# *MAJOR SUBDIVISION APPLICATION*

(a total of four or more lots)

**City of Rochester, New Hampshire**

RECEIVED
JUL 09 2019
By

Date: July 8, 2019 Is a conditional needed? Yes:____ No: X Unclear:____
(If so, we encourage you to submit an application as soon as possible.)

## Property information

Tax map #: 256; Lot #('s): 54-1; Zoning district: Agricultural

Property address/location: 418 Old Dover Road, Rochester NH

Name of project (if applicable): Addison Estates Phase II

Size of site: 24.50 acres; Overlay zoning district(s)? _____

## Property owner

Name (include name of individual): Donald & Bonnie Toy

Mailing address: 15 Nashoba Drive, Rochester NH 03867

Telephone #: 603-335-2276 Email: Harleysdadtoy@aol.com

## Applicant/developer (if different from property owner)

Name (include name of individual): Same

Mailing address: _____

Telephone #: _____ Email: _____

## Engineer/surveyor

Name (include name of individual): Christopher R. Berry, Kenneth Berry (PE, LLS), Berry Surveying & Engineering

Mailing address: 335 Second Crown Point Road

Telephone #: 603-332-2863 Fax #: _____

Email address: k.berry@berrysurveing.com, crberry@metrocast.net Professional license #: 14243

## Proposed project

Number of proposed lots: 14; estimated length of new roads: 1,300 Ft.

Number of cubic yard of earth being removed from the site? Fill Only

City water? yes X no ___; How far is city water from the site? On site, Lot 53

City sewer? yes ___ no X; How far is city sewer from the site? Proposed septic systems (sewer is over a mile away)

If city water, what are the est. total gal. per day? 4,200; Are there pertinent covenants? No

Where will stormwater be discharged? Proposed rain gardens

Wetlands: Is any fill proposed? N/A ; area to be filled: N/A ; buffer impact? N/A

## Comments

Please feel free to add any comments, additional information, or requests for waivers here:

Applicant is proposing to construct Phase II of Addison Estates. This will include the construction if a 1,300 foot roadway (1,000 LF to the neck), as well as merging Lots 53 & 54-1 so that all of Addison Estates is on one lot.

## Submission of application

This application must be signed by the property owner, applicant/developer (if different from property owner), *and/or* the agent.

*I(we) hereby submit this Subdivision application to the City of Rochester Planning Board pursuant to the City of Rochester Subdivision Regulations and attest that to the best of my knowledge all of the information on this application form and in the accompanying application materials and documentation is true and accurate. As applicant/developer (if different from property owner)/as agent, I attest that I am duly authorized to act in this capacity.*

Signature of property owner: _____

Date: 7/8/2019

Signature of applicant/developer: _____

Date: 7/8/2019

Signature of agent: _____

Date: 7/8/2019

## Authorization to enter subject property

*I hereby authorize members of the Rochester Planning Board, Zoning Board of Adjustment, Conservation Commission, Planning Department, and other pertinent City departments, boards and agencies to enter my property for the purpose of evaluating this application including performing any appropriate inspections during the application phase, review phase, post-approval phase, construction phase, and occupancy phase. This authorization applies specifically to those particular individuals legitimately involved in evaluating, reviewing, or inspecting this specific application/project. It is understood that these individuals must use all reasonable care, courtesy, and diligence when entering the property.*

Signature of property owner: _____

Date: 7/8/2019

**BERRY SURVEYING & ENGINEERING**
335 Second Crown Point Road
Barrington, NH 03825
Phone: (603) 332-2863
Fax: (603) 335-4623
www.BerrySurveying.Com

July 8, 2019

City of Rochester Planning Department
Attention Chief Planner Seth Creighton
33 Wakefield Street
Rochester, NH 03867

RE: Mobile Home Subdivision "Project Narrative"
Donald & Bonnie Toy
Addison Estates Phase II
418 Old Dover Road, Rochester, NH 03867

Seth,

On behalf of Donald & Bonnie Toy, Berry Surveying & Engineering (BS&E) is filing a subdivision application for Tax Map 256, Lot 54-1.

**Background**

Donald & Bonnie Toy own the parcel known as Tax Map 256, Lot 54-1. Berry Surveying and Engineering has been on site and has conducted a full topographic analysis. A wetlands analysis has also been conducted by Stoney Ridge Environmental. All onsite wetlands have been flagged. The front of the site is open and gradually slopes downhill towards the rear of the site, where it is fully wooded. In 2016 a variance was granted to allow this project to move forward using chapter 43 of the Rochester Zoning Ordnance.

**Proposal**

The proposal is to subdivide Lot 54-1 into 14 mobile home lots. This mobile home subdivision will become part of Addison Estates. As part of the subdivision, a road will be constructed off Alexandra Lane, known as Loren Way. This proposed roadway will provide access to the new subdivision. The proposed roadway will 22' wide, with 25' wide cul-de-sac lane, in order to provide emergency vehicles with ample room to access the site.

The proposed subdivision will be serviced by City Water and onsite septic systems. There is an existing water main in Alexandra Lane which will service the

proposed subdivision, which is provided by Somersworth. The lots will be serviced by individual septic systems. The houses are proposed to be 2 bedroom and age restricted to 55 years or older. The lots will be leased.

A full drainage analysis was done as part of this design and is included in the submission. The site will utilize mostly open drainage, featuring roadside swales and driveway culverts. These swales and culverts will divert the generated runoff to 4 proposed rain gardens. These rain gardens will serve to capture, treat and in some cases re-infiltrate the generated runoff using layers of stone and a bio-media mix.

All proper erosion and sediment control measures will be taken throughout the construction process to ensure that no sediment runs off into the onsite wetlands or abutting properties. A construction entrance will be installed prior to any earth disturbing activities, to prevent sediment tracking onto Alexandra Lane. Perimeter control will be used at the edge of disturbance and along the rain gardens to contain sediment and prevent it from going beyond the limits of construction.

As part of the subdivision application, the applicant is also proposing a lot merger to merge Lots 53 & 54-1. Doing this will allow for all of Addison Estates to be on one lot. In addition, the applicant is also filing for a NHDOT permit and an NHDES Subdivision application, among others. All approved permits will be provided to the City when acquired.

Respectfully Submitted,
BERRY SURVEYING & ENGINEERING

James F. Hayden
Engineering Technician

Christopher Berry
Principal President

BERRY SURVEYING & ENGINEERING

**BERRY SURVEYING & ENGINEERING**
335 Second Crown Pt. Rd., Barrington, NH 03825
(603) 332-2863 / (603) 335-4623 FAX
www.BerrySurveying.Com

regulations

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# LOT MERGER & MOBILE HOME SUBDIVISION PLAN FOR DONALD & BONNIE TOY 418 OLD DOVER ROAD ROCHESTER, N.H. TAX MAP 256, LOT 53 & 54–1 ADDISON ESTATES PHASE II


OWNER: DONALD & BONNIE TOY
15 NASHOBA DRIVE
ROCHESTER, NH 03867

DEVELOPER: DONALD & BONNIE TOY
15 NASHOBA DRIVE
ROCHESTER, NH 03867

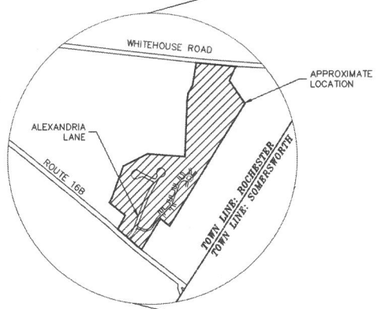
SURVEYOR OF RECORD: KENNETH A. BERRY, PE, LLS
CPESC, CESSWI, CPSWQ
BERRY SURVEYING & ENGINEERING
335 CROWN POINT ROAD
BARRINGTON, NH 03825
(603) 332–2863

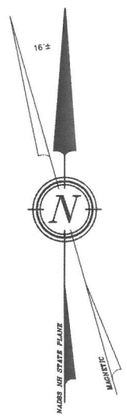
ENGINEER OF RECORD: KENNETH A. BERRY, PE, LLS
CPESC, CESSWI, CPSWQ
BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825
(603) 332–2863

WETLAND SCIENTIST: STONEY RIDGE ENVIRONMENTAL
CYNTHIA M. BALCIUS, CSS, CWS, CPESC
229 PROSPECT MOUNTAIN ROAD
ALTON, NH 03809
603–776–5825


*VICINITY SKETCH*
ROCHESTER, N.H.
SCALE: 1" = 300'±


LOCATION PLAN
ROCHESTER, NH
NOT TO SCALE




*REQUIRED PERMITS:*

1.) NHDES SUBDIVISION APPROVAL: (PENDING)

2.) EPA NOTICE OF INTENT / SWPPP: (PENDING)

2.) NATURAL HERITAGE BUREAU: (PENDING)

4.) DIVISION OF HISTORICAL RECOURSES: (PENDING)

5.) NHDOT DRIVEWAY PERMIT

*FINAL APPROVAL*
BY
*ROCHESTER PLANNING BOARD*
CERTIFIED BY : _____
DATE : _____

*GENERAL PLAN SET NOTES:*

1.) 11x17" PLANS ARE HALF THE PUBLISHED SCALE.

2.) ALL PLANS ARE CONSIDERED TO BE NOT FOR CONSTRUCTION UNLESS THEY CONTAIN THE APPROVAL STAMP OF THE CITY OF ROCHESTER.

NOTE:

BERRY SURVEYING & ENGINEERING HAS PREPARED AN INSPECTION & MAINTENANCE MANUAL AS PART OF THIS PROJECTS DOCUMENTATION. ALL USERS ARE BOUND TO THIS DOCUMENT AS PART OF THE APPROVAL OF THE PLANNING BOARD. COPIES OF THE YEARLY INSPECTIONS ARE TO BE DELIVERED TO THE CEO AS DIRECTED IN THE MANUAL.

STATE OF NEW HAMPSHIRE LICENSED LAND SURVEYOR
No. 805
KENNETH A. BERRY
SIGNATURE

| REVISION | DATE | DESCRIPTION |
|---|---|---|
| | | |

MOBILE HOME SUBDIVISION PLAN
FOR
DONALD TOY
418 OLD DOVER ROAD
ROCHESTER, N.H.
*TAX MAP 256, LOT 53 & 54–1*


BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (332–2863)


SCALE: 1 INCH EQUALS AS NOTED
DATE : JUNE 11, 2019
FILE NO. : DB 2015 – 151

STATE OF NEW HAMPSHIRE
KENNETH A. BERRY
No. 14143
LICENSED PROFESSIONAL ENGINEER

***ABBREVIATION LEGEND:***

| | |
|---|---|
| E.O.P. | EDGE OF PAVEMENT |
| B.C.C. | BITUMINOUS CONCRETE CURB |
| BITUM. | BITUMINOUS |
| E.O.P. | EDGE OF PAVEMENT |
| TYP. | TYPICAL |
| T. BLOCK | THRUST BLOCK |
| CONC. | CONCRETE |
| U.G.E. | UNDER GROUND ELECTRIC / UTILITY |
| U.D. | UNDER DRAIN |
| F.E.S. | FLARED END SECTION |
| HDPE | HIGH DENSITY POLYETHYLENE |
| F.F | FINISHED FLOOR |
| L.F. | LINEAR FOOT |
| FND | FOUND |
| P.L. | PROPERTY LINE |
| T.B.M. | TEMPORARY BENCHMARK |
| RCP | REINFORCED CONCRETE PIPE |
| F.G. | FINISHED GRADE |
| E.G. | EXISTING GRADE |
| T.W. | TRAVELED WAY |

***EXISTING LEGEND:***

- GRANITE BOUND ~FND~
- IRON BOUND ~FND~
- IRON PIPE / REBAR ~FND~
- RAILROAD SPIKE ~FND~
- UTILITY POLE / GUY WIRE
- SINGLE POST SIGN
- CURB STOP
- GATE VALVE
- GAS VALVE
- FIRE HYDRANT
- CATCH BASIN
- SEWER MANHOLE
- DRAIN MANHOLE
- TREE
- 113.83 EXISTING SPOT ELEVATION
- BUILDING SETBACK LINE
- EXISTING GAS LINE
- EXISTING WATER LINE
- EXISTING SEWER LINE
- EXISTING DRAIN LINE
- OVERHEAD UTILITIES
- EXISTING CONTOUR MINOR
- EXISTING CONTOUR MAJOR

***PROPOSED LEGEND:***

- TEMPORARY BENCHMARK
- TEST PIT/BORING
- CURB STOP
- GATE VALVE
- GAS VALVE
- CATCH BASIN
- DRAIN MANHOLE
- E101 / E6 SHEET DETAIL
- THRUST BLOCK
- PROPOSED LAMP
- P114.06 PROPOSED SPOT ELEVATION
- PROPOSED GAS LINE
- PROPOSED WATER LINE
- PROPOSED SEWER LINE
- PROPOSED DRAIN LINE
- PROPOSED UNDERDRAIN
- PROPOSED CONTOUR MINOR
- PROPOSED CONTOUR MAJOR
- PROPOSED UNDERGROUND UTILITY
- FILTREXX SILT SOXX (8" or 12" AS NOTED)
- ORANGE CONSTRUCTION PERIMETER FENCE

{ } SSL ( ) ~ {SIZE} SINGLE SOLID LINE (COLOR W=WHITE, Y=YELLOW)
{ } DSL ( ) ~ {SIZE} DOUBLE SOLID LINE (COLOR W=WHITE, Y=YELLOW)
{ } SSB ( ) ~ {SIZE} SINGLE SOLID W/ BROKEN LINE (COLOR W=WHITE, Y=YELLOW)
{ } SBL ( ) ~ {SIZE} SINGLE BROKEN LINE (COLOR W=WHITE, Y=YELLOW)
{ } DBL ( ) ~ {SIZE} DOUBLE BROKEN LINE (COLOR W=WHITE, Y=YELLOW)

***TEST PIT DATA:***

TEST PIT #1
0-10 2.5Y 3/3 FINE SANDY LOAM, GRANULAR, FRIABLE
10-28" 10YR 4/4, FINE SANDY LOAM, GRANULAR, FRIABLE
28-72" 2.5Y 5/3, FINE SANDY LOAM, GRANULAR, FRIABLE
REDOX: 10YR 5/8, COMMON & DISTINCT MOTTLES
TERMINATED @ 72
E.S.H.W.T @ 28
RESTRICTIVE LAYER: N/A
REFUSAL > 72"
GROUND WATER OBSERVED @ SURFACE
ROOTS TO 25

TEST PIT #2
0-12 10YR 3/3, FINE SANDY LOAM, GRANULAR, FRIABLE
12-22 10YR 4/4, FINE SANDY LOAM, GRANULAR, FRIABLE
22-57" 2.5Y 5/3, VERY FINE SANDY LOAM, GRANULAR, FRIABLE
REDOX: 10YR 5/8, COMMON & DISTINCT MOTTLES
57" LEDGE
TERMINATED @ 57
E.S.H.W.T @ 22
RESTRICTIVE LAYER: N/A
REFUSAL @ 57"
GROUND WATER OBSERVED @ 37"
ROOTS: N/A

TEST PIT #3
0-9 10YR 3/2, LOAM, GRANULAR, FRIABLE
9-20 10YR 4/6, FINE SANDY LOAM, GRANULAR, FRIABLE
20-26" 2.5Y 4/4, FINE SANDY LOAM, GRANULAR, FRIABLE
26" LEDGE
TERMINATED @ 28
E.S.H.W.T: N/A
RESTRICTIVE LAYER: N/A
REFUSAL @ 26"
GROUND WATER OBSERVED: N/A
ROOTS TO 24

TEST PIT #4
0-6 10YR 3/3 FINE SANDY LOAM, GRANULAR, FRIABLE
6-12 10YR 4/6 FINE SANDY LOAM, GRANULAR, FRIABLE
12-21" 2.5Y 5/6, FINE SANDY LOAM, GRANULAR, FRIABLE
27-56" 5Y 5/4, LOAMY FINE SAND, WEAK GRANULAR, VERY FRIABLE
REDOX: 10YR 5/8, COMMON & DISTINCT MOTTLES
56" LEDGE
TERMINATED @ 56
E.S.H.W.T @ 27
RESTRICTIVE LAYER: N/A
REFUSAL @ 56"
GROUND WATER OBSERVED: N/A
ROOTS TO 25

TEST PIT #5
0-31" 10YR 5/6, FINE SANDY LOAM, GRANULAR, FRIABLE
31-57" 2.5Y 5/3, FINE SAND LOAM, GRANULAR, FRIABLE
REDOX: 10YR 5/8, COMMON & DISTINCT MOTTLES
TERMINATED @ 53
E.S.H.W.T @ 31
RESTRICTIVE LAYER: N/AREFUSAL: > 72"
GROUND WATER OBSERVED: N/A
ROOTS TO 21

TEST PIT #6
0-26 10YR 5/6, FINE SANDY LOAM, GRANULAR, FRIABLE
26" LEDGE
TERMINATED @ 26"
E.S.H.W.T: N/A
RESTRICTIVE LAYER @ 26"
REFUSAL @ 26"
GROUND WATER OBSERVED: N/A
ROOTS TO 24"

TEST PIT #7
0-15 10YR 5/6, FINE SANDY LOAM, GRANULAR, FRIABLE
15" LEDGE
TERMINATED @ 15"
E.S.H.W.T: N/A
RESTRICTIVE LAYER @ 15"
REFUSAL @ 15"
GROUND WATER OBSERVED: N/A
ROOTS: N/A

TEST PIT #8
0-29 10YR 5/6, FINE SANDY LOAM, GRANULAR, FRIABLE
29" LEDGE
TERMINATED @ 29"
E.S.H.W.T: N/A
RESTRICTIVE LAYER @ 29"
REFUSAL @ 29"
GROUND WATER OBSERVED: N/A
ROOTS TO 20"

TEST PIT #9
0-5" 10YR 3/4, FINE SANDY LOAM, GRANULAR, FRIABLE
5-26" 10YR 5/6, FINE SANDY LOAM, GRANULAR, FRIABLE
26-33" 10YR 4/6, FINE SANDY LOAM, GRANULAR, FRIABLE
33-55" 2.5Y 5/3, SAND, SINGLE GRAIN, LOSE
REDOX: 10YR 5/8 COMMON & DISTINCT MOTTLES
55" LEDGE
TERMINATED @ 55"
E.S.H.W.T @ 33"
RESTRICTIVE LAYER: LEDGE @ 55"
REFUSAL @ 55"
GROUND WATER OBSERVED: N/A
ROOTS TO 22"

TEST PIT #10
0-6" 10YR 3/3, FINE SANDY LOAM, GRANULAR, FRIABLE
6-30" 10YR 5/8, LOAMY SAND, GRANULAR, FRIABLE
30-55" 2.5Y 5/6, GRAVELY COARSE SAND W/12% COBBLES, SINGLE GRAIN, LOSE
55" LEDGE
TERMINATED @ 55"
E.S.H.W.T @ 55"
RESTRICTIVE LAYER: LEDGE @ 55"
REFUSAL @ 55"
GROUND WATER OBSERVED @ 55"
ROOTS TO 24"

***TEST PIT DATA CONT'D:***

TEST PIT #11
50" LEDGE - LARGE BOULDERS ON BROKEN LEDGE
TERMINATED @ 50"
E.S.H.W.T @ 36"
RESTRICTIVE LAYER @ 50"
REFUSAL @ 50"
GROUND WATER OBSERVED: N/A
ROOTS TO 24"

TEST PIT #12
0-7" 10YR 3/3, FINE SANDY LOAM, GRANULAR, FRIABLE
7-34" 10YR 5/8, LOAMY SAND, WEAK GRANULAR, VERY FRIABLE
34-42" 2.5Y 5/6, GRAVELY COARSE SAND, SINGLE GRAIN, LOSE
REDOX: 10YR 5/8 COMMON & DISTINCT MOTTLES
TERMINATED @ 42"
E.S.H.W.T @ 34"
RESTRICTIVE LAYER @ 42"
REFUSAL @ 42"
GROUND WATER OBSERVED: N/A
ROOTS TO 22"

TEST PIT #13
0-5" 10YR 3/3, FINE SANDY LOAM, GRANULAR, FRIABLE
5-22" 10YR 4/6 FINE SANDY LOAM, GRANULAR, FRIABLE
22-36" 2.5Y 5/6, LOAMY SAND, WEAK GRANULAR, VERY FRIABLE
36-56" 2.5Y 5/4, LOAMY SAND, WEAK GRANULAR, VERY FRIABLE
REDOX: 10YR 5/8 COMMON & DISTINCT MOTTLES
56" LEDGE
TERMINATED @ 56"
E.S.H.W.T @ 36"
RESTRICTIVE LAYER @ 56"
REFUSAL @ 56"
GROUND WATER OBSERVED: N/A
ROOTS TO 24"

TEST PIT #14
0-8" 10YR 4/6 FINE SANDY LOAM, GRANULAR, FRIABLE
8-14" 10YR 5/6 FINE SANDY LOAM, GRANULAR, FRIABLE
14-21" 10YR 5/8, LOAMY SAND, WEAK GRANULAR, VERY FRIABLE
21-72" 2.5Y 5/4, LOAMY SAND, WEAK GRANULAR, VERY FRIABLE
REDOX: 10YR 5/8 COMMON & DISTINCT MOTTLES
72" LEDGE
TERMINATED @ 72"
E.S.H.W.T @ 21"
RESTRICTIVE LAYER @ 72"
REFUSAL @ 72"
GROUND WATER OBSERVED: N/A
ROOTS TO 19"

TEST PIT #15
0-18" 10YR 4/6 FINE SANDY LOAM, GRANULAR, FRIABLE
18-31" 10YR 5/6, GRAVELY COARSE SAND, WEAK GRANULAR, VERY FRIABLE
REDOX: 7.5YR 5/8 COMMON & DISTINCT MOTTLES
31-36" 5Y 5/2, COARSE SAND, SINGLE GRAIN, LOSE
REDOX: 10YR 5/8 COMMON & DISTINCT MOTTLES
36" LEDGE
TERMINATED @ 36"
E.S.H.W.T @ 18"
RESTRICTIVE LAYER @ 36"
REFUSAL @ 36"
GROUND WATER OBSERVED @ 31"
ROOTS TO 12"

TEST PIT #16
0-7" 10YR 5/8 SANDY LOAM, GRANULAR, FRIABLE
7-18" 10YR 4/6, GRAVELY COARSE SAND, SINGLE GRAIN, LOSE
18-36" 2.5Y 5/3, LOAMY SAND, WEAK GRANULAR, VERY FRIABLE
REDOX: 10YR 5/8 COMMON & DISTINCT MOTTLES
36-72" 5Y 5/2, FINE SAND, MASSIVE, FIRM
72" LEDGE
TERMINATED @ 72"
E.S.H.W.T @ 36"
RESTRICTIVE LAYER @ 72"
REFUSAL @ 72"
GROUND WATER OBSERVED: N/A
ROOTS TO 12"

TEST PIT #17
0-7" 10YR 3/3 FINE SANDY LOAM, GRANULAR, FRIABLE
7-25" 10YR 3/6, FINE SANDY LOAM, GRANULAR, FRIABLE
25-31" 2.5Y 5/6, LOAMY SAND, WEAK GRANULAR, VERY FRIABLE
31-45" 2.5Y 5/2, LOAMY SAND, WEAK GRANULAR, VERY FRIABLE
REDOX: 10YR 5/8 COMMON & DISTINCT MOTTLES
45" LEDGE
TERMINATED @ 45"
E.S.H.W.T @ 31"
RESTRICTIVE LAYER: N/A
REFUSAL @ 45"
GROUND WATER OBSERVED: N/A
ROOTS TO 24"

TEST PIT #18
0-8" 10YR 3/3 FINE SANDY LOAM, GRANULAR, FRIABLE
8-20" 10YR 4/6, FINE SANDY LOAM, GRANULAR, FRIABLE
20-29" 10YR 5/6, LOAMY SAND, WEAK GRANULAR, FRIABLE
29-60" 2.5Y 6/2, FINE SAND, MASSIVE, FIRM
REDOX: 2.5Y 5/6 COMMON & DISTINCT MOTTLES
TERMINATED @ 60"
E.S.H.W.T @ 29"
RESTRICTIVE LAYER > 60"
REFUSAL > 60"
GROUND WATER OBSERVED: N/A
ROOTS TO 14"

TEST PIT #100
0-4" 10YR 2/2 FINE SANDY LOAM, GRANULAR, FRIABLE
4-28" 10YR 5/8, FINE SANDY LOAM, GRANULAR, FRIABLE
28-52" 2.5Y 6/4, FINE LOAMY SAND, GRANULAR, FRIABLE
TERMINATED @ 53"
E.S.H.W.T: N/A
RESTRICTIVE LAYER @ 53"
REFUSAL @ 53"
GROUND WATER OBSERVED: N/A
ROOTS TO 24"

***TEST PIT DATA CONT'D:***

TEST PIT #101
0-4" 10YR 2/2 FINE SANDY LOAM, GRANULAR, FRIABLE
4-31" 10YR 5/8, FINE SANDY LOAM, GRANULAR, FRIABLE
31-45" 2.5Y 5/8, FINE LOAMY SAND, GRANULAR, FRIABLE
TERMINATED @ 45"
E.S.H.W.T. @ 31"
RESTRICTIVE LAYER @ 45"
REFUSAL @ 45"
GROUND WATER OBSERVED: N/A
ROOTS TO 28"

TEST PIT #102
0-4" 10YR 2/2 FINE SANDY LOAM, GRANULAR, FRIABLE
4-18" 10YR 5/6, FINE SANDY LOAM, GRANULAR, FRIABLE
18-32" 2.5Y 6/4, FINE LOAMY SAND, GRANULAR, FRIABLE
TERMINATED @ 32"
E.S.H.W.T: N/A
RESTRICTIVE LAYER @ 32"
REFUSAL @ 32"
GROUND WATER OBSERVED: N/A
ROOTS TO 30"

TEST PIT #103
0-4" 10YR 3/2 FINE SANDY LOAM, GRANULAR, FRIABLE
4-20" 10YR 5/6, FINE SANDY LOAM, GRANULAR, FRIABLE
20-30" 2.5Y 6/4, FINE LOAMY SAND, GRANULAR, FRIABLE
TERMINATED @ 30"
E.S.H.W.T: N/A
RESTRICTIVE LAYER @ 30"
REFUSAL @ 30"
GROUND WATER OBSERVED: N/A
ROOTS TO 28"

TEST PIT #104
0-4" 10YR 3/2 FINE SANDY LOAM, GRANULAR, FRIABLE
4-22" 10YR 5/6, FINE SANDY LOAM, GRANULAR, FRIABLE
22-41" 2.5Y 6/6, FINE LOAMY SAND, GRANULAR, FRIABLE
TERMINATED @ 41"
E.S.H.W.T: N/A
RESTRICTIVE LAYER @ 41"
REFUSAL @ 41"
GROUND WATER OBSERVED: N/A
ROOTS TO 22"

TEST PIT #105
0-6" 10YR 2/2 FINE SANDY LOAM, GRANULAR, FRIABLE
6-22" 10YR 5/6, FINE SANDY LOAM, GRANULAR, FRIABLE
22-37" 2.5Y 5/8, FINE SAND, GRANULAR, FRIABLE
37-50" 2.5Y 6/4, FINE SAND, GRANULAR, FRIABLE
TERMINATED @ 50"
E.S.H.W.T: N/A
RESTRICTIVE LAYER @ 50"
REFUSAL @ 50"
GROUND WATER OBSERVED: N/A
ROOTS TO 30"

TEST PIT #106
0-5" 10YR 2/2 FINE SANDY LOAM, GRANULAR, FRIABLE
5-28" 10YR 5/8, FINE LOAMY SAND, GRANULAR, FRIABLE
28-41" 2.5Y 5/8, FINE LOAMY SAND, GRANULAR, FRIABLE
41-48" 2.5Y 6/2, FINE SANDY LOAM, GRANULAR, FRIABLE
TERMINATED @ 48"
E.S.H.W.T: @ 41"
RESTRICTIVE LAYER @ 48"
REFUSAL @ 48"
GROUND WATER OBSERVED: N/A
ROOTS TO 38"

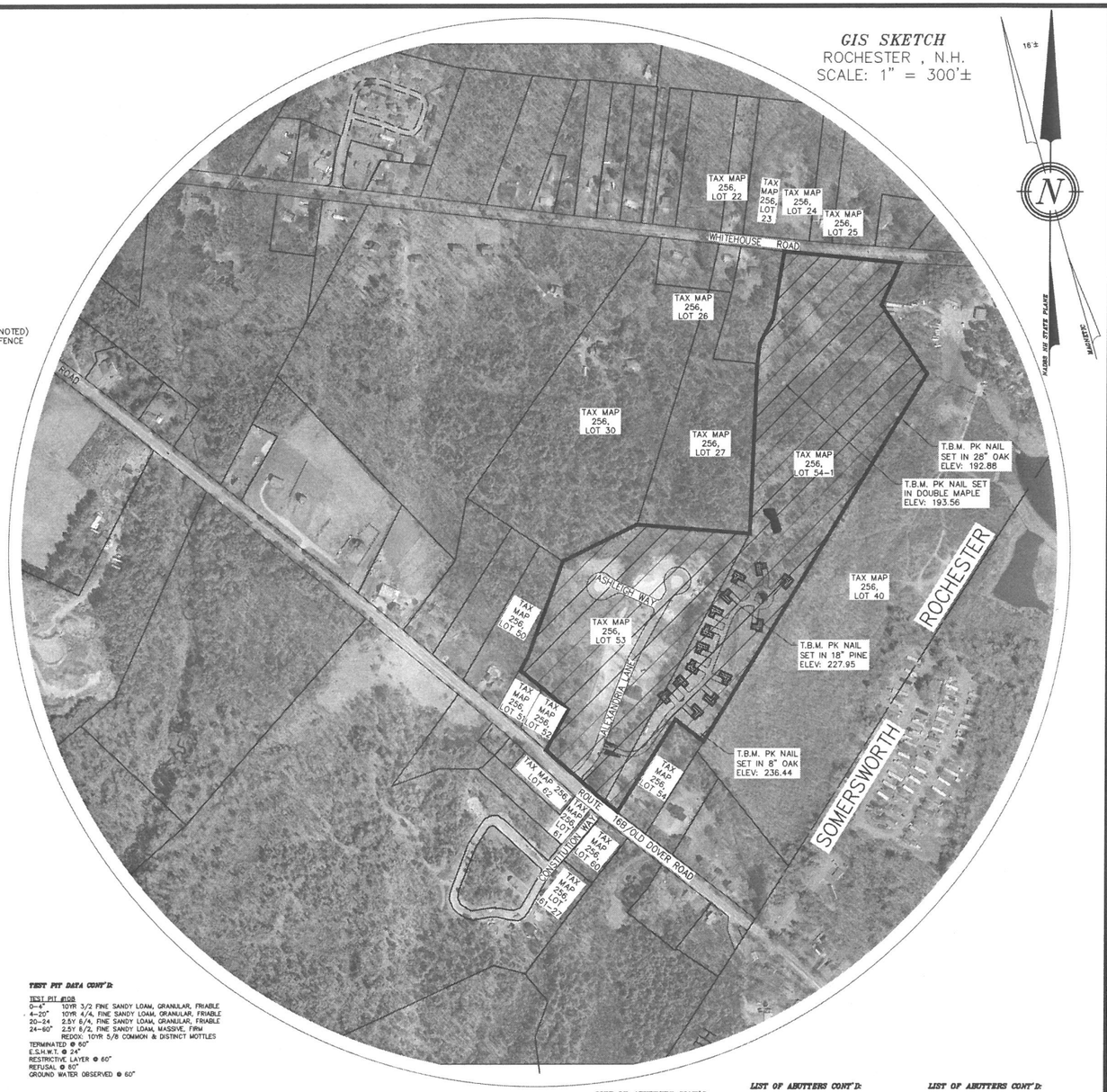
TEST PIT #107
0-5" 10YR 3/2 FINE SANDY LOAM, GRANULAR, FRIABLE
5-18" 10YR 5/8, FINE SANDY LOAM, GRANULAR, FRIABLE
18-31" 2.5Y 5/8, FINE LOAMY SAND, GRANULAR, FRIABLE
31-40" 2.5Y 6/4, FINE SAND, GRANULAR, FRIABLE
40-54" 7.5YR 5/8, FINE SAND & GRAVEL
TERMINATED @ 54"
E.S.H.W.T: @ 40"
RESTRICTIVE LAYER @ 54"
REFUSAL @ 54"
GROUND WATER OBSERVED @ 40"
ROOTS TO 36"

***TEST PIT DATA CONT'D:***

TEST PIT #108
0-4" 10YR 3/2 FINE SANDY LOAM, GRANULAR, FRIABLE
4-20" 10YR 4/4, FINE SANDY LOAM, GRANULAR, FRIABLE
20-24 2.5Y 6/4, FINE SANDY LOAM, GRANULAR, FRIABLE
24-60" 2.5Y 8/2, FINE SANDY LOAM, MASSIVE, FIRM
REDOX: 10YR 5/8 COMMON & DISTINCT MOTTLES
TERMINATED @ 60"
E.S.H.W.T. @ 24"
RESTRICTIVE LAYER @ 60"
REFUSAL @ 60"
GROUND WATER OBSERVED @ 60"

| SIGN ID NUMBER | SIGN SIZE (WIDTH x HEIGHT) | SIGN | TEXT DIMENSIONS | NO. OF SIGNS | BACKGROUND | LEGEND | BORDER | POST SIZE & QUANTITY |
|---|---|---|---|---|---|---|---|---|
| R1-1 | 30"x30" | STOP | SEE STANDARD HIGHWAY SIGNS 2004 EDITION PUBLISHED BY USDOT – FHWA | 1 | RED | WHITE | WHITE | SQUARE (1) |
| R2-1 | 24"x30" | SPEED LIMIT 25 | SEE STANDARD HIGHWAY SIGNS 2004 EDITION PUBLISHED BY USDOT – FHWA | 1 | WHITE | GREEN | GREEN | SQUARE (1) |
| R6-1R | 36"x12" | ONE WAY | SEE STANDARD HIGHWAY SIGNS 2004 EDITION PUBLISHED BY USDOT – FHWA | 1 | BLACK W/ WHITE ARROW | BLACK | WHITE | SQUARE (1) |
| W14-2 | 30"x30" | NO OUTLET | SEE STANDARD HIGHWAY SIGNS 2004 EDITION PUBLISHED BY USDOT – FHWA | 1 | YELLOW | BLACK | BLACK | SQUARE (1) |

## *GIS SKETCH*
ROCHESTER , N.H.
SCALE: 1" = 300'±




***LIST OF ABUTTERS:***

N/F KENYON, BRADFORD D. & ROWENA A.
88 WHITEHOUSE ROAD
ROCHESTER, NH 03867
*TAX MAP 256, LOT 22*
S.C.R.D. BOOK 3307, PAGE 200

N/F WEBB, CAROL A.
90 WHITEHOUSE ROAD
ROCHESTER, NH 03867
*TAX MAP 256, LOT 23*
S.C.R.D. BOOK 3596, PAGE 939

N/F ROSE THERIAULT 2009 REVOCABLE TRUST
THERIAULT, ROSE SIELIAN TRUSTEE
94 WHITEHOUSE ROAD
ROCHESTER, NH 03867
*TAX MAP 256, LOT 24*
S.C.R.D. BOOK 3791, PAGE 207

N/F PONTOH, JOHANNES J. & SANDRA KELLY
98 WHITEHOUSE ROAD
ROCHESTER, NH 03867
*TAX MAP 256, LOT 25*
S.C.R.D. BOOK 3257, PAGE 116

***LIST OF ABUTTERS CONT'D:***

N/F LAZZARO, ANTHONY L. & CAROLYN M.
81 WHITEHOUSE ROAD
ROCHESTER, NH 03867
*TAX MAP 256, LOT 26*
S.C.R.D. BOOK 871, PAGE 494

N/F LAZZARO, ANTHONY & CAROLYN
81 WHITEHOUSE ROAD
ROCHESTER, NH 03867
*TAX MAP 256, LOT 27*
S.C.R.D. BOOK 1032, PAGE 696

N/F POWERS, LANCE
71 WHITEHOUSE ROAD
ROCHESTER, NH 03867
*TAX MAP 256, LOT 30*
S.C.R.D. BOOK 2158, PAGE 414

N/F WEEDEN, JOHN W. & DEBRA J.
365 SIXTH STREET
DOVER, NH 03820
*TAX MAP 256, LOT 40*

N/F NORRIS, JOHN & CHRISTINE
404 OLD DOVER ROAD
ROCHESTER, NH 03867
*TAX MAP 256, LOT 50*
S.C.R.D. BOOK 1034, PAGE 701

***LIST OF ABUTTERS CONT'D:***

N/F TOY, DONALD & BONNIE J.
15 NASHOBA DRIVE
ROCHESTER, NH 03867
*TAX MAP 256, LOT 51*
S.C.R.D. BOOK 4310, PAGE 741

N/F TOY, DONALD & BONNIE J.
15 NASHOBA DRIVE
ROCHESTER, NH 03867
*TAX MAP 256, LOT 52*
S.C.R.D. BOOK 4343, PAGE 167

N/F PHILBROOK, MICHAEL G. & STACEY A.
424 OLD DOVER ROAD
ROCHESTER, NH 03867
*TAX MAP 256, LOT 54*
S.C.R.D. BOOK 4331, PAGE 814

N/F SEVERANCE, DARLENE L .
421 OLD DOVER ROAD
ROCHESTER, NH 03867
*TAX MAP 256, LOT 60*
S.C.R.D. BOOK/PAGE: 319-2015-ET-471

N/F LITTLE QUARY, LLC
OPEN SPACE COMMON OWNERSHIP
1000 MARKET STREET, BLDG 1, SUITE 202
PORTSMOUTH, NH 03801
*TAX MAP 256, LOT 61*
S.C.R.D. BOOK 3167, PAGE 524

***LIST OF ABUTTERS CONT'D:***

N/F HOWARD CARINA L. & JOHNSON JEANETTE M. & ROBERT K. SR.
415 OLD DOVER ROAD
ROCHESTER, NH 03867
*TAX MAP 256, LOT 62*
S.C.R.D. BOOK 4187, PAGE 812

STATE OF NEW HAMPSHIRE — LICENSED LAND SURVEYOR — No. 805 — KENNETH A. BERRY — SIGNATURE

| REVISION | DATE | DESCRIPTION |
|---|---|---|
| | | |
| | | |
| | | |

MOBILE HOME SUBDIVISION PLAN
FOR
DONALD TOY
418 OLD DOVER ROAD
ROCHESTER, N.H.
*TAX MAP 256, LOT 53 & 54-1*

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (332-2863)

SCALE: 1 INCH EQUALS AS NOTED
DATE : JUNE 11, 2019
FILE NO. : DB 2015 - 151

STATE OF NEW HAMPSHIRE — KENNETH A. BERRY No. 10243 LICENSED PROFESSIONAL ENGINEER

SHEET 1 OF 35

**NOTES:**

1.) OWNER: DONALD & BONNIE TOY
15 NASHOBA DRIVE
ROCHESTER, NH 03867-5145

2.) TAX MAP 256, LOT 54-1

3.) LOT AREA: 1,067,116 Sq. Ft., 24.49 Ac.

4.) S.C.R.D. BOOK 4317, PAGE 640

5.) ZONING: AGRICULTURAL DISTRICT W/MUNICIPAL WATER
FRONTAGE ~ 150.0'
MINIMUM LOT SIZE ~ 30,000 Sq. Ft.
FRONT SETBACK ~ 20.0'
REAR SETBACK ~ 20.0'
SIDE SETBACK ~ 10.0'
WETLANDS BUFFER ~ 50.0'

6.) I HEREBY CERTIFY THAT, TO THE BEST OF MY KNOWLEDGE & BELIEF, THIS PARCEL DOES NOT FALL WITHIN THE FLOOD PLAIN FLOOD HAZARD REF.: FEMA COMMUNITY# -330150, MAP# - 33017C0218E, DATED: SEPTEMBER 30, 2015

7.) VERTICAL DATUM BASED ON NAVD88 ELEVATIONS. HORIZONTAL COORDINATES BASED ON NAD83. COORDINATES GATHERED USING TOPCON HIPER SR SURVEY GRADE GPS RECEIVERS.

8.) THE BOUNDARY LINES SHOWN ON THIS PLAN ARE THE RESULT OF A CLOSED TRAVERSE PERFORMED BY THIS OFFICE IN JANUARY OF 2016, WITH AN ERROR OF CLOSURE OF 1 PART IN 19,420.

9.) THE INTENT OF THIS PLAN IS TO SHOW THE EXISTING CONDITIONS ON TAX MAP 256, LOT 54-1 AS OF JANUARY 2016 WHEN THE FIELD WORK WAS COMPLETED.

**LEGEND:**

- DRILL HOLE (FND)
- IRON PIPE (FND)
- IRON BOUND (FND)
- "X" CHISELED IN LEDGE
- UTILITY POLE
- TEMPORARY BENCH MARK (T.B.M.)
- NRCS SOIL DELINEATION LINE
- STONE WALL
- WETLAND LINE
- 50' WETLAND BUFFER
- BUILDING SETBACK LINE
- OVERHEAD UTILITIES LINE
- S.C.R.D. STRAFFORD COUNTY REGISTRY OF DEEDS
- TYP. TYPICAL
- FND FOUND

**SOIL DATA:**

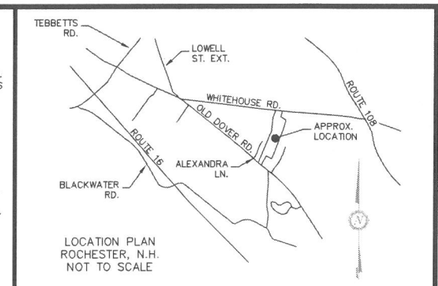
*CfB* ~ CHARLTON FINE SANDY LOAM, 3-8% SLOPES
*HoB* ~ HINCKLEY LOAMY SAND, 3 TO 8% SLOPES
*HcB* ~ HOLLIS-CHARLTON FINE SANDY LOAMS, 3-8% SLOPES
*Mp* ~ FREETOWN AND SWANSEA MUCKY PEATS, 0-2% SLOPES
*ScA* ~ SCANTIC SILT LOAM, 0-3% SLOPES
*SuB* ~ SUTTON FINE SANDY LOAM, 0-8% SLOPES, VERY STONY

SEE WEBSOIL

STONEY RIDGE ENVIRONMENTAL, LLC.
CYNTHIA BALCIUS, CWS #61

JURISDICTIONAL WETLANDS WERE DELINEATED BY CYNTHIA BALCIUS OF STONEY RIDGE ENVIRONMENTAL LLC IN DECEMBER OF 2015 UTILIZING THE FOLLOWING STANDARDS:

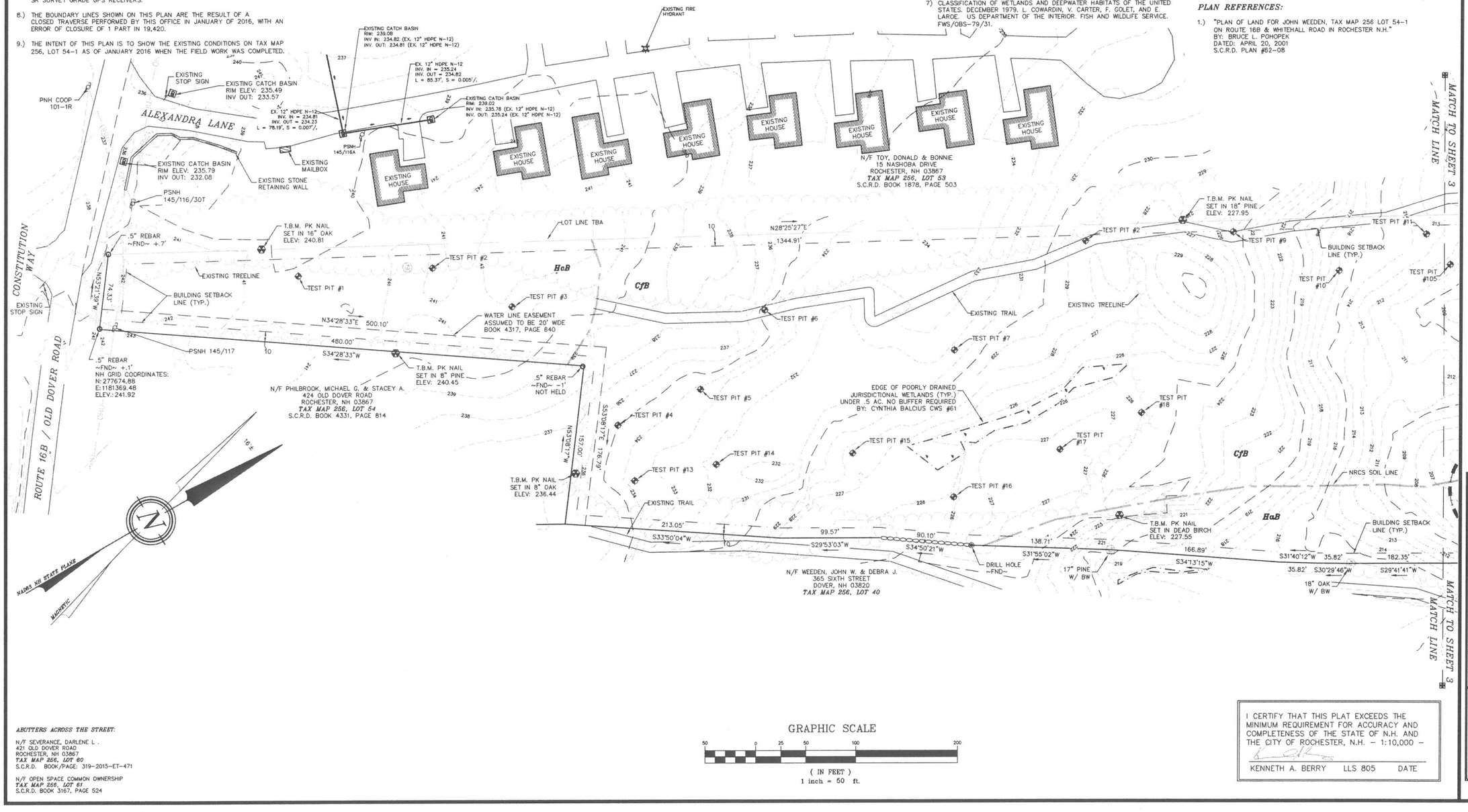
1) FIELD INDICATORS OF HYDRIC SOILS IN THE UNITED STATES, VERSION 7.0. 2010. L.M. VASILAS, G.W. HURT, AND C.V. NOBLE (EDS.). UNITED STATES DEPARTMENT OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE, IN COOPERATION WITH THE NATIONAL TECHNICAL COMMITTEE FOR HYDRIC SOILS.
2) FIELD INDICATORS FOR IDENTIFYING HYDRIC SOILS IN NEW ENGLAND. VERSION 3. APRIL 2004. NEIWPCC WETLANDS WORKGROUP. WILMINGTON, MA 01887.
3) NORTH AMERICAN DIGITAL FLORA: NATIONAL WETLAND PLANT LIST, VERSION 2.1.0 (HTTP://WETLAND_PLANTS.USACE.ARMY.MIL), U.S. ARMY CORPS OF ENGINEERS, ENGINEER RESEARCH AND DEVELOPMENT CENTER, COLD REGIONS RESEARCH AND ENGINEERING LABORATORY, HANOVER, NH, AND BONAP, CHAPEN HILL.
4) STATE OF NEW HAMPSHIRE 2014 WETLAND PLANT LIST. LICHVAR, R.W., M. BUTTERWICH, N.C. MELVIN, AND W.N. KIRCHNER. 2014. THE NATIONAL WETLAND PLANT LIST: 2014 UPDATE OF WETLAND RATINGS. PHYTONEURON 2014-41:1-42.
5) CORPS OF ENGINEERS WETLANDS DELINEATION MANUAL. JANUARY 1987. WETLANDS RESEARCH PROGRAM TECHNICAL REPORT Y-87-1.
6) REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: NORTHCENTRAL AND NORTHEAST REGION. JANUARY 2012, VERSION 2. U.S. ARMY CORPS OF ENGINEERS. ENVIRONMENTAL LABORATORY ERDC/EL TR-12-1.
7) CLASSIFICATION OF WETLANDS AND DEEPWATER HABITATS OF THE UNITED STATES. DECEMBER 1979. L. COWARDIN, V. CARTER, F. GOLET, AND E. LAROE. US DEPARTMENT OF THE INTERIOR. FISH AND WILDLIFE SERVICE. FWS/OBS-79/31.



LOCATION PLAN
ROCHESTER, N.H.
NOT TO SCALE

**PLAN REFERENCES:**

1.) "PLAN OF LAND FOR JOHN WEEDEN, TAX MAP 256 LOT 54-1 ON ROUTE 16B & WHITEHALL ROAD IN ROCHESTER N.H." BY: BRUCE L. POHOPEK DATED: APRIL 20, 2001 S.C.R.D. PLAN #62-08




**ABUTTERS ACROSS THE STREET:**

N/F SEVERANCE, DARLENE L.
421 OLD DOVER ROAD
ROCHESTER, NH 03867
TAX MAP 256, LOT 60
S.C.R.D. BOOK/PAGE: 319-2015-ET-471

N/F OPEN SPACE COMMON OWNERSHIP
TAX MAP 256, LOT 61
S.C.R.D. BOOK 3167, PAGE 524

GRAPHIC SCALE
50 0 25 50 100 200
( IN FEET )
1 inch = 50 ft.

I CERTIFY THAT THIS PLAT EXCEEDS THE MINIMUM REQUIREMENT FOR ACCURACY AND COMPLETENESS OF THE STATE OF N.H. AND THE CITY OF ROCHESTER, N.H. - 1:10,000 -

KENNETH A. BERRY LLS 805 DATE

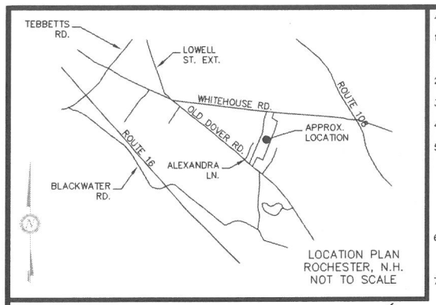
| REVISION | DATE | DESCRIPTION |
|---|---|---|
| | | |

EXISTING CONDITIONS PLAN NORTH
FOR
DONALD TOY
418 OLD DOVER ROAD
ROCHESTER, N.H.
TAX MAP 256, LOT 53 & 54-1

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 {332-2863}

SCALE : 1 IN. EQUALS 50 FT.
DATE : JUNE 11, 2019
FILE NO. : DB 2015 - 151

STATE OF NEW HAMPSHIRE LICENSED LAND SURVEYOR
NO. 805
KENNETH A. BERRY
SIGNATURE




LOCATION PLAN
ROCHESTER, N.H.
NOT TO SCALE

***NOTES:***

1.) OWNER: DONALD & BONNIE TOY
15 NASHOBA DRIVE
ROCHESTER, NH 03867-5145

2.) TAX MAP 256, LOT 54-1

3.) LOT AREA: 1,067,116 Sq. Ft., 24.49 Ac.

4.) S.C.R.D. BOOK 4317, PAGE 640

5.) ZONING: AGRICULTURAL DISTRICT W/MUNICIPAL WATER
FRONTAGE ~ 150.0'
MINIMUM LOT SIZE ~ 30,000 Sq. Ft.
FRONT SETBACK ~ 20.0'
REAR SETBACK ~ 20.0'
SIDE SETBACK ~ 10.0'
WETLANDS BUFFER ~ 50.0'

6.) I HEREBY CERTIFY THAT, TO THE BEST OF MY KNOWLEDGE & BELIEF, THIS PARCEL DOES NOT FALL WITHIN THE FLOOD PLAIN FLOOD HAZARD REF.: FEMA COMMUNITY# -330150, MAP# - 33017C0218E, DATED: SEPTEMBER 30, 2015

7.) VERTICAL DATUM BASED ON NAVD88 ELEVATIONS. HORIZONTAL COORDINATES BASED ON NAD83. COORDINATES GATHERED USING TOPCON HIPER SR SURVEY GRADE GPS RECEIVERS.

8.) THE BOUNDARY LINES SHOWN ON THIS PLAN ARE THE RESULT OF A CLOSED TRAVERSE PERFORMED BY THIS OFFICE IN JANUARY OF 2016, WITH AN ERROR OF CLOSURE OF 1 PART IN 19,420.

9.) THE INTENT OF THIS PLAN IS TO SHOW THE EXISTING CONDITIONS ON TAX MAP 256, LOT 54-1 AS OF JANUARY 2016 WHEN THE FIELD WORK WAS COMPLETED.

***LEGEND:***

- DRILL HOLE (FND)
- IRON PIPE (FND)
- IRON BOUND (FND)
- "X" CHISELED IN LEDGE
- UTILITY POLE
- TEMPORARY BENCH MARK (T.B.M.)
- NRCS SOIL DELINEATION LINE
- STONE WALL
- WETLAND LINE
- 50' WETLAND BUFFER
- BUILDING SETBACK LINE
- OVERHEAD UTILITIES LINE
- S.C.R.D. STRAFFORD COUNTY REGISTRY OF DEEDS
- TYP. TYPICAL
- FND FOUND

***SOIL DATA:***

***CfB*** ~ CHARLTON FINE SANDY LOAM, 3-8% SLOPES
***HaB*** ~ HINCKLEY LOAMY SAND, 3 TO 8% SLOPES
***HsB*** ~ HOLLIS-CHARLTON FINE SANDY LOAMS, 3-8% SLOPES
***Mp*** ~ FREETOWN AND SWANSEA MUCKY PEATS, 0-2% SLOPES
***SoA*** ~ SCANTIC SILT LOAM, 0-3% SLOPES
***SuB*** ~ SUTTON FINE SANDY LOAM, 0-8% SLOPES, VERY STONY

SEE WEBSOIL

***ABUTTERS ACROSS THE STREET:***

N/F KENYON, BRADFORD D. & ROWENA A.
88 WHITEHOUSE ROAD
ROCHESTER, NH 03867
***TAX MAP 256, LOT 22***
S.C.R.D. BOOK 3307, PAGE 200

N/F WEBB, CAROL A.
90 WHITEHOUSE ROAD
ROCHESTER, NH 03867
***TAX MAP 256, LOT 23***
S.C.R.D. BOOK 3596, PAGE 939

N/F ROSE THERIAULT 2009 REVOCABLE TRUST
THERIAULT, ROSE SIELIAN TRUSTEE
94 WHITEHOUSE ROAD
ROCHESTER, NH 03867
***TAX MAP 256, LOT 24***
S.C.R.D. BOOK 3791, PAGE 207

N/F PONTOH, JOHANNES J. & SANDRA KELLY
98 WHITEHOUSE ROAD
ROCHESTER, NH 03867
***TAX MAP 256, LOT 25***
S.C.R.D. BOOK 3257, PAGE 116

N/F LAZZARO, ANTHONY L. & CAROLYN M.
81 WHITEHOUSE ROAD
ROCHESTER, NH 03867
***TAX MAP 256, LOT 26***
S.C.R.D. BOOK 871, PAGE 494

N/F LAZZARO, ANTHONY & CAROLYN
81 WHITEHOUSE ROAD
ROCHESTER, NH 03867
***TAX MAP 256, LOT 27***
S.C.R.D. BOOK 1032, PAGE 696

N/F WEEDEN, JOHN W. & DEBRA J.
365 SIXTH STREET
DOVER, NH 03820
***TAX MAP 256, LOT 40***

STONEY RIDGE ENVIRONMENTAL, LLC.
CYNTHIA BALCIUS, CWS #61



***PLAN REFERENCES:***

1.) "PLAN OF LAND FOR JOHN WEEDEN, TAX MAP 256 LOT 54-1 ON ROUTE 16B & WHITEHALL ROAD IN ROCHESTER N.H." BY: BRUCE L. POHOPEK DATED: APRIL 20, 2001 S.C.R.D. PLAN #62-08

GRAPHIC SCALE
( IN FEET )
1 inch = 50 ft.

JURISDICTIONAL WETLANDS WERE DELINEATED BY CYNTHIA BALCIUS OF STONEY RIDGE ENVIRONMENTAL LLC IN DECEMBER OF 2015 UTILIZING THE FOLLOWING STANDARDS:

1) FIELD INDICATORS OF HYDRIC SOILS IN THE UNITED STATES, VERSION 7.0. 2010. L.M. VASILAS, G.W. HURT, AND C.V. NOBLE (EDS.). UNITED STATES DEPARTMENT OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE, IN COOPERATION WITH THE NATIONAL TECHNICAL COMMITTEE FOR HYDRIC SOILS.
2) FIELD INDICATORS FOR IDENTIFYING HYDRIC SOILS IN NEW ENGLAND. VERSION 3. APRIL 2004. NEIWPCC WETLANDS WORKGROUP. WILMINGTON, MA 01887.
3) NORTH AMERICAN DIGITAL FLORA: NATIONAL WETLAND PLANT LIST, VERSION 2.1.0 (HTTP://WETLAND_PLANTS.USACE.ARMY.MIL). U.S. ARMY CORPS OF ENGINEERS, ENGINEER RESEARCH AND DEVELOPMENT CENTER, COLD REGIONS RESEARCH AND ENGINEERING LABORATORY, HANOVER, NH, AND BONAP, CHAPEN HILL.
4) STATE OF NEW HAMPSHIRE 2014 WETLAND PLANT LIST. LICHVAR, R.W., M. BUTTERWICH, N.C. MELVIN, AND W.N. KIRCHNER. 2014. THE NATIONAL WETLAND PLANT LIST: 2014 UPDATE OF WETLAND RATINGS. PHYTONEURON 2014-41:1-42.
5) CORPS OF ENGINEERS WETLANDS DELINEATION MANUAL. JANUARY 1987. WETLANDS RESEARCH PROGRAM TECHNICAL REPORT Y-87-1.
6) REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: NORTHCENTRAL AND NORTHEAST REGION. JANUARY 2012, VERSION 2. U.S. ARMY CORPS OF ENGINEERS. ENVIRONMENTAL LABORATORY ERDC/EL TR-12-1.
7) CLASSIFICATION OF WETLANDS AND DEEPWATER HABITATS OF THE UNITED STATES. DECEMBER 1979. L. COWARDIN, V. CARTER, F. GOLET, AND E. LAROE. US DEPARTMENT OF THE INTERIOR. FISH AND WILDLIFE SERVICE. FWS/OBS-79/31.

I CERTIFY THAT THIS PLAT EXCEEDS THE MINIMUM REQUIREMENT FOR ACCURACY AND COMPLETENESS OF THE STATE OF N.H. AND THE CITY OF ROCHESTER, N.H. - 1:10,000 -

KENNETH A. BERRY LLS 805 DATE

| REVISION | DATE | DESCRIPTION |
|---|---|---|
| | | |

EXISTING CONDITIONS PLAN NORTH
FOR
DONALD TOY
418 OLD DOVER ROAD
ROCHESTER, N.H.
*TAX MAP 256, LOT 53 & 54-1*

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (332-2863)

SCALE : 1 IN. EQUALS 50 FT.
DATE : JUNE 11, 2019
FILE NO. : DB 2015 - 151

STATE OF NEW HAMPSHIRE LICENSED LAND SURVEYOR No. 805 KENNETH A. BERRY SIGNATURE

STONEY RIDGE ENVIRONMENTAL, LLC.
CYNTHIA BALCIUS, CWS #61

STONEY RIDGE ENVIRONMENTAL, LLC.
CYNTHIA BALCIUS, CSS #84

**LEGEND:**

- IRON BOUND (TBS)
- IRON BOUND (FND)
- DRILL HOLE (FND)
- GRANITE BOUND (TBS)
- UTILITY POLE/GUY WIRE
- TEST HOLE
- BENCHMARK
- STONE WALL
- WETLAND LINE
- 50' WETLAND BUFFER
- OVERHEAD UTILITIES LINE
- EXISTING CONTOUR MINOR
- EXISTING CONTOUR MAJOR
- SOIL LINE
- LIMIT OF SOIL SURVEY
- MATCH LINE / MATCH POINT

448A SOIL SERIES
S.C.R.D. STRAFFORD COUNTY REGISTRY OF DEEDS
TYP. TYPICAL
FND FOUND
TBA TO BE ABANDONED

JURISDICTIONAL WETLANDS WERE DELINEATED BY CYNTHIA BALCIUS OF STONEY RIDGE ENVIRONMENTAL LLC IN DECEMBER OF 2015 UTILIZING THE FOLLOWING STANDARDS:

1) FIELD INDICATORS OF HYDRIC SOILS IN THE UNITED STATES, VERSION 7.0. 2010, L.M. VASILAS, G.W. HURT, AND C.V. NOBLE (EDS.). UNITED STATES DEPARTMENT OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE, IN COOPERATION WITH THE NATIONAL TECHNICAL COMMITTEE FOR HYDRIC SOILS.
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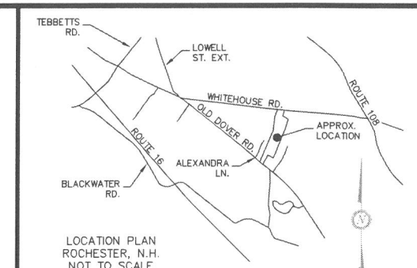



LOCATION PLAN
ROCHESTER, N.H.
NOT TO SCALE

***NOTES:***

1.) OWNER: DONALD & BONNIE TOY
15 NASHOBA DRIVE
ROCHESTER, NH 03867-5145

2.) TAX MAP 256, LOT 54-1

3.) LOT AREA: 1,067,116 Sq. Ft., 24.49 Ac.

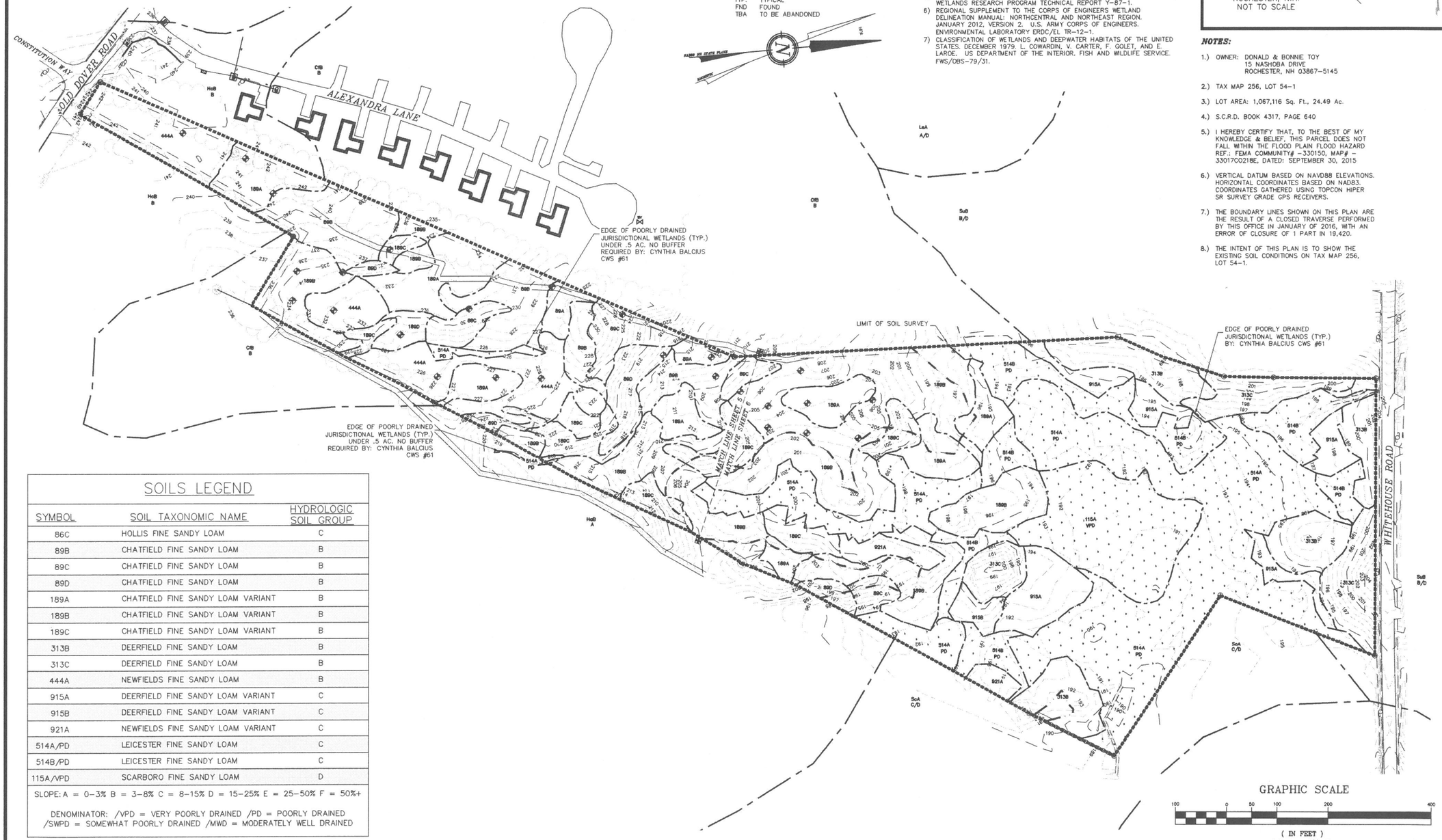
4.) S.C.R.D. BOOK 4317, PAGE 640

5.) I HEREBY CERTIFY THAT, TO THE BEST OF MY KNOWLEDGE & BELIEF, THIS PARCEL DOES NOT FALL WITHIN THE FLOOD PLAIN FLOOD HAZARD REF.: FEMA COMMUNITY# -330150, MAP# - 33017C0218E, DATED: SEPTEMBER 30, 2015

6.) VERTICAL DATUM BASED ON NAVD88 ELEVATIONS. HORIZONTAL COORDINATES BASED ON NAD83. COORDINATES GATHERED USING TOPCON HIPER SR SURVEY GRADE GPS RECEIVERS.

7.) THE BOUNDARY LINES SHOWN ON THIS PLAN ARE THE RESULT OF A CLOSED TRAVERSE PERFORMED BY THIS OFFICE IN JANUARY OF 2016, WITH AN ERROR OF CLOSURE OF 1 PART IN 19,420.

8.) THE INTENT OF THIS PLAN IS TO SHOW THE EXISTING SOIL CONDITIONS ON TAX MAP 256, LOT 54-1.




GRAPHIC SCALE
100 0 50 100 200 400
( IN FEET )
1 inch = 100 ft.

## SOILS LEGEND

| SYMBOL | SOIL TAXONOMIC NAME | HYDROLOGIC SOIL GROUP |
|---|---|---|
| 86C | HOLLIS FINE SANDY LOAM | C |
| 89B | CHATFIELD FINE SANDY LOAM | B |
| 89C | CHATFIELD FINE SANDY LOAM | B |
| 89D | CHATFIELD FINE SANDY LOAM | B |
| 189A | CHATFIELD FINE SANDY LOAM VARIANT | B |
| 189B | CHATFIELD FINE SANDY LOAM VARIANT | B |
| 189C | CHATFIELD FINE SANDY LOAM VARIANT | B |
| 313B | DEERFIELD FINE SANDY LOAM | B |
| 313C | DEERFIELD FINE SANDY LOAM | B |
| 444A | NEWFIELDS FINE SANDY LOAM | B |
| 915A | DEERFIELD FINE SANDY LOAM VARIANT | C |
| 915B | DEERFIELD FINE SANDY LOAM VARIANT | C |
| 921A | NEWFIELDS FINE SANDY LOAM VARIANT | C |
| 514A/PD | LEICESTER FINE SANDY LOAM | C |
| 514B/PD | LEICESTER FINE SANDY LOAM | C |
| 115A/VPD | SCARBORO FINE SANDY LOAM | D |

SLOPE: A = 0-3% B = 3-8% C = 8-15% D = 15-25% E = 25-50% F = 50%+

DENOMINATOR: /VPD = VERY POORLY DRAINED /PD = POORLY DRAINED /SWPD = SOMEWHAT POORLY DRAINED /MWD = MODERATELY WELL DRAINED

| REVISION | DATE | DESCRIPTION |
|---|---|---|
| | | |
| | | |
| | | |

SITE SPECIFIC SOILS MAP OVERVIEW
FOR
DONALD TOY
418 OLD DOVER ROAD
ROCHESTER, N.H.
*TAX MAP 256, LOT 53 & 54-1*

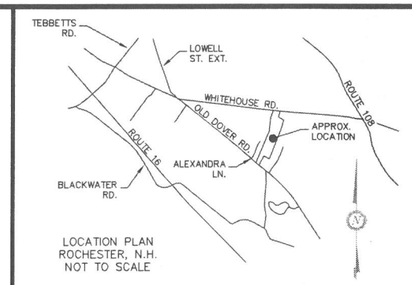

BERRY & SURVEYING ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (332-2863)


SCALE : 1 IN. EQUALS 100 FT.
DATE : JUNE 11, 2019
FILE NO. : DB 2015 - 151

STATE OF NEW HAMPSHIRE
KENNETH A. BERRY No. 14243 LICENSED PROFESSIONAL ENGINEER

JURISDICTIONAL WETLANDS WERE DELINEATED BY CYNTHIA BALCIUS OF STONEY RIDGE ENVIRONMENTAL LLC IN DECEMBER OF 2015 UTILIZING THE FOLLOWING STANDARDS:

1) FIELD INDICATORS OF HYDRIC SOILS IN THE UNITED STATES, VERSION 7.0. 2010. L.M. VASILAS, G.W. HURT, AND C.V. NOBLE (EDS.). UNITED STATES DEPARTMENT OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE, IN COOPERATION WITH THE NATIONAL TECHNICAL COMMITTEE FOR HYDRIC SOILS.
2) FIELD INDICATORS FOR IDENTIFYING HYDRIC SOILS IN NEW ENGLAND. VERSION 3. APRIL 2004. NEIWPCC WETLANDS WORKGROUP. WILMINGTON, MA 01887.
3) NORTH AMERICAN DIGITAL FLORA: NATIONAL WETLAND PLANT LIST, VERSION 2.1.0 (HTTP://WETLAND_PLANTS.USACE.ARMY.MIL). U.S. ARMY CORPS OF ENGINEERS, ENGINEER RESEARCH AND DEVELOPMENT CENTER, COLD REGIONS RESEARCH AND ENGINEERING LABORATORY, HANOVER, NH, AND BONAP, CHAPEN HILL.
4) STATE OF NEW HAMPSHIRE 2014 WETLAND PLANT LIST. LICHVAR, R.W., M. BUTTERWICH, N.C. MELVIN, AND W.N. KIRCHNER. 2014. THE NATIONAL WETLAND PLANT LIST: 2014 UPDATE OF WETLAND RATINGS. PHYTONEURON 2014-41:1-42.
5) CORPS OF ENGINEERS WETLANDS DELINEATION MANUAL. JANUARY 1987. WETLANDS RESEARCH PROGRAM TECHNICAL REPORT Y-87-1.
6) REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: NORTHCENTRAL AND NORTHEAST REGION. JANUARY 2012, VERSION 2. U.S. ARMY CORPS OF ENGINEERS. ENVIRONMENTAL LABORATORY ERDC/EL TR-12-1
7) CLASSIFICATION OF WETLANDS AND DEEPWATER HABITATS OF THE UNITED STATES. DECEMBER 1979. L. COWARDIN, V. CARTER, F. GOLET, AND E. LAROE. US DEPARTMENT OF THE INTERIOR, FISH AND WILDLIFE SERVICE. FWS/OBS-79/31.




LOCATION PLAN
ROCHESTER, N.H.
NOT TO SCALE

***NOTES:***

1.) OWNER: DONALD & BONNIE TOY
15 NASHOBA DRIVE
ROCHESTER, NH 03867-5145

2.) TAX MAP 256, LOT 54-1

3.) LOT AREA: 1,067,116 Sq. Ft., 24.49 Ac.

4.) S.C.R.D. BOOK 4317, PAGE 640

5.) I HEREBY CERTIFY THAT, TO THE BEST OF MY KNOWLEDGE & BELIEF, THIS PARCEL DOES NOT FALL WITHIN THE FLOOD PLAIN FLOOD HAZARD REF.: FEMA COMMUNITY# -330150, MAP# - 33017C0218E, DATED: SEPTEMBER 30, 2015

6.) VERTICAL DATUM BASED ON NAVD88 ELEVATIONS. HORIZONTAL COORDINATES BASED ON NAD83. COORDINATES GATHERED USING TOPCON HIPER SR SURVEY GRADE GPS RECEIVERS.

7.) THE BOUNDARY LINES SHOWN ON THIS PLAN ARE THE RESULT OF A CLOSED TRAVERSE PERFORMED BY THIS OFFICE IN JANUARY OF 2016, WITH AN ERROR OF CLOSURE OF 1 PART IN 19,420.

8.) THE INTENT OF THIS PLAN IS TO SHOW THE EXISTING SOIL CONDITIONS ON TAX MAP 256, LOT 54-1.

## SOILS LEGEND

| SYMBOL | SOIL TAXONOMIC NAME | HYDROLOGIC SOIL GROUP |
|---|---|---|
| 86C | HOLLIS FINE SANDY LOAM | C |
| 89B | CHATFIELD FINE SANDY LOAM | B |
| 89C | CHATFIELD FINE SANDY LOAM | B |
| 89D | CHATFIELD FINE SANDY LOAM | B |
| 189A | CHATFIELD FINE SANDY LOAM VARIANT | B |
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SLOPE: A = 0-3% B = 3-8% C = 8-15% D = 15-25% E = 25-50% F = 50%+

DENOMINATOR: /VPD = VERY POORLY DRAINED /PD = POORLY DRAINED /SWPD = SOMEWHAT POORLY DRAINED /MWD = MODERATELY WELL DRAINED

***LEGEND:***

- IRON BOUND (TBS)
- IRON BOUND (FND)
- DRILL HOLE (FND)
- GRANITE BOUND (TBS)
- UTILITY POLE/GUY WIRE
- TEST HOLE
- BENCHMARK
- STONE WALL
- WETLAND LINE
- 50' WETLAND BUFFER
- OVERHEAD UTILITIES LINE
- EXISTING CONTOUR MINOR
- EXISTING CONTOUR MAJOR
- SOIL LINE
- LIMIT OF SOIL SURVEY
- MATCH LINE / MATCH POINT
- 448A SOIL SERIES
- S.C.R.D. STRAFFORD COUNTY REGISTRY OF DEEDS
- TYP. TYPICAL
- FND FOUND
- TBA TO BE ABANDONED

STONEY RIDGE ENVIRONMENTAL, LLC.
CYNTHIA BALCIUS, CWS #61

STONEY RIDGE ENVIRONMENTAL, LLC.
CYNTHIA BALCIUS, CSS #84

GRAPHIC SCALE
50 0 25 50 100 200
( IN FEET )
1 inch = 50 ft.

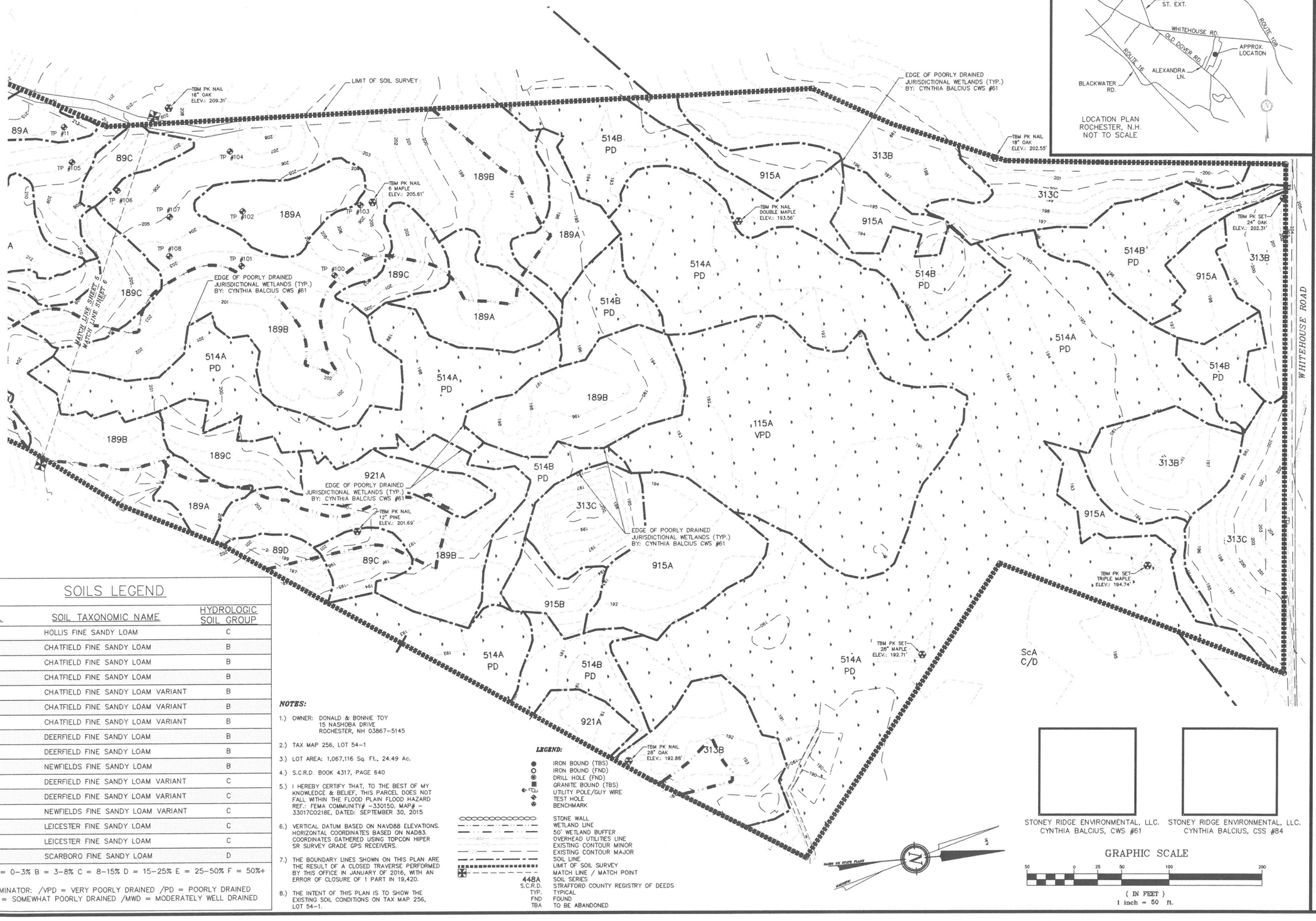
| REVISION | DATE | DESCRIPTION |
|---|---|---|
| | | |

SITE SPECIFIC SOILS MAP DETAIL SOUTH
FOR
DONALD TOY
418 OLD DOVER ROAD
ROCHESTER, N.H.
*TAX MAP 256, LOT 53 & 54-1*


BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (332-2863)


SCALE : 1 IN. EQUALS 50 FT.
DATE : JUNE 11, 2019
FILE NO. : DB 2015 - 151

STATE OF NEW HAMPSHIRE
KENNETH A. BERRY No. 14243 LICENSED PROFESSIONAL ENGINEER

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| SYMBOL | SOIL TAXONOMIC NAME | HYDROLOGIC SOIL GROUP |
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SLOPE: A = 0-3% B = 3-8% C = 8-15% D = 15-25% E = 25-50% F = 50%+

DENOMINATOR: /VPD = VERY POORLY DRAINED /PD = POORLY DRAINED /SWPD = SOMEWHAT POORLY DRAINED /MWD = MODERATELY WELL DRAINED

***NOTES:***

1.) OWNER: DONALD & BONNIE TOY
15 NASHOBA DRIVE
ROCHESTER, NH 03867-5145

2.) TAX MAP 256, LOT 54-1

3.) LOT AREA: 1,067,116 Sq. Ft., 24.49 Ac.

4.) S.C.R.D. BOOK 4317, PAGE 640

5.) I HEREBY CERTIFY THAT, TO THE BEST OF MY KNOWLEDGE & BELIEF, THIS PARCEL DOES NOT FALL WITHIN THE FLOOD PLAIN FLOOD HAZARD REF.: FEMA COMMUNITY# -330150, MAP# - 33017C0218E, DATED: SEPTEMBER 30, 2015

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8.) THE INTENT OF THIS PLAN IS TO SHOW THE EXISTING SOIL CONDITIONS ON TAX MAP 256, LOT 54-1.

***LEGEND:***

- IRON BOUND (TBS)
- IRON BOUND (FND)
- DRILL HOLE (FND)
- GRANITE BOUND (TBS)
- UTILITY POLE/GUY WIRE
- TEST HOLE
- BENCHMARK
- STONE WALL
- WETLAND LINE
- 50' WETLAND BUFFER
- OVERHEAD UTILITIES LINE
- EXISTING CONTOUR MINOR
- EXISTING CONTOUR MAJOR
- SOIL LINE
- LIMIT OF SOIL SURVEY
- MATCH LINE / MATCH POINT

448A SOIL SERIES
S.C.R.D. STRAFFORD COUNTY REGISTRY OF DEEDS
TYP. TYPICAL
FND. FOUND
TBA TO BE ABANDONED

| REVISION | DATE | DESCRIPTION |
|---|---|---|
| | | |

SITE SPECIFIC SOILS MAP DETAIL NORTH
FOR
DONALD TOY
418 OLD DOVER ROAD
ROCHESTER, N.H.
*TAX MAP 256, LOT 53 & 54-1*


BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (332-2863)


SCALE : 1 IN. EQUALS 50 FT.
DATE : JUNE 11, 2019
FILE NO. : DB 2015 - 151

STATE OF NEW HAMPSHIRE
KENNETH A. BERRY
No. 14243
LICENSED PROFESSIONAL ENGINEER

JURISDICTIONAL WETLANDS WERE DELINEATED BY CYNTHIA BALCIUS OF STONEY RIDGE ENVIRONMENTAL LLC IN DECEMBER OF 2015 UTILIZING THE FOLLOWING STANDARDS:

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2) FIELD INDICATORS FOR IDENTIFYING HYDRIC SOILS IN NEW ENGLAND. VERSION 3. APRIL 2004. NEIWPCC WETLANDS WORKGROUP. WILMINGTON, MA 01887.
3) NORTH AMERICAN DIGITAL FLORA: NATIONAL WETLAND PLANT LIST, VERSION 2.1.0 (HTTP://WETLAND_PLANTS.USACE.ARMY.MIL). U.S. ARMY CORPS OF ENGINEERS, ENGINEER RESEARCH AND DEVELOPMENT CENTER, COLD REGIONS RESEARCH AND ENGINEERING LABORATORY, HANOVER, NH, AND BONAP, CHAPEN HILL.
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STONEY RIDGE ENVIRONMENTAL, LLC.
CYNTHIA BALCIUS, CWS #61

1.) OWNER: DONALD & BONNIE TOY
15 NASHOBA DRIVE
ROCHESTER, NH 03867–5145

2.) TAX MAP 256, LOT 54–1

3.) LOT AREA: 1,067,116 Sq. Ft., 24.49 Ac.

4.) S.C.R.D. BOOK 4317, PAGE 640

5.) ZONING: RESIDENTIAL–AGRICULTURAL DISTRICT W/MUNICIPAL WATER
FRONTAGE ~ 150.0'
MINIMUM LOT SIZE ~ 30,000 Sq. Ft.
FRONT SETBACK ~ 20.0'
REAR SETBACK ~ 20.0'
SIDE SETBACK ~ 10.0'
WETLANDS BUFFER ~ 50.0'
MOBILE HOME PARK ORDINANCE
FRONTAGE ~ 75.0'
MINIMUM LOT SIZE ~ 10,000 Sq. Ft.
FRONT SETBACK ~ 20.0'
REAR SETBACK ~ 15.0'
SIDE SETBACK ~ 15.0'
WETLANDS BUFFER ~ 50.0'
MAXIMUM BUILDING COVERAGE ~ 35%

6.) I HEREBY CERTIFY THAT, TO THE BEST OF MY KNOWLEDGE & BELIEF, THIS PARCEL DOES NOT FALL WITHIN THE FLOOD PLAIN FLOOD HAZARD REF.: FEMA COMMUNITY# –330150, MAP# – 33017C0218E, DATED: SEPTEMBER 30, 2015

7.) VERTICAL DATUM BASED ON NAVD88 ELEVATIONS. HORIZONTAL COORDINATES BASED ON NAD83. COORDINATES GATHERED USING TOPCON HIPER SR SURVEY GRADE GPS RECEIVERS.

8.) THE BOUNDARY LINES SHOWN ON THIS PLAN ARE THE RESULT OF A CLOSED TRAVERSE PERFORMED BY THIS OFFICE IN JANUARY OF 2016, WITH AN ERROR OF CLOSURE OF 1 PART IN 19,420.

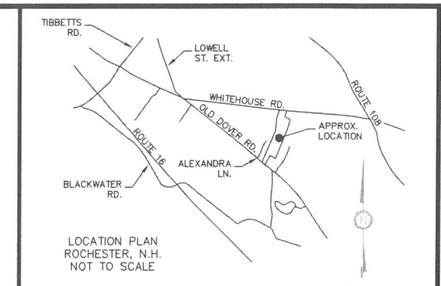
9.) THE INTENT OF THIS PLAN IS TO SHOW THE MOBILE HOME LOTTING PLAN FOR TAX MAP 256, LOT 54–1.

***NOTES CONT.:***

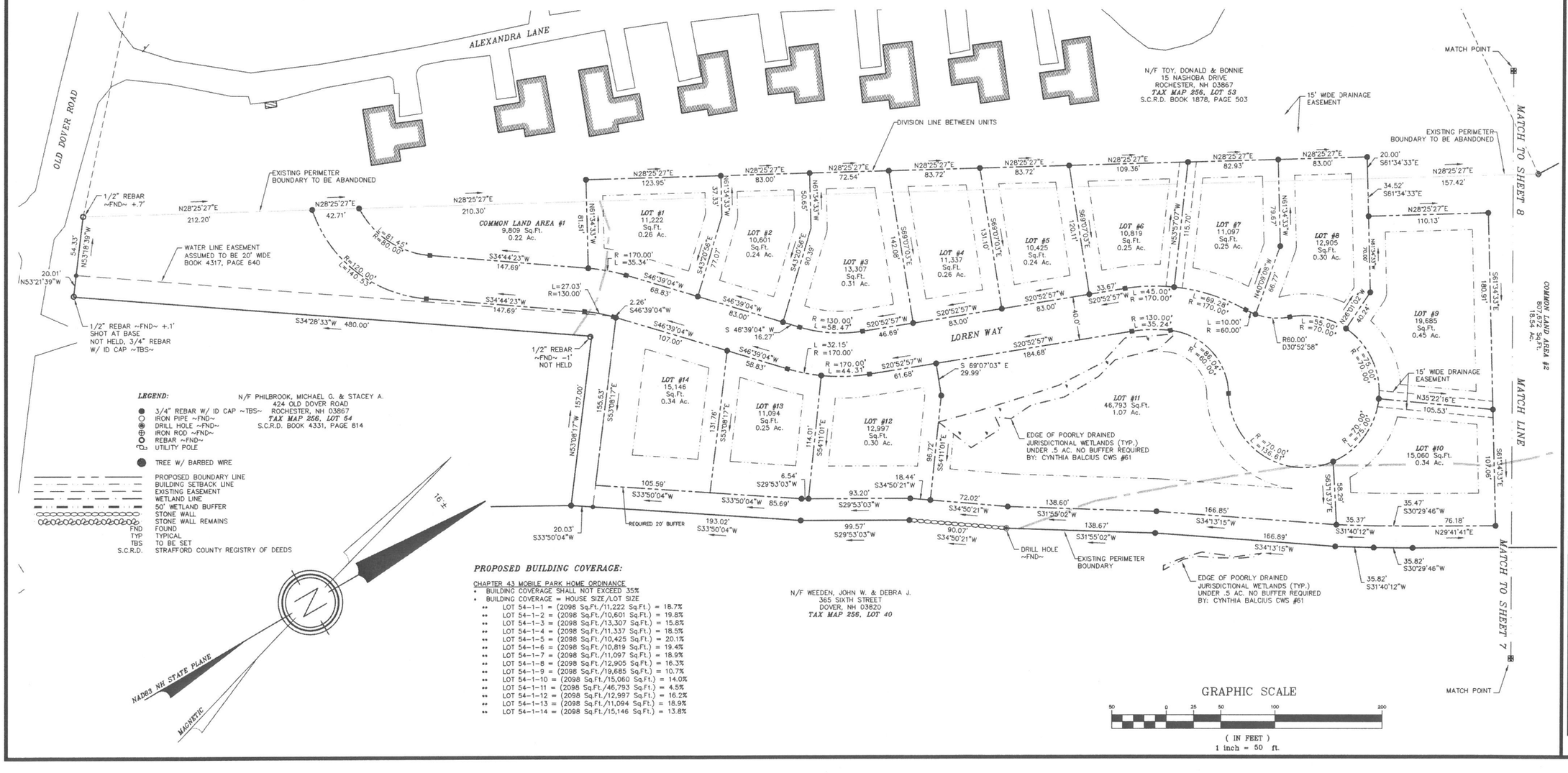
20.) ALL UTILITIES ARE REQUIRED TO BE UNDERGROUND.

21.) ALL STREET SIGNS AND ADDRESS SIGNS ARE TO BE IN PLACE PRIOR TO THE ISSUANCE OF A BUILDING PERMIT.

22.) THIS IS A 35 SHEET PLAN SET. SHEETS 7 & 8 ARE THE SUBDIVISION SHEET. SHEETS 9 & 10 ARE TOPOGRAPHY SHEETS. SHEETS 7 & 8 WILL BE RECORDED AT THE STRAFFORD COUNTY REGISTRY OF DEEDS. SHEETS 9 & 10 WILL BE ON FILE AT THIS OFFICE AND THE CITY OF ROCHESTER.



LOCATION PLAN
ROCHESTER, N.H.
NOT TO SCALE




***LEGEND:***

- ● 3/4" REBAR W/ ID CAP ~TBS~
- ○ IRON PIPE ~FND~
- ◉ DRILL HOLE ~FND~
- ⊕ IRON ROD ~FND~
- ○ REBAR ~FND~
- PU UTILITY POLE
- ● TREE W/ BARBED WIRE
- PROPOSED BOUNDARY LINE
- BUILDING SETBACK LINE
- EXISTING EASEMENT
- WETLAND LINE
- 50' WETLAND BUFFER
- STONE WALL
- STONE WALL REMAINS
- FND FOUND
- TYP TYPICAL
- TBS TO BE SET
- S.C.R.D. STRAFFORD COUNTY REGISTRY OF DEEDS

***PROPOSED BUILDING COVERAGE:***

CHAPTER 43 MOBILE PARK HOME ORDINANCE
- BUILDING COVERAGE SHALL NOT EXCEED 35%
- BUILDING COVERAGE = HOUSE SIZE/LOT SIZE
  - LOT 54–1–1 = (2098 Sq.Ft./11,222 Sq.Ft.) = 18.7%
  - LOT 54–1–2 = (2098 Sq.Ft./10,601 Sq.Ft.) = 19.8%
  - LOT 54–1–3 = (2098 Sq.Ft./13,307 Sq.Ft.) = 15.8%
  - LOT 54–1–4 = (2098 Sq.Ft./11,337 Sq.Ft.) = 18.5%
  - LOT 54–1–5 = (2098 Sq.Ft./10,425 Sq.Ft.) = 20.1%
  - LOT 54–1–6 = (2098 Sq.Ft./10,819 Sq.Ft.) = 19.4%
  - LOT 54–1–7 = (2098 Sq.Ft./11,097 Sq.Ft.) = 18.9%
  - LOT 54–1–8 = (2098 Sq.Ft./12,905 Sq.Ft.) = 16.3%
  - LOT 54–1–9 = (2098 Sq.Ft./19,685 Sq.Ft.) = 10.7%
  - LOT 54–1–10 = (2098 Sq.Ft./15,060 Sq.Ft.) = 14.0%
  - LOT 54–1–11 = (2098 Sq.Ft./46,793 Sq.Ft.) = 4.5%
  - LOT 54–1–12 = (2098 Sq.Ft./12,997 Sq.Ft.) = 16.2%
  - LOT 54–1–13 = (2098 Sq.Ft./11,094 Sq.Ft.) = 18.9%
  - LOT 54–1–14 = (2098 Sq.Ft./15,146 Sq.Ft.) = 13.8%

GRAPHIC SCALE
50 0 25 50 100 200
( IN FEET )
1 inch = 50 ft.

| REVISION | DATE | DESCRIPTION |
|---|---|---|
| | | |
| | | |
| | | |

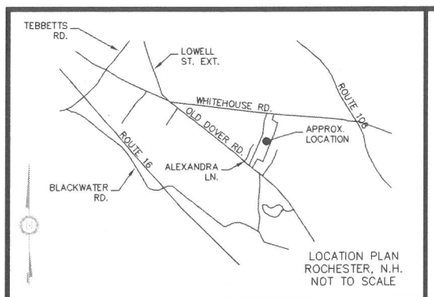
MOBILE HOME SUBDIVISION PLAN
FOR
DONALD TOY
418 OLD DOVER ROAD
ROCHESTER, N.H.
*TAX MAP 256, LOT 53 & 54–1*

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (332–2863)

SCALE: 1 INCH EQUALS 50 FEET
DATE : JUNE 11, 2019
FILE NO. : DB 2015 – 151

STATE OF NEW HAMPSHIRE No. 805 LICENSED LAND SURVEYOR
KENNETH A. BERRY
SIGNATURE

SHEET 7 OF 35




LOCATION PLAN
ROCHESTER, N.H.
NOT TO SCALE

STONEY RIDGE ENVIRONMENTAL, LLC.
CYNTHIA BALCIUS, CWS #61

***NOTES:***

1.) OWNER: DONALD & BONNIE TOY
15 NASHOBA DRIVE
ROCHESTER, NH 03867-5145

2.) TAX MAP 256, LOT 54-1

3.) LOT AREA: 1,067,116 Sq. Ft., 24.49 Ac.

4.) S.C.R.D. BOOK 4317, PAGE 640

5.) THE INTENT OF THIS PLAN IS TO SHOW THE PROPOSED MOBILE HOME SUBDIVISION LAYOUT ON TAX MAP 256, LOT 54-1.

NADB3 NH STATE PLANE
MAGNETIC
16±

EXISTING PERIMETER BOUNDARY

N/F LAZZARO, ANTHONY L. & CAROLYN M.
81 WHITEHOUSE ROAD
ROCHESTER, NH 03867
*TAX MAP 256, LOT 26*
S.C.R.D. BOOK 871, PAGE 494

N/F LAZZARO, ANTHONY & CAROLYN
81 WHITEHOUSE ROAD
ROCHESTER, NH 03867
*TAX MAP 256, LOT 27*
S.C.R.D. BOOK 1032, PAGE 696

N/F WEEDEN, JOHN W. & DEBRA J.
365 SIXTH STREET
DOVER, NH 03820
*TAX MAP 256, LOT 40*

STEEL STAKE ~FND~ +.3'
N 05°32'48" E 199.74'
1" IRON PIPE ~FND~ +1.7'
N 06°08'42" E 97.50'
1" IRON PIPE ~FND~ +1.3'
N 22°53'06" E 127.98'
N 29°02'22" E 91.13'
8X8" GRANITE BOUND ~FND~ +1.5'
N 02°08'14" E 747.36'
"X" CHISELED IN LEDGE ~FND~ +.8'
116.55' S 36°01'08" W
3/4" REBAR W/ID CAP ~SET~ (TYP.)
114.63' S 26°55'57" W
3/4" REBAR W/ID CAP ~SET~ (TYP.)
517.33' S 33°44'37" W
184.98' S 31°37'24" W
DRILL HOLE ~FND~
DRILL HOLE ~FND~
371.87' S 51°40'17" E
2" AXLE ~FND~ +.8'
324.33' S 25°59'38" W
2" IRON PIPE ~FND~ +1'
S 85°09'05" E 536.07'
NET&T CO 17
WHITEHOUSE ROAD
PSNH 145A/18

EDGE OF POORLY DRAINED JURISDICTIONAL WETLANDS (TYP.) BY: CYNTHIA BALCIUS CWS #61
EDGE OF POORLY DRAINED JURISDICTIONAL WETLANDS
EDGE OF POORLY DRAINED JURISDICTIONAL WETLANDS
EDGE OF POORLY DRAINED JURISDICTIONAL WETLANDS
50' WETLAND BUFFER (TYP.)
50' WETLAND BUFFER (TYP.)
50' WETLAND BUFFER (TYP.)

COMMON LAND AREA #2
807,672 Sq. Ft.
18.54 Ac.±

*MATCH TO SHEET 7*
*MATCH LINE*

JURISDICTIONAL WETLANDS WERE DELINEATED BY CYNTHIA BALCIUS OF STONEY RIDGE ENVIRONMENTAL LLC IN DECEMBER OF 2015 UTILIZING THE FOLLOWING STANDARDS:

1) FIELD INDICATORS OF HYDRIC SOILS IN THE UNITED STATES, VERSION 7.0. 2010. L.M. VASILAS, G.W. HURT, AND C.V. NOBLE (EDS.). UNITED STATES DEPARTMENT OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE, IN COOPERATION WITH THE NATIONAL TECHNICAL COMMITTEE FOR HYDRIC SOILS.
2) FIELD INDICATORS FOR IDENTIFYING HYDRIC SOILS IN NEW ENGLAND. VERSION 3. APRIL 2004. NEIWPCC WETLANDS WORKGROUP. WILMINGTON, MA. 01887.
3) NORTH AMERICAN DIGITAL FLORA: NATIONAL WETLAND PLANT LIST, VERSION 2.1.0 (HTTP://WETLAND_PLANTS.USACE.ARMY.MIL). U.S. ARMY CORPS OF ENGINEERS, ENGINEER RESEARCH AND DEVELOPMENT CENTER, COLD REGIONS RESEARCH AND ENGINEERING LABORATORY, HANOVER, NH, AND BONAP, CHAPEN HILL.
4) STATE OF NEW HAMPSHIRE 2014 WETLAND PLANT LIST. LICHVAR, R.W., M. BUTTERWICH, N.C. MELVIN, AND W.N. KIRCHNER. 2014. THE NATIONAL WETLAND PLANT LIST: 2014 UPDATE OF WETLAND RATINGS. PHYTONEURON 2014-41:1-42.
5) CORPS OF ENGINEERS WETLANDS DELINEATION MANUAL. JANUARY 1987. WETLANDS RESEARCH PROGRAM TECHNICAL REPORT Y-87-1.
6) REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: NORTHCENTRAL AND NORTHEAST REGION. JANUARY 2012, VERSION 2. U.S. ARMY CORPS OF ENGINEERS. ENVIRONMENTAL LABORATORY ERDC/EL TR-12-1.
7) CLASSIFICATION OF WETLANDS AND DEEPWATER HABITATS OF THE UNITED STATES. DECEMBER 1979. L. COWARDIN, V. CARTER, F. GOLET, AND E. LAROE. US DEPARTMENT OF THE INTERIOR. FISH AND WILDLIFE SERVICE. FWS/OBS-79/31.

GRAPHIC SCALE
50 0 25 50 100 200
( IN FEET )
1 inch = 50 ft.

| REVISION | DATE | DESCRIPTION |
|---|---|---|
| | | |

MOBILE HOME SUBDIVISION PLAN
FOR
DONALD TOY
418 OLD DOVER ROAD
ROCHESTER, N.H.
*TAX MAP 256, LOT 53 & 54-1*

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (332-2863)

SCALE: 1 INCH EQUALS 50 FEET
DATE : JUNE 11, 2019
FILE NO. : DB 2015 - 151

STATE OF NEW HAMPSHIRE — No. 805 KENNETH A. BERRY — LICENSED LAND SURVEYOR
SIGNATURE

JURISDICTIONAL WETLANDS WERE DELINEATED BY CYNTHIA BALCIUS OF STONEY RIDGE ENVIRONMENTAL LLC IN DECEMBER OF 2015 UTILIZING THE FOLLOWING STANDARDS:

1) FIELD INDICATORS OF HYDRIC SOILS IN THE UNITED STATES, VERSION 7.0. 2010. L.M. VASILAS, G.W. HURT, AND C.V. NOBLE (EDS.). UNITED STATES DEPARTMENT OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE, IN COOPERATION WITH THE NATIONAL TECHNICAL COMMITTEE FOR HYDRIC SOILS.
2) FIELD INDICATORS FOR IDENTIFYING HYDRIC SOILS IN NEW ENGLAND. VERSION 3. APRIL 2004. NEWPCC WETLANDS WORKGROUP. WILMINGTON, MA 01887.
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4) STATE OF NEW HAMPSHIRE 2014 WETLAND PLANT LIST, LICHVAR, R.W., M. BUTTERWICH, N.C. MELVIN, AND W.N. KIRCHNER. 2014. THE NATIONAL WETLAND PLANT LIST: 2014 UPDATE OF WETLAND RATINGS. PHYTONEURON 2014-41:1-42.
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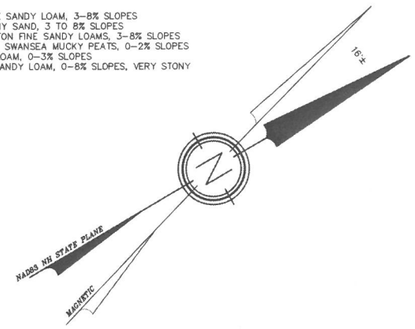
STONEY RIDGE ENVIRONMENTAL, LLC.
CYNTHIA BALCIUS, CWS #61

*SOIL DATA:*

*CfB* ~ CHARLTON FINE SANDY LOAM, 3-8% SLOPES
*HaB* ~ HINCKLEY LOAMY SAND, 3 TO 8% SLOPES
*HcB* ~ HOLLIS-CHARLTON FINE SANDY LOAMS, 3-8% SLOPES
*Mp* ~ FREETOWN AND SWANSEA MUCKY PEATS, 0-2% SLOPES
*ScA* ~ SCANTIC SILT LOAM, 0-3% SLOPES
*SuB* ~ SUTTON FINE SANDY LOAM, 0-8% SLOPES, VERY STONY

SEE WEBSOIL




***NOTES:***

1.) OWNER: DONALD & BONNIE TOY
15 NASHOBA DRIVE
ROCHESTER, NH 03867-5145

2.) TAX MAP 256, LOT 54-1

3.) LOT AREA: 1,067,116 Sq. Ft., 24.49 Ac.

4.) S.C.R.D. BOOK 4317, PAGE 640

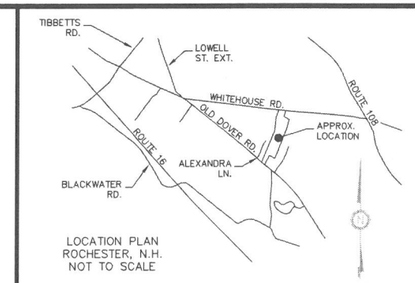
5.) ZONING: RESIDENTIAL-AGRICULTURAL DISTRICT W/MUNICIPAL WATER
FRONTAGE ~ 150.0'
MINIMUM LOT SIZE ~ 30,000 Sq. Ft.
FRONT SETBACK ~ 20.0'
REAR SETBACK ~ 20.0'
SIDE SETBACK ~ 10.0'
WETLANDS BUFFER ~ 50.0'
MOBILE HOME PARK ORDINANCE
FRONTAGE ~ 75.0'
MINIMUM LOT SIZE ~ 10,000 Sq. Ft.
FRONT SETBACK ~ 20.0'
REAR SETBACK ~ 15.0'
SIDE SETBACK ~ 15.0'
WETLANDS BUFFER ~ 50.0'
MAXIMUM BUILDING COVERAGE ~ 35%

6.) I HEREBY CERTIFY THAT, TO THE BEST OF MY KNOWLEDGE & BELIEF, THIS PARCEL DOES NOT FALL WITHIN THE FLOOD PLAIN FLOOD HAZARD REF.: FEMA COMMUNITY# -330150, MAP# - 33017C0218E, DATED: SEPTEMBER 30, 2015

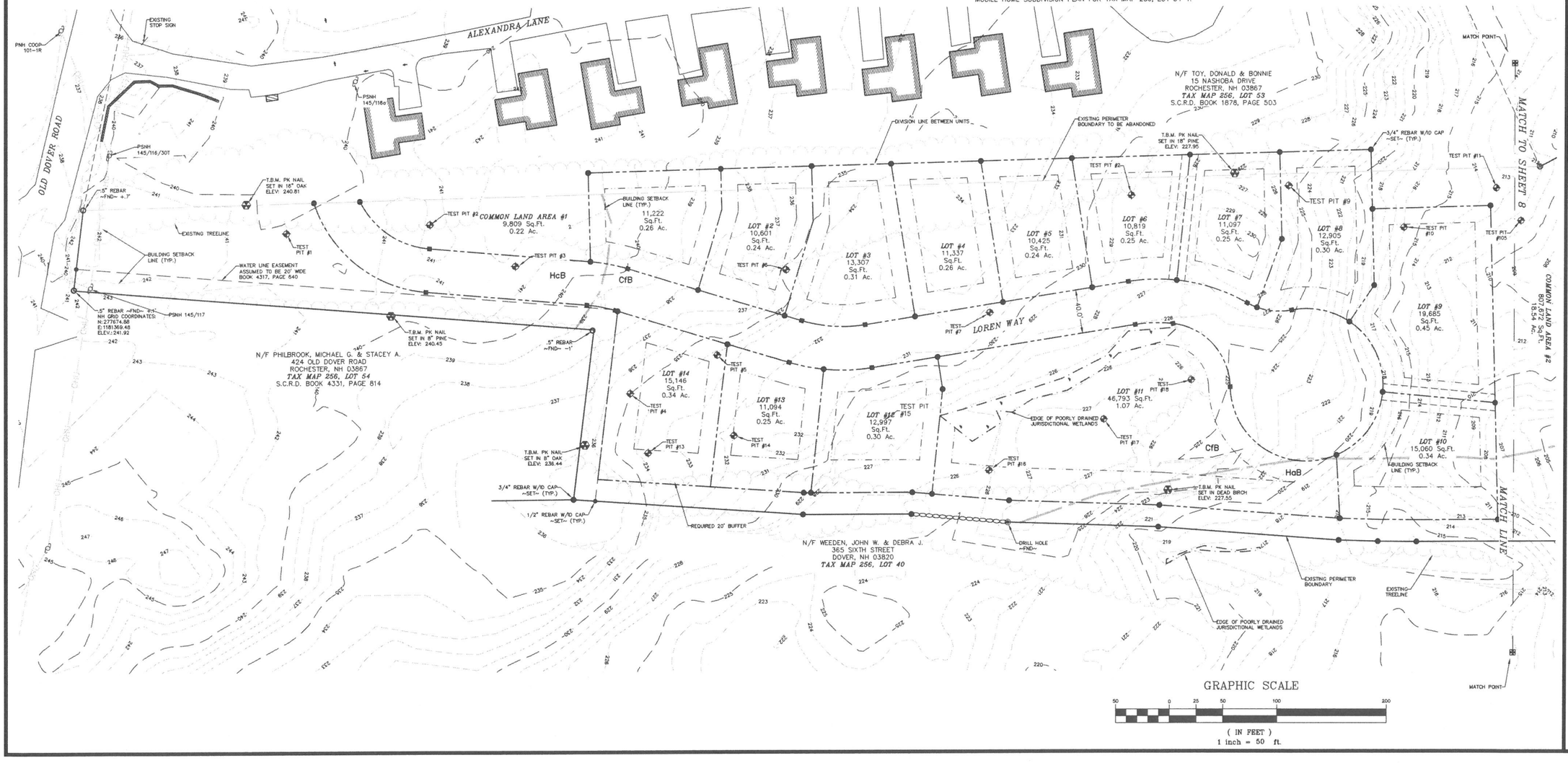
7.) VERTICAL DATUM BASED ON NAVD88 ELEVATIONS. HORIZONTAL COORDINATES BASED ON NAD83. COORDINATES GATHERED USING TOPCON HIPER SR SURVEY GRADE GPS RECEIVERS.

8.) THE BOUNDARY LINES SHOWN ON THIS PLAN ARE THE RESULT OF A CLOSED TRAVERSE PERFORMED BY THIS OFFICE IN JANUARY OF 2016, WITH AN ERROR OF CLOSURE OF 1 PART IN 19,420.

9.) THE INTENT OF THIS PLAN IS TO SHOW THE TOPOGRAPHIC FEATURES OF THE MOBILE HOME SUBDIVISION PLAN FOR TAX MAP 256, LOT 54-1.




LOCATION PLAN
ROCHESTER, N.H.
NOT TO SCALE




GRAPHIC SCALE
50 0 25 50 100 200
( IN FEET )
1 inch = 50 ft.

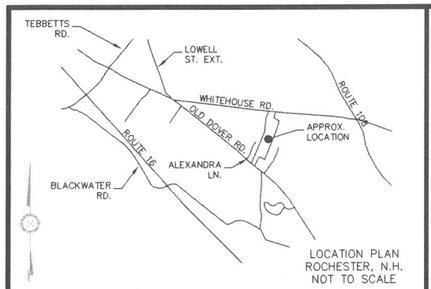
| REVISION | DATE | DESCRIPTION |
|---|---|---|
| | | |

MOBILE HOME SUBDIVISION PLAN TOPO
FOR
DONALD TOY
418 OLD DOVER ROAD
ROCHESTER, N.H.
*TAX MAP 256, LOT 53 & 54-1*

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (332-2863)

SCALE: 1 INCH EQUALS 50 FEET
DATE : JUNE 11, 2019
FILE NO. : DB 2015 - 151

STATE OF NEW HAMPSHIRE
No. 805
KENNETH A. BERRY
LICENSED LAND SURVEYOR
SIGNATURE




LOCATION PLAN
ROCHESTER, N.H.
NOT TO SCALE

STONEY RIDGE ENVIRONMENTAL, LLC.
CYNTHIA BALCIUS, CWS #61

***NOTES:***

1.) OWNER: DONALD & BONNIE TOY
15 NASHOBA DRIVE
ROCHESTER, NH 03867-5145

2.) TAX MAP 256, LOT 54-1

3.) LOT AREA: 1,067,116 Sq. Ft., 24.49 Ac.

4.) S.C.R.D. BOOK 4317, PAGE 640

5.) THE INTENT OF THIS PLAN IS TO SHOW THE TOPOGRAPHIC FEATURES OF THE PROPOSED MOBILE HOME SUBDIVISION LAYOUT ON TAX MAP 256, LOT 54-1.




GRAPHIC SCALE

50 0 25 50 100 200

( IN FEET )

1 inch = 50 ft.

*SOIL DATA:*

*CfB* ~ CHARLTON FINE SANDY LOAM, 3-8% SLOPES
*HaB* ~ HINCKLEY LOAMY SAND, 3 TO 8% SLOPES
*HoB* ~ HOLLIS-CHARLTON FINE SANDY LOAMS, 3-8% SLOPES
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*ScA* ~ SCANTIC SILT LOAM, 0-3% SLOPES
*SuB* ~ SUTTON FINE SANDY LOAM, 0-8% SLOPES, VERY STONY

SEE WEBSOIL

JURISDICTIONAL WETLANDS WERE DELINEATED BY CYNTHIA BALCIUS OF STONEY RIDGE ENVIRONMENTAL LLC IN DECEMBER OF 2015 UTILIZING THE FOLLOWING STANDARDS:

1) FIELD INDICATORS OF HYDRIC SOILS IN THE UNITED STATES, VERSION 7.0. 2010. L.M. VASILAS, G.W. HURT, AND C.V. NOBLE (EDS.). UNITED STATES DEPARTMENT OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE, IN COOPERATION WITH THE NATIONAL TECHNICAL COMMITTEE FOR HYDRIC SOILS.
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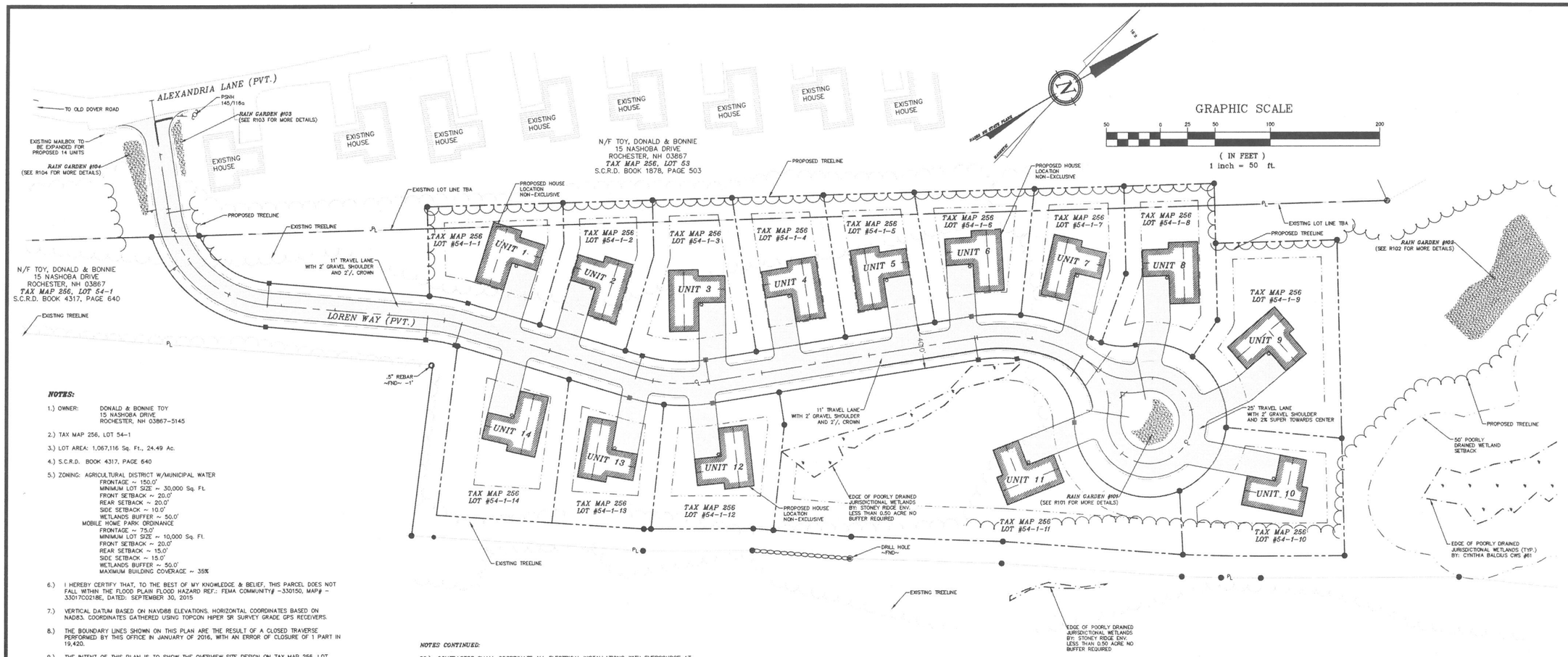
| REVISION | DATE | DESCRIPTION |
|---|---|---|
| | | |

MOBILE HOME SUBDIVISION PLAN TOPO
FOR
DONALD TOY
418 OLD DOVER ROAD
ROCHESTER, N.H.
*TAX MAP 256, LOT 53 & 54-1*

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (332-2863)

SCALE: 1 INCH EQUALS 50 FEET
DATE : JUNE 11, 2019
FILE NO. : DB 2015 - 151

STATE OF NEW HAMPSHIRE No. 805 KENNETH A BERRY LICENSED LAND SURVEYOR SIGNATURE




**NOTES:**

1.) OWNER: DONALD & BONNIE TOY
15 NASHOBA DRIVE
ROCHESTER, NH 03867-5145

2.) TAX MAP 256, LOT 54-1

3.) LOT AREA: 1,067,116 Sq. Ft., 24.49 Ac.

4.) S.C.R.D. BOOK 4317, PAGE 640

5.) ZONING: AGRICULTURAL DISTRICT W/MUNICIPAL WATER
FRONTAGE ~ 150.0'
MINIMUM LOT SIZE ~ 30,000 Sq. Ft.
FRONT SETBACK ~ 20.0'
REAR SETBACK ~ 20.0'
SIDE SETBACK ~ 10.0'
WETLANDS BUFFER ~ 50.0'
MOBILE HOME PARK ORDINANCE
FRONTAGE ~ 75.0'
MINIMUM LOT SIZE ~ 10,000 Sq. Ft.
FRONT SETBACK ~ 20.0'
REAR SETBACK ~ 15.0'
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WETLANDS BUFFER ~ 50.0'
MAXIMUM BUILDING COVERAGE ~ 35%

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7.) VERTICAL DATUM BASED ON NAVD88 ELEVATIONS. HORIZONTAL COORDINATES BASED ON NAD83. COORDINATES GATHERED USING TOPCON HIPER SR SURVEY GRADE GPS RECEIVERS.

8.) THE BOUNDARY LINES SHOWN ON THIS PLAN ARE THE RESULT OF A CLOSED TRAVERSE PERFORMED BY THIS OFFICE IN JANUARY OF 2016, WITH AN ERROR OF CLOSURE OF 1 PART IN 19,420.

9.) THE INTENT OF THIS PLAN IS TO SHOW THE OVERVIEW SITE DESIGN ON TAX MAP 256, LOT 54-1.

12.) AS BUILT PLANS OF SITE SHALL BE SUBMITTED ON PAPER AND IN A DIGITAL FORMAT IN A PDF AND AUTOCAD DWG, AUTOCAD DXF OR AN ERSI FORMAT TO THE CITY OF ROCHESTER DEPARTMENT OF PUBLIC WORKS UPON COMPLETION OF PROJECT. AS-BUILT PLANS SHALL BE PREPARED AND CERTIFIED CORRECT BY A L.L.S. OR P.E. DIGITAL FILES SHALL BE GEO-REFERENCED TO NEW HAMPSHIRE STATE PLANE COORDINATES NAD83 AND SHALL BE EXPRESSED IN FEET.

13.) ALL ON-SITE UTILITIES SHALL BE INSTALLED UNDERGROUND.

14.) THE SUBJECT PARCEL IS SERVICED BY SOMMERSWORTH MUNICIPAL WATER AND ON SITE SEPTIC.

15.) ALL EROSION CONTROL NOTES SHALL INCLUDE PROVISIONS FOR CONSTRUCTION SEQUENCING, TEMPORARY EROSION CONTROL MEASURES, AND PERMANENT STANDARDS SUCH AS LOAM SPREAD RATE FOR DISTURBED AREAS, RATES OF LIME, TYPE AND RATES FOR FERTILIZER, AND SEED AND MULCH MIXTURE WITH RATES OF APPLICATION.

16.) THE LIMITS OF CONSTRUCTION DISTURBANCE SHALL BE STAKED, FLAGGED AND CLEARLY IDENTIFIED PRIOR TO THE COMMENCEMENT OF SITE WORK.

17.) ALL TREATMENT SWALES TO BE CONSTRUCTED SHALL HAVE SOD BOTTOMS.

18.) A LETTER OF CREDIT FOR THE COST OF RE-VEGETATING ALL TO BE DISTURBED AREAS ON THE SITE SHALL BE SUBMITTED PRIOR TO ANY EARTH DISTURBING ACTIVITY OCCURS. COORDINATE WITH THE CITY OF ROCHESTER DEPARTMENT OF PLANNING & DEPARTMENT OF PUBLIC WORKS.

19.) A PRE-CONSTRUCTION CONFERENCE WITH THE DEVELOPER, THE DESIGN ENGINEER, THE EARTHWORK CONTRACTOR, AND THE TECHNICAL STAFF SHALL OCCUR PRIOR TO ANY EARTH DISTURBING ACTIVITY.

20.) BUILDING ADDRESSES SHALL BE ASSIGNED BY THE ASSESSING DEPARTMENT AT THE TIME OF ISSUANCE OF A BUILDING PERMIT.

21.) THE FOLLOWING FEDERAL AND STATE PERMITS HAVE BEEN ISSUED FOR THE SUBJECT PROPERTY:
EPA NOTICE OF INTENT (NOI): (PENDING)
NHDES SUBDIVISION APPROVAL: (PENDING)
NHDOT DRIVEWAY PERMIT: (PENDING)
DIVISION OF HISTORICAL RESOURCES: (PENDING)
NATURAL HERITAGE BUREAU: (PENDING)

22.) THIS PLAN PROPOSES APPROXIMATELY 88,000 SQ. FT. OF DISTURBANCE.

23.) ALL CONSTRUCTION SHALL CONFORM TO THE STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION DATED 2016. CONSTRUCTION SHALL ALSO CONFORM TO THE CITY OF ROCHESTER POLICIES AND PRACTICES.

24.) EXTERIOR LIGHTING SHALL BE CUT-OFF TYPE FIXTURES AND SHALL PROVIDE LIGHTING DIRECTED ON-SITE ONLY.

25.) THE PROPOSAL IS TO CONSTRUCT 14, 2 BEDROOM MOBILE HOMES WITH GARAGES/ 2 ADDITIONAL SPACES PROVIDED IN THE DRIVEWAY.

26.) FINAL UTILITY LOCATIONS TO BE COORDINATED BETWEEN THE CONTRACTOR, ALL APPROPRIATE UTILITY COMPANIES AND THE ROCHESTER DPW.

27.) CONTRACTOR TO CONTACT ROCHESTER DPW A MINIMUM OF TWO WEEKS PRIOR TO ANY CONSTRUCTION TO COORDINATE ALL WORK CONCERNING INSTALLATION OF ANY PROPOSED WATER LINE IMPROVEMENTS AS MAY BE REQUIRED.

***NOTES CONTINUED:***

28.) CONTRACTOR SHALL COORDINATE ALL ELECTRICAL INSTALLATIONS WITH EVERSOURCE AT (603) 436-7708. ALL ELECTRIC CONDUIT INSTALLATION SHALL BE INSPECTED BY EVERSOURCE PRIOR TO BACKFILL. A 48-HOUR MINIMUM NOTICE IS REQUIRED.

29.) CONTRACTOR SHALL COORDINATE ALL TELECOMMUNICATIONS INSTALLATIONS WITH CONSOLIDATED COMMUNICATIONS (844) 968-7224.

30.) ALL UNPAVED AREAS ARE TO RECEIVE 4" QUALITY LOAM AND SEED.

31.) THE SITE WORK CONSTRUCTION HOURS SHALL BE LIMITED TO MONDAY-FRIDAY 7AM-6PM, SATURDAY 8AM-6PM WITH NO SUNDAY HOURS. HOURS OF CONSTRUCTION SHALL BE DOCUMENTED ON A SITE CONSTRUCTION SIGN ALONG WITH THE CONTACT INFORMATION FOR THE GENERAL CONTRACTOR.

32.) FROM GROUND BREAKING THE SITE SHALL REMAIN ACCESSIBLE YEAR ROUND IN ALL WEATHER CONDITIONS.

33.) IF REQUIRED, SNOW SHALL BE REMOVED TO AN APPROVED LOCATION. SNOW STORAGE SHALL NOT IMPEDE DRAINAGE.
PAVEMENT COVERAGE: 83,365 Sq. Ft.
SNOW STORAGE: 13,894 Sq. Ft.
6:1 RATIO PROVIDED

34.) WRITTEN DIMENSION ON THIS PLAN TAKE PRECEDENCE OVER SCALED DIMENSIONS. THE CONTRACTOR SHALL USE CAUTION WHEN SCALING REPRODUCED PLANS. IN THE EVENT OF A CONFLICT BETWEEN THIS PLAN SET AND ANY OTHER DRAWINGS AND/OR SPECIFICATIONS, THE ENGINEER SHALL BE NOTIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR IS TO CONFIRM ALL ELEVATIONS. CONFLICTS WILL BE REPORTED TO THE DESIGN ENGINEER PRIOR TO CONSTRUCTION.

35.) SEE CONSTRUCTION DETAILS FOR LIGHTING CUT SHEETS.

36.) PROPOSED ROADWAY, ROADSIDE SWALES AND RAIN GARDENS ARE TO BE FULLY CONSTRUCTED AND STABILIZED PRIOR TO RESIDENTIAL LOT CONSTRUCTION.

***PROPOSED LOT COVERAGE:***

CHAPTER 43 MOBILE PARK HOME ORDINANCE
- LOT COVERAGE SHALL NOT EXCEED 35%
- LOT COVERGE = HOUSE SIZE/LOT SIZE
  - LOT 54-1-1 = (2098 Sq.Ft./11,222 Sq.Ft.) = 18.7%
  - LOT 54-1-2 = (2098 Sq.Ft./10,601 Sq.Ft.) = 19.8%
  - LOT 54-1-3 = (2098 Sq.Ft./13,307 Sq.Ft.) = 15.8%
  - LOT 54-1-4 = (2098 Sq.Ft./11,337 Sq.Ft.) = 18.5%
  - LOT 54-1-5 = (2098 Sq.Ft./10,425 Sq.Ft.) = 20.1%
  - LOT 54-1-6 = (2098 Sq.Ft./10,819 Sq.Ft.) = 19.4%
  - LOT 54-1-7 = (2098 Sq.Ft./11,097 Sq.Ft.) = 18.9%
  - LOT 54-1-8 = (2098 Sq.Ft./12,905 Sq.Ft.) = 16.3%
  - LOT 54-1-9 = (2098 Sq.Ft./19,685 Sq.Ft.) = 10.7%
  - LOT 54-1-10 = (2098 Sq.Ft./15,060 Sq.Ft.) = 14.0%
  - LOT 54-1-11 = (2098 Sq.Ft./46,793 Sq.Ft.) = 4.5%
  - LOT 54-1-12 = (2098 Sq.Ft./12,997 Sq.Ft.) = 16.2%
  - LOT 54-1-13 = (2098 Sq.Ft./11,094 Sq.Ft.) = 18.9%
  - LOT 54-1-14 = (2098 Sq.Ft./15,146 Sq.Ft.) = 13.8%

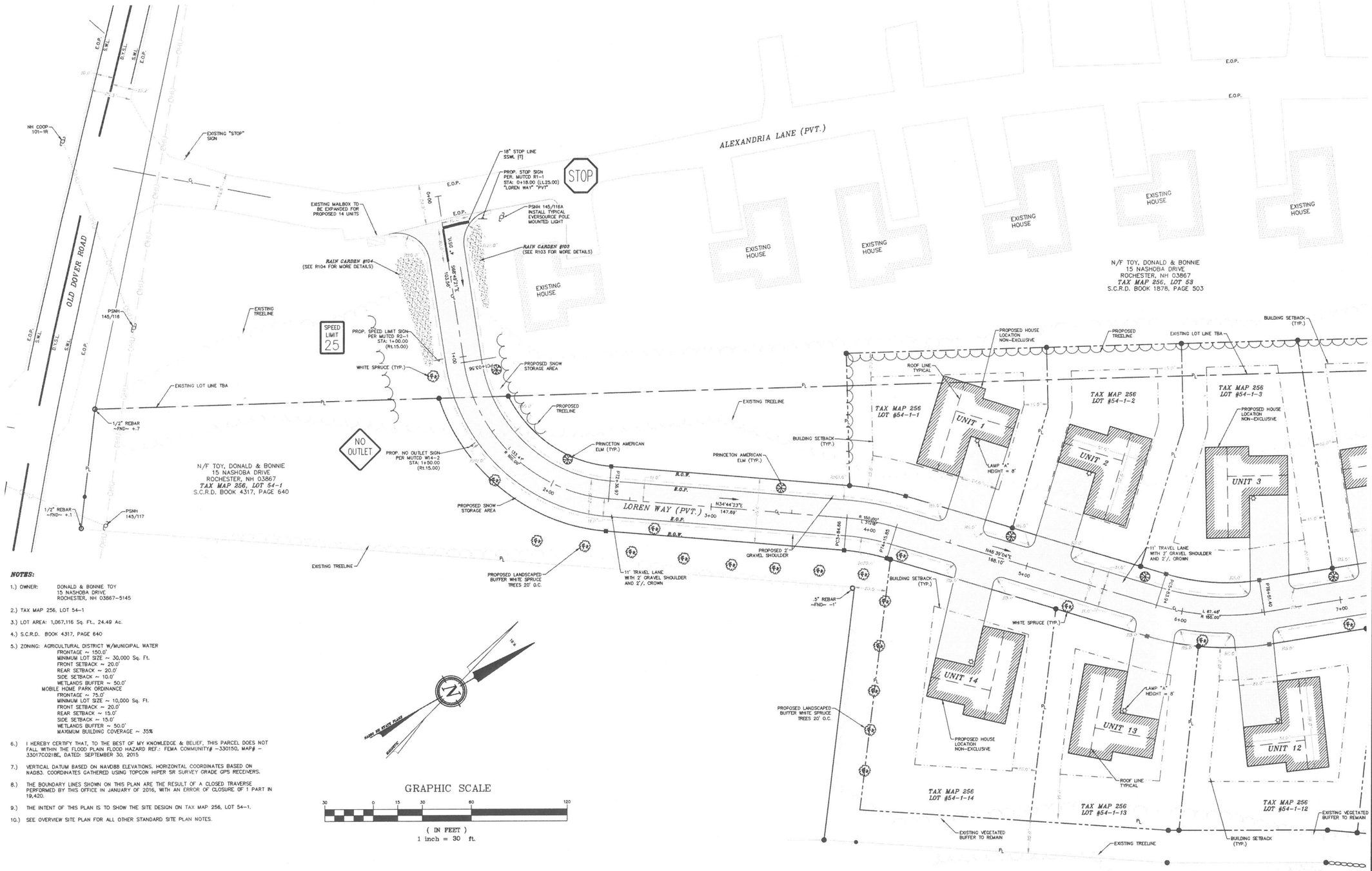
| REVISION | DATE | DESCRIPTION |
|---|---|---|
| | | |

OVERVIEW SITE PLAN
FOR
DONALD TOY
418 OLD DOVER ROAD
ROCHESTER, N.H.
TAX MAP 256, LOT 53 & 54-1


BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (332-2863)


SCALE : 1 IN. EQUALS 50 FT.
DATE : JUNE 11, 2019
FILE NO. : DB 2015 - 151

STATE OF NEW HAMPSHIRE
KENNETH A. BERRY
No. 14243
LICENSED PROFESSIONAL ENGINEER




***NOTES:***

1.) OWNER: DONALD & BONNIE TOY
15 NASHOBA DRIVE
ROCHESTER, NH 03867-5145

2.) TAX MAP 256, LOT 54-1

3.) LOT AREA: 1,067,116 Sq. Ft., 24.49 Ac.

4.) S.C.R.D. BOOK 4317, PAGE 640

5.) ZONING: AGRICULTURAL DISTRICT W/MUNICIPAL WATER
FRONTAGE ~ 150.0'
MINIMUM LOT SIZE ~ 30,000 Sq. Ft.
FRONT SETBACK ~ 20.0'
REAR SETBACK ~ 20.0'
SIDE SETBACK ~ 10.0'
WETLANDS BUFFER ~ 50.0'
MOBILE HOME PARK ORDINANCE
FRONTAGE ~ 75.0'
MINIMUM LOT SIZE ~ 10,000 Sq. Ft.
FRONT SETBACK ~ 20.0'
REAR SETBACK ~ 15.0'
SIDE SETBACK ~ 15.0'
WETLANDS BUFFER ~ 50.0'
MAXIMUM BUILDING COVERAGE ~ 35%

6.) I HEREBY CERTIFY THAT, TO THE BEST OF MY KNOWLEDGE & BELIEF, THIS PARCEL DOES NOT FALL WITHIN THE FLOOD PLAIN FLOOD HAZARD REF.: FEMA COMMUNITY# -330150, MAP# -33017C0218E, DATED: SEPTEMBER 30, 2015

7.) VERTICAL DATUM BASED ON NAVD88 ELEVATIONS. HORIZONTAL COORDINATES BASED ON NAD83. COORDINATES GATHERED USING TOPCON HIPER SR SURVEY GRADE GPS RECEIVERS.

8.) THE BOUNDARY LINES SHOWN ON THIS PLAN ARE THE RESULT OF A CLOSED TRAVERSE PERFORMED BY THIS OFFICE IN JANUARY OF 2016, WITH AN ERROR OF CLOSURE OF 1 PART IN 19,420.

9.) THE INTENT OF THIS PLAN IS TO SHOW THE SITE DESIGN ON TAX MAP 256, LOT 54-1.

10.) SEE OVERVIEW SITE PLAN FOR ALL OTHER STANDARD SITE PLAN NOTES.

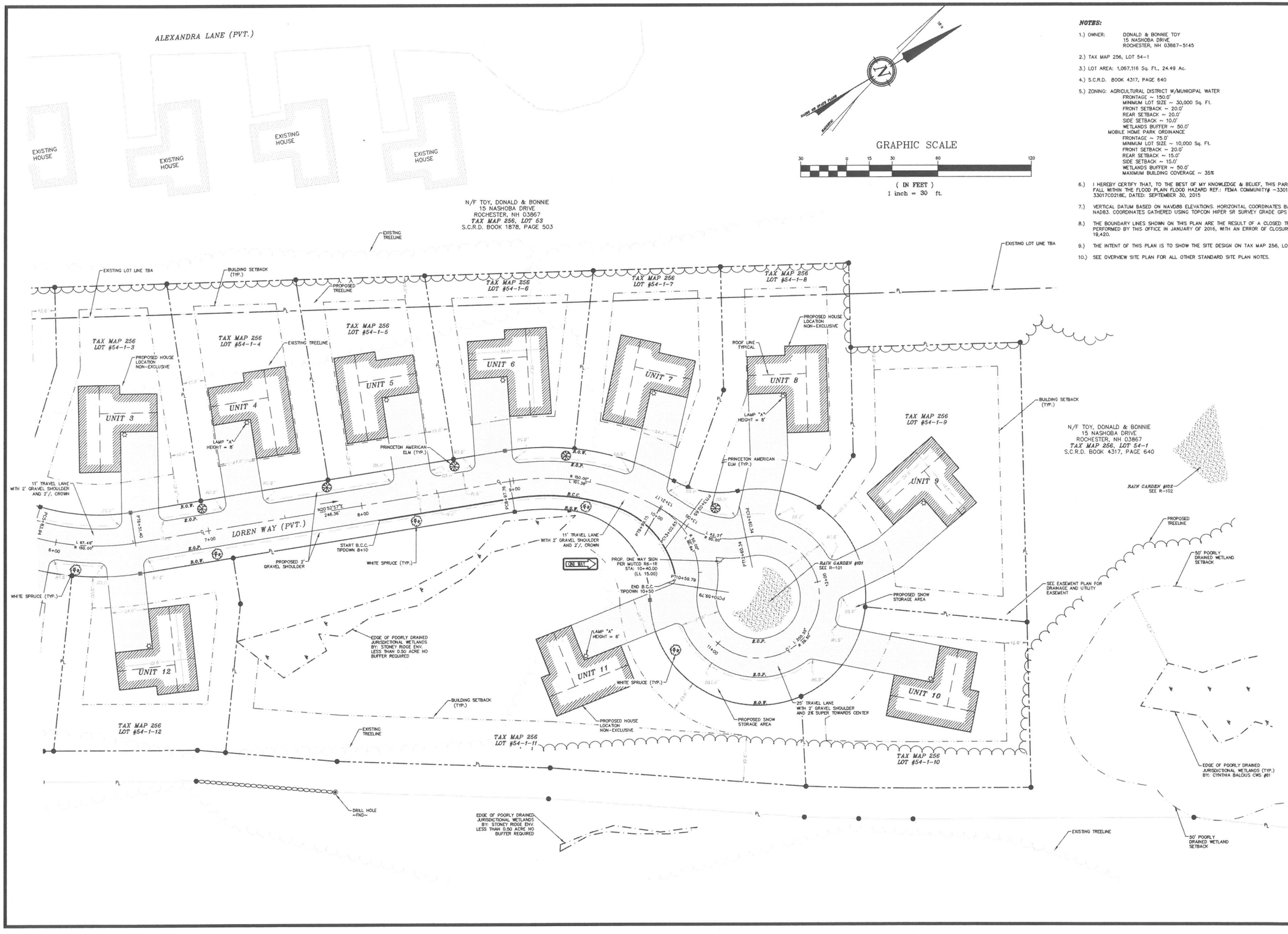
| REVISION | DATE | DESCRIPTION |
|---|---|---|
| | | |

SITE PLAN SOUTH
FOR
DONALD TOY
418 OLD DOVER ROAD
ROCHESTER, N.H.
*TAX MAP 256, LOT 53 & 54-1*


BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (332-2863)


SCALE : 1 IN. EQUALS 30 FT.
DATE : JUNE 11, 2019
FILE NO. : DB 2015 - 151

STATE OF NEW HAMPSHIRE
KENNETH A. BERRY
No. 14243
LICENSED PROFESSIONAL ENGINEER




***NOTES:***

1.) OWNER: DONALD & BONNIE TOY
15 NASHOBA DRIVE
ROCHESTER, NH 03867-5145

2.) TAX MAP 256, LOT 54-1

3.) LOT AREA: 1,067,116 Sq. Ft., 24.49 Ac.

4.) S.C.R.D. BOOK 4317, PAGE 640

5.) ZONING: AGRICULTURAL DISTRICT W/MUNICIPAL WATER
FRONTAGE ~ 150.0'
MINIMUM LOT SIZE ~ 30,000 Sq. Ft.
FRONT SETBACK ~ 20.0'
REAR SETBACK ~ 20.0'
SIDE SETBACK ~ 10.0'
WETLANDS BUFFER ~ 50.0'
MOBILE HOME PARK ORDINANCE
FRONTAGE ~ 75.0'
MINIMUM LOT SIZE ~ 10,000 Sq. Ft.
FRONT SETBACK ~ 20.0'
REAR SETBACK ~ 15.0'
SIDE SETBACK ~ 15.0'
WETLANDS BUFFER ~ 50.0'
MAXIMUM BUILDING COVERAGE ~ 35%

6.) I HEREBY CERTIFY THAT, TO THE BEST OF MY KNOWLEDGE & BELIEF, THIS PARCEL DOES NOT FALL WITHIN THE FLOOD PLAIN FLOOD HAZARD REF.: FEMA COMMUNITY# -330150, MAP# - 33017C0218E, DATED: SEPTEMBER 30, 2015

7.) VERTICAL DATUM BASED ON NAVD88 ELEVATIONS. HORIZONTAL COORDINATES BASED ON NAD83. COORDINATES GATHERED USING TOPCON HIPER SR SURVEY GRADE GPS RECEIVERS.

8.) THE BOUNDARY LINES SHOWN ON THIS PLAN ARE THE RESULT OF A CLOSED TRAVERSE PERFORMED BY THIS OFFICE IN JANUARY OF 2016, WITH AN ERROR OF CLOSURE OF 1 PART IN 19,420.

9.) THE INTENT OF THIS PLAN IS TO SHOW THE SITE DESIGN ON TAX MAP 256, LOT 54-1.

10.) SEE OVERVIEW SITE PLAN FOR ALL OTHER STANDARD SITE PLAN NOTES.

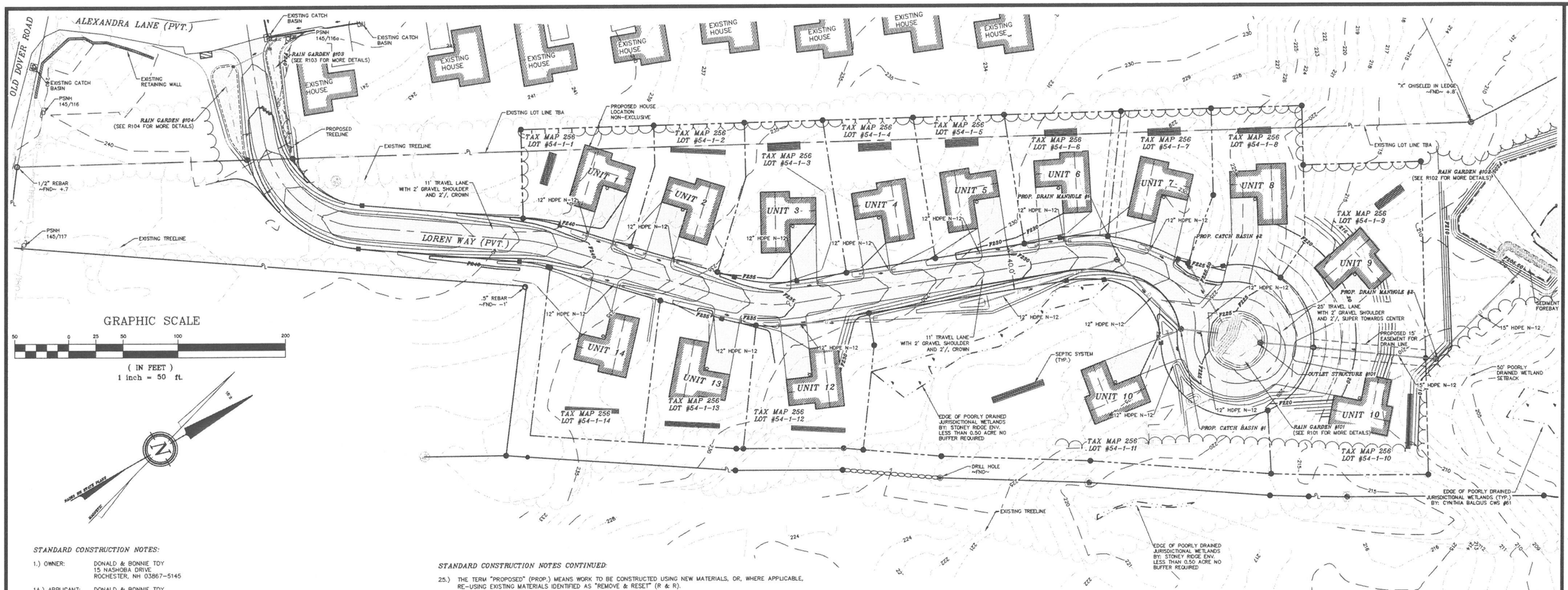
| REVISION | DATE | DESCRIPTION |
|---|---|---|
| | | |

SITE PLAN NORTH
FOR
DONALD TOY
418 OLD DOVER ROAD
ROCHESTER, N.H.
*TAX MAP 256 LOT 53 & 54-1*

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (332-2863)

SCALE : 1 IN. EQUALS 30 FT.
DATE : JUNE 11, 2019
FILE NO. : DB 2015 - 151

STATE OF NEW HAMPSHIRE
KENNETH A. BERRY
No. 14243
LICENSED PROFESSIONAL ENGINEER




*STANDARD CONSTRUCTION NOTES:*

1.) OWNER: DONALD & BONNIE TOY
15 NASHOBA DRIVE
ROCHESTER, NH 03867-5145

1A.) APPLICANT: DONALD & BONNIE TOY
15 NASHOBA DRIVE
ROCHESTER, NH 03867-5145

2.) TAX MAP 256, LOT 54-1

3.) LOT AREA: 1,067,116 Sq. Ft., 24.49 ACRES

4.) S.C.R.D. BOOK 4317, PAGE 640

5.) THE INTENT OF THIS PLAN IS TO PROVIDE AN OVERVIEW GRADING AND ENGINEERING DETAIL OF LOREN WAY.

6.) EXISTING CONDITIONS INFORMATION IS BASED ON A SURVEY PERFORMED BY BERRY SURVEYING & ENGINEERING AND IS ENCLOSED IN THIS PACKAGE.

7.) ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL CONFORM TO CITY OF ROCHESTER SUBDIVISION REGULATIONS AND THE LATEST EDITION OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION.

8.) AS-BUILT PLANS OF THE SITE SHALL BE SUBMITTED ON A REPRODUCIBLE MYLAR MEDIUM AND IN A DIGITAL DXF FORMAT ON DISK TO THE CITY OF ROCHESTER UPON COMPLETION OF PROJECT. AS-BUILT PLANS SHALL BE PREPARED AND CERTIFIED CORRECT BY A L.L.S. OR P.E.

9.) TOPOGRAPHIC SURVEY PERFORMED BY BERRY SURVEYING & ENGINEERING IN JANUARY OF 2016.

10.) VERTICAL DATUM BASED ON NAVD88 ELEVATIONS. HORIZONTAL COORDINATES BASED ON NAD83. COORDINATES GATHERED USING TOPCON HIPER SR SURVEY GRADE GPS RECEIVERS.

11.) UNDERGROUND UTILITY LOCATIONS ARE BASED UPON BEST AVAILABLE EVIDENCE AND ARE NOT FIELD VERIFIED. LOCATING AND PROTECTING ANY ABOVE AND BELOW GROUND UTILITIES IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. ANY UTILITY CONFLICTS SHOULD BE REPORTED IMMEDIATELY TO THE DESIGN ENGINEER.

12.) THE CONTRACTOR SHALL CALL AND COORDINATE WITH DIGSAFE 1-888-344-7233 AT LEAST 72 HOURS PRIOR TO COMMENCING ANY EXCAVATION ON PUBLIC OR PRIVATE PROPERTY.

13.) SEE DETAILS CONCERNING SITE LAYOUT, DRAINAGE, UTILITY AND SEDIMENT AND EROSION CONTROLS.

14.) SEE SEDIMENT & EROSION CONTROL PLAN FOR INLET PROTECTION AND CONTROLS FOR THE ENTIRE SITE.

15.) REQUIRED EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY DISTURBANCE OF THE SITE'S SURFACE AREA AND SHALL BE MAINTAINED THROUGH THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES. IF, DURING CONSTRUCTION, IT BECOMES APPARENT THAT ADDITIONAL EROSION CONTROL MEASURES ARE REQUIRED TO STOP AND EROSION ON THE CONSTRUCTION SITE DUE TO ACTUAL SITE CONDITIONS, THE OWNER SHALL BE REQUIRED TO INSTALL THE NECESSARY EROSION PROTECTION AT NO EXPENSE TO THE CITY.

16.) THE CONTRACTOR SHALL MAKE ALL ARRANGEMENTS FOR THE ALTERATION AND ADJUSTMENT OF GAS, ELECTRIC, TELEPHONE AND ANY OTHER PRIVATE UTILITIES BY THE UTILITY COMPANIES.

17.) AREAS OUTSIDE THE LIMITS OF PROPOSED WORK DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY THE CONTRACTOR TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.

18.) CONTRACTOR SHALL TAKE SPECIAL CARE IN NOT DISTURBING EXISTING MONUMENTS BOUNDS, AND OR BENCHMARKS WITHOUT FIRST MAKING PROVISIONS FOR RELOCATION.

19.) WHERE AN EXISTING UNDERGROUND UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, THE LOCATION, ELEVATION AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR, AND THE INFORMATION FURNISHED TO THE ENGINEER FOR RESOLUTION OF THE CONFLICT.

20.) FINAL UTILITY LOCATIONS TO BE COORDINATED BETWEEN THE CONTRACTOR, ALL APPROPRIATE UTILITY COMPANIES AND THE CITY OF ROCHESTER.

21.) CONTRACTOR SHALL COORDINATE ALL ELECTRICAL INSTALLATIONS WITH EVERSOURCE AT (603)-436-7708. ALL ELECTRIC CONDUIT INSTALLATION SHALL BE INSPECTED BY EVERSOURCE PRIOR TO BACKFILL. A 48-HOUR MINIMUM NOTICE IS REQUIRED.

22.) CONTRACTOR SHALL COORDINATE ALL CABLE AND TELECOMMUNICATIONS INSTALLATIONS WITH CONSOLIDATED COMMUNICATIONS.

23.) ALL NEW ON-SITE UTILITIES SHALL BE INSTALLED UNDERGROUND.

24.) THE PROJECT WILL BE SERVED BY SOMERSWORTH WATER AND ON SITE SEPTIC SYSTEMS.

*STANDARD CONSTRUCTION NOTES CONTINUED:*

25.) THE TERM "PROPOSED" (PROP.) MEANS WORK TO BE CONSTRUCTED USING NEW MATERIALS, OR, WHERE APPLICABLE, RE-USING EXISTING MATERIALS IDENTIFIED AS "REMOVE & RESET" (R & R).

26.) ALL SYMBOLS, WORDS, TRANSVERSE MARKINGS (STOP BARS, CROSSWALK LINES, AND RAILROAD SYMBOLS), LANE LINES, AND ALL OTHER MARKINGS NOTED WITH [T] SHALL BE THERMOPLASTIC

27.) ALL DISTURBED AREAS NOT DESIGNATED TO BE PAVED SHALL HAVE LOAM PLACED AND SEEDED. THE LOAM SHALL HAVE A MINIMUM DEPTH OF 4 INCHES AND SHALL BE PLACED FLUSH WITH THE TOP OF THE ADJACENT CURB, EDGING, BERM OR PAVEMENT SURFACE.

28.) PROTECTION OF SUBGRADE: THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN STABLE, DE-WATERED SUBGRADES, TRENCHES, AND OTHER AREAS DURING CONSTRUCTION. SUBGRADE DISTURBANCE MAY BE INFLUENCED BY EXCAVATION METHODS, MOISTURE, PRECIPITATION, GROUNDWATER CONTROL, AND CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL TAKE PRECAUTIONS TO PREVENT SUBGRADE DISTURBANCE. SUCH PRECAUTIONS MAY INCLUDE DIVERTING STORMWATER RUNOFF AWAY FROM CONSTRUCTION AREAS, REDUCING TRAFFIC IN SENSITIVE AREAS, AND MAINTAINING AN EFFECTIVE DEWATERING PROGRAM. SOILS EXHIBITING HEAVING OR INSTABILITY SHALL BE OVER EXCAVATED TO MORE COMPETENT BEARING SOIL AND REPLACED WITH FREE DRAINING STRUCTURAL FILL MEETING THE ENGINEERS SPECIFIC RECOMMENDED CRITERIA.

29.) IF THE EARTHWORK IS PERFORMED DURING FREEZING WEATHER (NOT ALLOWED IN CITY R.O.W.), EXPOSED SUBGRADES ARE SUSCEPTIBLE TO FROST. NO FILL OR UTILITIES SHALL BE PLACED ON FROZEN GROUND. THIS WILL LIKELY REQUIRE REMOVAL OF A FROZEN SOIL CRUST AT THE COMMENCEMENT OF EACH DAY'S OPERATION. THE FINAL SUBGRADE ELEVATION WOULD ALSO REQUIRE AN APPROPRIATE DEGREE OF INSULATION AGAINST FREEZING.

30.) PLACEMENT OF BORROW MATERIALS SHALL BE PERFORMED IN A MANNER THAT PREVENTS LONG TERM DIFFERENTIAL SETTLEMENT. EXCESSIVELY WET MATERIALS SHALL BE STOCKPILED AND ALLOWED TO DRAIN BEFORE PLACEMENT. FROZEN MATERIAL SHALL NOT BE USED FOR CONSTRUCTION. VOIDS BETWEEN STONES AND CLUMPS OF MATERIAL SHALL BE FILLED WITH FINE MATERIALS.

31.) BERMS ARE TO BE CONSTRUCTED WITH HIGH QUALITY CLAY OR LOAMY MATERIAL AND COMPACTED APPROPRIATELY. NO FROZEN MATERIALS ARE TO BE USED IN THE CONSTRUCTION OF ANY BERM ON SITE. TO BE REVIEWED AND APPROVED BY THE CITY OF ROCHESTER OR THEIR AGENTS.

32.) ALL ELEVATIONS TO BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. THE DESIGN ENGINEER IS TO BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCY. TEMPORARY BENCHMARKS (T.B.M.) ARE TO BE PROVIDED BY THE DESIGN ENGINEER.

33.) ALL DRAINAGE PIPE IS TO BE HDPE N-12 ASTM F2648. (GREEN PIPE) INDIVIDUAL PIPE SIZES ARE SPECIFIED.

34.) UPON FINAL COMPLETION AND 85% STABILIZATION THE DRAINAGE SYSTEM IS TO BE CLEANED OF ALL DEBRIS TO INCLUDE THE PUMPING OF THE BASIN SUMPS.

35.) ALL BASINS AND DRAINS ARE TO HAVE BOOTS INSTALLED ON ALL INLETS AND OUTLETS. HOODS TO BE INSTALLED ON THE CATCH BASINS UPON INSTALLATION.

36.) ALL PROPOSED CLEAN OUTS ARE TO BE VERTICAL 12" N-12 PIPE WITH CAST IRON COVERS SCREWED WITH STAINLESS SCREWS. THE COVER IS TO BE DEMARCATED WITH A "D".

37.) ALL TREATMENT SWALE TO BE CONSTRUCTED SHALL HAVE SOD BOTTOMS UNLESS OTHERWISE INSTRUCTED BY THE DESIGN ENGINEER DURING CONSTRUCTION.

38.) A LETTER OF CREDIT FOR THE COST OF RE-VEGETATING ALL DISTURBED AREAS ON THE SITE SHALL BE SUBMITTED PRIOR TO ANY EARTH DISTURBING ACTIVITY OCCURS, AS MAY BE APPLICABLE.

39.) A PRE-CONSTRUCTION CONFERENCE WITH THE DEVELOPER, THE DESIGN ENGINEER, THE EARTHWORK CONTRACTOR AND ROCHESTER DPW AND PLANNING STAFF SHALL OCCUR PRIOR TO ANY EARTH DISTURBING ACTIVITY.

*STANDARD CONSTRUCTION NOTES CONT.:*

40.) BUILDING ADDRESSES SHALL BE DETERMINED BY THE BUILDING OFFICIAL.

41.) THE FOLLOWING FEDERAL AND STATE PERMITS HAVE BEEN ISSUED FOR THE SUBJECT PROPERTY:
NHDES SUBDIVISION PERMIT: (PENDING)
EPA NOTICE OF INTENT (NOI): (PENDING)
NATURAL HERITAGE BUREAU: (PENDING)
NHDOT DRIVEWAY PERMIT: (PENDING)
DIVISION OF HISTORICAL RESOURCES: (PENDING)

42.) WRITTEN DIMENSION ON THIS PLAN TAKE PRECEDENCE OVER SCALED DIMENSIONS. THE CONTRACTOR SHALL USE CAUTION WHEN SCALING REPRODUCED PLANS. IN THE EVENT OF A CONFLICT BETWEEN THIS PLAN SET AND ANY OTHER DRAWINGS AND/OR SPECIFICATIONS, THE ENGINEER SHALL BE NOTIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR IS TO CONFIRM ALL ELEVATIONS. CONFLICTS WILL BE REPORTED TO THE DESIGN ENGINEER PRIOR TO CONSTRUCTION.

43.) IF, DURING CONSTRUCTION, IT BECOMES APPARENT THAT DEFICIENCIES EXIST IN THE APPROVED DESIGN DRAWINGS, THE CONTRACTOR SHALL BE REQUIRED TO CORRECT THE DEFICIENCIES TO MEET THE REQUIREMENTS OF THE REGULATIONS AT NO EXPENSE TO THE CITY.

44.) THIS PLAN PROPOSES 88,000 Sq. Ft. OF DISTURBANCE FOR THE CONSTRUCTION OF THE ROAD AND RAIN GARDENS.

45.) CONTRACTOR IS TO FULLY CONSTRUCT THE ROADWAY, ROADSIDE SWALES AND RAIN GARDENS PRIOR TO ANY RESIDENTIAL LOT CONSTRUCTION.

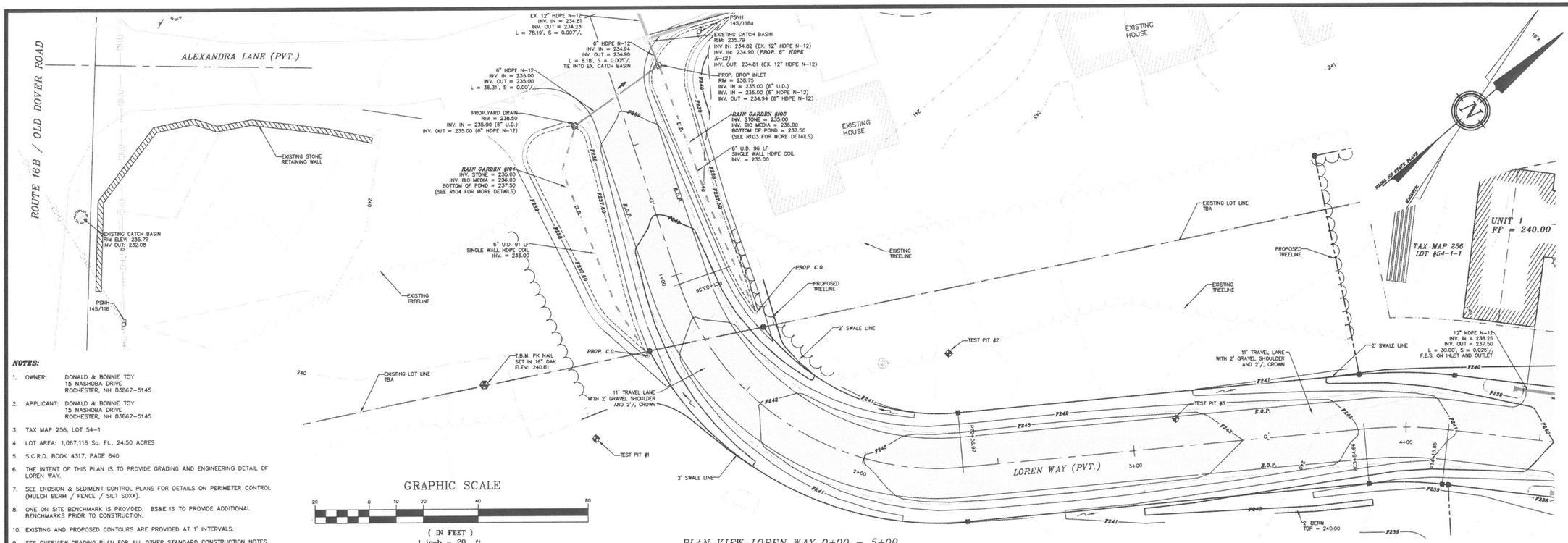
| REVISION | DATE | DESCRIPTION |
|---|---|---|
| | | |

OVERVIEW GRADING PLAN
FOR
DONALD TOY
418 OLD DOVER ROAD
ROCHESTER, N.H.
*TAX MAP 256, LOT 53 & 54-1*


BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (332-2863)


SCALE : 1 IN. EQUALS 50 FT.
DATE : JUNE 11, 2019
FILE NO. : DB 2015 - 151

STATE OF NEW HAMPSHIRE
KENNETH A. BERRY
No. 14243
LICENSED PROFESSIONAL ENGINEER




**NOTES:**

1. OWNER: DONALD & BONNIE TOY
   15 NASHOBA DRIVE
   ROCHESTER, NH 03867-5145
2. APPLICANT: DONALD & BONNIE TOY
   15 NASHOBA DRIVE
   ROCHESTER, NH 03867-5145
3. TAX MAP 256, LOT 54-1
4. LOT AREA: 1,067,116 Sq. Ft., 24.50 ACRES
5. S.C.R.D. BOOK 4317, PAGE 640
6. THE INTENT OF THIS PLAN IS TO PROVIDE GRADING AND ENGINEERING DETAIL OF LOREN WAY.
7. SEE EROSION & SEDIMENT CONTROL PLANS FOR DETAILS ON PERIMETER CONTROL (MULCH BERM / FENCE / SILT SOXX).
8. ONE ON SITE BENCHMARK IS PROVIDED. BS&E IS TO PROVIDE ADDITIONAL BENCHMARKS PRIOR TO CONSTRUCTION.
10. EXISTING AND PROPOSED CONTOURS ARE PROVIDED AT 1' INTERVALS.
9. SEE OVERVIEW GRADING PLAN FOR ALL OTHER STANDARD CONSTRUCTION NOTES.

GRAPHIC SCALE

20 0 10 20 40 80

( IN FEET )
1 inch = 20 ft.

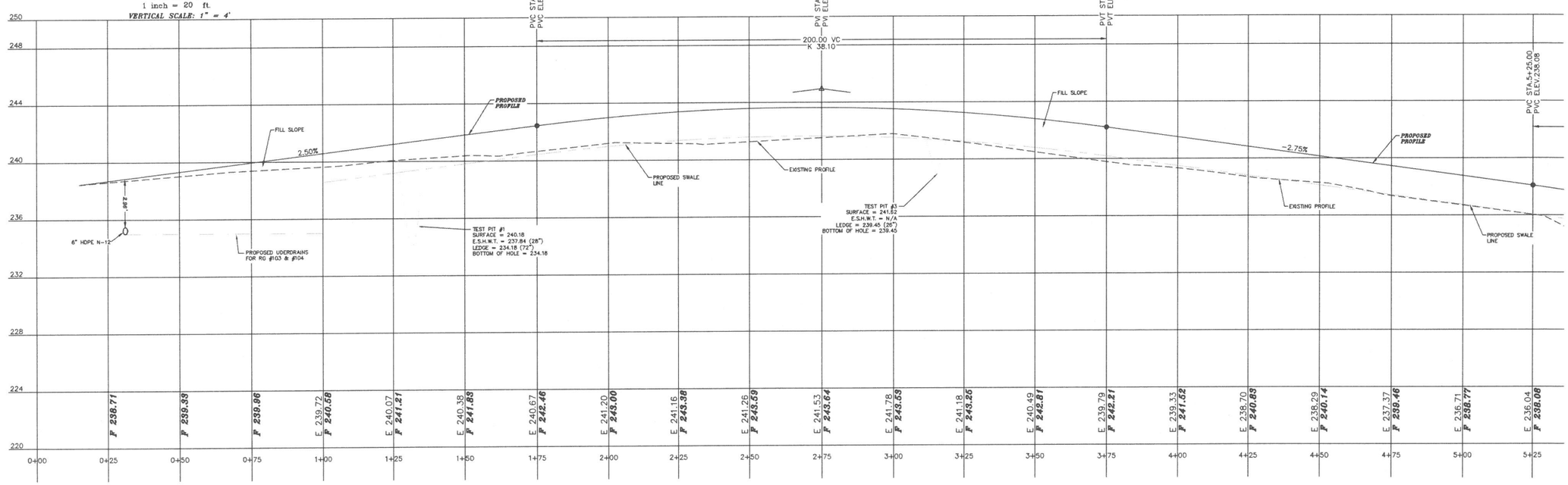
*PLAN VIEW LOREN WAY 0+00 – 5+00*

*PROFILE VIEW LOREN WAY 0+00 – 5+00*

GRAPHIC SCALE

20 0 10 20 40 80

( IN FEET )
1 inch = 20 ft.
*VERTICAL SCALE: 1" = 4'*



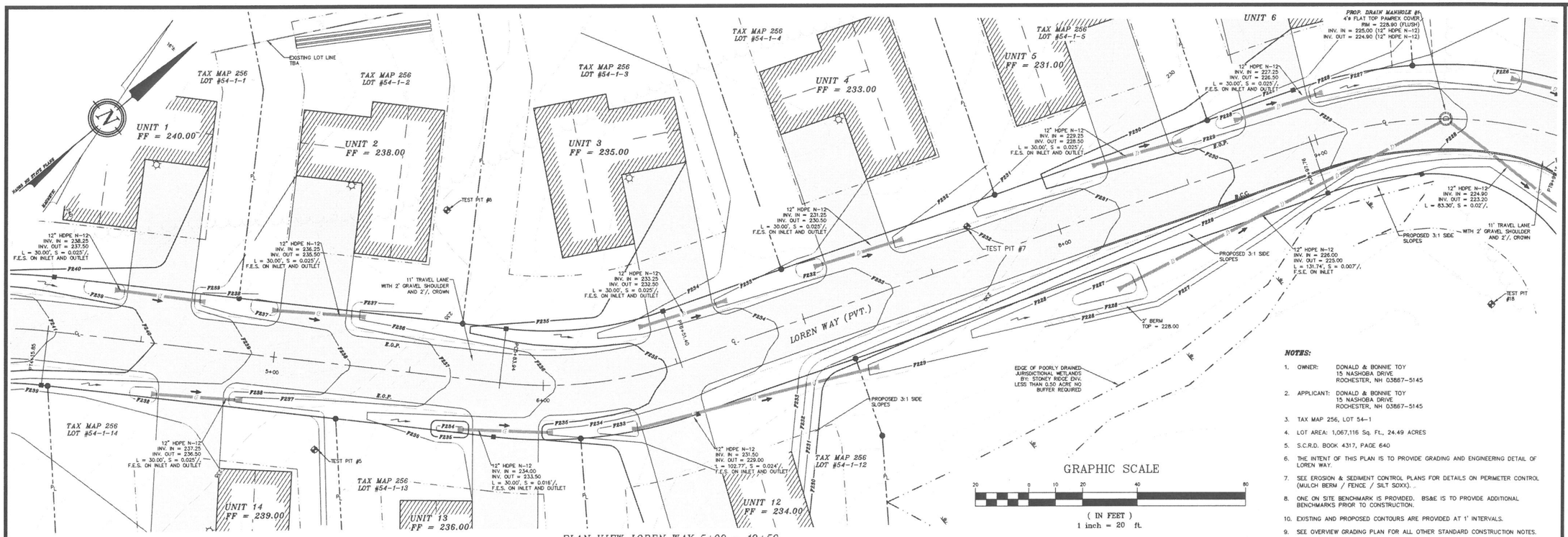

| REVISION | DATE | DESCRIPTION |
|---|---|---|
| | | |

PLAN AND PROFILE LOREN WAY 0+00 TO 5+00
FOR
DONALD TOY
418 OLD DOVER ROAD
ROCHESTER, N.H.
*TAX MAP 256, LOT 53 & 54-1*

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 {332-2863}

SCALE : 1 IN. EQUALS 20 FT.
DATE : JUNE 11, 2019
FILE NO. : DB 2015 - 151

STATE OF NEW HAMPSHIRE
KENNETH A. BERRY
No. 14243
LICENSED PROFESSIONAL ENGINEER

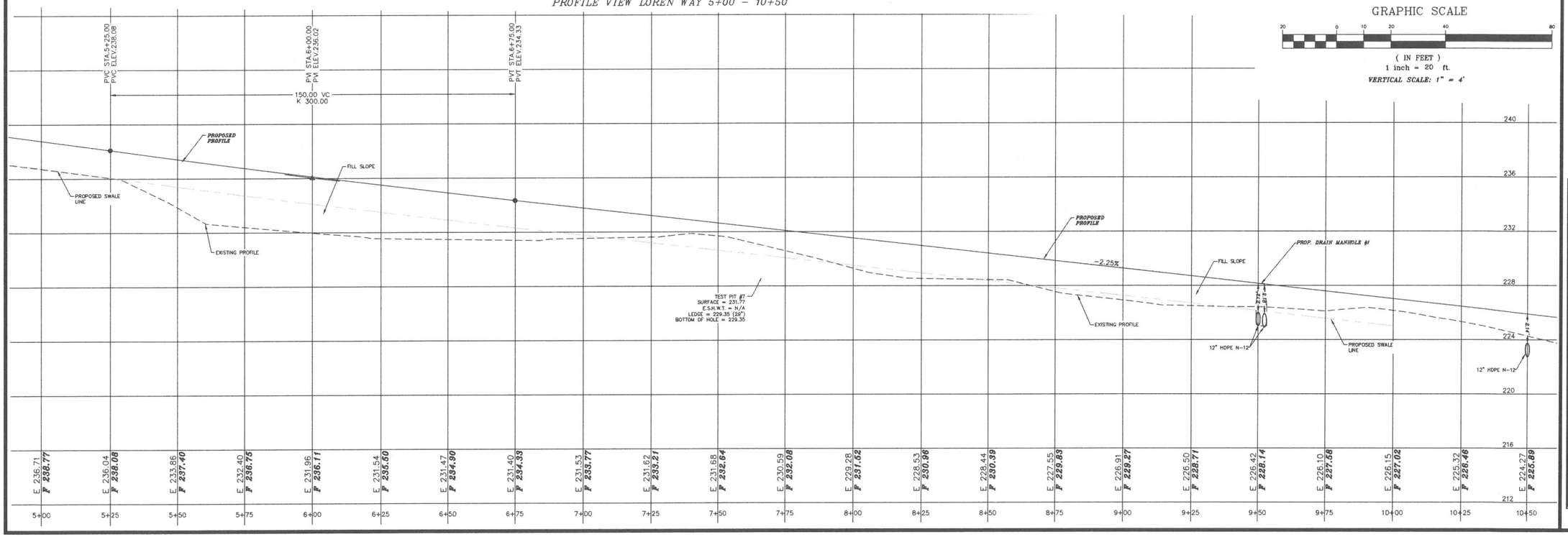



PLAN VIEW LORAN WAY 5+00 – 10+50

**NOTES:**

1. OWNER: DONALD & BONNIE TOY 15 NASHOBA DRIVE ROCHESTER, NH 03867–5145
2. APPLICANT: DONALD & BONNIE TOY 15 NASHOBA DRIVE ROCHESTER, NH 03867–5145
3. TAX MAP 256, LOT 54–1
4. LOT AREA: 1,067,116 Sq. Ft., 24.49 ACRES
5. S.C.R.D. BOOK 4317, PAGE 640
6. THE INTENT OF THIS PLAN IS TO PROVIDE GRADING AND ENGINEERING DETAIL OF LOREN WAY.
7. SEE EROSION & SEDIMENT CONTROL PLANS FOR DETAILS ON PERIMETER CONTROL (MULCH BERM / FENCE / SILT SOXX).
8. ONE ON SITE BENCHMARK IS PROVIDED. BS&E IS TO PROVIDE ADDITIONAL BENCHMARKS PRIOR TO CONSTRUCTION.
10. EXISTING AND PROPOSED CONTOURS ARE PROVIDED AT 1' INTERVALS.
9. SEE OVERVIEW GRADING PLAN FOR ALL OTHER STANDARD CONSTRUCTION NOTES.

PROFILE VIEW LORAN WAY 5+00 – 10+50



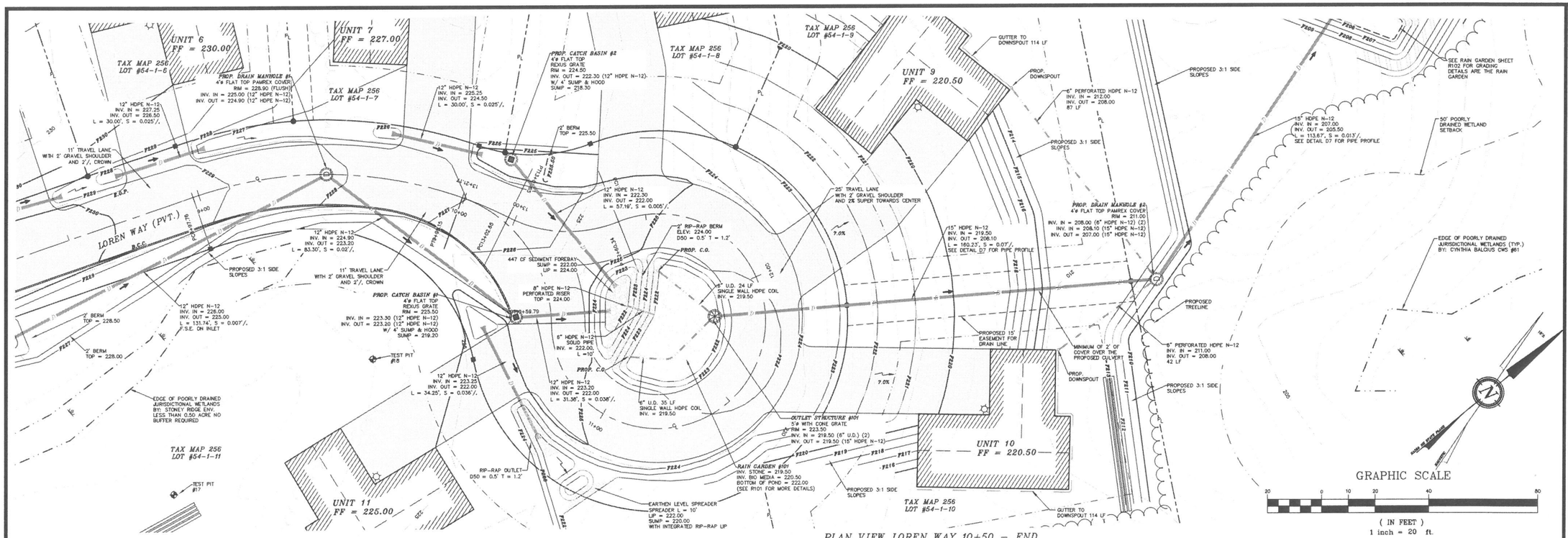

| REVISION | DATE | DESCRIPTION |
|---|---|---|
| | | |

PLAN AND PROFILE LOREN WAY 5+00 TO 10+50
FOR
DONALD TOY
418 OLD DOVER ROAD
ROCHESTER, N.H.
*TAX MAP 256, LOT 53 & 54–1*

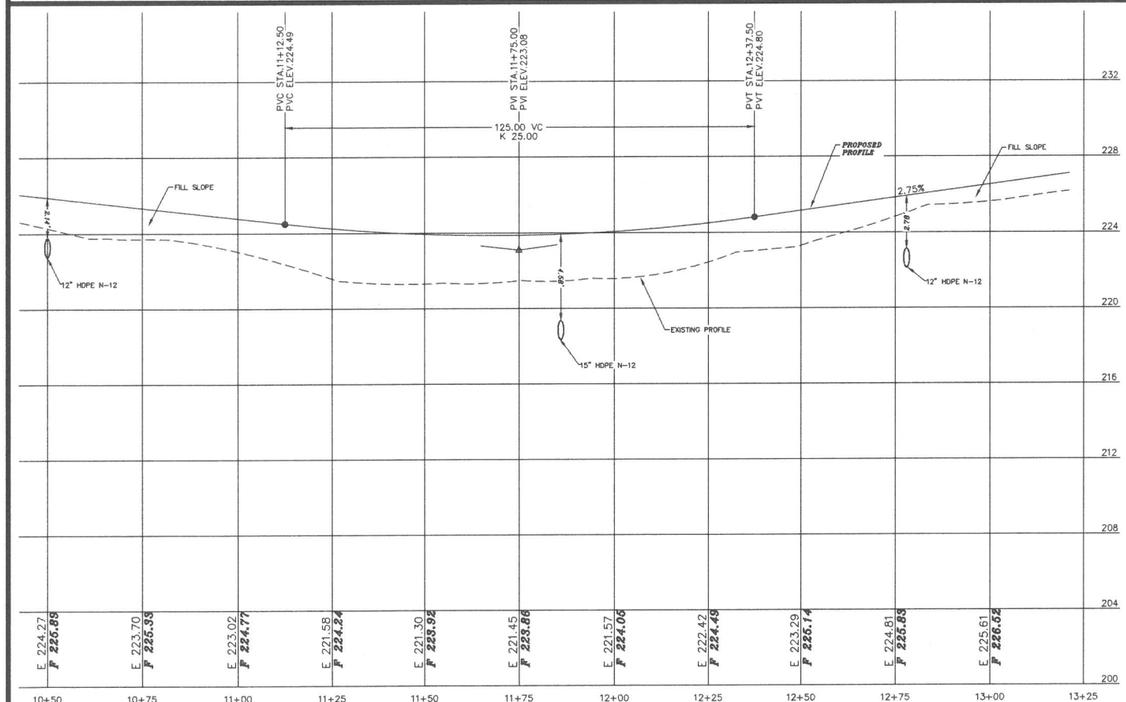

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (332–2863)


SCALE : 1 IN. EQUALS 20 FT.
DATE : JUNE 11, 2019
FILE NO. : DB 2015 – 151

STATE OF NEW HAMPSHIRE
KENNETH A. BERRY
No. 14243
LICENSED PROFESSIONAL ENGINEER




PLAN VIEW LOREN WAY 10+50 – END




PROFILE VIEW LOREN WAY 10+50 – END

***NOTES:***

1. OWNER: DONALD & BONNIE TOY
15 NASHOBA DRIVE
ROCHESTER, NH 03867–5145
2. APPLICANT: DONALD & BONNIE TOY
15 NASHOBA DRIVE
ROCHESTER, NH 03867–5145
3. TAX MAP 256, LOT 54–1
4. LOT AREA: 1,067,116 Sq. Ft., 24.49 ACRES
5. S.C.R.D. BOOK 4317, PAGE 640
6. THE INTENT OF THIS PLAN IS TO PROVIDE GRADING AND ENGINEERING DETAIL OF LOREN WAY.
7. SEE EROSION & SEDIMENT CONTROL PLANS FOR DETAILS ON PERIMETER CONTROL (MULCH BERM / FENCE / SILT SOXX).
8. ONE ON SITE BENCHMARK IS PROVIDED. BS&E IS TO PROVIDE ADDITIONAL BENCHMARKS PRIOR TO CONSTRUCTION.
10. EXISTING AND PROPOSED CONTOURS ARE PROVIDED AT 1' INTERVALS.
9. SEE OVERVIEW GRADING PLAN FOR ALL OTHER STANDARD CONSTRUCTION NOTES.

GRAPHIC SCALE
20 0 10 20 40 80
( IN FEET )
1 inch = 20 ft.

***VERTICAL SCALE: 1" = 4'***

| REVISION | DATE | DESCRIPTION |
|---|---|---|
| | | |

PLAN AND PROFILE LOREN WAY 10+50 TO END
FOR
DONALD TOY
418 OLD DOVER ROAD
ROCHESTER, N.H.
*TAX MAP 256, LOT 53 & 54–1*

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (332–2863)

SCALE : 1 IN. EQUALS 20 FT.
DATE : JUNE 11, 2019
FILE NO. : DB 2015 – 151

STATE OF NEW HAMPSHIRE
KENNETH A. BERRY
No. 14243
LICENSED PROFESSIONAL ENGINEER

| BIORETENTION FILTER MEDIA MIXTURES | | | |
|---|---|---|---|
| Component Material | Percent of Mixture by Volume | Gradation of material | |
| | | Sieve No. | Percent by Weight Passing Standard Sieve |
| Bioretention Filter Media Option A | | | |
| ASTM C-33 concrete sand | 50 to 55 | | |
| Loamy sand topsoil, with fines as indicated | 20 to 30 | 200 | 15 to 25 |
| Moderately fine shredded bark or wood fiber mulch, with fines as indicated | 20 to 30 | 200 | < 5 |

3/8" WASHED CRUSHED STONE*

| SIEVE SIZE | % PASSING BY WEIGHT |
|---|---|
| 1/2" | 100 |
| 3/8" | 95 – 100 |
| # 4 | 22 – 55 |
| # 8 | 0 – 10 |

* EQUIVALENT TO STANDARD WASHED STONE – SECTION 702 OF NHDOT NHDOT STANDARD SPECIFICATIONS

3/4" WASHED CRUSHED STONE*

| SIEVE SIZE | % PASSING BY WEIGHT |
|---|---|
| 1" | 100 |
| 3/4" | 90 – 100 |
| 1/2" | 15 – 55 |
| # 10 | 0 – 5 |

* EQUIVALENT TO STANDARD WASHED STONE – SECTION 702 OF NHDOT NHDOT STANDARD SPECIFICATIONS

***NOTES***

1. WHEN CONTRACTOR EXCAVATES RAIN GARDEN AREA TO SUBGRADE, DESIGN ENGINEER SHALL PERFORM SUBSURFACE EVALUATION PRIOR TO THE PLACEMENT OF ANY SELECT MATERIAL OR OTHER BACKFILL.
2. SOIL BIORETENTION FILTER MEDIA SHALL BE AS SHOWN ABOVE. "BIO MEDIA" MEANS BIORETENTION FILTER MADIA.
3. COMPACTION IS NOT TO OCCUR IN THE RAIN GARDEN AREAS PRIOR TO CONSTRUCTION. SCARIFICATION REQUIRED IN THE EVENT COMPACTION TAKES PLACE.
4. DO NOT PLACE THE BIORETENTION SYSTEM INTO SERVICE UNTIL THE BMP HAS BEEN PLANTED AND ITS CONTRIBUTING AREAS HAVE BEEN FULLY STABILIZED.
5. DO NOT DISCHARGE SEDIMENT-LADEN WATERS FROM CONSTRUCTION ACTIVITIES (RUNOFF WATER FROM EXCAVATIONS) TO THE BIORETENTION AREA DURING ANY STAGE OF CONSTRUCTION.
6. DO NOT TRAFFIC EXPOSED SOIL SURFACE WITH CONSTRUCTION EQUIPMENT. IF FEASIBLE PERFORM EXCAVATIONS WITH EQUIPMENT POSITIONED OUTSIDE THE LIMITS OF THE INFILTRATION COMPONENTS OF THE SYSTEM.

***MAINTENANCE REQUIREMENTS***

1 SYSTEMS SHOULD BE INSPECTED AT LEAST TWICE ANNUALLY, AND FOLLOWING ANY RAINFALL EXCEEDING 2.5 INCHES IN A 24-HOUR PERIOD, WITH MAINTENANCE OR REHABILITATION CONDUCTED AS A WARRANTED BY SUCH INSPECTION.

2 PRETREATMENT MEASURES SHOULD BE INSPECTED AT LEAST TWICE ANNUALLY, AND CLEANED OF ACCUMULATED SEDIMENT AS WARRANTED BY INSPECTION, BUT NO LESS THAN ONCE ANNUALLY.

3 AT LEAST ONCE ANNUALLY, SYSTEM SHOULD BE INSPECTED FOR DRAWDOWN TIME. IF BIORETENTION SYSTEM DOES NOT DRAIN WITHIN 72-HOURS FOLLOWING A RAINFALL EVENT, THEN A QUALIFIED PROFESSIONAL SHOULD ASSESS THE CONDITION OF THE FACILITY TO DETERMINE MEASURES REQUIRED TO RESTORE FILTRATION FUNCTION OR INFILTRATION FUNCTION (AS APPLICABLE), INCLUDING BUT NOT LIMITED TO REMOVAL OF ACCUMULATED SEDIMENTS OR RECONSTRUCTION OF THE FILTER MEDIA.

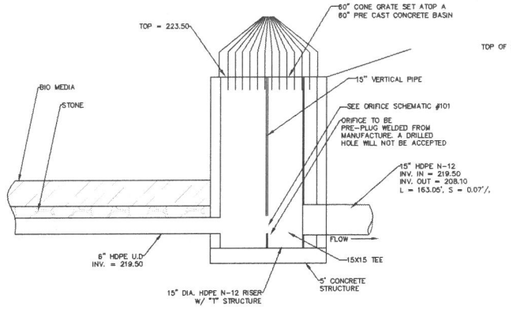
4 VEGETATION SHOULD BE INSPECTED AT LEAST ANNUALLY, AND MAINTAINED IN HEALTHY CONDITION, INCLUDING, PRUNING, REMOVAL, AND REPLACEMENT OF DEAD OR DISEASED VEGETATION, AND REMOVAL OF INVASIVE SPECIES.

DESIGN REFERENCES

1 UNH STORMWATER CENTER
2 NEW HAMPSHIRE STORMWATER MANAGEMENT MANUAL, VOLUME 2, DECEMBER 2008 AS AMENDED.

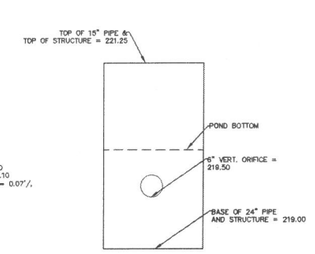
***RAIN GARDEN MIX***

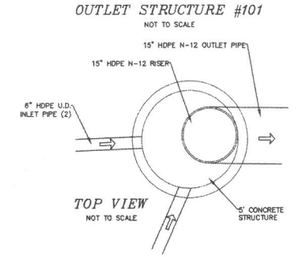
THE GRASS THAT IS PLANTED WITHIN A RAIN GARDEN BIO-FILTRATION SYSTEM WITHIN THE BIO-MEDIA MUST CONSIST OF A COMBINATION OF WARM SEASON GRASS SEED AND COLD SEASON GRASS SEED IN ORDER FOR THE GRASS TO START GROWING FOR STABILIZATION AND CONTINUE GROWING IN THE SANDY WELL-DRAINED ENVIRONMENT. PLANTING SPECIFICATION WILL MEET THE REQUIREMENTS AS OUTLINED IN 'VEGETATION NEW HAMPSHIRE SAND AND GRAVEL PITS' MIX 1 (WARM SEASON GRASSES) (15 LBS/AC) AND INCLUDE ANNUAL AND PERENNIAL RYE GRASS SEED (15 LBS/AC); THE NEW ENGLAND NATIVE WARM SEASON GRASS MIX (23 LBS/AC) BY NEW ENGLAND WETLAND PLANTS, INC.; RAIN GARDEN MIX 180 (15 LBS/AC & 15 LBS/AC OF RYE) / RAIN GARDEN GRASS MIX 180-1 (20 LBS/AC & 10 LBS/AC OF RYE) BY ERNST CONSERVATION SEEDS; OR APPROVED EQUAL.

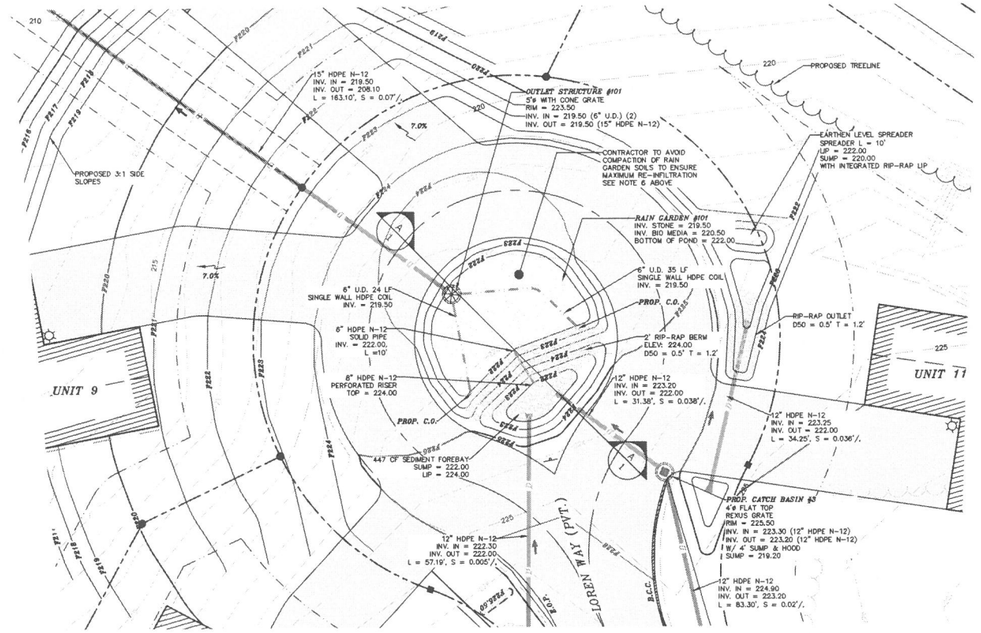



*OUTLET STRUCTURE #101*

NOT TO SCALE



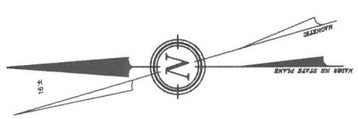



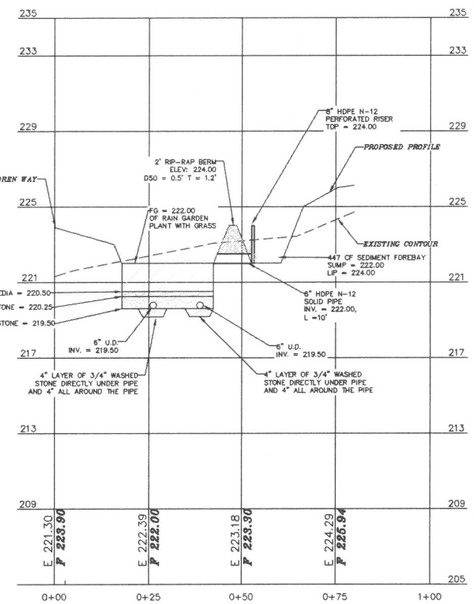

*PLAN VIEW RAIN GARDEN #101*

GRAPHIC SCALE

20 0 10 20 40 80

( IN FEET )
1 inch = 20 ft.




*SECTION OF RAIN GARDEN R101*

A 1 — A 1

GRAPHIC SCALE

20 0 10 20 40 80

( IN FEET )
1 inch = 20 ft.

*VERTICAL SCALE: 1" = 4'*

R101

| REVISION | DATE | DESCRIPTION |
|---|---|---|
| | | |

RAIN GARDEN #101
FOR
DONALD TOY
418 OLD DOVER ROAD
ROCHESTER, N.H.
*TAX MAP 256, LOT 53 & 54-1*


BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (332-2863)


SCALE : 1 IN. EQUALS 20 FT.
DATE : JUNE 11, 2019
FILE NO. : DB 2015 – 151

STATE OF NEW HAMPSHIRE
KENNETH A. BERRY
No. 14243
LICENSED PROFESSIONAL ENGINEER

| BIORETENTION FILTER MEDIA MIXTURES | | | |
|---|---|---|---|
| Component Material | Percent of Mixture by Volume | Gradation of material | |
| | | Sieve No. | Percent by Weight Passing Standard Sieve |
| Bioretention Filter Media Option A | | | |
| ASTM C-33 concrete sand | 50 to 55 | | |
| Loamy sand topsoil, with fines as indicated | 20 to 30 | 200 | 15 to 25 |
| Moderately fine shredded bark or wood fiber mulch, with fines as indicated | 20 to 30 | 200 | < 5 |

3/8" WASHED CRUSHED STONE*

| SIEVE SIZE | % PASSING BY WEIGHT |
|---|---|
| 1/2" | 100 |
| 3/8" | 95 – 100 |
| # 4 | 22 – 55 |
| # 8 | 0 – 10 |

* EQUIVALENT TO STANDARD WASHED STONE – SECTION 702 OF NHDOT NHDOT STANDARD SPECIFICATIONS

3/4" WASHED CRUSHED STONE*

| SIEVE SIZE | % PASSING BY WEIGHT |
|---|---|
| 1" | 100 |
| 3/4" | 90 – 100 |
| 1/2" | 15 – 55 |
| # 10 | 0 –5 |

* EQUIVALENT TO STANDARD WASHED STONE – SECTION 702 OF NHDOT NHDOT STANDARD SPECIFICATIONS

*NOTES*

1. WHEN CONTRACTOR EXCAVATES RAIN GARDEN AREA TO SUBGRADE, DESIGN ENGINEER SHALL PERFORM SUBSURFACE EVALUATION PRIOR TO THE PLACEMENT OF ANY SELECT MATERIAL OR OTHER BACKFILL.
2. SOIL BIORETENTION FILTER MEDIA SHALL BE AS SHOWN ABOVE. "BIO MEDIA" MEANS BIORETENTION FILTER MADIA.
3. COMPACTION IS NOT TO OCCUR IN THE RAIN GARDEN AREAS PRIOR TO CONSTRUCTION. SCARIFICATION REQUIRED IN THE EVENT COMPACTION TAKES PLACE.
4. DO NOT PLACE THE BIORETENTION SYSTEM INTO SERVICE UNTIL THE BMP HAS BEEN PLANTED AND ITS CONTRIBUTING AREAS HAVE BEEN FULLY STABILIZED.
5. DO NOT DISCHARGE SEDIMENT-LADEN WATERS FROM CONSTRUCTION ACTIVITIES (RUNOFF WATER FROM EXCAVATIONS) TO THE BIORETENTION AREA DURING ANY STAGE OF CONSTRUCTION.
6. DO NOT TRAFFIC EXPOSED SOIL SURFACE WITH CONSTRUCTION EQUIPMENT. IF FEASIBLE PERFORM EXCAVATIONS WITH EQUIPMENT POSITIONED OUTSIDE THE LIMITS OF THE INFILTRATION COMPONENTS OF THE SYSTEM.

*MAINTENANCE REQUIREMENTS*

1 SYSTEMS SHOULD BE INSPECTED AT LEAST TWICE ANNUALLY, AND FOLLOWING ANY RAINFALL EXCEEDING 2.5 INCHES IN A 24-HOUR PERIOD, WITH MAINTENANCE OR REHABILITATION CONDUCTED AS A WARRANTED BY SUCH INSPECTION.

2 PRETREATMENT MEASURES SHOULD BE INSPECTED AT LEAST TWICE ANNUALLY, AND CLEANED OF ACCUMULATED SEDIMENT AS WARRANTED BY INSPECTION, BUT NO LESS THAN ONCE ANNUALLY.

3 AT LEAST ONCE ANNUALLY, SYSTEM SHOULD BE INSPECTED FOR DRAWDOWN TIME. IF BIORETENTION SYSTEM DOES NOT DRAIN WITHIN 72-HOURS FOLLOWING A RAINFALL EVENT, THEN A QUALIFIED PROFESSIONAL SHOULD ASSESS THE CONDITION OF THE FACILITY TO DETERMINE MEASURES REQUIRED TO RESTORE FILTRATION FUNCTION OR INFILTRATION FUNCTION (AS APPLICABLE), INCLUDING BUT NOT LIMITED TO REMOVAL OF ACCUMULATED SEDIMENTS OR RECONSTRUCTION OF THE FILTER MEDIA.

4 VEGETATION SHOULD BE INSPECTED AT LEAST ANNUALLY, AND MAINTAINED IN HEALTHY CONDITION, INCLUDING, PRUNING, REMOVAL, AND REPLACEMENT OF DEAD OR DISEASED VEGETATION, AND REMOVAL OF INVASIVE SPECIES.

DESIGN REFERENCES

1 UNH STORMWATER CENTER
2 NEW HAMPSHIRE STORMWATER MANAGEMENT MANUAL, VOLUME 2, DECEMBER 2008 AS AMENDED.

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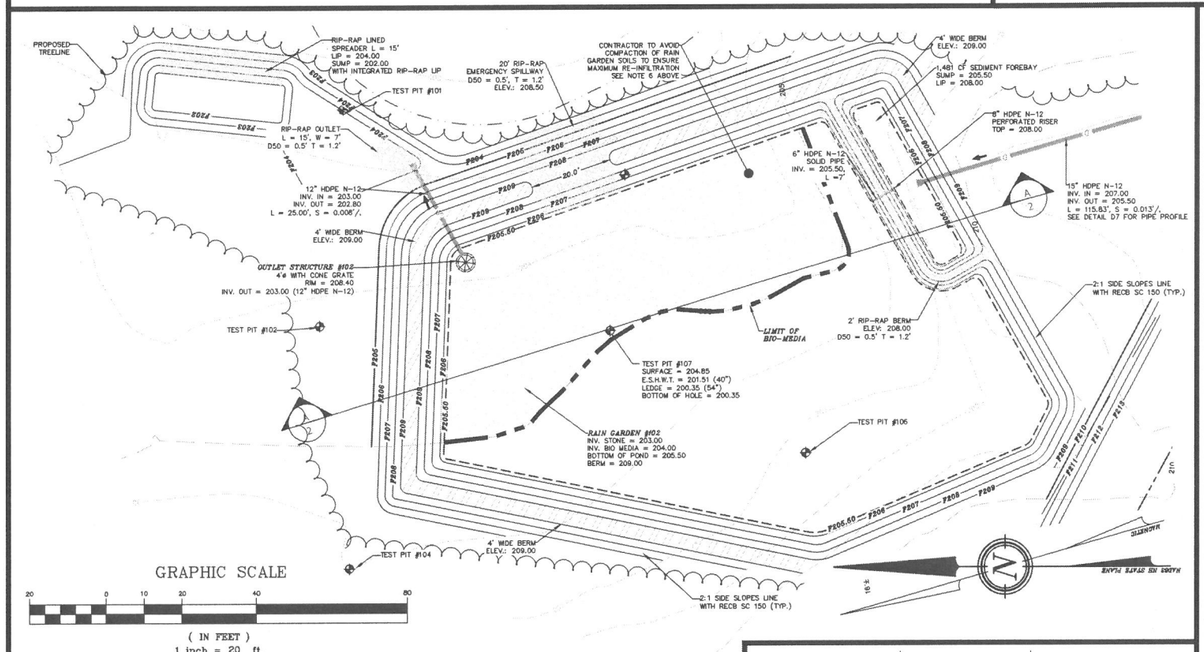
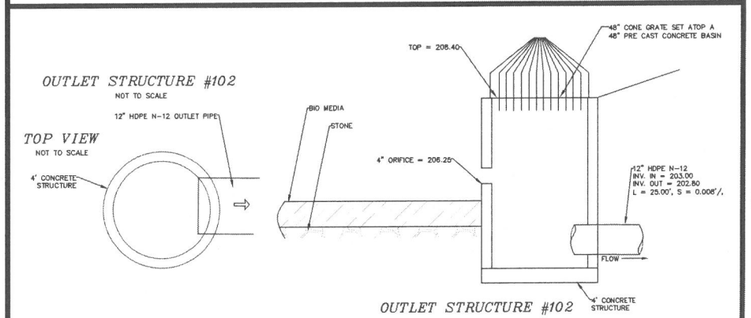
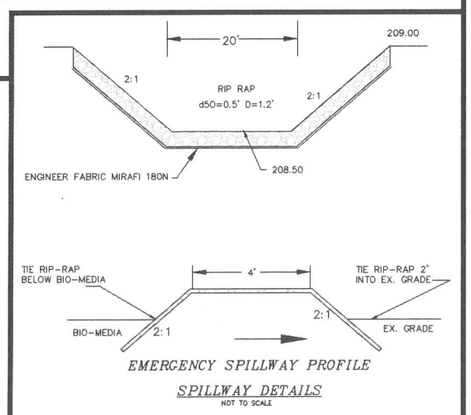



*PLAN VIEW RAIN GARDEN #102*

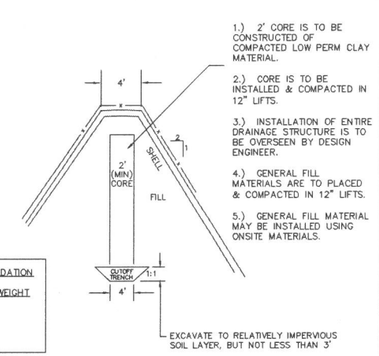



*EMERGENCY SPILLWAY PROFILE*

*SPILLWAY DETAILS*

NOT TO SCALE




LOW PERMEABILITY MATERIAL GRADATION

| SIEVE SIZE | % PASSING BY WEIGHT |
|---|---|
| #4 | 95 – 100 |
| #40 | 60 – 95 |
| #100 | 40 – 60 |
| #200 | 25 – 45 |

1.) 2' CORE IS TO BE CONSTRUCTED OF COMPACTED LOW PERM CLAY MATERIAL.

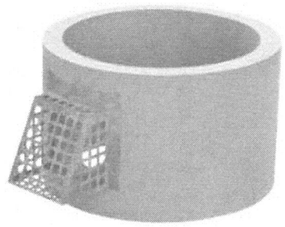
2.) CORE IS TO BE INSTALLED & COMPACTED IN 12" LIFTS.

3.) INSTALLATION OF ENTIRE DRAINAGE STRUCTURE IS TO BE OVERSEEN BY DESIGN ENGINEER.

4.) GENERAL FILL MATERIALS ARE TO PLACED & COMPACTED IN 12" LIFTS.

5.) GENERAL FILL MATERIAL MAY BE INSTALLED USING ONSITE MATERIALS.

## Angle Grates For Manholes



**AG0808-58**
**Part No.** AG0808-58

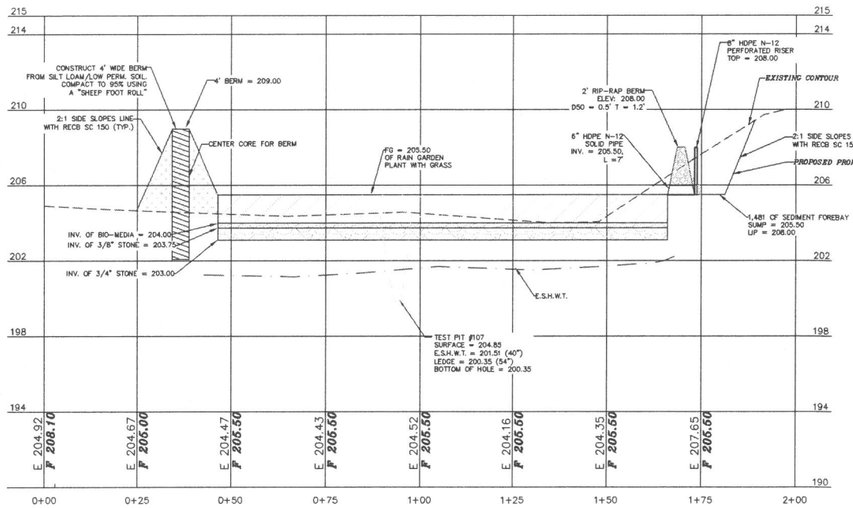
Save Trees

Angle Grates are designed to cover inlet orifices and prevent small to medium debris from passing through. The top angled design helps to minimize the amount of debris that settles on top after the water receeds. All grates are made from plate for a clean and smooth contact surface.

- Plate design for a clean appearance
- Standard 2" openings (other sizes can be made)
- Angled top/front plate to maximize debris deflection
- Mounting flanges on 3 sides allows grate to be mounted at floor level inverts
- Galvanized steel construction. Can be made from aluminum or stainless steel.

MUST BE HAALA INDUSTRIES INC. OR EQUAL.

*ANGLE GRATE*




*SECTION OF RAIN GARDEN R102*

GRAPHIC SCALE
20 0 10 20 40 80
( IN FEET )
1 inch = 20 ft.
*VERTICAL SCALE: 1" = 4'*

R102

| REVISION | DATE | DESCRIPTION |
|---|---|---|
| | | |

RAIN GARDEN #102
FOR
DONALD TOY
418 OLD DOVER ROAD
ROCHESTER, N.H.
*TAX MAP 256, LOT 53 & 54-1*


BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (332-2863)


SCALE : 1 IN. EQUALS 20 FT.
DATE : JUNE 11, 2019
FILE NO. : DB 2015 – 151

STATE OF NEW HAMPSHIRE
KENNETH A. BERRY
No. 14243
LICENSED PROFESSIONAL ENGINEER

| BIORETENTION FILTER MEDIA MIXTURES | | | |
|---|---|---|---|
| Component Material | Percent of Mixture by Volume | Gradation of material | |
| | | Sieve No. | Percent by Weight Passing Standard Sieve |
| Bioretention Filter Media Option A | | | |
| ASTM C-33 concrete sand | 50 to 55 | | |
| Loamy sand topsoil, with fines as indicated | 20 to 30 | 200 | 15 to 25 |
| Moderately fine shredded bark or wood fiber mulch, with fines as indicated | 20 to 30 | 200 | < 5 |

3/8" WASHED CRUSHED STONE*

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| # 8 | 0 – 10 |

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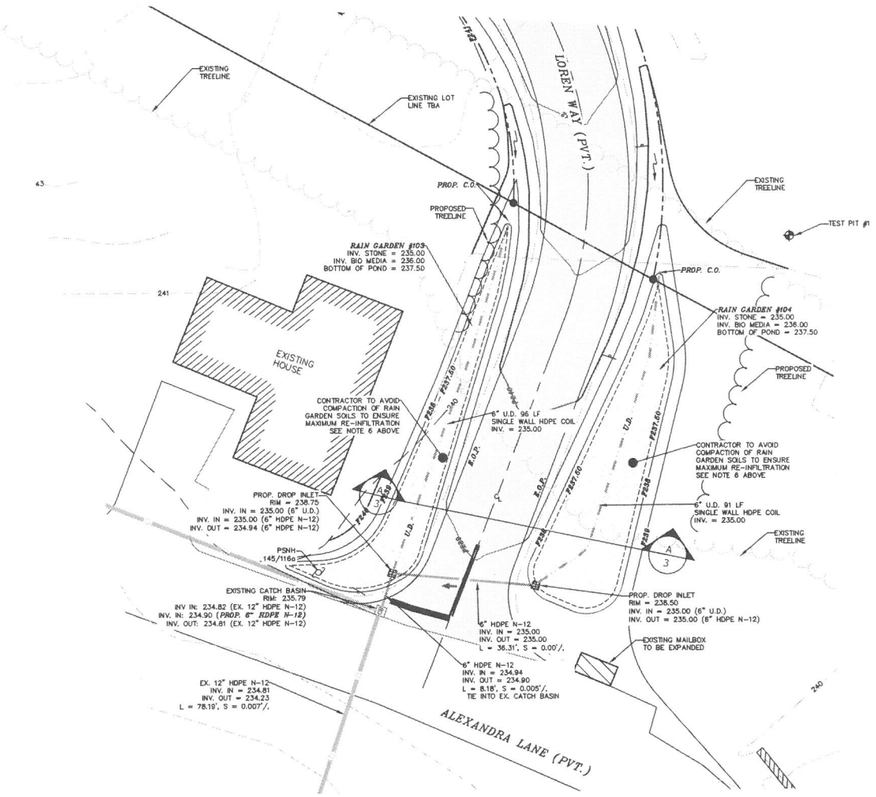
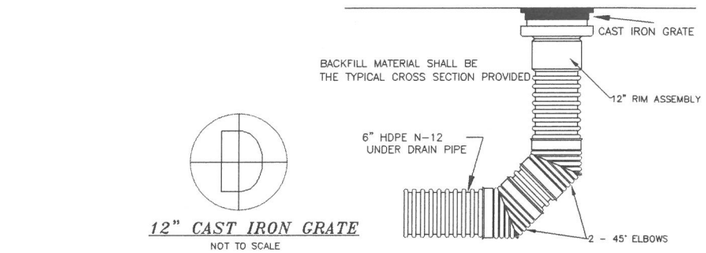



*PLAN VIEW RAIN GARDENS #103 & #104*

GRAPHIC SCALE

20 0 10 20 40 80

( IN FEET )
1 inch = 20 ft.




*12" CAST IRON GRATE*

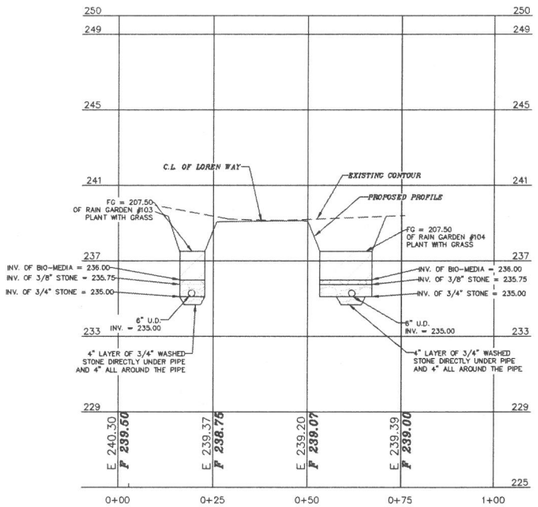
NOT TO SCALE

CASTINGS ARE RATED FOR H20 WHEEL LOAD TRAFFIC

PAINT: CASTINGS ARE FURNISHED WITH A BLACK PAINT

*ADS N-12 INLINE DRAIN*

NOT TO SCALE USED FOR CLEANOUTS




*SECTION OF RAIN GARDENS R103 & R104*

A 3 A 3

GRAPHIC SCALE

20 0 10 20 40 80

( IN FEET )
1 inch = 20 ft.

*VERTICAL SCALE: 1" = 4'*

R103

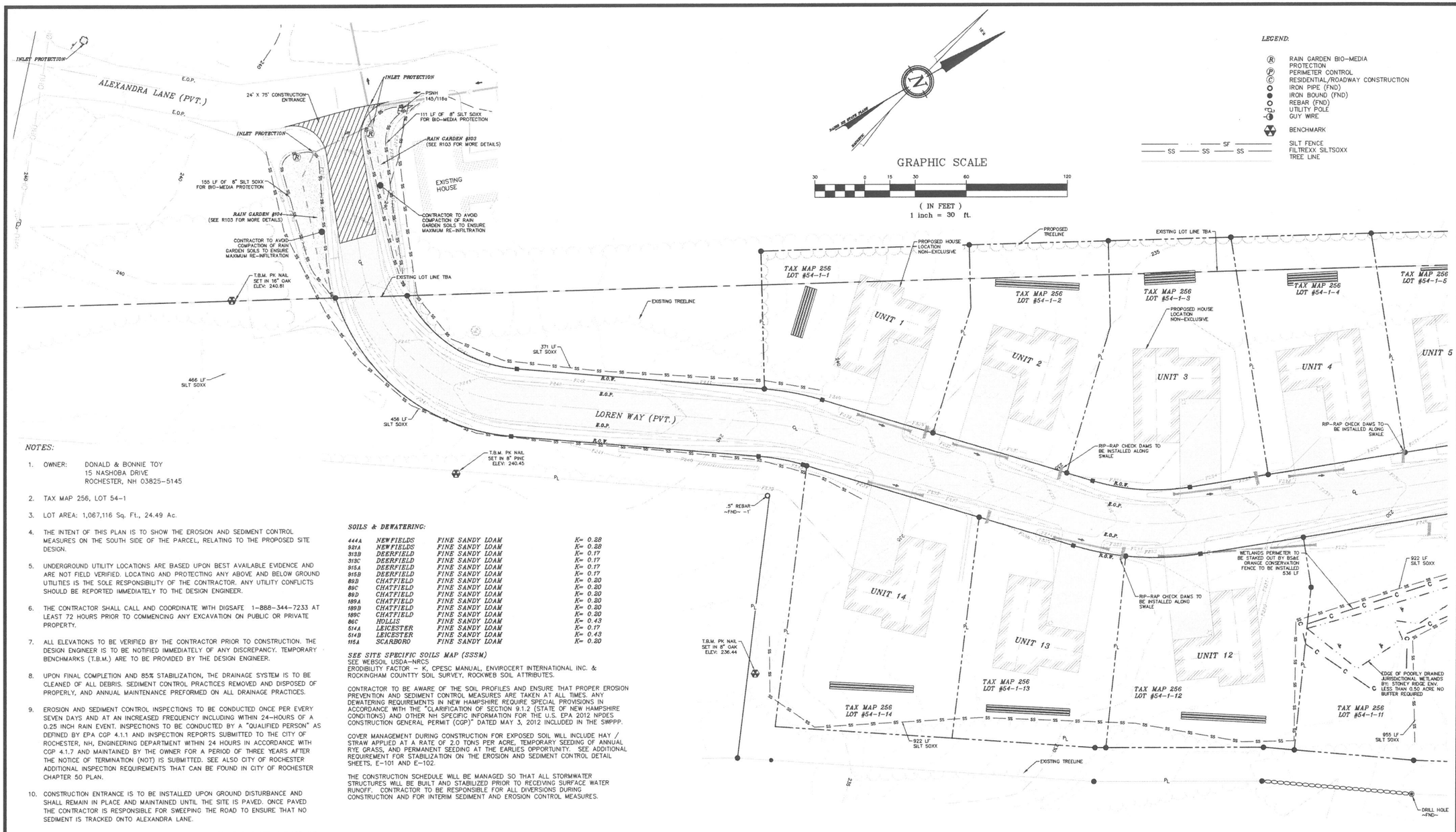
| REVISION | DATE | DESCRIPTION |
|---|---|---|
| | | |

RAIN GARDENS #103 & #104
FOR
DONALD TOY
418 OLD DOVER ROAD
ROCHESTER, N.H.
*TAX MAP 256, LOT 53 & 54-1*


BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (332-2863)


SCALE : 1 IN. EQUALS 20 FT.
DATE : JUNE 11, 2019
FILE NO. : DB 2015 – 151

STATE OF NEW HAMPSHIRE
KENNETH A. BERRY
No. 14243
LICENSED PROFESSIONAL ENGINEER




GRAPHIC SCALE

30 0 15 30 60 120

( IN FEET )
1 inch = 30 ft.

*LEGEND:*

- (R) RAIN GARDEN BIO-MEDIA PROTECTION
- (P) PERIMETER CONTROL
- (C) RESIDENTIAL/ROADWAY CONSTRUCTION
- IRON PIPE (FND)
- IRON BOUND (FND)
- REBAR (FND)
- UTILITY POLE
- GUY WIRE
- BENCHMARK
- SF — SILT FENCE
- SS — FILTREXX SILTSOXX
- TREE LINE

*NOTES:*

1. OWNER: DONALD & BONNIE TOY
   15 NASHOBA DRIVE
   ROCHESTER, NH 03825-5145
2. TAX MAP 256, LOT 54-1
3. LOT AREA: 1,067,116 Sq. Ft., 24.49 Ac.
4. THE INTENT OF THIS PLAN IS TO SHOW THE EROSION AND SEDIMENT CONTROL MEASURES ON THE SOUTH SIDE OF THE PARCEL, RELATING TO THE PROPOSED SITE DESIGN.
5. UNDERGROUND UTILITY LOCATIONS ARE BASED UPON BEST AVAILABLE EVIDENCE AND ARE NOT FIELD VERIFIED. LOCATING AND PROTECTING ANY ABOVE AND BELOW GROUND UTILITIES IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. ANY UTILITY CONFLICTS SHOULD BE REPORTED IMMEDIATELY TO THE DESIGN ENGINEER.
6. THE CONTRACTOR SHALL CALL AND COORDINATE WITH DIGSAFE 1-888-344-7233 AT LEAST 72 HOURS PRIOR TO COMMENCING ANY EXCAVATION ON PUBLIC OR PRIVATE PROPERTY.
7. ALL ELEVATIONS TO BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. THE DESIGN ENGINEER IS TO BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCY. TEMPORARY BENCHMARKS (T.B.M.) ARE TO BE PROVIDED BY THE DESIGN ENGINEER.
8. UPON FINAL COMPLETION AND 85% STABILIZATION, THE DRAINAGE SYSTEM IS TO BE CLEANED OF ALL DEBRIS. SEDIMENT CONTROL PRACTICES REMOVED AND DISPOSED OF PROPERLY, AND ANNUAL MAINTENANCE PREFORMED ON ALL DRAINAGE PRACTICES.
9. EROSION AND SEDIMENT CONTROL INSPECTIONS TO BE CONDUCTED ONCE PER EVERY SEVEN DAYS AND AT AN INCREASED FREQUENCY INCLUDING WITHIN 24-HOURS OF A 0.25 INCH RAIN EVENT. INSPECTIONS TO BE CONDUCTED BY A "QUALIFIED PERSON" AS DEFINED BY EPA CGP 4.1.1 AND INSPECTION REPORTS SUBMITTED TO THE CITY OF ROCHESTER, NH, ENGINEERING DEPARTMENT WITHIN 24 HOURS IN ACCORDANCE WITH CGP 4.1.7 AND MAINTAINED BY THE OWNER FOR A PERIOD OF THREE YEARS AFTER THE NOTICE OF TERMINATION (NOT) IS SUBMITTED. SEE ALSO CITY OF ROCHESTER ADDITIONAL INSPECTION REQUIREMENTS THAT CAN BE FOUND IN CITY OF ROCHESTER CHAPTER 50 PLAN.
10. CONSTRUCTION ENTRANCE IS TO BE INSTALLED UPON GROUND DISTURBANCE AND SHALL REMAIN IN PLACE AND MAINTAINED UNTIL THE SITE IS PAVED. ONCE PAVED THE CONTRACTOR IS RESPONSIBLE FOR SWEEPING THE ROAD TO ENSURE THAT NO SEDIMENT IS TRACKED ONTO ALEXANDRA LANE.
11. INLET PROTECTION SHALL BE INSTALLED ONCE THE CATCH BASINS ARE IN PLACE AND SHALL REMAIN INSTALLED UNTIL CONSTRUCTION HAS CEASED. CONTRACTOR SHALL MAINTAIN THE INLET PROTECTION THROUGHOUT THE CONSTRUCTION PROCESS.
12. PERIMETER CONTROL IS TO BE INSTALLED PRIOR TO ANY EARTH DISTURBING ACTIVITIES. ONCE INSTALLED THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING IT THROUGHOUT THE CONSTRUCTION PROCESS. ADDITIONAL PERIMETER CONTROL MAY BE REQUIRED.
13. CONTRACTOR IS TO FULLY CONSTRUCT AND STABILIZE THE ROADWAY, ROAD SIDE SWALES AND RAIN GARDENS PRIOR TO RESIDENTIAL LOT CONSTRUCTION.
14. SEE EROSION AND SEDIMENT CONTROL PLAN NORTH FOR PROPOSED SOTCKPILE LOCATIONS.

*SOILS & DEWATERING:*

| | | | |
|---|---|---|---|
| 444A | NEWFIELDS | FINE SANDY LOAM | K= 0.28 |
| 921A | NEWFIELDS | FINE SANDY LOAM | K= 0.28 |
| 313B | DEERFIELD | FINE SANDY LOAM | K= 0.17 |
| 313C | DEERFIELD | FINE SANDY LOAM | K= 0.17 |
| 915A | DEERFIELD | FINE SANDY LOAM | K= 0.17 |
| 915B | DEERFIELD | FINE SANDY LOAM | K= 0.17 |
| 86B | CHATFIELD | FINE SANDY LOAM | K= 0.20 |
| 86C | CHATFIELD | FINE SANDY LOAM | K= 0.20 |
| 86D | CHATFIELD | FINE SANDY LOAM | K= 0.20 |
| 189A | CHATFIELD | FINE SANDY LOAM | K= 0.20 |
| 189B | CHATFIELD | FINE SANDY LOAM | K= 0.20 |
| 189C | CHATFIELD | FINE SANDY LOAM | K= 0.20 |
| 86C | HOLLIS | FINE SANDY LOAM | K= 0.43 |
| 514A | LEICESTER | FINE SANDY LOAM | K= 0.17 |
| 514B | LEICESTER | FINE SANDY LOAM | K= 0.43 |
| 115A | SCARBORO | FINE SANDY LOAM | K= 0.20 |

*SEE SITE SPECIFIC SOILS MAP (SSSM)*
SEE WEBSOIL USDA-NRCS
ERODIBILITY FACTOR - K, CPESC MANUAL, ENVIROCERT INTERNATIONAL INC. & ROCKINGHAM COUNTTY SOIL SURVEY, ROCKWEB SOIL ATTRIBUTES.

CONTRACTOR TO BE AWARE OF THE SOIL PROFILES AND ENSURE THAT PROPER EROSION PREVENTION AND SEDIMENT CONTROL MEASURES ARE TAKEN AT ALL TIMES. ANY DEWATERING REQUIREMENTS IN NEW HAMPSHIRE REQUIRE SPECIAL PROVISIONS IN ACCORDANCE WITH THE "CLARIFICATION OF SECTION 9.1.2 (STATE OF NEW HAMPSHIRE CONDITIONS) AND OTHER NH SPECIFIC INFORMATION FOR THE U.S. EPA 2012 NPDES CONSTRUCTION GENERAL PERMIT (CGP)" DATED MAY 3, 2012 INCLUDED IN THE SWPPP.

COVER MANAGEMENT DURING CONSTRUCTION FOR EXPOSED SOIL WILL INCLUDE HAY / STRAW APPLIED AT A RATE OF 2.0 TONS PER ACRE, TEMPORARY SEEDING OF ANNUAL RYE GRASS, AND PERMANENT SEEDING AT THE EARLIES OPPORTUNITY. SEE ADDITIONAL REQUIREMENT FOR STABILIZATION ON THE EROSION AND SEDIMENT CONTROL DETAIL SHEETS, E-101 AND E-102.

THE CONSTRUCTION SCHEDULE WILL BE MANAGED SO THAT ALL STORMWATER STRUCTURES WILL BE BUILT AND STABILIZED PRIOR TO RECEIVING SURFACE WATER RUNOFF. CONTRACTOR TO BE RESPONSIBLE FOR ALL DIVERSIONS DURING CONSTRUCTION AND FOR INTERIM SEDIMENT AND EROSION CONTROL MEASURES.

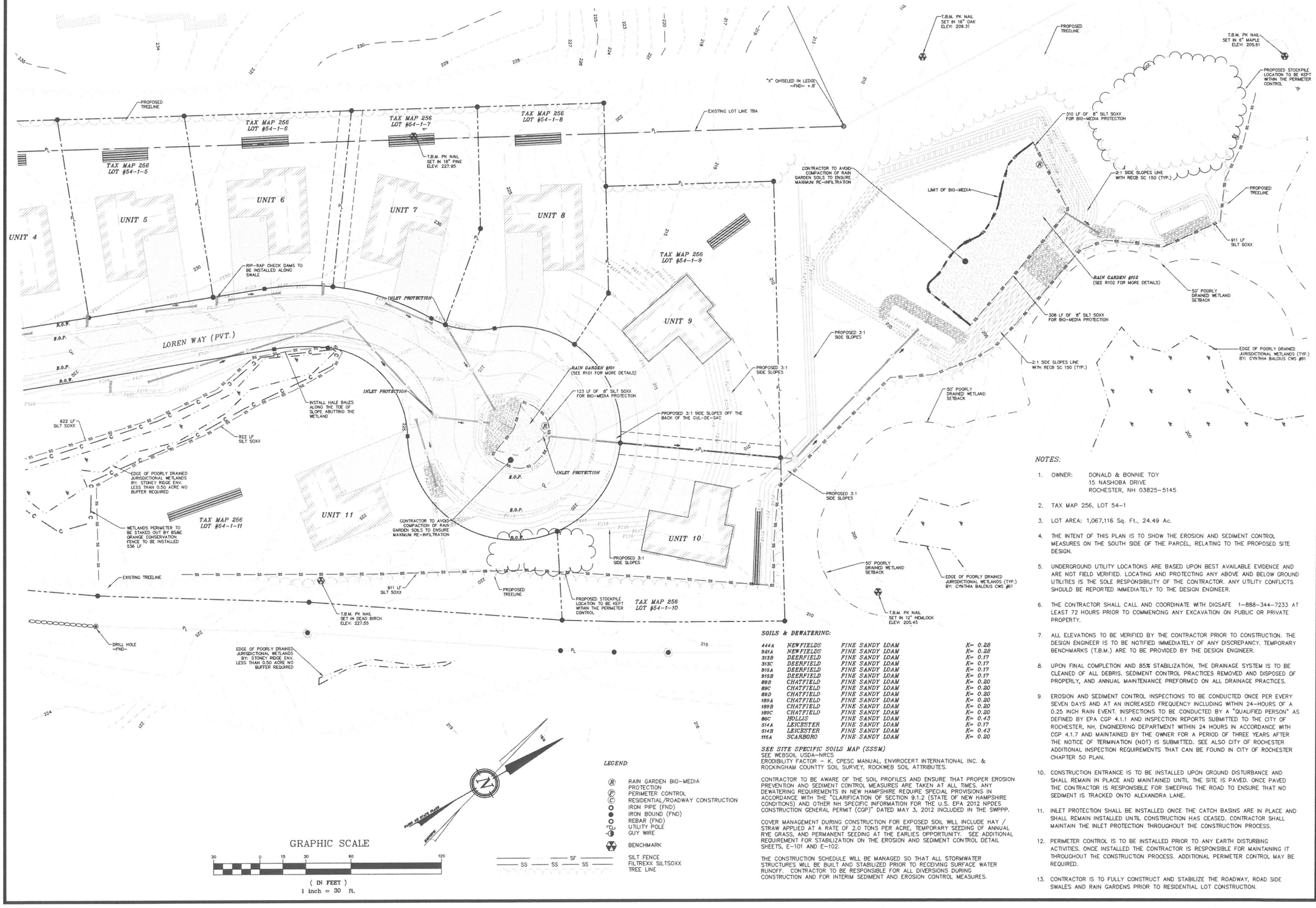
| REVISION | DATE | DESCRIPTION |
|---|---|---|
| | | |

EROSION AND SEDIMENT CONTROL PLAN SOUTH
FOR
DONALD TOY
418 OLD DOVER ROAD
ROCHESTER, N.H.
*TAX MAP 256, LOT 53 & 54-1*


BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (332-2863)


SCALE : 1 IN. EQUALS 30 FT.
DATE : JUNE 11, 2019
FILE NO. : DB 2015 - 151

STATE OF NEW HAMPSHIRE
KENNETH A. BERRY No. 14243
LICENSED PROFESSIONAL ENGINEER




*SOILS & DEWATERING:*

| | | | |
|---|---|---|---|
| *444A* | *NEWFIELDS* | *FINE SANDY LOAM* | *K= 0.28* |
| *921A* | *NEWFIELDS* | *FINE SANDY LOAM* | *K= 0.28* |
| *313B* | *DEERFIELD* | *FINE SANDY LOAM* | *K= 0.17* |
| *313C* | *DEERFIELD* | *FINE SANDY LOAM* | *K= 0.17* |
| *915A* | *DEERFIELD* | *FINE SANDY LOAM* | *K= 0.17* |
| *915B* | *DEERFIELD* | *FINE SANDY LOAM* | *K= 0.17* |
| *89B* | *CHATFIELD* | *FINE SANDY LOAM* | *K= 0.20* |
| *89C* | *CHATFIELD* | *FINE SANDY LOAM* | *K= 0.20* |
| *89D* | *CHATFIELD* | *FINE SANDY LOAM* | *K= 0.20* |
| *189A* | *CHATFIELD* | *FINE SANDY LOAM* | *K= 0.20* |
| *189B* | *CHATFIELD* | *FINE SANDY LOAM* | *K= 0.20* |
| *189C* | *CHATFIELD* | *FINE SANDY LOAM* | *K= 0.20* |
| *86C* | *HOLLIS* | *FINE SANDY LOAM* | *K= 0.43* |
| *514A* | *LEICESTER* | *FINE SANDY LOAM* | *K= 0.17* |
| *514B* | *LEICESTER* | *FINE SANDY LOAM* | *K= 0.43* |
| *115A* | *SCARBORO* | *FINE SANDY LOAM* | *K= 0.20* |

*SEE SITE SPECIFIC SOILS MAP (SSSM)*
SEE WEBSOIL USDA-NRCS
ERODIBILITY FACTOR - K, CPESC MANUAL, ENVIROCERT INTERNATIONAL INC. & ROCKINGHAM COUNTY SOIL SURVEY, ROCKWEB SOIL ATTRIBUTES.

CONTRACTOR TO BE AWARE OF THE SOIL PROFILES AND ENSURE THAT PROPER EROSION PREVENTION AND SEDIMENT CONTROL MEASURES ARE TAKEN AT ALL TIMES. ANY DEWATERING REQUIREMENTS IN NEW HAMPSHIRE REQUIRE SPECIAL PROVISIONS IN ACCORDANCE WITH THE "CLARIFICATION OF SECTION 9.1.2 (STATE OF NEW HAMPSHIRE CONDITIONS) AND OTHER NH SPECIFIC INFORMATION FOR THE U.S. EPA 2012 NPDES CONSTRUCTION GENERAL PERMIT (CGP)" DATED MAY 3, 2012 INCLUDED IN THE SWPPP.

COVER MANAGEMENT DURING CONSTRUCTION FOR EXPOSED SOIL WILL INCLUDE HAY / STRAW APPLIED AT A RATE OF 2.0 TONS PER ACRE, TEMPORARY SEEDING OF ANNUAL RYE GRASS, AND PERMANENT SEEDING AT THE EARLIES OPPORTUNITY. SEE ADDITIONAL REQUIREMENT FOR STABILIZATION ON THE EROSION AND SEDIMENT CONTROL DETAIL SHEETS, E-101 AND E-102.

THE CONSTRUCTION SCHEDULE WILL BE MANAGED SO THAT ALL STORMWATER STRUCTURES WILL BE BUILT AND STABILIZED PRIOR TO RECEIVING SURFACE WATER RUNOFF. CONTRACTOR TO BE RESPONSIBLE FOR ALL DIVERSIONS DURING CONSTRUCTION AND FOR INTERIM SEDIMENT AND EROSION CONTROL MEASURES.

*NOTES:*

1. OWNER: DONALD & BONNIE TOY
   15 NASHOBA DRIVE
   ROCHESTER, NH 03825-5145
2. TAX MAP 256, LOT 54-1
3. LOT AREA: 1,067,116 Sq. Ft., 24.49 Ac.
4. THE INTENT OF THIS PLAN IS TO SHOW THE EROSION AND SEDIMENT CONTROL MEASURES ON THE SOUTH SIDE OF THE PARCEL, RELATING TO THE PROPOSED SITE DESIGN.
5. UNDERGROUND UTILITY LOCATIONS ARE BASED UPON BEST AVAILABLE EVIDENCE AND ARE NOT FIELD VERIFIED. LOCATING AND PROTECTING ANY ABOVE AND BELOW GROUND UTILITIES IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. ANY UTILITY CONFLICTS SHOULD BE REPORTED IMMEDIATELY TO THE DESIGN ENGINEER.
6. THE CONTRACTOR SHALL CALL AND COORDINATE WITH DIGSAFE 1-888-344-7233 AT LEAST 72 HOURS PRIOR TO COMMENCING ANY EXCAVATION ON PUBLIC OR PRIVATE PROPERTY.
7. ALL ELEVATIONS TO BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. THE DESIGN ENGINEER IS TO BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCY. TEMPORARY BENCHMARKS (T.B.M.) ARE TO BE PROVIDED BY THE DESIGN ENGINEER.
8. UPON FINAL COMPLETION AND 85% STABILIZATION, THE DRAINAGE SYSTEM IS TO BE CLEANED OF ALL DEBRIS. SEDIMENT CONTROL PRACTICES REMOVED AND DISPOSED OF PROPERLY, AND ANNUAL MAINTENANCE PREFORMED ON ALL DRAINAGE PRACTICES.
9. EROSION AND SEDIMENT CONTROL INSPECTIONS TO BE CONDUCTED ONCE PER EVERY SEVEN DAYS AND AT AN INCREASED FREQUENCY INCLUDING WITHIN 24-HOURS OF A 0.25 INCH RAIN EVENT. INSPECTIONS TO BE CONDUCTED BY A "QUALIFIED PERSON" AS DEFINED BY EPA CGP 4.1.1 AND INSPECTION REPORTS SUBMITTED TO THE CITY OF ROCHESTER, NH, ENGINEERING DEPARTMENT WITHIN 24 HOURS IN ACCORDANCE WITH CGP 4.1.7 AND MAINTAINED BY THE OWNER FOR A PERIOD OF THREE YEARS. AFTER THE NOTICE OF TERMINATION (NOT) IS SUBMITTED, SEE ALSO CITY OF ROCHESTER ADDITIONAL INSPECTION REQUIREMENTS THAT CAN BE FOUND IN CITY OF ROCHESTER CHAPTER 50 PLAN.
10. CONSTRUCTION ENTRANCE IS TO BE INSTALLED UPON GROUND DISTURBANCE AND SHALL REMAIN IN PLACE AND MAINTAINED UNTIL THE SITE IS PAVED. ONCE PAVED THE CONTRACTOR IS RESPONSIBLE FOR SWEEPING THE ROAD TO ENSURE THAT NO SEDIMENT IS TRACKED ONTO ALEXANDRA LANE.
11. INLET PROTECTION SHALL BE INSTALLED ONCE THE CATCH BASINS ARE IN PLACE AND SHALL REMAIN INSTALLED UNTIL CONSTRUCTION HAS CEASED. CONTRACTOR SHALL MAINTAIN THE INLET PROTECTION THROUGHOUT THE CONSTRUCTION PROCESS.
12. PERIMETER CONTROL IS TO BE INSTALLED PRIOR TO ANY EARTH DISTURBING ACTIVITIES. ONCE INSTALLED THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING IT THROUGHOUT THE CONSTRUCTION PROCESS. ADDITIONAL PERIMETER CONTROL MAY BE REQUIRED.
13. CONTRACTOR IS TO FULLY CONSTRUCT AND STABILIZE THE ROADWAY, ROAD SIDE SWALES AND RAIN GARDENS PRIOR TO RESIDENTIAL LOT CONSTRUCTION.

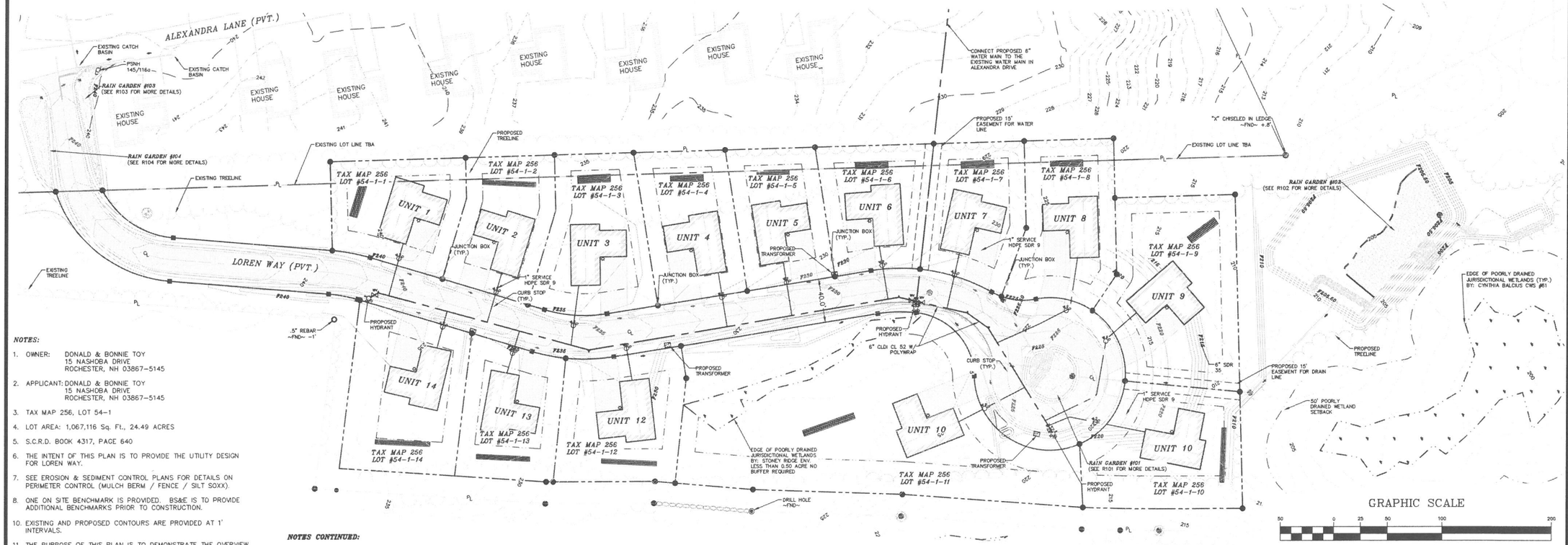
| REVISION | DATE | DESCRIPTION |
|---|---|---|
| | | |

EROSION AND SEDIMENT CONTROL PLAN NORTH
FOR
DONALD TOY
418 OLD DOVER ROAD
ROCHESTER, N.H.
*TAX MAP 256, LOT 53 & 54-1*

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (332-2863)

SCALE : 1 IN. EQUALS 30 FT.
DATE : JUNE 11, 2019
FILE NO. : DB 2015 - 151

STATE OF NEW HAMPSHIRE
KENNETH A. BERRY
No. 14243
LICENSED PROFESSIONAL ENGINEER




***NOTES:***

1. OWNER: DONALD & BONNIE TOY
   15 NASHOBA DRIVE
   ROCHESTER, NH 03867–5145
2. APPLICANT: DONALD & BONNIE TOY
   15 NASHOBA DRIVE
   ROCHESTER, NH 03867–5145
3. TAX MAP 256, LOT 54–1
4. LOT AREA: 1,067,116 Sq. Ft., 24.49 ACRES
5. S.C.R.D. BOOK 4317, PAGE 640
6. THE INTENT OF THIS PLAN IS TO PROVIDE THE UTILITY DESIGN FOR LOREN WAY.
7. SEE EROSION & SEDIMENT CONTROL PLANS FOR DETAILS ON PERIMETER CONTROL (MULCH BERM / FENCE / SILT SOXX).
8. ONE ON SITE BENCHMARK IS PROVIDED. BS&E IS TO PROVIDE ADDITIONAL BENCHMARKS PRIOR TO CONSTRUCTION.
10. EXISTING AND PROPOSED CONTOURS ARE PROVIDED AT 1' INTERVALS.
11. THE PURPOSE OF THIS PLAN IS TO DEMONSTRATE THE OVERVIEW PRIVATE UTILITIES WITHIN THE SITE PLAN.
12. UNDERGROUND UTILITY LOCATIONS ARE BASED UPON BEST AVAILABLE EVIDENCE AND ARE NOT FIELD VERIFIED. LOCATING AND PROTECTING ANY ABOVE AND BELOW GROUND UTILITIES IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. ANY UTILITY CONFLICTS SHOULD BE REPORTED IMMEDIATELY TO THE DESIGN ENGINEER.
13. THE CONTRACTOR SHALL CALL AND COORDINATE WITH DIGSAFE 1–888–344–7233 AT LEAST 72 HOURS PRIOR TO COMMENCING ANY EXCAVATION ON PUBLIC OR PRIVATE PROPERTY.
14. PROTECTION OF SUBGRADE: THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN STABLE, DEWATERED SUBGRADES, TRENCHES, AND OTHER AREAS DURING CONSTRUCTION. SUBGRADE DISTURBANCE MAY BE INFLUENCED BY EXCAVATION METHODS, MOISTURE, PRECIPITATION, GROUNDWATER CONTROL, AND CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL TAKE PRECAUTIONS TO PREVENT SUBGRADE DISTURBANCE. SUCH PRECAUTIONS MAY INCLUDE DIVERTING STORMWATER RUNOFF AWAY FROM CONSTRUCTION AREAS, REDUCING TRAFFIC IN SENSITIVE AREAS, AND MAINTAINING AN EFFECTIVE DEWATERING PROGRAM. SOILS EXHIBITING HEAVING OR INSTABILITY SHALL BE OVER EXCAVATED TO MORE COMPETENT BEARING SOIL AND REPLACED WITH FREE DRAINING STRUCTURAL FILL MEETING THE ENGINEERS SPECIFIC RECOMMENDED CRITERIA.
15. IF THE EARTHWORK IS PERFORMED DURING FREEZING WEATHER (NOT ALLOWED IN CITY R.O.W.), EXPOSED SUBGRADES ARE SUSCEPTIBLE TO FROST. NO FILL OR UTILITIES SHALL BE PLACED ON FROZEN GROUND. THIS WILL LIKELY REQUIRE REMOVAL OF A FROZEN SOIL CRUST AT THE COMMENCEMENT OF EACH DAY'S OPERATION. THE FINAL SUBGRADE ELEVATION WOULD ALSO REQUIRE AN APPROPRIATE DEGREE OF INSULATION AGAINST FREEZING.
16. PLACEMENT OF BORROW MATERIALS SHALL BE PERFORMED IN A MANNER THAT PREVENTS LONG TERM DIFFERENTIAL SETTLEMENT. EXCESSIVELY WET MATERIALS SHALL BE STOCKPILED AND ALLOWED TO DRAIN BEFORE PLACEMENT. FROZEN MATERIAL SHALL NOT BE USED FOR CONSTRUCTION. VOIDS BETWEEN STONES AND CLUMPS OF MATERIAL SHALL BE FILLED WITH FINE MATERIALS.
17. FINAL UTILITY LOCATIONS TO BE COORDINATED BETWEEN THE CONTRACTOR, ALL APPROPRIATE UTILITY COMPANIES AND THE ROCHESTER DPW.
18. CONTRACTOR TO CONTACT ROCHESTER DPW A MINIMUM OF TWO WEEKS PRIOR TO ANY CONSTRUCTION TO COORDINATE ALL WORK CONCERNING INSTALLATION OF ANY PROPOSED WATER LINE IMPROVEMENTS.
19. ALL WATER MAIN AND SERVICE INSTALLATIONS SHALL CONFORM TO CITY OF ROCHESTER STANDARDS. ALL HIGHWAY CONSTRUCTION WILL MEET THE CITY OF ROCHESTER STANDARDS.
20. CONTRACTOR SHALL COORDINATE ALL ELECTRICAL INSTALLATIONS WITH EVERSOURCE AT (800) 662–7764. ALL ELECTRIC CONDUIT INSTALLATION SHALL BE INSPECTED BY EVERSOURCE PRIOR TO BACKFILL. A 48–HOUR MINIMUM NOTICE IS REQUIRED.

***NOTES CONTINUED:***

21. CONTRACTOR SHALL COORDINATE ALL TELECOMMUNICATIONS INSTALLATIONS WITH FAIRPOINT COMMUNICATIONS AT (603) 427–5525.
22. CONTRACTOR SHALL COORDINATE ALL CABLE INSTALLATIONS WITH METROCAST.
23. CONTRACTOR SHALL COORDINATE ALL GAS INSTALLATIONS WITH UNITIL.
24. ALL WATER SERVICES ARE TO BE WITNESSED WITH A 2"X4" PAINTED BLUE. ALL SEWER SERVICES ARE TO BE WITNESSED W WITH A 2"X4" PAINTED YELLOW, IS STUBBED PRIOR TO BUILDING CONSTRUCTION.
25. ALL CURB STOPS INSTALLED IN PAVEMENT ARE TO BE INSTALLED IN GATE BOXES.

| REVISION | DATE | DESCRIPTION |
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| | | |
| | | |

OVERVIEW UTILITY PLAN
FOR
DONALD TOY
418 OLD DOVER ROAD
ROCHESTER, N.H.
*TAX MAP 256, LOT 53 & 54–1*

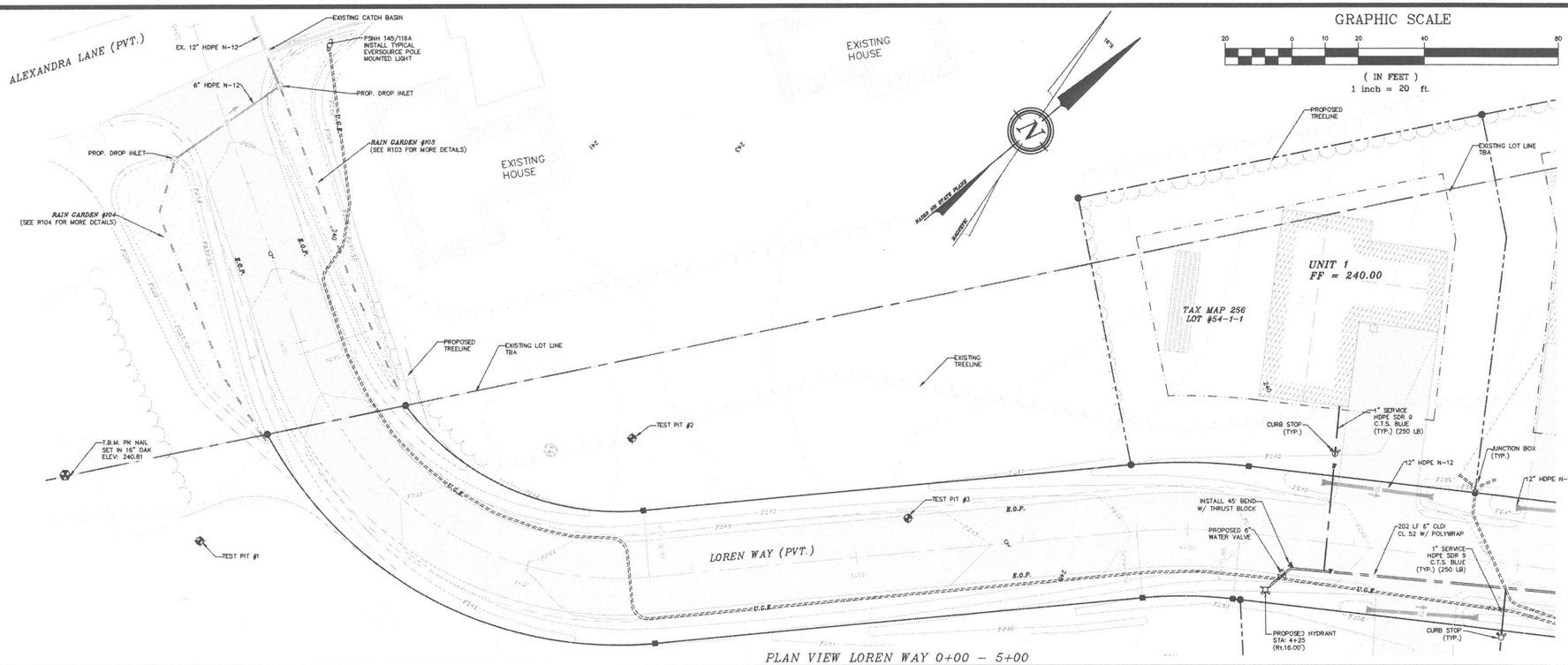

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (332–2863)


SCALE : 1 IN. EQUALS 50 FT.
DATE : JUNE 11, 2019
FILE NO. : DB 2015 – 151

STATE OF NEW HAMPSHIRE
KENNETH A. BERRY
No. 14243
LICENSED PROFESSIONAL ENGINEER

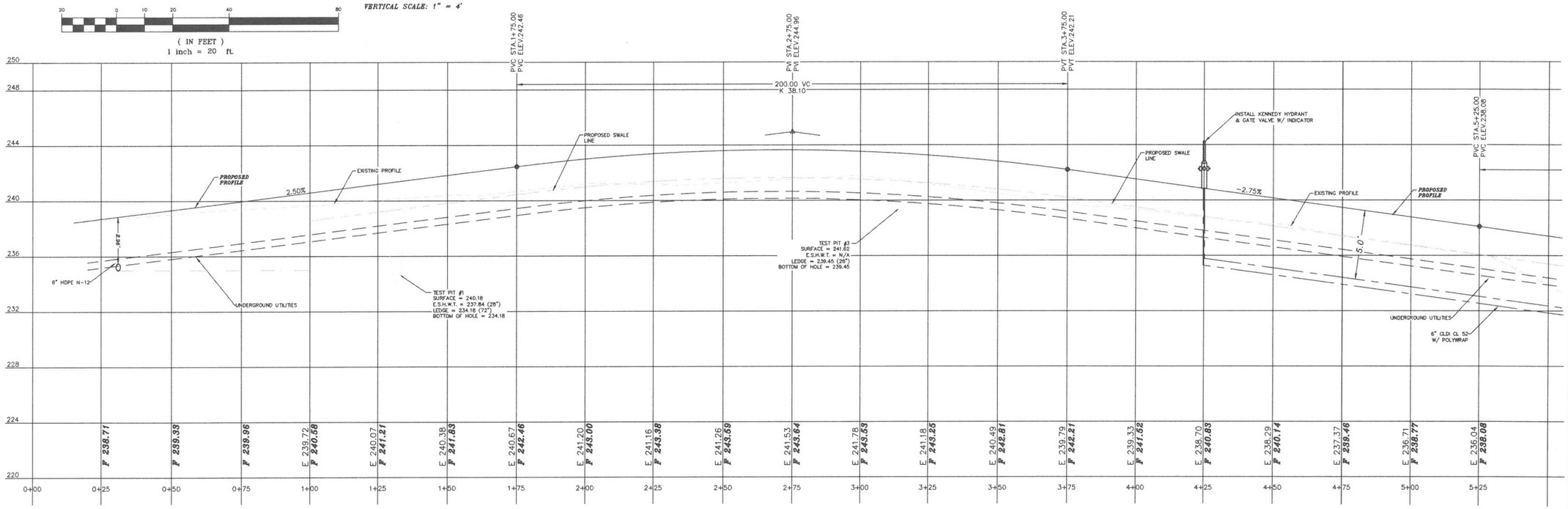
**NOTES:**

1. OWNER: DONALD & BONNIE TOY
   15 NASHOBA DRIVE
   ROCHESTER, NH 03867-5145
2. APPLICANT: DONALD & BONNIE TOY
   15 NASHOBA DRIVE
   ROCHESTER, NH 03867-5145
3. TAX MAP 256, LOT 54-1
4. LOT AREA: 1,067,116 Sq. Ft., 24.49 ACRES
5. S.C.R.D. BOOK 4317, PAGE 640
6. THE INTENT OF THIS PLAN IS TO PROVIDE THE UTILITY DESIGN FOR LOREN WAY.
7. SEE OVERVIEW UTILITY PLAN FOR ALL OTHER STANDARD UTILITY NOTES.




PLAN VIEW LOREN WAY 0+00 – 5+00

PROFILE VIEW LOREN WAY 0+00 – 5+00




| REVISION | DATE | DESCRIPTION |
|---|---|---|
| | | |

UTILITY PLAN 0+00 TO 5+50
FOR
DONALD TOY
418 OLD DOVER ROAD
ROCHESTER, N.H.
*TAX MAP 256, LOT 53 & 54-1*


BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (332-2863)

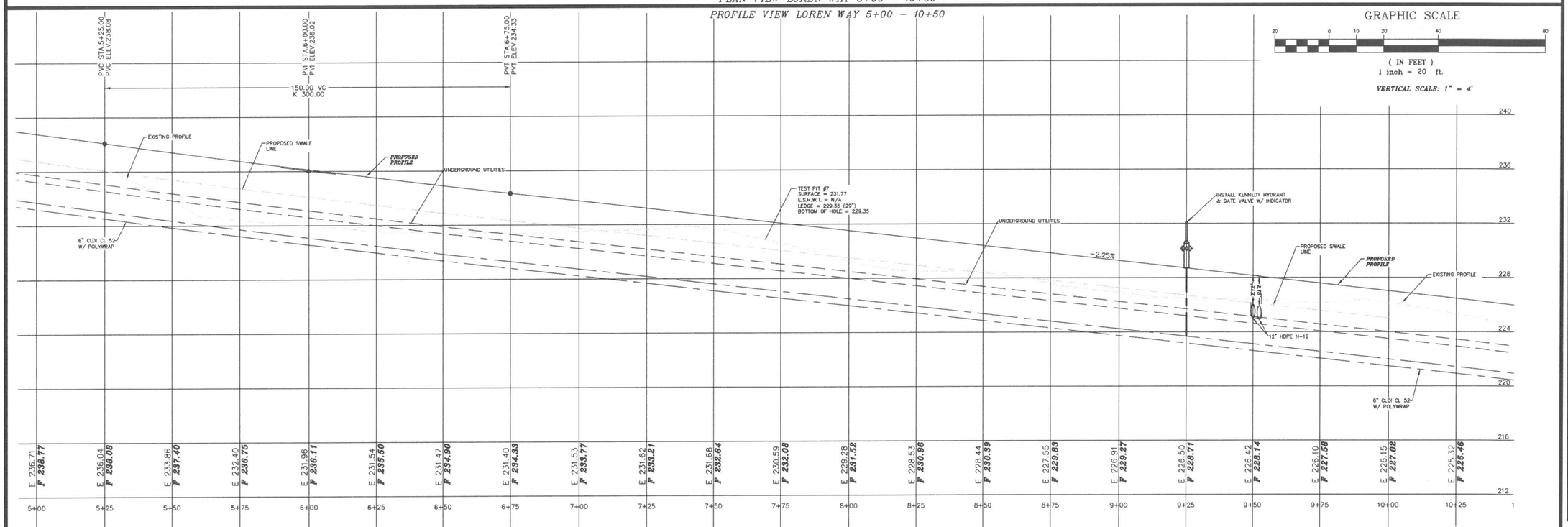

SCALE : 1 IN. EQUALS 20 FT.
DATE : JUNE 11, 2019
FILE NO. : DB 2015 – 151

STATE OF NEW HAMPSHIRE
KENNETH A. BERRY
No. 14243
LICENSED PROFESSIONAL ENGINEER


PLAN VIEW LOREN WAY 5+00 – 10+50

***NOTES:***

1. OWNER: DONALD & BONNIE TOY
   15 NASHOBA DRIVE
   ROCHESTER, NH 03867-5145
2. APPLICANT: DONALD & BONNIE TOY
   15 NASHOBA DRIVE
   ROCHESTER, NH 03867-5145
3. TAX MAP 256, LOT 54-1
4. LOT AREA: 1,067,116 Sq. Ft., 24.49 ACRES
5. S.C.R.D. BOOK 4317, PAGE 640
6. THE INTENT OF THIS PLAN IS TO PROVIDE THE UTILITY DESIGN FOR LOREN WAY.
7. SEE OVERVIEW UTILITY PLAN FOR ALL OTHER STANDARD UTILITY NOTES.




| REVISION | DATE | DESCRIPTION |
|---|---|---|
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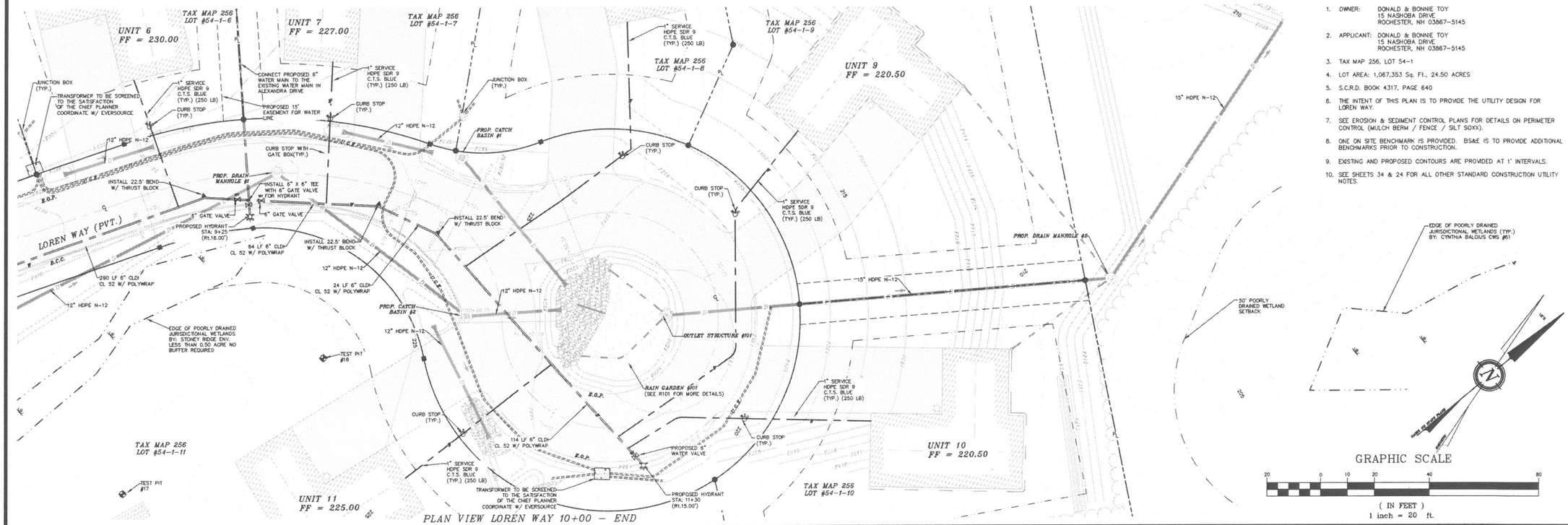
UTILITY PLAN 5+00 TO 10+00
FOR
DONALD TOY
418 OLD DOVER ROAD
ROCHESTER, N.H.
*TAX MAP 256, LOT 53 & 54-1*


BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (332-2863)

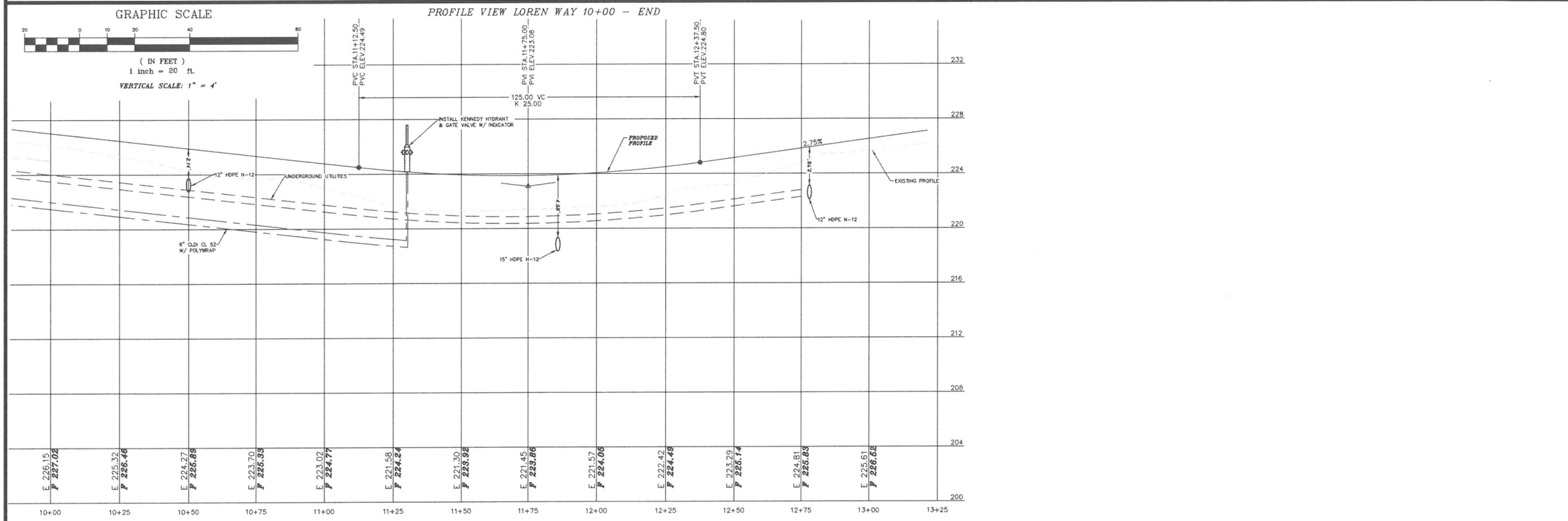

SCALE : 1 IN. EQUALS 20 FT.
DATE : JUNE 11, 2019
FILE NO. : DB 2015 – 151

STATE OF NEW HAMPSHIRE
KENNETH A. BERRY
No. 14243
LICENSED PROFESSIONAL ENGINEER




**NOTES:**

1. OWNER: DONALD & BONNIE TOY
   15 NASHOBA DRIVE
   ROCHESTER, NH 03867-5145
2. APPLICANT: DONALD & BONNIE TOY
   15 NASHOBA DRIVE
   ROCHESTER, NH 03867-5145
3. TAX MAP 256, LOT 54-1
4. LOT AREA: 1,067,353 Sq. Ft., 24.50 ACRES
5. S.C.R.D. BOOK 4317, PAGE 640
6. THE INTENT OF THIS PLAN IS TO PROVIDE THE UTILITY DESIGN FOR LOREN WAY.
7. SEE EROSION & SEDIMENT CONTROL PLANS FOR DETAILS ON PERIMETER CONTROL (MULCH BERM / FENCE / SILT SOXX).
8. ONE ON SITE BENCHMARK IS PROVIDED. BS&E IS TO PROVIDE ADDITIONAL BENCHMARKS PRIOR TO CONSTRUCTION.
9. EXISTING AND PROPOSED CONTOURS ARE PROVIDED AT 1' INTERVALS.
10. SEE SHEETS 34 & 24 FOR ALL OTHER STANDARD CONSTRUCTION UTILITY NOTES.




| REVISION | DATE | DESCRIPTION |
|---|---|---|
| | | |

UTILITY PLAN 10+00 TO END
FOR
DONALD TOY
418 OLD DOVER ROAD
ROCHESTER, N.H.
*TAX MAP 256, LOT 53 & 54-1*

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (332-2863)

SCALE : 1 IN. EQUALS 20 FT.
DATE : JUNE 11, 2019
FILE NO. : DB 2015 – 151

STATE OF NEW HAMPSHIRE
KENNETH A. BERRY
No. 14243
LICENSED PROFESSIONAL ENGINEER

SHEET 26 OF 35

**NOTES:**

1.) OWNER: DONALD & BONNIE TOY
15 NASHOBA DRIVE
ROCHESTER, NH 03867-5145

2.) TAX MAP 256, LOT 54-1

3.) LOT AREA: 1,067,116 Sq. Ft., 24.49 ACRES

4.) S.C.R.D. BOOK 4317, PAGE 640

5.) THIS IS AN EXPANSION OF USE FOR A RESIDENTIAL SUBDIVISION.

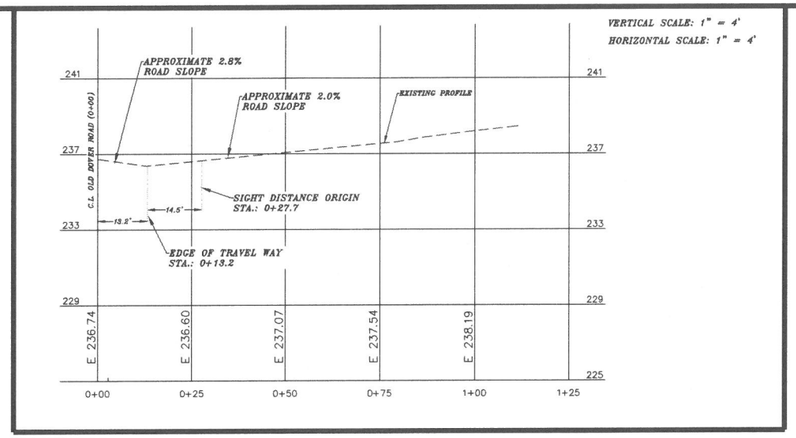
6.) THE INTENT OF THIS PLAN IS TO DEMONSTRATE THE AVAILABLE SIGHT DISTANCE FROM THE EXISTING ROADWAY KNOWN AS ALEXANDRA LANE.

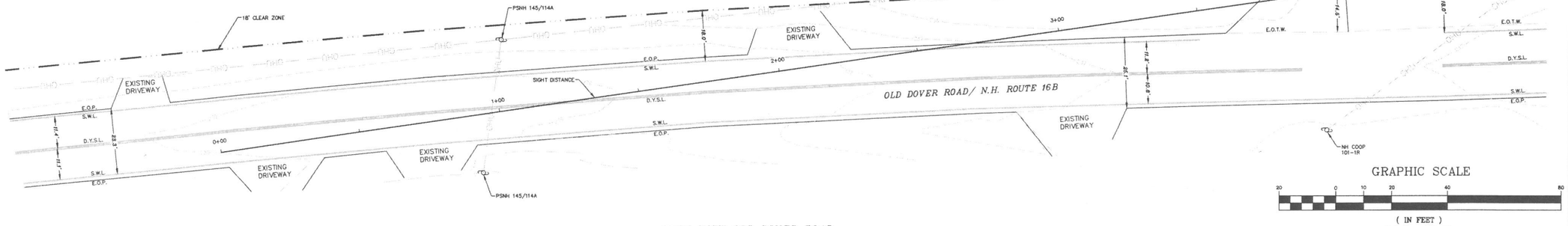
7.) EXISTING CONDITIONS INFORMATION IS BASED ON A SURVEY PERFORMED BY BERRY SURVEYING & ENGINEERING AND IS ENCLOSED IN THIS PACKAGE. EXISTING AND PROPOSED CONTOURS ARE PROVIDED AT 1' INTERVALS WITH DRAINAGE FEATURES AT MORE PRECISE INTERVALS.

8.) THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH NHDOT STANDARD SPECIFICATIONS DATED 2016, CURRENT STANDARD PLANS, SUPPLEMENTAL SPECIFICATIONS AND SPECIAL PROVISIONS INCLUDED IN THE PROPOSAL.

9.) SEE NHDOT-2 FOR REMAINING NOTES AND ENTRANCE DETAILS.

10.) SEE NHDOT-2 FOR STANDARD LEGEND.


PLAN VIEW OLD DOVER ROAD

GRAPHIC SCALE

20 0 10 20 40 80

( IN FEET )
1 inch = 20 ft.

***CLEAR ZONE CALCULATION:***

DESIGN SPEED: 40 MPH / 85TH ASSUMED 45 MPH

WESTBOUND DESIGN ADT (2017): 4,671 (NHDOT)

FROM AASHTO ROADSIDE DESIGN GUIDE (2004) TABLE 3.1 PAGE 3-6

CLEAR ZONE REQUIRED TO BE 16-18 FEET (1V:6H TO 1V:5H)
-18 FEET HAS BEEN SELECTED

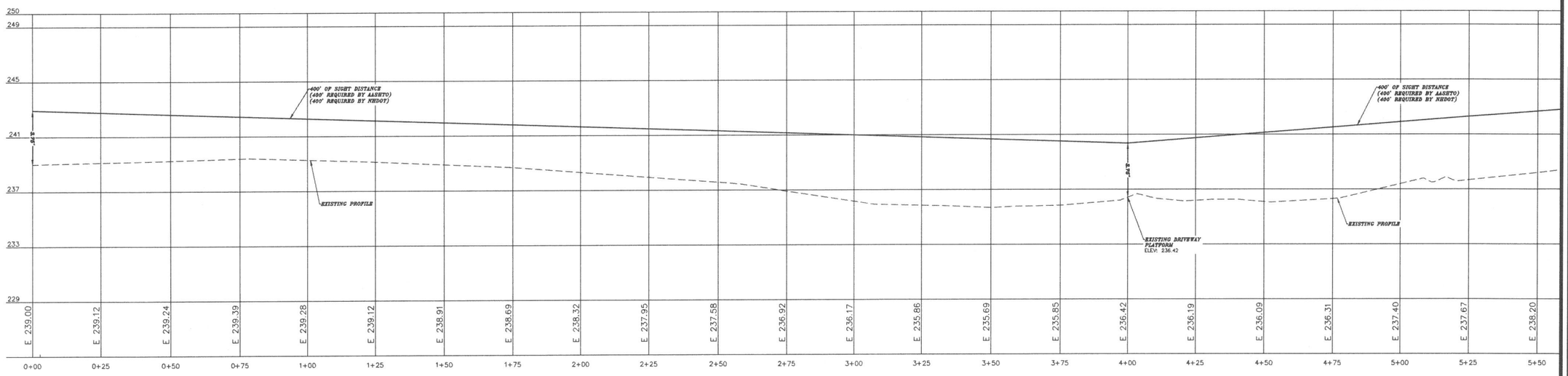
***SIGHT DISTANCE REQUIREMENT:***

DESIGN SPEED: 40 MPH / 85TH ASSUMED 45 MPH

400' REQUIRE BY AASHTO

FROM AASHTO GEOMETRIC DESIGN OF HIGHWAYS AND STREETS (2011) EXHIBIT 3.1 & 3.2

PROFILE VIEW SIGHT LINE




GRAPHIC SCALE

20 0 10 20 40 80

( IN FEET )
1 inch = 20 ft.
***VERTICAL SCALE: 1" = 4'***

***NHDOT-1***

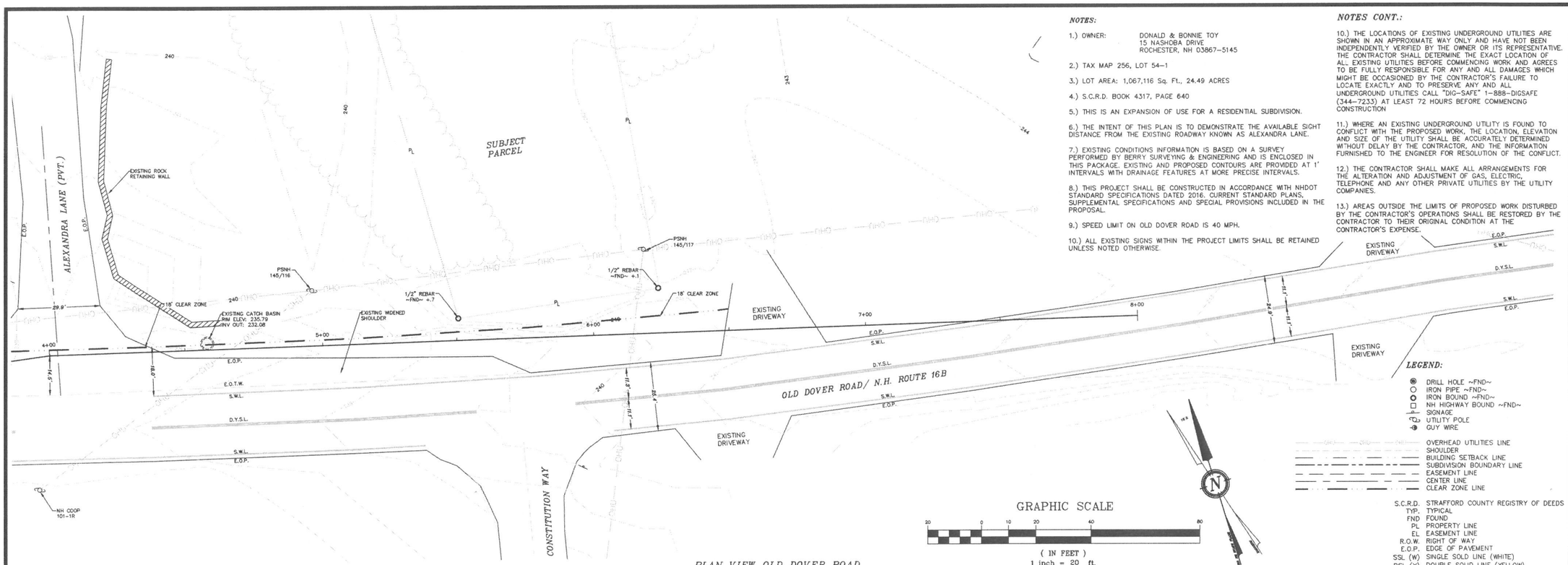
| REVISION | DATE | DESCRIPTION |
|---|---|---|
| | | |

SIGHT DISTANCE ALEXANDRA LANE WESTBOUND
FOR
DONALD TOY
418 OLD DOVER ROAD
ROCHESTER, N.H.
*TAX MAP 256, LOT 53 & 54-1*


BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (332-2863)


SCALE : 1 IN. EQUALS 20 FT.
DATE : JUNE 11, 2019
FILE NO. : DB 2015 - 151

STATE OF NEW HAMPSHIRE - KENNETH A. BERRY No. 14243 LICENSED PROFESSIONAL ENGINEER




PLAN VIEW OLD DOVER ROAD

GRAPHIC SCALE

( IN FEET )
1 inch = 20 ft.

***NOTES:***

1.) OWNER: DONALD & BONNIE TOY
15 NASHOBA DRIVE
ROCHESTER, NH 03867-5145

2.) TAX MAP 256, LOT 54-1

3.) LOT AREA: 1,067,116 Sq. Ft., 24.49 ACRES

4.) S.C.R.D. BOOK 4317, PAGE 640

5.) THIS IS AN EXPANSION OF USE FOR A RESIDENTIAL SUBDIVISION.

6.) THE INTENT OF THIS PLAN IS TO DEMONSTRATE THE AVAILABLE SIGHT DISTANCE FROM THE EXISTING ROADWAY KNOWN AS ALEXANDRA LANE.

7.) EXISTING CONDITIONS INFORMATION IS BASED ON A SURVEY PERFORMED BY BERRY SURVEYING & ENGINEERING AND IS ENCLOSED IN THIS PACKAGE. EXISTING AND PROPOSED CONTOURS ARE PROVIDED AT 1' INTERVALS WITH DRAINAGE FEATURES AT MORE PRECISE INTERVALS.

8.) THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH NHDOT STANDARD SPECIFICATIONS DATED 2016. CURRENT STANDARD PLANS, SUPPLEMENTAL SPECIFICATIONS AND SPECIAL PROVISIONS INCLUDED IN THE PROPOSAL.

9.) SPEED LIMIT ON OLD DOVER ROAD IS 40 MPH.

10.) ALL EXISTING SIGNS WITHIN THE PROJECT LIMITS SHALL BE RETAINED UNLESS NOTED OTHERWISE.

***NOTES CONT.:***

10.) THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO LOCATE EXACTLY AND TO PRESERVE ANY AND ALL UNDERGROUND UTILITIES CALL "DIG-SAFE" 1-888-DIGSAFE (344-7233) AT LEAST 72 HOURS BEFORE COMMENCING CONSTRUCTION

11.) WHERE AN EXISTING UNDERGROUND UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, THE LOCATION, ELEVATION AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR, AND THE INFORMATION FURNISHED TO THE ENGINEER FOR RESOLUTION OF THE CONFLICT.

12.) THE CONTRACTOR SHALL MAKE ALL ARRANGEMENTS FOR THE ALTERATION AND ADJUSTMENT OF GAS, ELECTRIC, TELEPHONE AND ANY OTHER PRIVATE UTILITIES BY THE UTILITY COMPANIES.

13.) AREAS OUTSIDE THE LIMITS OF PROPOSED WORK DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY THE CONTRACTOR TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.

***LEGEND:***

- DRILL HOLE ~FND~
- IRON PIPE ~FND~
- IRON BOUND ~FND~
- NH HIGHWAY BOUND ~FND~
- SIGNAGE
- UTILITY POLE
- GUY WIRE
- OVERHEAD UTILITIES LINE
- SHOULDER
- BUILDING SETBACK LINE
- SUBDIVISION BOUNDARY LINE
- EASEMENT LINE
- CENTER LINE
- CLEAR ZONE LINE

S.C.R.D. STRAFFORD COUNTY REGISTRY OF DEEDS
TYP. TYPICAL
FND FOUND
PL PROPERTY LINE
EL EASEMENT LINE
R.O.W. RIGHT OF WAY
E.O.P. EDGE OF PAVEMENT
SSL (W) SINGLE SOLID LINE (WHITE)
DSL (Y) DOUBLE SOLID LINE (YELLOW)

***CLEAR ZONE CALCULATION:***

DESIGN SPEED: 40 MPH / 85TH ASSUMED 45 MPH

WESTBOUND DESIGN ADT (2017): 4,671 (NHDOT)

FROM AASHTO ROADSIDE DESIGN GUIDE (2004) TABLE 3.1 PAGE 3-6

CLEAR ZONE REQUIRED TO BE 16-18 FEET (1V:6H TO 1V:5H)
-18 FEET HAS BEEN SELECTED

***SIGHT DISTANCE REQUIREMENT:***

DESIGN SPEED: 40 MPH / 85TH ASSUMED 45 MPH

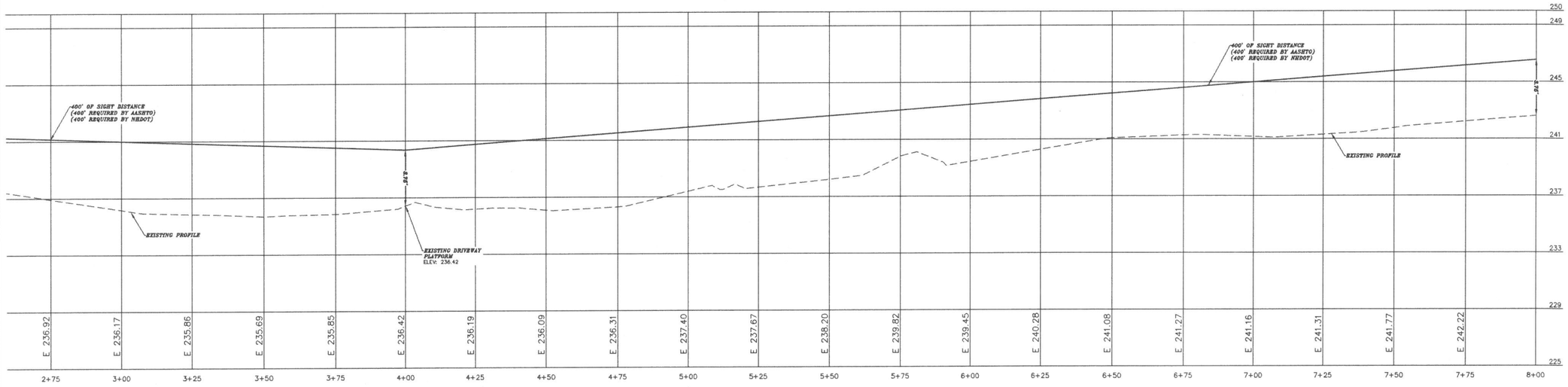
400' REQUIRE BY AASHTO

FROM AASHTO GEOMETRIC DESIGN OF HIGHWAYS AND STREETS (2011) EXHIBIT 3.1 & 3.2

PROFILE VIEW SIGHT LINE

GRAPHIC SCALE

( IN FEET )
1 inch = 20 ft.
***VERTICAL SCALE: 1" = 4'***




***NHDOT-2***

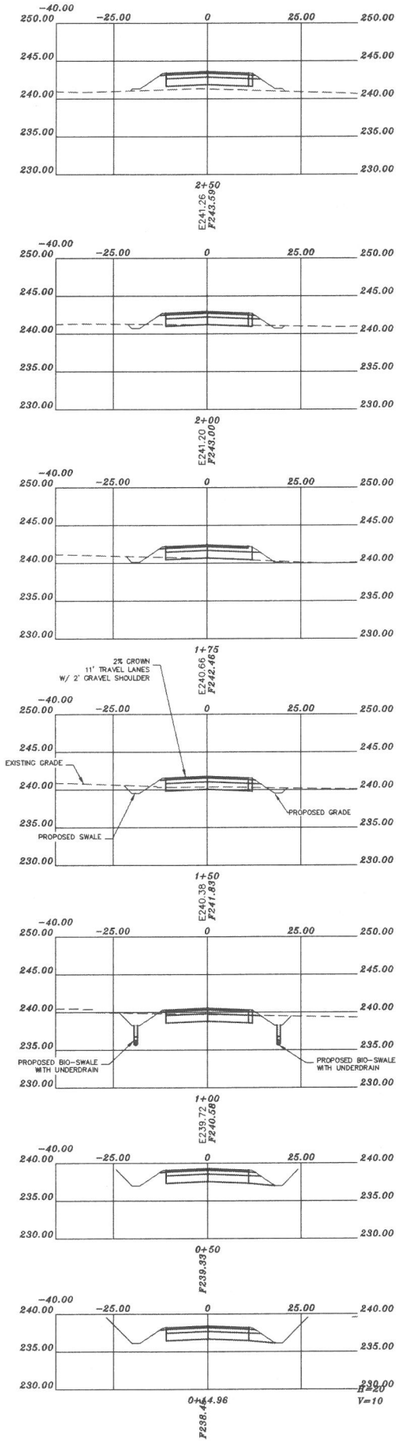
| REVISION | DATE | DESCRIPTION |
|---|---|---|
| | | |

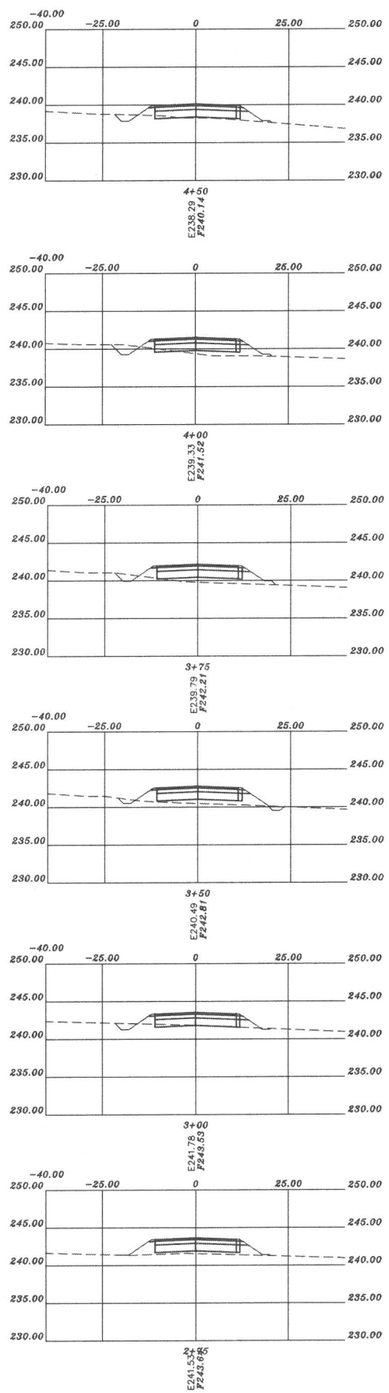
SIGHT DISTANCE ALEXANDRA LANE EASTBOUND
FOR
DONALD TOY
418 OLD DOVER ROAD
ROCHESTER, N.H.
*TAX MAP 256, LOT 53 & 54-1*

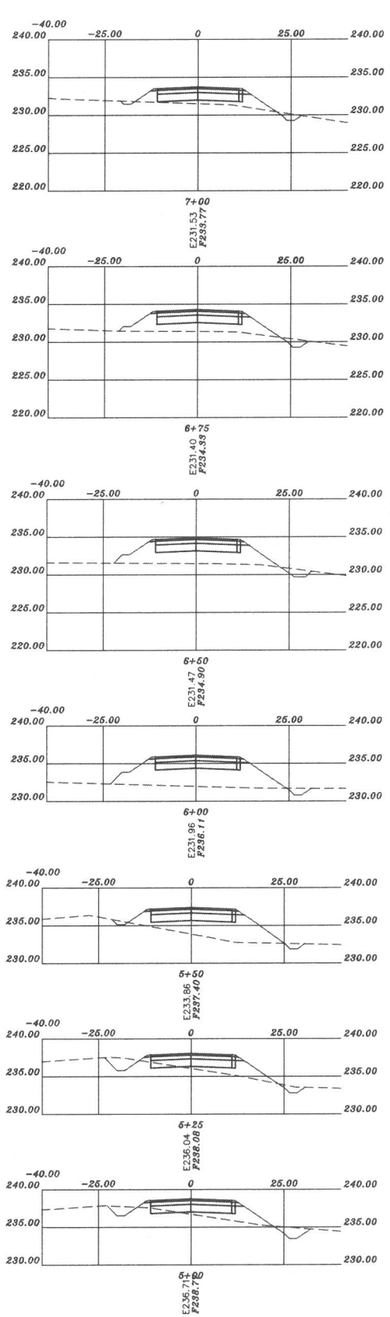

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (332-2863)

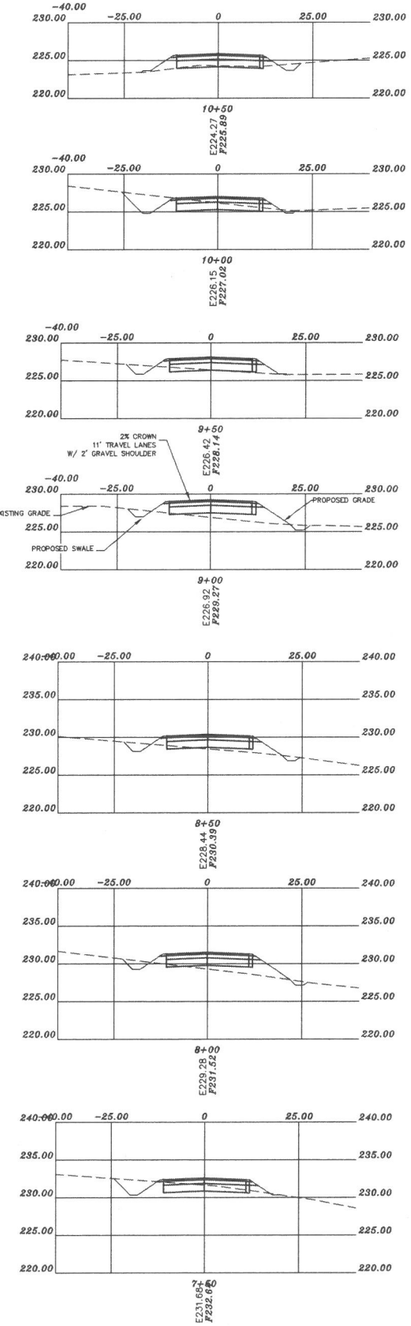

SCALE : 1 IN. EQUALS 20 FT.
DATE : JUNE 11, 2019
FILE NO. : DB 2015 - 151

STATE OF NEW HAMPSHIRE
KENNETH A. BERRY
No. 14243
LICENSED PROFESSIONAL ENGINEER



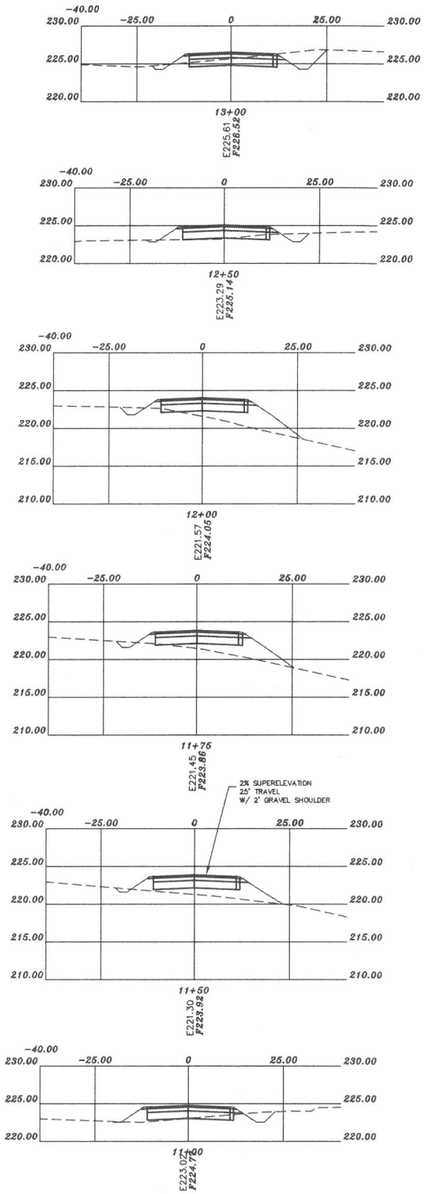




GRAPHIC SCALE

20 0 10 20 40 80

( IN FEET )
1 inch = 20 ft.
*Vertical Scale 10*




| REVISION | DATE | DESCRIPTION |
|---|---|---|
| | | |

CROSS SECTIONS 0+00 – END

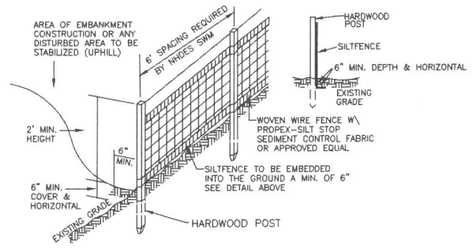
FOR
DONALD TOY
418 OLD DOVER ROAD
ROCHESTER, N.H.
*TAX MAP 256, LOT 53 & 54-1*


BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (332-2863)


SCALE : 1 IN. EQUALS 20 FT.
DATE : JUNE 11, 2019
FILE NO. : DB 2015 – 151

STATE OF NEW HAMPSHIRE
KENNETH A. BERRY
No. 14243
LICENSED PROFESSIONAL ENGINEER

## E1



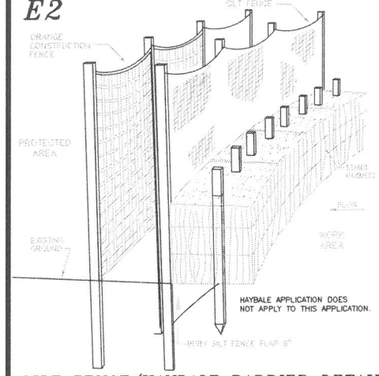

SILT FENCE CONSTRUCTION SPECIFICATIONS

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES AND FILTER CLOTH SHALL BE FASTENED TO WOVEN WIRE EVERY 24" AT TOP MID AND BOTTOM SECTIONS AND BE EMBEDDED INTO GROUND A MINIMUM OF 8" THE FENCE POSTS SHALL BE A MINIMUM 48" LONG, SPACED A MAXIMUM 10' APART, AND DRIVEN A MINIMUM OF 16" INTO THE GROUND.
2. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THE ENDS OF THE FABRIC SHALL BE OVERLAPPED BY SIX INCHES, FOLDED AND STAPLED TO PREVENT SEDIMENT FROM BY-PASSING.
3. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND SEDIMENT REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE AND PROPERLY DISPOSED OF. SEE MAINTENANCE NOTE BELOW. REMOVAL OF SEDIMENT REQUIRED AT A DEPTH OF 6-INCHES.
4. PLACE THE ENDS OF THE SILT FENCE UP CONTOUR TO PROVIDE FOR SEDIMENT STORAGE.
5. SILT FENCES SHALL BE REMOVED WHEN NO LONGER NEEDED AND THE SEDIMENT COLLECTED SHALL BE DISPOSED AS DIRECTED BY THE ENGINEER.
6. THE AREA DISTURBED BY THE REMOVAL SHALL BE SMOOTHED AND RE-VEGETATED.
7. TO BE CONSTRUCTED IAW NH SWM #3 4-2 SEDIMENT CONTROL PRACTICES, SILT FENCE, PAGE 90.

SILT FENCE MAINTENANCE

1. SILT FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REPAIRS THAT ARE REQUIRED SHALL BE MADE IMMEDIATELY.
2. IF THE FABRIC ON A SILT FENCE SHOULD DECOMPOSE OR BECOME INEFFECTIVE DURING THE EXPECTED LIFE OF THE FENCE, THE FABRIC SHALL BE REPLACED PROMPTLY.
3. SEDIMENT DEPOSITS SHOULD BE REMOVED WHEN THEY REACH SIX-INCHES IN DEPTH.
4. SEDIMENT DEPOSITS THAT ARE REMOVED OR LEFT IN PLACE AFTER THE FABRIC HAS BEEN REMOVED SHALL BE GRADED TO CONFORM WITH THE EXISTING TOPOGRAPHY AND VEGETATED.

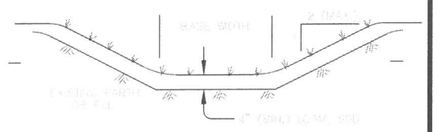
## E2




*SILT FENCE/HAYBALE BARRIER DETAIL*

THIS METHOD TO BE USED ALONG THE REAR OF THE PROPERTY
NOT TO SCALE

## E3




*GRASS TREATMENT SWALE*

NOT TO SCALE

INSPECT ANNUALLY FOR EROSION, SEDIMENT ACCUMULATIONS, VEGETATION LOSS, & INVASIVE SPECIES. REPAIR AS NECESSARY.

MOW GRASS ANNUALLY TO A DEPTH OF 4".

INSTALL STABILIZATION MATTING
DURING CONSTRUCATION

TO BE CONSTRUCTED IAW NH SWM #2 CHAPTER 4, #5 TREATMENT SWALES, PAGE 123.

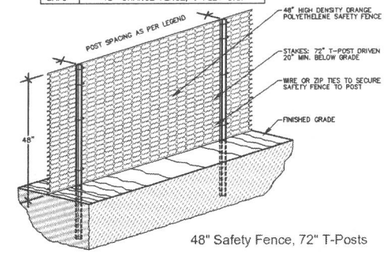
## E4

*CONSTRUCTION SAFETY FENCE*

NOT TO SCALE

LEGEND

| | |
|---|---|
| SAF12 | 48" ORANGE FENCE, 12 FEET O.C. |
| SAF11 | 48" ORANGE FENCE, 11 FEET O.C. |
| SAF10 | 48" ORANGE FENCE, 10 FEET O.C. |
| SAF9 | 48" ORANGE FENCE, 9 FEET O.C. |
| SAF8 | 48" ORANGE FENCE, 8 FEET O.C. |
| SAF7 | 48" ORANGE FENCE, 7 FEET O.C. |
| SAF6 | 48" ORANGE FENCE, 6 FEET O.C. |



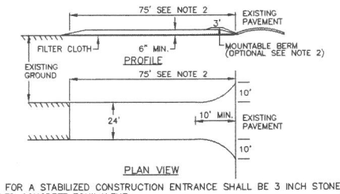

48" Safety Fence, 72" T-Posts

1. ALL SENSITIVE AREAS SHALL BE PROTECTED AS PER PLAN.
2. ALL TREES IN THE CONSTRUCTION AREA NOT SPECIFICALLY DESIGNATED FOR REMOVAL SHALL BE PRESERVED AND PROTECTED WITH HIGH VISIBILITY FENCE AS PER PLAN.
3. WHEN PRACTICABLE, INSTALL HIGH VISIBILITY 3 FEET OUTSIDE OF THE DRIP LINE OF THE TREE.
4. SAFETY FENCE SHOULD BE FASTENED SECURELY TO THE T-POSTS.
5. THE FENCING MUST REMAIN IN PLACE DURING ALL PHASES OF CONSTRUCTION; ANY CHANGE OF THE PROTECTIVE FENCING MUST BE APPROVED.

## E5

*STABILIZED CONSTRUCTION ENTRANCE*

NOT TO SCALE



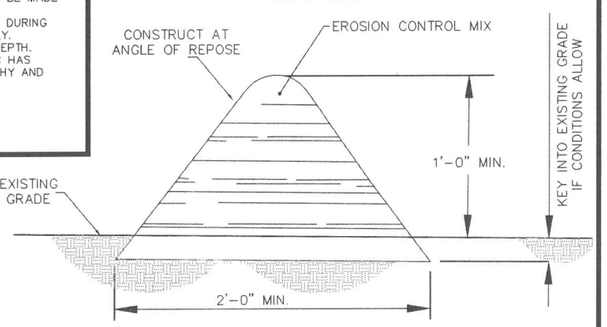

PLAN VIEW

1. STONE FOR A STABILIZED CONSTRUCTION ENTRANCE SHALL BE 3 INCH STONE, RECLAIMED STONE, OR RECYCLED CONCRETE EQUIVALENT.
2. THE LENGTH OF THE STABILIZED ENTRANCE SHALL NOT BE LESS THAN 75 FEET, EXCEPT THAT THE MINIMUM LENGTH MAY BE REDUCED TO 50 FEET IF A 3-INCH TO 6-INCH BERM IS INSTALLED AT THE ENTRANCE OF THE PROJECT SITE.
3. THE THICKNESS OF THE STONE FOR THE STABILIZED ENTRANCE SHALL NOT BE LESS THAN 6 INCHES.
4. THE WIDTH OF THE ENTRANCE SHALL NOT BE LESS THAN THE FULL WIDTH OF THE ENTRANCE WHERE INGRESS OR EGRESS OCCURS OR 10 FEET, WHICH EVER IS GREATER.
5. GEOTEXTILE FILTER CLOTH SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING
6. ALL SURFACE WATER THAT IS FLOWING TO OR DIVERTED TOWARD THE CONSTRUCTION ENTRANCE SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A BERM WITH 5:1 SLOPES THAT CAN BE CROSSED BY VEHICLES MAY BE SUBSTITUTED FOR THE PIPE.
7. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, WASHED, OR TRACKED ONTO PUBLIC RIGHT-OF-WAY MUST BE REMOVED PROMPTLY.
8. TO BE CONSTRUCTED IAW NH SWM #3 4-2 SEDIMENT CONTROL PRACTICES, TEMPORARY CONSTRUCTION EXIT, PAGE 124.

## E6

*EROSION CONTROL MIX BERM*

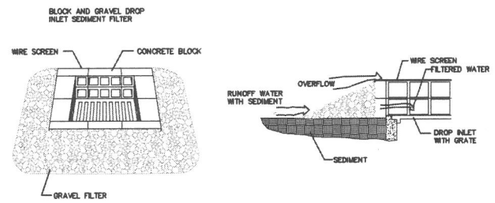
NOT TO SCALE




EROSION CONTROL MIX BERMS SHALL BE USED ONLY AS FOLLOWS:

1. BERMS SHALL BE USED IN AREAS WHERE EROSION WILL OCCUR ONLY IN THE FORM OF SHEET EROSION AND THERE IS NO CONCENTRATION OF WATER IN A CHANNEL OR DRAINAGE WAY ABOVE THE BERM.
2. THE BERMS SHALL BE INSTALLED FOLLOWING THE CONTOUR OF THE LAND AS CLOSELY AS POSSIBLE.
3. THE BERMS SHALL BE INSTALLED ON SLOPES LESS THAN 5%
4. SUBJECT TO (E), BELOW, THE MIX SHALL HAVE AN ORGANIC PORTION BETWEEN 80 AND 100%, DRY WEIGHT BASIS, AND BE FIBROUS AND ELONGATED SUCH AS FROM SHREDDED BARK, STUMP GRINDINGS, COMPOSED BARK, OR EQUIVALENT MANUFACTURED PRODUCTS.
5. WOOD AND BARK CHIPS, GROUND CONSTRUCTION DEBRIS, OR REPROCESSED WOOD PRODUCTS SHALL NOT BE USED AS ORGANIC MATERIAL.
6. THE MIX SHALL NOT CONTAIN SILTS, CLAY, OR FINE SANDS.
7. THE MIX SHALL HAVE A PARTICLE SIZE BY WEIGHT OF 70 TO 85% PASSING A 6-INCH SCREEN AND A MAXIMUM OF 85% PASSING THE 0.75-INCH SCREEN.
8. THE MIX PH SHALL BE BETWEEN 5.0 AND 8.0.
9. THE BERM SHALL BE AT LEAST 12 INCHES HIGH AND AT LEAST 2 FEET WIDE.
10. TO BE CONSTRUCTED IAW NH SWM #3 4-2 SEDIMENT CONTROL PRACTICES, EROSION CONTROL MIX BERMS, PAGE 106.

## E7




MAINTENANCE

ALL STRUCTURES SHOULD BE INSPECTED AFTER EVERY RAIN STORM AND REPAIRS MADE AS NECESSARY. SEDIMENT SHOULD BE REMOVED FROM TRAPPING DEVICES AFTER THE SEDIMENT HAS REACHED A MAXIMUM OF ONE HALF THE DEPTH OF THE TRAP. THE SEDIMENT SHOULD BE DISPOSED OF IN A SUITABLE AREA AND PROTECTED FROM EROSION BY EITHER STRUCTURE OR VEGETATIVE MEANS. THE TEMPORARY TRAPS SHOULD BE REMOVED AND THE AREA REPAIRED AS SOON AS THE CONTRIBUTING DRAINAGE AREA TO THE INLET HAS BEEN COMPLETELY STABILIZED.

*BLOCK & GRAVEL DROP INLET SEDIMENT FILTER*

NOT TO SCALE

TO BE USED IN ALL AREAS WHERE THERE WILL BE NO TRAFFIC.

TO BE CONSTRUCTED IAW NH SWM #3 4-2 SEDIMENT CONTROL PRACTICES, TEMPORARY STORM DRAIN INLET PROTECTION, PAGE 118.

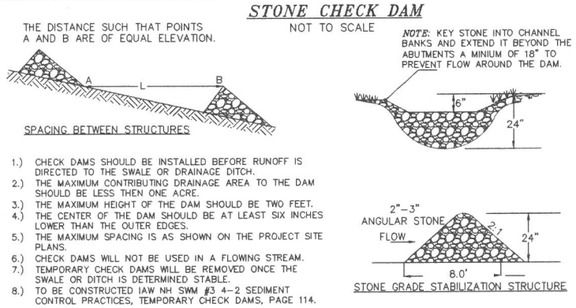
## E8 TEMPORARY EROSION CONTROL MEASURES

1. THE SMALLEST PRACTICAL AREA OF LAND SHALL BE EXPOSED AT ANY ONE TIME.
2. EROSION, SEDIMENT AND DETENTION MEASURES SHALL BE INSTALLED AS SHOWN ON THE PLANS AND AT LOCATIONS AS REQUIRED, DIRECTED BY THE ENGINEER.
3. ALL DISTURBED AREAS SHALL BE RETURNED TO ORIGINAL GRADES AND ELEVATIONS. DISTURBED AREAS SHALL BE LOAMED WITH A MINIMUM OF 4" OF LOAM AND SEEDED WITH NOT LESS THAN ONE POUND OF SEED PER 50 SQUARE YARDS OF AREA. (SEE SEED SPECIFICATIONS THIS SHEET)
4. ALL DISTURBED AREAS WILL BE RESTABILIZED WITHIN 45 DAYS. AT ANY ONE TIME, NO MORE THAN 5 ACRES, (217,800 Sq. FT.) WILL BE DISTURBED.
5. SILT FENCES AND PERIMETER BARRIERS SHALL BE INSPECTED PERIODICALLY AND AFTER EVERY RAIN DURING THE LIFE OF THE PROJECT. ALL DAMAGED AREAS SHALL BE REPAIRED, SEDIMENT DEPOSITS SHALL PERIODICALLY BE REMOVED AND DISPOSED OF.
6. AFTER ALL DISTURBED AREAS HAVE BEEN STABILIZED, THE TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE REMOVED AND THE AREA DISTURBED BY THE REMOVAL SMOOTHED AND RE-VEGETATED.
7. PER THE EPA CGP REQUIREMENTS THERE WILL BE REPORTS OF THE EROSION CONTROL INSPECTIONS IAW SWPPP PREPARED BY BS&E. ALL EROSION CONTROLS SHALL BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER 0.25" OR GREATER RAIN EVENT.
8. DITCHES, SWALES, AND BASINS SHALL BE STABILIZED PRIOR TO DIRECTING RUNOFF TO THEM.
9. DO NOT TRAFFIC EXPOSED SOIL SURFACES WITH CONSTRUCTION EQUIPMENT. IF FEASIBLE, PERFORM EXCAVATIONS WITH EQUIPMENT POSITIONED OUTSIDE THE LIMITS OF THE INFILTRATION SYSTEM.
10. DRIVEWAYS AND CUT AND FILL SPLOPES MUST BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINAL GRADE.
11. STABILIZATION MEANS:
    - 11.1. A MINIMUM OF 85% OF VEGETATIVE COVER HAS BEEN ESTABLISHED.
    - 11.2. A MINIMUM OF 3 INCHES OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIP RAP HAS BEEN INSTALLED, OR
    - 11.3. EROSION CONTROL BLANKETS HAVE BEEN INSTALLED.
12. THIS PROJECT IS TO BE MANAGED IN A MANNER THAT MEETS THE REQUIREMENTS AND INTENT OF RSA 430:53 AND CHAPTER AGR 3800 RELATIVE TO INVASIVE SPECIES.
13. THE NHDES STORMWATER MANUAL, IN THREE VOLUMES, DATED DECEMBER 2008, IS A PART OF THIS PLAN SET AND THE MORE RESTRICTIVE WILL GOVERN. (NH SWM)

## E9

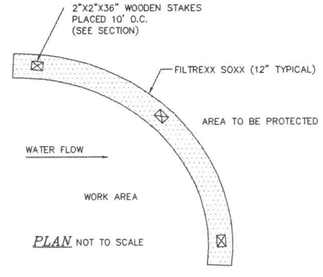
*STONE CHECK DAM*

NOT TO SCALE




1.) CHECK DAMS SHOULD BE INSTALLED BEFORE RUNOFF IS DIRECTED TO THE SWALE OR DRAINAGE DITCH.
2.) THE MAXIMUM CONTRIBUTING DRAINAGE AREA TO THE DAM SHOULD BE LESS THEN ONE ACRE.
3.) THE MAXIMUM HEIGHT OF THE DAM SHOULD BE TWO FEET.
4.) THE CENTER OF THE DAM SHOULD BE AT LEAST SIX INCHES LOWER THAN THE OUTER EDGES.
5.) THE MAXIMUM SPACING IS AS SHOWN ON THE PROJECT SITE PLANS.
6.) CHECK DAMS WILL NOT BE USED IN A FLOWING STREAM.
7.) TEMPORARY CHECK DAMS WILL BE REMOVED ONCE THE SWALE OR DITCH IS DETERMINED STABLE.
8.) TO BE CONSTRUCTED IAW NH SWM #3 4-2 SEDIMENT CONTROL PRACTICES, TEMPORARY CHECK DAMS, PAGE 114.

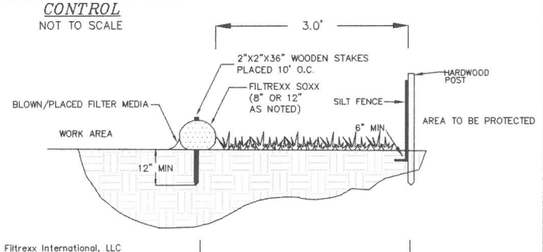
## E10




*PLAN* NOT TO SCALE

*FILTREXX SEDIMENT CONTROL*

NOT TO SCALE




NOTES

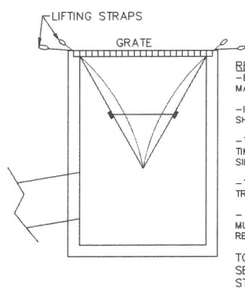
1. ALL MATERIAL TO MEET FILTREXX SPECIFICATIONS.
2. FILTER MEDIA FILL TO MEET APPLICATION REQUIRMENTS.
3. COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER.
4. SILTSOXX MAY BE USED IN PLACE OF SILT FENCE OR OTHER SEDIMENT BARRIERS.
5. SILTSOXX COMPOST/SOIL/ROCK/SEED FILL MATERIAL SHALL BE ADJUSTED AS NECESSARY TO MEET THE REQUIRMENTS OF THE SPECIFIC APPLICATION.
6. FILTREXX SOXX IS A REGISTERED TRADEMARK OF FILTREXXIN TERNATIONAL, LLC.
7. SILT FENCE IS NOT A SUBSTITUTION FOR SILT SOXX AND ANY EQUAL SUBSTITUTION TO BE APPROVED.
8. TO BE CONSTRUCTED IAW FILTREXX, SECTION 1:EROSION & SEDIMENT CONTROL (PAGE 323) - CONSTRUCTION ACTIVITIES, SWPPP CUT SHEET: FILTREXX SEDIMENT CONTROL

Filtrexx International, LLC
35481 Grafton Eastern Rd | Grafton, Oh 44044
440-926-2607 | fax: 440-926-4021
WWW.FILTREXX.COM
OR APPROVED EQUAL

NOTE: FOR AREAS REQUIRING DOUBLE PERIMETER CONTROL WITHIN 50' OF JURISDICTIONAL WETLANDS AND NOT FOR ALL SILT SOXX APPLICATIONS. THIS DUPLICATION MAY BE SPECIFIED AS 12" SILT SOXX OR ORANGE CONSTRUCTION FENCE AS NOTED.

*SECTION* NOT TO SCALE

## E11




RECOMMENDED MAINTENANCE SCHEDULE

-EACH SILTSACK SHOULD BE INSPECTED AFTER EVERY MAJOR RAIN EVENT, AND MUST BE MAINTAINED.

-IF THERE HAVE BEEN NO MAJOR EVENTS, SILTSACK SHOULD BE INSPECTED EVERY 2-3 WEEKS.

-THE RESTRAINT CORD SHOULD BE VISIBLE AT ALL TIMES. IF CORD IS COVERED WITH SEDIMENT, THE SILTSACK SHOULD BE EMPTIED.

-TO BE USED IN ALL AREAS WHERE THERE WILL BE TRAFFIC.

- ARE SUBJECT TO DAMAGE BY SNOW PLOWS, AND MUST BE INSPECTED AFTER ANY SNOW EVENT AND REPLACED AS REQUIRED.

TO BE CONSTRUCTED IAW NH SWM #3 4-2 SEDIMENT CONTROL PRACTICES, TEMPORARY STORM DRAIN INLET PROTECTION, PAGE 118.

*SILTSACK DETAIL*

NOT TO SCALE

**E-101**

| REVISION | DATE | DESCRIPTION |
|---|---|---|
| | | |

EROSION & SEDIMENT CONTROL DETAILS

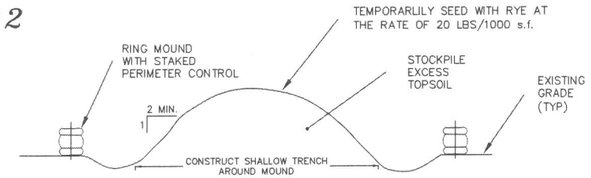
FOR
DONALD TOY
418 OLD DOVER ROAD
ROCHESTER, N.H.
*TAX MAP 256, LOT 53 & 54-1*


BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (332-2863)


AS NOTED
DATE : JUNE 11, 2019
FILE NO. : DB 2015 - 151

STATE OF NEW HAMPSHIRE
KENNETH A. BERRY
No. 14243
LICENSED PROFESSIONAL ENGINEER

## E12



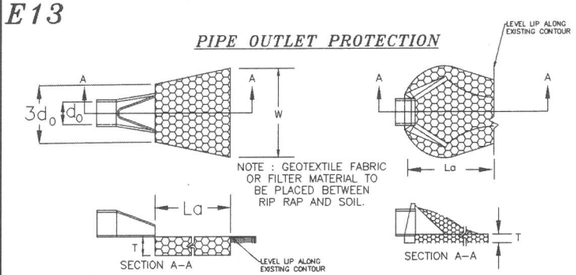

TO BE CONSTRUCTED IAW NH SWM #3 4-1 EROSION CONTROL PRACTICES, SOIL STOCKPILE PRACTICES, PAGE 46.

***TOPSOIL STOCKPILE MOUND***

NOT TO SCALE

## E13

***PIPE OUTLET PROTECTION***




PIPE OUTLET TO FLAT AREA WITH NO DEFINED CHANNEL

PIPE OUTLET TO WELL-DEFINED CHANNEL

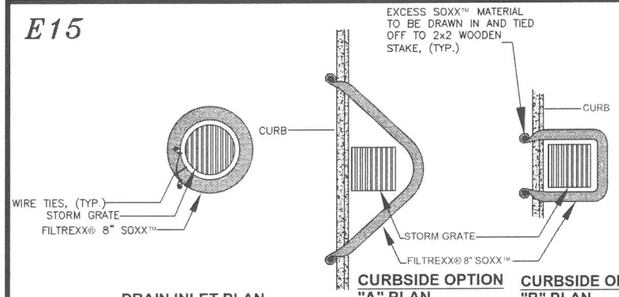
***PIPE OUTLET PROTECTION CONSTRUCTION SPECIFICATIONS***

1. THE SUB GRADE FOR THE FILTER MATERIAL, GEOTEXTILE FABRIC, AND RIP RAP SHALL BE PREPARED TO THE LINES AND GRADES SHOWN ON THE PLANS. SPECIFIED GRADATION.
2. THE ROCK OR GRAVEL USED FOR FILTER OF RIP RAP SHALL CONFORM TO NHDOT SECTION 583.
3. GEOTEXTILE FABRICS SHALL BE PROTECTED FROM PUNCTURE OR TEARING DURING THE PLACEMENT OF THE ROCK RIP RAP DAMAGED AREAS IN THE FABRIC SHALL BE REPAIRED BY PLACING A PIECE OF FABRIC OVER THE DAMAGED AREA OR BY COMPLETE REPLACEMENT OF THE FABRIC. ALL OVERLAPS REQUIRED FOR REPAIRS OR JOINING TWO PIECES OF FABRIC SHALL BE A MINIMUM OF 12 INCHES.
4. STONE FOR THE RIP RAP MAY BE PLACED BY EQUIPMENT AND SHALL BE CONSTRUCTED TO THE FULL LAYER THICKNESS IN ONE OPERATION AND IN SUCH A MANNER AS TO PREVENT SEGREGATION OF THE STONE SIZES.
5. TO BE CONSTRUCTED IAW NH SWM #2 4-6 CONVEYANCE PRACTICES, 6. OUTLET PROTECTION, PAGE 172.

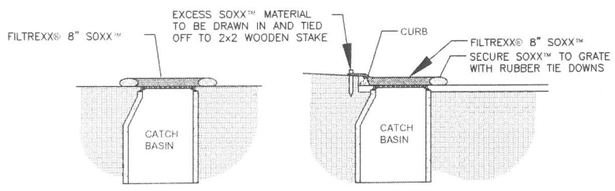
## E14

| TABLE 7-24--RECOMMENDED RIP RAP GRADATION RANGES | | | | |
|---|---|---|---|---|
| d50 SIZE= | 0.5 | FEET | 6 | INCHES |
| % OF WEIGHT SMALLER THAN THE GIVEN d50 SIZE | | SIZE OF STONE (INCHES) FROM | | TO |
| 100% | | 9 | | 12 |
| 85% | | 8 | | 11 |
| 50% | | 6 | | 9 |
| 15% | | 2 | | 3 |

## E15




**DRAIN INLET PLAN** | **CURBSIDE OPTION "A" PLAN** | **CURBSIDE OPTION "B" PLAN**




**DRAIN INLET SECTION** | **CURBSIDE SECTION**

NOTES:
1. ALL MATERIAL TO MEET FILTREXX® SPECIFICATIONS.
2. FILTER MEDIA™ FILL TO MEET APPLICATION REQUIREMENTS.
3. COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER.

***FILTREXX INLET PROTECTION***

NOT TO SCALE

## E16

NOTE: Temporary seed mix for stabilization of turf shall be winter rye or oats at a rate of 2.5 lbs. per 1000 s.f. and shall be placed prior to OCT. 15. If permanent seeding not yet complete.

NOTE: THIS PROJECT IS TO BE MANAGED IN A MANNER THAT MEETS THE REQUIREMENTS AND INTENT OF RSA 430:53 AND CHAPTER AGR 3800 RELATIVE TO INVASIVE SPECIES.

SEEDING GUIDE

| USE | SEEDING MIXTURE 1/ | DROUGHTY | WELL DRAINED | MODERATELY WELL DRAINED | POORLY DRAINED |
|---|---|---|---|---|---|
| STEEP CUTS AND FILLS, BORROW AND DISPOSAL AREAS | A | FAIR | GOOD | GOOD | FAIR |
| | B | POOR | GOOD | FAIR | FAIR |
| | C | POOR | GOOD | EXCELLENT | GOOD |
| | D | FAIR | EXCELLENT | EXCELLENT | EXCELLENT |
| | E | FAIR | EXCELLENT | EXCELLENT | POOR |
| WATERWAYS, EMERGENCY SPILLWAYS, AND OTHER CHANNELS WITH FLOWING WATER. | A | GOOD | GOOD | GOOD | FAIR |
| | C | GOOD | EXCELLENT | EXCELLENT | FAIR |
| | D | GOOD | EXCELLENT | EXCELLENT | FAIR |
| LIGHTLY USED PARKING LOTS, OOD AREAS, UNUSED LANDS, AND LOW INTENSITY USE RECREATION SITES. | A | GOOD | GOOD | GOOD | FAIR |
| | B | GOOD | GOOD | FAIR | POOR |
| | C | GOOD | EXCELLENT | EXCELLENT | FAIR |
| | D | FAIR | GOOD | GOOD | FAIR |
| PLAY AREAS AND ATHLETIC FIELDS. (TOPSOIL IS ESSENTIAL FOR GOOD TURF.) | F | FAIR | EXCELLENT | EXCELLENT | 2/ |
| | G | FAIR | EXCELLENT | EXCELLENT | 2/ |

GRAVEL PIT, SEE NH-PM-24 IN APPENDIX FOR RECOMMENDATION REGARDING RECLAMATION OF SAND AND GRAVEL PITS.

1/ REFER TO SEEDING MIXTURES AND RATES IN TABLE 7-36.

2/ POORLY DRAINED SOILS ARE NOT DESIRABLE FOR USE AS PLAYING AREA AND ATHLETIC FIELDS.

RECOMMENDED *

SEEDING RATES

| MIXTURE | POUNDS PER ACRE | POUNDS PER 1,000 Sq. Ft. |
|---|---|---|
| A. TALL FESCUE | 20 | 0.45 |
| CREEPING RED FESCUE | 20 | 0.45 |
| RED TOP | 2 | 0.05 |
| TOTAL | 42 | 0.95 |
| B. TALL FESCUE | 15 | 0.35 |
| CREEPING RED FESCUE | 10 | 0.25 |
| CROWN VETCH | 15 | 0.35 |
| OR | | |
| FLAT PEA | 30 | 0.75 |
| TOTAL | 40 OR 55 | 0.95 OR 1.35 |
| C. TALL FESCUE | 24 | 0.55 |
| CREEPING RED FESCUE | 24 | 0.55 |
| BIRDS FOOT TREFOIL | REMOVED | REMOVED |
| TOTAL | 48 | 1.10 |
| D. TALL FESCUE | 20 | 0.45 |
| FLAT PEA | 30 | 0.75 |
| TOTAL | 50 | 1.20 |
| E. CREEPING RED FESCUE 1/ | 50 | 1.15 |
| KENTUCKY BLUEGRASS 1/ | 50 | 1.15 |
| TOTAL | 100 | 2.30 |
| F. TALL FESCUE 1 | 150 | 3.60 |

***SEEDING SPECIFICATIONS***

1. GRADING AND SHAPING
   A. SLOPES SHALL NOT BE STEEPER THAN 2:1;3:1 SLOPES OR FLATTER ARE PREFERRED.
   WHERE MOWING WILL BE DONE, 3:1 SLOPES OR FLATTER ARE RECOMMENDED.
2. SEEDBED PREPARATION
   A. SURFACE AND SEEPAGE WATER SHOULD BE DRAINED OR DIVERTED FROM THE SITE TO PREVENT DROWNING OR WINTER KILLING OF THE PLANTS.
   B. STONES LARGER THAN 4 INCHES AND TRASH SHOULD BE REMOVED BECAUSE THEY INTERFERE WITH SEEDING AND FUTURE MAINTENANCE OF THE AREA. WHERE FEASIBLE, THE SOIL SHOULD BE TILLED TO A DEPTH OF ABOUT 4 INCHES TO PREPARE A SEED BED AND MIX FERTILIZER AND LIME INTO THE SOIL. THE SEEDBED SHOULD BE LEFT IN REASONABLY FIRM AND SMOOTH CONDITION. THE LAST TILLAGE OPERATION SHOULD BE PERFORMED ACROSS THE SLOPE WHEREVER PRACTICAL.
3. ESTABLISHING A STAND
   A. LIME AND FERTILIZER SHOULD BE APPLIED PRIOR TO OR AT THE TIME OF SEEDING
   AND INCORPORATED INTO THE SOIL KINDS AND AMOUNTS OF LIME AND FERTILIZER SHOULD BE BASED ON AN EVALUATION OF SOIL TESTS. WHEN A SOIL TEST IS NOT AVAILABLE,
   THE FOLLOWING MINIMUM AMOUNTS SHOULD BE APPLIED:
   AGRICULTURAL LIMESTONE, 2 TONS PER ACRE OR 100LBS. PER 1,000 SQ.FT.
   NITROGEN(N), 50LBS. PER ACRE OR 1.1LBS. PER 1,000 SQ.FT.
   PHOSPHATE(P2O5), 100LBS. PER ACRE OR 2.2LBS. PER 1,000 SQ.FT.
   POTASH(K2O), 100LBS. PER ACRE OR 2.2LBS. PER 1,000 SQ.FT.
   (NOTE: THIS IS THE EQUIVALENT OF 500LBS. PER ACRE OF 10-20-20 FERTILIZER OR 1,000LBS. PER ACRE OF 5-10-10.)

***RAIN GARDEN MIX***

THE GRASS THAT IS PLANTED WITHIN A RAIN GARDEN BIO-FILTRATION SYSTEM WITHIN THE BIO-MEDIA MUST CONSIST OF A COMBINATION OF WARM SEASON GRASS SEED AND COLD SEASON GRASS SEED IN ORDER FOR THE GRASS TO START GROWING FOR STABILIZATION AND CONTINUE GROWING IN THE SANDY WELL-DRAINED ENVIRONMENT. PLANTING SPECIFICATION WILL MEET THE REQUIREMENTS AS OUTLINED IN "VEGETATION NEW HAMPSHIRE SAND AND GRAVEL PITS' MIX 1 (WARM SEASON GRASSES) (15 LBS/AC) AND INCLUDE ANNUAL AND PERENNIAL RYE GRASS SEED (15 LBS/AC); THE NEW ENGLAND NATIVE WARM SEASON GRASS MIX (23 LBS/AC) BY NEW ENGLAND WETLAND PLANTS, INC.; RAIN GARDEN MIX 180 (15 LBS/AC & 15 LBS/AC OF RYE) / RAIN GARDEN GRASS MIX 180-1 (20 LBS/AC & 10 LBS/AC OF RYE) BY ERNST CONSERVATION SEEDS; OR APPROVED EQUAL.

| CONSERVATION MIX | POUNDS PER ACRE | POUNDS PER 1,000 S.F. |
|---|---|---|
| TALL FESCUE (24%) | 15 | 0.35 |
| CREEPING RED FESCUE (24%) | 15 | 0.35 |
| ANNUAL RYEGRASS (8.5%) | 5 | 0.12 |
| PERENNIAL RYEGRASS (8.5%) | 5 | 0.12 |
| KENTUCKY BLUEGRASS (24%) | 15 | 0.35 |
| WHITE CLOVER (11%) | 7 | 0.16 |

B. SEED SHOULD BE SPREAD UNIFORMLY BY THE METHOD MOST APPROPRIATE FOR THE SITE. METHODS INCLUDE BROADCASTING, DRILLING AND HYDROSEEDING. WHERE BROADCASTING IS USED, COVER SEED WITH .25 INCH OF SOIL OR LESS, BY CULTIPACKING OR RAKING.
C. REFER TO TABLE(G-E1 THIS SHEET) FOR APPROPRIATE SEED MIXTURES AND TABLE(H-E1 THIS SHEET) FOR RATES OF SEEDING. ALL LEGUMES (CROWNVETCH, BIRDSFOOT TREFOIL, AND FLATPEA) MUST BE INOCULATED WITH THEIR SPECIFIC INOCULANT.
D. WHEN SEEDED AREAS ARE MULCHED, PLANTINGS MAY BE MADE FROM EARLY SPRING TO EARLY OCTOBER. WHEN SEEDED AREAS ARE NOT MULCHED, PLANTINGS SHOULD BE MADE FROM EARLY SPRING TO MAY 20 OR FROM AUGUST 10 TO SEPTEMBER 1.

4. MULCH
   A. HAY, STRAW, OR OTHER MULCH, WHEN NEEDED, SHOULD BE APPLIED IMMEDIATELY AFTER SEEDING.
   B. MULCH WILL BE HELD IN PLACE USING APPROPRIATE TECHNIQUES FROM THE BEST MANAGEMENT PRACTICE FOR MULCHING. HAY OR STRAW MULCH SHALL BE PLACED AT A RATE OF 90LBS PER 1000 S.F.
5. MAINTENANCE TO ESTABLISH A STAND
   A. PLANTED AREA SHOULD BE PROTECTED FROM DAMAGE BY FIRE, GRAZING, TRAFFIC, AND DENSE WEED GROWTH.
   B. FERTILIZATION NEEDS SHOULD BE DETERMINED BY ONSITE INSPECTIONS. SUPPLEMENTAL FERTILIZER IS USUALLY THE KEY TO FULLY COMPLETE THE ESTABLISHMENT OF THE STAND BECAUSE MOST PERENNIAL STAKE 2 TO 3 YEARS TO BECOME ESTABLISHED.
   C. IN WATERWAYS, CHANNELS, OR SWALES WHERE UNIFORM FLOW CONDITIONS ARE ANTICIPATED, OCCASIONAL MOWING MAY BE NECESSARY TO CONTROL GROWTH OF WOODY VEGETATION.
6. TO BE CONSTRUCTED IAW NH SWM #3 4-1 EROSION CONTROL PRACTICES, PERMANENT VEGETATION, PAGE 60.

## E17 *CONSTRUCTION SEQUENCE:*

1.) CUT AND REMOVE TREES IN CONSTRUCTION AREA ONLY AS REQUIRED, RELOCATE ANY PROJECT T.B.M.

2.) CONSTRUCT AND/OR INSTALL TEMPORARY AND PERMANENT SEDIMENT EROSION AND DETENTION CONTROL FACILITIES AS SPECIFIED. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY SOIL LAND DISTURBANCE AND MUST BE REVIEWED AND APPROVED BY THE COMMUNITY SERVICES DEPARTMENT.

3.) EROSION, SEDIMENT AND DETENTION CONTROL FACILITY SHALL BE INSTALLED & STABILIZED PRIOR TO DIRECTING RUNOFF TO THEM.TEMPORARY DIVERSIONS MAY BE REQUIRED. POST CONSTRUCTION STORM WATER MANAGEMENT PRACTICES MUST BE INITIATED AND STABILIZED EARLY IN THE PROCESS.

4.) CLEAR, CUT AND DISPOSE OF DEBRIS IN APPROVED FACILITY

5.) CONSTRUCT TEMPORARY CULVERTS AS REQUIRED, OR DIRECTED

6.) CONSTRUCT ROADWAYS FOR ACCESS TO DESIRED CONSTRUCTION AREAS. ALL ROADS SHALL BE STABILIZED IMMEDIATELY

7.) START BUILDING CONSTRUCTION

8.) INSTALL PIPE AND CONSTRUCTION ASSOCIATED APPURTENANCES AS REQUIRED OR DIRECTED. INSTALL RAIN GARDENS. ALL DISTURBED AREAS SHALL STABILIZED IMMEDIATELY AFTER GRADING.

9.) BEGIN PERMANENT AND TEMPORARY SEEDING AND MULCHING. ALL CUT AND FILL SLOPES AND DISTURBED AREAS SHALL BE SEEDED OR MULCHED AS REQUIRED, OR DIRECTED. NO AREA IS ALLOWED TO BE DISTURBED FOR A LENGTH OF TIME THAT EXCEEDS 60 DAYS BEFORE BEING STABILIZED. DAILY, OR AS REQUIRED. ALL ROADWAYS AND PARKING AREAS SHALL BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADES. ALL CUT AND FILL SLOPES SHALL BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADES.

10.) CONSTRUCT TEMPORARY BERMS, DRAINS DITCHES, SILT FENCES, SEDIMENT TRAPS, ETC. MULCH AND SEED AS REQUIRED.

11.) INSPECT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES DURING CONSTRUCTION. ALL SWPPP INSPECTIONS MUST BE CONDUCTED BY A QUALIFIED PROFESSIONAL SUCH AS A PROFESSIONAL ENGINEER (PE), A CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (CPESC), A CERTIFIED EROSION SEDIMENT AND STORM WATER INSPECTOR (CESSWI), OR A CERTIFIED PROFESSIONAL IN STORM WATER QUALITY (CPSWQ). INSPECTION REPORTS SHALL BE SUBMITTED TO THE COMMUNITY SERVICES DEPARTMENT.

12.) COMPLETE PERMANENT SEEDING AND LANDSCAPING.

13.) REMOVE TEMPORARY EROSION CONTROL MEASURES AFTER SEEDING AREAS HAVE ESTABLISHED THEMSELVES AND SITE IMPROVEMENTS ARE COMPLETE.

14.) SMOOTH AND REVEGETATE ALL DISTURBED AREAS.

15.) FINISH PAVING ALL ROADWAYS.

NOTE: CITY OF DOVER'S "CONSTRUCTION GUIDELINES, PERMITS, RULES AND REGULATIONS" ARE A PART OF THIS PLAN SET AND THE MORE RESTRICTIVE WILL GOVERN. (D-CGPRR)

## E18 *DEFINITION OF STABLE:*

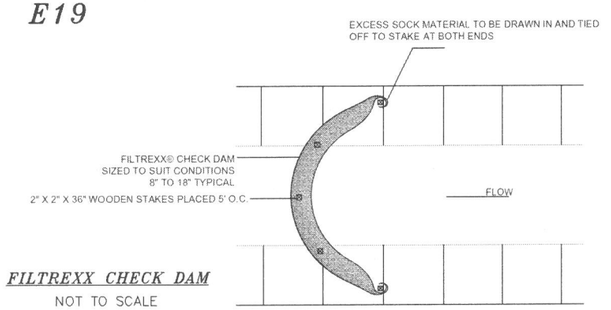
PER ENV-WQ 1500 ALTERATION OF TERRAIN

1. BASE COURSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED.
2. A MINIMUM OF 85 PERCENT VEGETATED GROWTH HAS BEEN ESTABLISHED..
3. A MINIMUM OF 3 INCHES OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIP-RAP HAS BEEN INSTALLED.
4. OR, EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.

ADDITION STABILIZATION NOTES:

5. HAY MULCH OR OTHER APPROVED METHODS SHALL BE USED TO CONTROL EROSION OF NEWLY GRADED AREAS. ALL CUT AND FILL SLOPES SHALL BE SEEDED AND MULCHED WITHIN 72 HOURS AFTER THEIR CONSTRUCTION.
6. DISTURBED SOIL AREAS SHALL BE EITHER TEMPORARILY OR PERMANENTLY STABILIZED. IN AREAS WHERE FINAL GRADING HAS NOT OCCURRED, TEMPORARY STABILIZATION MEASURES SHOULD BE IN PLACE WITHIN SEVEN (7) CALENDAR DAYS FOR EXPOSED SOIL AREAS THAT ARE WITHIN ONE HUNDRED (100) FEET OF A SURFACE WATER BODY OR A WETLAND AND NO MORE THAN 14 CALENDAR DAYS FOR ALL OTHER AREAS. PERMANENT STABILIZATION SHOULD BE IN PLACE WITHIN THREE (3) CALENDAR DAYS FOLLOWING COMPLETION OF FINAL GRADING OF EXPOSED SOIL AREAS.

## E19

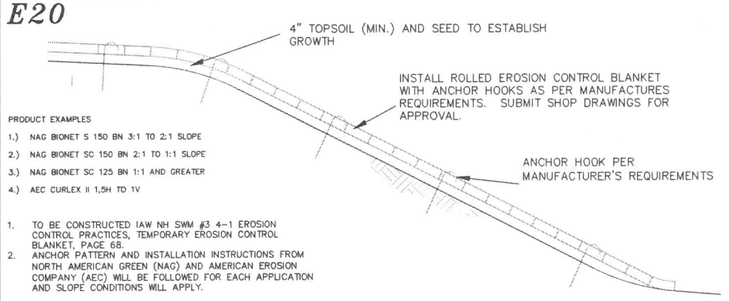



***FILTREXX CHECK DAM***

NOT TO SCALE

NOTES:
1. ALL MATERIAL TO MEET FILTREXX® SPECIFICATIONS.
2. CHECK DAM SHOULD BE USED IN AREAS THAT DRAIN 10 ACRES OR LESS.
3. SEDIMENT SHOULD BE REMOVED FROM BEHIND CHECK DAM ONCE THE ACCUMULATED HEIGHT HAS REACHED ½ THE HEIGHT OF THE CHECK DAM.
4. CHECK DAM CAN BE DIRECT SEEDED AT THE TIME OF INSTALLATION.
5. CONTRACTOR IS REQUIRED TO BE A FILTREXX CERTIFIED™ INSTALLER.

## E20




PRODUCT EXAMPLES

1.) NAG BIONET S 150 BN 3:1 TO 2:1 SLOPE
2.) NAG BIONET SC 150 BN 2:1 TO 1:1 SLOPE
3.) NAG BIONET SC 125 BN 1:1 AND GREATER
4.) AEC CURLEX II 1.5H TO 1V

1. TO BE CONSTRUCTED IAW NH SWM #3 4-1 EROSION CONTROL PRACTICES, TEMPORARY EROSION CONTROL BLANKET, PAGE 68.
2. ANCHOR PATTERN AND INSTALLATION INSTRUCTIONS FROM NORTH AMERICAN GREEN (NAG) AND AMERICAN EROSION COMPANY (AEC) WILL BE FOLLOWED FOR EACH APPLICATION AND SLOPE CONDITIONS WILL APPLY.

***ROLLED EROSION CONTROL BLANKET (RECB)***
***SLOPE STABILIZATION DETAIL***

NOT TO SCALE

## E21

***WINTER STABILIZATION NOTES***

1. ALL DISTURBED AREAS THAT DO NOT HAVE AT LEAST 85% VEGETATIVE COVERAGE PRIOR TO OCTOBER 15TH SHALL BE STABILIZED BY APPLYING MULCH AT A RATE OF 3-4 TONS PER ACRE. ALL SIDE SLOPES, STEEPER THAN 4:1, THAT ARE NOT DIRECTED TO SWALES OR DETENTION BASINS, SHALL BE LINED WITH BIODEGRADABLE/PHOTODEGRADABLE "JUTE MATTING" (EXCELSIOR'S CURLEX II OR EQUAL). ALL OTHER SLOPES SHALL BE MULCHED AND TACKED AT A RATE OF 3-4 TONS PER ACRE. THE APPLICATION OF MULCH AND/OR JUTE MATTING SHALL NOT OCCUR OVER EXISTING SNOW COVER. IF THE SITE IS ACTIVE AFTER OCTOBER 15TH, ANY SNOW THAT ACCUMULATES ON DISTURBED AREAS SHALL BE REMOVED. PRIOR TO SPRING THAW ALL AREAS WILL BE STABILIZED, AS DIRECTED ABOVE.

2. ALL SWALES THAT DO NOT HAVE FULLY ESTABLISHED VEGETATION SHALL BE EITHER LINED WITH TEMPORARY JUTE MATTING OR TEMPORARY STONE CHECK DAMS (APPROPRIATELY SPACED). STONE CHECK DAMS WILL BE MAINTAINED THROUGHOUT THE WINTER MONTHS. IF THE SWALES ARE TO BE MATTED WITH PERMANENT LINERS OR RIPRAP WITH ENGINEERING FABRIC, THIS SHALL BE COMPLETED PRIOR TO WINTER SHUTDOWN OR AS SOON AS THEY ARE PROPERLY GRADED AND SHAPED.

3. PRIOR TO OCT. 15TH ALL ROADWAY AND PARKING AREAS SHALL BE BROUGHT UP TO AND THROUGH THE BANK RUN GRAVEL APPLICATION. IF THESE AREAS' ELEVATIONS ARE PROPOSED TO REMAIN BELOW THE PROPOSED SUBGRADE ELEVATION, THE SUBGRADE MATERIAL SHALL BE ROUGHLY CROWNED AND A 3" LAYER OF CRUSHED GRAVEL SHALL BE PLACED AND COMPACTED. THIS WILL ALLOW THE SUBGRADE TO SHED RUNOFF AND WILL REDUCE ROADWAY EROSION. THIS CRUSHED GRAVEL DOES NOT HAVE TO CONFORM TO NH DOT 304.3, BUT SHALL HAVE BETWEEN 15-25% PASSING THE #200 SIEVE AND THE LARGEST STONE SIZE SHALL BE 2". IF THE SITE IS ACTIVE AFTER OCTOBER 15TH, ANY ACCUMULATED SNOW SHALL BE REMOVED FROM ALL ROADWAY AND PARKING AREAS.

4. AFTER OCTOBER 15TH, THE END OF NEW HAMPSHIRE'S AVERAGE GROWING SEASON, NO ADDITIONAL LOAM SHALL BE SPREAD ON SIDE SLOPES AND SWALES. THE STOCKPILES THAT WILL BE LEFT UNDISTURBED UNTIL SPRING SHALL BE SEEDED BY THIS DATE. AFTER OCTOBER 15TH, ANY NEW OR DISTURBED PILES SHALL BE MULCHED AT A RATE OF 3-4 TONS PER ACRE. ALL STOCKPILES THAT WILL REMAIN THROUGHOUT THE WINTER SHALL BE SURROUNDED WITH SILT FENCING.

**E-102**

| REVISION | DATE | DESCRIPTION |
|---|---|---|
| | | |

EROSION & SEDIMENT CONTROL DETAILS

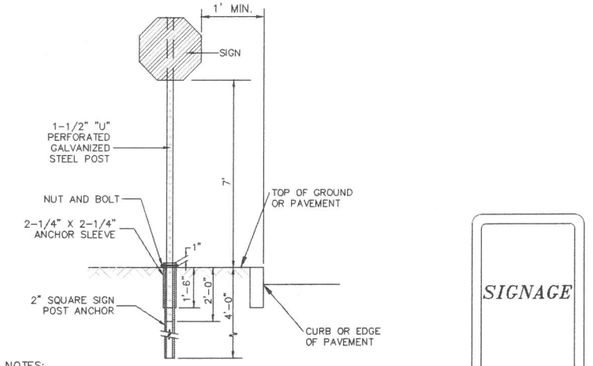
FOR
DONALD TOY
418 OLD DOVER ROAD
ROCHESTER, N.H.
*TAX MAP 256, LOT 53 & 54-1*


BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (332-2863)


AS NOTED
DATE : JUNE 11, 2019
FILE NO. : DB 2015 - 151

STATE OF NEW HAMPSHIRE
KENNETH A. BERRY
No. 14243
LICENSED PROFESSIONAL ENGINEER

## C1



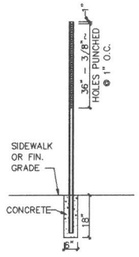

NOTES:

1. ALL SIGNAGE SHALL BE TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) STANDARDS AND NHDOT STANDARDS.
2. THE CONTRACTOR SHALL PROVIDE SHOP DRAWINGS/CATALOG CUTS TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO ERECTING SIGNS.
3. THE LOCATION OF THE SIGNS SHALL BE AS INDICATED ON THE DRAWINGS AND/OR AS DIRECTED BY THE CITY OF ROCHESTER DEPARTMENT OF PUBLIC WORKS.

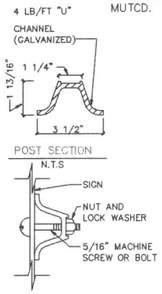
*TYPICAL SIGN POST*
(NOT TO SCALE)




PARTIAL ELEVATION
N.T.S.




POST
N.T.S.

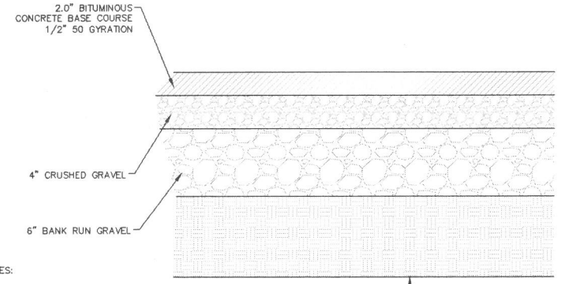



MOUNTING
N.T.S.


SIGN BACKGROUND TO BE WHITE. LETTERING TO BE WHITE, OCTAGON TO BE RED.

SIGN R1-1 AS SHOWN IN THE MUTCD. INSTALLATION WILL BE IN ACCORDANCE WITH THE MUTCD.

## C2




NOTES:

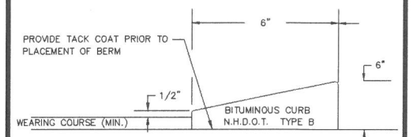
1.) BITUMINOUS MATERIALS SHALL CONFORM TO NHDOT SPECIFICATION SUBSECTION 401.3.6.

2.) PAVEMENT BASE COURSE AGGEGATE SHALL CONFORM TO NHDOT SPECIFICATION SECTION 304, ITEM 304.3 AND COMPACTED TO A MINIMUM OF 95% OF MODIFIED PROCTOR MAXIMUM DRY DENSITY.

3.) PAVEMENT SUBBASE COURSE AGGREGATE AND AGGREGATE FOR SUBGRADE REPAIR AREAS SHALL BE SUITABLE FOR USE AS STRUCTURAL FILL AND BE PROOFROLLED AND COMPABED TO 95% OF MODIFIED PROCTOR MAXIMUM DRY DENSITY. FOR NEW CONSTRUCTION AREAS ONLY. IN EXISTING PAVEMENT AREAS THE CONTRACTOR IS TO ENSURE THE BASE MATERIAL IS SUITABLE TO THE OWNER FOR RE-PAVING

*BITUMINOUS CONCRETE PAVEMENT SECTION (DRIVEWAY)*
NOT TO SCALE

## C3

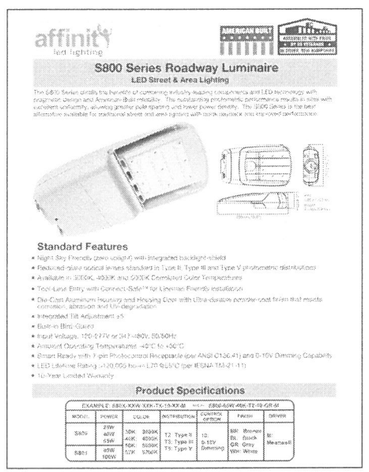



*MODIFIED CAPE COD BERM*
NOT TO SCALE

## C4

*TYPICAL RESIDENTIAL LAMP "A"*

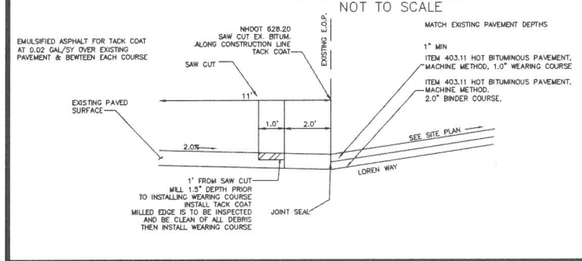
*MOUNTED 8' ON UNITS*



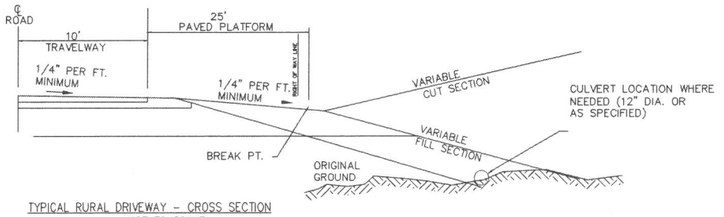

*EVERSOURCE POLE MOUNTED LAMP*

## C5

TYPICAL EDGE LINE CONSTRUCTION
NOT TO SCALE

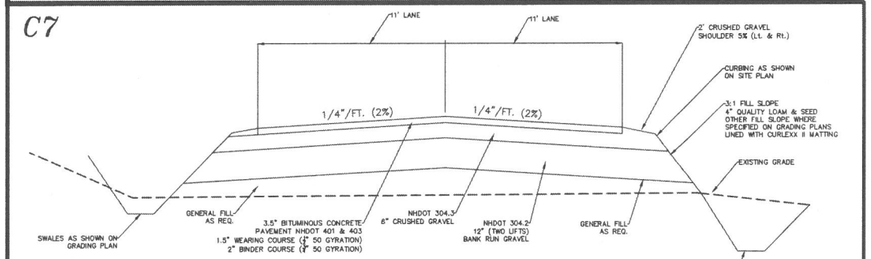



## C6

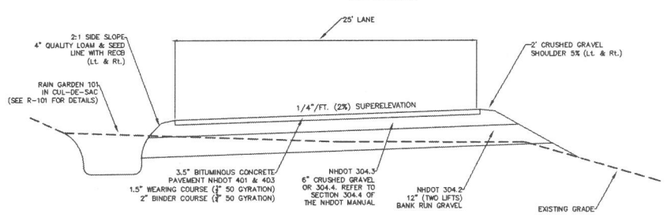



TYPICAL RURAL DRIVEWAY - CROSS SECTION
NOT TO SCALE

## C7



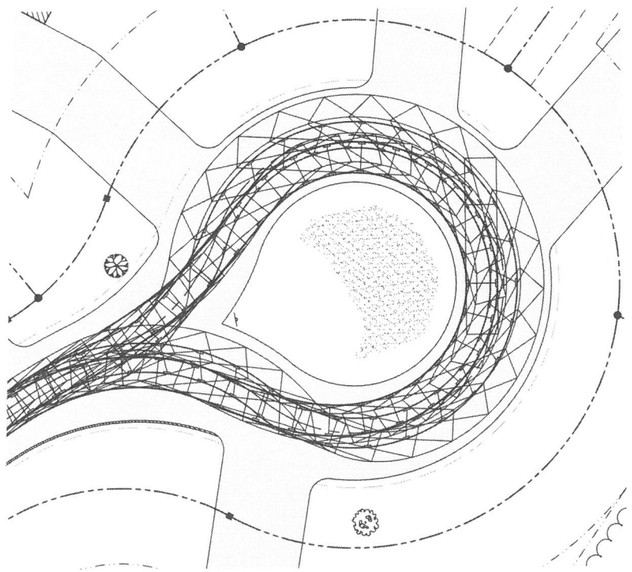

*TYPICAL ROADWAY SECTION LOREN 0+00-10+89.73*
NOT TO SCALE




*TYPICAL CUL-DE-SAC SECTION LOREN WAY 10+89.73-END*
NOT TO SCALE

## C8

*ROCHESTER FIRE TRUCK TURNING TEMPLATE* HORIZONTAL SCALE: 1" = 20'



C-101

| REVISION | DATE | DESCRIPTION |
|---|---|---|
| | | |

CONSTRUCTION DETAILS
FOR
DONALD TOY
418 OLD DOVER ROAD
ROCHESTER, N.H.
*TAX MAP 256, LOT 53 & 54-1*


BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (332-2863)

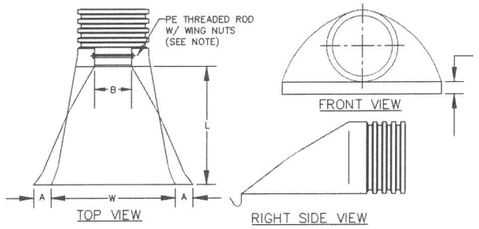

AS NOTED
DATE : JUNE 11, 2019
FILE NO. : DB 2015 - 151

STATE OF NEW HAMPSHIRE
KENNETH A. BERRY
No. 14243
LICENSED PROFESSIONAL ENGINEER

## D1

| PART No. | PIPE SIZE | A | B(MAX) | H | L | W |
|---|---|---|---|---|---|---|
| 1510-NP | 15" 375 mm | 6.5" 165 mm | 10" 254 mm | 6.5" 165 mm | 25" 635 mm | 29" 735 mm |
| 1810-NP | 18" 450 mm | 7.5" 190 mm | 15" 380 mm | 6.5" 165 mm | 32" 812 mm | 35" 890 mm |
| 2410-NP | 24" 600 mm | 7.5" 190 mm | 18" 450 mm | 6.5" 165 mm | 36" 900 mm | 45" 1140 mm |
| 3010-NP | 30" 750 mm | 10.5" 266 mm | N/A | 7.0" 178 mm | 53" 1345 mm | 68" 1725 mm |
| 3610-NP | 36" 900 mm | 10.5" 266 mm | N/A | 7.0" 178 mm | 53" 1345 mm | 68" 1725 mm |

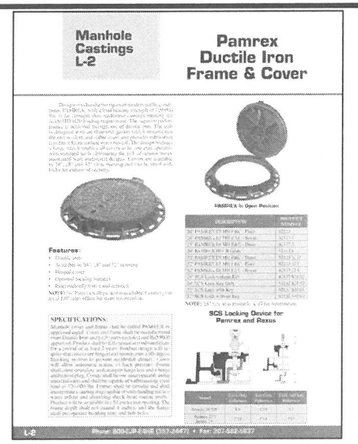
NOTE: PE THREADED ROD W/ WING NUTS PROVIDED FOR END SECTIONS 15"-24". 30" & 36" END SECTIONS TO BE WELDED PER MANUFACTURER'S RECOMMENDATIONS.




ADS N-12 FLARED END SECTIONS

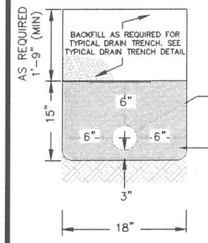
NOT TO SCALE (ALL DIMENSIONS ARE NOMINAL)

## D2




DRAIN MANHOLE COVER DETAIL

## D3




TYPICAL CROSS SECTION

SUBDRAIN PIPE TO BE ADS N-12 PERFORATED (CORRUGATED EXTERIOR / SMOOTH INTERIOR) MEETING AASHTO M-252 WITH FILTER SOCK

PIPE SIZE PER SITE PLANS (PLACE HOLES DOWN)

NOTE: SUBDRAIN TO BE LAID WITH SLOPE OF FINISHED GROUND

NOTES:

CROWN OF 6" SUBDRAIN PIPES TO MATCH CROWN OF DRAIN PIPES IN CATCH BASINS

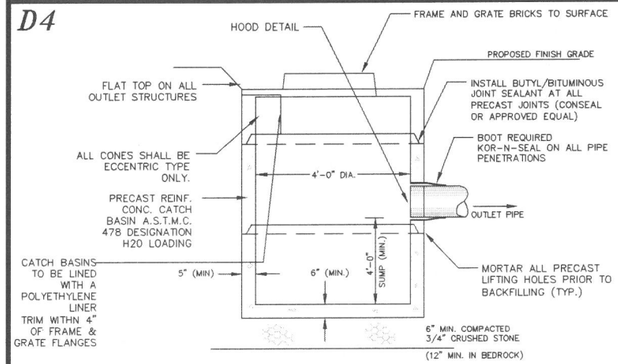
SUBDRAIN TO BE INSTALLED AS INDICATED ON THE DRAWINGS AND AS DIRECTED BY THE ENGINEER.

SHORING AND STABILIZING OF TRENCH SIDEWALLS DURING EXCAVATION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR ANY TRENCH EXCAVATION BEYOND THE LIMITS OF PAY EXCAVATION INDICATED.

SUBDRAIN DETAIL TYPICAL

NOT TO SCALE

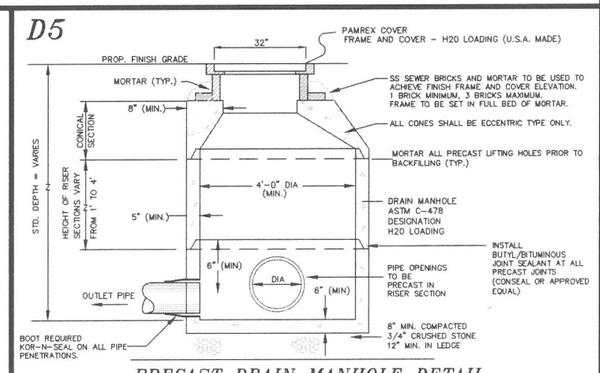
## D4




CATCH BASIN DETAIL

NOT TO SCALE

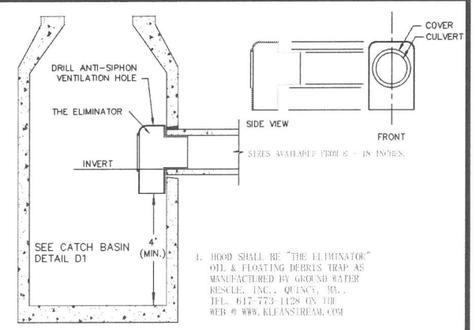
## D5




PRECAST DRAIN MANHOLE DETAIL

NOT TO SCALE

## D6




1. HOOD SHALL BE "THE ELIMINATOR" OIL & FLOATING DEBRIS TRAP AS MANUFACTURED BY GROUND WATER RESCUE, INC., QUINCY, MA., TEL. 617-773-1128 OR THE WEB @ WWW.KLEANSTREAM.COM

CATCH BASIN HOOD DETAIL

NOT TO SCALE

## D8

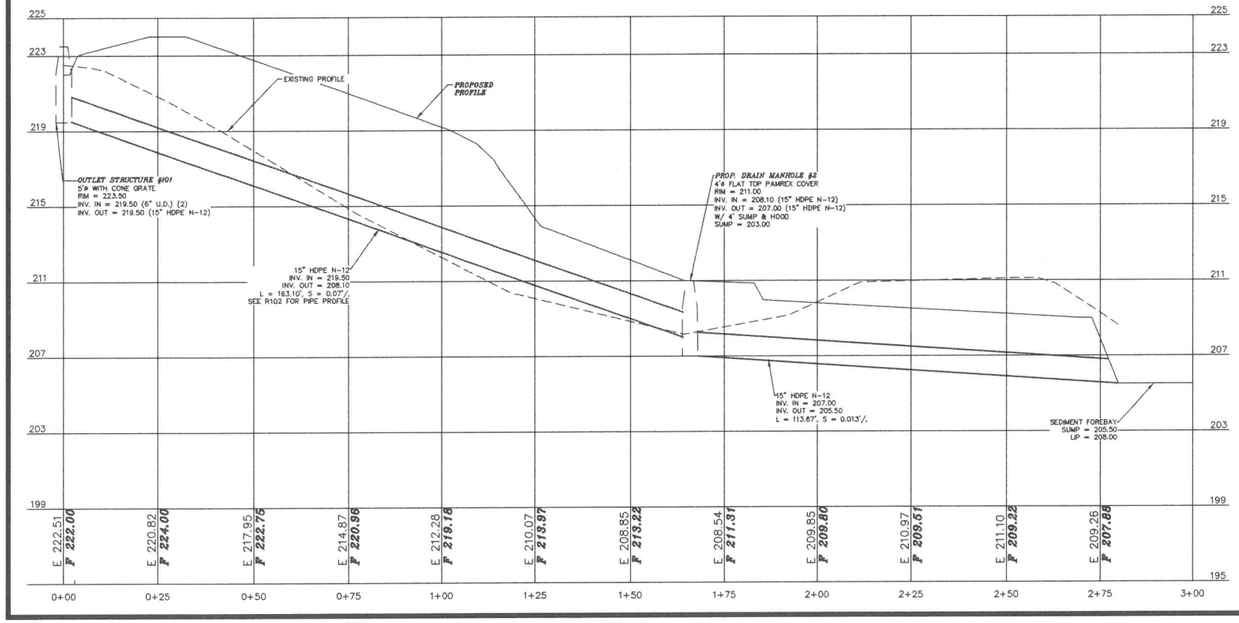

CATCH BASIN COVER DETAIL

## D7

VERTICAL SCALE: 1" = 4'

HORIZONTAL SCALE: 1" = 20'

15" HDPE N-12 CULVERT

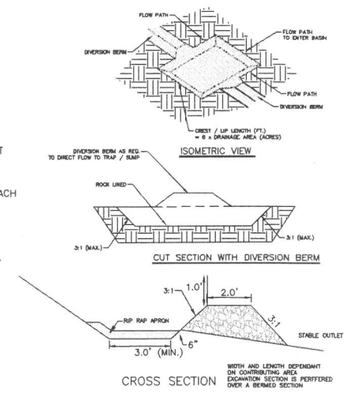



## D9

| SIEVE DESIGNATION | SIZE OF STONE (INCHES) |
|---|---|
| 100% | 12 |
| 84-100% | 6 |
| 68-83% | 3 |
| 42-55% | 1 |
| 8-12% | NO. 4 |

1. TRAP TO BE INSTALLED AS CLOSE TO THE DISTURBED AREA OR SOURCE OF SEDIMENT AS POSSIBLE.
2. THE MAXIMUM CONTRIBUTING DRAINAGE AREA TO THE TRAP SHALL BE LESS THAN 5 ACRES.
3. THE MINIMUM VOLUME OF THE TRAP SHALL BE 3,600 CUBIC FEET OF STORAGE FOR EACH ACRE OF DRAINAGE AREA.
4. THE SIDE SLOPES OF THE TRAP SHALL BE 3:1 OR FLATTER AND SHALL BE STABILIZED IMMEDIATELY AFTER THEIR CONSTRUCTION.
5. THE OUTLET OF THE TRAP SHALL BE A MINIMUM OF ONE FOOT BELOW THE CREST OF THE TRAP AND SHALL DISCHARGE TO A STABILIZED AREA.
6. THE TRAP SHALL BE CLEANED WHEN 50 PERCENT OF THE ORIGINAL VOLUME IS FILLED.
7. THE MATERIALS REMOVED FROM THE TRAP SHALL BE PROPERLY DISPOSED OF AND STABILIZED.

STONE LINED SEDIMENT TRAP




D-101

| REVISION | DATE | DESCRIPTION |
|---|---|---|
| | | |

CONSTRUCTION DETAILS

FOR
DONALD TOY
418 OLD DOVER ROAD
ROCHESTER, N.H.
TAX MAP 256, LOT 53 & 54-1


BERRY & SURVEYING ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (332-2863)

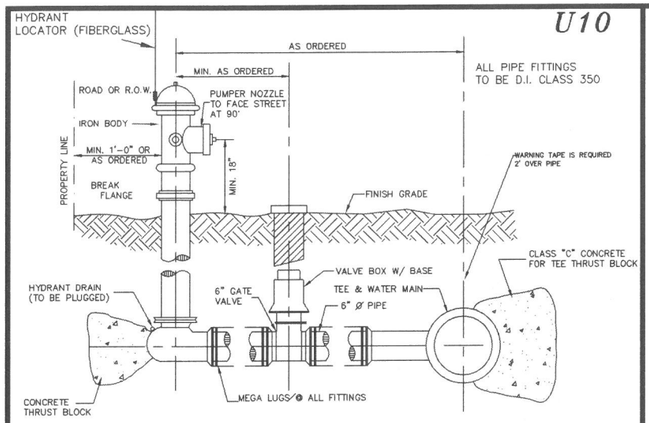

AS NOTED

DATE : JUNE 11, 2019

FILE NO. : DB 2015 - 151

STATE OF NEW HAMPSHIRE
KENNETH A. BERRY No. 14243
LICENSED PROFESSIONAL ENGINEER

## U10




1.) THE FIRE HYDRANT IS TO BE PAINTED CITY OF ROCHESTER STANDARD COLORS AND BE EQUIPPED WITH A HYDRANT LOCATOR.

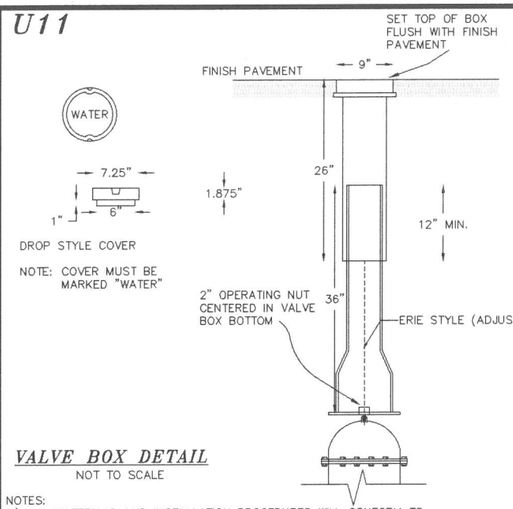
2.) THE FIRE HYDRANT SHALL BE THE "KENNEDY" TYPE.

3.) GATE VALVES OPEN LEFT.

***HYDRANT INSTALLATION DETAIL***

NOT TO SCALE

## U11




***VALVE BOX DETAIL***

NOT TO SCALE

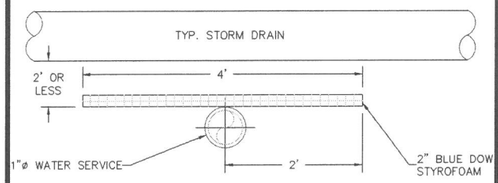
NOTES:

1.) ALL MATERIALS AND INSTALLATION PROCEDURES WILL CONFORM TO LOCAL WATER WORKS TECHNICAL SPECIFICATIONS.

2.) ALL PIPE SHOULD HAVE A MINIMUM DEPTH OF 5' FROM TOP OF PIPE TO FINISH GRADE.

3.) VALE BOX IS TO BE AT LEAST 5' DEEP.

## U12




***INSULATE WATER PIPE WHERE CROSSING UNDER CULVERT***

NOT TO SCALE

## U13

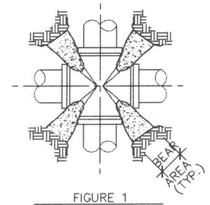



FIGURE 1
CROSS
(ONLY REQ'D IF ANY LEG IS LESS THAN 60 FT. LONG)

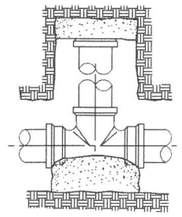


FIGURE 2
TEE, PLUG OR CAP

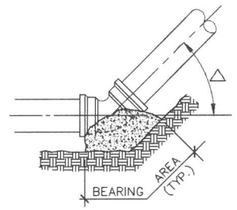



FIGURE 3
HORIZONTAL OR UPWARD VERTICAL BEND

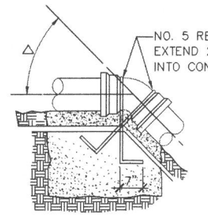



FIGURE 4
DOWNWARD VERTICAL BEND

***TYPICAL THRUST BLOCKS***

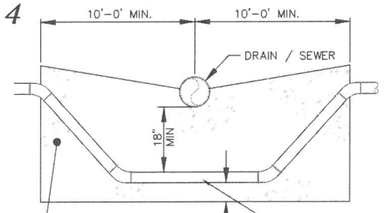
NOT TO SCALE

| PIPE I.D. | BEARING AREA, SQUARE FEET | | | | | | VOLUME OF CONC. CU.YD | | |
|---|---|---|---|---|---|---|---|---|---|
| | FIGURE 1 | FIGURE 2 | FIGURE 3, △ | | | | FIGURE 4, △ | | |
| | | | 90° | 45° | 22-1/2° | 11-1/4° | 45° | 22-1/2° | 11-1/4° |
| 4" | 2 | 2 | 2 | 1 | 1 | 1 | 1.0 | .5 | .5 |
| 6" | 2 | 3 | 3 | 2 | 1 | 1 | 1.5 | 1.0 | .5 |
| 8" | 2 | 5 | 6 | 3 | 2 | 1 | 2.0 | 1.0 | .5 |
| 10" | 3 | 7 | 10 | 5 | 3 | 1 | 4.0 | 2.0 | 1.0 |
| 12" | 3 | 10 | 14 | 8 | 4 | 2 | | | |
| 14" | 4 | 14 | 20 | 10 | 5 | 3 | | | |
| 16" | 4 | 20 | 24 | 12 | 7 | 4 | | | |
| 18" | 5 | 24 | 30 | 16 | 10 | 5 | | | |
| 20" | 5 | 28 | 40 | 20 | 12 | 6 | | | |

GENERAL NOTES:

1. ALL FITTINGS & EXPOSED REBAR TO BE RAPPED W/ TWO LAYERS OF 6 MIL. POLYETHYLENE WHERE COVERED WITH CONCRETE.
2. ALL CONCRETE SHALL BE CLASS C 3000 P.S.I. MINIMUM 28 DAYS COMPRESSIVE STRENGTH.
3. PLACE CONCRETE AGAINST UNDISTURBED EARTH.
4. TABLE DENOTES MINIMUM BEARING AREA OR VOLUME OF THRUST BLOCK. SPECIAL DESIGN FOR EACH INSTALLATION IS REQUIRED IF ALLOWABLE SOIL BEARING CAPACITY IS LESS THAN 3000 P.S.F.
5. VERTICAL SURFACES NOT BEARING AGAINST UNDISTURBED EARTH SHALL BE FORMED.
6. KEEP CONCRETE AWAY FROM FLANGE BOLTS AND FITTINGS.
7. MECHANICAL JOINTS AT ALL FITTINGS IE: BENDS, TEES, CROSSES, AND VALVES SHALL BE THRUST RESTRAINT. (MEGA-LUG OR APPROVED EQUAL.

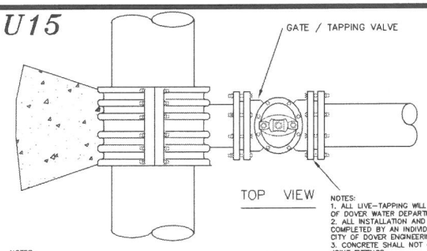
## U14




***WATER MAIN INSTALLATION - BELOW DRAIN / SEWER***

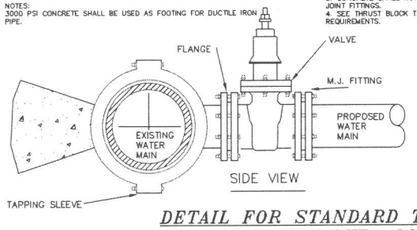
NOT TO SCALE

## U15




NOTES:
1. ALL LIVE-TAPPING WILL BE COMPLETED IN ACCORDANCE WITH CITY OF DOVER WATER DEPARTMENT REGULATIONS.
2. ALL INSTALLATION AND TAPPING OF EXISTING WATER MAINS WILL BE COMPLETED BY AN INDIVIDUAL OR FIRM THAT IS APPROVED BY THE CITY OF DOVER ENGINEERING.
3. CONCRETE SHALL NOT CONTACT BOLTS OR END OF MECHANICAL JOINT FITTINGS.
4. SEE THRUST BLOCK TABLES FOR AREA OF CONCRETE REQUIREMENTS.

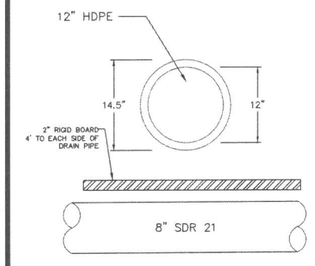
NOTES:
3000 PSI CONCRETE SHALL BE USED AS FOOTING FOR DUCTILE IRON PIPE.




***DETAIL FOR STANDARD TAPPING SLEEVE AND VALVE ASSEMBLY***

NOT TO SCALE

## U16




CROSS SECTION A-A

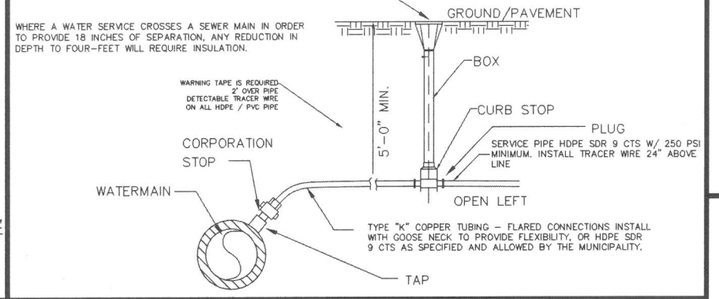
***SEWER AND DRAIN CROSSING***

## U17

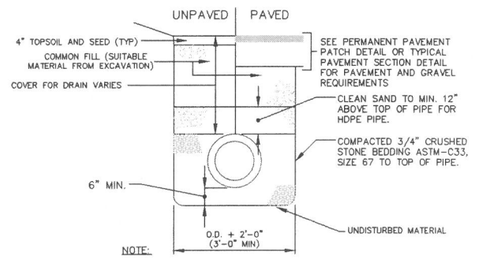
***TYPICAL WATER SERVICE CONNECTION***

NOT TO SCALE

THE END OF THE INSTALLED WATER SERVICE TO BE MARKED BY A 2X4. (SUBDIVISION ONLY)




## U21




NOTE:

PLASTIC DRAIN PIPE (HDPE) SHALL BE ADS N-12 (CORRUGATED EXTERIOR/SMOOTH INTERIOR) OR EQUAL MEETING AASHTO M-252 AND H-20 LOADING.

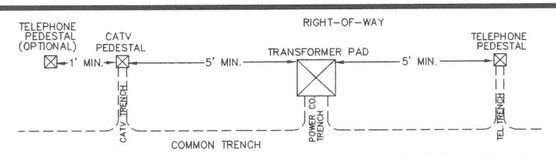
DI DRAIN PIPE SHALL BE CL. 50.

RC DRAIN PIPE SHALL BE CLASS III UNLESS OTHERWISE NOTED.

***TYPICAL DRAIN AND SEWER PIPE TRENCH***

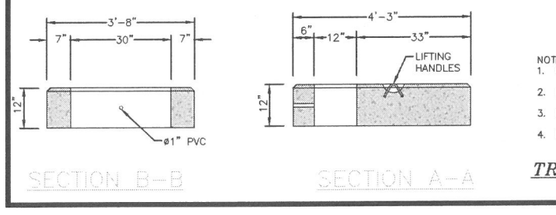
NOT TO SCALE

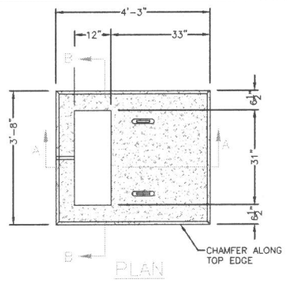
## U18




***PEDESTAL PLACEMENT***

## U19



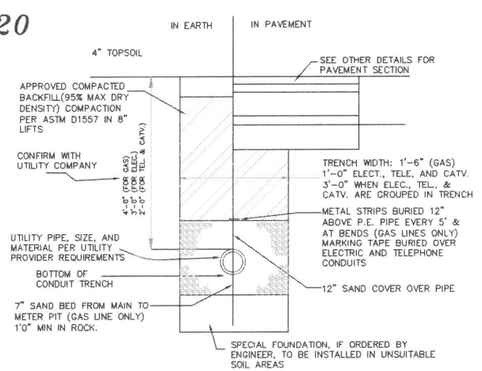




NOTES:
1. CONCRETE MINIMUM STRENGTH 4,000 PSI AFTER 28 DAYS
2. REINFORCEMENT STEEL CONFORMS TO ASTM A615 GRADE 60 #6 REBAR.
3. MEETS OR EXCEEDS EVERSOURCE SPECIFICATIONS.
4. MUST BE A SHEA CONCRETE PRODUCT OR EQUAL.

***TRANSFORMER AND PAD DETAIL***

NOT TO SCALE

## U20




***ELECTRICAL, TELEPHONE, AND GAS TRENCH***

NOT TO SCALE

| REVISION | DATE | DESCRIPTION |
|---|---|---|
| | | |

FOR
DONALD TOY
418 OLD DOVER ROAD
ROCHESTER, N.H.
*TAX MAP 256, LOT 53 & 54-1*

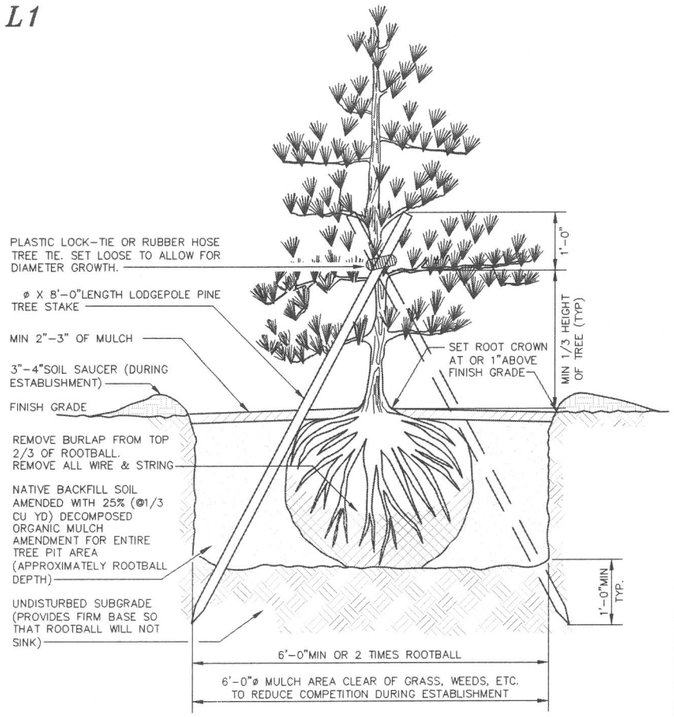

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (332-2863)


AS NOTED
DATE : JUNE 11, 2019
FILE NO. : DB 2015 - 151

STATE OF NEW HAMPSHIRE
KENNETH A. BERRY
No. 14243
LICENSED
PROFESSIONAL ENGINEER

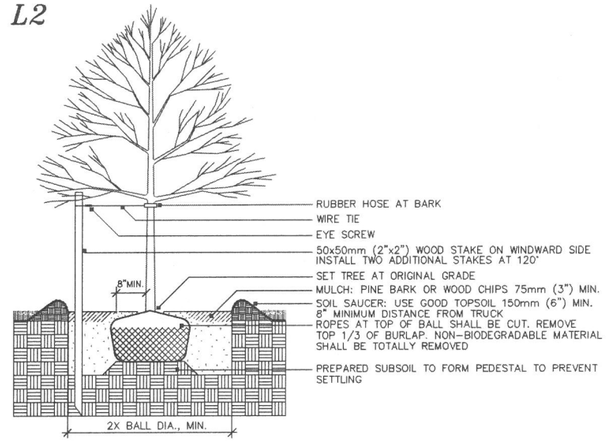
**U-101**

## L1




*CONIFEROUS TREE PLANTING*

## L2



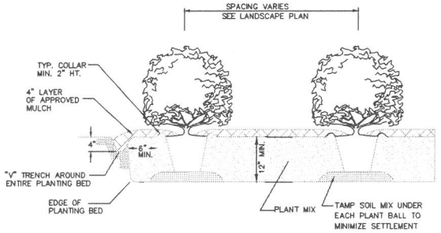

*DECIDUOUS TREE PLANTING*

NOTE: STAKING TO BE USED IN PARKING ISLANDS AND OTHER CONFINED AREAS AS NECESSARY TO AVOID CONFLICTS WITH PEDESTRIANS

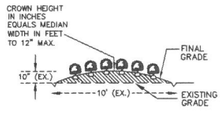
## L3

NOTES:

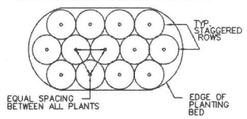
1. SCARIFY ROOT MASS OF CONTAINERIZED PLANT MATERIAL.
2. INSTALL CONTAINERIZED PLANTS AT FINSHED GRADE
3. TAMP PLANTING MIX FIRMLY AS PIT IS FILLED AROUND EACH PLANT BALL.
4. OMIT COLLAR AROUND EACH SHRUB WHEN IRRIGATION SYSTEM IS PRESENT.
5. SOAK EACH PLANT BALL AND PIT IMMEDIATELY AFTER INSTALLATION.




TYPICAL PLANTING BED DETAIL




TYPICAL BED CROWNING

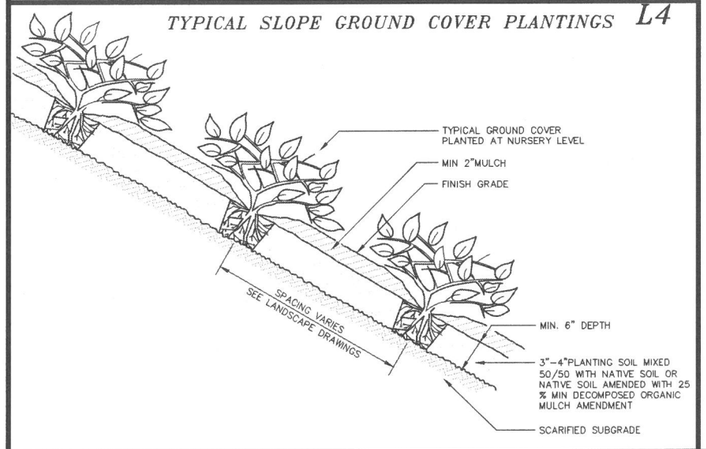



TYPICAL PLANTING BED PLAN

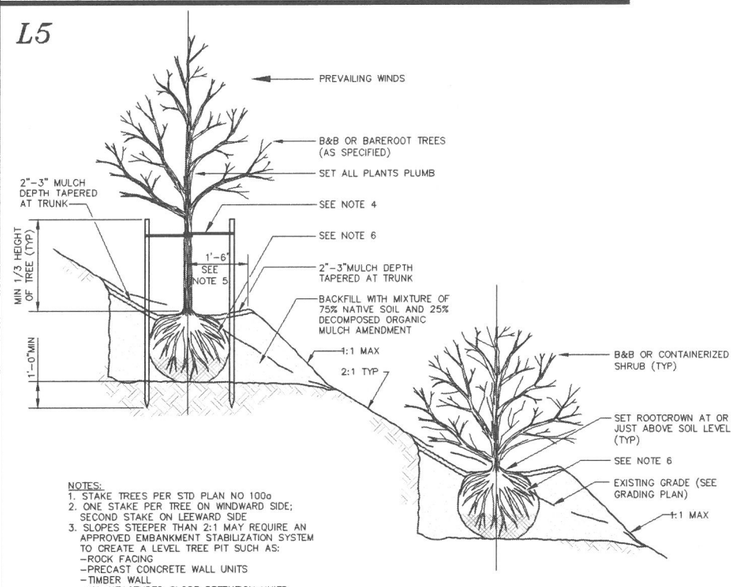
*SHRUB & HEDGE PLANTING*

## L4

*TYPICAL SLOPE GROUND COVER PLANTINGS*




## L5




NOTES:
1. STAKE TREES PER STD PLAN NO 100a
2. ONE STAKE PER TREE ON WINDWARD SIDE; SECOND STAKE ON LEEWARD SIDE
3. SLOPES STEEPER THAN 2:1 MAY REQUIRE AN APPROVED EMBANKMENT STABILIZATION SYSTEM TO CREATE A LEVEL TREE PIT SUCH AS:
   - ROCK FACING
   - PRECAST CONCRETE WALL UNITS
   - TIMBER WALL
   - MANUFACTURED SLOPE RETENTION UNITS
4. CHAINLOCK TREE TIE. LOOP EACH TIE AROUND TREE LOOSELY TO PROVIDE 1" SLACK FOR DIAMETER GROWTH.
5. SHAPE SOIL TO PROVIDE 3' DIAMETER OR ROOTBALL DIAMETER, WHICHEVER IS GREATER, WATERING RING.
6. REMOVE ALL WIRE AND STRING. REMOVE TOP 2/3 OF BURLAP.

*TREE PLANTING ON SLOPES*

## L6

*NOTES:*

1.) CALL DIG SAFE PRIOR TO BEGINNING WORK. (1-888-344-7233). THE LANDSCAPE CONTRACTOR IS ADVISED OF THE PRESENCE OF UNDERGROUND UTILITIES AND SHALL VERIFY THE EXISTENCE AND LOCATION OF THE SAME BEFORE COMMENCING AND DIGGING OPERATIONS. THE LANDSCAPE CONTRACTOR SHALL REPLACE OR REPAIR UTILITIES, PAVING, WALKS, CURBING, ETC DAMAGED IN PERFORMANCE OF THIS JOB AT NO ADDITIONAL COST TO THE OWNER OR GENERAL CONTRACTOR.

2.) CONTRACTOR SHALL THOROUGHLY FAMILIARIZE THEMSELVES WITH ALL SITE CONDITIONS PRIOR TO CONSTRUCTION BIDDING. SEE NOTE XXX ON OVERALL SITE PLAN.

3.) PROVIDED SMOOTH TRANSITION WHERE NEW WORK MEETS EXISTING CONDITIONS.

4.) ALL PLANT MATERIAL INSTALLED SHALL MEET THE SPECIFICATIONS OF "AMERICAN STANDARD FOR NURSERY STOCK" BY THE AMERICAN ASSOCIATION OF NURSERYMEN.

5.) ALL PLANT MATERIALS SHALL BE FREE FROM INSECTS AND DISEASE.

6.) ALL PLANTINGS SHALL BE DONE IN ACCORDANCE WITH ACCEPTABLE HORTICULTURAL PRACTICES. THIS IS TO INCLUDE PROPER PLANTING MIX, PLANT BED AND TREE PIT PREPARATION, PRUNING STAKING OR GUYING, WRAPPING, SPRAYING, FERTILIZATION, PLANTING AND ADEQUATE MAINTENANCE UNTIL ACCEPTANCE FROM OWNER.

7.) ALL GRASS, OTHER VEGETATION AND DEBRIS SHALL BE REMOVED FROM ALL PLANTING AREAS PRIOR TO PLANTING.

8.) THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF EXISTING AND NEWLY PLANTED TREES AND SHRUBS DURING THE CONSTRUCTION PROCESS. WHERE REQUIRED, THE CONTRACTOR SHALL INSTALL TEMPORARY FENCING (SNOW OR EQUAL) AROUND EXISTING TREES AND SHRUBS THAT COULD BE IMPACTED BY THE CONSTRUCTION PROCESS. STORAGE OF CONSTRUCTION EQUIPMENT, CONSTRUCTION MATERIALS, SNOW STORAGE AND OR VEHICLE PARKING SHALL NOT BE PERMITTED WITHIN THE DRIP LINE OF TREES OR TWENTY FEET WHICH EVER IS GREATER.

9.) NEW PLANTINGS SHALL BE INSTALLED PER PROJECT DRAWINGS AND SPECIFICATION THAT INCLUDE FERTILIZATION AND MULCHING AS REQUIRED.

10.) ALL SHRUB BEDS AND TREE PITS SHALL BE MULCHED WITH 3" CLEAN SHREDDED BLACK MULCH.

11.) WHERE INDICATED ON PLAN, PLANTING SOIL MIXTURE FOR GROUND COVER AND PERENNIAL BED AREAS SHALL CONSIST OF FOUR PARTS TOPSOIL, TWO PARTS SPHAGNUM PEAT MOSS, AND ONE PART HORTICULTURAL PERLITE BY VOLUME. PEAT MOSS MAY BE SUBSTITUTED WITH WELL-ROTTED OR DEHYDRATED MANURE OR COMPOST. ROTOTILL BEDS TO A DEPTH OF 8 INCHES.

12.) MAINTENANCE OF NEW PLANTINGS AND LAWNS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND OR LANDSCAPE SUBCONTRACTOR UNTIL ACCEPTANCE BY THE OWNER. RESPONSIBILITIES SHALL INCLUDE WATERING WEEDING AND MOWING AS NECESSARY. ALL PLANT MATERIAL SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM THE DATE OF ACCEPTANCE, REPLACEMENT MATERIAL SHALL BE GUARANTEED FOR AND ADDITIONAL YEAR FROM TIME OF INSTALLATION.

13.) THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL TEMPORARY EROSION CONTROL MEASURES DURING THE CONSTRUCTION PHASE AND UNTIL ALL AREAS HAVE BEEN STABILIZED AND ACCEPTED BY THE OWNER. THE GENERAL CONTRACTOR SHALL PROVIDE WEEKLY INSPECTIONS OF EROSION MEASURE AND IMMEDIATELY AFTER STORM EVENTS AND REPAIR AS NECESSARY.

14.) THE GENERAL CONTRACTOR AND OR THE LANDSCAPE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL THREE GUYING MATERIAL ONCE PLANT MATERIAL HAS BEEN ESTABLISHED. (MINIMUM OF ONE GROWING SEASON). ALL TEMPORARY EROSION CONTROL MEASURE SHALL BE REMOVED ONCE STABILIZATION OF DISTURBANCE HAS BEEN ACCEPTED BY OWNER.

15.) THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR A MINIMUM OF TWO MOWINGS FOR ALL TURF AREAS OR UNTIL ACCEPTANCE BY THE OWNER. A MINIMUM UNIFORM 75% CATCH OF TURF IS REQUIRED FOR ACCEPTANCE.

16.) ALL PLANTINGS SHALL BE WATERED REGULARLY DURING THEIR FIRST YEAR AND MAINTAINED PERMANENTLY IN GOOD GROWING CONDITION AS AN EFFECTIVE VISUAL SCREEN.

17.) SHRUBS OR TREES WHICH DIE SHALL BE REPLACED WITHIN ONE GROWING SEASON WITH NEW SHRUBS OR TREES TO ENSURE CONTINUED COMPLIANCE WITH APPLICABLE LANDSCAPING REQUIREMENTS.

18.) ALL REQUIRED LANDSCAPING SHALL BE INSTALLED BEFORE OCCUPANCY, OR WITHIN SIX MONTHS IF OCCUPANCY OCCURS DURING WINTER CONDITIONS.

19.) TREES ARE TO BE 2-2.5" CALIPER 6" OFF THE ROOT BALL.

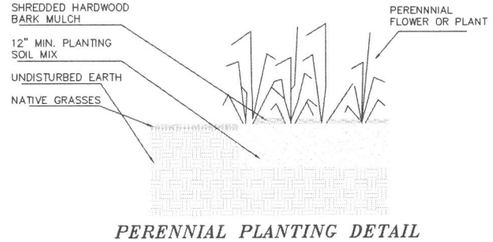
20.) ALL PLANT STOCK SHALL CONFORM TO ANSI Z260.1 – NURSERY STOCK, LATEST EDITIONS (AMERICAN ASSOCIATION OF NURSERYMEN, INC.)

21.) 4" AGED PINEBARK MULCH AND A WEED BARRIER (TY-PAR FABRIC OR APPROVED EQUAL) SHALL BE APPLIED TO ALL SHRUB AND GROUND COVER BEDS. INSTALL WEED BARRIER AS PER MANUFACTURERS RECOMMENDATIONS.

22.) PLANT-PIT BACK-FILL SHALL BE MIXED AT A RATE OF 7 PARTS OF TOPSOIL TO 2 PARTS OF DEHYDRATED COW MANURE. SLOW RELEASE FERTILIZER SHALL BE APPLIED AS PER MANUFACTURERS RECOMMENDATIONS. USE EXISTING ON-SITE TOPSOIL AS PART OF BACK FILL WHEN AVAILABLE.

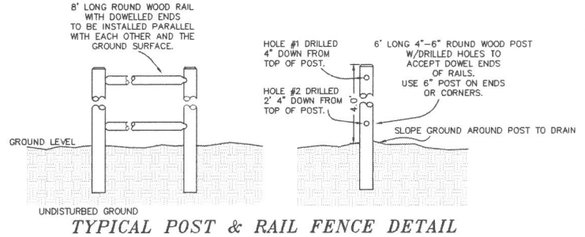
23.) ALL LANDSCAPED AREAS NOT PLANTED WITH TREES, SHRUBS OR GROUNDCOVER SHALL BE RESTORED WITH SEED OR SOD AS INDICATED ON PLANS.

## L8




*PERENNIAL PLANTING DETAIL*

## L7




*TYPICAL POST & RAIL FENCE DETAIL*

N.T.S.

L-101

| REVISION | DATE | DESCRIPTION |
|---|---|---|
| | | |

LANDSCAPING CONSTRUCTION DETAILS

FOR
DONALD TOY
418 OLD DOVER ROAD
ROCHESTER, N.H.
*TAX MAP 256, LOT 53 & 54-1*


BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (332-2863)


AS NOTED

DATE : JUNE 11, 2019

FILE NO. : DB 2015 - 151

STATE OF NEW HAMPSHIRE
KENNETH A. BERRY
No. 14243
LICENSED PROFESSIONAL ENGINEER