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# CHRISTMAS LANE RECONSTRUCTION FOR 1962 REAL ESTATE, LLC JOHN & LINDA SVENSON FRANKLIN PIERCE HIGHWAY BARRINGTON, N.H. TAX MAP 239, LOT 2 TAX MAP 235, LOT 1.1

**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 TOWN OF BARRINGTON COMMUNITY SERVICES DEPARTMENT.

WHETHER OR NOT OTHERWISE EXPRESSLY RECITED ON THIS SITE PLAN, THE SITE PLAN APPROVAL GRANTED IS CONDITIONED ON FAITHFUL AND DILIGENT ADHERENCE BY THE OWNER/SUBDIVIDER/DEVELOPER OF ALL TERMS, CONDITIONS, PROVISIONS AND SPECIFICATIONS OF THE TOWN OF BARRINGTON LAND SITE PLAN REGULATIONS AS AMENDED OR AS MAY LATER BE AMENDED, IN EFFECT ON THE DATE OF APPROVAL, UNLESS OR EXCEPT IN SO FAR AS EXPRESSLY WAIVED, IN ANY PARTICULAR, BELOW. NON-ADHERENCE MAY RESULT IN A REVOCATION OF APPROVAL. ANY VARIATION FROM THE APPROVED PLAN WILL REQUIRE A RESUBMISSION FOR SITE PLAN APPROVAL.

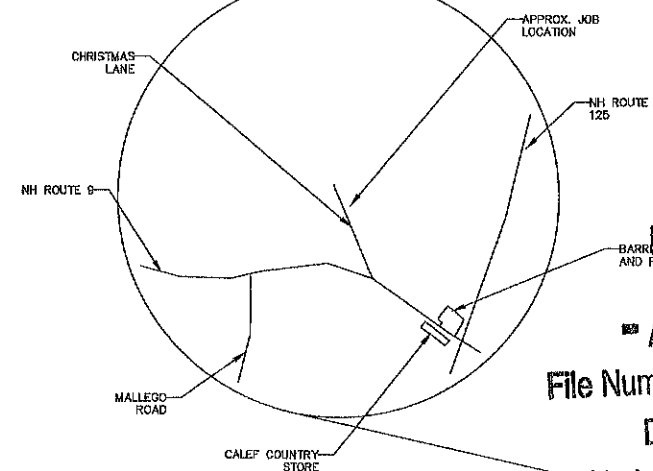
**OWNER:** 1962 REAL ESTATE LLC  
 40 WAKEFIELD STREET  
 ROCHESTER, NH 03866  
 JOHN & LINDA SVENSON  
 P.O. BOX 10  
 BARRINGTON, NH 03825

**SURVEYOR OF RECORD:** KENNETH A. BERRY, PE, LLS  
 CPESC, CESSWI, CPSWQ  
 BERRY SURVEYING & ENGINEERING  
 335 SECOND 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

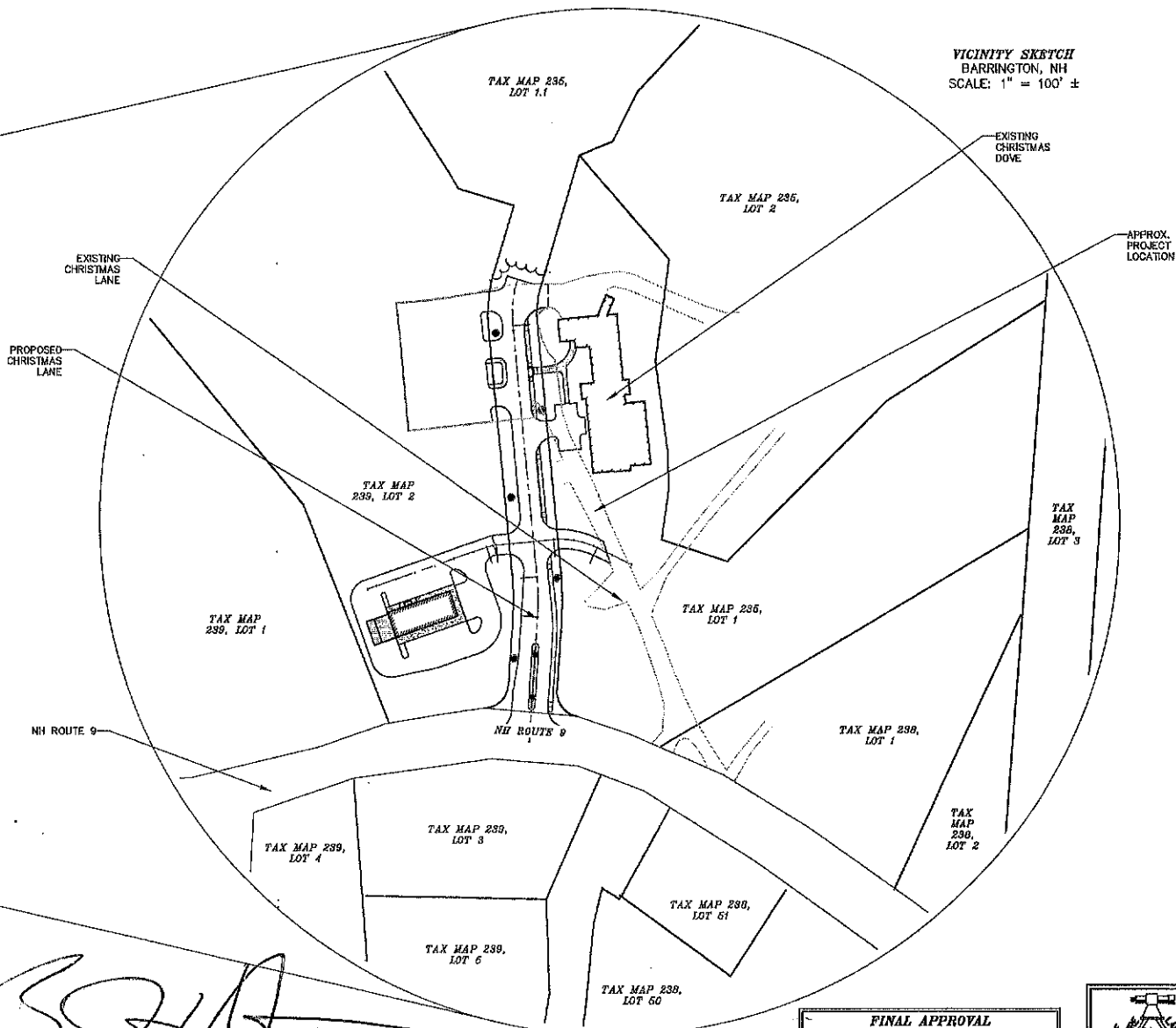
**WETLAND SCIENTIST:** STONEY RIDGE ENVIRONMENTAL  
 CYNTHIA M. BALCIUS, CSS, CWS, CPESC  
 229 PROSPECT MOUNTAIN ROAD  
 ALTON, NH 03809  
 603-776-5825

LOCATION PLAN  
 BARRINGTON, NH  
 NOT TO SCALE



**PLANNING BOARD  
 BARRINGTON, NH  
 - APPROVED -**

File Number 235-1-TC-18-SR  
 Date 11/5/18  
 Chairman [Signature]



**REQUIRED PERMITS:**

- 1.) EPA NOTICE OF INTENT: NHR100CLB
- 2.) NHDOT DRIVEWAY PERMIT: 06-027-548

**GENERAL PLAN SET NOTES:**

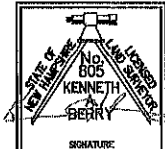
- 1.) 11x17" PLANS ARE HALF THE PUBLISHED SCALE.
- 2.) ALL PLANS ARE CONSIDERED TO BE NOT FOR CONSTRUCTION UNLESS THEY CONTAIN THE APPROVAL STAMP OF THE TOWN OF BARRINGTON.

[Signature] 9-27-18  
 OWNER'S SIGNATURE JOHN AND LINDA SVENSON DATE

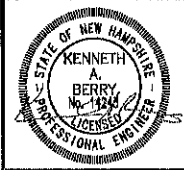
[Signature]  
 OWNER'S SIGNATURE 1962 REAL ESTATE LLC DATE

**FINAL APPROVAL  
 BY  
 BARRINGTON PLANNING BOARD**

CERTIFIED BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_



**BERRY SURVEYING & ENGINEERING**  
 335 SECOND CROWN POINT ROAD  
 BARRINGTON, NH 03825 (603) 332-2863  
 SCALE: AS SHOWN  
 DATE: AUGUST 13, 2018  
 FILE NO.: DB 2018 - 005

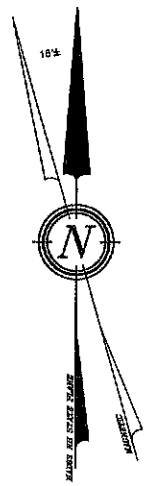


COVER SHEET  
 LAND OF  
 1962 REAL ESTATE LLC &  
 JOHN & LINDA SVENSON  
 FRANKLIN PIERCE HIGHWAY  
 BARRINGTON, NH 03825  
 TAX MAP 239 LOT 2 & MAP 235 LOT 1.1

REVISION	DATE	DESCRIPTION
#1	9-26-18 9-5-18	REVISED PER CONDITIONS OF APPROVAL OF 9-18-18 REVISED PER DBK COMMENTS OF 9-5-18

**ABBREVIATION LEGEND:**

- S.G.C. SLOPED GRANITE CURB
- V.G.C. VERTICAL GRANITE CURB
- E.O.P. EDGE OF PAVEMENT
- B.C.C. BITUMINOUS CONCRETE CURB
- BITUM. BITUMINOUS
- E.O.P. EDGE OF PAVEMENT
- E.S.H.W.T. ESTIMATE SEASONAL HIGH WATER TABLE
- 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
- RCP REINFORCED CONCRETE PIPE
- F.G. FINISHED GRADE
- E.G. EXISTING GRADE
- T.W. TRAVELED WAY
- T.B.R. TO BE REMOVED
- '/' FEET / FEET



**PROPOSED LEGEND:**

- UTILITY POLE
- UTILITY PADS
- SEWER MANHOLE
- WATER SHUT OFF / VALVE
- HYDRANT
- THRUST BLOCK
- LIGHTING
- CATCH BASIN / DRAIN MANHOLE
- SIGNAGE
- LAMP
- CHECK DAM-MATERIAL AS SPECIFIED
- CONTOUR MINOR
- CONTOUR MAJOR
- SPOT GRADE
- CULVERT W/ FLARED END SECTION (F.E.S.)
- DETAIL SHEET / DETAIL
- TREE LINE
- CENTER LINE
- UNDERGROUND UTILITY
- TRANSFORMER / J.BOX
- UNDER DRAIN
- WATER LINE
- SEWER LINE
- GAS LINE
- SILT FENCE / EROSION MIX BERM
- FILTREXX 8" - 12" SILT SOXX AS SPECIFIED
- ORANGE CONSTRUCTION PERIMETER FENCE
- PROJECT LIMITS

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	5	RED	WHITE	WHITE	SQUARE (5)
R2-1	12"x18"	SPEED LIMIT 25	SEE STANDARD HIGHWAY SIGNS 2004 EDITION PUBLISHED BY USDOT - FHWA	1	WHITE	GREEN	GREEN	SQUARE (1)
R4-7	24"x30"	UPWARD ARROW	SEE STANDARD HIGHWAY SIGNS 2004 EDITION PUBLISHED BY USDOT - FHWA	1	WHITE W/ BLACK ARROW	BLACK	BLACK	SQUARE (1)
R7-B	12"x18"	REVERSED PARKING	SEE STANDARD HIGHWAY SIGNS 2004 EDITION PUBLISHED BY USDOT - FHWA	6	WHITE	GREEN W/ WHITE SYMBOL ON BLUE	RED	SQUARE (6)
R7-8a	12"x8"	NO ACCESSIBLE	SEE STANDARD HIGHWAY SIGNS 2004 EDITION PUBLISHED BY USDOT - FHWA	4	WHITE	GREEN	GREEN	SQUARE (4)
R8-31	12"x18"	NO PARKING	SEE STANDARD HIGHWAY SIGNS 2004 EDITION PUBLISHED BY USDOT - FHWA	3	WHITE	RED	RED	SQUARE (3)
W3-1	30"x30"	NO LEFT TURN	SEE STANDARD HIGHWAY SIGNS 2004 EDITION PUBLISHED BY USDOT - FHWA	1	YELLOW W/ RED SYMBOL BLACK ARROW	WHITE	BLACK	SQUARE (1)
W14-2	30"x30"	NO OUTLET	SEE STANDARD HIGHWAY SIGNS 2004 EDITION PUBLISHED BY USDOT - FHWA	1	YELLOW	BLACK	BLACK	SQUARE (1)
W11-2	30"x30"	NO RIGHT TURN	SEE STANDARD HIGHWAY SIGNS 2004 EDITION PUBLISHED BY USDOT - FHWA	4	YELLOW	BLACK	BLACK	SQUARE (4)

**ADJACENTS WITHIN 500':**

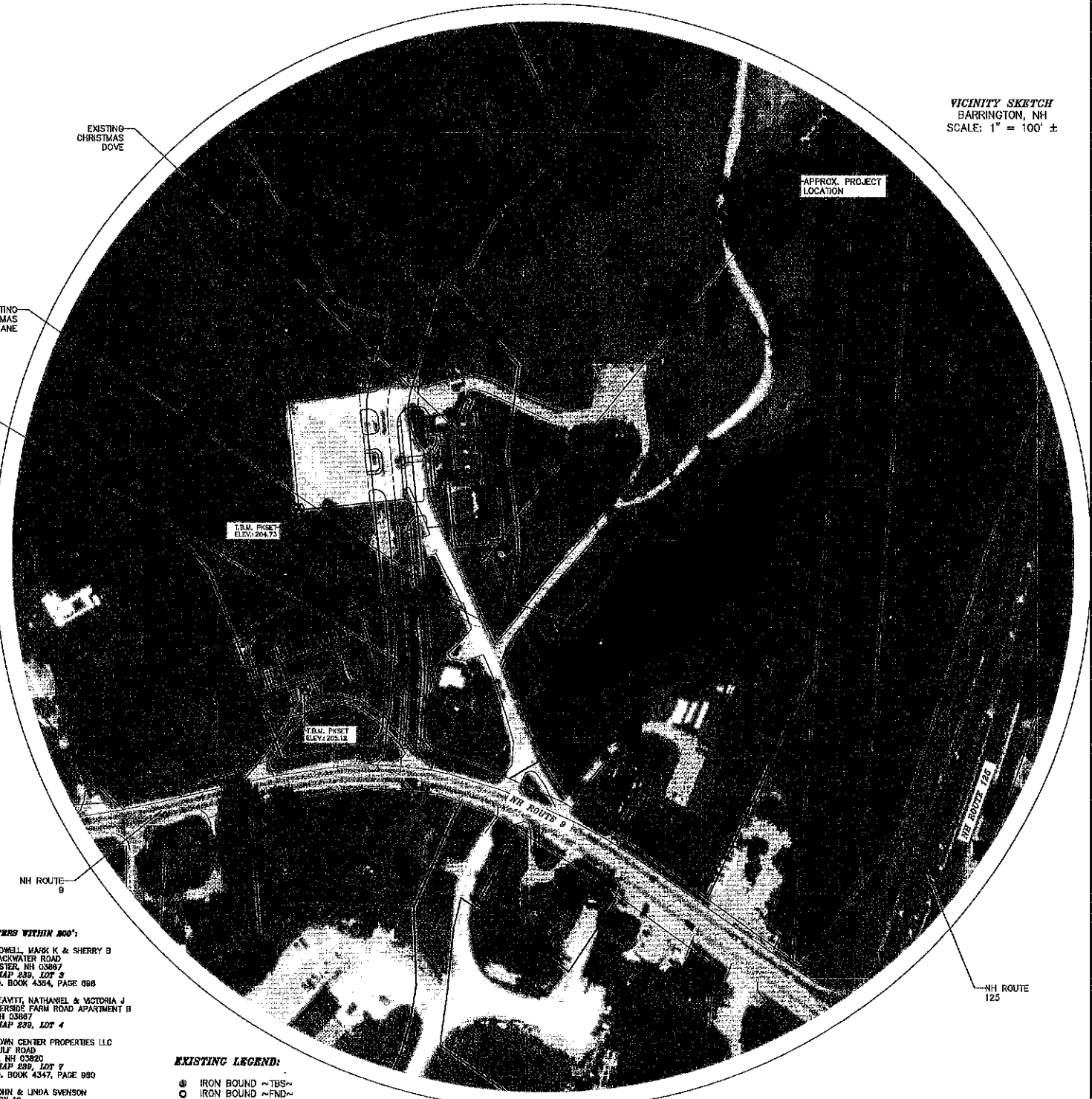
- N/F 1982 REAL ESTATE LLC  
143 BROOK STREET  
ROCHESTER, NH 03867  
TAX MAP 239, LOT 9  
S.C.R.D. BOOK 4554, PAGE 813
- N/F KAY, EDWARD  
21 LITTLEBROOK  
DOVER, NH 03820  
TAX MAP 234, LOT 79
- N/F SVENSON, GARTH & ELIZABETH  
P.O. BOX 10  
BARRINGTON, NH 03825  
TAX MAP 236, LOT 8  
S.C.R.D. BOOK 3366, PAGE 481
- N/F SVENSON, JOHN & LINDA  
P.O. BOX 10  
BARRINGTON, NH 03825  
TAX MAP 236, LOT 3  
S.C.R.D. BOOK 3366, PAGE 481
- N/F BENNETT, BERNARD F. & SUSAN D.  
811 FRANKLIN PIERCE HWY.  
BARRINGTON, NH 03825  
TAX MAP 236, LOT 1  
S.C.R.D. BOOK 3954, PAGE 119
- N/F SVENSON, LINDA LD  
P.O. BOX 10  
BARRINGTON, NH 03825  
TAX MAP 236, LOT 16  
S.C.R.D. BOOK 4222, PAGE 576
- N/F 414 PPH REAL ESTATE LLC  
P.O. BOX 971  
BARRINGTON, NH 03825  
TAX MAP 236, LOT 16  
S.C.R.D. BOOK 4225, PAGE 386
- N/F HENDERSON, DAVID & GLENDA  
UND. INT. INV. REVOCABLE TRUST 1/2  
1273 WINGED FOOT LANE  
DENVER, CO 28037-8520  
TAX MAP 239, LOT 1-7
- N/F WARD, SARAH & PETER  
843 FRANKLIN PIERCE HIGHWAY  
BARRINGTON, NH 03825  
TAX MAP 239, LOT 1

**ADJACENTS WITHIN 300':**

- N/F ROWELL, MARK K & SHERRY B  
74 BLACKWATER ROAD  
ROCHESTER, NH 03867  
TAX MAP 239, LOT 3  
S.C.R.D. BOOK 4354, PAGE 868
- N/F LEAVITT, NATHANIEL & VICTORIA J  
36 REVERSIDE FARM ROAD APARTMENT B  
LEE, NH 03867  
TAX MAP 239, LOT 4
- N/F JOHN & LINDA SVENSON  
P.O. BOX 10  
BARRINGTON, NH 03825  
TAX MAP 236, LOT 1  
S.C.R.D. BOOK 235, PAGE 080

**EXISTING LEGEND:**

- IRON BOUND ~TBS~
- IRON BOUND ~FND~
- GRANITE BOUND ~FND~
- GRANITE BOUND ~TBS~
- STONE BOUND ~FND~
- UTILITY POLE
- GUY WIRE
- FIRE HYDRANT
- CATCH BASIN
- SEWER MANHOLE
- SINGLE POST SIGN
- TEST PIT
- TREE
- BUILDING SETBACK LINE
- EASEMENT LINE
- GAS LINE
- OVERHEAD UTILITIES
- HIGHWAY FENCE
- SOILS LINE
- EXISTING CONTOUR MINOR
- EXISTING CONTOUR MAJOR
- EXISTING CULVERT PIPE
- WETLAND LINE



VICINITY SKETCH  
BARRINGTON, NH  
SCALE: 1" = 100' ±

REVISION	DATE	DESCRIPTION
#2	9-26-18	REVISED PER CONDITIONS OF APPROVAL OF 9-18-18
#1	9-6-18	REVISED PER DBK COMMENTS OF 9-5-18

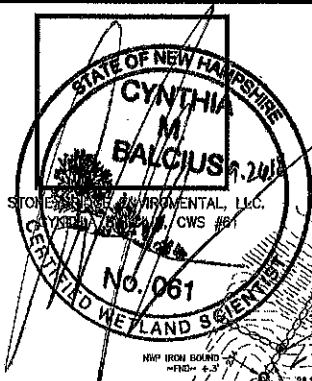
NEIGHBORHOOD PLAN  
LAND OF  
1962 REAL ESTATE LLC &  
JOHN & LINDA SVENSON  
FRANKLIN PIERCE HIGHWAY  
BARRINGTON, NH 03825  
TAX MAP 239 LOT 2 & MAP 235 LOT 1.1

**BERRY SURVEYING & ENGINEERING**  
335 SECOND CROWN POINT ROAD  
BARRINGTON, NH 03825 (603)332-2963  
SCALE: AS SHOWN  
DATE: AUGUST 13, 2018  
FILE NO.: DB 2018 - 005

**PLANNING BOARD  
BARRINGTON, NH**  
**- APPROVED -**  
File Number 235-1-TC-18-SR  
Date 11/5/18  
Chairman [Signature]

JURISDICTIONAL WETLANDS WERE DELINEATED BY CYNTHIA BALCIUS OF STONEY RIDGE ENVIRONMENTAL, LLC IN MAY OF 2017 UTILIZING THE FOLLOWING STANDARDS:

- 1) FIELD INDICATORS OF HYDRIC SOILS IN THE UNITED STATES, VERSION 7.0, 2010. L.M. VASILAS, C.W. HURT, AND C.W. MOBLE (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. NEWPCG WETLANDS WORKGROUP, WILMINGTON, MA 01897.
- 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. PHYTONOURN 2014-411-42.
- 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: NORTHEASTERN AND NORTHEAST REGION, JANUARY 2012, VERSION 2, U.S. ARMY CORPS OF ENGINEERS, ENVIRONMENTAL LABORATORY ERD/EL TR-12-1.
- 7) CLASSIFICATION OF WETLANDS AND DEEPWATER HABITATS OF THE UNITED STATES, DECEMBER 1975, L. COWARD, N. CARTER, F. COLE, AND E. LAROE. US DEPARTMENT OF THE INTERIOR, FISH AND WILDLIFE SERVICE, FWS/OBS-78/37.



**PLANNING BOARD  
BARRINGTON, NH**  
**-APPROVED-**

File Number 235-1-TC-18-SR  
Date 11/5/18  
Chairman [Signature]

DAVID R. & GLENDA J. HENDERSON  
UND IVT 2017-01-01-1272  
1272 WINGED FOOT LANE  
DENVER, NC 28037-6526  
S.C.R.D. BOOK 897, PAGE 121  
TAX MAP 235, LOT 1  
SEE PLAN REFERENCE #5  
LOT AREA: 1,282,804.40 Sq. Ft., 28.89 Ac.

N/F JOHN & LINDA SVENSON  
P.O. BOX 10  
BARRINGTON, NH 03825  
S.C.R.D. BOOK 1085, PAGE 514  
TAX MAP 235, LOT 3  
SEE PLAN REFERENCE #3  
LOT AREA: 729,323.20 Sq. Ft., 16.72 Ac.

N/F JOHN & LINDA SVENSON  
P.O. BOX 10  
BARRINGTON, NH 03825  
S.C.R.D. BOOK 993, PAGE 080  
TAX MAP 235, LOT 1.1  
LOT AREA: 323,215 Sq. Ft., 7.42 Ac.

**TEST HOLE DATA: 5-19-17**

TEST PIT #1  
0-3" 10YR 3/3 FINE SANDY LOAM, GRANULAR, FRABLE, TOPSOIL  
6-40" 7.5YR 5/4 SAND AND GRAVEL, GRANULAR, FRABLE  
40-60" 10YR 5/4 SAND AND GRAVEL, GRANULAR, FRM, COMMON AND DISTINCT MOTTLES  
60-72" 10YR 7/2 FINE SAND, GRANULAR, FRABLE, MANY AND PROMINENT MOTTLES

E.S.H.W.T. @ 40"  
GROUND WATER @ 40"  
TERMINATED @ 72"  
ROOTS @ NONE  
REFUSAL @ NONE  
PERC. = 2 MIN/H

TEST PIT #2  
0-3" 10YR 3/3 FINE SANDY LOAM, GRANULAR, FRABLE, TOPSOIL  
3-28" 10YR 5/6 FINE SANDY LOAM, GRANULAR, FRABLE  
28-48" 10YR 7/4 FINE LOAMY SAND, GRANULAR, FRM, COMMON AND DISTINCT MOTTLES

E.S.H.W.T. @ NONE  
NO GROUND WATER  
TERMINATED @ 72"  
ROOTS @ NONE  
REFUSAL @ NONE  
PERC. = 2 MIN/H

TEST PIT #3  
0-3" 10YR 3/3 FINE SANDY LOAM, GRANULAR, FRABLE, TOPSOIL  
3-28" 10YR 5/6 FINE SANDY LOAM, GRANULAR, FRABLE  
28-48" 10YR 7/4 FINE LOAMY SAND, GRANULAR, FRM, COMMON AND DISTINCT MOTTLES

E.S.H.W.T. @ NONE  
NO GROUND WATER  
TERMINATED @ 48"  
ROOTS @ 24"  
REFUSAL @ 48"  
PERC. = 10 MIN/H

**TEST HOLE DATA: 6-19-17**

TEST PIT #5  
0-3" 10YR 3/3 FINE SANDY LOAM, GRANULAR, FRABLE, TOPSOIL  
3-30" 7.5YR 5/4 FINE SANDY LOAM, GRANULAR, FRABLE  
30-36" 10YR 5/4 FINE SANDY LOAM, GRANULAR, FRM, COMMON AND DISTINCT MOTTLES

E.S.H.W.T. @ 30"  
GROUND WATER @ NONE  
TERMINATED @ 30"  
ROOTS @ 24"  
REFUSAL @ 30" (LEDGE)  
PERC. = 10 MIN/H

TEST PIT #6  
0-3" 10YR 3/3 FINE SANDY LOAM, GRANULAR, FRABLE, TOPSOIL  
3-30" 7.5YR 5/4 FINE SANDY LOAM, GRANULAR, FRABLE  
30-36" 10YR 5/4 FINE SANDY LOAM, GRANULAR, FRM, COMMON AND DISTINCT MOTTLES

E.S.H.W.T. @ 30"  
GROUND WATER @ NONE  
TERMINATED @ 30"  
ROOTS @ 24"  
REFUSAL @ 30" (LEDGE)  
PERC. = 10 MIN/H

TEST PIT #7  
0-3" 10YR 3/3 FINE SANDY LOAM, GRANULAR, FRABLE, TOPSOIL  
3-30" 7.5YR 5/4 FINE SANDY LOAM, GRANULAR, FRABLE  
30-36" 10YR 5/4 FINE SANDY LOAM, GRANULAR, FRM, COMMON AND DISTINCT MOTTLES

E.S.H.W.T. @ 20"  
GROUND WATER @ NONE  
TERMINATED @ 48"  
ROOTS @ 24"  
REFUSAL @ 48"  
PERC. = 4 MIN/H

TEST PIT #8  
0-3" 10YR 3/2 FINE SANDY LOAM, GRANULAR, FRABLE, TOPSOIL  
4-28" 7.0YR 5/6 FINE SAND, GRANULAR, FRABLE  
28-48" 7.5YR 5/4 FINE SAND, SINGLE GRAIN, LOOSE IN HAND

E.S.H.W.T. @ 20"  
GROUND WATER @ NONE  
TERMINATED @ 48"  
ROOTS @ 24"  
REFUSAL @ NONE  
PERC. = 4 MIN/H

**PLAN REFERENCES:**

1. PAGE 899 OF THE MISCELLANEOUS PROVINCIAL PAPERS, ON RECORD AT NHDOT AND THIS OFFICE.
2. RIGHT OF WAY AND TRACK MAP, BOSTON & MAINE R.R. STATION 460A+50 TO STATION 462A+40 V9NH/89.
3. SUBDIVISION PLAN OF E. RICHARD ROWELL, BARRINGTON, NH DATED: MARCH 1982 BY: FREDERICK E. DREW ASSOCIATES S.C.R.D. PLAN #24A-24
4. SEPTIC EASEMENT PLAN EASEMENT TO BE DEED TO JOHN P. & LINDA C. SVENSON OVER LAND OF JOHN P. & LINDA C. SVENSON, BARRINGTON, NH DATED: JUNE 1993 BY: FREDERICK E. DREW ASSOCIATES S.C.R.D. BOOK 1679 PAGE 737
5. SUBDIVISION PLAN PREPARED FOR DAVID R. & GLENDA J. HENDERSON OF TAX MAP 239, LOT 1 LOCATED AT NH ROUTE 9, BARRINGTON, NH DATED: SEPTEMBER 21, 2005 BY: LAND SURVEYING SERVICES S.C.R.D. PLAN #57-36
6. PLAN OF LAND OF PROPERTY IN THE NAME OF R.L.C. HOLDINGS INC. FORMERLY CALEF'S INC. SHOWN AS TAX MAP 239, LOT 7, LOCATED AT MALLEGO ROAD, CALEF HIGHWAY (ATA NH ROUTE 125) AND FRANKLIN PIERCE HIGHWAY (AKA NH ROUTE 9) BARRINGTON, NH DATED: SEPTEMBER 17, 2016 BY: LAND SURVEYING SERVICES S.C.R.D. PLAN #110-020
7. SUBDIVISION OF LAND OAK HILL ROAD (SOUTH) BARRINGTON, NH FOR EDWARD J. LEMOS 1995 TRUST. DATED: JANUARY 2008 BY: NORWAY PLAINS ASSOCIATES INC. S.C.R.D. PLAN #85-18
8. NHDOT PLAN OF NH ROUTE 125 RE-CONSTRUCTION, PROJECT F 018-1(7) SHEET 7 OF 9, ON FILE WITH NHDOT
9. NHDOT PLAN OF NH ROUTE 9 RE-CONSTRUCTION, PROJECT 210-E SHEET 2 OF 8 ON FILE WITH NHDOT
10. PROPERTY OF SUMNER HAYES, BARRINGTON NH. BY: TW CHISLEY ON FILE AT THIS OFFICE
11. LOCATION SKETCH DAVID HENDERSON BY: F.E. DREW ON FILE AT THIS OFFICE
12. LOT LINE ADJUSTMENT, SUBDIVISION PLAN CHRISTMAS DOVE, NH ROUTE 9, FRANKLIN PIERCE HIGHWAY, BARRINGTON, STRAFFORD COUNTY, PREPARED FOR JOHN & LINDA SVENSON & 1982 REAL ESTATE, LLC DATED: MARCH 2015 BY: NORWAY PLAINS ASSOCIATES, INC. ON FILE AT THIS OFFICE
13. LOT LINE ADJUSTMENT, SUBDIVISION PLAN CHRISTMAS DOVE, NH ROUTE 9, FRANKLIN PIERCE HIGHWAY, BARRINGTON, STRAFFORD COUNTY, PREPARED FOR JOHN & LINDA SVENSON & 1982 REAL ESTATE, LLC DATED: AUGUST 2017 BY: BERRY SURVEYING & ENGINEERING ON FILE AT THIS OFFICE

N/F 1982 REAL ESTATE LLC  
40 WAKEFIELD STREET  
ROCHESTER, NH 03868  
S.C.R.D. BOOK 4268, PAGE 115  
TAX MAP 235, LOT 2  
SEE PLAN REFERENCE #11

N/F SARAH AND PETER WARD  
843 FRANKLIN PIERCE HIGHWAY  
BARRINGTON, NH 03825  
S.C.R.D. BOOK 3521, PAGE 022  
TAX MAP 239, LOT 1  
SEE PLAN REFERENCE #5  
LOT AREA: 282,666.80 Sq. Ft., 6.03 Ac.

N/F GARTH & ELIZABETH SVENSON  
P.O. BOX 10  
BARRINGTON, NH 03825  
S.C.R.D. BOOK 3366, PAGE 451  
TAX MAP 235, LOT 3  
SEE PLAN REFERENCE #3  
LOT AREA: 334,840 Sq. Ft., 7.66 Ac.

SEE PLAN REF #4  
FOR EFFLUENT DISPOSAL  
EASEMENT THAT BENEFITS  
TAX MAP 235, LOT 1

N/F LINDA SVENSON  
P.O. BOX 10  
BARRINGTON, NH 03825  
S.C.R.D. BOOK 4022, PAGE 578  
TAX MAP 235, LOT 1  
FORMER RAIL ROAD R.O.W.  
SEE PLAN REFERENCE #2

**ABUTTERS ACROSS ROAD:**

N/F 614 FPH REAL ESTATE LLC  
PO BOX 57  
BARRINGTON, NH 03825  
BOOK 4259, PAGE 398  
TAX MAP 238, LOT 61

N/F MARK K. & SHERRY B. ROWELL  
624 FRANKLIN PIERCE HWY  
BARRINGTON, NH 03826  
BOOK 4363, PAGE 898  
TAX MAP 239, LOT 8

N/F TOWN CENTER PROPERTIES LLC  
270 GULF RD  
DOVER, NH 03820  
S.C.R.D. BOOK 4347, PAGE 900  
TAX MAP 239, LOT 7

N/F VICTORIA J. & NATHANIEL LEVITT  
30 RIVERSIDE FARM DRIVE APT B  
LEE, NH 03861  
S.C.R.D. BOOK 4484, PAGE 278  
TAX MAP 239, LOT 4

**SOILS:**  
Gsc - GLOUCESTER VERY STONY FINE SANDY LOAM, 8 TO 15% SLOPES  
HdB - HOLLIS-CHARLTON VERY ROCKY FINE SANDY LOAMS, 3 TO 8% SLOPES  
Hdc - DEERFIELD LOAMY SAND, 0 TO 3% SLOPES  
WdA - WINDSOR LOAMY SAND, 0 TO 3% SLOPES  
SEE WEBSOL USDA-NRCS

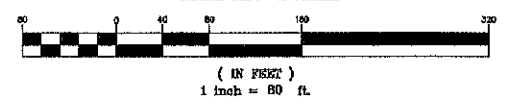
**ROAD NOTE:**

NH ROUTE 9 / FRANKLIN PIERCE HIGHWAY  
CLASS V, PAVED  
4 RDS WIDE, NH STATE PAPERS -- BOOK 15, PAGE 669

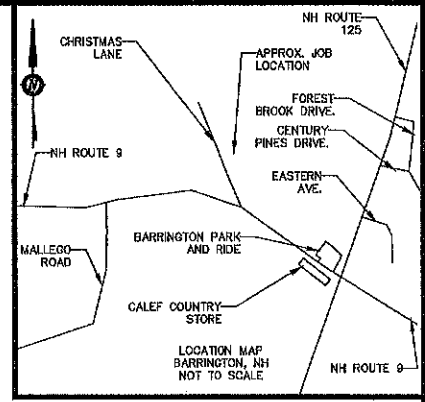
**LEGEND:**

- DRILL HOLE (FND)
- IRON PIPE (FND)
- IRON BOUND (FND)
- UTILITY POLE
- WELL
- NRCS SOIL DELINEATION LINE
- STONE WALL
- WETLAND LINE
- 60' WETLAND BUFFER
- BUILDING SETBACK LINE
- OVERHEAD UTILITIES LINE
- STRAFFORD COUNTY REGISTRY OF DEEDS
- TYPICAL FOUND

**GRAPHIC SCALE**



I CERTIFY THAT THIS PLAT EXCEEDS THE MINIMUM REQUIREMENT FOR ACCURACY AND COMPLETENESS OF THE STATE OF N.H. AND OF THE TOWN OF BARRINGTON, N.H. - 1:10,000 -  
[Signature] 9-26-18  
KENNETH A. BERRY LLS 805 DATE



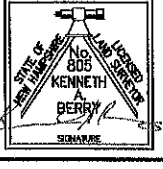
**NOTES:**

- 1.) OWNER: A.) 1982 REAL ESTATE LLC 40 WAKEFIELD STREET ROCHESTER, NH 03868 B.) JOHN & LINDA SVENSON P.O. BOX 10 BARRINGTON, NH 03825
- 2.) A.) TAX MAP 239, LOT 2 B.) TAX MAP 235, LOT 1 & 1-1
- 3.) LOT AREA: A.) 312,181 Sq. Ft., 7.17 Ac. B.) 185,080 Sq. Ft., 4.25 Ac. & 323,215 Sq. Ft., 7.42 Ac.
- 4.) S.C.R.D. A.) BOOK 4268, PAGE 115 B.) BOOK 993, PAGE 080
- 5.) ZONING: TOWN CENTER FRONTAGE ~ 40.0' MINIMUM LOT SIZE ~ 20,000 SQUARE FEET FRONT SETBACK ~ 20.0' NH ROUTE 120/B SET BACK: ~ 60' REAR SETBACK ~ 15.0' SIDE SETBACK ~ 15.0' COMMERCIAL / RESIDENTIAL BUFFER ~ 50.0' WETLANDS/WATERBODY SETBACK ~ 50.0' MAX. STRUCTURE HEIGHT: 40.0'
- 6.) I HEREBY CERTIFY THAT, TO THE BEST OF MY KNOWLEDGE & BELIEF, PART OF THIS PARCEL DOES FALL WITHIN THE FLOOD PLAIN FLOOD HAZARD REF: FEMA COMMUNITY# -330178, MAP# - 3301703035E, DATED: SEPTEMBER 30, 2016.
- 7.) VERTICAL DATUM BASED ON USGS NAVD88 ELEVATIONS. HORIZONTAL COORDINATES BASED ON NAD83. COORDINATES GATHERED USING TOPCON HIPER SR SURVEY GRADE GPS RECEIVERS.
- 8.) THE INTENT OF THIS PLAN IS TO SHOW THE EXISTING CONDITIONS OF TAX MAP 239 LOT 2 AND TAX MAP 235 LOT 1 & 1-1

REVISION	DATE	DESCRIPTION
1	9-26-18	REVISED PER CONDITIONS OF APPROVAL OF 9-18-18
2	9-26-18	REVISED PER DRK COMMENTS OF 9-5-18

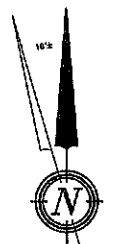
EXISTING CONDITIONS PLAN  
LAND OF  
1982 REAL ESTATE LLC &  
JOHN & LINDA SVENSON  
FRANKLIN PIERCE HIGHWAY  
BARRINGTON, NH 03825  
TAX MAP 239 LOT 2 & MAP 235 LOT 1.1

BERRY SURVEYING & ENGINEERING  
335 SECOND CROWN POINT ROAD  
BARRINGTON, NH 03825 (603)332-2863  
SCALE: 1 IN. EQUALS 80 FT.  
DATE: AUGUST 13, 2018  
FILE NO.: DB 2018 - 005



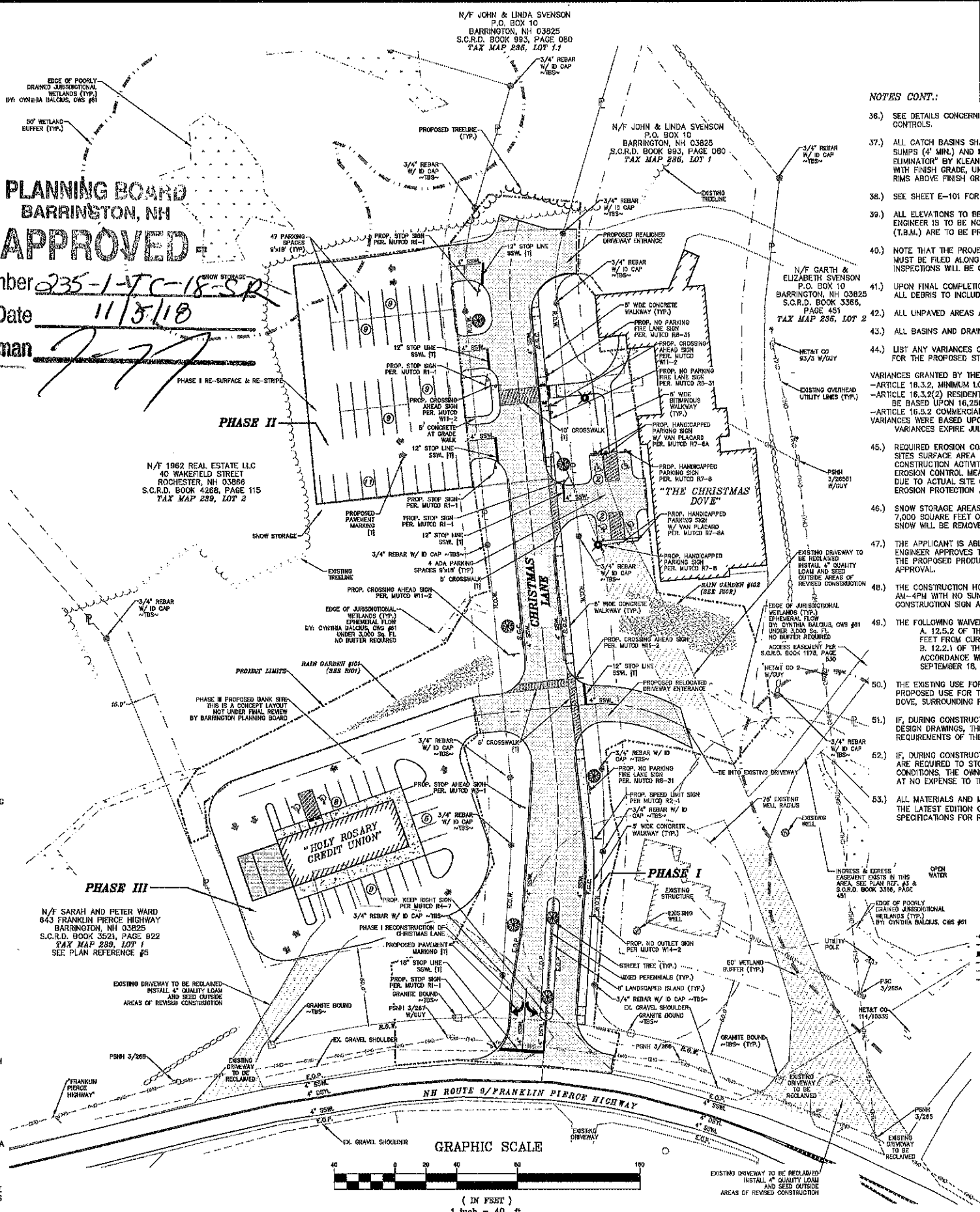
NOTES:

- THE INTENT OF THIS PLAN SET IS TO DEMONSTRATE THE CONCEPT SITE PLAN DESIGN OF A PROPOSED BANK, HOLY ROSARY CREDIT UNION, THE REVERSE CONSTRUCTION OF CHRISTMAS LANE, AND A REVISED PARKING LOT FOR THE CHRISTMAS DOVE.
- OWNER: A.) 1892 REAL ESTATE LLC  
40 WAKEFIELD STREET  
ROCHESTER, NH 03866  
B.) JOHN & LINDA SVENSON  
P.O. BOX 10  
BARRINGTON, NH 03825
- TAX MAP 239, LOT 2  
B.) TAX MAP 235, LOT 1.1
- LOT AREA: A.) 114,280 Sq. Ft., 2.62 Ac.  
B.) 708,280 Sq. Ft., 16.21 Ac.
- S.C.R.D. A.) BOOK 4268, PAGE 115  
B.) BOOK 993, PAGE 080
- ZONING: TOWN CENTER  
FRONTAGE ~ 40.0'  
MINIMUM LOT SIZE ~ 20,000 SQUARE FEET  
FRONT SETBACK ~ 20.0'  
REAR SETBACK ~ 15.0'  
SIDE SETBACK ~ 15.0'  
COMMERCIAL/RESIDENTIAL BUFFER ~ 50.0'  
WETLANDS/WATERBODY SETBACK ~ 50.0'  
MAX. STRUCTURE HEIGHT: 40.0'  
MAX. LOT COVERAGE FOR IMPERVIOUS SURFACE ~ 60.0%
- I HEREBY CERTIFY THAT, TO THE BEST OF MY KNOWLEDGE & BELIEF, PART OF THIS PARCEL DOES FALL WITHIN THE FLOOD PLAIN FLOOD HAZARD REF.: FEMA COMMUNITY# - 330178, MAP# - 33017C0305E, DATED: SEPTEMBER 30, 2015.
- LOCUS PARCEL IS SUBJECT TO EASEMENTS AS NOTED.
- PROPERTY LINE INFORMATION HAS BEEN OBTAINED FROM A SURVEY PERFORMED BY BERRY SURVEYING & ENGINEERING IN JUNE 2017 WITH AN ERROR OF CLOSURE GREATER THAN 1 IN 20,000 UNDER NO SNOW CONDITIONS.
- AS-BUILT PLANS OF THE SITE SHALL BE SUBMITTED ON A REPRODUCIBLE MYLAR MEDIUM AND IN A DIGITAL DXF FORMAT ON DISK TO THE TOWN OF BARRINGTON PLANNING OFFICE UPON COMPLETION OF PROJECT. AS-BUILT PLANS SHALL BE PREPARED AND CERTIFIED CORRECT BY A L.L.S. OR P.E.
- TOPOGRAPHIC SURVEY PERFORMED BY BERRY SURVEYING & ENGINEERING IN SUMMER OF 2017 UNDER NO SNOW CONDITIONS AND IS SHOWN AT 1 FOOT INTERVALS.
- DATUM: PROJECT DATUM IS BASED ON GPS COORDINATES ESTABLISHED WITH A TOPCON HIPER SR RECEIVER IN JUNE 2017 AND REPRESENTED IN NEW HAMPSHIRE STATE PLANE COORDINATES NAD 1983 AND VERTICALLY BY NAVD 1988.
- 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.
- ALL ON-SITE UTILITIES SHALL BE INSTALLED UNDERGROUND.
- THE SUBJECT PARCELS ARE NOT SERVED BY ON SITE WATER AND EFFLUENT DISPOSAL.
- ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO APPLICABLE TOWN AND STATE CODES.
- 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.
- THE LIMITS OF CONSTRUCTION DISTURBANCE SHALL BE STAKED, FLAGGED AND CLEARLY IDENTIFIED PRIOR TO THE COMMENCEMENT OF SITE WORK.
- ALL TREATMENT SWALES TO BE CONSTRUCTED SHALL HAVE SOD BOTTOMS.
- 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. COORDINATE WITH TOWN OF BARRINGTON, COMMUNITY SERVICES.
- A PRE-CONSTRUCTION CONFERENCE WITH THE DEVELOPER, THE DESIGN ENGINEER, THE EARTHWORK CONTRACTOR, AND THE TOWN ENGINEER SHALL OCCUR PRIOR TO ANY EARTH DISTURBING ACTIVITY.
- BUILDING ADDRESSES SHALL BE ASSIGNED BY THE BUILDING INSPECTOR AT THE TIME OF ISSUANCE OF A BUILDING PERMIT.
- THE FOLLOWING FEDERAL AND STATE PERMITS HAVE BEEN ISSUED FOR THE SUBJECT PROPERTY:  
EPA NOTICE OF INTENT (NOI): NHRI000LB  
NHDOT DRIVEWAY PERMIT:
- PHASE I PROPOSES APPROXIMATELY 69,000 SQ. FT. OF DISTURBANCE.
- CALL DIG SAFE PRIOR TO BEGINNING WORK (1-888-344-7233)
- ALL CONSTRUCTION SHALL CONFORM TO THE STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. CONSTRUCTION SHALL ALSO CONFORM TO THE TOWN OF BARRINGTON POLICIES AND PRACTICES, AND TOWN OF BARRINGTON SUBDIVISION REGULATIONS.
- 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.
- THERE IS CLEAR SITE DISTANCE IN BOTH THE EAST AND WEST DIRECTIONS AT THE PROPOSED ENTRANCE OF THE SITE. SEE PROVIDED SIGHT DISTANCE PROFILES.
- LAMP BASES ARE TO BE A MINIMUM OF 3' OFF THE EDGE OF PAVEMENT AND PAINTED A NEUTRAL COLOR.
- EXTERIOR LIGHTING SHALL BE CUT-OFF TYPE FIXTURES AND SHALL PROVIDE LIGHTING DIRECTED ON-SITE ONLY.
- CONTRACTOR SHALL COORDINATE ALL ELECTRICAL INSTALLATIONS WITH EVERSOURCE AT (603) 438-7708. ALL ELECTRIC CONDUIT INSTALLATION SHALL BE INSPECTED BY EVERSOURCE PRIOR TO BACKFILL. A 48-HOUR MINIMUM NOTICE IS REQUIRED.
- CONTRACTOR SHALL COORDINATE ALL TELECOMMUNICATIONS INSTALLATIONS WITH FAIRPOINT COMMUNICATIONS AT (603) 427-6525, AS APPLICABLE.
- CONTRACTOR SHALL COORDINATE ALL CABLE INSTALLATIONS WITH ATLANTIC BROADBAND.
- IF THE EARTHWORK IS PERFORMED DURING FREEZING WEATHER, 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.
- 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.



PLANNING BOARD  
BARRINGTON, NH  
- APPROVED -

File Number 235-1-TC-18-SR  
Date 11/5/18  
Chairman [Signature]



**PARKING REQUIREMENTS:**

TABLE 6. PARKING STANDARDS BY USE	
RETAIL STORE	1 SPACE PER 250 SQ. FT.
CHRISTMAS DOVE	11,480 SQ. FT. / 1 SPACE PER 250 SQ. FT. = 46 SPACES REQ.
46 SPACES REQUIRED	61 SPACES PROVIDED

- NOTES CONT.:
- SEE DETAILS CONCERNING SITE LAYOUT, DRAINAGE, UTILITY AND SEDIMENT AND EROSION CONTROLS.
  - ALL CATCH BASINS SHALL BE PRE-CAST H-20 LOADING AND SHALL BE EQUIPPED WITH DEEP SUMP (4" MIN.) AND HOODS UNLESS OTHERWISE NOTED (SEE DETAILS). HOODS ARE TO BE "THE ELIMINATOR" BY KLEANSTREAM. RIMS ARE TO BE "HOOT B" STYLE AND SHALL BE SET FLUSH WITH FINISH GRADE, UNLESS OTHERWISE INSTRUCTED DURING CONSTRUCTION BY DESIGN ENGINEER. RIMS ABOVE FINISH GRADE WILL NOT BE ACCEPTED.
  - SEE SHEET E-101 FOR INLET PROTECTION DETAILS.
  - 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.
  - NOTE THAT THE PROJECT IS SUBJECT TO THE EPA NPDES PHASE II. THE NOTICE OF INTENT (NOI) MUST BE FILED ALONG WITH A STORMWATER POLLUTION PREVENTION PLAN (SWPPP). WEEKLY INSPECTIONS WILL BE CONDUCTED BY THE DESIGN ENGINEER.
  - UPON FINAL COMPLETION AND 85% STABILIZATION THE DRAINAGE SYSTEM IS TO BE CLEANED OF ALL DEBRIS TO INCLUDE THE PUMPING OF THE BASIN SUMPS.
  - ALL UNPAVED AREAS ARE TO RECEIVE 4" QUALITY LOAM AND SEED
  - ALL BASINS AND DRAINS ARE TO HAVE BOOTS INSTALLED ON ALL INLETS AND OUTLETS
  - LIST ANY VARIANCES OR SPECIAL EXCEPTIONS GRANTED BY THE ZONING BOARD OF ADJUSTMENT FOR THE PROPOSED STRUCTURE.

- VARIANCES GRANTED BY THE TOWN OF BARRINGTON ZONING BOARD OF ADJUSTMENT ON JULY 20, 2016:
- ARTICLE 16.3.2. MINIMUM LOT SIZE AT AREA
  - ARTICLE 16.3.2.2. RESIDENTIAL USES, PERMITTING THE NET DENSITY FOR A SINGLE FAMILY DWELLING TO BE BASED UPON 16,250 SQ. FT. PER DWELLING.
  - ARTICLE 16.3.2. COMMERCIAL COMPONENT REQUIREMENTS, TO ALLOW 26.5% WHERE 60% IS REQUIRED. VARIANCES WERE BASED UPON TOTAL LAND AREA OF LOTS 239-2, 235-1, 239-2 AND 235-3. VARIANCES EXPIRE JULY 20, 2021.
- REQUIRED EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY DISTURBANCE OF THE SITE 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 ANY 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 TOWN.
  - SNOW STORAGE AREAS ARE AS SHOWN ON THIS SITE PLAN, WHICH PROVIDES FOR APPROXIMATELY 7,000 SQUARE FEET OF STORAGE IN PHASE I AND 2. THIS REPRESENTS A 6:1 RATIO. EXCESS SNOW WILL BE REMOVED FROM THIS SITE AND DISPOSED OF IN A QUALIFIED LOCATION.
  - THE APPLICANT IS ABLE TO MAKE LIKE CHANGES TO PRODUCTS SO LONG AS THE DESIGN ENGINEER APPROVES THAT THEY MEET THE DESIGN INTENT. THE DESIGN ENGINEER IS TO NOTE THE PROPOSED PRODUCT CHANGE AND SEND REQUEST FOR REVIEW TO THE TOWN ENGINEER FOR APPROVAL.
  - THE CONSTRUCTION HOURS SHALL BE LIMITED TO MONDAY-FRIDAY 7AM-8PM, SATURDAY 9AM-4PM WITH NO SUNDAY HOURS. HOURS OF CONSTRUCTION SHALL BE DOCUMENTED ON A SITE CONSTRUCTION SIGN ALONG WITH THE CONTACT INFORMATION FOR THE GENERAL CONTRACTOR.
  - THE FOLLOWING WAIVERS ARE HEREBY REQUESTED AS PART OF THIS SITE PLAN.  
A. 12.5.2 OF THE SUBDIVISION REGULATIONS, MINIMUM OF FIVE FEET WIDE AND SETBACK FIVE FEET FROM CURB FACE: APPROVED BY THE BOARD SEPTEMBER 4, 2018  
B. 12.2.1 OF THE SUBDIVISION REGULATIONS, PROPOSED VERTICAL CURVATURES IN ACCORDANCE WITH AASHTO'S "GREEN BOOK": APPROVED BY THE PLANNING BOARD SEPTEMBER 18, 2018.
  - THE EXISTING USE FOR CHRISTMAS LANE IS TO SERVICE THE EXISTING CHRISTMAS DOVE. THE PROPOSED USE FOR THE RECONSTRUCTED CHRISTMAS LANE WILL BE TO SERVICE THE CHRISTMAS DOVE, SURROUNDING RESIDENCES AND FUTURE DEVELOPMENT.
  - IF, DURING CONSTRUCTION, IT BECOMES APPARENT THAT DEFICIENCIES EXIST IN THE APPROVED DESIGN DRAWINGS, THE OWNERS SHALL BE REQUIRED TO CORRECT THE DEFICIENCIES TO MEET THE REQUIREMENTS OF THE REGULATIONS AT NO EXPENSE TO THE TOWN.
  - IF, DURING CONSTRUCTION, IT BECOMES APPARENT THAT ADDITIONAL EROSION CONTROL MEASURES ARE REQUIRED TO STOP ANY 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 TOWN.
  - ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL CONFORM TO TOWN REGULATIONS AND THE LATEST EDITION OF THE NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

LEGEND:

●	IRON BOUND (TBS)
●	GRANITE BOUND (TBS)
○	UTILITY POLE/BUY WIRE
---	STONE WALL
---	WETLAND LINE
---	50' WETLAND BUFFER
---	BUILDING SETBACK LINE
---	OVERHEAD UTILITIES LINE
---	PROJECT LIMITS
---	STRAFFORD COUNTY REGISTRY OF DEEDS
---	TYPICAL
---	FOUND
---	PROPERTY LINE
---	R.O.W.
---	TO BE SET
---	TO BE REMOVED
---	PROPOSED
---	EXISTING
---	E.O.P.
---	DOUBLE SOLID YELLOW LINE
---	SSWL
---	SINGLE SOLID WHITE LINE
---	V.G.C.
---	SLOPED GRANITE CURB
---	S.G.C.
---	PROPOSED RAIN GARDEN

N/F BERNARD F. & SUSAN D. BENNETT  
611 FRANKLIN PIERCE HIGHWAY  
BARRINGTON, NH 03825  
S.C.R.D. BOOK 3254, PAGE 119  
TAX MAP 239, LOT 1  
SEE PLAN REFERENCE #3

OVERVIEW SITE PLAN  
LAND OF  
1962 REAL ESTATE LLC &  
JOHN & LINDA SVENSON  
FRANKLIN PIERCE HIGHWAY  
BARRINGTON, NH 03825  
TAX MAP 239 LOT 2 & MAP 285 LOT 1.1

BERRY SURVEYING & ENGINEERING  
335 SECOND CROWN POINT ROAD  
BARRINGTON, NH 03825 (603) 332-2863  
SCALE: 1 IN. EQUALS 40 FT.  
DATE: AUGUST 13, 2018  
FILE NO.: DB 2018 - 005

REVISION	DATE	DESCRIPTION
#1	9-26-18	REVISED PER DBK COMMENTS OF 9-5-18
#2	9-26-18	REVISED PER CONDITIONS OF APPROVAL OF 9-18-18

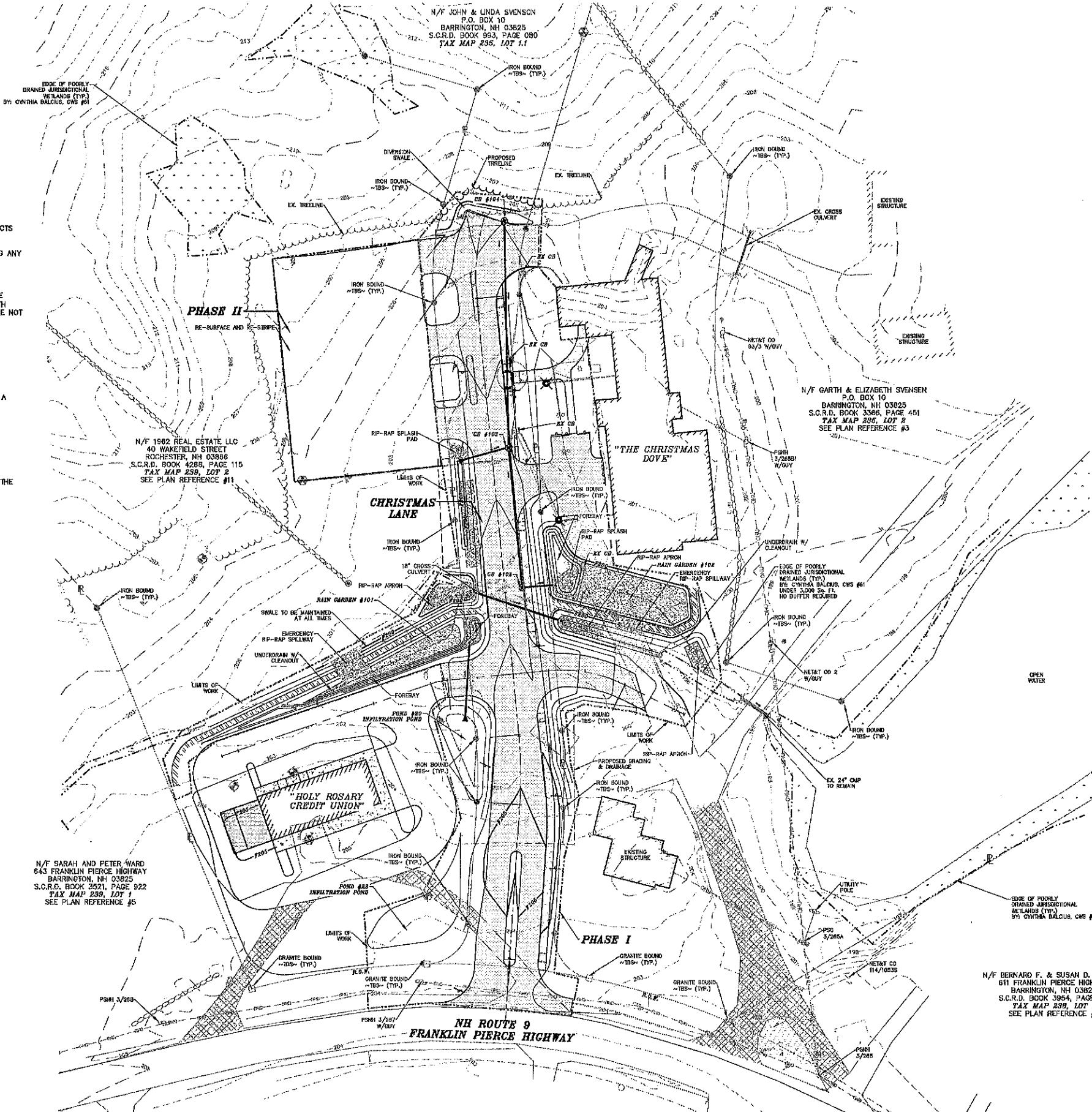
SHEET 3 OF 19



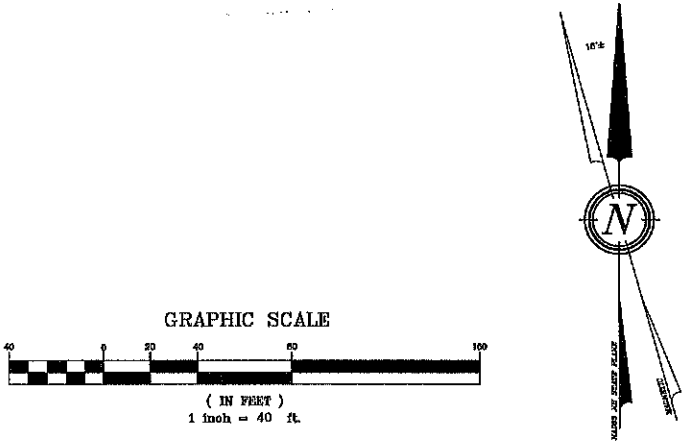


NOTES:

- 1.) THE INTENT OF THIS PLAN IS TO DEMONSTRATE THE GRADING AND DRAINAGE PLAN DESIGN OF THE CHRISTMAS DOVE PARKING LOT AND CHRISTMAS LANE.
- 2.) OWNER: A.) 1982 REAL ESTATE LLO  
40 WAKEFIELD STREET  
ROCHESTER, NH 03866  
B.) JOHN & LINDA SVENSON  
P.O. BOX 10  
BARRINGTON, NH 03868
- 3.) A.) TAX MAP 239, LOT 2  
B.) TAX MAP 235, LOT 1.1
- 4.) S.C.R.D. A.) BOOK 4268, PAGE 115  
B.) BOOK 993, PAGE 080
- 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 DISSAFE 1-888-344-7233 AT LEAST 72 HOURS PRIOR TO COMMENCING ANY EXCAVATION ON PUBLIC OR PRIVATE PROPERTY.
- 7.) SEE DETAILS CONCERNING SITE LAYOUT, DRAINAGE, UTILITY AND SEDIMENT AND EROSION CONTROLS.
- 8.) ALL CATCH BASINS SHALL BE PRE-CAST H-20 LANDING AND SHALL BE EQUIPPED WITH DEEP SUMPS (4' MIN.) AND HOODS (SEE DETAILS) HOODS ARE TO BE "THE ELIMINATOR" BY KLEANSTREAM. RIMS ARE TO BE REXUS STYLE AND SHALL BE SET FLUSH WITH FINISH GRADE, UNLESS OTHERWISE INSTRUCTED DURING CONSTRUCTION BY DESIGN ENGINEER. RIMS ABOVE FINISH GRADE WILL NOT BE ACCEPTED. ALL RIMS, GRATES AND COVERS ARE TO BE U.S.A MADE.
- 9.) SEE SEDIMENT & EROSION CONTROL PLAN FOR INLET PROTECTION AND CONTROLS FOR THE ENTIRE SITE.
- 10.) ALL DRAINAGE PIPE IS TO BE HDPE N-12 ASTM F2848. (GREEN PIPE) INDIVIDUAL PIPE SIZES ARE SPECIFIED
- 11.) 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.
- 12.) NOTE THAT THE PROJECT IS SUBJECT TO THE EPA NPDES PHASE II. THE NOTICE OF INTENT (NOI) MUST BE FILED ALONG WITH A STORMWATER POLLUTION PREVENTION PLAN (SWPPP). WEEKLY INSPECTIONS WILL BE CONDUCTED BY THE DESIGN ENGINEER.
- 13.) UPON FINAL COMPLETION AND 85% STABILIZATION THE DRAINAGE SYSTEM IS TO BE CLEANED OF ALL DEBRIS TO INCLUDE THE PUMPING OF THE BASIN SUMPS.
- 14.) ALL UNPAVED AREAS ARE TO RECEIVE 4" QUALITY LOAM AND SEED
- 15.) ALL BASINS AND DRAINS ARE TO HAVE BOOTS INSTALLED ON ALL INLETS AND OUTLETS
- 16.) ALL PROPOSED CLEAN OUTS ARE TO BE VERTICAL 12" N-12 PIPE WITH CAST IRON COVERS SCREENED WITH STAINLESS SCREWS. THE COVER IS TO BE DEMARGATED WITH A "D"
- 17.) THE RE-USE OF EXISTING BASIN STRUCTURES, CONES AND RIMS WILL BE EVALUATED ON SITE WITH THE DESIGN ENGINEER AND CONTRACTOR.



**PLANNING BOARD  
BARRINGTON, NH**  
**- APPROVED -**  
File Number 235-1-TC-18-SR  
Date 11/5/18  
Chairman [Signature]

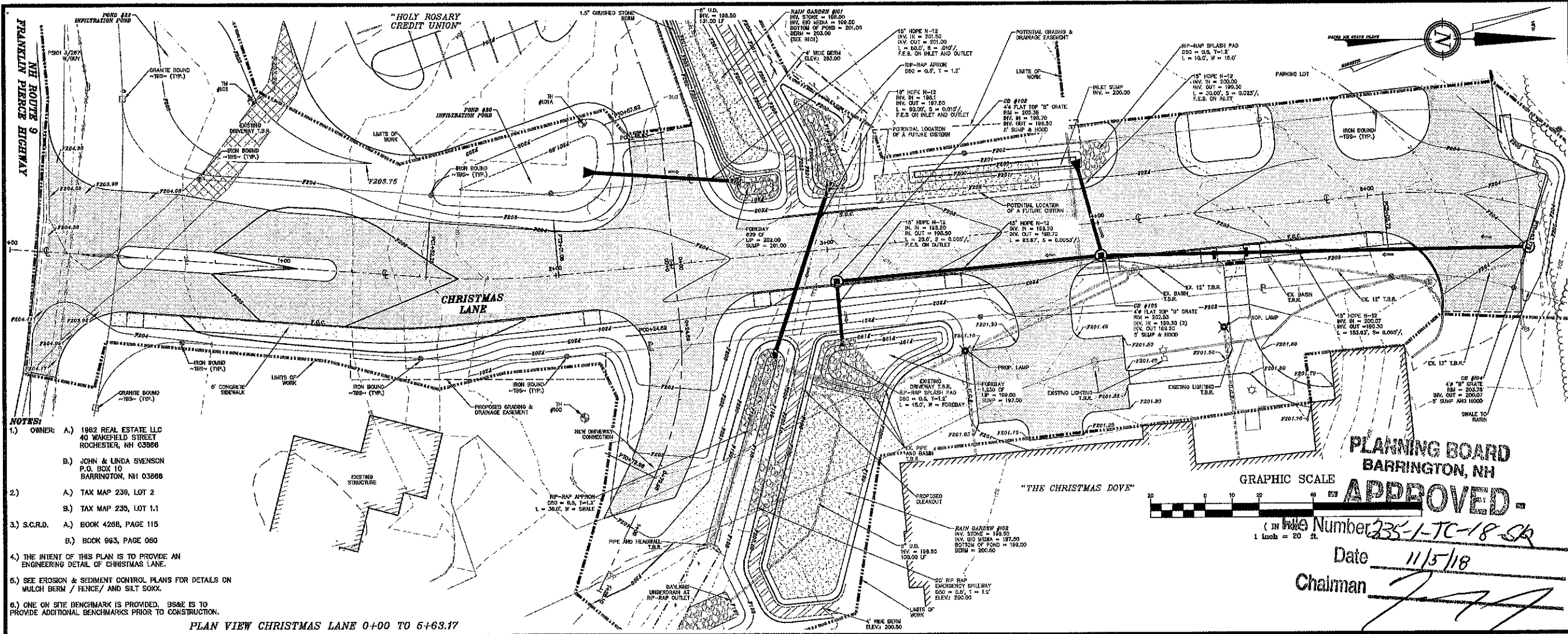


REVISION	DATE	DESCRIPTION
#2	9-28-18 9-6-18	REVISED PER CONDITIONS OF APPROVAL OF 9-18-18 REVISED PER DBK COMMENTS OF 9-5-18

GRADING AND DRAINAGE OVERVIEW PLAN  
LAND OF  
1982 REAL ESTATE LLC &  
JOHN & LINDA SVENSON  
FRANKLIN PIERCE HIGHWAY  
BARRINGTON, NH 03825  
TAX MAP 239 LOT 2 & MAP 235 LOT 1.1

**BERRY SURVEYING & ENGINEERING**  
335 SECOND CROWN POINT ROAD  
BARRINGTON, NH 03825 (603)332-2863  
SCALE : 1 IN. EQUALS 40 FT.  
DATE : AUGUST 13, 2018  
FILE NO. : DB 2018 - 005

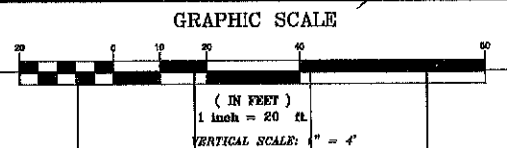
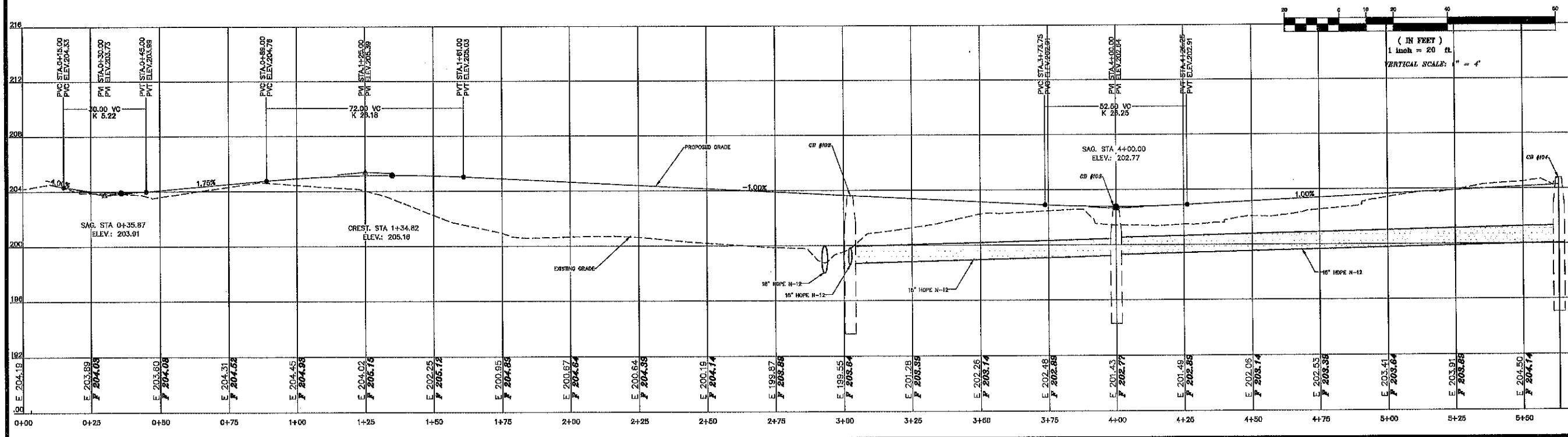




- NOTES:**
- OWNER:
    - 1982 REAL ESTATE LLC  
40 WAKEFIELD STREET  
ROCHESTER, NH 03866
    - JOHN & LINDA SVENSON  
P.O. BOX 10  
BARRINGTON, NH 03866
  - TAX MAP 239, LOT 2
  - S.C.R.D.
    - BOOK 428B, PAGE 115
    - BOOK 963, PAGE 080
  - THE INTENT OF THIS PLAN IS TO PROVIDE AN ENGINEERING DETAIL OF CHRISTMAS LANE.
  - SEE EROSION & SEDIMENT CONTROL PLANS FOR DETAILS ON MULCH BERM / FENCE/ AND SILT SOXX.
  - ONE ON SITE BENCHMARK IS PROVIDED. US&E IS TO PROVIDE ADDITIONAL BENCHMARKS PRIOR TO CONSTRUCTION.

PLAN VIEW CHRISTMAS LANE 0+00 TO 5+63.17

PROFILE VIEW CHRISTMAS LANE 0+00 TO 5+63.17

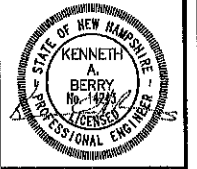


PLANNING BOARD  
BARRINGTON, NH  
**APPROVED**  
Date 11/5/18  
Chairman [Signature]

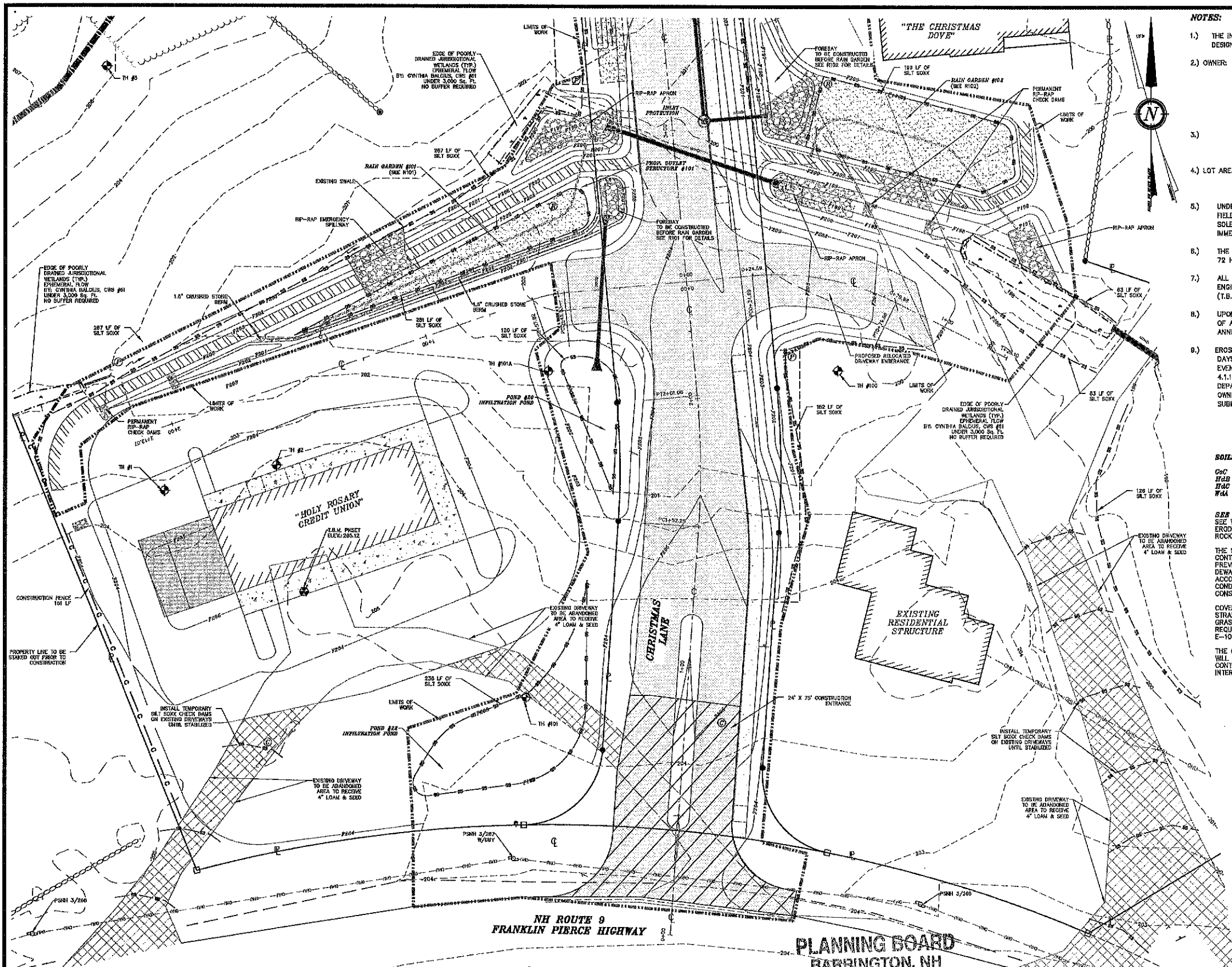
REVISION	DATE	DESCRIPTION
#2	9-26-18	REVISED PER CONDITIONS OF APPROVAL OF 9-18-18
	9-6-18	REVISED PER DEK COMMENTS OF 9-5-18

GRADING AND DRAINAGE CHRISTMAS LANE 0+00 TO 5+60  
LAND OF  
1982 REAL ESTATE LLC &  
JOHN & LINDA SVENSON  
FRANKLIN PIERCE HIGHWAY  
BARRINGTON, NH 03825  
TAX MAP 239 LOT 2 & MAP 235 LOT 1.1

BERRY SURVEYING & ENGINEERING  
335 SECOND CROWN POINT ROAD  
BARRINGTON, NH 03825 (603)332-2863  
SCALE: 1 IN. EQUALS 20 FT.  
DATE: AUGUST 13, 2018  
FILE NO.: DB 2018 - 005







**NOTES:**

- 1.) THE INTENT OF THIS PLAN SET IS TO DEMONSTRATE THE EROSION AND SEDIMENT CONTROL DESIGN OF THE SITE AT CHRISTMAS LANE.
- 2.) OWNER: A.) 1962 REAL ESTATE LLC  
40 WAKEFIELD STREET  
ROCHESTER, NH 03666  
B.) JOHN & LINDA SVENSON  
P.O. BOX 10  
BARRINGTON, NH 03825
- 3.) A.) TAX MAP 236, LOT 2  
B.) TAX MAP 235, LOT 1.1
- 4.) LOT AREA: A.) 114,280 Sq. Ft., 2.62 Ac.  
B.) 706,280 Sq. Ft., 16.21 Ac.
- 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 DISSAFE 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 BANK STABILIZATION, THE DRAINAGE SYSTEM IS TO BE CLEANED OF ALL DEBRIS. SEDIMENT CONTROL PRACTICES REMOVED AND DISPOSED OF PROPERLY, AND ANNUAL MAINTENANCE PERFORMED 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 TOWN OF BARRINGTON, 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.

**SOILS & DEWATERING:**

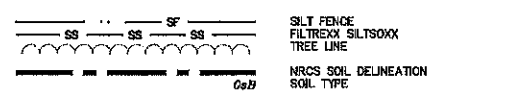
CoC	CLONUNSTER	FINE SANDY LOAM	K= 0.17
HGB	HOLLIS	FINE SANDY LOAM	K= 0.80
W4A	DEERFIELD	LOAMY SAND	K= 0.17
	WINDSOR	LOAMY SAND	K= 0.17

**SEE SITE SPECIFIC SOILS MAP (SSM)**

SEE WEBSOIL USDA-NRCS  
 ERODIBILITY FACTOR - K, CPSC MANUAL, ENVROCERT INTERNATIONAL INC. & ROCKINGHAM COUNTY SOIL SURVEY, ROCKWELL SOIL ATTRIBUTES  
 THE SOIL ERODIBILITY FACTOR (K) OF THE SOILS VARIES SLIGHTLY FROM .017 TO .020. 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 EARLIEST 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.

**LEGEND:**

- ⊗ RAIN GARDEN BIO-MEDIA PROTECTION
- ⊙ PERMEABLE CONTROL
- ⊕ RESIDENTIAL/ROADWAY CONSTRUCTION
- ⊖ IRON PIPE (FND)
- ⊗ IRON BOUND (FND)
- ⊙ REBAR (FND)
- ⊕ UTILITY POLE
- ⊖ GUY WIRE
- ⊙ WELL
- ⊕ BENCHMARK
- ⊗ CONIFEROUS TREE
- ⊙ DECIDUOUS TREE
- ⊖ SILT FENCE
- ⊕ FILTERBOX SILT/STOX
- ⊙ TREE LINE
- ⊖ NRCS SOIL DELINEATION
- ⊕ SOIL TYPE



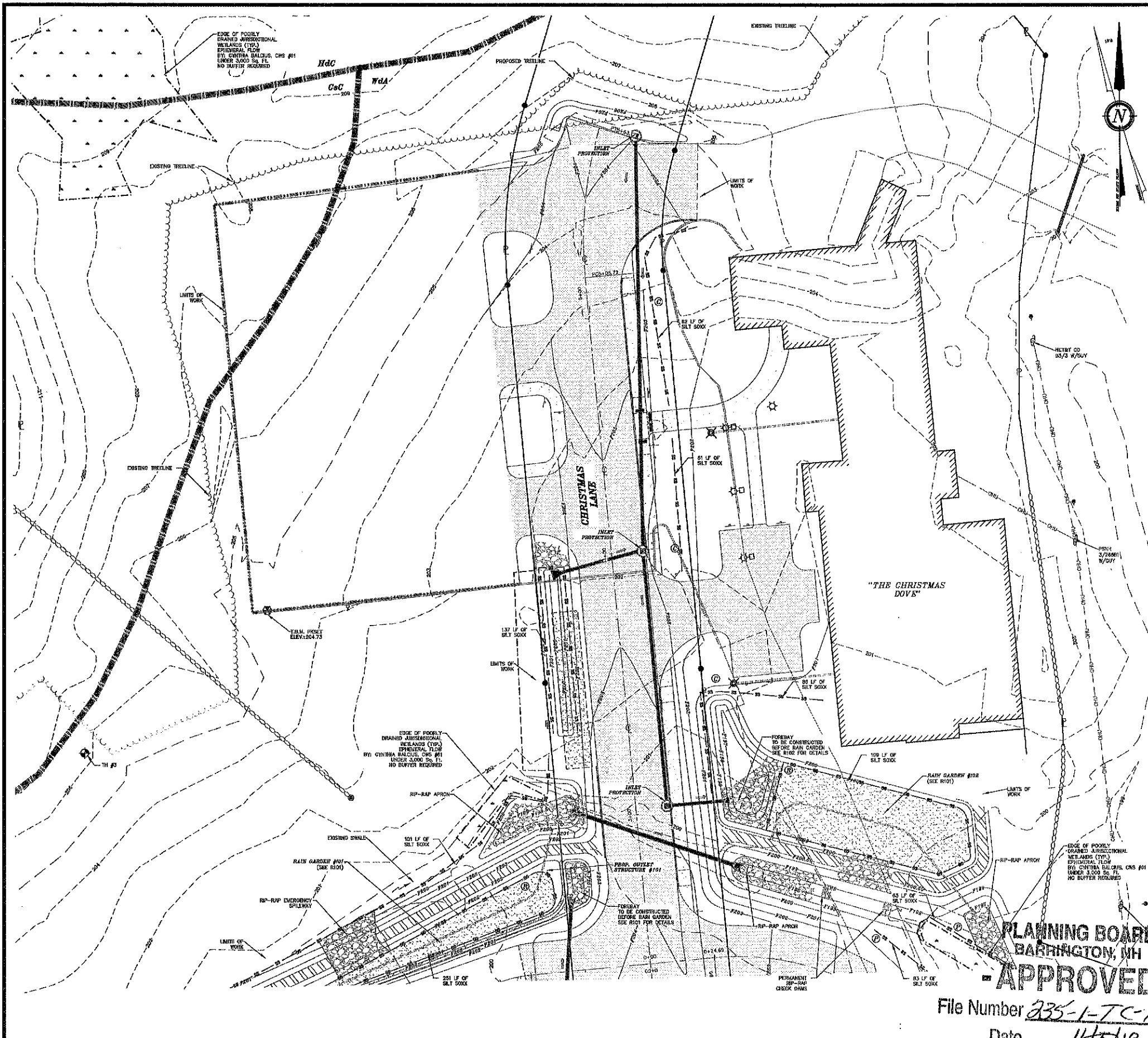
REVISION	DATE	DESCRIPTION
9-25-18	9-6-18	REVISED PER CONDITIONS OF APPROVAL OF 9-18-18
42	9-6-18	REVISED PER DEK COMMENTS OF 9-5-18

EROSION AND SEDIMENT CONTROL PLAN HRCU  
 LAND OF  
 1962 REAL ESTATE LLC &  
 JOHN & LINDA SVENSON  
 FRANKLIN PIERCE HIGHWAY  
 BARRINGTON, NH 03825  
 TAX MAP 289 LOT 2 & MAP 235 LOT 1.1

BERRY SURVEYING & ENGINEERING  
 335 SECOND CROWN POINT ROAD  
 BARRINGTON, NH 03825 (603) 332-2863  
 SCALE : 1 IN. EQUALS 20 FT.  
 DATE : AUGUST 13, 2018  
 FILE NO. : DB 2018 - 005



PLANNING BOARD  
 BARRINGTON, NH  
**APPROVED**  
 File Number 235-1-TC-18-SR  
 Date 11/5/18  
 Chairman [Signature]



- NOTES:**
- 1.) THE INTENT OF THIS PLAN SET IS TO DEMONSTRATE THE EROSION AND SEDIMENT CONTROL DESIGN OF THE SITE AT CHRISTMAS LANE.
  - 2.) OWNER: A.) 1962 REAL ESTATE LLC  
40 WAKEFIELD STREET  
ROCHESTER, NH 03866  
B.) JOHN & LINDA SVENSON  
P.O. BOX 10  
BARRINGTON, NH 03825
  - 3.) A.) TAX MAP 239, LOT 2  
B.) TAX MAP 235, LOT 1.1
  - 4.) LOT AREA: A.) 114,280 Sq. Ft., 2.62 Ac.  
B.) 706,280 Sq. Ft., 16.21 Ac.
  - 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 PERFORMED 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 TOWN OF BARRINGTON, 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.

**SOILS & DEWATERING:**

C&C	GLAUCUSSTRA	FINE SANDY LOAM	K= 0.17
H&B	HOLLIS	FINE SANDY LOAM	K= 0.20
H&C	DEERFIELD	LOAMY SAND	K= 0.17
W&A	WINDSOR	LOAMY SAND	K= 0.17

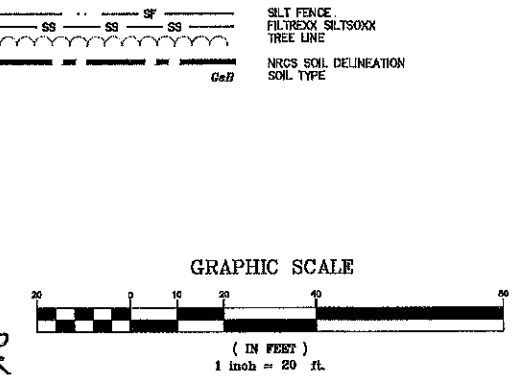
SEE SITE SPECIFIC SOILS MAP (SSSM)  
SEE WEBSOIL USDA-NRCS  
ERODIBILITY FACTOR - K, QPSC MANUAL, ENHROCERT INTERNATIONAL INC. & ROCKINGHAM COUNTY SOIL SURVEY, ROCKWEB SOIL ATTRIBUTES

THE SOIL ERODIBILITY FACTOR (K) OF THE SOILS VARIES SLIGHTLY FROM .017 TO .020. 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 81.2 (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 EARLIEST 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.

- LEGEND:**
- Ⓜ RAIN GARDEN BIO-MEDIA PROTECTION
  - Ⓜ PERIMETER CONTROL
  - Ⓜ RESIDENTIAL ROADWAY CONSTRUCTION
  - Ⓜ IRON PIPE (FND)
  - Ⓜ IRON BOUND (FND)
  - Ⓜ REBAR (FND)
  - Ⓜ UTILITY POLE
  - Ⓜ GUY WIRE
  - Ⓜ WELL
  - Ⓜ BENCHMARK
  - Ⓜ CONIFEROUS TREE
  - Ⓜ DECIDUOUS TREE
  - Ⓜ SILT FENCE
  - Ⓜ FILTERED SILT SOCK
  - Ⓜ TREE LINE
  - Ⓜ NRCS SOIL DELINEATION
  - Ⓜ SOIL TYPE



PLANNING BOARD  
BARRINGTON, NH  
**APPROVED**

File Number 235-1-TC-18-SR  
Date 11/5/18  
Chairman [Signature]

EROSION AND SEDIMENT CONTROL PLAN CHRISTMAS DOVE		REVISED PER CONDITIONS OF APPROVAL OF 9-18-18	DESCRIPTION
LAND OF 1962 REAL ESTATE LLC & JOHN & LINDA SVENSON FRANKLIN PIERCE HIGHWAY BARRINGTON, NH 03825		9-26-18	
TAX MAP 239 LOT 2 & MAP 235 LOT 1.1		9-6-18	
#2	REVISION	DATE	
#1			

BERRY SURVEYING & ENGINEERING 335 SECOND CROWN POINT ROAD BARRINGTON, NH 03825 (603)332-2863	DATE : 1 IN. EQUALS 20 FT. DATE : AUGUST 13, 2018 FILE NO. : DB 2018 - 005
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STATE OF NEW HAMPSHIRE  
KENNETH A. BERRY  
LICENSED PROFESSIONAL ENGINEER

SHEET 9 OF 19

FILTER MEDIA MIXTURES			
Component Material	Percent of Mixture by Volume	Gradation of material	
		Sieve No.	Percent by Weight Passing Standard Sieve
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

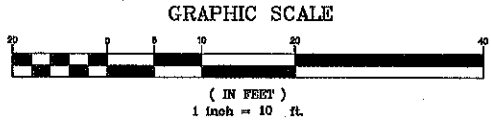
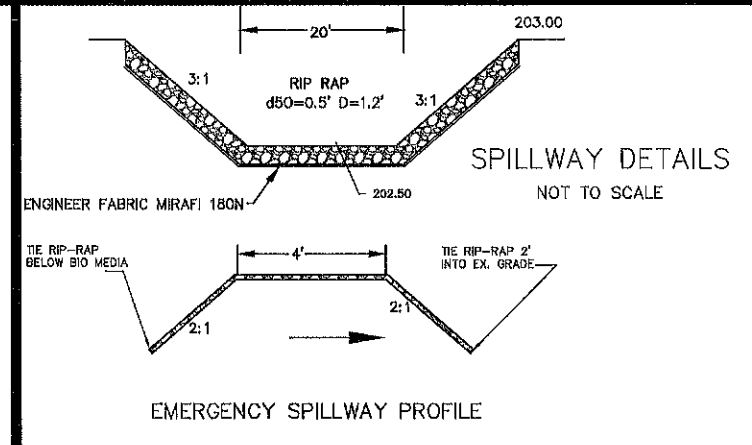
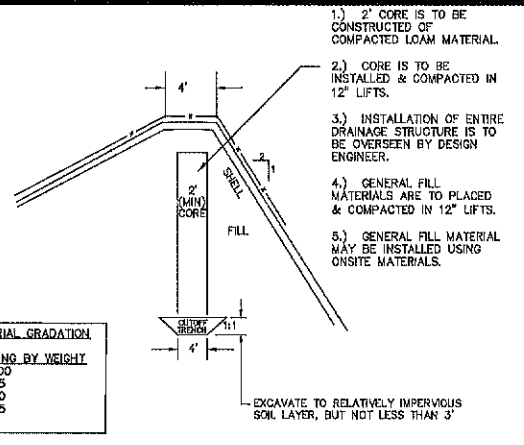
CRUSHED STONE BEDDING		CRUSHED STONE BEDDING	
sieve size	% passing by weight	sieve size	% passing by weight
1"	100	1/2"	100
3/4"	90 - 100	3/8"	90 - 100
3/8"	20 - 55	#4	20 - 55
#4	0 - 10	#8	5 - 30
#8	0 - 5	#16	0 - 10
		#50	0 - 5

\* EQUIVALENT TO STANDARD STONE SIZE #57 - SECTION 702 OF NHDOT STANDARD SPECIFICATIONS

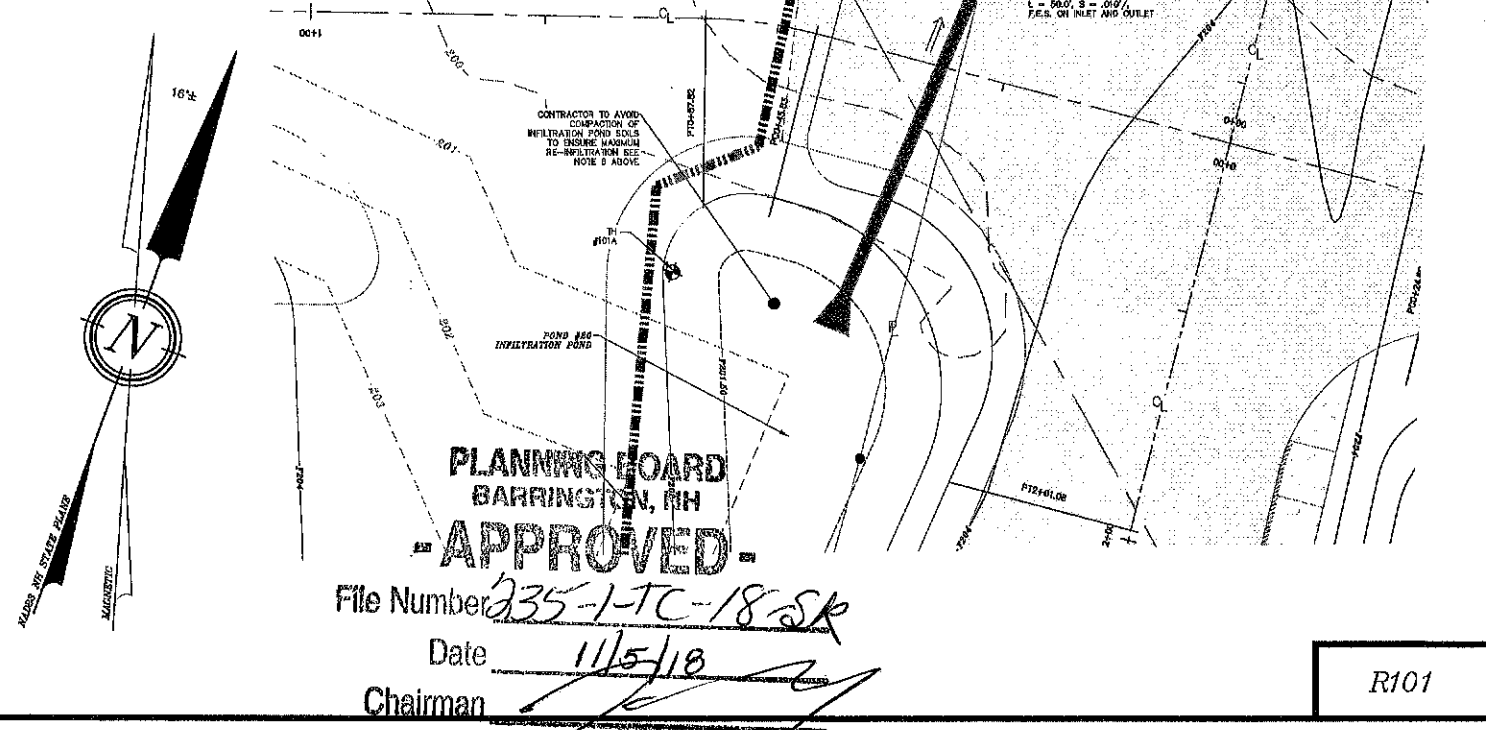
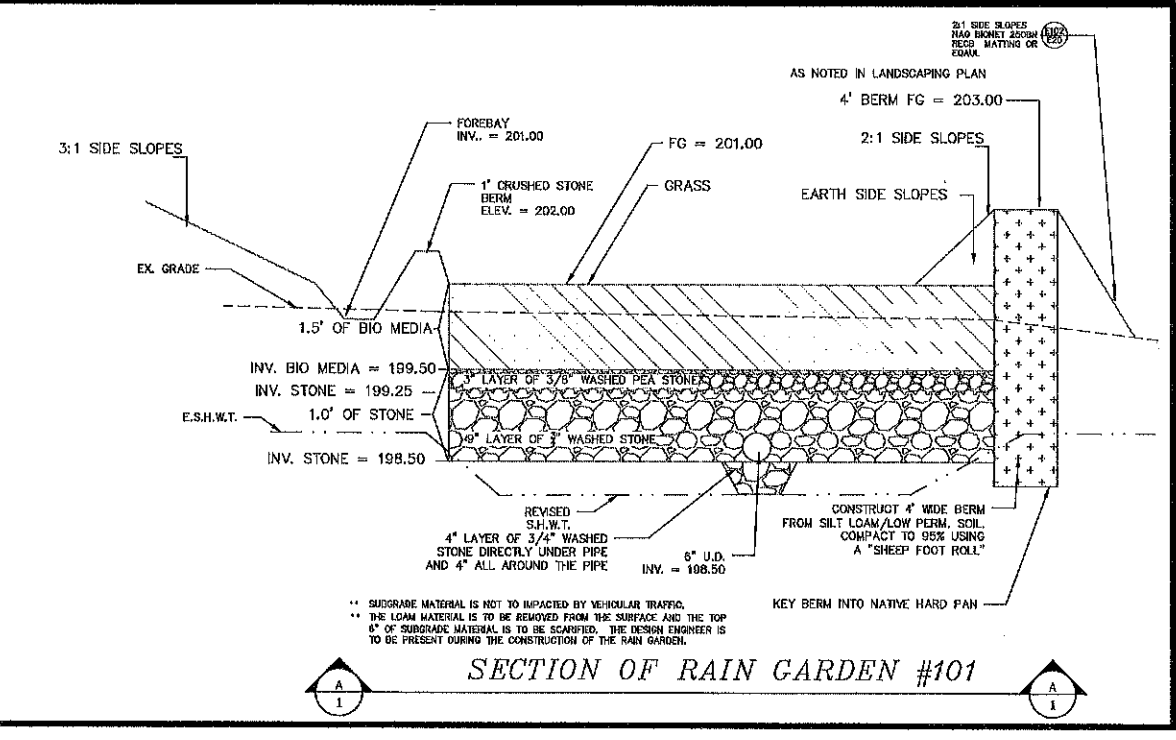
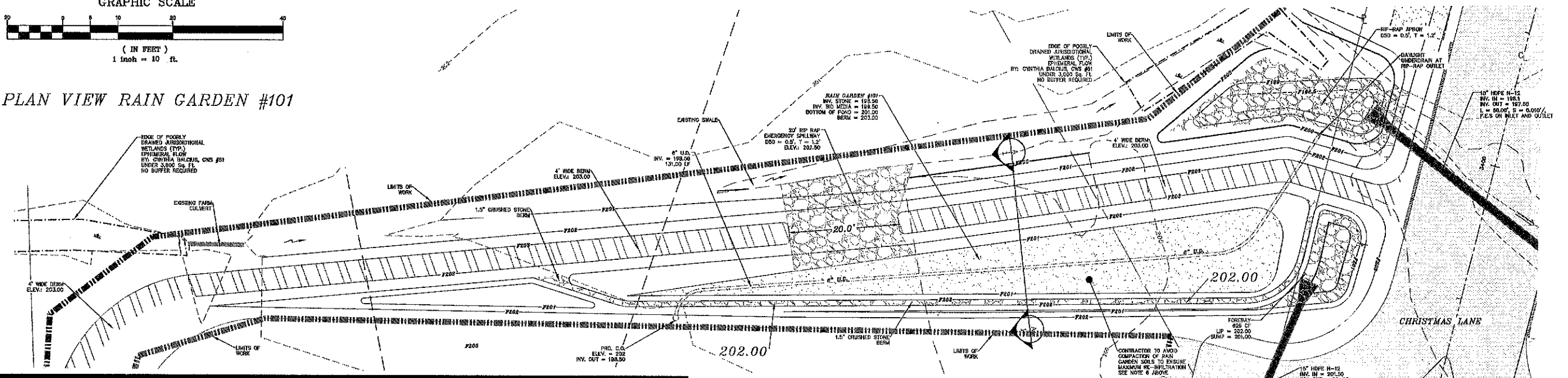
\* EQUIVALENT TO STANDARD STONE SIZE #89 - SECTION 702 OF NHDOT STANDARD SPECIFICATIONS

- NOTES**
- 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.
  - SOIL FILTER MEDIA SHALL BE AS SHOWN ABOVE.
  - COMPACTION IS NOT TO OCCUR IN THE RAIN GARDEN AREAS PRIOR TO CONSTRUCTION. SCARIFICATION REQUIRED IN THE EXISTING COMPACTED TOPSOIL.
  - DO NOT PLACE THE BIORETENTION SYSTEM INTO SERVICE UNTIL THE BMP HAS BEEN PLANTED AND ITS CONTRIBUTING AREAS HAVE BEEN FULLY STABILIZED.
  - DO NOT DISCHARGE SEDIMENT-LADEN WATERS FROM CONSTRUCTION ACTIVITIES (RUNOFF WATER FROM EXCAVATIONS) TO THE BIORETENTION AREA DURING ANY STAGE OF CONSTRUCTION.
  - DO NOT WAIVED EXPOSED SOIL SURFACE WITH CONSTRUCTION EQUIPMENT. IF FEASIBLE PERFORM EXCAVATIONS WITH EQUIPMENT POSITIONED OUTSIDE THE LIMITS OF THE INFILTRATION COMPONENTS OF THE SYSTEM.
  - BUILD RAIN GARDENS FIRST TO DIRECT SITE RUN OFF TO THEM.
- MAINTENANCE REQUIREMENTS**
- SYSTEMS SHOULD BE INSPECTED AT LEAST TWICE ANNUALLY, AND FOLLOWING ANY RAINFALL EXCEEDING 2.6 INCHES IN A 24-HOUR PERIOD, WITH MAINTENANCE OR REHABILITATION CONDUCTED AS WARRANTED BY SUCH INSPECTION.
  - PRETREATMENT MEASURES SHOULD BE INSPECTED AT LEAST TWICE ANNUALLY, AND CLEANED OF ACCUMULATED SEDIMENT AS WARRANTED BY INSPECTION, BUT NO LESS THAN ONCE ANNUALLY.
  - AT LEAST ONCE ANNUALLY, SYSTEM SHOULD BE INSPECTED FOR DRAINDOWN 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.
  - 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**
- UNH STORMWATER CENTER
  - NEW HAMPSHIRE STORMWATER MANAGEMENT MANUAL, VOLUME 2, DECEMBER 2008 AS AMENDED.

LOW PERMEABILITY MATERIAL GRADATION	
SIEVE SIZE	% PASSING BY WEIGHT
#40	95 - 100
#60	80 - 95
#100	40 - 60
#200	25 - 45



PLAN VIEW RAIN GARDEN #101



REVISION	DATE	DESCRIPTION
1	9-26-18	REVISION PER CONDITIONS OF APPROVAL OF 9-18-18
2	9-6-18	REVISION PER DPK COMMENTS OF 9-5-18

RAIN GARDEN #101 DETAILS  
 LAND OF  
 1962 REAL ESTATE LLC &  
 JOHN & LINDA SVENSON  
 FRANKLIN PIERCE HIGHWAY  
 BARRINGTON, NH 03825  
 FAX MAP 238 LOT 2 & MAP 236 LOT 1.1

**BERRY SURVEYING & ENGINEERING**  
 335 SECOND CROWN POINT ROAD  
 BARRINGTON, NH 03825 (603) 332-2863  
 SCALE : 1 IN. EQUALS 10 FT.  
 DATE : AUGUST 13, 2018  
 FILE NO. : DB 2018 - 005

R101

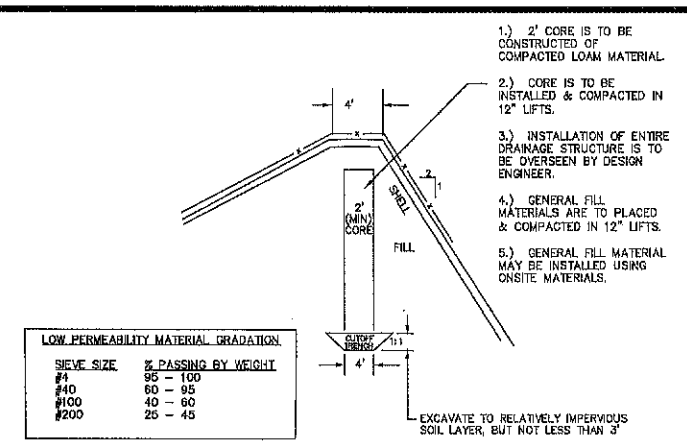
SHEET 10 OF 19

FILTER MEDIA MIXTURES			
Component Material	Percent of Mixture by Volume	Gradation of material	
		Sieve No.	Percent by Weight Passing Standard Sieve
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

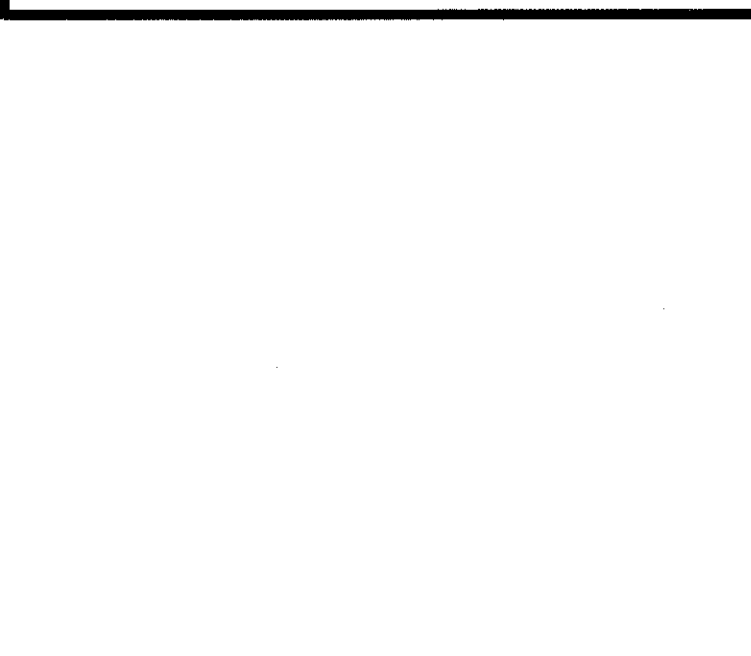
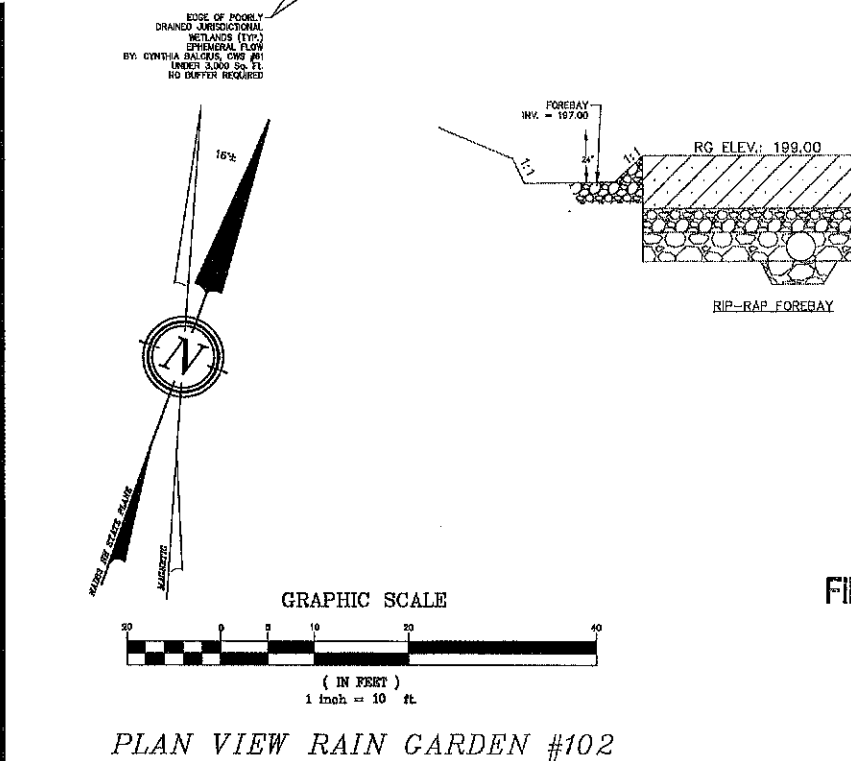
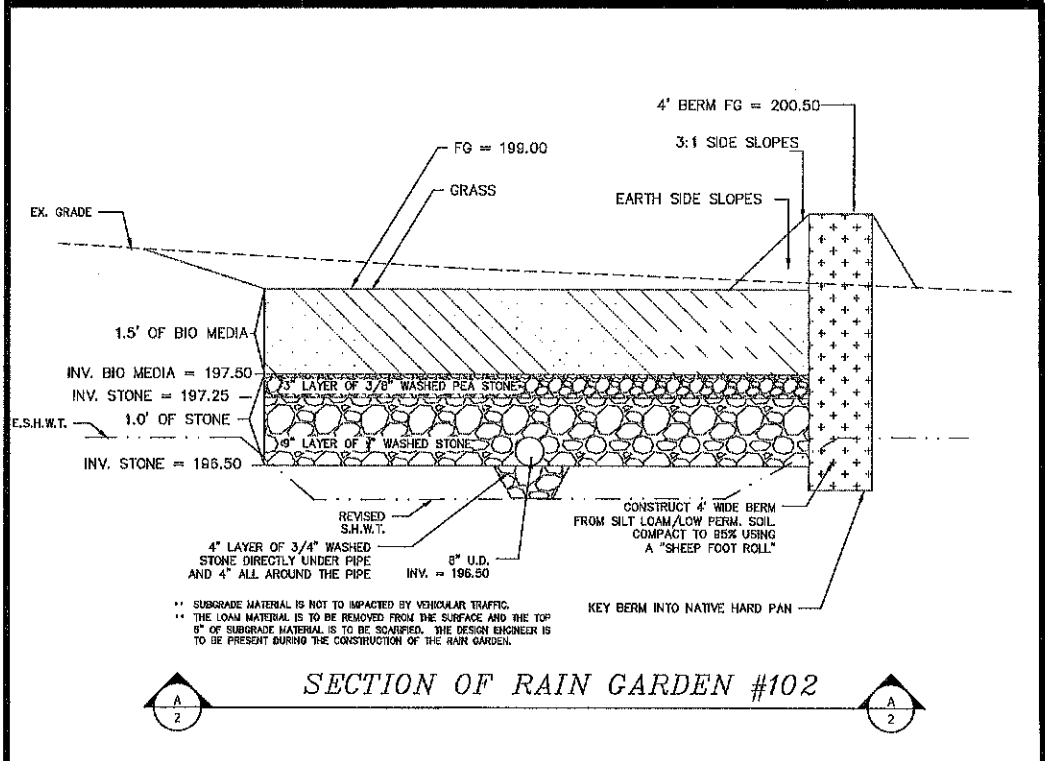
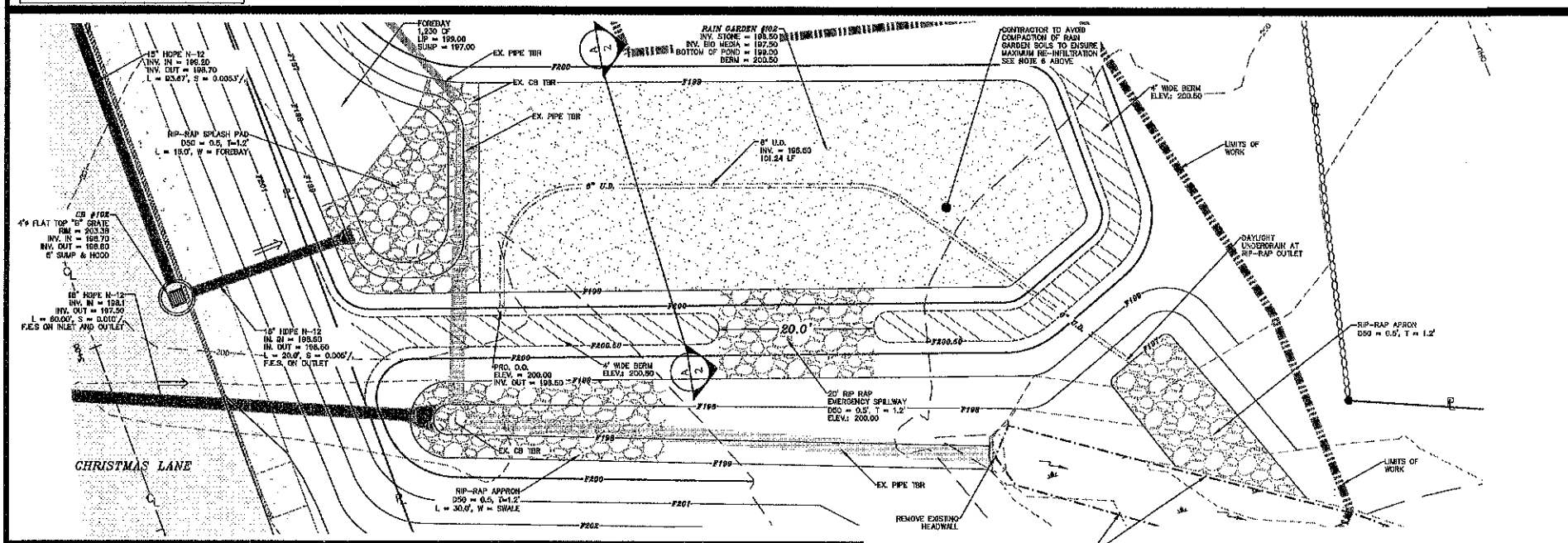
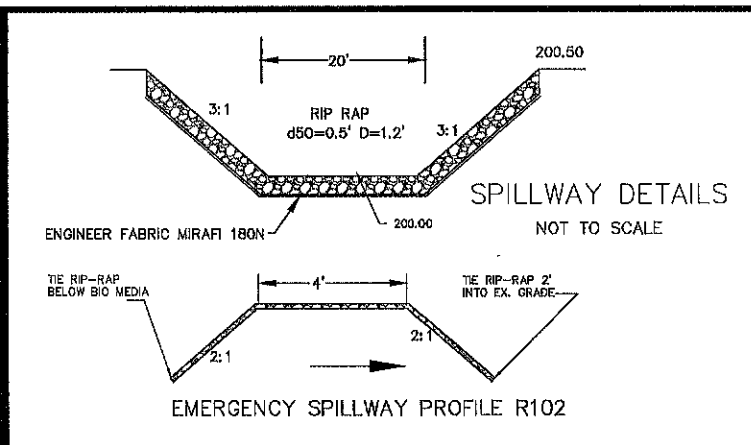
  

CRUSHED STONE BEDDING		CRUSHED STONE BEDDING	
SIEVE SIZE	% PASSING BY WEIGHT	SIEVE SIZE	% PASSING BY WEIGHT
1"	100	1/2"	100
3/4"	90 - 100	3/4"	90 - 100
3/8"	20 - 55	#4"	20 - 55
#4	0 - 10	#8	5 - 30
#8	0 - 5	#16	0 - 10
		#50	0 - 5

- NOTES:**
- 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.
  - SOIL FILTER MEDIA SHALL BE AS SHOWN ABOVE.
  - COMPACTION IS NOT TO OCCUR IN THE RAIN GARDEN AREAS PRIOR TO CONSTRUCTION. SCARIFICATION REQUIRED IN THE EVENT COMPACTION TAKES PLACE.
  - DO NOT PLACE THE BIORETENTION SYSTEM INTO SERVICE UNTIL THE BMP HAS BEEN PLANTED AND ITS CONTRIBUTING AREAS HAVE BEEN FULLY STABILIZED.
  - DO NOT DISCHARGE SEDIMENT-LADEN WATERS FROM CONSTRUCTION ACTIVITIES (RUNOFF WATER FROM EXCAVATIONS) TO THE BIORETENTION AREA DURING ANY STAGE OF CONSTRUCTION.
  - 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.
  - BUILD RAIN GARDENS FIRST TO DIRECT SITE RUN OFF TO THEM.
- MAINTENANCE REQUIREMENTS**
- SYSTEMS SHOULD BE INSPECTED AT LEAST TWICE ANNUALLY, AND FOLLOWING ANY RAINFALL EXCEEDING 0.5 INCHES IN A 24-HOUR PERIOD, WITH MAINTENANCE OR REHABILITATION CONDUCTED AS WARRANTED BY SUCH INSPECTION.
  - PRE-TREATMENT MEASURES SHOULD BE INSPECTED AT LEAST TWICE ANNUALLY, AND CLEANED OF ACCUMULATED SEDIMENT AS WARRANTED BY INSPECTION, BUT NO LESS THAN ONCE ANNUALLY.
  - AT LEAST ONCE ANNUALLY, SYSTEM SHOULD BE INSPECTED FOR DRAINDOWN 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.
  - 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**
- NRH STORMWATER CENTER
  - NEW HAMPSHIRE STORMWATER MANAGEMENT MANUAL, VOLUME 2, DECEMBER 2008 AS AMENDED.



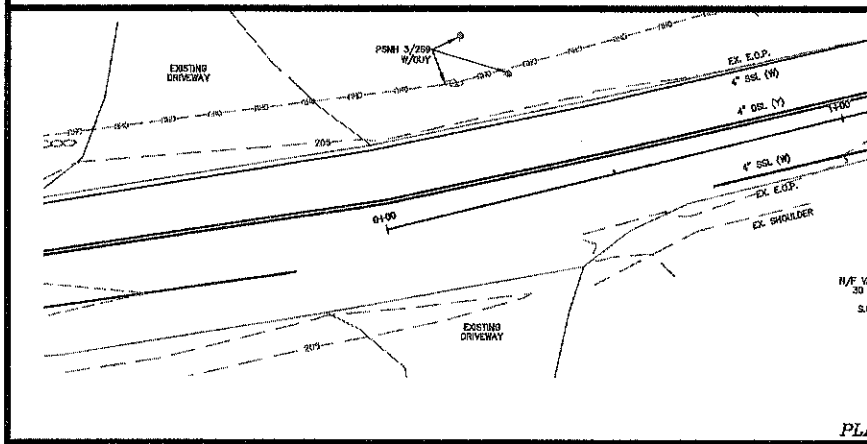
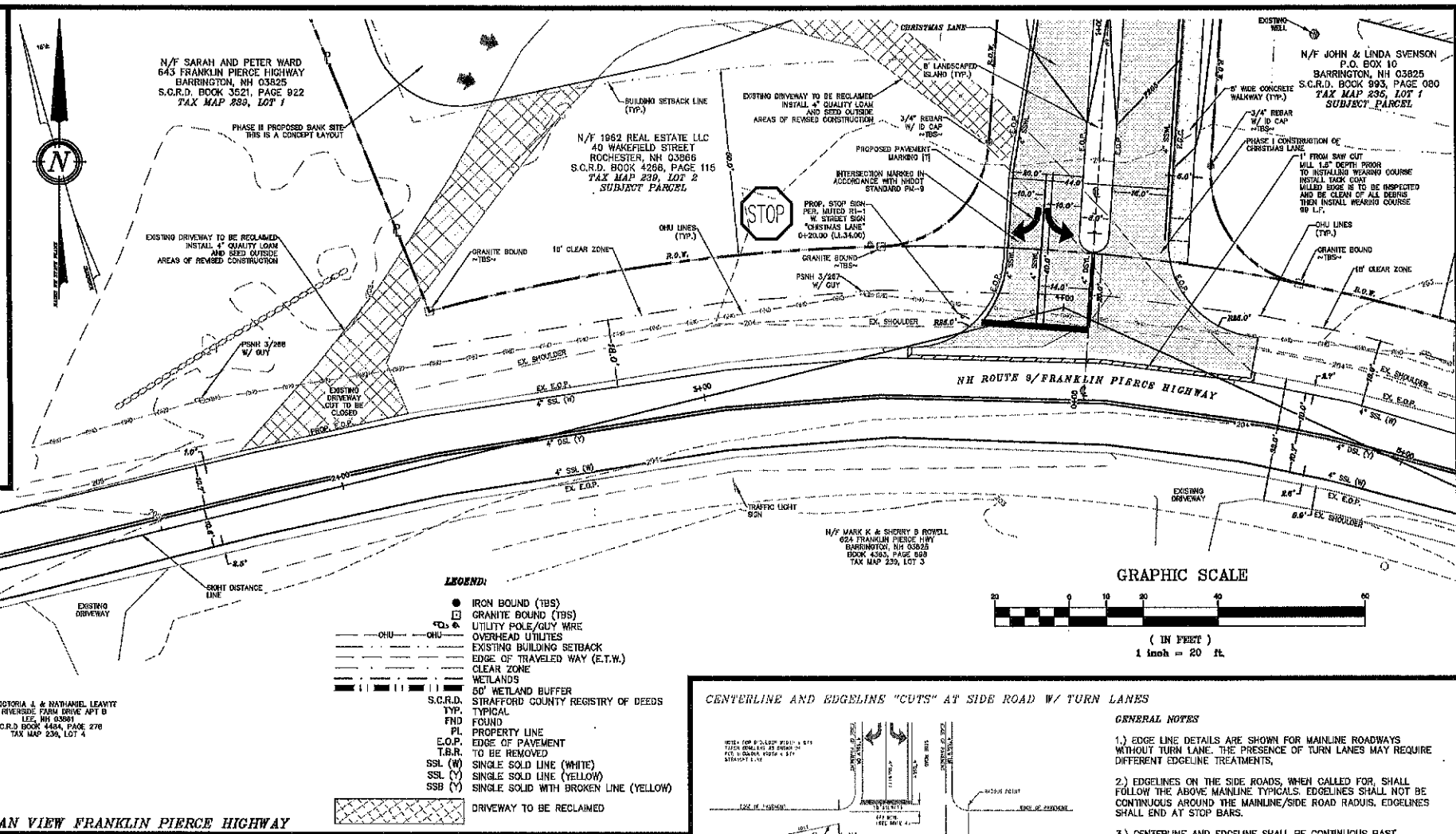
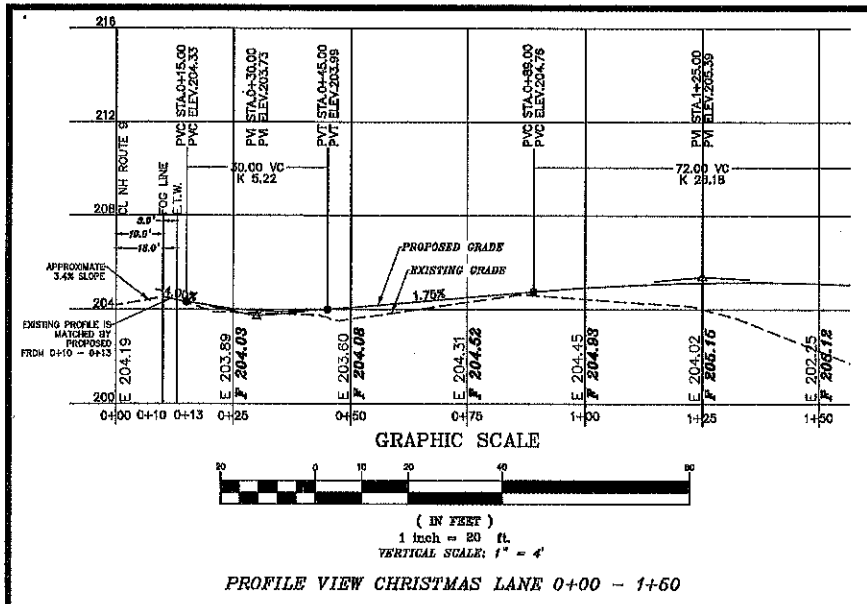
LOW PERMEABILITY MATERIAL GRADATION	
SIEVE SIZE	% PASSING BY WEIGHT
#4	95 - 100
#40	60 - 95
#100	40 - 90
#200	25 - 45



PLANNING BOARD  
BARRINGTON, NH  
**- APPROVED -**  
File Number 235-1-TC-18-SR  
Date 11/5/18  
Chairman [Signature]

RAIN GARDEN #102 DETAILS LAND OF 1962 REAL ESTATE LLC & JOHN & LINDA SVENSON FRANKLIN PIERCE HIGHWAY BARRINGTON, NH 03825 TAX MAP 239 LOT 2 & MAP 235 LOT 1.1	
REVISED PER CONDITIONS OF APPROVAL OF 9-18-18 REVISED PER DBK COMMENTS OF 9-5-18	9-26-18 9-6-18
#2	REVISION
#1	DATE
BERRY SURVEYING & ENGINEERING 335 SECOND CROWN POINT ROAD BARRINGTON, NH 03825 (603)332-2863 SCALE: 1 IN. EQUALS 10 FT. DATE: AUGUST 13, 2018 FILE NO.: DB 2018 - 005	

R102

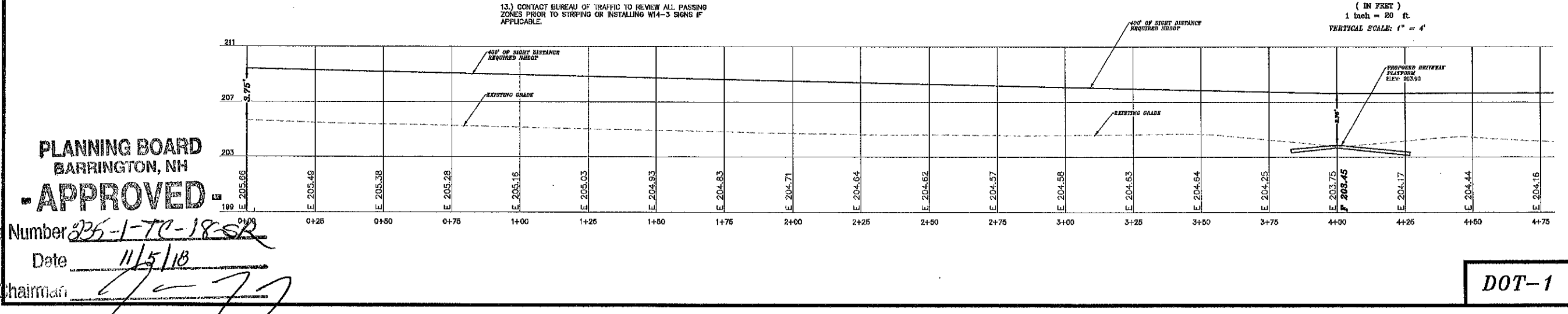
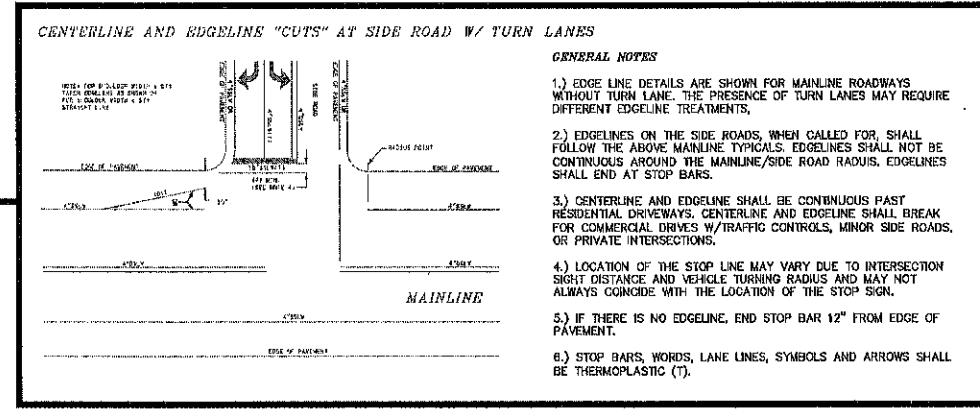


- NOTES:**
- OWNER:
    - 1982 REAL ESTATE LLC  
40 WAKEFIELD STREET  
ROCHESTER, NH 03866
    - JOHN & LINDA SVENSON  
P.O. BOX 10  
BARRINGTON, NH 03866
  - TAX MAP 235, LOT 2
  - TAX MAP 235, LOT 1.1
  - S.C.R.D.
    - BOOK 4288, PAGE 115
    - BOOK 963, PAGE 090

- NOTES CONT.:**
- THIS IS A COMMERCIAL DRIVEWAY.
  - EXISTING CONDITIONS INFORMATION IS BASED ON A SURVEY PERFORMED BY BERRY SURVEYING & ENGINEERING AND IS ENCLOSED IN THIS PACKAGE.
  - THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH NHDOT STANDARD SPECIFICATIONS DATED 2010. CURRENT STANDARD PLANS, SUPPLEMENTAL SPECIFICATIONS AND SPECIAL PROVISIONS INCLUDED IN THE PROPOSAL.
  - CONTRACTOR SHALL TAKE SPECIAL CARE IN NOT DISTURBING EXISTING MONUMENTS BOUNDS, AND OR BENCHMARKS WITHOUT FIRST MAKING PROVISIONS FOR RELOCATION.
  - 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.

- NOTES CONT.:**
- 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).
  - ALL EXISTING SIGNS WITHIN THE PROJECT LIMITS SHALL BE RETAINED UNLESS NOTED OTHERWISE.
  - ALL SYMBOLS, WORDS, TRANSVERSE MARKINGS (STOP BARS, CROSSWALK LINES, AND RAILROAD SYMBOLS), LANE LINES, AND ALL OTHER MARKINGS NOTED WITH (T) SHALL BE THERMOPLASTIC.
  - 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.
  - CONTACT BUREAU OF TRAFFIC TO REVIEW ALL PASSING ZONES PRIOR TO STRIPING OR INSTALLING W14-3 SIGNS IF APPLICABLE.

- NOTES CONT.:**
- THE CONTRACTOR SHALL CONTACT NHDOT BUREAU OF TRAFFIC AT (603) 271-2281 ONE WEEK PRIOR TO PAVEMENT MARKINGS.
  - ALL PAVEMENT MARKINGS TO BE PAINTED TO NHDOT STANDARD NO. PM-9.
  - SEE NHDOT STANDARD PLAN PM-10A FOR WORD AND SYMBOL DETAILS.
  - THE SPEED LIMIT ON NH ROUTE 9 IS 30 MPH. 85TH PERCENTILE IS ASSUMED TO BE 35 MPH.
  - WORK WITHIN NHDOT R.O.W. WILL REQUIRE PROFESSIONAL FLAGGING SERVICES AND POLICE SUPERVISION.
  - DESIGN ENGINEER TO PROVIDE INSPECTION & OVERSIGHT OF ALL WORK WITHIN R.O.W.



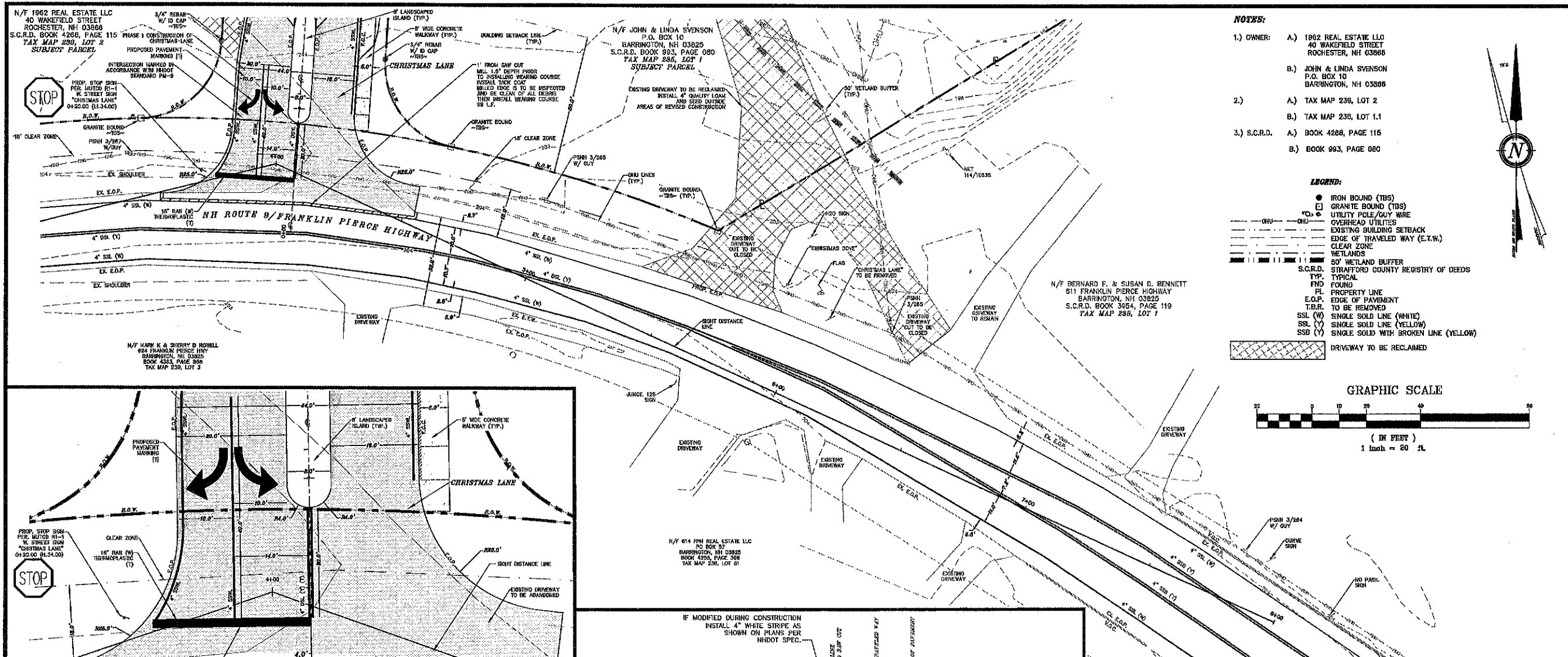
REVISION	DATE	DESCRIPTION
#1	9-26-18	REVISED PER CONDITIONS OF APPROVAL OF 9-18-18
#2	9-6-18	REVISED PER DBK COMMENTS OF 9-6-18

SIGHT DISTANCE PROFILE WESTBOUND  
LAND OF  
1982 REAL ESTATE LLC &  
JOHN & LINDA SVENSON  
FRANKLIN PIERCE HIGHWAY  
BARRINGTON, NH 03825  
TAX MAP 239 LOT 2 & MAP 235 LOT 1.1

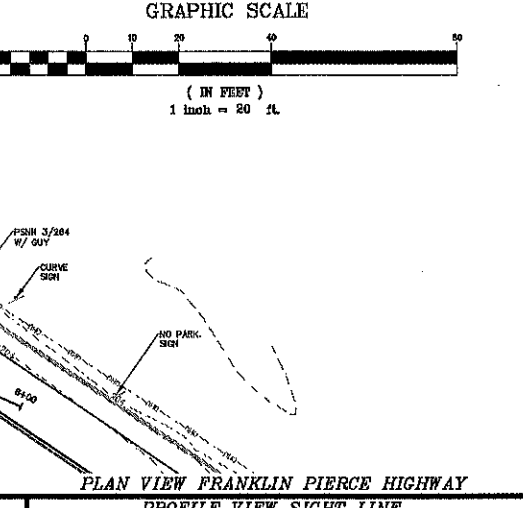
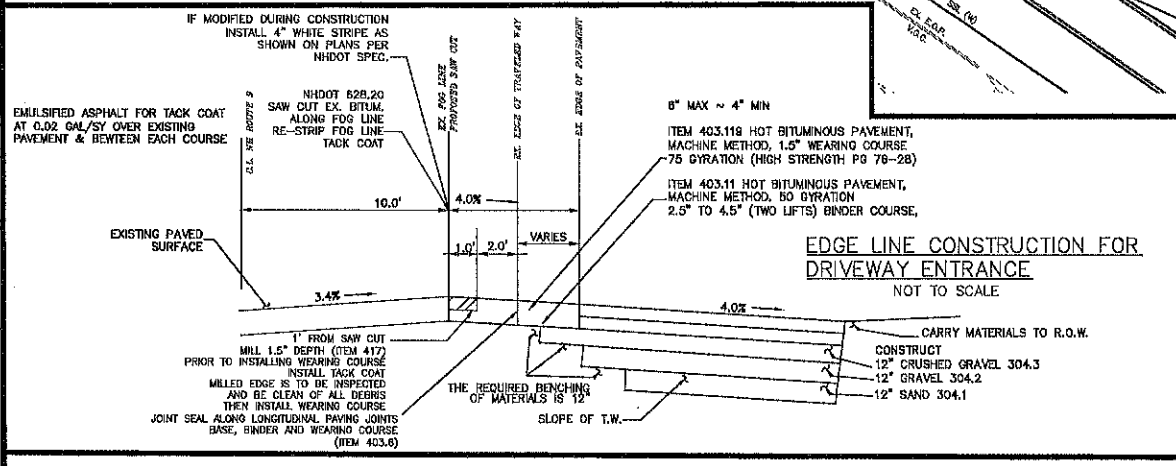
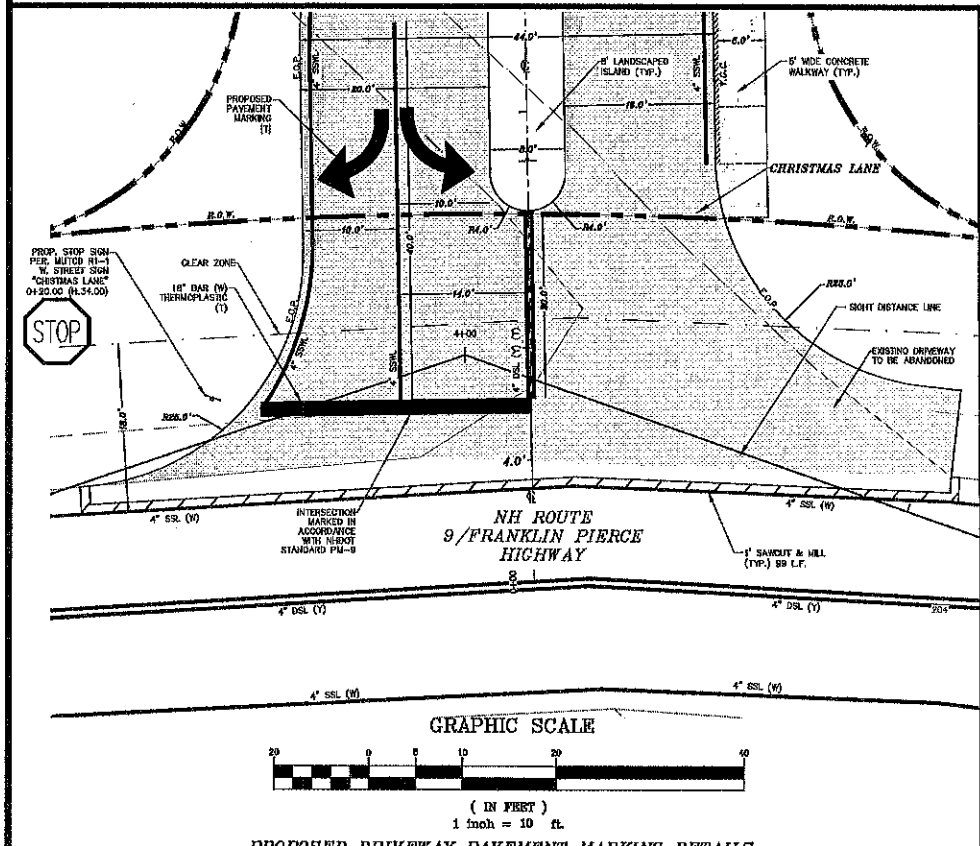
BERRY SURVEYING & ENGINEERING  
335 SECOND CROWN POINT ROAD  
BARRINGTON, NH 03825 (603)332-2863  
SCALE : 1 IN. EQUALS 20 FT.  
DATE : AUGUST 13, 2018  
FILE NO. : DB 2018 - 005

STATE OF NEW HAMPSHIRE  
KENNETH A. BERRY  
REGISTERED PROFESSIONAL ENGINEER

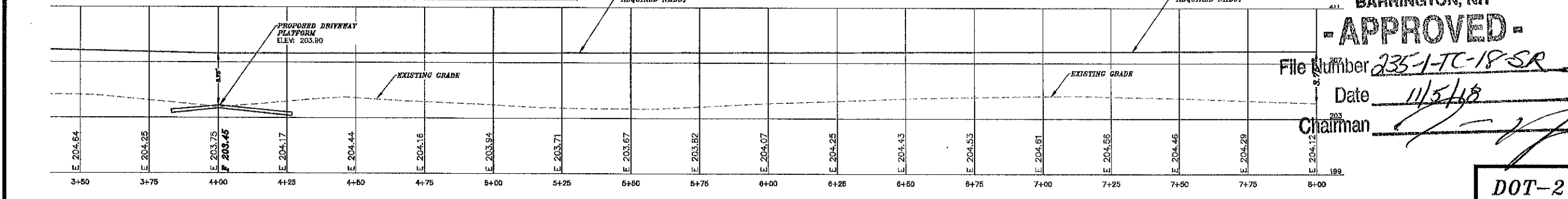
DOT-1  
SHEET 12 OF 19



- NOTES:**
- OWNER:
    - 1962 REAL ESTATE LLC  
40 WAKEFIELD STREET  
ROCHESTER, NH 03866
    - JOHN & LINDA SVENSON  
P.O. BOX 10  
BARRINGTON, NH 03866
  - TAX MAP 236, LOT 2  
TAX MAP 236, LOT 1.1
  - S.C.R.D.
    - BOOK 4288, PAGE 115
    - BOOK 993, PAGE 080
- LEGEND:**
- IRON BOUND (TBS)
  - GRANITE BOUND (TBS)
  - UTILITY POLE/GUY WIRE
  - OVERHEAD UTILITIES
  - EXISTING BUILDING SETBACK
  - EDGE OF TRAVELED WAY (E.T.W.)
  - CLEAR ZONE
  - WETLANDS
  - 50' WETLAND BUFFER
  - STRAFFORD COUNTY REGISTRY OF DEEDS
  - S.C.R.D.
  - TYP.
  - FOUND
  - FL PROPERTY LINE
  - E.O.P. EDGE OF PAVEMENT
  - T.B.R. TO BE REMOVED
  - SSL (W) SINGLE SOLID LINE (WHITE)
  - SSL (Y) SINGLE SOLID LINE (YELLOW)
  - SSB (Y) SINGLE SOLID WITH BROKEN LINE (YELLOW)
  - DRIVEWAY TO BE RECLAIMED



**CLEAR ZONE CALCULATION:**  
 DESIGN SPEED: 30 MPH / 65TH ASSUMED 35 MPH  
 DESIGN ADT (2016): OVER 6,000 (6,208)  
 FROM AASHTO ROADSIDE DESIGN GUIDE (2002) TABLE 3.1 PAGE 3-6  
 CLEAR ZONE REQUIRED TO BE 19-18 FEET, THE MORE CONSERVATIVE VALUE OF 19 FEET HAS BEEN SELECTED.



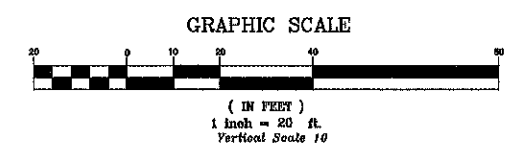
REVISION	DATE	DESCRIPTION
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2	9-6-18	REVISED PER DBK COMMENTS OF 9-5-18

SIGHT DISTANCE PROFILE EASTBOUND  
 LAND OF  
 1962 REAL ESTATE LLC &  
 JOHN & LINDA SVENSON  
 FRANKLIN PIERCE HIGHWAY  
 BARRINGTON, NH 03825  
 TAX MAP 236 LOT 2 & MAP 236 LOT 1.1

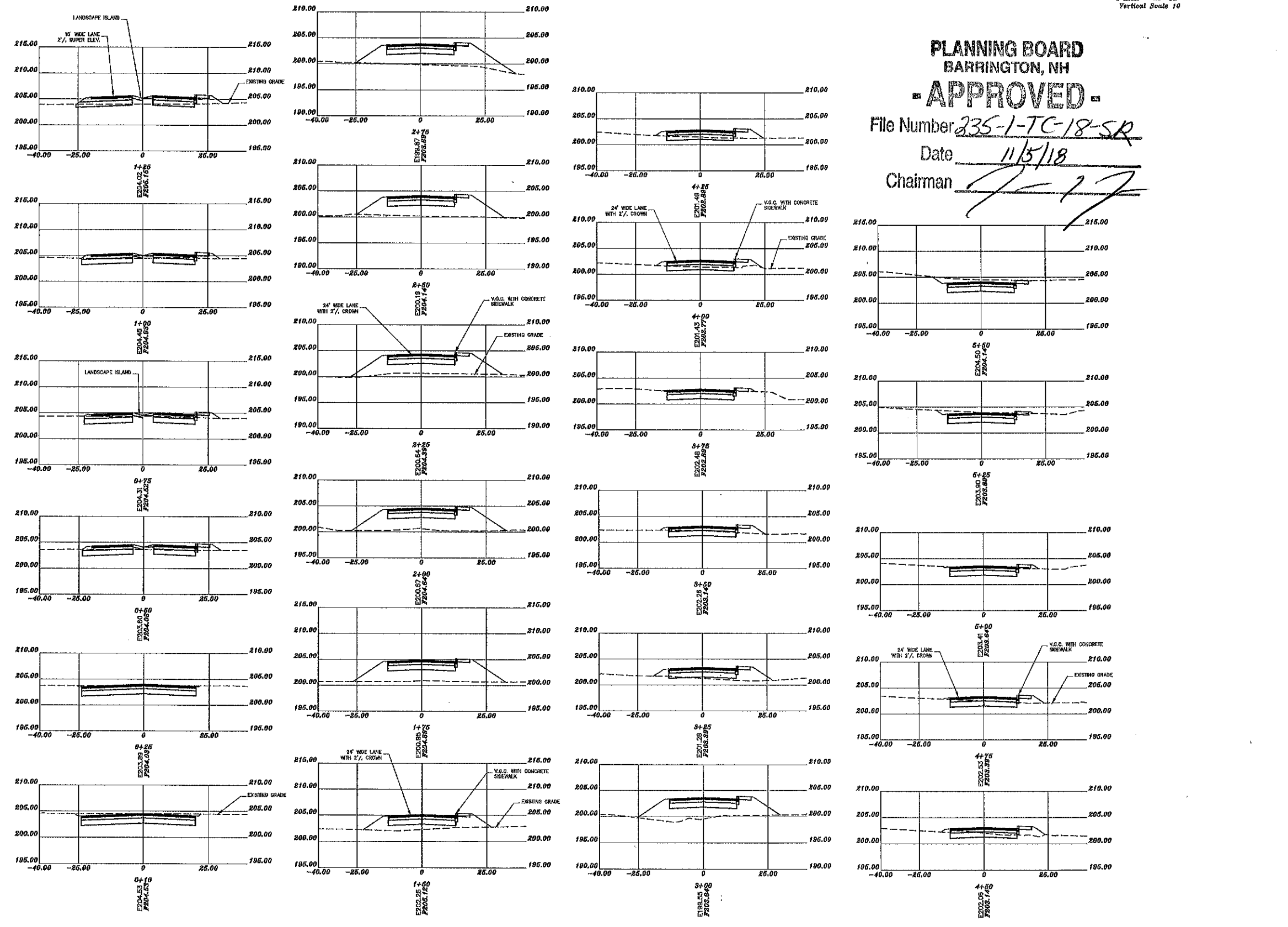
**BERRY SURVEYING & ENGINEERING**  
 335 SECOND CROWN POINT ROAD  
 BARRINGTON, NH 03825 (603)332-2863  
 SCALE: 1 IN. EQUALS 20 FT.  
 DATE: AUGUST 13, 2018  
 FILE NO.: DB 2018 - 005

**PLANNING BOARD**  
**BARRINGTON, NH**  
**APPROVED**  
 File Number 235-1-TC-18-SR  
 Date 11/5/18  
 Chairman [Signature]

**STATE OF NEW HAMPSHIRE**  
**KENNETH A. BERRY**  
 REGISTERED PROFESSIONAL ENGINEER



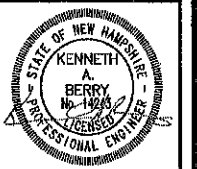
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 BARRINGTON, NH  
**APPROVED**  
 File Number 235-1-TC-18-SR  
 Date 11/5/18  
 Chairman [Signature]

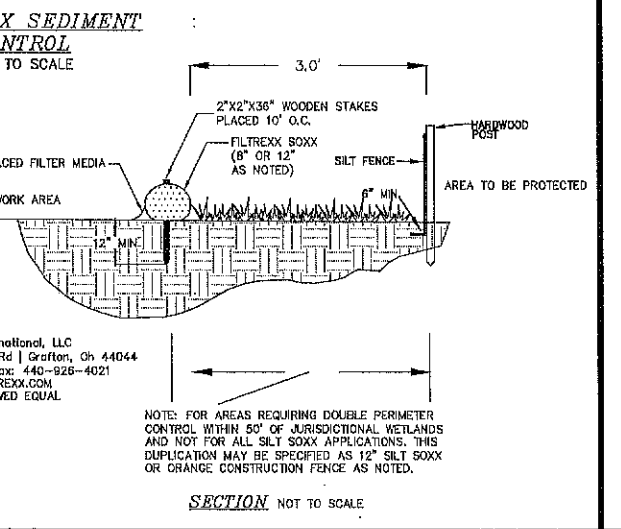
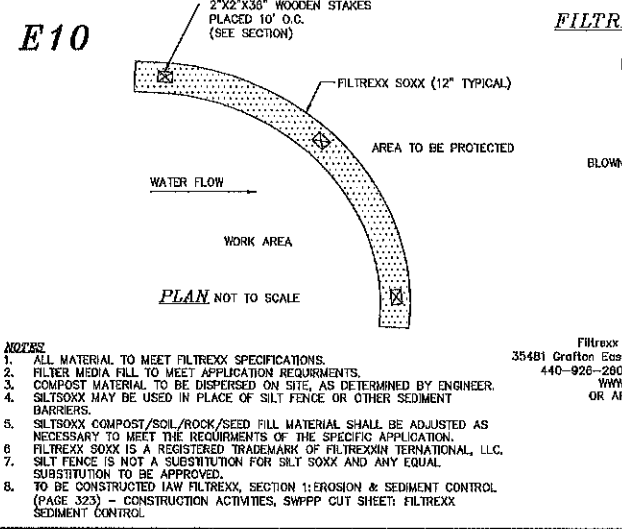
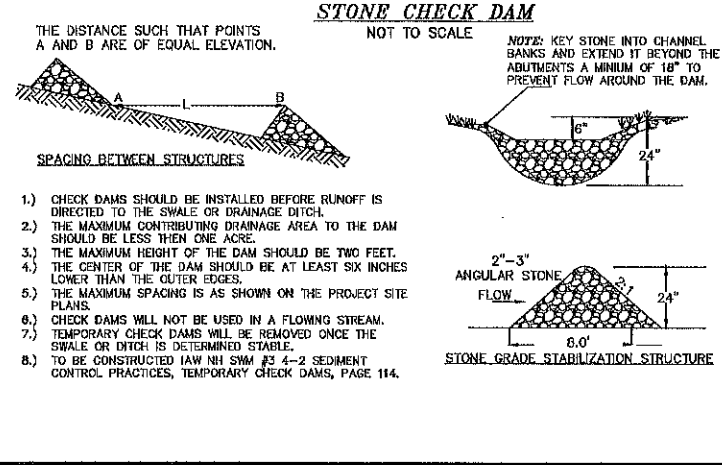
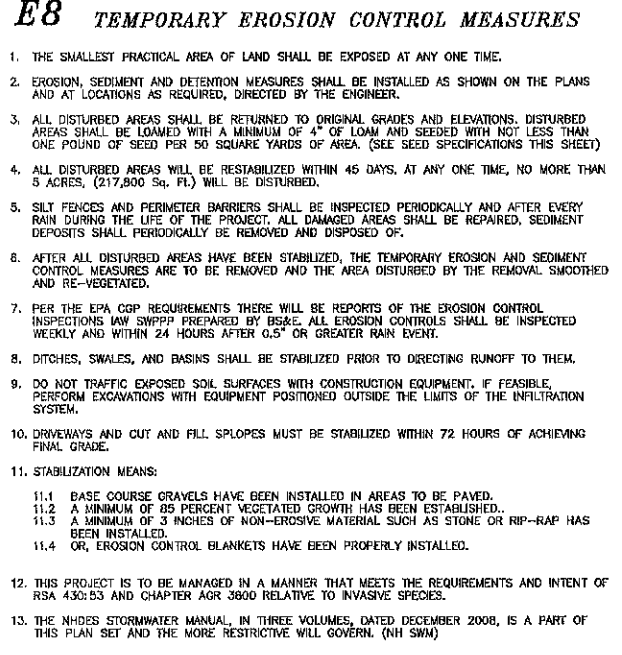
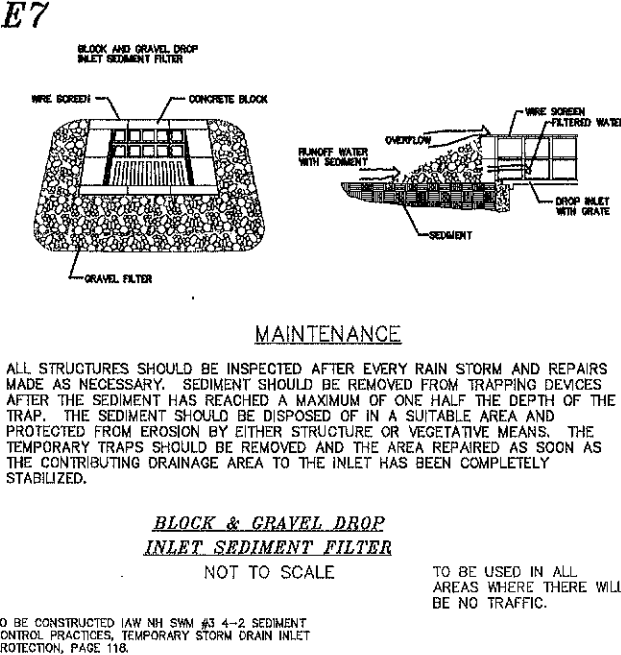
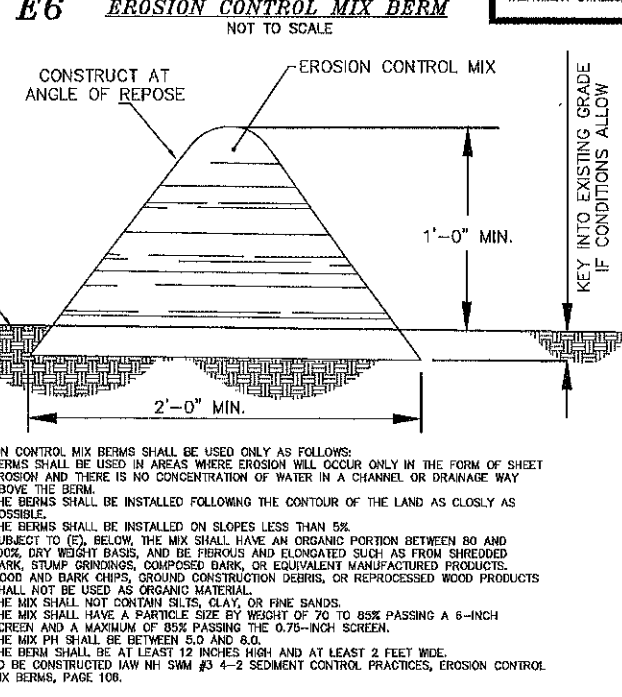
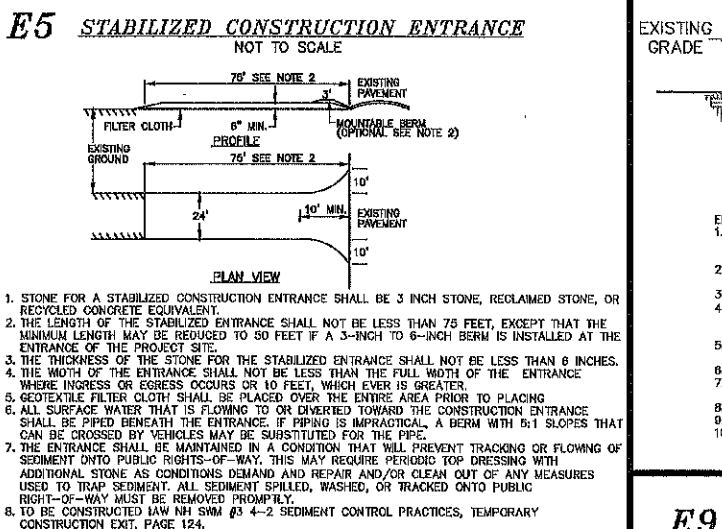
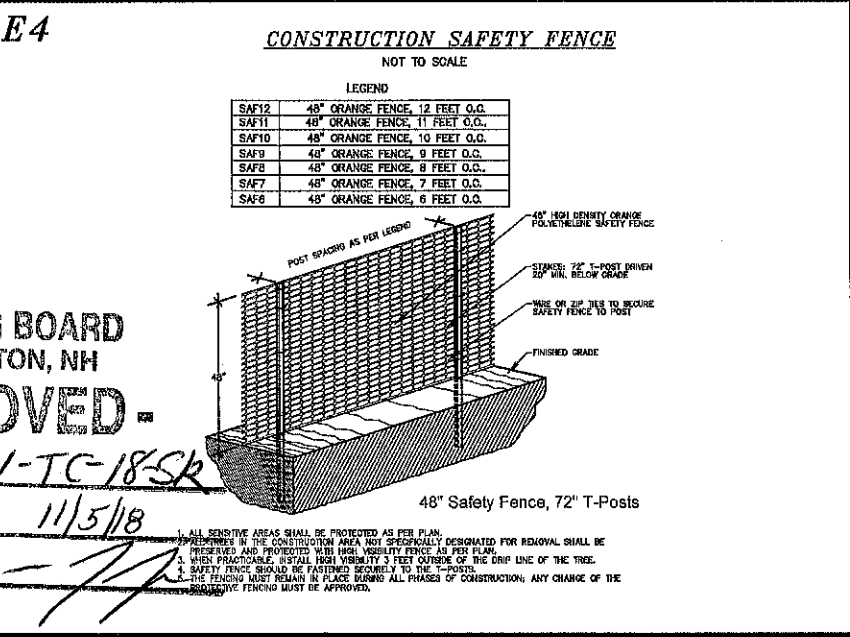
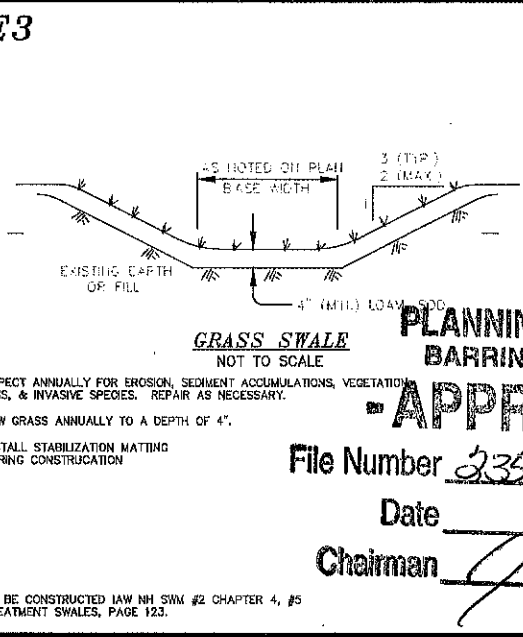
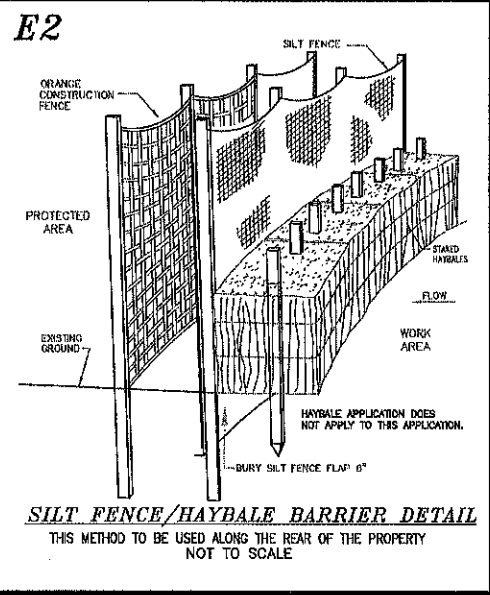
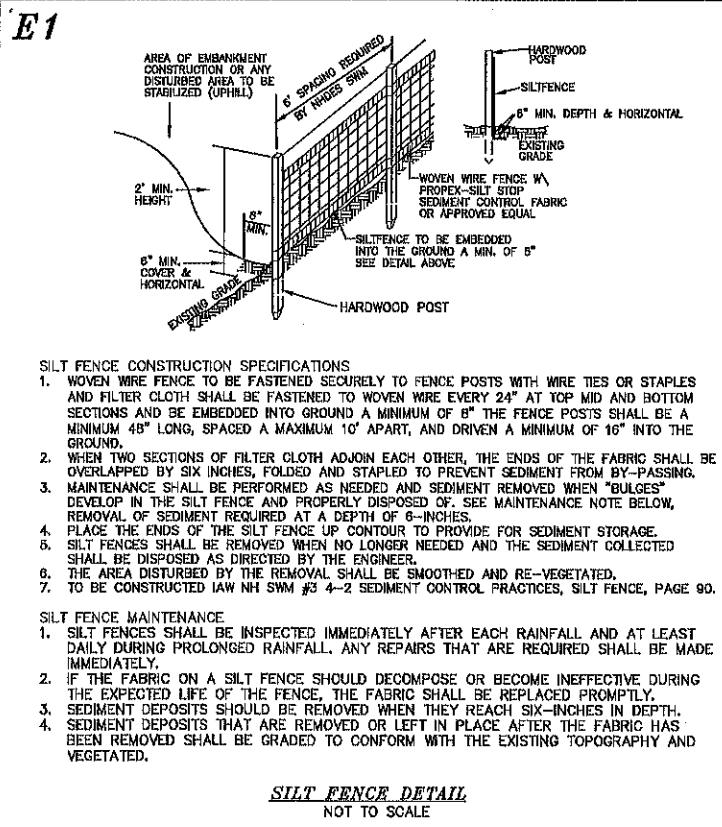


REVISION	DATE	DESCRIPTION
#2	9-26-18	REVISED PER CONDITIONS OF APPROVAL OF 9-18-18
#1	9-6-18	REVISED PER DBK COMMENTS OF 9-5-18

CROSS SECTIONS 0+00 - END  
 LAND OF  
 1962 REAL ESTATE LLC &  
 JOHN & LINDA SVENSON  
 FRANKLIN PIERCE HIGHWAY  
 BARRINGTON, NH 03825  
 TAX MAP 235 LOT 2 & MAP 235 LOT 1.1

BERRY SURVEYING & ENGINEERING  
 335 SECOND CROWN POINT ROAD  
 BARRINGTON, NH 03825 (603) 332-2863  
 SCALE: 1 IN. EQUALS 20 FT.  
 DATE: AUGUST 13, 2018  
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**PLANNING BOARD**  
BARRINGTON, NH  
**APPROVED**

File Number 235-1-TC-18SR

Date 11/5/18

Chairman [Signature]

EROSION & SEDIMENT CONTROL DETAILS

1962 REAL ESTATE LLC & JOHN & LINDA SVENSON FRANKLIN PIERCE HIGHWAY BARRINGTON, NH 03825

TAX MAP 289 LOT 2 & MAP 285 LOT 1.1

BERRY SURVEYING & ENGINEERING  
335 SECOND CROWN POINT ROAD  
BARRINGTON, NH 03825 (603)332-2863

AS NOTED

DATE: AUGUST 13, 2018

FILE NO.: DB 2018 - 005

STATE OF NEW HAMPSHIRE  
KENNETH A. BERRY  
REGISTERED PROFESSIONAL ENGINEER

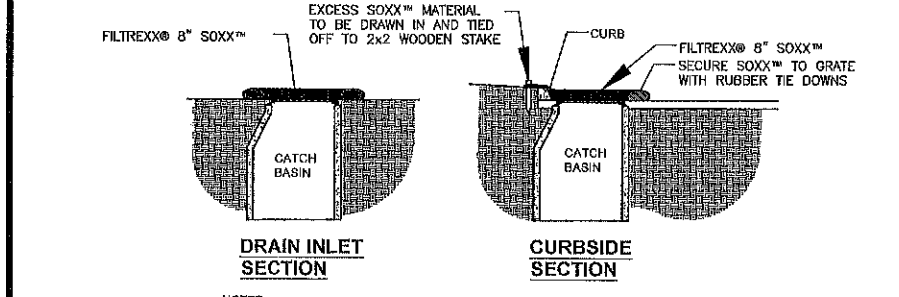
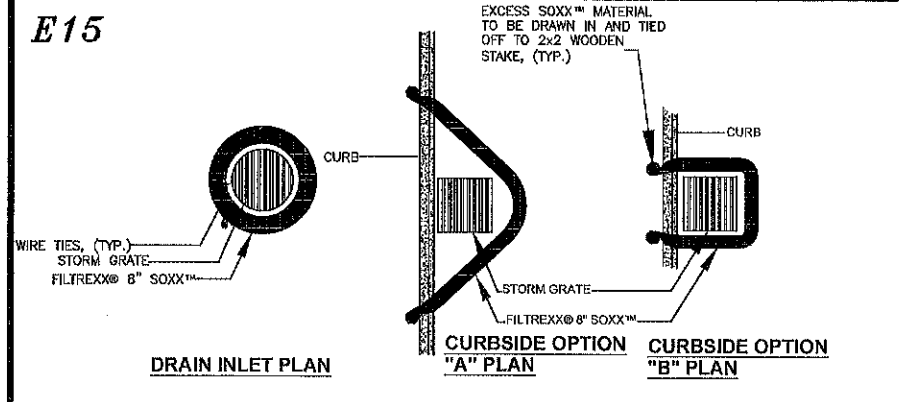
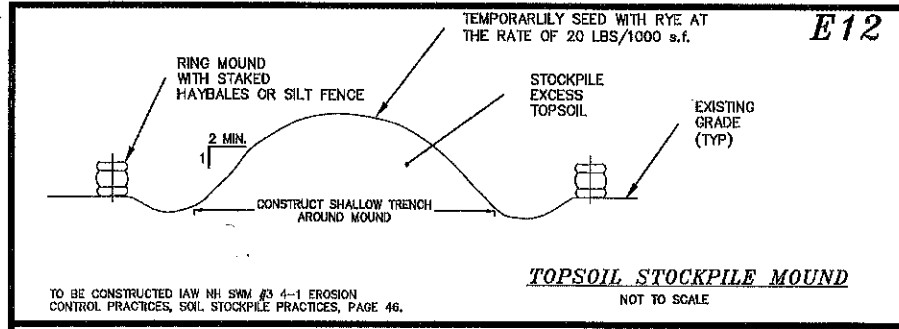
REVISION PER CONDITIONS OF APPROVAL OF 9-18-18  
REVISED PER DBK COMMENTS OF 9-5-18

NO.	DATE	REVISION	DESCRIPTION
1	9-26-18	9-6-18	

E-101

SHEET 15 OF 19





**NOTES:**

1. ALL MATERIAL TO MEET FILTREXX® SPECIFICATIONS.
2. FILTER MEDIA™ FILL TO MEET APPLICATION. REFER TO THE FILTREXX® MANUAL FOR DETAILED INFORMATION.
3. COMPOST MATERIAL TO BE DISPOSED AS DETERMINED BY ENGINEER.

**FILTREXX INLET PROTECTION**

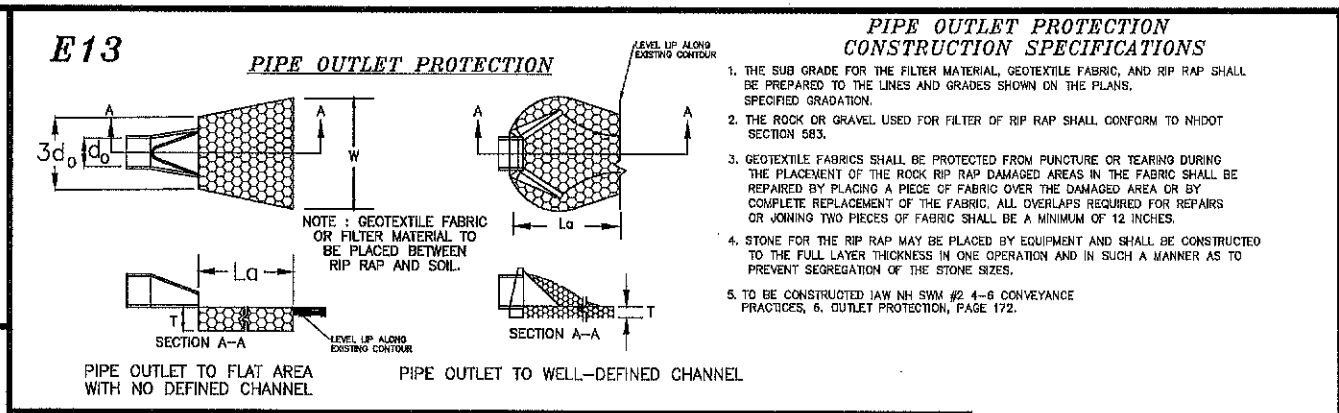
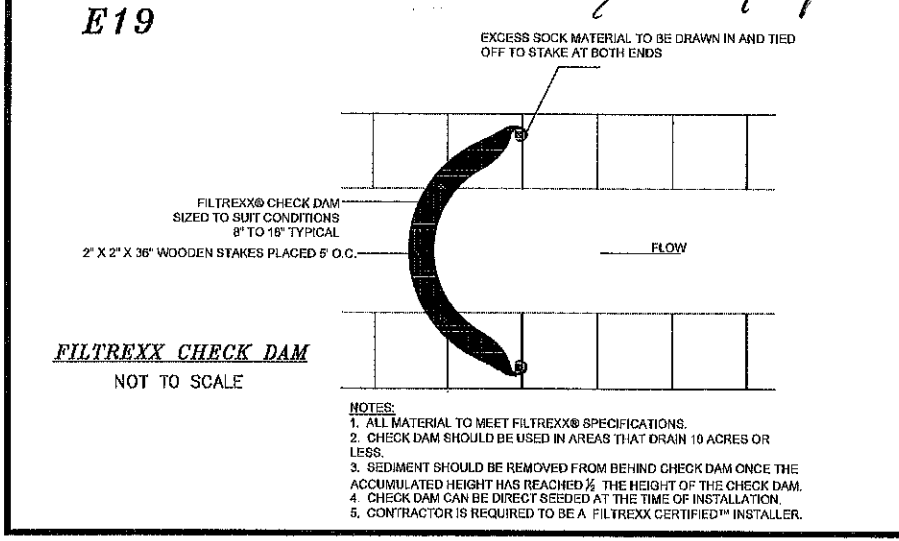
NOT TO SCALE

**APPROVED**

File Number 235-1-77-18-SR

Date 11/5/18

Chairman [Signature]



**E16**

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 RATES**

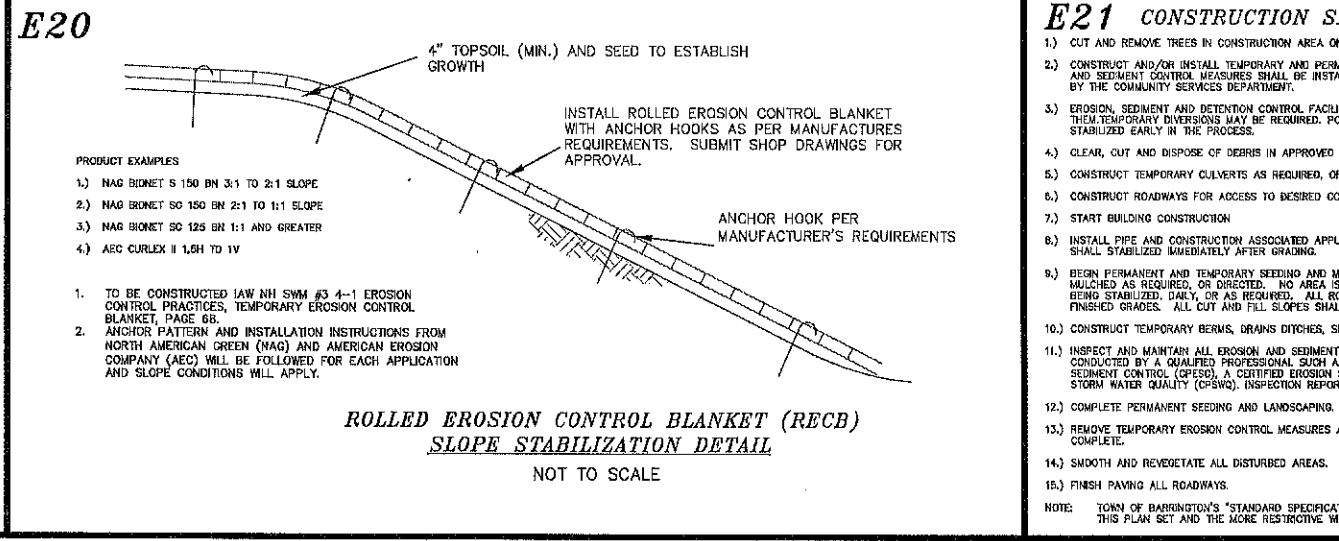
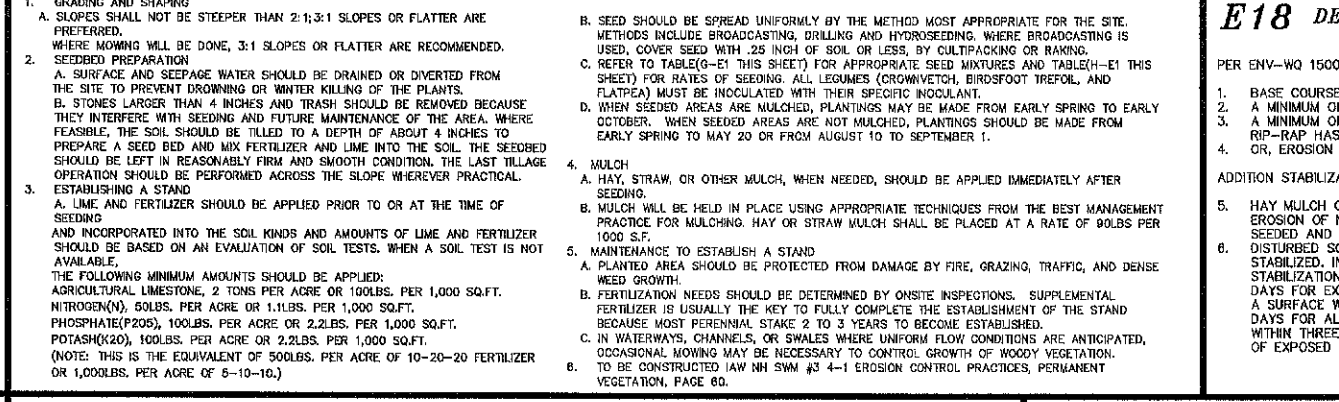
MATERIAL	POUNDS PER 1,000 S.F.	POUNDS PER ACRE
A. TALL FESCUE (35%)	75	1.75
B. TALL FESCUE (25%)	55	1.25
C. ANNUAL RYEGRASS (12%)	33	0.75
D. PERENNIAL RYEGRASS (10%)	22	0.50
E. KENTUCKY BLUEGRASS (10%)	22	0.50
F. WHITE CLOVER (3%)	7	0.15

**SEEDING GUIDE**

USE	SOIL TYPE	SEEDING METHOD	SEEDING RATE (POUNDS PER 1,000 S.F.)
SHEEP CUTS AND FILL SLOPES AND DETOUR AREAS	A	POUR	1.00
	B	POUR	0.50
WATERWAYS, EMERGENCY CHANNELS WITH CHANNELS WITH FLOWING WATER	A	POUR	1.00
	B	POUR	0.50
HEAVILY USED PARKING LOTS, ROAD AREAS, DRIVEWAYS, DRIVEWAYS, LOW INTENSITY USE RECREATION AREAS	A	POUR	0.50
	B	POUR	0.25
PLAY AREAS AND ATHLETIC FIELDS	A	POUR	0.50
	B	POUR	0.25

**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.)
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 WOOD 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.



**E14**

TABLE 7-24--RECOMMENDED RIP RAP GRADATION RANGES

DESIGN SIZE	0.5 FEET	6 INCHES
% OF WEIGHT SMALLER THAN THE GIVEN DESIGN SIZE	SIZE OF STONE (INCHES) FROM	TO
100%	9	12
85%	8	11
50%	6	9
15%	2	3

REVISION DATE DESCRIPTION

9-28-18 9-6-18

**E17 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" (EXCEPTOR'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 NOVEMBER 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 NOV. 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 16-26% PASSING THE #20 SIEVE AND THE LARGEST STONE SIZE SHALL BE 2". IF THE SITE IS ACTIVE AFTER NOVEMBER 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 SEED 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.

**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.

ADDITIONAL 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 SEEDING 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.

**BERRY SURVEYING & ENGINEERING**

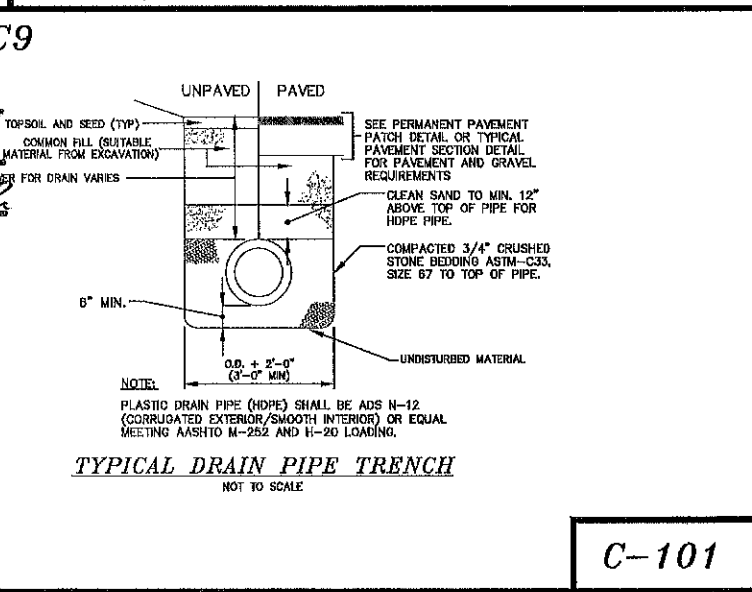
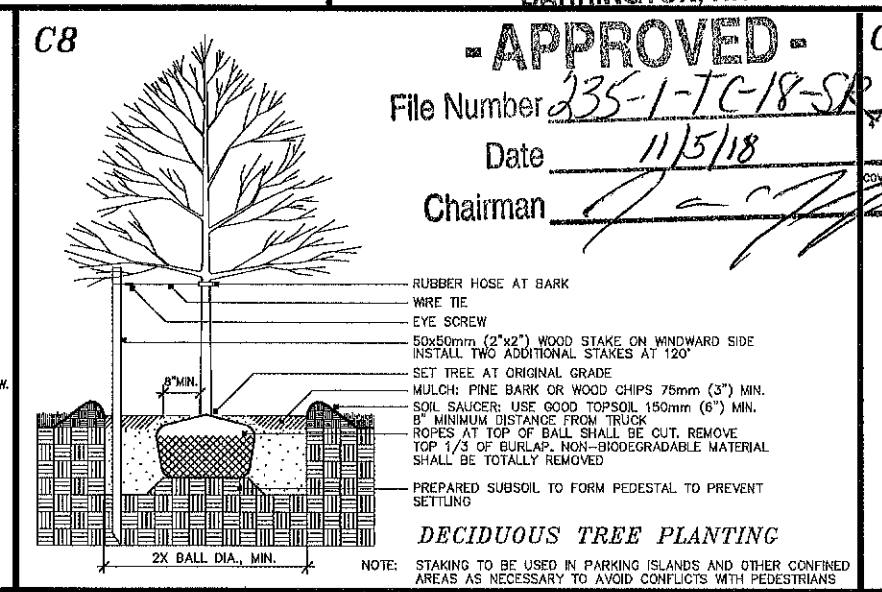
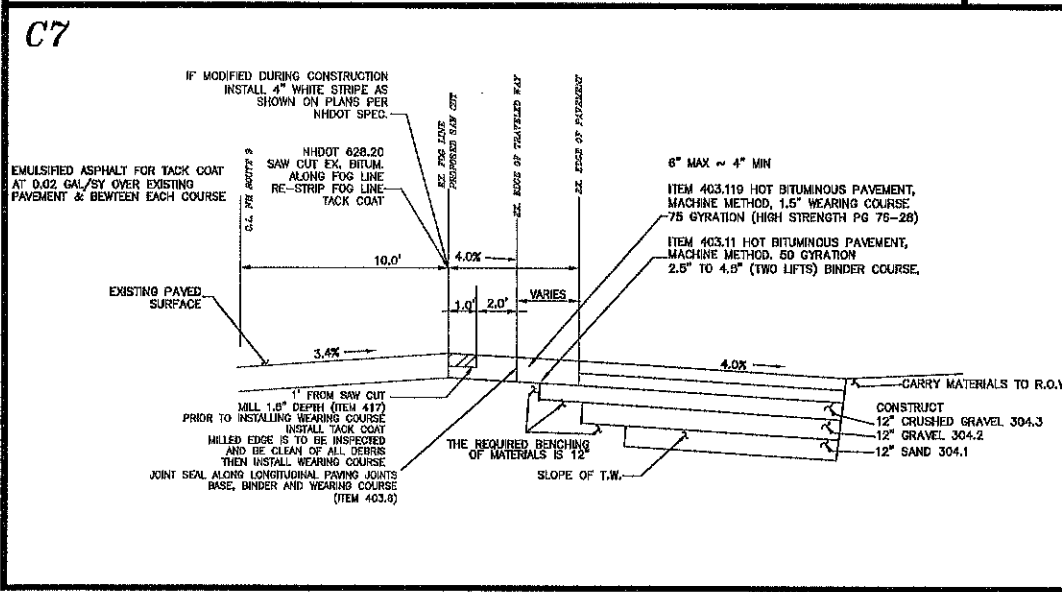
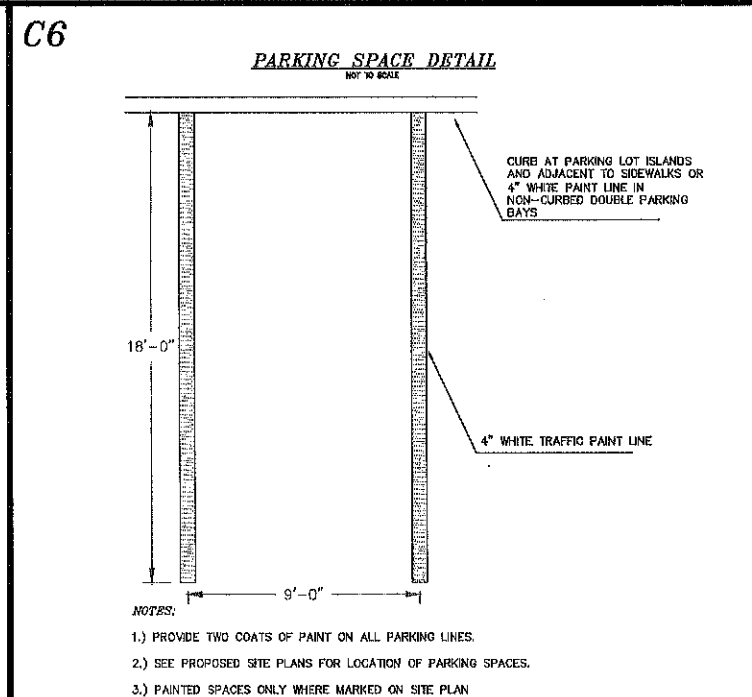
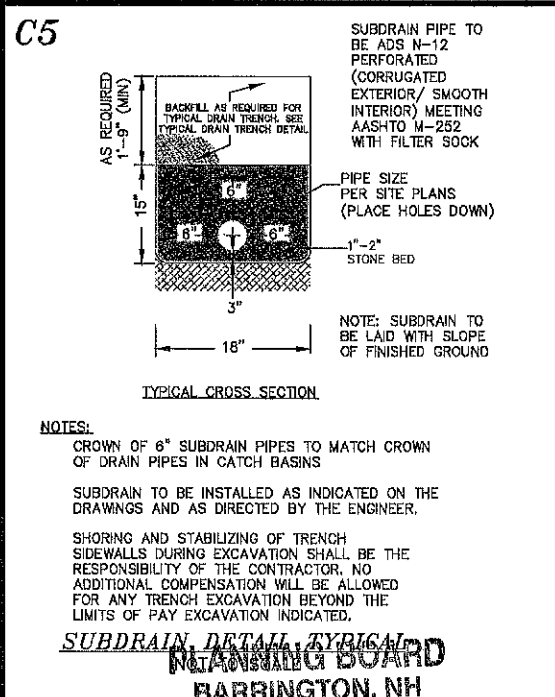
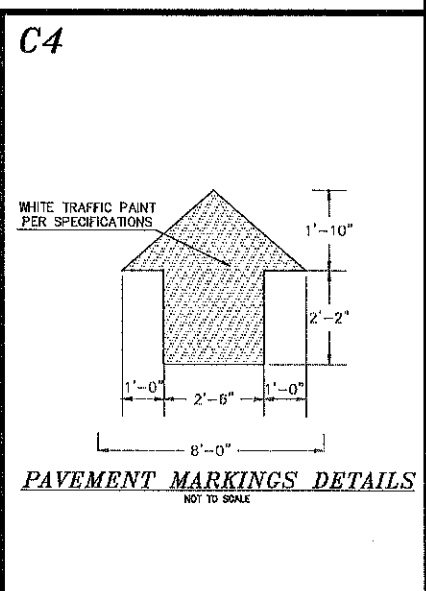
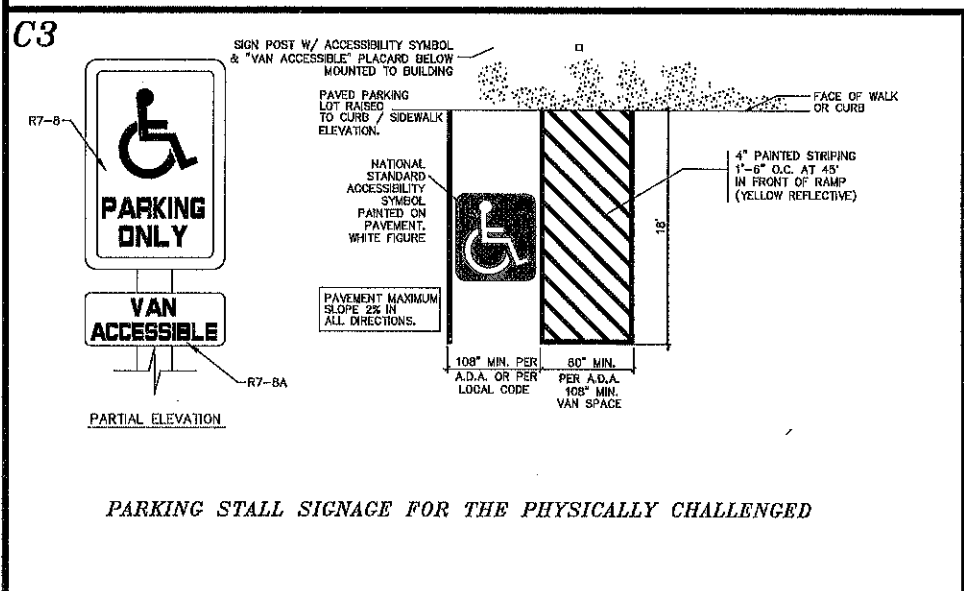
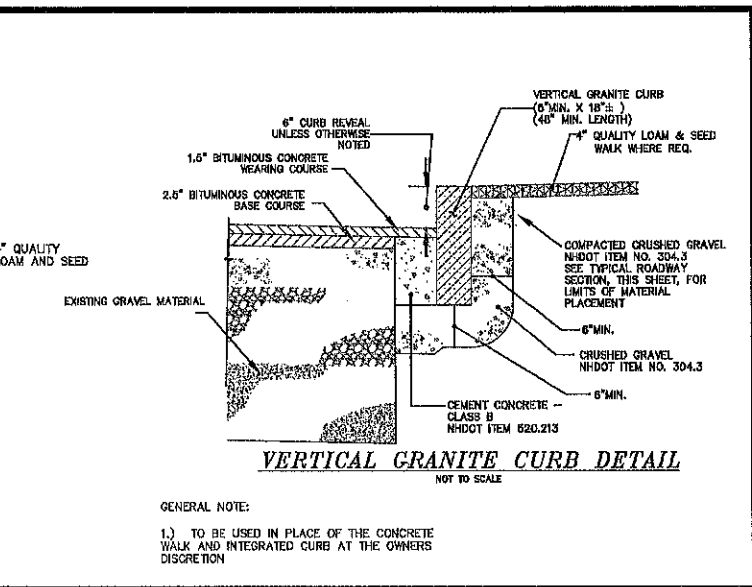
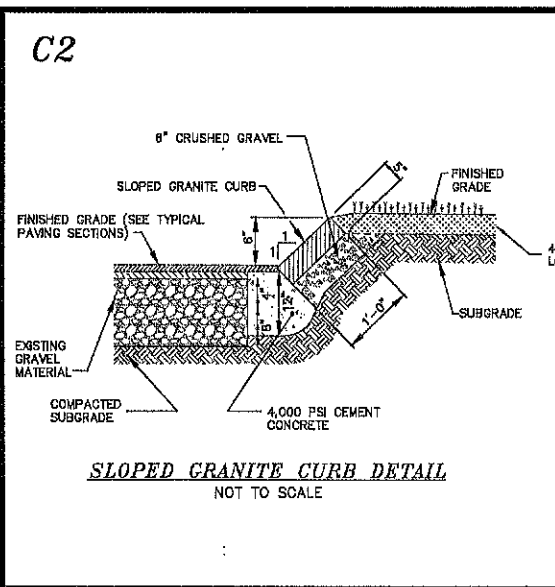
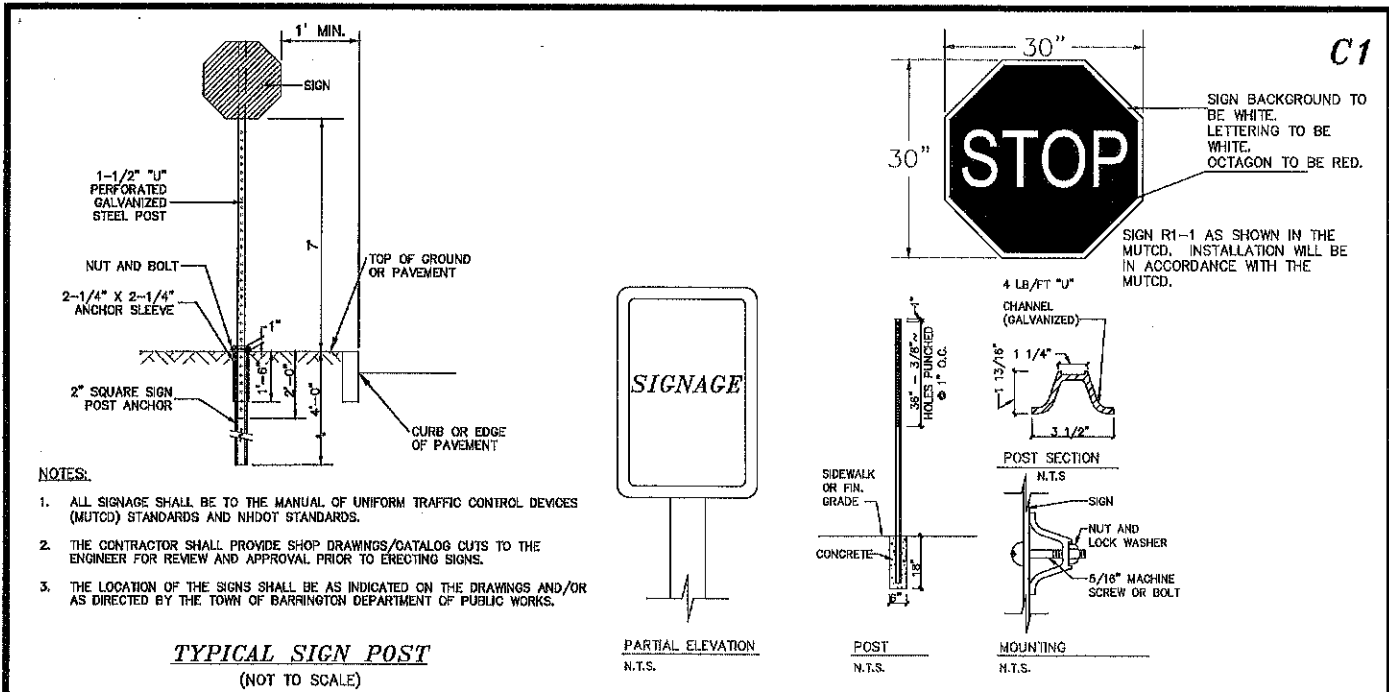
335 SECOND CROWN POINT ROAD  
BARRINGTON, NH 03625 (603)532-2863

AS NOTED  
DATE: AUGUST 13, 2018  
FILE NO.: DB 2018 - 005

**E-102**

SHEET 16 OF 19

STATE OF NEW HAMPSHIRE  
KENNETH A. BERRY  
REGISTERED PROFESSIONAL ENGINEER



REVISION	DATE	DESCRIPTION
#1	9-26-18 9-6-18	REVISED PER CONDITIONS OF APPROVAL OF 9-18-18 REVISED PER DBK COMMENTS OF 9-5-18

CONSTRUCTION DETAILS LAND OF 1962 REAL ESTATE LLC & JOHN & LINDA SVENSON FRANKLIN PIERCE HIGHWAY BARRINGTON, NH 03825 TAX MAP 239 LOT 2 & MAP 235 LOT 1.1
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BERRY SURVEYING & ENGINEERING 335 SECOND CROWN POINT ROAD BARRINGTON, NH 03825 (603)552-2863 AS NOTED
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STATE OF NEW HAMPSHIRE KENNETH A. BERRY No. 1744 LICENSED PROFESSIONAL ENGINEER
--

DATE: AUGUST 13, 2018	FILE NO.: DB 2018 - 005
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**C-101**

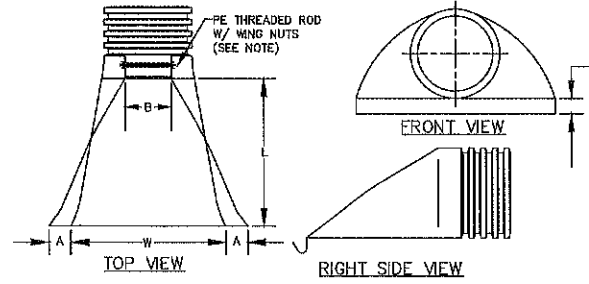
SHEET 17 OF 19

**C10**

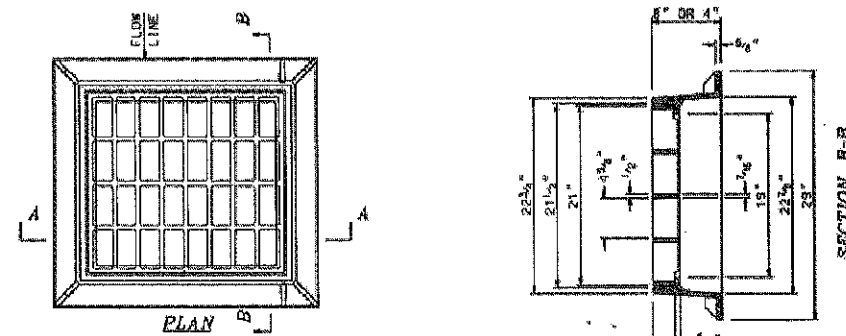
PART No.	PIPE SIZE	A	B(MAX)	H	L	W
1510-NP	15" 375 mm	6.5" 165 mm	10" 254 mm	6.5" 165 mm	25" 635 mm	29" 735 mm
1810-NP	18" 450 mm	7.5" 190 mm	15" 380 mm	6.5" 165 mm	32" 812 mm	35" 890 mm
2410-NP	24" 600 mm	7.5" 190 mm	18" 450 mm	6.5" 165 mm	36" 900 mm	45" 1140 mm
3010-NP	30" 750 mm	10.5" 266 mm	N/A	7.0"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



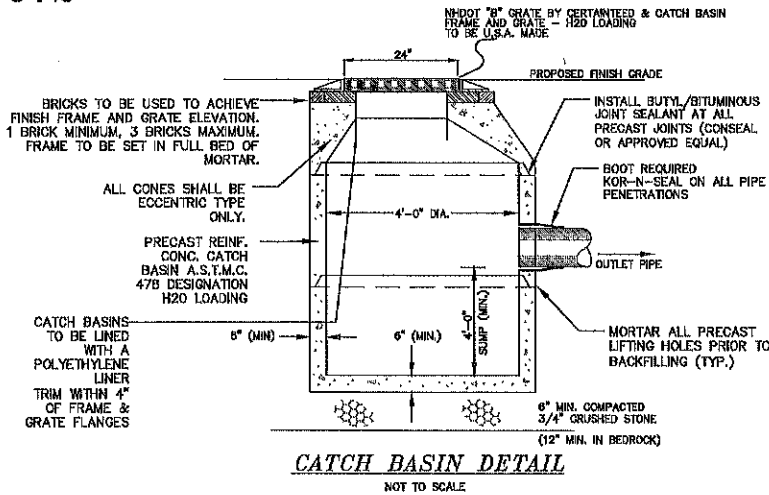
**C11**



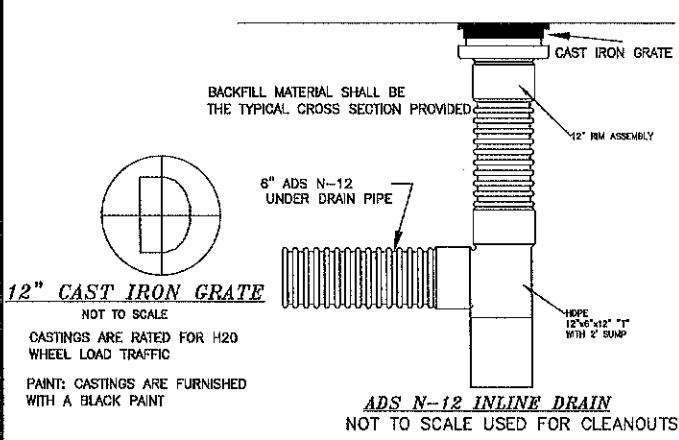
- GENERAL NOTES**
1. ALL DIMENSIONS ARE NOMINAL.
  2. FRAMES USING NARROWER DIMENSIONS FOR THICKNESS ARE ALLOWED PROVIDED:
    - A. THE FRAMES MEET OR EXCEED THE SPECIFIED LOAD RATING.
    - B. THE INTERIOR PERIMETER (SEAT AREA) DIMENSIONS OF THE FRAMES REMAIN THE SAME TO ALLOW CONTINUED USE OF EXISTING GRATES/COVERS AS THE EXISTING FRAMES ALLOW WITHOUT SHIMS OR OTHER MODIFICATIONS OR ACCOMMODATIONS.
    - C. ALL OTHER PERTINENT REQUIREMENTS OF THE SPECIFICATIONS ARE MET.
  3. FRAME AVAILABLE IN 4" OR 8" HEIGHTS.
  4. FREE OPEN AREA = 2.85 S.F.
  5. USE 3-FLANGE FRAME IF INSTALLED ADJACENT TO GRANITE CURB.

REV DATE	PLATE
D6-16-2010	2
08-14-2015	STANBARD OR-1

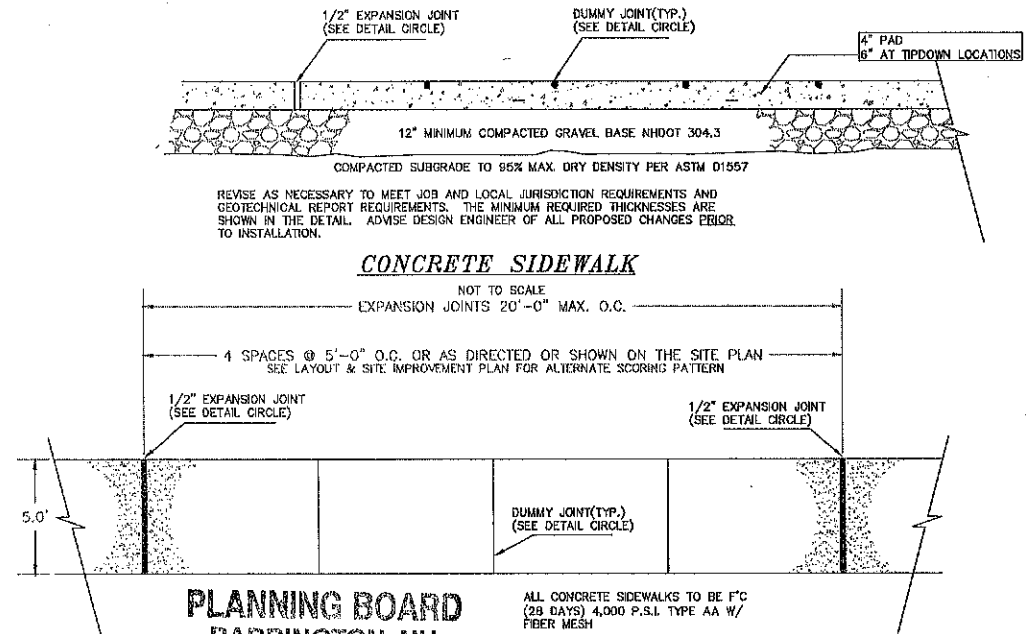
**C12**



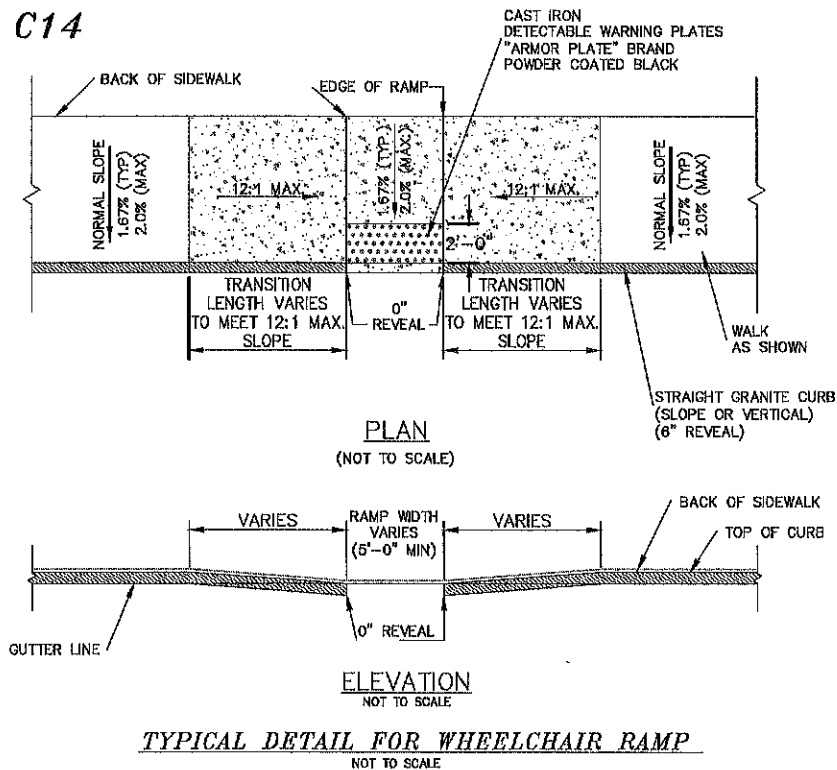
**C13**



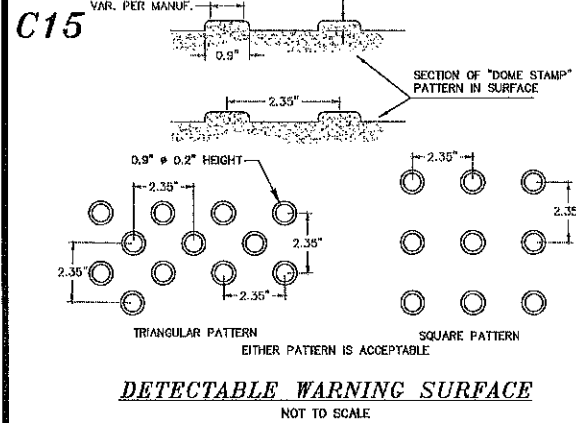
**C17**



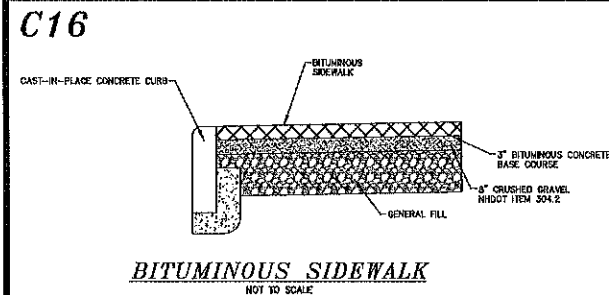
**C14**



**C15**



**C16**



**PLANNING BOARD**  
**BARRINGTON, NH**  
**APPROVED**  
File Number 235-LTC-18-SR  
Date 11/5/18  
Chairman [Signature]

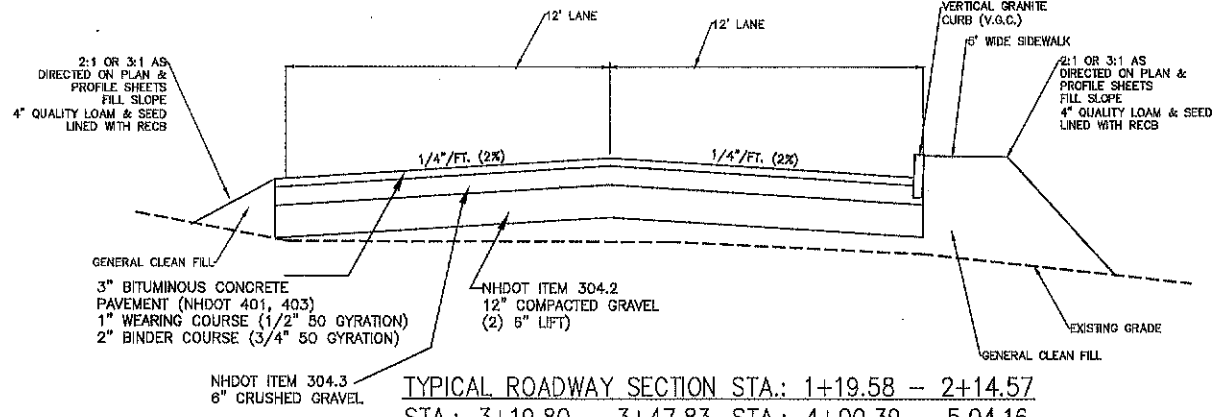
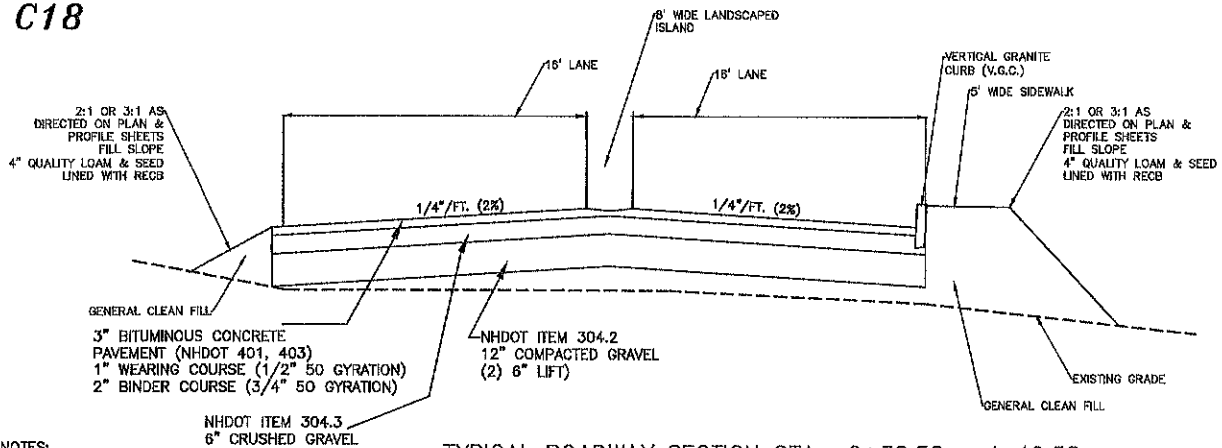
REVISION	DATE	DESCRIPTION
#1	9-26-18 9-6-18	REVISED PER CONDITIONS OF APPROVAL OF 9-18-18 REVISED PER DEK COMMENTS OF 9-5-18

CONSTRUCTION DETAILS  
LAND OF  
1962 REAL ESTATE LLC &  
JOHN & LINDA SVENSON  
FRANKLIN PIERCE HIGHWAY  
BARRINGTON, NH 03825  
TAX MAP 239 LOT 2 & MAP 285 LOT 1.1

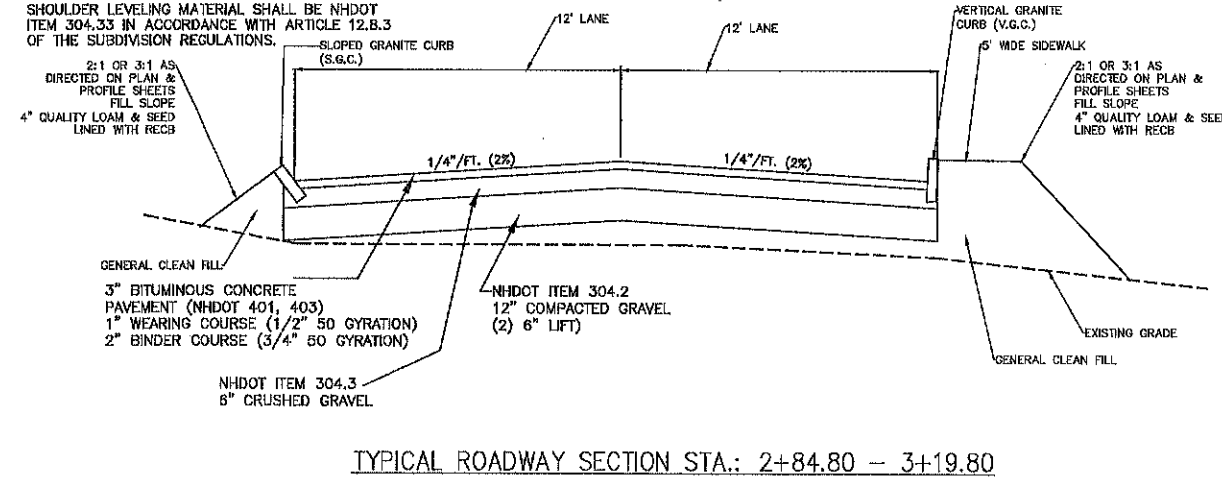
BERRY SURVEYING & ENGINEERING  
335 SECOND CROWN POINT ROAD  
BARRINGTON, NH 03825 (603)332-2863  
AS NOTED  
DATE: AUGUST 13, 2018  
FILE NO.: DB 2018 - 005



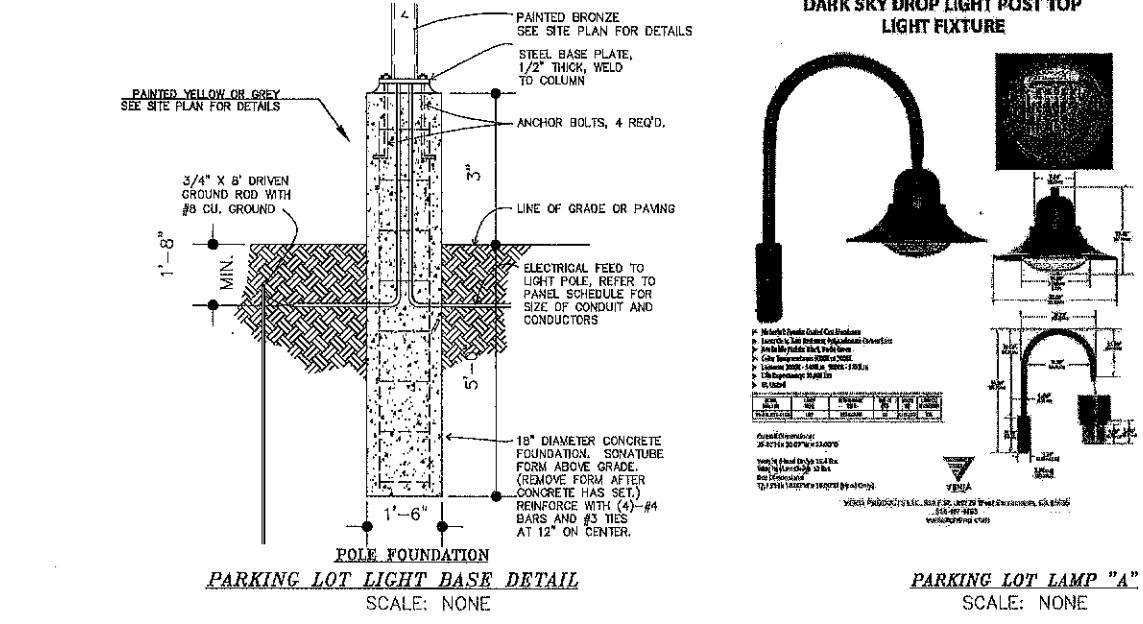
C18



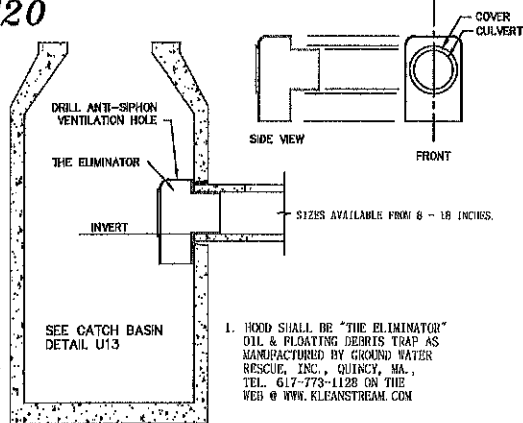
NOTES:  
COMPACTION SHALL BE PERFORMED UNTIL 95% OF MAXIMUM DRY DENSITY IS ACHIEVED IN ACCORDANCE WITH AASHTO T99 AS REQUIRED IN ARTICLE 12.8 OF THE SUBDIVISION REGULATIONS.



C19



C20



CATCH BASIN HOOD DETAIL  
NOT TO SCALE

PLANNING BOARD  
BARRINGTON, NH  
**- APPROVED -**  
File Number 235-1-TC-18-SP  
Date 11/5/18  
Chairman [Signature]

REVISION	DATE	DESCRIPTION
1	9-28-18	REVISED PER CONDITIONS OF APPROVAL OF 9-18-18
2	9-6-18	REVISED PER DEK COMMENTS OF 9-5-18

CONSTRUCTION DETAILS  
LAND OF  
1962 REAL ESTATE LLC &  
JOHN & LINDA SVENSON  
FRANKLIN PIERCE HIGHWAY  
BARRINGTON, NH 03825  
P.L.X. MAP 239 LOT 2 & MAP 236 LOT 1.1

BERRY SURVEYING & ENGINEERING  
335 SECOND CROWN POINT ROAD  
BARRINGTON, NH 03825 (603) 332-2863  
AS NOTED  
DATE: AUGUST 13, 2018  
FILE NO.: DB 2018 - 005

