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SITE PLAN REVIEW FOR INT'L BROTHERHOOD OF ELECTRICAL WORKERS LOCAL 104 22 OLD CONCORD TURNPIKE BARRINGTON, N.H. TAX MAP 271, LOT 23

FOR PLANNING BOARD APPROVAL PURPOSES:

THE SUBDIVISION REGULATIONS OF THE TOWN OF BARRINGTON ARE A PART OF THIS PLAN, AND APPROVAL OF THIS PLAN IS CONTINGENT UPON COMPLETION OF ALL REQUIREMENTS OF SAID SUBDIVISION REGULATIONS, EXCEPTING ONLY MODIFICATIONS MADE IN WRITING BY THE BOARD AND ATTACHED HERETO.

#1	#2	#3	REVISION	DATE	DESCRIPTION
			DRIVEWAY REVISIONS PER NHDOT COMMENTS		
			FINAL REVISIONS PER TOWN ENGINEER COMMENTS		
			REVISIONS PER TOWN ENGINEER COMMENTS		
			3-2-16	12-21-15	
			10-23-15		

OWNER: INT'L BROTHERHOOD OF ELECTRICAL WORKERS
22 OLD CONCORD TURNPIKE
BARRINGTON, NH 03825

[Signature]
SIGNATURE

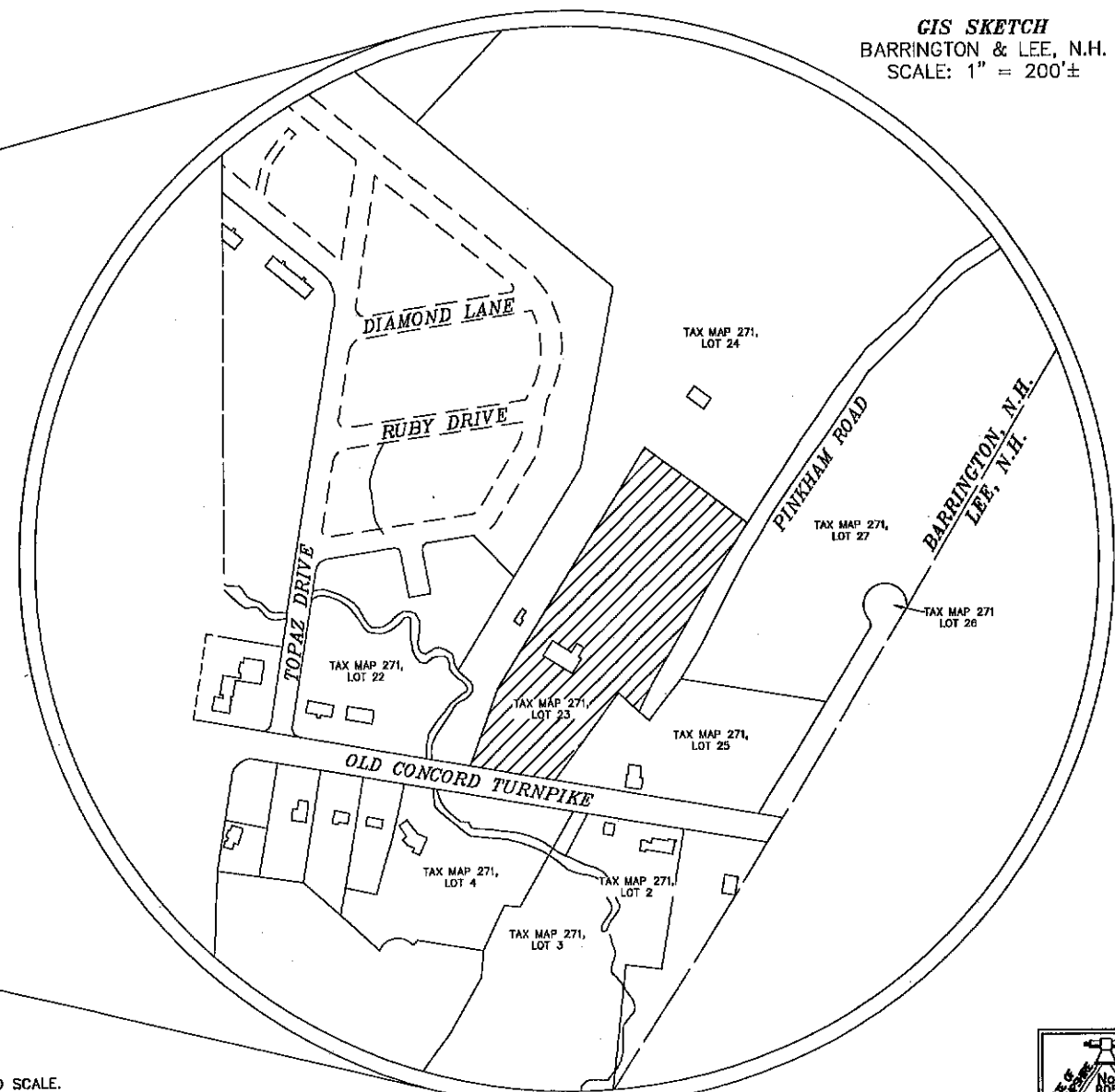
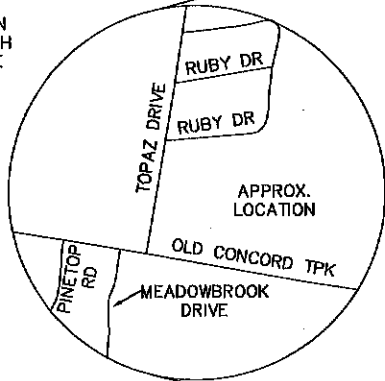
SURVEYOR OF RECORD: KENNETH A. BERRY, PE, LLS
CPESC, CESSW
BERRY SURVEYING & ENGINEERING
335 CROWN POINT ROAD
BARRINGTON, NH 03825
(603) 332-2863

DEVELOPER: INT'L BROTHERHOOD OF ELECTRICAL WORKERS
22 OLD CONCORD TURNPIKE
BARRINGTON, NH 03825

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

GIS SKETCH
BARRINGTON & LEE, N.H.
SCALE: 1" = 200'±

LOCATION PLAN
BARRINGTON, NH
NOT TO SCALE



SITE PLAN REVIEW FOR
INT'L BROTHERHOOD OF ELECTRICAL WORKERS LOCAL 104
22 OLD CONCORD TURNPIKE (ROUTE 4)
BARRINGTON, N.H.
TAX MAP 271, LOT 23

PLANNING BOARD
BARRINGTON, NH

- APPROVED -

File Number 271-23-RC-15-SR

Date 5/16/2016

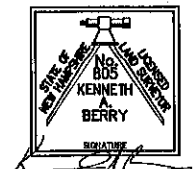
Chairman *[Signature]*

REQUIRED PERMITS:

- ~ NHDOT
- ~ NHDES SEPTIC
- ~ US EPA CGP NOTICE OF INTENT

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.



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

SCALE : AS-NOTED
DATE : SEPTEMBER 9, 2015
FILE NO. : DB 2014-129

TEST HOLE DATA

TEST HOLE #1
 0' - 0.4' 10YR 3/3 FINE SANDY LOAM, GRANULAR, FRIABLE
 0.4' - 1.0' 10YR 5/8 GRANULAR, SINGLE GRAIN
 1.0' - 3.3' 10YR 6/6 FINE SANDY LOAM, GRANULAR, SINGLE GRAIN
 3.3' - 5.0' 10YR 6/6 FINE SANDY LOAM, GRANULAR, FIRM IN HOLE
 S.H.W.T. 3.3'
 G.W. NO GROUNDWATER OBSERVED
 ROOTS NONE
 PERC. RATE: 4 MIN/INCH

TEST HOLE #2
 0' - 1.0' 10YR 9/4 FINE SANDY LOAM, GRANULAR AND FRIABLE
 1.0' - 4.0' 10YR 7/8 FINE SAND, GRANULAR AND SINGLE GRAIN
 4.0' - 5.0' 10YR 6/3 FINE SAND, GRANULAR, FIRM IN HOLE
 S.H.W.T. 4.0'
 G.W. NO GROUNDWATER OBSERVED
 FINE ROOTS TO 1.5'
 PERC. RATE: 4 MIN/INCH

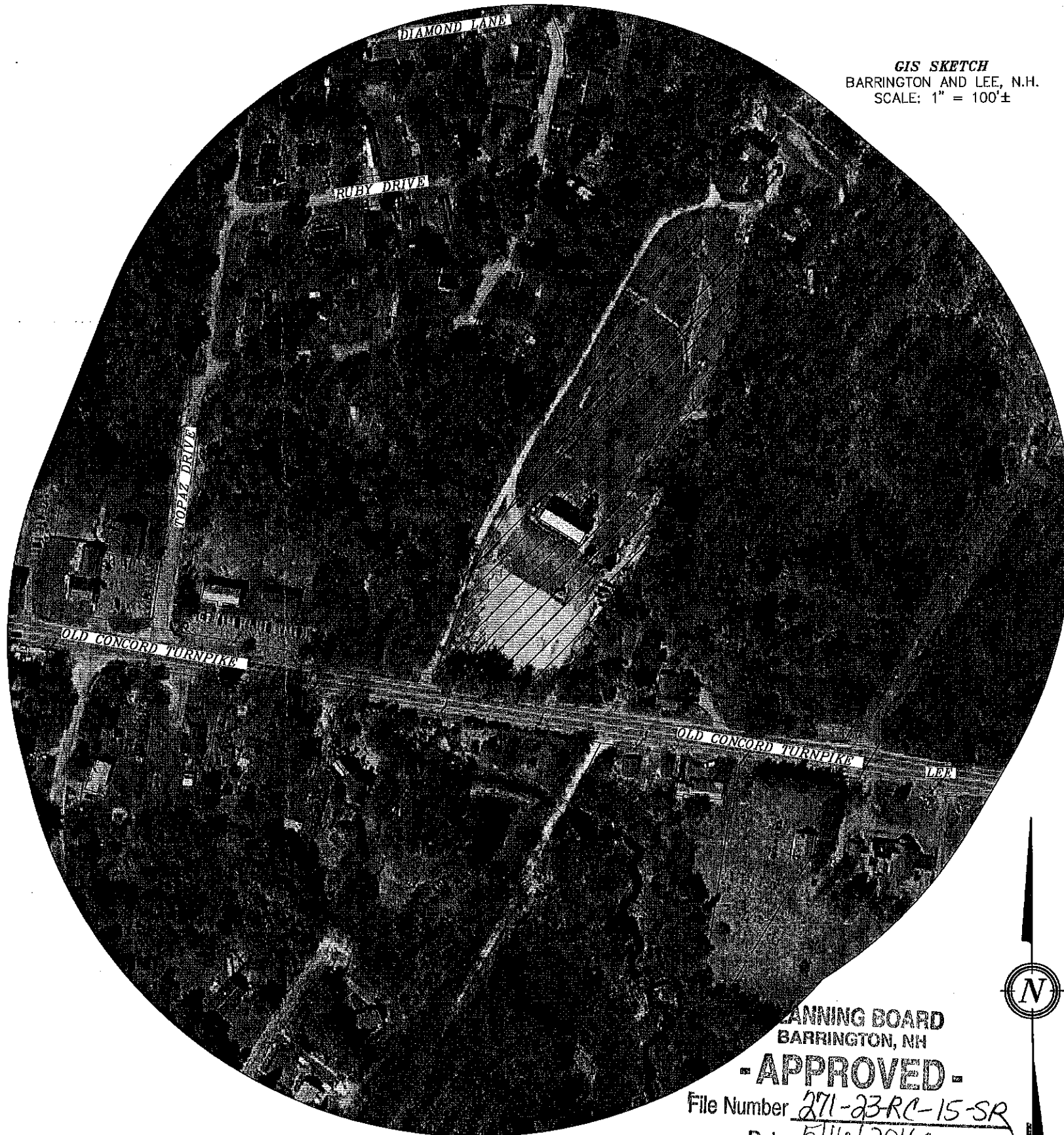
LEGEND:

- IRON BOUND ~TBS~
- IRON BOUND ~FND~
- GRANITE BOUND ~FND~
- STONE BOUND ~FND~
- UTILITY POLE
- GUY WIRE
- CURB STOP
- GATE VALVE
- GAS VALVE
- FIRE HYDRANT
- CATCH BASIN
- SEWER MAN HOLE
- SINGLE POST SIGN
- POLE LIGHT
- TESTPIT
- TREE
- BUILDING SETBACK LINE
- EASEMENT LINE
- GAS LINE
- WATER LINE
- SEWER LINE
- OVERHEAD UTILITIES
- UNDERGROUND UTILITIES
- HIGHWAY FENCE
- SOILS LINE
- MAJOR CONTOUR LINE
- MINOR CONTOUR LINE
- R.O.W. LINE
- ADJUTING LOT LINES
- SPOT ELEVATION
- 50' WETLAND BUFFER
- EXISTING CONTOUR MINOR
- EXISTING CONTOUR MAJOR
- PROPOSED CONTOUR MINOR
- PROPOSED CONTOUR MAJOR
- PROPOSED CULVERT W/ FLARED END SECTION (F.E.S.)
- DETAIL SHEET / DETAIL
- PROPOSED & EXISTING TREELINE
- RIP-RAP APRON
- PROPOSED CENTER LINE
- PROPOSED UNDERGROUND UTILITY
- PROPOSED UNDER DRAIN (U.D.)
- PROPOSED TRANSFORMER / JUNCTION BOX
- EXISTING SECTOR CABINET AND ELECTRIC MANHOLE

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
- 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
- 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)

GIS SKETCH
 BARRINGTON AND LEE, N.H.
 SCALE: 1" = 100'±



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	U-CHANNEL (1)
R7-1	12"x18"	NO PARKING	SEE STANDARD HIGHWAY SIGNS 2004 EDITION PUBLISHED BY USDOT - FHWA	2	WHITE	RED	RED	U-CHANNEL (2)
R7-B	12"x18"	RESERVED PARKING	SEE STANDARD HIGHWAY SIGNS 2004 EDITION PUBLISHED BY USDOT - FHWA	3	WHITE	GREEN W/ WHITE SYMBOL ON BLUE	RED	U-CHANNEL (3)
R7-Ba	12"x6"	VAN ACCESSIBLE	SEE STANDARD HIGHWAY SIGNS 2004 EDITION PUBLISHED BY USDOT - FHWA	1	WHITE	GREEN	GREEN	U-CHANNEL (1)
N/A	12"x18"	NO PARKING	SEE STANDARD HIGHWAY SIGNS 2004 EDITION PUBLISHED BY USDOT - FHWA	4	WHITE	RED	RED	U-CHANNEL (4)
R5-1	30"x30"	DO NOT ENTER	SEE STANDARD HIGHWAY SIGNS 2004 EDITION PUBLISHED BY USDOT - FHWA	1	WHITE W/ RED SYMBOL	WHITE	WHITE	U-CHANNEL (1)
R6-1L	36"x12"	LEFT TURN	SEE STANDARD HIGHWAY SIGNS 2004 EDITION PUBLISHED BY USDOT - FHWA	1	BLACK W/ WHITE ARROW	BLACK	WHITE	U-CHANNEL (1)

REVISION #	DATE	DESCRIPTION
#3	3-2-16	DRIVEWAY REVISIONS PER NHDOT COMMENTS
#2	12-21-15	FINAL REVISIONS PER TOWN ENGINEER COMMENTS
#1	10-23-15	REVISIONS PER TOWN ENGINEER COMMENTS

1500' NEIGHBORHOOD PLAN FOR INT'L BROTHERHOOD OF ELECTRICAL WORKERS LOCAL 104 22 OLD CONCORD TURNPIKE (ROUTE 4) BARRINGTON, N.H. TAX MAP 271, LOT 25

BERRY SURVEYING & ENGINEERING
 335 SECOND CROWN POINT ROAD
 BARRINGTON, NH 03825 (332-2863)
 SCALE: AS-NOTED
 DATE: SEPTEMBER 9, 2015
 FILE NO.: DB 2014-129

STATE OF NEW HAMPSHIRE
 KENNETH A. BERRY
 No. 14245
 LICENSED PROFESSIONAL SURVEYOR

PLANNING BOARD
 BARRINGTON, NH
- APPROVED -
 File Number 271-23-RC-15-SR
 Date 5/16/2016
 Chairman [Signature]

SOILS:
 ADB ~ ACTON VERY STONEY FINE SANDY LOAM, 0 TO 8 PERCENT SLOPES
 GdB ~ GLOUCESTER VERY STONEY FINE SANDY LOAM, 5 TO 8 PERCENT SLOPES
 SdB ~ SUTTON VERY STONEY FINE SANDY LOAM, 0 TO 8 PERCENT SLOPES
 WdA ~ WHITMAN VERY STONEY FINE SANDY LOAM, 0 TO 8 PERCENT SLOPES
 WdL ~ WINDSOR LOAMY SAND, 0 TO 3 PERCENT SLOPES

SEE WEBSOIL USDA-NRCS

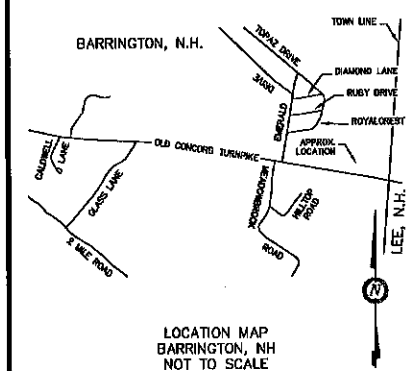
THE WETLAND DELINEATION WAS COMPLETED NOVEMBER, 2014 IN ACCORDANCE WITH THE 1987 CORP OF ENGINEERS WETLAND DELINEATION MANUAL. JURISDICTIONAL WETLANDS WERE IDENTIFIED AND DELINEATED USING THE ROUTINE DETERMINATIONS METHOD AS OUTLINED IN THE MANUAL. THE DELINEATION WAS DONE BY:

FRAGGLE ROCK ENV., DAMON BURT - CWS #183
 38 GARLAND ROAD, STRAFFORD, NH 03884

N/F GOWEN, KENNETH AND HARRIET E.
 TRUSTEES OF FAMILY REVOCABLE TRUST
 24 OLD CONCORD TURNPIKE
 BARRINGTON, NH 03825
 TAX MAP 271, LOT 24

PLAN REFERENCES:

- 1.) "LOT LINE ADJUSTMENT PLAN PREPARED FOR GOWEN FAMILY REVOCABLE TRUST OF TAX MAP 271/LOTS 23 & 24 LOCATED AT NH ROUTE 4 COUNTY OF STRAFFORD BARRINGTON, NH" BY: DAVID W. VINCENT, LLS LAND SURVEYING SERVICES DATED: JULY 18, 2008 S.C.R.D.: PLAN # 88-37
- 2.) "A SURVEY AND PLAT OF A SUBDIVISION PREPARED FOR NICHOLAS P. & KATHOLIKI CHAKOUTS SITUATED IN THE TOWN OF BARRINGTON & LEE NEW HAMPSHIRE" BY: R.S.L. LAYOUT & DESIGN INC. DATED: JULY 27, 1987 S.C.R.D.: PLAN # 533A-78
- 3.) "BOUNDARY PLAN CHARLES VOROSMARTY ROUTE BARRINGTON, NEW HAMPSHIRE" BY: R.G. MOYNIHAN CIVIL ENGINEER AND SURVEYOR DATED: OCTOBER 18, 1990 S.C.R.D.: PLAN # 32A-23
- 4.) "PLAN OF LAND MAJOR WALDRONS SPORTSMEN'S ASSOC." BY: FREDERICK E. DREW ASSOCIATES DATED: FEBRUARY 1985 S.C.R.D.: PLAN # 24A-198



NOTES:

- 1.) OWNER: PROJECT ADDRESS: INT'L BROTHERHOOD OF ELECTRICAL WORKERS 22 OLD CONCORD TURNPIKE BARRINGTON, NH 03825
 MAILING ADDRESS: INT'L BROTHERHOOD OF ELECTRICAL WORKERS 130 WEST STREET WALPOLE, MA 02081
- 2.) TAX MAP 271, LOT 23
- 3.) S.C.R.D. BOOK 3552, PAGE 349
- 4.) LOT AREA: 219,154 Sq. Ft., 5.03 Ac.
- 5.) THE INTENT OF THIS PLAN IS TO SHOW THE EXISTING BOUNDARIES AND CONDITIONS OF TAX MAP 271, LOT 23, LOCATED IN BARRINGTON, N.H., AS OF THE DATE OF THIS PLAN.
- 6.) I HEREBY CERTIFY THAT, TO THE BEST OF MY KNOWLEDGE AND BELIEF, A PORTION OF THIS PROPERTY DOES NOT FALL WITHIN THE FLOOD PLAIN FLOOD HAZARD REF: FEMA MAP# 33017C0290D, DATED: MAY 17, 2005.
- 7.) VERTICAL DATUM BASED ON NAVD83 ELEVATIONS. COORDINATES GATHERED USING TOPCON HIPER SR SURVEY GRADE GPS.
- 8.) EXISTING IMPERVIOUS AREA = 81,786 Sq.Ft. 28.1%
- 9.) ALL ADJUTING PROPERTIES ARE IN THE REGIONAL COMMERCIAL ZONE.

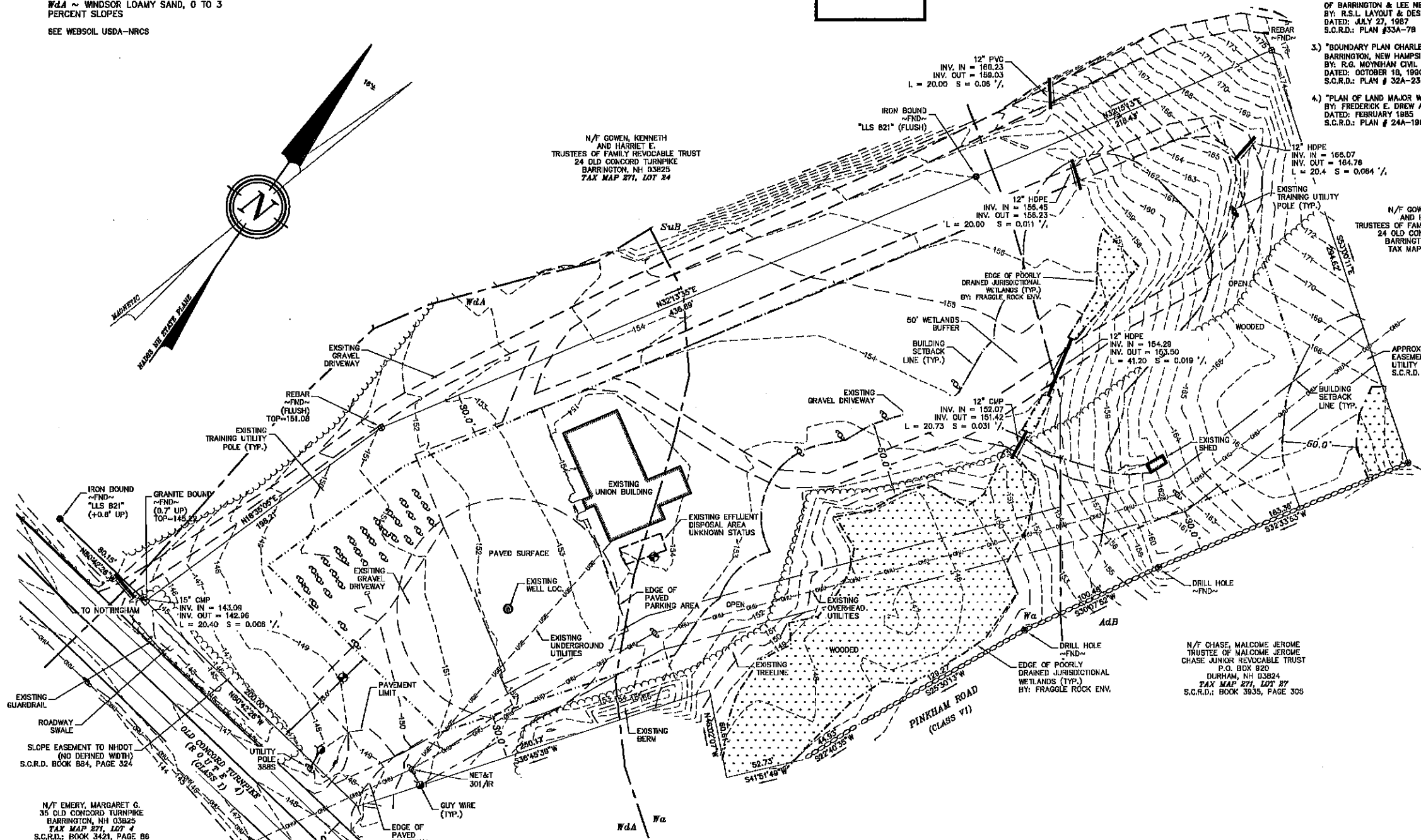
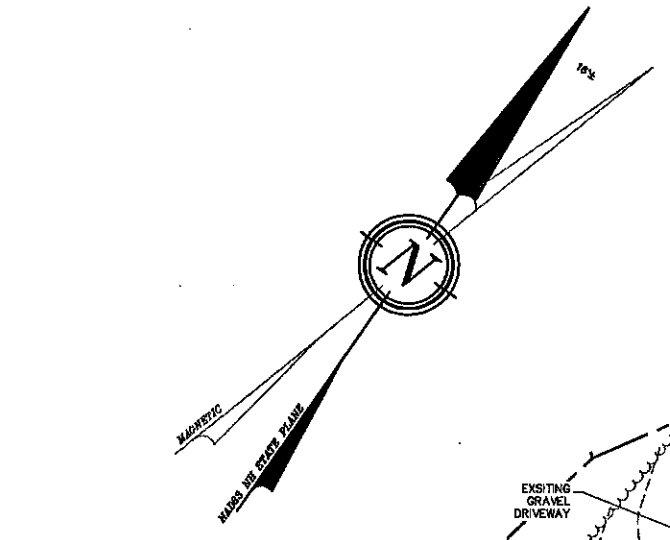
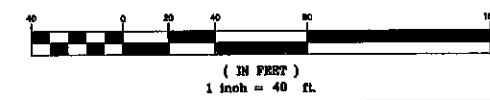
ZONING:

ZONE:	REGIONAL COMMERCIAL
MIN. LOT SIZE:	40,000 Sq. Ft.
MIN. FRONTAGE:	200'
FRONT SETBACK:	75'
SIDE SETBACK:	30'
REAR SETBACK:	30'
OPEN SPACE:	
MAX. LOT COVERAGE:	50%
MAX. HEIGHT:	40' - 3 STORIES
RESIDENTIAL BUFFER:	50'

SITE PLAN REVIEW

NON-RESIDENTIAL PARKING AREA: FRONT BUFFER (50') 4.2,3(5)

GRAPHIC SCALE



N/F EMERY, MARGARET G.
 35 OLD CONCORD TURNPIKE
 BARRINGTON, NH 03825
 TAX MAP 271, LOT 4
 S.C.R.D.: BOOK 3421, PAGE 86

N/F VOROSMARTY, CHARLES
 LACEY, RUTH 2008
 REVOCABLE TRUST
 88 PURCHASE STREET
 NEWBURYPORT, MA 01950
 TAX MAP 271, LOT 25
 S.C.R.D.: BOOK 3349, PAGE 849

N/F CHASE, WILCOX JEROME
 TRUSTEE OF WILCOX JEROME
 CHASE JUNIOR REVOCABLE TRUST
 P.O. BOX 820
 DURHAM, NH 03824
 TAX MAP 271, LOT 27
 S.C.R.D.: BOOK 3935, PAGE 305

LEGEND:

- IRON BOUND
- REBAR (FND)
- IRON PIPE (FND)
- × IRON BOUND (FND)
- ▲ ANGLE IRON (FND)
- DRILL HOLE (FND OR SET)
- TBS TO BE SET
- FND FOUND
- TYP TYPICAL
- STONE WALL
- BUILDING SETBACK LINE
- EASEMENT LINE
- JURISDICTIONAL WETLAND LINE
- WELL
- UTILITY POLE
- GUY WIRE

**PLANNING BOARD
 BARRINGTON, NH**

- APPROVED -

File Number 271-23-RC-15-SR

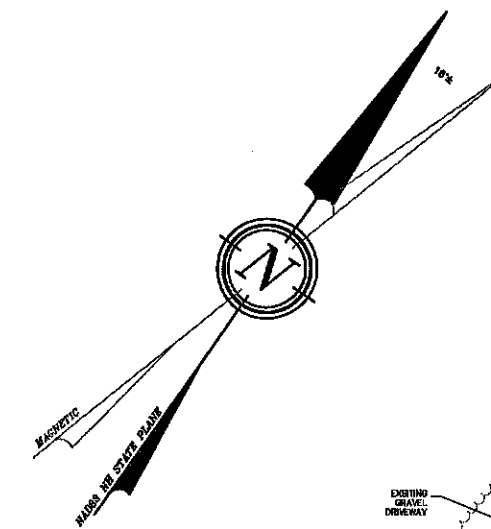
Date 5/16/2016

Chairman [Signature]

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. - 1:10,000 -
 4-21-16
 KENNETH A. BERRY RLS B05 DATE

REVISION	DATE	DESCRIPTION
#4	4-21-16	REVISE ROAD TO CLASS 1
#3	3-24-16	DRIVEWAY REVISIONS PER NHDOT COMMENTS
#2	12-21-15	FINAL REVISIONS PER TOWN ENGINEER COMMENTS
#1	10-23-15	REVISIONS PER TOWN ENGINEER COMMENTS

EXISTING CONDITIONS FOR	
INT'L BROTHERHOOD OF ELECTRICAL WORKERS 22 OLD CONCORD TURNPIKE (ROUTE 4) BARRINGTON, NH TAX MAP 271, LOT 23	
BERRY SURVEYING & ENGINEERING 335 SECOND CROWN POINT RD. BARRINGTON, N.H. 332-2863	
SCALE :	1 IN. EQUALS 40 FT.
DATE :	SEPTEMBER 9, 2015
FILE NO. :	DB 2014 - 129



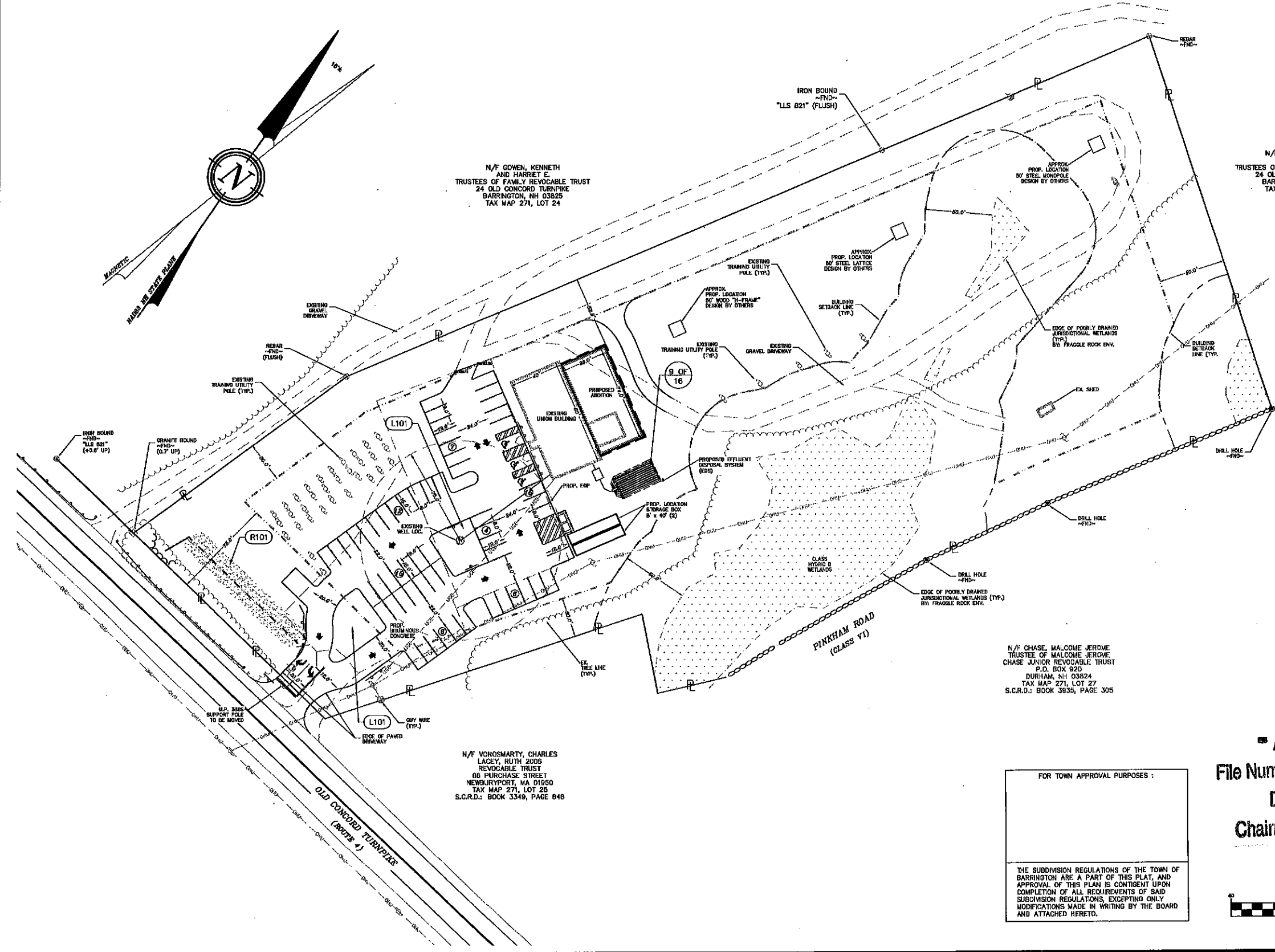
PARKING CALCULATIONS REQUIREMENTS:
 (TRADE SCHOOL) 1 SPACE PER 4 STUDENTS
 (OFFICE) - 1 SPACE PER 300 Sq.Ft.
 1,000 Sq.Ft.± OFFICE SPACE - 4 SPACES
 60 STUDENTS AT LARGEST CLASS - 15 SPACES
 16 SPACES REQUIRED
 82 SPACES PROVIDED, INCLUDING 3 ADA SPACES

N/F GOWEN, KENNETH AND HARRIET E.
 TRUSTEES OF FAMILY REVOCABLE TRUST
 24 OLD CONCORD TURNPIKE
 BARRINGTON, NH 03825
 TAX MAP 271, LOT 24

N/F GOWEN, KENNETH AND HARRIET E.
 TRUSTEES OF FAMILY REVOCABLE TRUST
 24 OLD CONCORD TURNPIKE
 BARRINGTON, NH 03825
 TAX MAP 271, LOT 24

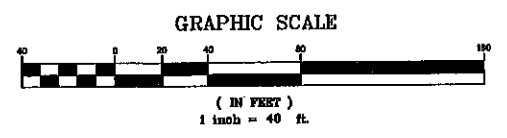
N/F CHASE, MALCOLME JEROME
 TRUSTEE OF MALCOLME JEROME
 CHASE JUNIOR REVOCABLE TRUST
 P.O. BOX 920
 DURHAM, NH 03824
 TAX MAP 271, LOT 27
 S.C.R.D.: BOOK 3935, PAGE 305

N/F VOROSMARTY, CHARLES
 LACEY, RUTH 2005
 REVOCABLE TRUST
 80 PURCHASE STREET
 NEWBURYPORT, MA 01950
 TAX MAP 271, LOT 26
 S.C.R.D.: BOOK 3349, PAGE 848



- 9 OF 16 - SHEET 9 OF 6
- L101 - LANDSCAPE SHEET 101
- R101 - RAINGARDEN SHEET 101
- ⊙ - NUMBER OF PARKING SPACES

**PLANNING BOARD
 BARRINGTON, NH**
- APPROVED -
 File Number 271-23-RC-15-SR
 Date 5/16/2016
 Chairman [Signature]



FOR TOWN APPROVAL PURPOSES:

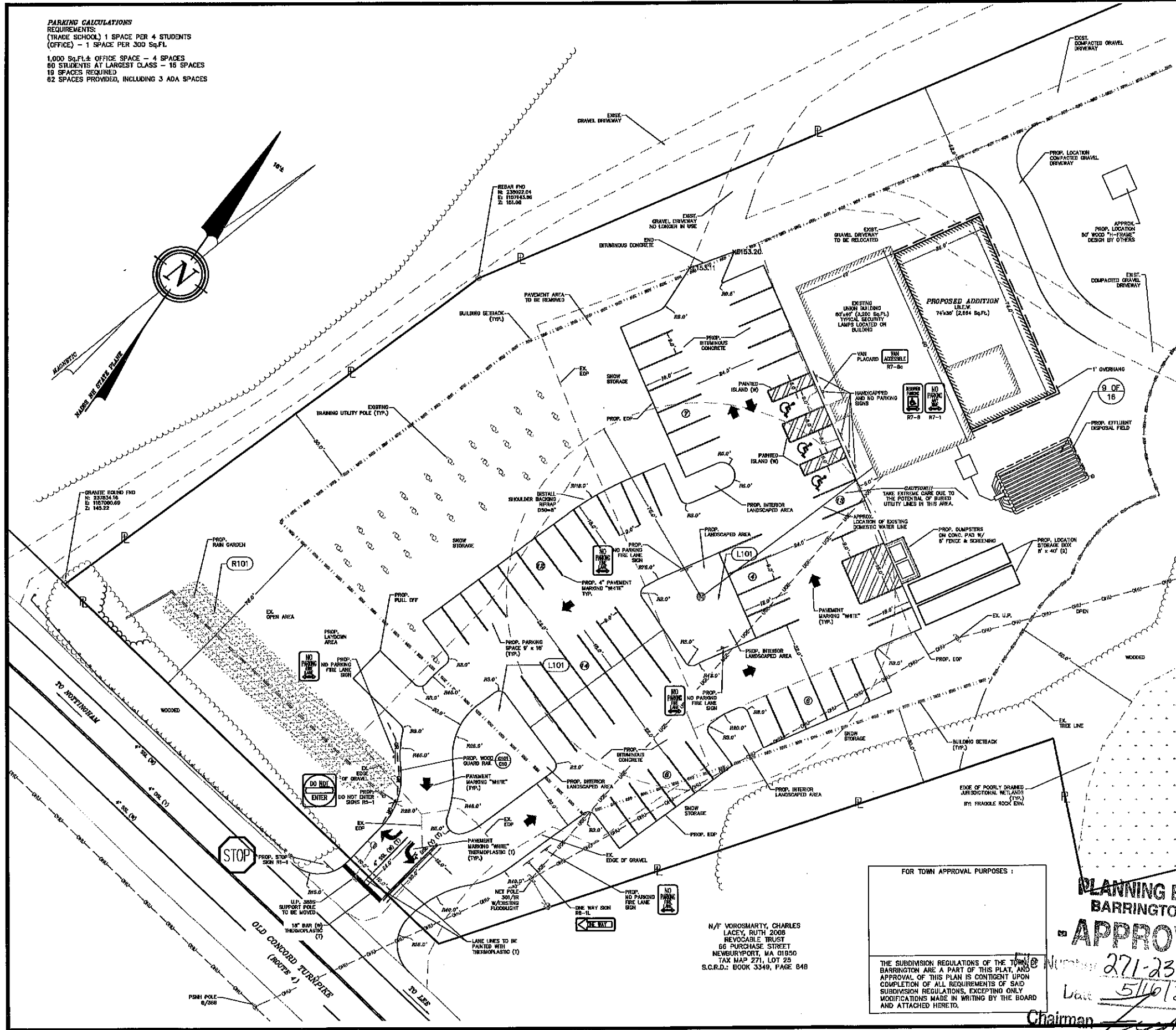
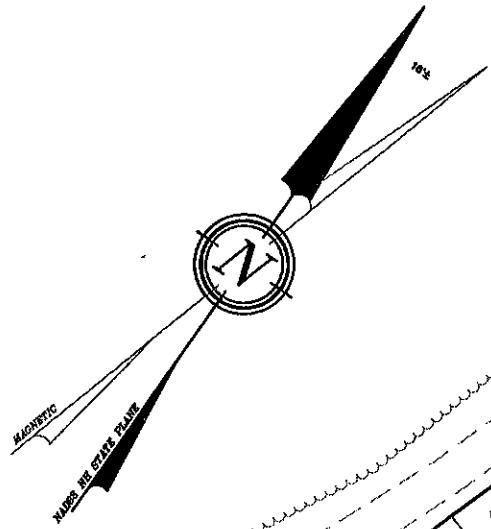
THE SUBDIVISION REGULATIONS OF THE TOWN OF BARRINGTON ARE A PART OF THIS PLAN, AND APPROVAL OF THIS PLAN IS CONTINGENT UPON COMPLETION OF ALL REQUIREMENTS OF SAID SUBDIVISION REGULATIONS, EXCEPTING ONLY MODIFICATIONS MADE IN WRITING BY THE BOARD AND ATTACHED HERETO.

#3	REVISION	DATE	DESCRIPTION
3-24-16			DRIVEWAY REVISIONS PER NHOOT COMMENTS
12-21-15	#2		FINAL REVISIONS PER TOWN ENGINEER COMMENTS
10-23-15	#1		REVISIONS PER TOWN ENGINEER COMMENTS

OVERVIEW SITE PLAN FOR
 INT'L BROTHERHOOD OF ELECTRICAL WORKERS
 OLD CONCORD TURNPIKE (ROUTE 4)
 BARRINGTON, NH 03825
 TAX MAP 271, LOT 23

BERRY SURVEYING & ENGINEERING
 335 SECOND CROWN POINT ROAD
 BARRINGTON, NH 03825 {332-2863}
 SCALE: 1 IN. EQUALS 40 FT.
 DATE: SEPTEMBER 9, 2015
 FILE NO.: DB 2014-129

PARKING CALCULATIONS
 REQUIREMENTS:
 (TRADE SCHOOL) 1 SPACE PER 4 STUDENTS
 (OFFICE) - 1 SPACE PER 300 Sq.Ft.
 1,000 Sq.Ft.± OFFICE SPACE - 4 SPACES
 80 STUDENTS AT LARGEST CLASS - 16 SPACES
 16 SPACES REQUIRED
 62 SPACES PROVIDED, INCLUDING 3 ADA SPACES



NOTES:

- 1.) THE INTENT OF THIS PLAN SET IS TO DEMONSTRATE THE SITE PLAN DESIGN OF A PROPOSED ADDITION AND PROPOSED PARKING LOT.
- 2.) CURRENT OWNER: INTERNATIONAL BROTHERHOOD OF ELECTRICAL WORKERS
22 OLD CONCORD ROAD
BARRINGTON, NH 03825
- 3.) THE PROJECT PARCEL IS LOT NO. 23, MAP 271 OF THE TOWN OF BARRINGTON TAX ASSESSOR'S MAPS.
- 4.) THE PROJECT PARCEL CONTAINS 5.03 ACRES OR 219,164 SQUARE FEET AREA OF LAND.
- 5.) EXISTING IMPERVIOUS AREA = 81,766 Sq.Ft. 28.1%
PROPOSED IMPERVIOUS AREA = 60,536.57 Sq.Ft. 27.6%
- 6.) TITLE REFERENCE FOR THE PROJECT PARCEL IS THE STRAFFORD COUNTY REGISTRY OF DEEDS, (S.C.R.D.) BOOK NO. 3552, PAGE NO. 348.
- 7.) ZONING NOTES: REGIONAL COMMERCIAL, STRATIFIED DRIFT AQUIFER OVERLAY
MINIMUM LOT SIZE: 40,000 SQUARE FEET
MINIMUM FRONTAGE: 200 FEET
BUILDING SETBACK REQUIREMENTS:
FRONT (EXISTING) 75 FEET
SIDE 30 FEET
REAR 30 FEET
MAXIMUM LOT COVERAGE: 50 PERCENT
MAXIMUM BUILDING HEIGHT: 40 FEET - 3 STORIES
- 8.) PROPERTY LINE INFORMATION HAS BEEN OBTAINED FROM A SURVEY PERFORMED BY BERRY SURVEYING & ENGINEERING IN NOVEMBER 2014 WITH AN ERROR OF CLOSURE GREATER THAN 1 IN 10,000 UNDER NO SNOW CONDITIONS.
- 9.) LOT LIMITS TO BE LAID OUT BY BS&E.
- 10.) THE SUBJECT PARCEL IS NOT LOCATED WITHIN AREAS DETERMINED TO BE WITHIN THE 0.2 PERCENT ANNUAL CHANCE FLOODPLAIN AS SHOWN ON FEMA FLOOD INSURANCE RATE MAP NO.: 33017C02850 DATED MAY 17, 2005.
- 11.) WETLANDS WERE DELINEATED BY FRAGGLE ROCK ENV., DAMON BURT, CERTIFIED WETLAND SCIENTIST CERTIFICATE NUMBER 163.
- 12.) 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 UPON COMPLETION OF PROJECT. AS-BUILT PLANS SHALL BE PREPARED AND CERTIFIED CORRECT BY A L.L.S. OR P.E.
- 13.) TOPOGRAPHIC SURVEY PERFORMED BY BERRY SURVEYING & ENGINEERING IN NOVEMBER 2014 UNDER NO SNOW CONDITIONS AND IS SHOWN AT 1 FOOT INTERVALS.
- 14.) DATUM: PROJECT DATUM IS BASED ON GPS COORDINATES ESTABLISHED WITH A TOPCON HIPER SR RECEIVER IN NOVEMBER 2014 AND REPRESENTED IN NEW HAMPSHIRE STATE PLANE COORDINATES NAD 1983 AND VERTICALLY BY NAVD 1988.
- 15.) IF A SPRINKLER SYSTEM IS REQUIRED FOR THE PROPOSED ADDITION, IT IS TO BE DESIGNED BY OTHERS.
- 16.) ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO APPLICABLE TOWN AND STATE CODES.
- 17.) 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.
- 18.) ALL TREATMENT SWALES TO BE CONSTRUCTED SHALL HAVE SOD BOTTOMS.
- 19.) A LETTER OF CREDIT FOR THE COST OF REVEGETATING ALL DISTURBED AREAS ON THE SITE SHALL BE SUBMITTED PRIOR TO ANY EARTH DISTURBING ACTIVITY OCCURS.
- 20.) A PRE-CONSTRUCTION CONFERENCE WITH THE DEVELOPER, THE DESIGN ENGINEER, THE EARTHWORK CONTRACTOR AND THE TOWN'S ENGINEER SHALL OCCUR PRIOR TO ANY EARTH DISTURBING ACTIVITY.
- 21.) THE PROPOSED USE FOR THE SITE IS COMMERCIAL.
- 22.) THIS PLAN PROPOSES 53,000 SQ. FT. OF DISTURBANCE.
- 23.) CALL DIG SAFE PRIOR TO BEGINNING WORK (1-888-344-7233).
- 24.) ALL CONSTRUCTION SHALL CONFORM TO THE TOWN OF BARRINGTON SUBDIVISION REGULATIONS AND THE LATEST EDITION OF THE STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- 25.) WRITTEN DIMENSIONS 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.
- 26.) SNOW STORAGE AREAS ARE AS SHOWN ON THIS SITE PLAN. NO SNOW IS TO BE STORED IN THE TREATMENT SWALE. SNOW IN THIS AREA IS TO BE PUSHED BEYOND THE TREATMENT SWALE. EXCESS SNOW WILL BE REMOVED FROM THIS SITE AND DISPOSED OF IN A QUALIFIED LOCATION.
- 27.) TRAINING UTILITY POLES WILL BE PERIODICALLY ERECTED AND TAKEN DOWN INSIDE THE BUILDING ENVELOPE.
- 28.) IF DURING CONSTRUCTION IT BECOMES APPARENT THE 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 TOWN.
- 29.) THE EXISTING USE OF THE PROPERTY IS FOR THE LOCAL IBEW UNION TRAINING SITE. THE PROPOSED USE IS THE SAME.
- 30.) THE WATER SUPPLY SOURCE IS AN ON-SITE WELL.

N/T VOROSMARTY, CHARLES
 LACEY, RUTH 2006
 REVOCABLE TRUST
 65 PURCHASE STREET
 NEWBURYPORT, MA 01950
 TAX MAP 271, LOT 23
 S.C.R.D.: BOOK 3349, PAGE 848

FOR TOWN APPROVAL PURPOSES:
 THE SUBDIVISION REGULATIONS OF THE TOWN OF BARRINGTON ARE A PART OF THIS PLAN, AND APPROVAL OF THIS PLAN IS CONTINGENT UPON COMPLETION OF ALL REQUIREMENTS OF SAID SUBDIVISION REGULATIONS, EXCEPTING ONLY MODIFICATIONS MADE IN WRITING BY THE BOARD AND ATTACHED HERETO.

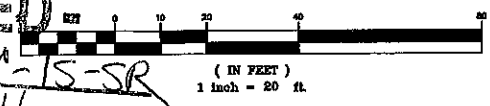
PLANNING BOARD
 BARRINGTON, NH

APPROVED

271-2371-15-SR
 5/16/2016

Chairman *[Signature]*

GRAPHIC SCALE



DRIVEWAY REVISIONS PER NHDOT COMMENTS	DESCRIPTION
3-24-16	
12-21-15	
10-23-15	
REVISION	DATE
#3	#1
#2	#1

20 SCALE SITE PLAN
 FOR
 INT'L BROTHERHOOD OF ELECTRICAL WORKERS
 OLD CONCORD TURNPIKE (ROUTE 4)
 BARRINGTON, NH 03825
 TAX MAP 271, LOT 23

BERRY SURVEYING & ENGINEERING
 335 SECOND CROWN POINT ROAD
 BARRINGTON, NH 03825 {332-2863}
 SCALE : 1 IN. EQUALS 20 FT.
 DATE : SEPTEMBER 9, 2015
 FILE NO. : DB 2014-129



ADA COMPLIANCE NOTE:
 HANDICAPPED ACCESSIBLE SPACES WILL BE ADA COMPLIANT. GRADES IN THE AREA OF HANDICAPPED SPACES SHALL NOT EXCEED 2%.

TESTHOLE DATA:

TEST HOLE #1
 0' - 0.4' 10YR 7/3 FINE LOAMY SAND, GRANULAR AND FRIBLE
 0.4' - 1.0' 10YR 5/8 COURSE SAND, GRANULAR AND SINGLE GRAN
 1.0' - 3.3' 10YR 6/8 FINE SAND, GRANULAR, SINGLE GRAN
 3.3' - 5.0' 10YR 6/5 FINE SAND, GRANULAR, FIRM IN HOLE, COMMON CONC. & DEPL.

S.H.W.T. 3.3'
 G.W. NO GROUNDWATER OBSERVED
 PERC. RATE: 4 MIN/INCH

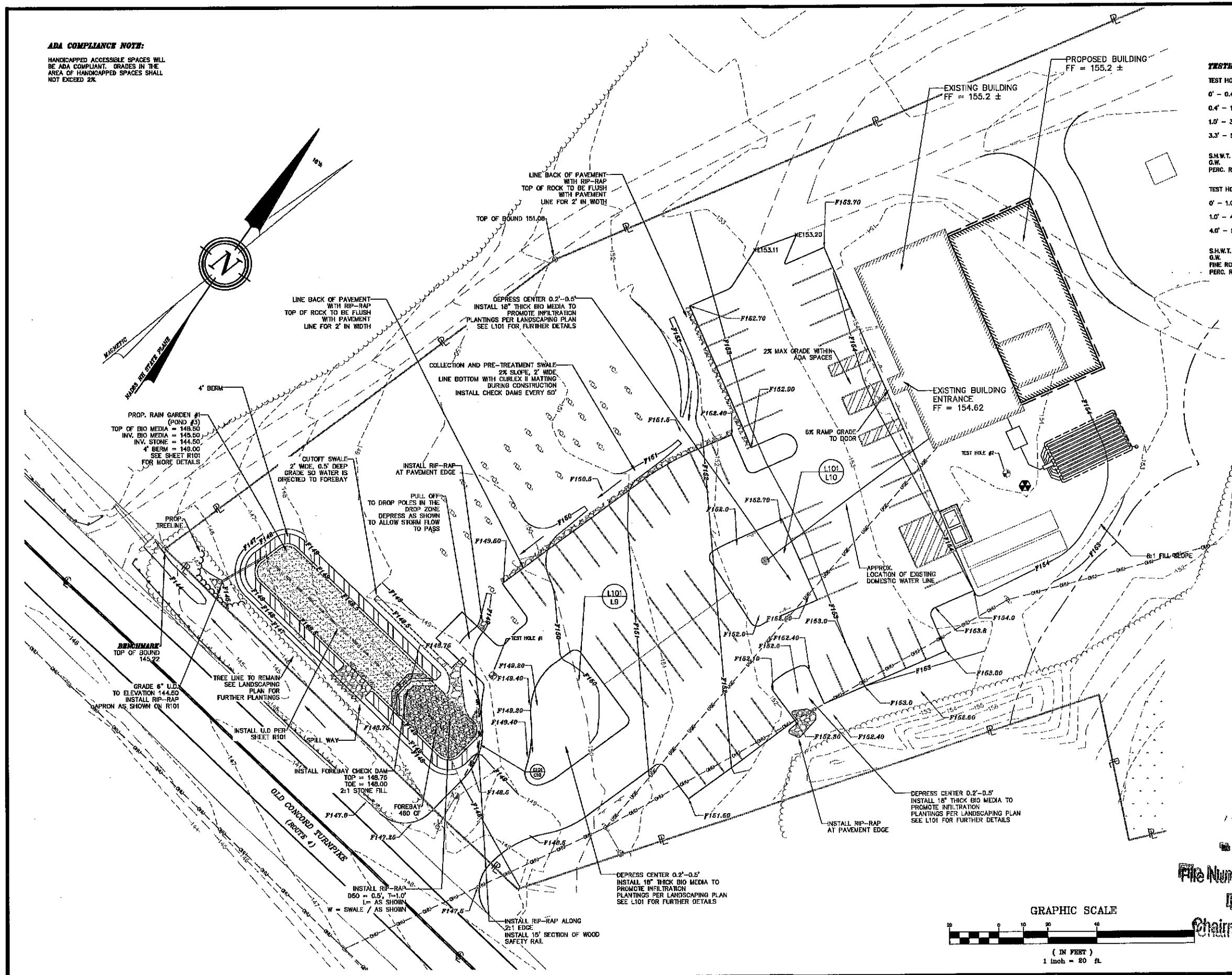
TEST HOLE #2
 0' - 1.0' 10YR 5/4 FINE SANDY LOAM, GRANULAR AND FRIBLE
 1.0' - 4.0' 10YR 7/8 FINE SAND, GRANULAR AND SINGLE GRAN
 4.0' - 5.0' 10YR 6/3 FINE SAND, GRANULAR, FIRM IN HOLE

S.H.W.T. 4.0'
 G.W. NO GROUNDWATER OBSERVED
 FINE ROOTS TO 1.5'
 PERC. RATE: 4 MIN/INCH

#	REVISION	DATE	DESCRIPTION
1	DRIVEWAY REVISIONS PER NHDOT COMMENTS		
2	FINAL REVISIONS PER TOWN ENGINEER COMMENTS		
3	REVISIONS PER TOWN ENGINEER COMMENTS		
4		5-24-16	
5		12-21-15	
6		10-23-15	

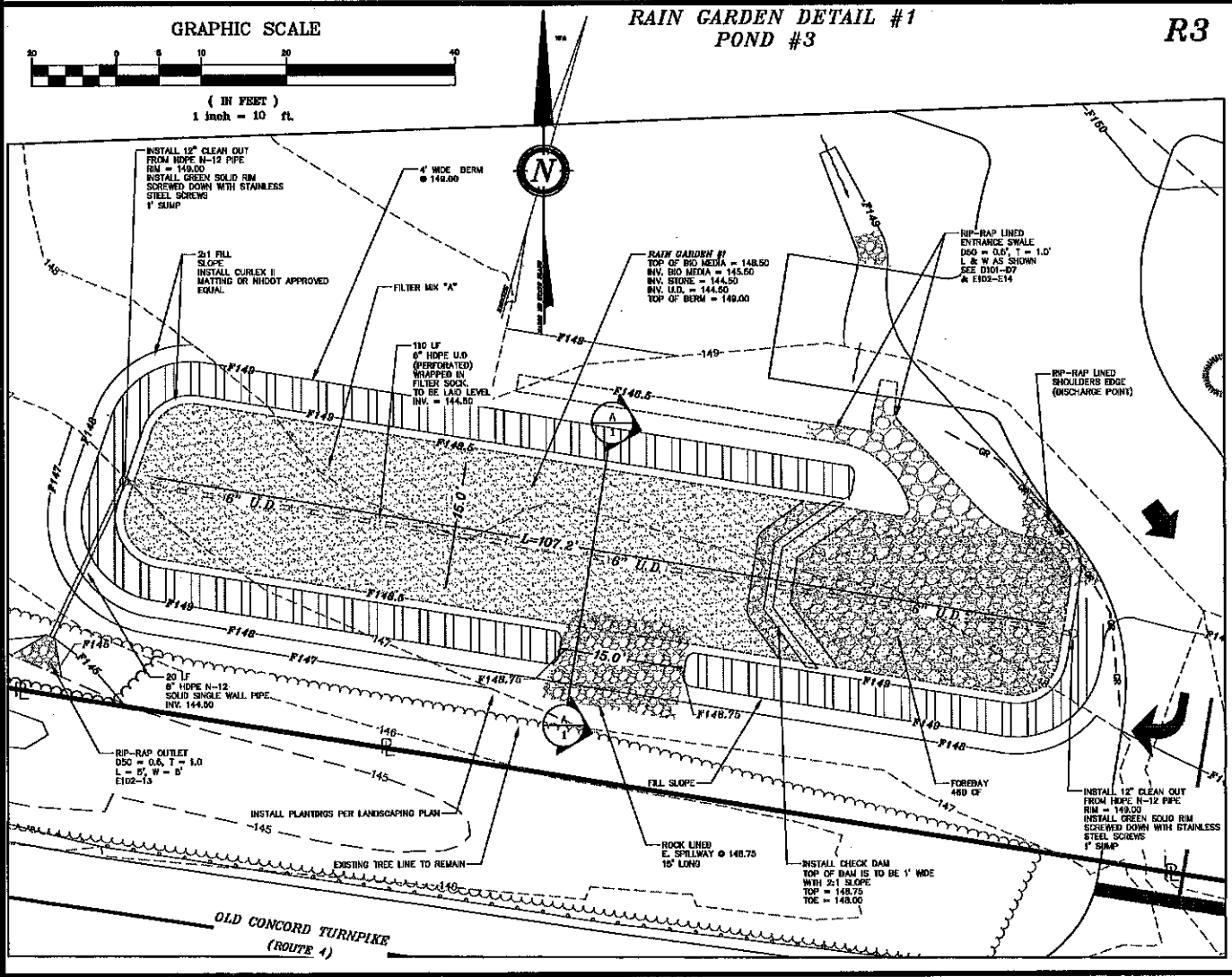
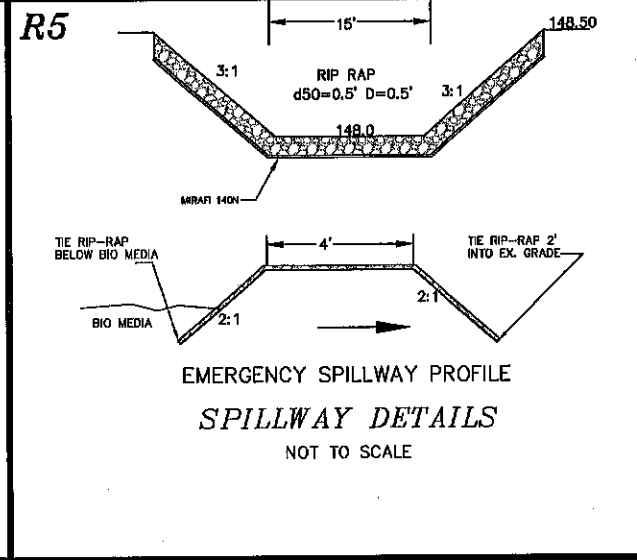
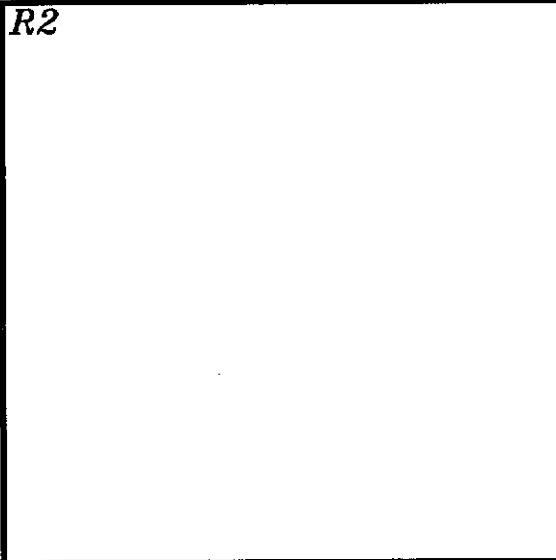
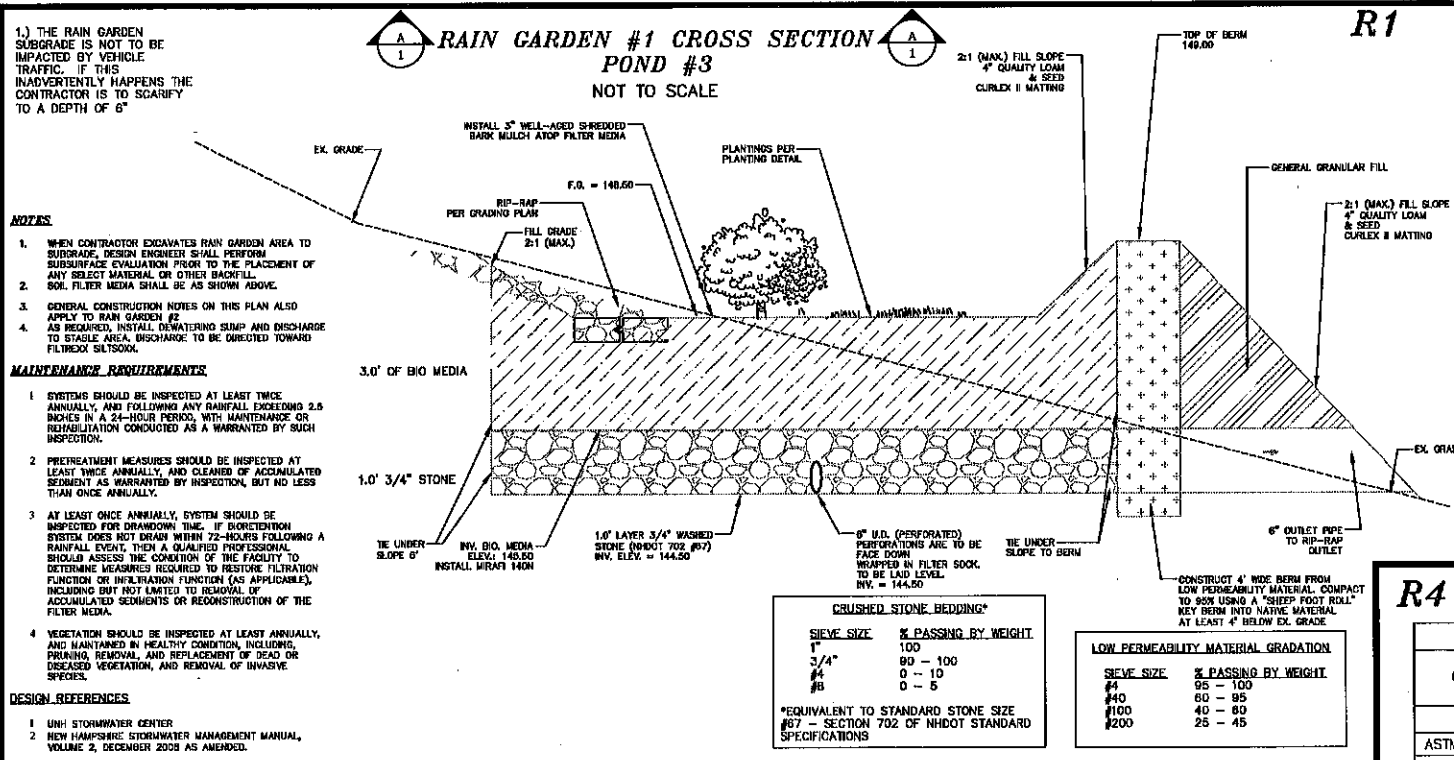
GRADING PLAN FOR
 INT'L BROTHERHOOD OF ELECTRICAL WORKERS
 22 OLD CONCORD TURNPIKE (ROUTE 4)
 BARRINGTON, NH 03825
 TAX MAP 271, LOT 23

BERRY SURVEYING & ENGINEERING
 335 SECOND CROWN POINT ROAD
 BARRINGTON, NH 03825 (332-2863)
 SCALE: 1 IN. EQUALS 20 FT.
 DATE: SEPTEMBER 9, 2015
 FILE NO.: DB 2014-129



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

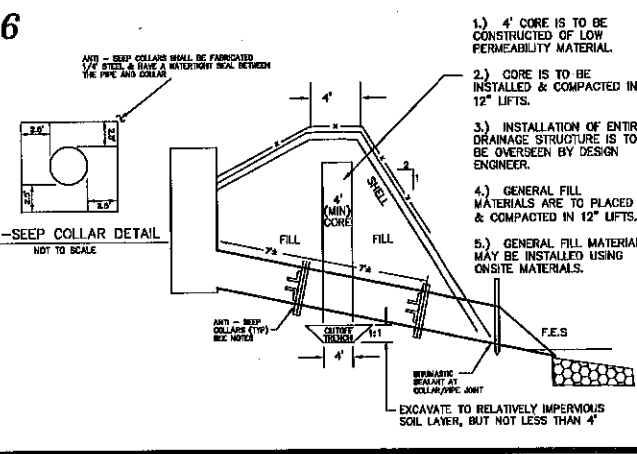
File Number 271-23-RC-15-SR
 Date: 5/16/2016
 Chairman: [Signature]



R4 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

GRAPHIC SCALE
1 inch = 10 ft.

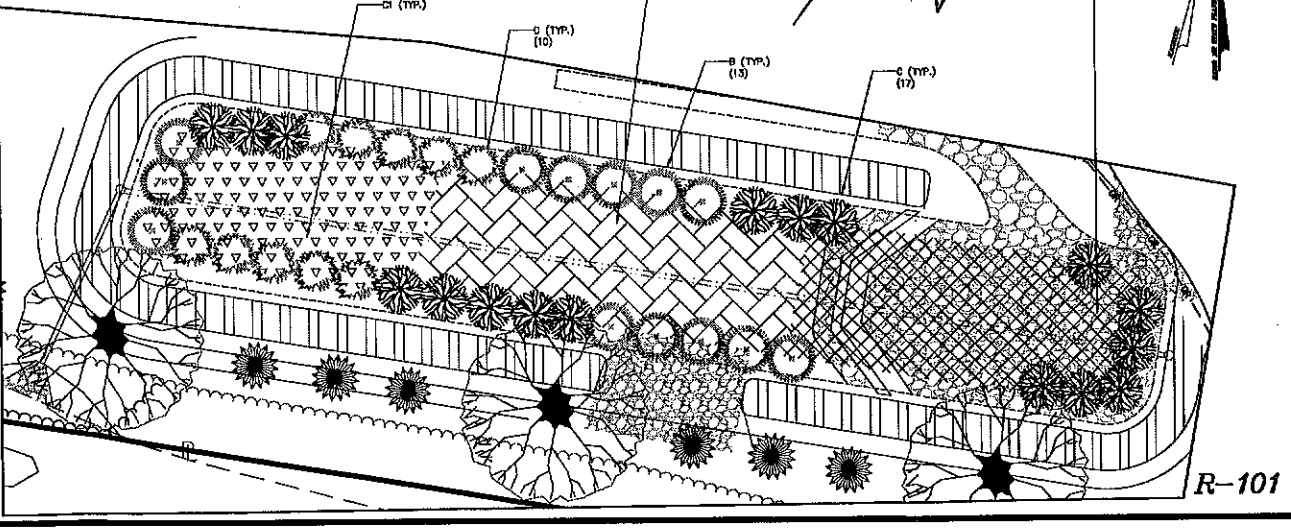


TREES AND SHRUBS

Sym.	Qty	Botanical Name / Common Name	Root	Size
B	13	<i>Pyrus calleryana</i> 'Chanticleer' / Chanticleer flowering pear	Cont.	2'-2.5' Collar, balled and burlapped
C	17	Father's gardenia / Dwarf Father's	Cont.	2' Ht. or 3 Gal.
D	10	<i>Ilex glabra</i> 'Nardo' / Nardo hollyberry	Cont.	2' Ht. or 3 Gal.

PERENNIALS & GROUND COVERS

Sym.	Qty	Botanical Name / Common Name	Root	Size	Remark
A1	50	Daylily Mix 1			
		<i>Hemerocallis</i> 'Chicago Apache' / Daylily	Cont.	1 Gal.	24" OC
		<i>Hemerocallis</i> 'Big Time Happy' / Daylily	Cont.	1 Gal.	24" OC
		<i>Hemerocallis</i> 'Sloam Double Classic' / Daylily	Cont.	1 Gal.	24" OC
B1	50	<i>Juncus effusus</i> / Common Rush	Plug	2-1/2"	24" OC
C1	50	<i>Rudbeckia fulgida</i> / Black-Eyed Susan	Cont.	2 Qt.	24" OC



REVISION	DATE	DESCRIPTION
#3	10-23-15	REVISIONS PER TOWN ENGINEER COMMENTS
#2	12-21-15	FINAL REVISIONS PER TOWN ENGINEER COMMENTS
#1	3-24-16	DRIVEWAY REVISIONS PER NHDOT COMMENTS

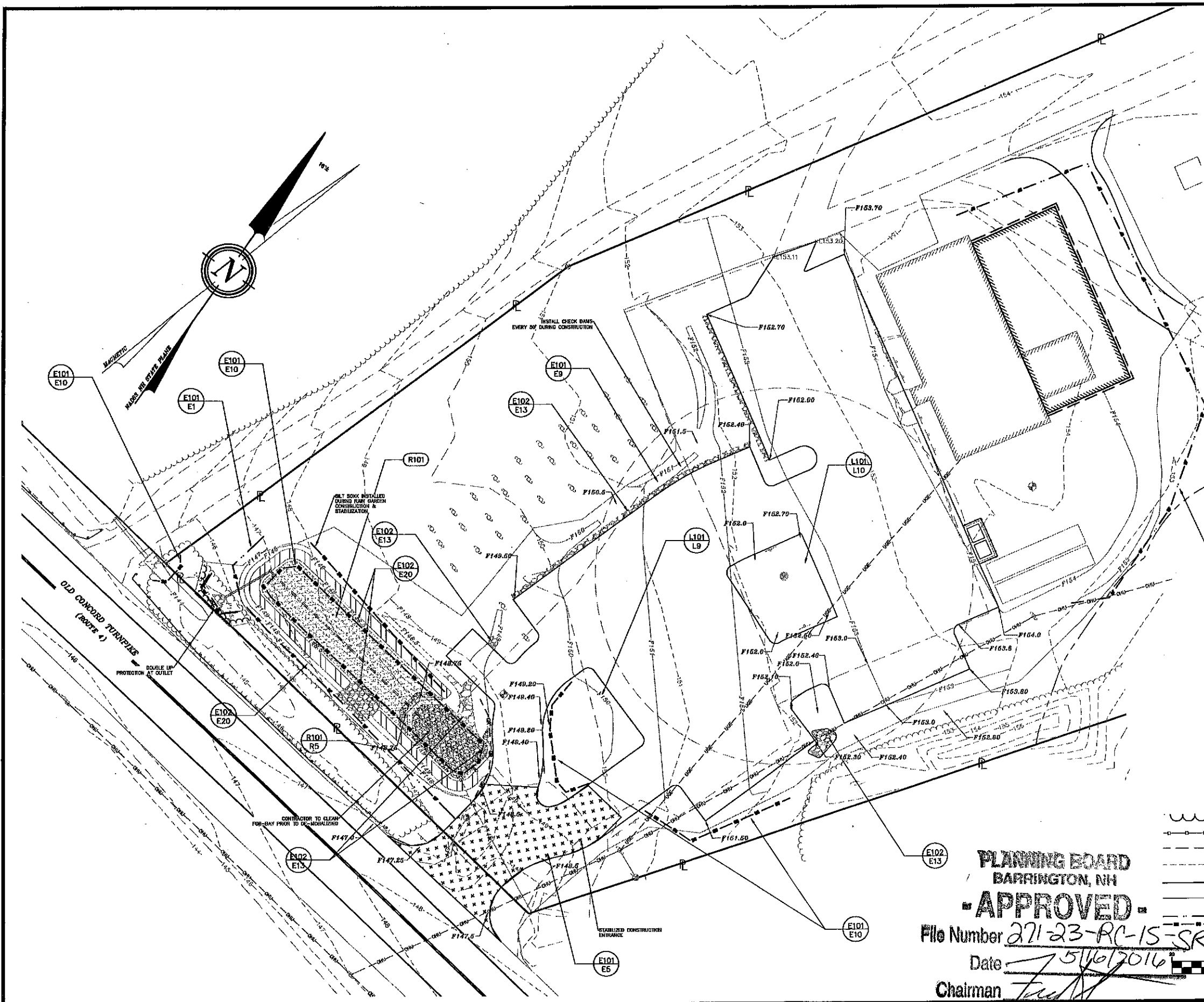
RAIN GARDEN #1 DETAIL FOR INT'L BROTHERHOOD OF ELECTRICAL WORKERS OLD CONCORD TURNPIKE (ROUTE 4) BARRINGTON, NH 03825 TAX MAP 271, LOT 23

PLANNING BOARD BARRINGTON, NH - APPROVED -
File Number 221-23-RC-15-SR
Date 5/16/2016
Chairman [Signature]

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 {332-2863}
SCALE: AS NOTED
DATE: SEPTEMBER 9, 2015
FILE NO.: DB 2014-129

STATE OF NEW HAMPSHIRE
KENNETH A. BERRY
No. 1481
PROFESSIONAL ENGINEER

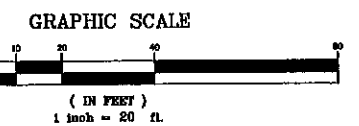
SHEET 6 OF 15



- NOTES:**
- 1.) OWNER: PROJECT ADDRESS: INTERNATIONAL BROTHERHOOD OF ELECTRICAL WORKERS
22 OLD CONCORD TURNPIKE
BARRINGTON, NH 03825
 - 2.) BARRINGTON TAX MAP 271, LOT 23
 - 3.) THE PURPOSE OF THIS PLAN IS TO DEMONSTRATE PROPER SEDIMENT AND EROSION CONTROL DURING CONSTRUCTION.
 - 4.) 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.
 - 5.) 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.
 - 6.) SEE DETAILS CONCERNING SITE LAYOUT, DRAINAGE, UTILITY AND SEDIMENT AND EROSION CONTROLS.
 - 7.) ALL DRAINAGE PIPE IS TO BE HDPE N-12 ASTM F2848. INDIVIDUAL PIPE SIZES ARE SPECIFIED.
 - 8.) 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.
 - 9.) UPON FINAL COMPLETION AND BERM STABILIZATION THE DRAINAGE SYSTEM IS TO BE CLEANED OF ALL DEBRIS.
 - 10.) ALL UNPAVED AREAS ARE TO RECEIVE 4" QUALITY LOAM AND SEED.
 - 11.) REFERENCE IS MADE TO THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) DATED 12/15/14. A COPY OF THE SWPPP IS TO BE MAINTAINED ON SITE AT ALL TIMES PER THE EPA CONSTRUCTION GENERAL PERMIT (CGP).
 - 12.) 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.
 - 13.) SILT FENCE MAY BE SUBSTITUTED WITH SILT SOXX OR EROSION CONTROL MIX BERM.
 - 14.) THE CONTRACTOR SHALL NOT COMPACT SOIL IN THE RAINFOREST AREAS.
 - 15.) PER EPA CGP 2.1.2.2 (INSTALL PERIMETER CONTROL). "YOU MUST INSTALL SEDIMENT CONTROLS ALONG THOSE PERIMETER AREAS OF YOUR SITE THAT WILL RECEIVE STORMWATER FROM EARTH DISTURBING ACTIVITIES." AS A RESULT OF SWPPP INSPECTIONS, THE CONTRACTOR MAY HAVE TO EXPAND PERIMETER CONTROLS TO MEET THIS REQUIREMENT.

- LEGEND:**
- 3/4" REBAR W/D CAP (TO BE SET)
 - IRON BOUND (FND)
 - GRANITE BOUND (FND)
 - STONE BOUND (FND)
 - UTILITY POLE
 - ⊕ BENCHMARK

- ~ TREE LINE, EXISTING OR PROPOSED
- - - - - PROPOSED STOCKADE FENCE
- - - - - EXISTING MAJOR CONTOUR
- - - - - EXISTING MINOR CONTOUR
- - - - - PROPOSED MAJOR CONTOUR
- - - - - PROPOSED MINOR CONTOUR
- - - - - SILT FENCE / EROSION MIX BERM
- - - - - FILTREXX 12" SILT SOXX



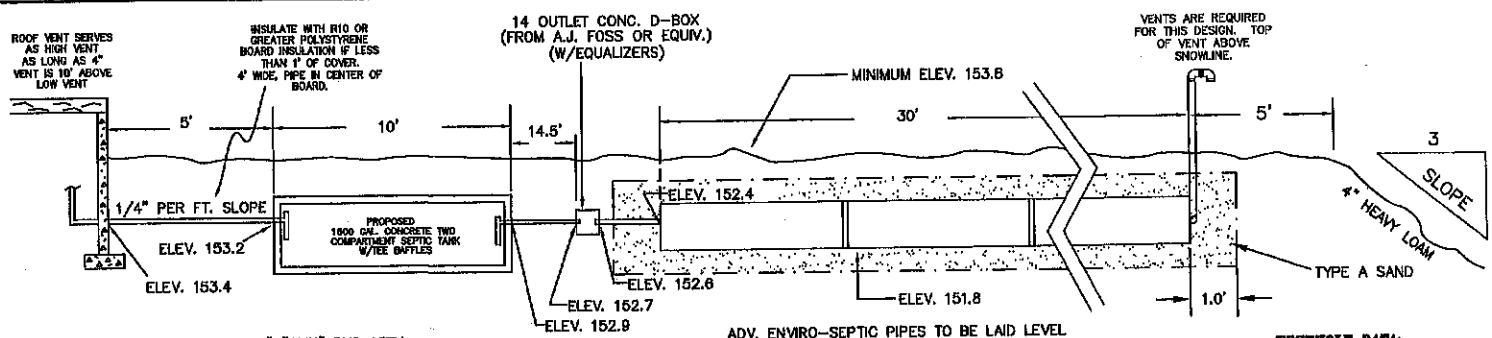
PLANNING BOARD
BARRINGTON, NH
- APPROVED -
File Number 271-23-RC-15-SR
Date 5/16/2016
Chairman [Signature]

REVISION	DATE	DESCRIPTION
#3	3-24-16	DRIVEWAY REVISIONS PER NHDOT COMMENTS
#2	12-21-15	FINAL REVISIONS PER TOWN ENGINEER COMMENTS
#1	10-23-15	REVISIONS PER TOWN ENGINEER COMMENTS

SEDIMENT & EROSION CONTROL PLAN
FOR
INT'L BROTHERHOOD OF ELECTRICAL WORKER
OLD CONCORD TURNPIKE (ROUTE 4)
BARRINGTON, NH 03825
TAX MAP 271, LOT 23

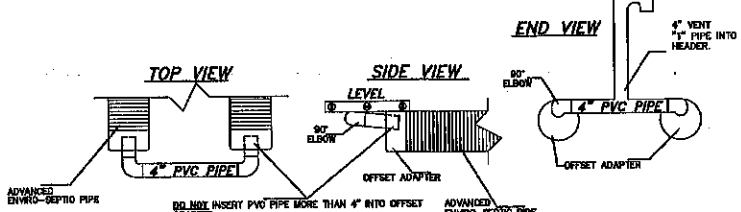
BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (532-2863)
SCALE : 1 IN. EQUALS 20 FT.
DATE : SEPTEMBER 9, 2015
FILE NO. : DB 2014-129

SHEET 7 OF 15



SOLID PLASTIC PIPE IS 4" O.D. PVC ASTM D-2728 B1 E 2141. CRUSH PROOF JOINTS OF PLASTIC PIPE AT BOTH THE HOUSE OUTLET AND THE SEPTIC TANK ARE TO BE CAULKED WITH PRESSURE RESISTANT CAULKING.

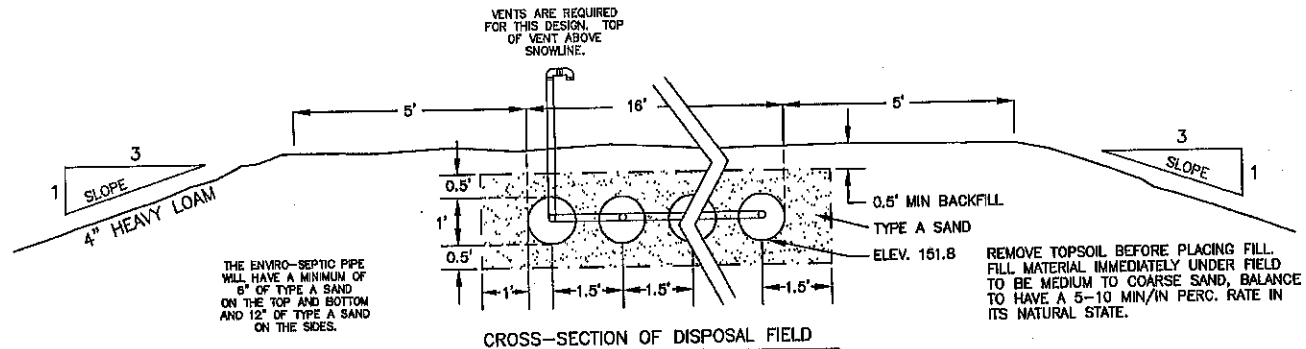
PROFILE OF SEPTIC SYSTEM



RAISED CONNECTION DETAIL (NOT TO SCALE)

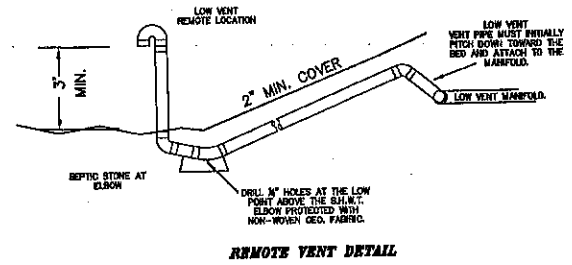
SOILS:
 ADB ~ ACTON VERY STONEY FINE SANDY LOAM, 0 TO 8 PERCENT SLOPES
 GsB ~ GLOUCESTER VERY STONY FINE SANDY LOAM, 3 TO 8 PERCENT SLOPES
 SsMB ~ SUTTON VERY STONY FINE SANDY LOAM, 0 TO 8 PERCENT SLOPES
 Ws ~ WHITMAN VERY STONY FINE SANDY LOAM
 WdA ~ WINDSOR LOAMY SAND, 0 TO 3 PERCENT SLOPES
 SEE WEBSOIL USDA-NRCS

TESTHOLE DATA:
 TEST HOLE
 0' - 1.0' 10YR 5/4 FINE SANDY LOAM, GRANULAR AND FRABLE
 1.0' - 4.0' 10YR 7/6 FINE SAND, GRANULAR AND SINGLE GRAIN
 4.0' - 5.0' 10YR 5/3 FINE SAND, GRANULAR FIRM IN HOLE
 S.H.W.T. 4.0'
 G.W. NO GROUNDWATER OBSERVED
 FINE ROOTS TO 1.5'
 PERC. RATE: 4 MIN/INCH



CROSS-SECTION OF DISPOSAL FIELD

- NOTES:**
- OWNER: INT'L BROTHERHOOD OF ELECTRICAL WORKERS
22 OLD CONCORD TURNPIKE
BARRINGTON, NH 03825
 - DESIGNER: KENNETH A. BERRY, PERMIT #125
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825
 - TAX MAP 271, LOT 23
 - LOT AREA: 219,154 Sq.Ft., 5.03 Ac.
 - S.C.R.D. BOOK 3552, PAGE 349
 - SUBDIVISION STATUS: OVER 5 Ac.
 - FOUNDATION DRAINS WILL START AT LEAST 15' FROM THE LEACH FIELD, AND AT LEAST 5' FROM THE SEPTIC TANK.
 - THERE IS NO SURFACE WATER OR VERY POORLY DRAINED SOILS WITHIN 75', OR POORLY DRAINED SOILS WITHIN 50' OF THE PROPOSED SEPTIC SYSTEM.
 - THIS DESIGN DOES NOT ALLOW FOR THE USE OF A GARBAGE GRINDER. IF A GRINDER IS TO BE INCORPORATED A LARGER SEPTIC TANK WILL BE REQUIRED.
 - THIS DESIGN DOES NOT ALLOW FOR THE ACCEPTANCE OF WATER TREATMENT BACKWASH. IF A WATER TREATMENT SYSTEM IS TO BE INCORPORATED A LARGER LEACHFIELD WILL BE REQUIRED.



REMOTE VENT DETAIL

CALCULATIONS:
 TRAINING SCHOOL - 60 STUDENTS - NO GYM, CAF., OR SHOWERS
 BUSINESS OFFICE - 4 EMPLOYEES
 TOTAL - 660 GPD
 USE 1800 GAL. TWO COMPARTMENT CONCRETE SEPTIC TANK (FROM A.J. FOSS OR EQUIV.) IN STOCK TANKS APPROVED FOR THIS DESIGN
 4 MIN/IN MEASURED PERC RATE
 4 MIN/IN DESIGN PERC RATE
 310.2' - MIN. LENGTH ADV. ENVIRO SEPTIC PIPE REQUIRED
 330' - PROPOSED LENGTH OF ADV. ENVIRO SEPTIC PIPE
 33 - TOTAL NUMBER OF 10' SECTIONS OF ADV. ENVIRO SEPTIC PIPE REQUIRED
 11 ROWS OF ADV. ENVIRO SEPTIC PIPE, EACH ROW 30' LONG

ELEVATIONS:
 153.8 - HIGH POINT OF LEACH BED
 149.8 - S.H.W.T.
 N/A - IMPERVIOUS LAYER
 151.8 - BOTTOM OF ADV. ENVIRO-SEPTIC PIPES

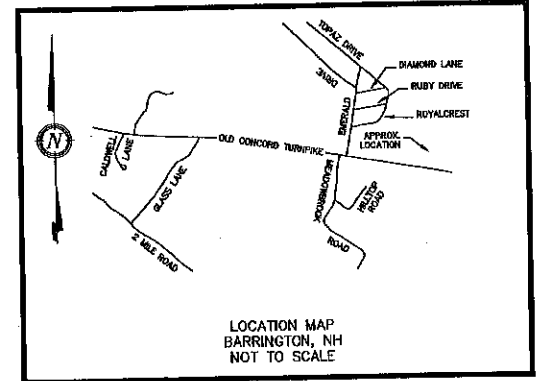
PLAN INTENT:
 THE SEPTIC SYSTEM IS TO BE CONSTRUCTED WITH THE BOTTOM OF THE LEACH BED 2.0' BELOW THE HIGH POINT OF THE EXISTING LAND.
 IN THE EVENT OF LEACH BED FAILURE, IT MAY BE RESULT IN PLACE WITH NHDES APPROVAL.

CAUTION!!!!
 ANY DEVIATION FROM THIS PLAN IN GRADE OR LOCATION OF THE SEPTIC SYSTEM WHEN CONSTRUCTED WITHOUT THE APPROVAL OF THE DESIGNER AND NH-DES SUBSURFACE SYSTEMS BUREAU MAY RESULT IN THE FAILURE OF THE SYSTEM TO PASS INSPECTION BY NH-DES SUBSURFACE SYSTEMS BUREAU PRIOR TO OPERATION APPROVAL, OR FUNCTION PROPERLY AND SAFELY.

PLANNING BOARD
 BARRINGTON, NH

APPROVED

File Number 271-23-RC-15-SR
 Date 5/16/2016



REVISION	DATE	DESCRIPTION
#3	3-24-16	DRIVEWAY REVISIONS PER NHDOT COMMENTS
#2	12-21-15	FINAL REVISIONS PER TOWN ENGINEER COMMENTS
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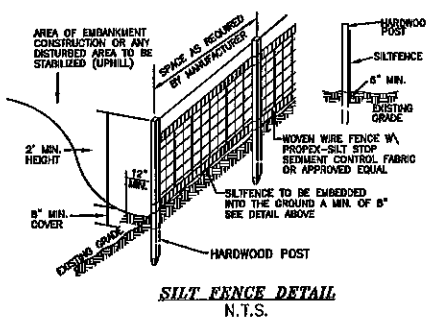
PROPOSED ADVANCED ENVIRO-SEPTIC SYSTEM FOR
 INT'L BROTHERHOOD OF ELECTRICAL WORKERS
 22 OLD CONCORD TURNPIKE (ROUTE 4)
 BARRINGTON, NH
 TAX MAP 271, LOT 23

NEW HAMPSHIRE
 Designer of Subsurface Disposal Systems
 Kenneth A. Berry
 No. 125
 BERRY SURVEYING & ENGINEERING
 335 SECOND CROWN POINT RD.
 BARRINGTON, N.H. 332-2863
 SCALE: 1 IN. EQUALS 20 FT.
 DATE: SEPTEMBER 9, 2015
 FILE NO.: DB 2014 - 129

REVIEWED AND APPROVED IN ACCORDANCE WITH THE REQUIREMENTS OF THE NH DEPT OF ENVIRONMENTAL SERVICES WATER DIVISION
 Date: 4/23/2016
 #CA2016042106

THE WETLAND DELINEATION WAS COMPLETED NOVEMBER, 2014 IN ACCORDANCE WITH THE 1987 CORP OF ENGINEERS WETLAND DELINEATION MANUAL. JURISDICTIONAL WETLANDS WERE IDENTIFIED AND DELINEATED USING THE ROUTINE DETERMINATIONS METHOD AS OUTLINED IN THE MANUAL. THE DELINEATION WAS DONE BY:
 KENNETH A. BERRY, NHDES SUBSURFACE SYSTEMS DESIGNER #125

Chairman

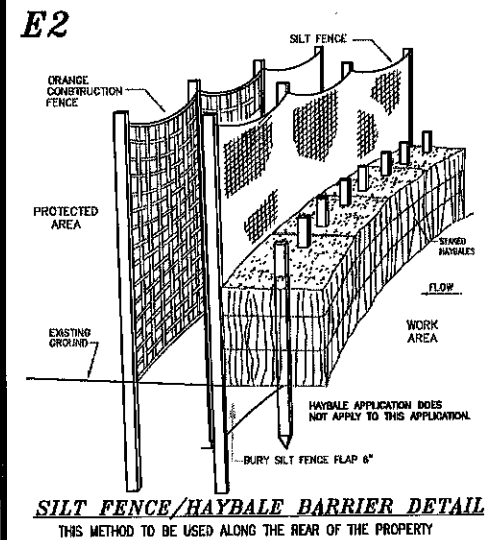


SILT FENCE CONSTRUCTION SPECIFICATIONS

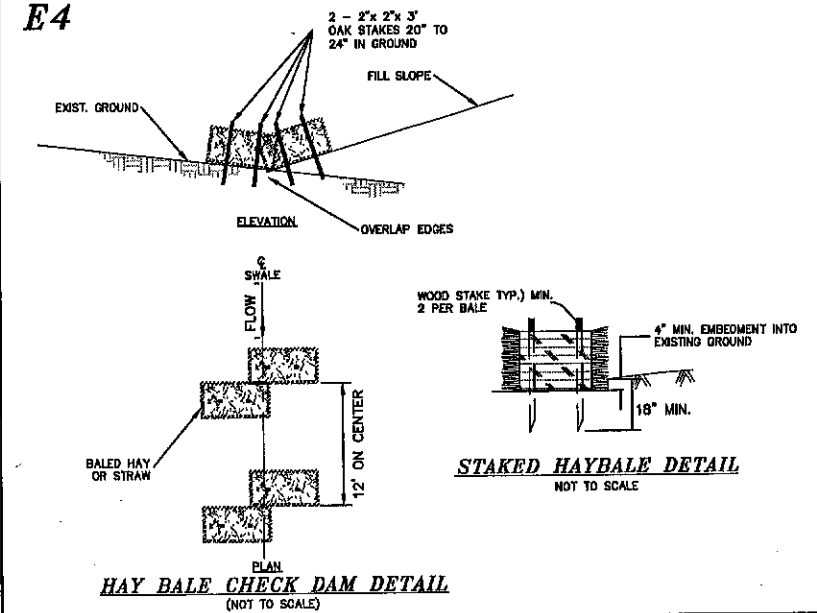
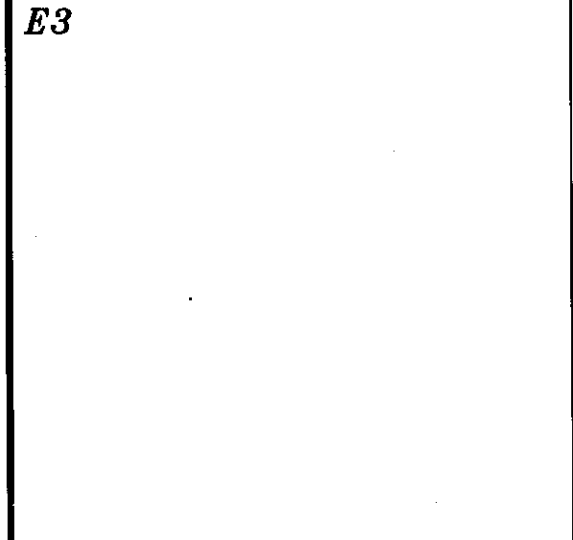
1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES AND FILTER CLOTH SHALL BE FASTENED TO WOVEN WIRE EVERY 24" AT TOP MID AND BOTTOM
2. SECTIONS TO BE EMBEDDED INTO GROUND A MINIMUM OF 8" THE FENCE POSTS SHALL BE A MINIMUM 48" LONG, SPACED A MAXIMUM 10' APART, AND DRIVEN A MINIMUM OF 18" INTO THE GROUND.
3. 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
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND SEDIMENT REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE AND PROPERLY DISPOSED OF
5. PLACE THE ENDS OF THE SILT FENCE UP CONTOUR TO PROVIDE FOR SEDIMENT STORAGE
6. SILT FENCES SHALL BE REMOVED WHEN NO LONGER NEEDED AND THE SEDIMENT COLLECTED SHALL BE DISPOSED AS DIRECTED BY THE ENGINEER. THE AREA DISTURBED BY THE REMOVAL SHALL BE SMOOTHED AND RE-VEGETATED

SILT FENCE MAINTENANCE

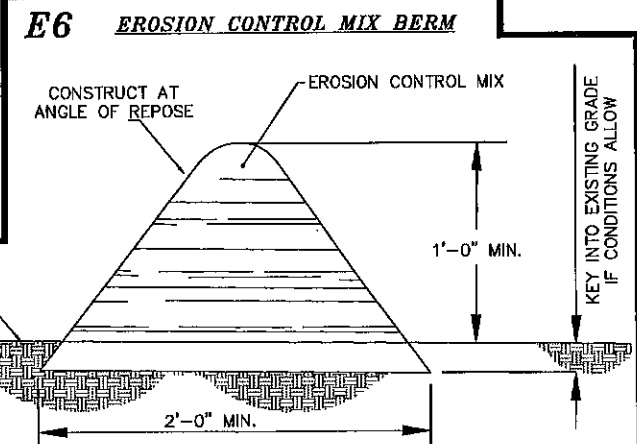
1. SILT FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REPAIRS THAT ARE REQUIRED SHALL BE MADE IMMEDIATELY IF THE FABRIC ON A SILT FENCE SHOULD DECOMPOSE OR BECOME INEFFECTIVE.
2. DURING THE EXPECTED LIFE OF THE FENCE, THE FABRIC SHALL BE REPLACED PROMPTLY.
3. SEDIMENT DEPOSITS SHOULD BE INSPECTED AFTER EVERY STORM EVENT. THE DEPOSITS SHOULD BE REMOVED WHEN THEY REACH APPROXIMATELY ONE HALF THE HEIGHT OF THE BARRIER.
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.



SILT FENCE/HAYBALE BARRIER DETAIL
THIS METHOD TO BE USED ALONG THE REAR OF THE PROPERTY

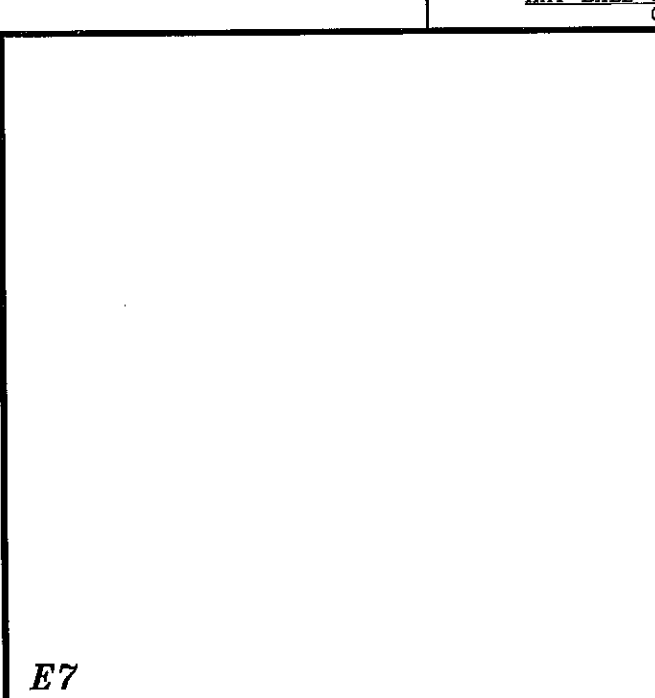


HAY BALE CHECK DAM DETAIL
(NOT TO SCALE)



EROSION CONTROL MIX BERMS SHALL BE USED ONLY AS FOLLOWS:

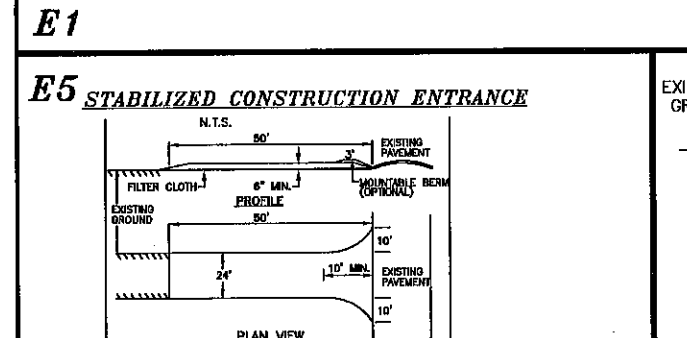
- (A) BERMS SHALL BE USED IN AREAS WHERE EROSION WILL OCCUR ONLY IN THE FORM OF SHEET EROSION AND THERE IS NO CONCENTRATION OF WATER IN A CHANNEL OR DRAINAGE WAY ABOVE THE BERM.
- (B) THE BERMS SHALL BE INSTALLED FOLLOWING THE CONTOUR OF THE LAND AS CLOSELY AS POSSIBLE.
- (C) THE BERMS SHALL BE INSTALLED ON SLOPES LESS THAN 6%.
- (D) 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 SHIPPED BARK, STUMP GRINDINGS, COMPOSTED BARK, OR EQUIVALENT MANUFACTURED PRODUCTS.
- (E) WOOD AND BARK CHIPS, GROUND CONSTRUCTION DEBRIS, OR REPROCESSED WOOD PRODUCTS SHALL NOT BE USED AS ORGANIC MATERIAL.
- (F) THE MIX SHALL NOT CONTAIN SILTS, CLAY, OR FINE SANDS.
- (G) 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.
- (H) THE MIX PH SHALL BE BETWEEN 5.0 AND 8.0.
- (I) THE BERM SHALL BE AT LEAST 12 INCHES HIGH AND AT LEAST 2 FEET WIDE.



FILTREXX SEDIMENT CONTROL
NOT TO SCALE

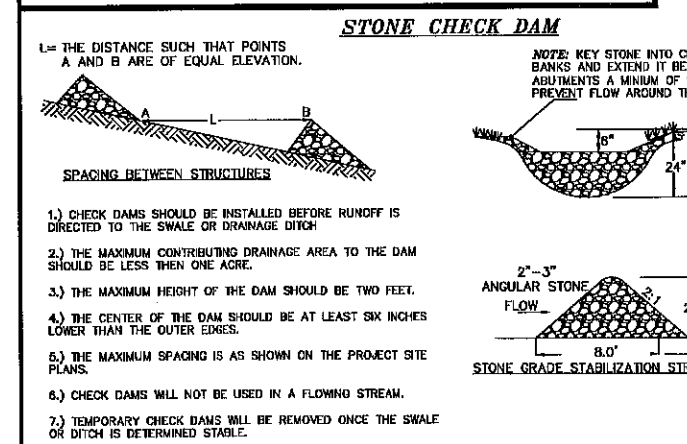
E8 TEMPORARY EROSION CONTROL MEASURES

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 E102)
- 3a. ALL DISTURBED AREAS WILL BE RESTABILIZED WITHIN 60 DAYS. AT ANY ONE TIME, NO MORE THAN 5 ACRES, (217,800 Sq. Ft.) WILL BE DISTURBED.
4. SILT FENCES AND STRAW OR HAY BALES 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.
5. AFTER ALL DISTURBED AREAS HAVE BEEN STABILIZED, THE TEMPORARY EROSION CONTROL MEASURES ARE TO BE REMOVED AND THE AREA DISTURBED BY THE REMOVAL SMOOTHED AND RE-VEGETATED
6. PER THE EPA REQUIREMENTS THERE WILL BE A LOG OF THE EROSION CONTROL INSPECTIONS EVERY 7-14 DAYS PLEASE FIND SWPPP PREPARED BY BS&E (AFTER LOCAL APPROVAL)
7. DITCHES, SWALES, AND BASINS SHALL BE STABILIZED PRIOR TO DIRECTING RUNOFF TO THEM.
8. ALL EROSION CONTROLS SHALL BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER 0.5" OR GREATER RAIN EVENT



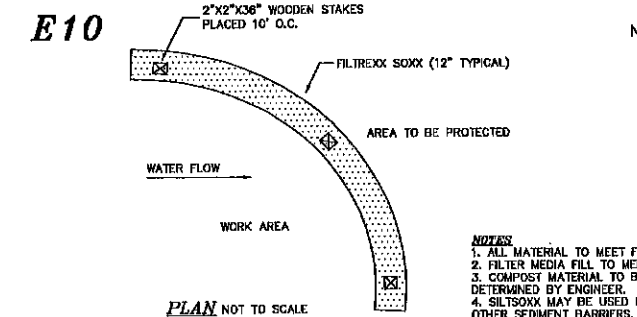
E5 STABILIZED CONSTRUCTION ENTRANCE

1. STONE FOR A STABILIZED CONSTRUCTION ENTRANCE SHALL BE 1 TO 2 INCH STONE, RECLAIMED STONE, OR RECYCLED CONCRETE EQUIVALENT.
2. THE LENGTH OF THE STABILIZED ENTRANCE SHALL NOT BE LESS THAN 50 FEET, EXCEPT FOR A SINGLE RESIDENTIAL LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY.
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 EGRESS OCCURS OR 10 FEET, WHICH EVER IS GREATER.
5. GEOTEXTILE FILTER CLOTH SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING THE STONE. FILTER CLOTH IS NOT REQUIRED FOR A SINGLE FAMILY RESIDENCE LOT.
6. ALL SURFACE WATER THAT IS FLOWING TO OR DIVERTED TOWARD THE CONSTRUCTION ENTRANCE SHALL BE PIPED BEHIND 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 SOILED, WASHED, OR TRACKED ONTO PUBLIC RIGHT-OF-WAY MUST BE REMOVED PROMPTLY.



STONE CHECK DAM

- 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.

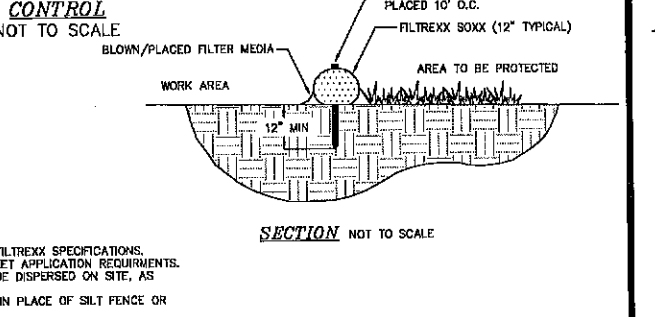


E10

FILTREXX SEDIMENT CONTROL
NOT TO SCALE

NOTES:

1. ALL MATERIAL TO MEET FILTREXX SPECIFICATIONS.
2. FILTREXX MEDIA FILL TO MEET APPLICATION REQUIREMENTS.
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 REQUIREMENTS OF THE SPECIFIC APPLICATION.
6. FILTREXX SOXX IS A REGISTERED TRADEMARK OF FILTREXX INTERNATIONAL, LLC.



E11

FILTREXX SEDIMENT CONTROL
NOT TO SCALE

NOTES:

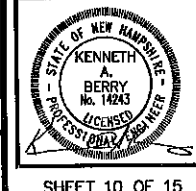
1. ALL MATERIAL TO MEET FILTREXX SPECIFICATIONS.
2. FILTREXX MEDIA FILL TO MEET APPLICATION REQUIREMENTS.
3. COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER.
4. SILTSOXX MAY BE USED IN PLACE OF SILT FENCE OR OTHER SEDIMENT BARRIERS.
5. SILTSOXX COMPOST/SOIL/ROCK/SEED FILL MATERIAL SHALL BE ADJUSTED AS NECESSARY TO MEET THE REQUIREMENTS OF THE SPECIFIC APPLICATION.
6. FILTREXX SOXX IS A REGISTERED TRADEMARK OF FILTREXX INTERNATIONAL, LLC.

REVISION	DATE	DESCRIPTION
#3	3-24-16	DRIVEWAY REVISIONS PER NHDOT COMMENTS
#2	12-21-15	FINAL REVISIONS PER TOWN ENGINEER COMMENTS
#1	10-23-15	REVISIONS PER TOWN ENGINEER COMMENTS

SEDIMENT AND EROSION CONTROL DETAILS
LAND OF
INT'L BROTHERHOOD OF ELECTRICAL WORKERS
22 OLD CONCORD TURNPIKE (ROUTE 4)
BARRINGTON, NH 03825
TAX MAP 277, LOT 23

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (332-2863)
SCALE: AS MARKED
DATE: SEPTEMBER 9, 2015
FILE NO.: DB 2014-129

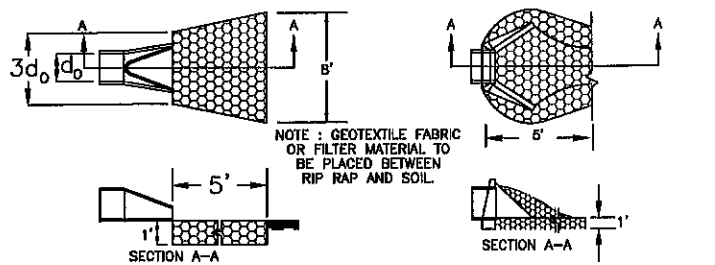
PLANNING BOARD
BARRINGTON, NH
- APPROVED -
File Number 271-23-RC-15-SR
Date 5/19/2016
Chairman [Signature]



E12

E13

PIPE OUTLET PROTECTION



PIPE OUTLET TO FLAT AREA WITH NO DEFINED CHANNEL and 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 OR RIP RAP SHALL CONFORM TO MHDOT SECTION 683.
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.

E14

TABLE 7-24—RECOMMENDED RIP RAP GRADATION RANGES. Table with columns for #50 SIZE, FEET, INCHES, % OF WEIGHT SMALLER THAN THE GIVEN #50 SIZE, and SIZE OF STONE (INCHES) FROM TO.

E16

NOTE: Temporary seed mix for stabilization of turf shall be winter type or rate of a rate of 2.5 lbs. per 1000 sq. ft. 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 table with columns for USE, SEEDING MIXTURE, BROADCAST, WELL DROWNED, MODERATELY WELL DROWNED, POORLY DROWNED.

SEEDING RATES table with columns for MEASURE, POUNDS PER ACRE, POUNDS PER 1,000 S.F.

CONSERVATION MIX table with columns for MIXTURE, POUNDS PER ACRE, POUNDS PER 1,000 S.F.

WINTER STABILIZATION NOTES

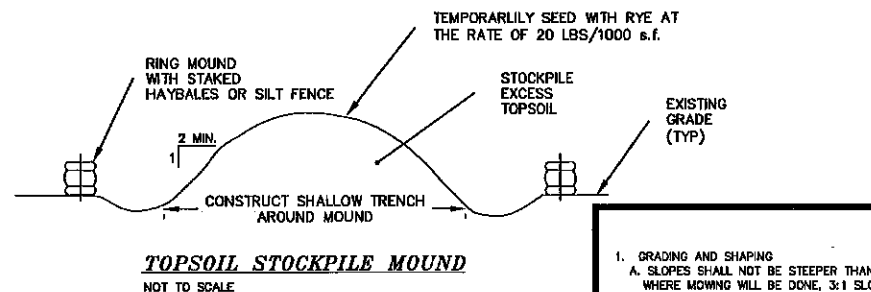
- 1. ALL DISTURBED AREAS THAT DO NOT HAVE AT LEAST 85% VEGETATIVE COVERAGE PRIOR TO OCTOBER 15TH, SHALL BE STABILIZED BY APPLYING MULCH AT A RATE OF 3-4 TONS PER ACRE. ALL SIDE SLOPES, STEEPER THAN 4:1, THAT ARE NOT DIRECTED TO SWALES OR DETENTION BASINS, SHALL BE LINED WITH BIODEGRADABLE/PHOTODEGRADABLE "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 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 15-25% PASSING THE #200 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.

E17

DEFINITION OF STABLE:

- 1. WHEN A BASE COURSE GRAVEL HAS BEEN INSTALLED IN AN AREA TO BE PAVED
2. WHEN A MINIMUM OF 85% VEGETATIVE GROWTH OCCURS
3. WHEN A MINIMUM OF 3" OF NON-EROSIVE MATERIAL, SUCH AS STONE OR RIP-RAP HAS BEEN INSTALLED.
4. WHEN PROPER EROSION CONTROL BLANKETS, SUCH AS CURLEX II, C350 OR OTHER DOT APPROVED MATTING, HAS BEEN INSTALLED PROPERLY
5. HAY MULCH OR OTHER APPROVED METHODS SHALL BE USED TO CONTROL EROSION OF NEWLY GRADED AREAS. ALL CUT AND FILL SLOPES SHALL BE SEED AND MULCHED WITHIN 72 HOURS AFTER THEIR CONSTRUCTION.

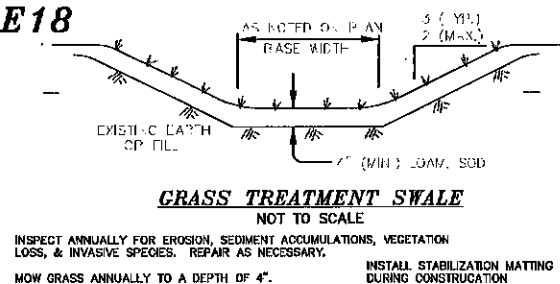
E15



TOPSOIL STOCKPILE MOUND NOT TO SCALE

- 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 600LBS. PER ACRE OF 10-20-20 FERTILIZER OR 1,000LBS. PER ACRE OF 5-10-10.)

E18



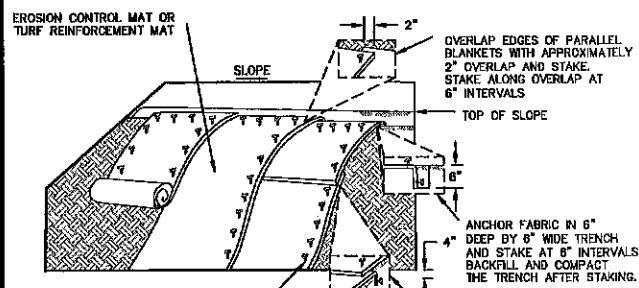
GRASS TREATMENT SWALE NOT TO SCALE

INSPECT ANNUALLY FOR EROSION, SEDIMENT ACCUMULATIONS, VEGETATION LOSS, & INVASIVE SPECIES. REPAIR AS NECESSARY. MOW GRASS ANNUALLY TO A DEPTH OF 4".

SEEDING SPECIFICATIONS

- 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(E-E) THIS SHEET FOR APPROPRIATE SEED MIXTURES AND TABLE(H-H) THIS SHEET FOR RATES OF SEEDING. ALL LEGUMES (CROWNFETCH, BIRDSFOOT TREFLOIL, AND FLATPEA) MUST BE INOCULATED WITH THEIR SPECIFIC INOCULANT.
D. WHEN SEEDING AREAS ARE MULCHED, PLANTINGS MAY BE MADE FROM EARLY SPRING TO EARLY OCTOBER. WHEN SEEDING 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.

E20



INSTALLATION OF EROSION CONTROL FABRICS NOT TO SCALE

INSTALLATION OF EROSION CONTROL FABRICS

CONSTRUCTION SEQUENCE:

- 1.) CUT AND REMOVE TREES IN CONSTRUCTION AREA ONLY AS REQUIRED
2.) CONSTRUCT AND/OR INSTALL TEMPORARY AND PERMANENT SEDIMENT EROSION AND DETENTION CONTROL FACILITIES AS REQUIRED.
3.) EROSION, SEDIMENT AND DETENTION CONTROL FACILITY SHALL BE INSTALLED & STABILIZED PRIOR TO ANY EARTH MOVING OPERATION & OR DIRECTING RUNOFF TO THEM.
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 AFTER GRADING.
7.) INSTALL PIPE AND CONSTRUCTION ASSOCIATED APPURTENANCES AS REQUIRED OR DIRECTED. INSTALL RAIN GARDENS. ALL DISTURBED AREAS SHALL STABILIZED IMMEDIATELY AFTER GRADING.
8.) BEGIN PERMANENT AND TEMPORARY SEEDING AND MULCHING. ALL CUT AND FILL SLOPES AND DISTURBED AREAS SHALL BE SEED OR MULCHED AS REQUIRED, OR DIRECTED. NO AREA IS ALLOWED TO BE DISTURBED FOR A PERIOD OF MORE THAN 60 DAYS THAT EXCEEDS 80 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.
9.) CONSTRUCT TEMPORARY BERMS, DRAINS DITCHES, SILT FENCES, SEDIMENT TRAPS, ETC. MULCH AND SEED AS REQUIRED.
10.) INSPECT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES DURING CONSTRUCTION
11.) COMPLETE PERMANENT SEEDING AND LANDSCAPING.
12.) REMOVE TEMPORARY EROSION CONTROL MEASURES AFTER SEEDING AREAS HAVE ESTABLISHED THEMSELVES AND SITE IMPROVEMENTS ARE COMPLETE.
13.) SMOOTH AND REVEGETATE ALL DISTURBED AREAS.
14.) FINISH PAVING ALL ROADWAYS

E22

E21

PLANNING BOARD BARRINGTON, NH

APPROVED

Number 271-23-RC-15-58

Date 5/14/2016

Chairman



E-102

Table with columns for REVISION #, DATE, and DESCRIPTION.

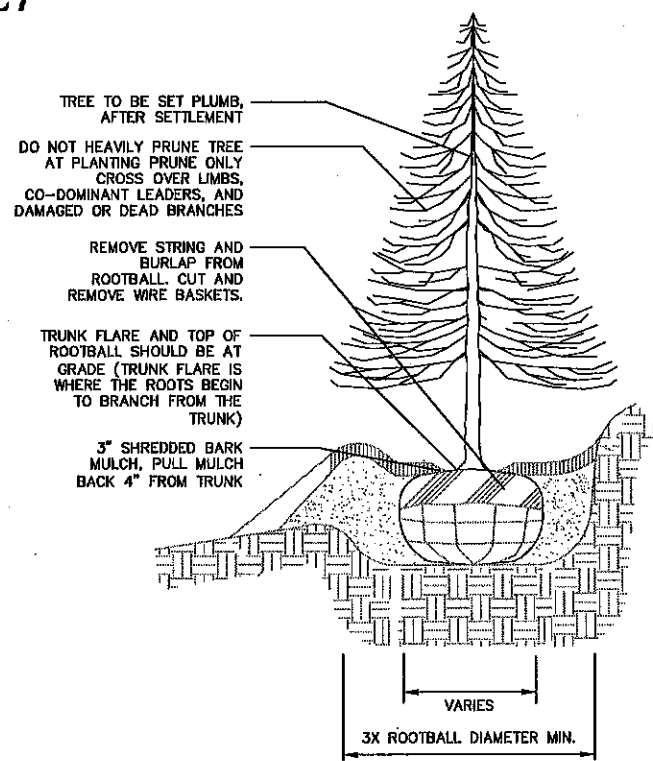
SEDIMENT AND EROSION CONTROL DETAILS INT'L BROTHERHOOD OF ELECTRICAL WORKERS 22 OLD CONCORD TURNPIKE (ROUTE 4) BARRINGTON, NH 03825 TAX MAP 271, LOT 23

BERRY SURVEYING & ENGINEERING 335 SECOND CROWN POINT ROAD BARRINGTON, NH 03825 (352-2865) SCALE: AS MARKED DATE: SEPTEMBER 9, 2015 FILE NO.: DB 2014-129

E19

SLOPE STABILIZATION DETAIL NOT TO SCALE

L1

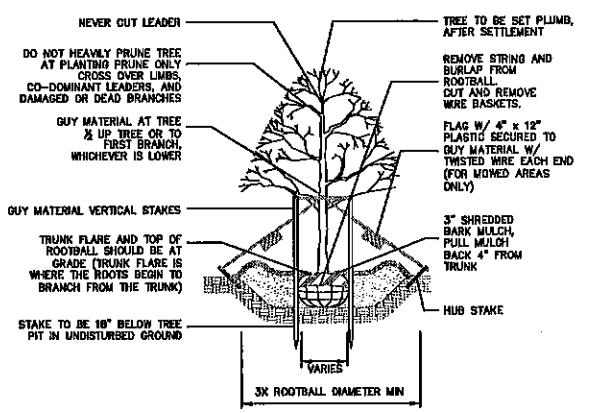


EVERGREEN TREE PLANTING

NOTES:

- DO NOT STAKE EVERGREEN TREES.
- LOAM FOR BACKFILLING SHALL BE AMENDED AS REQUIRED BY LANDSCAPE ARCHITECT.
- TAMP BACKFILL SOIL AROUND ROOTBALL FIRMLY TO MINIMIZE ROOTBALL SHIFT.

L2

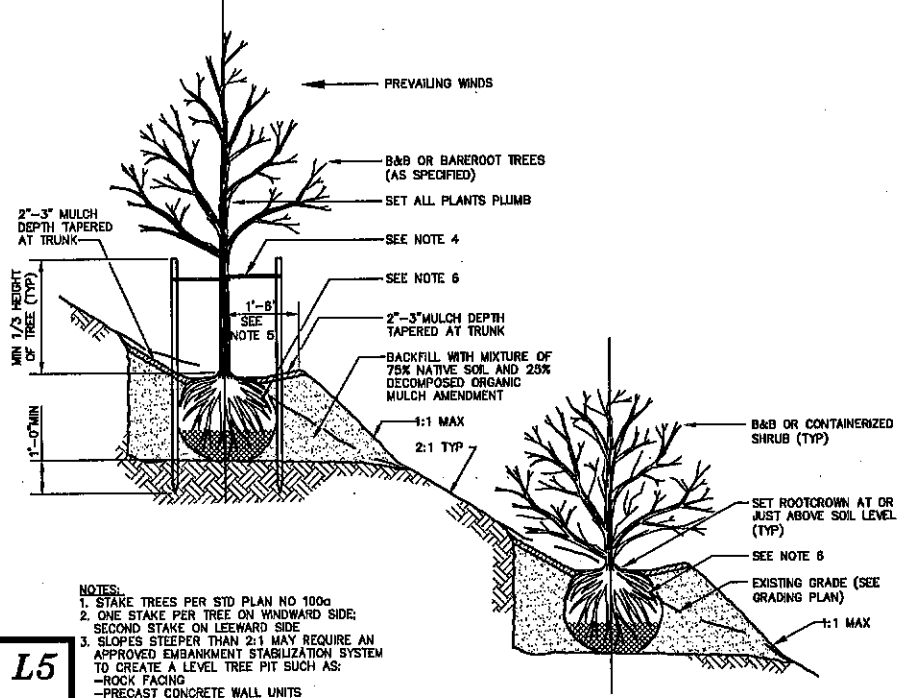


DECIDUOUS TREE PLANTING

NOTES:

- GUYING AND STAKING TO BE DETERMINED IN THE FIELD BY THE LANDSCAPE ARCHITECT. LOCAL FIELD CONDITIONS AS WELL AS PLANT CHARACTERISTICS WILL DETERMINE THE NECESSITY OF GUYING AND STAKING.
- TYPICALLY ONLY TREES WITH A 3" OR GREATER CALIPER NEED TO BE STAKED. TREES WITH LESS THAN A 3" CALIPER NEED TO BE STAKED ONLY AS REQUIRED BY LANDSCAPE ARCHITECT.
- ONLY WRAP TREE TRUNKS AS REQUIRED BY LANDSCAPE ARCHITECT.
- TREE SHALL BE SET PLUMB, AFTER SETTLEMENT.
- LOAM FOR BACKFILLING SHALL BE AMENDED AS REQUIRED BY LANDSCAPE ARCHITECT.
- CITY TREES PLANTED ON PRIVATE PROPERTY, ADJACENT TO A PUBLIC RIGHT-OF-WAY, NEED TO BE PLANTED A MINIMUM OF 5 FEET FROM THE EDGE OF THE CITY SIDEWALK.

L3

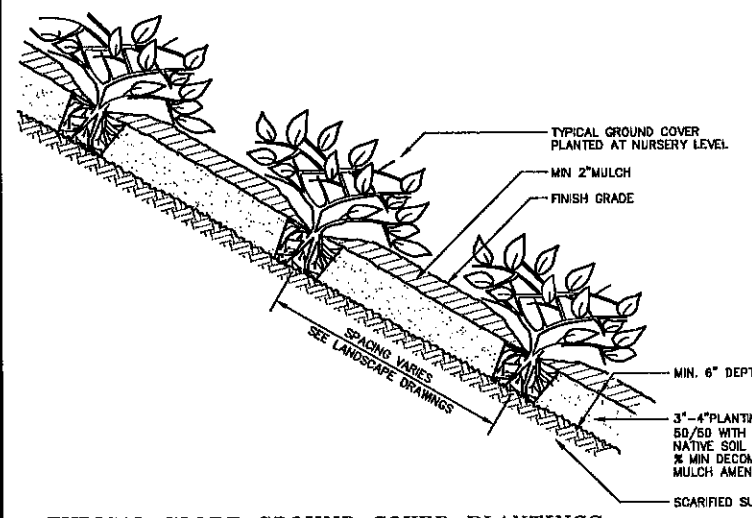


TREE PLANTING ON SLOPES

NOTES:

- STAKE TREES PER STD PLAN NO 100g
- ONE STAKE PER TREE ON WINDWARD SIDE; SECOND STAKE ON LEeward SIDE
- 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
- CHAINLOCK TREE TIE LOOP EACH TIE AROUND TREE LOOSELY TO PROVIDE 1" SLACK FOR DIAMETER GROWTH.
- SHAPE SOIL TO PROVIDE 3" DIAMETER OR ROOTBALL DIAMETER, WHICHEVER IS GREATER, WATERING RING.
- REMOVE ALL WIRE AND STRING. REMOVE TOP 2/3 OF BURLAP.

L5



TYPICAL SLOPE GROUND COVER PLANTINGS

L11

PLANNING BOARD
BARRINGTON, NH

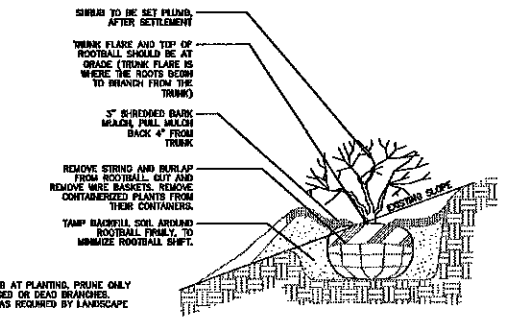
APPROVED

File Number 271-23-RC-15-SR

Date 5/16/2016

Chairman [Signature]

L4



TYPICAL SHRUB PLANTING

NOTE:

- DO NOT HEAVILY PRUNE SHRUB AT PLANTING. PRUNE ONLY CROSSOVER LIMBS AND DAMAGED OR DEAD BRANCHES.
- BACKFILL WITH LOAM, AMENDED AS REQUIRED BY LANDSCAPE ARCHITECT.
- SHRUBS & BUSHES PLANTED ADJACENT TO CITY SIDEWALKS NEED TO BE PLACED SO THE PLANTS AT THEIR MATURE HEIGHT & WIDTH WILL NOT ENDOURCH INTO THE CITY SIDEWALK.

TYPICAL PERENNIAL PLANTING

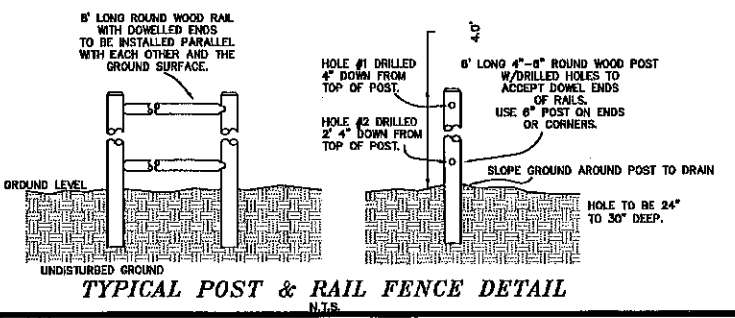
12" LOAM BACKFILL (CONTINUOUS THROUGHOUT AREA)

3" DEEP SHREDDED BARK MULCH

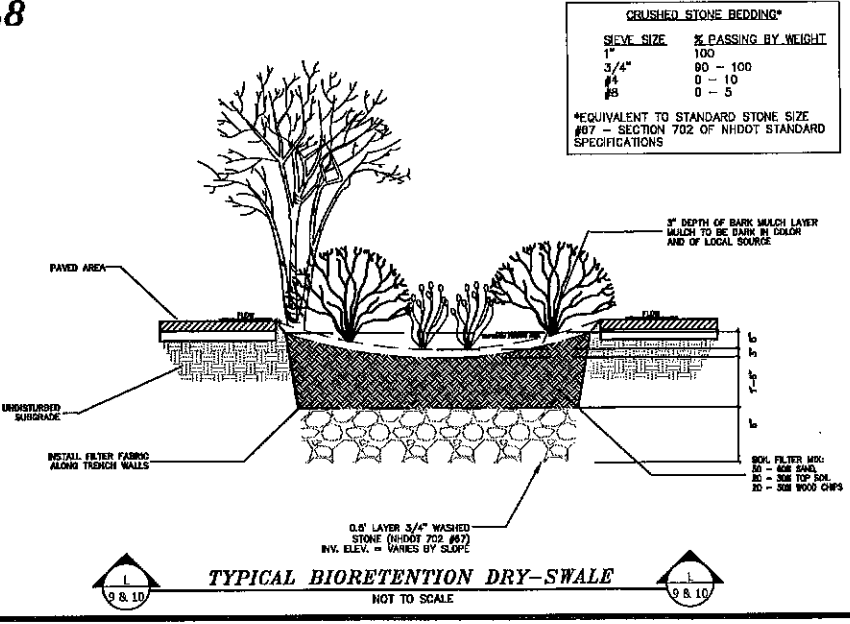
TYPICAL BED PLANT SPACING

NOTE: D = DIMENSION OF PLANT SPACING (SHRUBS OR GROUNDCOVER AS INDICATED ON PLANS)

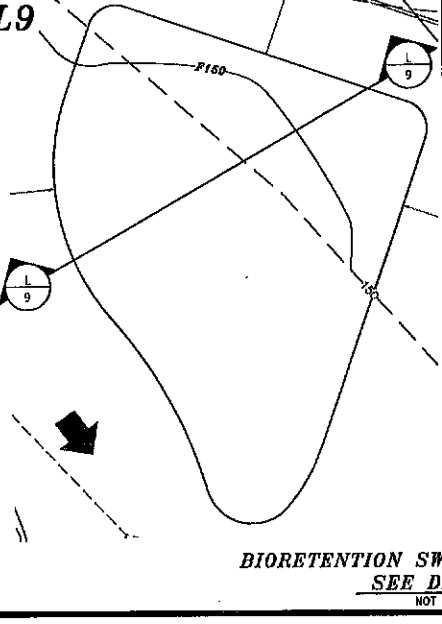
L7



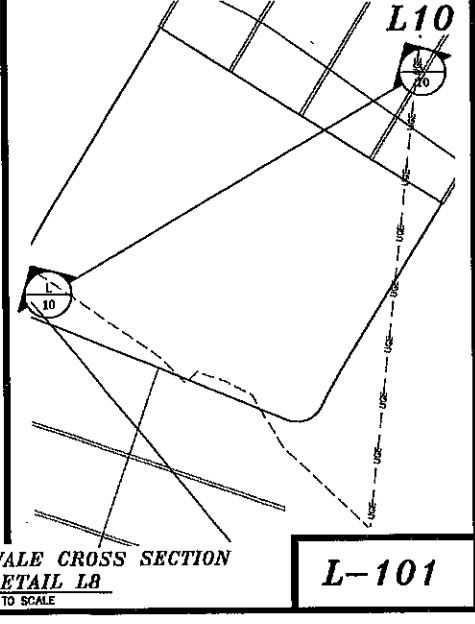
L8



L9



L10



L-101

REVISION	DATE	DESCRIPTION
#3	3-24-16	DRIVEWAY REVISIONS PER NHDOT COMMENTS
#2	12-21-15	FINAL REVISIONS PER TOWN ENGINEER COMMENTS
#1	10-23-15	REVISIONS PER TOWN ENGINEER COMMENTS

LANDSCAPING DETAILS

LAND OF

INT'L BROTHERHOOD OF ELECTRICAL WORKERS

22 OLD CONCORD TURNPIKE (ROUTE 4)

BARRINGTON, NH 03825

TAX MAP 271, LOT 23

BERRY SURVEYING & ENGINEERING

335 SECOND CROWN POINT ROAD

BARRINGTON, NH 03825 (332-2863)

SCALE : AS MARKED

DATE : SEPTEMBER 9, 2015

FILE NO. : DB 2014-129

SHEET 15 OF 15

KENNETH A. BERRY
No. 16643
LICENSED PROFESSIONAL SURVEYOR