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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.

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

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

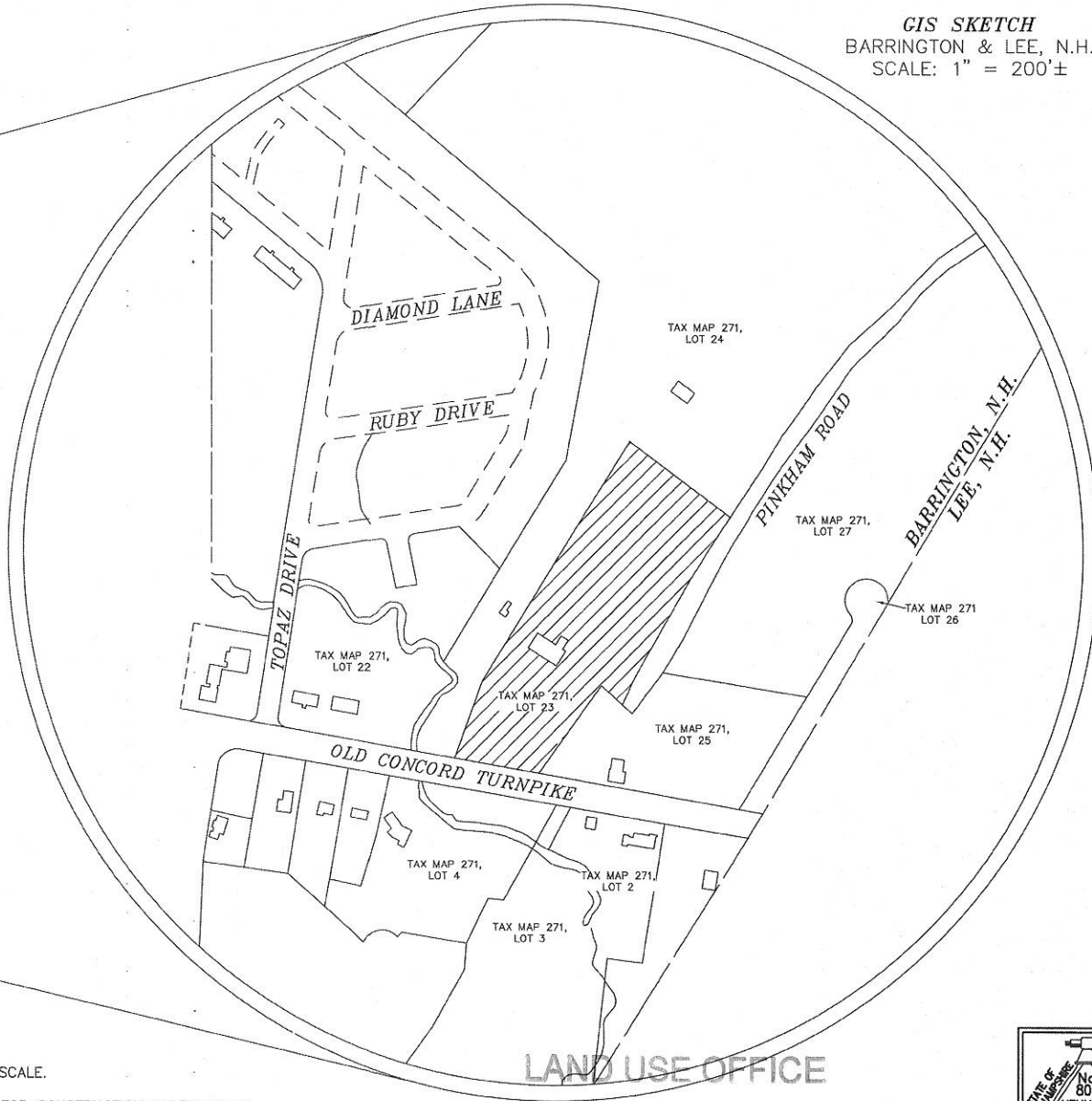
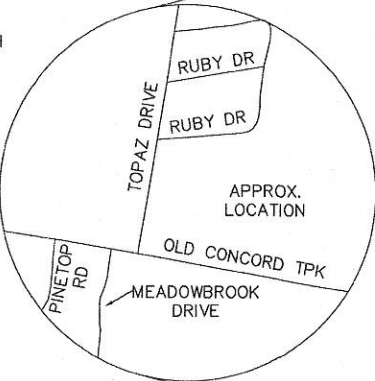
SIGNATURE

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



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REQUIRED PERMITS:

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

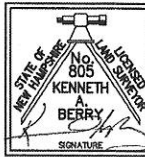
GENERAL PLAN SET NOTES:

- 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.

REVISION	DATE	DESCRIPTION

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

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 5/4 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
--- ROW LINE
--- ABUTTING 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

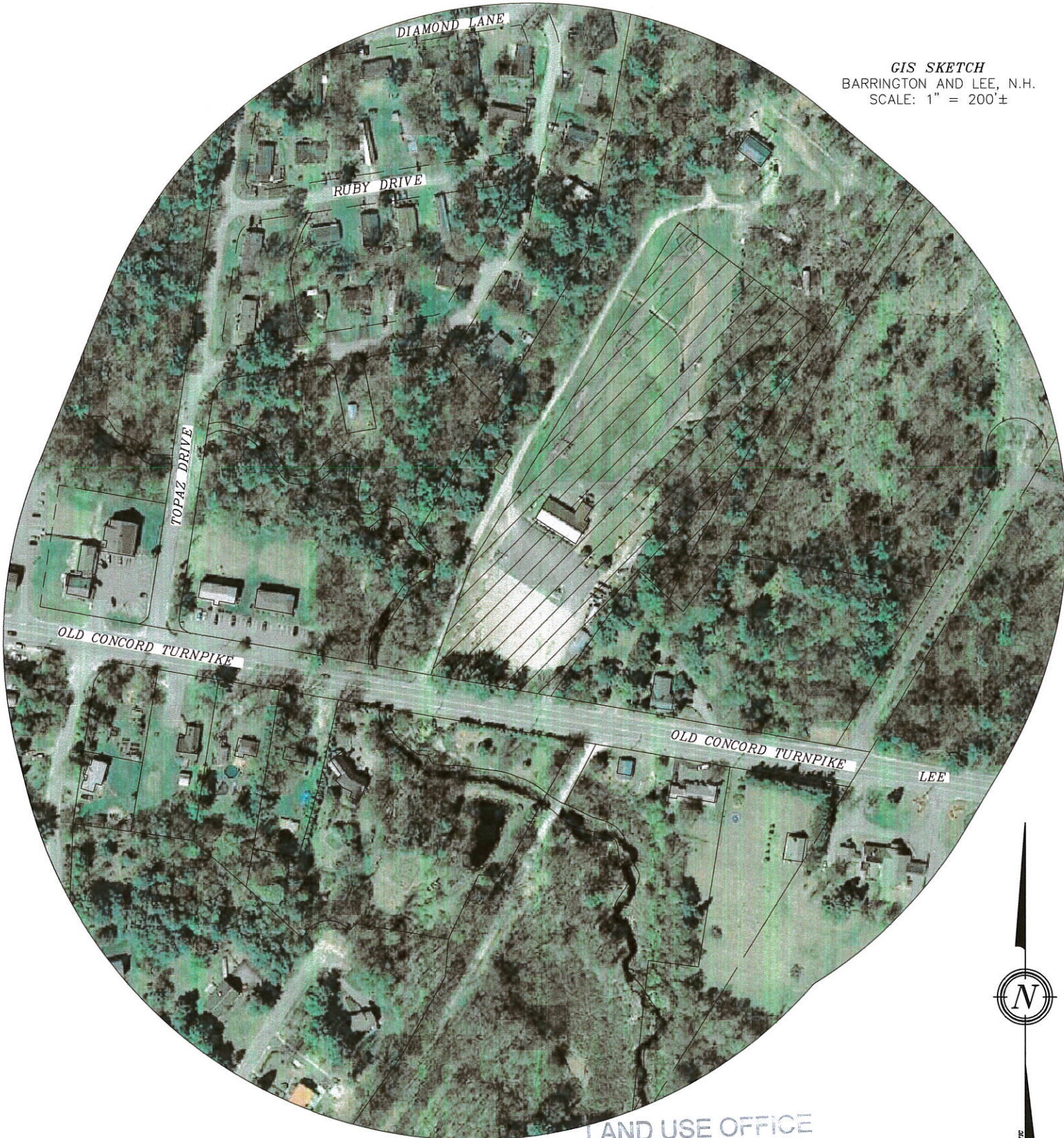
--- EXISTING SECTOR CABINET AND
ELECTRIC MANHOLE

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)

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 ANY TIME	SEE STANDARD HIGHWAY SIGNS 2004 EDITION PUBLISHED BY USDOT - FHWA	2	WHITE	RED	RED	U-CHANNEL (2)
R7-8	12"x18"	RESERVED PARKING	SEE STANDARD HIGHWAY SIGNS 2004 EDITION PUBLISHED BY USDOT - FHWA	2	WHITE	GREEN W/ WHITE SYMBOL ON BLUE	RED	U-CHANNEL (2)
N/A	12"x18"	NO PARKING FIRE LANE	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"	ONE WAY	SEE STANDARD HIGHWAY SIGNS 2004 EDITION PUBLISHED BY USDOT - FHWA	1	BLACK W/ WHITE ARROW	BLACK	WHITE	U-CHANNEL (1)

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



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REVISION	DATE	DESCRIPTION

1500' NEIGHBORHOOD PLAN
FOR OF ELECTRICAL
WORKERS LOCAL TO
22 OLD CONCORD TURNPIKE (ROUTE 4)
BARRINGTON, N.H.
TAX MAP 271, LOT 23

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



SHEET 1 OF 16

SOILS:

ADB ~ ACTON VERY STONEY FINE SANDY LOAM, 0 TO 8 PERCENT SLOPES
 GsB ~ GLOUCESTER VERY STONEY FINE SANDY LOAM, 3 TO 8 PERCENT SLOPES
 SuB ~ SUTTON VERY STONEY FINE SANDY LOAM, 0 TO 8 PERCENT SLOPES
 Wa ~ WHITMAN VERY STONEY FINE SANDY LOAM, 0 TO 3 PERCENT SLOPES
 WdA ~ WINDSOR LOAMY SAND, 0 TO 3 PERCENT SLOPES

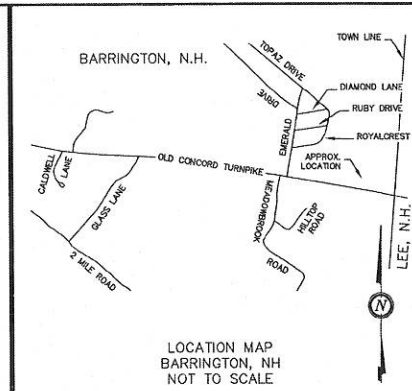
SEE WEBSOIL USDA-NRCS

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 #163
 38 GARLAND ROAD, STRAFFORD, NH 03864

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, 2006 S.C.R.D.: PLAN # 88-37
- 2.) "A SURVEY AND PLAT OF A SUBDIVISION PREPARED FOR NICHOLAS P. & KATHOUKI CHAKOUDIS 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 #33A-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# 33017C02950, DATED: MAY 17, 2005.
- 7.) VERTICAL DATUM BASED ON NAVD88 ELEVATIONS. COORDINATES GATHERED USING TOPCON HIPER SR SURVEY GRADE GPS.
- 8.) EXISTING IMPERVIOUS AREA = 61,766 Sq.Ft. 28.1%
- 9.) ALL ABUTTING PROPERTIES ARE IN THE REGIONAL COMMERCIAL ZONE.

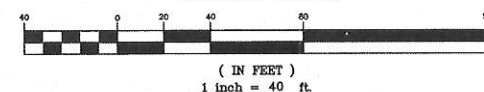
ZONING:

ZONE: REGIONAL COMMERCIAL
 MIN. LOT SIZE: 40,000 Sq. Ft.
 MIN. FRONTAGE: 200'
 FRONT SETBACK: 75'
 SIDE SETBACK: 30'
 REAR SETBACK: 30'
 OPEN SPACE: 50%
 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



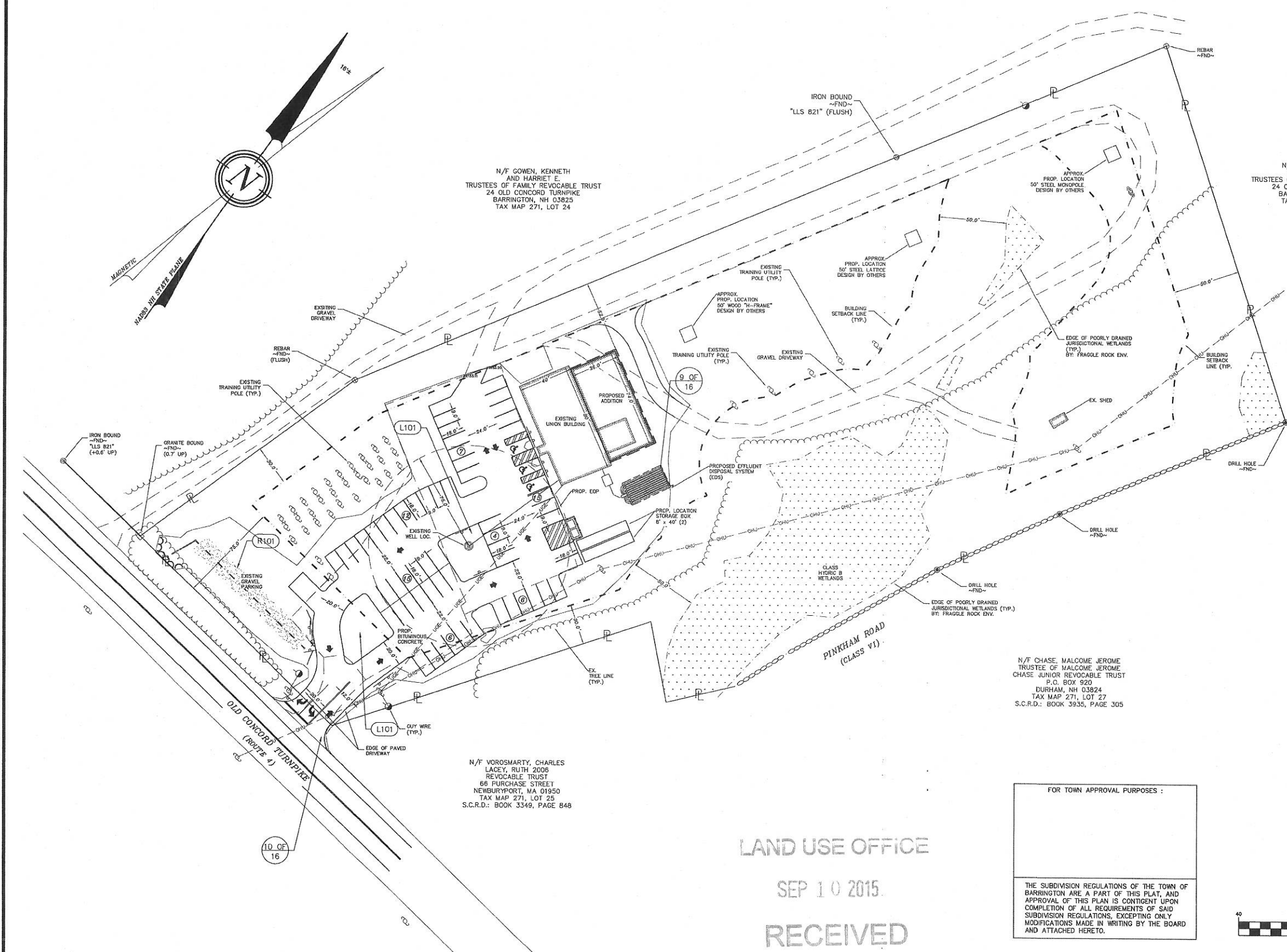
REVISION	DATE	DESCRIPTION
		EXISTING CONDITIONS FOR INT'L BROTHERHOOD OF ELECTRICAL WORKERS 22 OLD CONCORD TURNPIKE (ROUTE 4) BARRINGTON, NH TAX MAP 271, LOT 23
		BERRY SURVEYING & ENGINEERING 335 SECOND CROWN POINT RD. BARRINGTON, N.H. 332-2863
		SCALE : 1 IN. EQUALS 40 FT.
		DATE : SEPTEMBER 9, 2015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

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 -
 KENNETH A. BERRY RLS 805 DATE 9-9-15

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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
19 SPACES REQUIRED
62 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

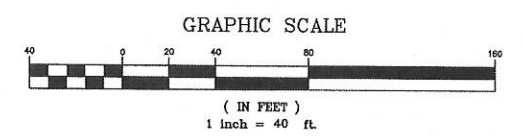
N/F CHASE, MALCOLME JEROME
TRUSTEE OF MALCOLME JEROME
CHASE JUNIOR REVOCABLE TRUST
P.O. BOX 920
DURHAM, NH 03824
TAX MAP 271, LOT 27
S.C.R.D.: BOOK 3935, PAGE 305

N/F VOROSMARTY, CHARLES
LACEY, RUTH 2008
REVOCABLE TRUST
66 PURCHASE STREET
NEWBURYPORT, MA 01950
TAX MAP 271, LOT 25
S.C.R.D.: BOOK 3349, PAGE 848

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FOR TOWN APPROVAL PURPOSES :

THE SUBDIVISION REGULATIONS OF THE TOWN OF BARRINGTON ARE A PART OF THIS PLAT, 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.



9 OF 16 - SHEET 9 OF 6
L101 - LANDSCAPE SHEET 101
R101 - RAINGARDEN SHEET 101
④ - NUMBER OF PARKING SPACES

REVISION	DATE	DESCRIPTION

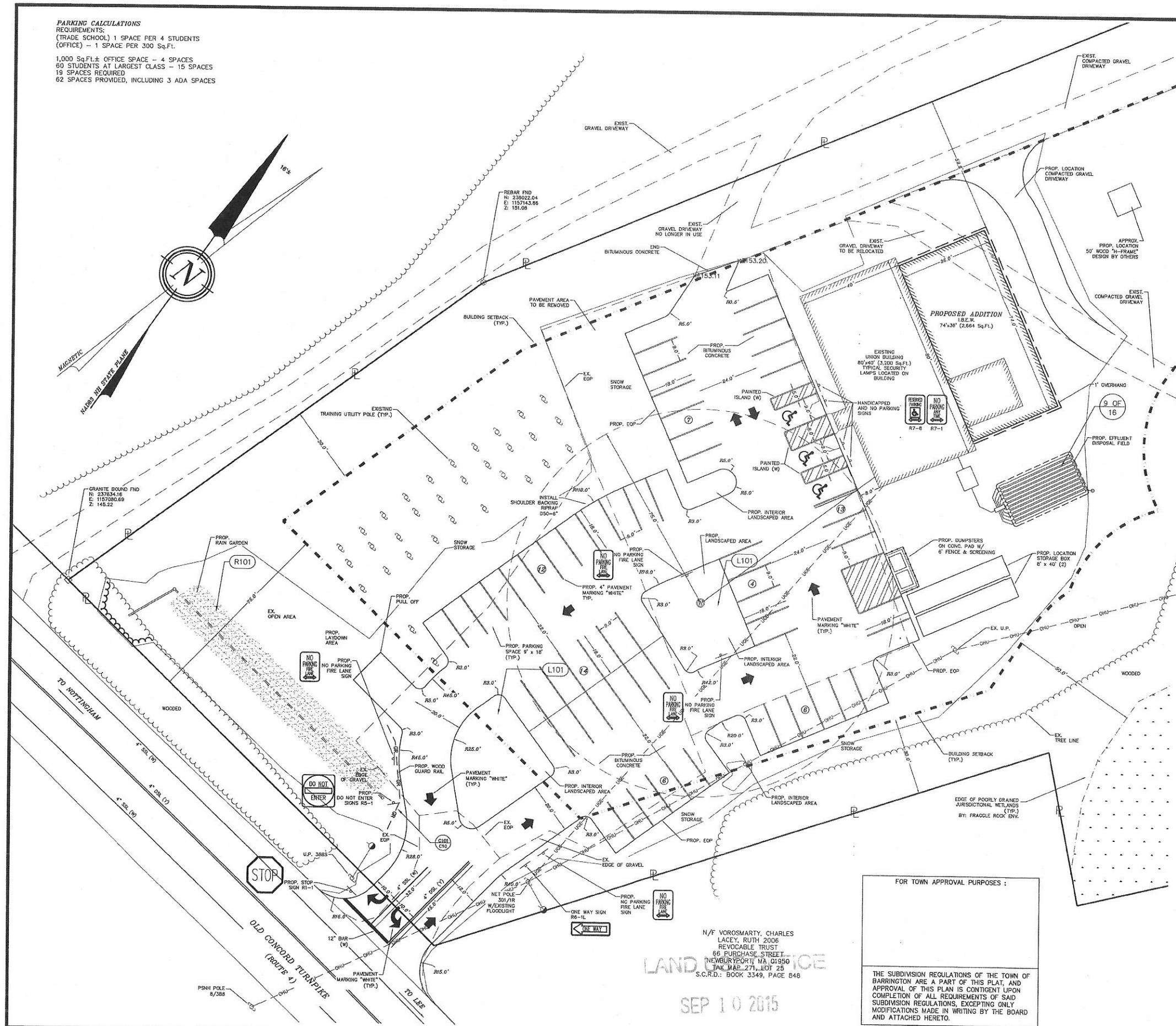
OVERVIEW SITE PLAN
FOR
INT'L BROTHERHOOD OF ELECTRICAL WORKERS
OLD CONCORD TURNPIKE (ROUTE 4)
BARRINGTON, NH 03825
TAX MAP 271, LOT 23

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

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

SHEET 3 OF 16

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
 19 SPACES REQUIRED
 62 SPACES PROVIDED, INCLUDING 3 ADA SPACES



NOTES:

- THE INTENT OF THIS PLAN SET IS TO DEMONSTRATE THE SITE PLAN DESIGN OF A PROPOSED ADDITION AND PROPOSED PARKING LOT.
- CURRENT OWNER: INTERNATIONAL BROTHERHOOD OF ELECTRICAL WORKERS
22 OLD CONCORD ROAD
BARRINGTON, NH 03825
- THE PROJECT PARCEL IS LOT NO. 23, MAP 271 OF THE TOWN OF BARRINGTON TAX ASSESSOR'S MAPS.
- THE PROJECT PARCEL CONTAINS 5.03 ACRES OR 219,154 SQUARE FEET AREA OF LAND.
- EXISTING IMPERVIOUS AREA = 61,766 Sq.Ft. 28.1%
PROPOSED IMPERVIOUS AREA = 60,536.57 Sq.Ft. 27.6%
- TITLE REFERENCE FOR THE PROJECT PARCEL IS THE STAFFORD COUNTY REGISTRY OF DEEDS, (S.C.R.D.) BOOK NO. 3552, PAGE NO. 349.
- 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
- 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.
- LOT LIMITS TO BE LAID OUT BY BS&E.
- 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.: 33017C0295D DATED MAY 17, 2005.
- WETLANDS WERE DELINEATED BY FRAGGLE ROCK ENV., DAMON BURT, CERTIFIED WETLAND SCIENTIST CERTIFICATE NUMBER 163.
- 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.
- TOPOGRAPHIC SURVEY PERFORMED BY BERRY SURVEYING & ENGINEERING IN NOVEMBER 2014 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 NOVEMBER 2014 AND REPRESENTED IN NEW HAMPSHIRE STATE PLANE COORDINATES NAD 1983 AND VERTICALLY BY NAVD 1988.
- IF A SPRINKLER SYSTEM IS REQUIRED FOR THE PROPOSED ADDITION, IT IS TO BE DESIGNED BY OTHERS.
- ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO APPLICABLE TOWN AND STATE CODES.
- 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.
- ALL TREATMENT SWALES TO BE CONSTRUCTED SHALL HAVE SOD BOTTOMS.
- 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.
- 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.
- THE PROPOSED USE FOR THE SITE IS COMMERCIAL.
- THIS PLAN PROPOSES 53,000 SQ. FT. OF DISTURBANCE.
- CALL DIG SAFE PRIOR TO BEGINNING WORK (1-888-344-7233).
- 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.
- 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.
- 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.
- TRAINING UTILITY POLES WILL BE PERIODICALLY ERECTED AND TAKEN DOWN INSIDE THE BUILDING ENVELOPE.
- 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.
- THE EXISTING USE OF THE PROPERTY IS FOR THE LOCAL IBEW UNION TRAINING SITE. THE PROPOSED USE IS THE SAME.
- THE WATER SUPPLY SOURCE IS AN ON-SITE WELL.

FOR TOWN APPROVAL PURPOSES:

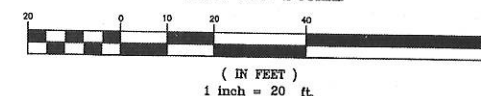
N/F VOROSMARTY, CHARLES
 LACEY, RUTH 2006
 REVOCABLE TRUST
 66 PURCHASE STREET
 NEWBURYPORT, MA 01950
 TPA, MAP-271, LOT 23
 S.C.R.D.: BOOK 3349, PAGE 848

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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.

GRAPHIC SCALE

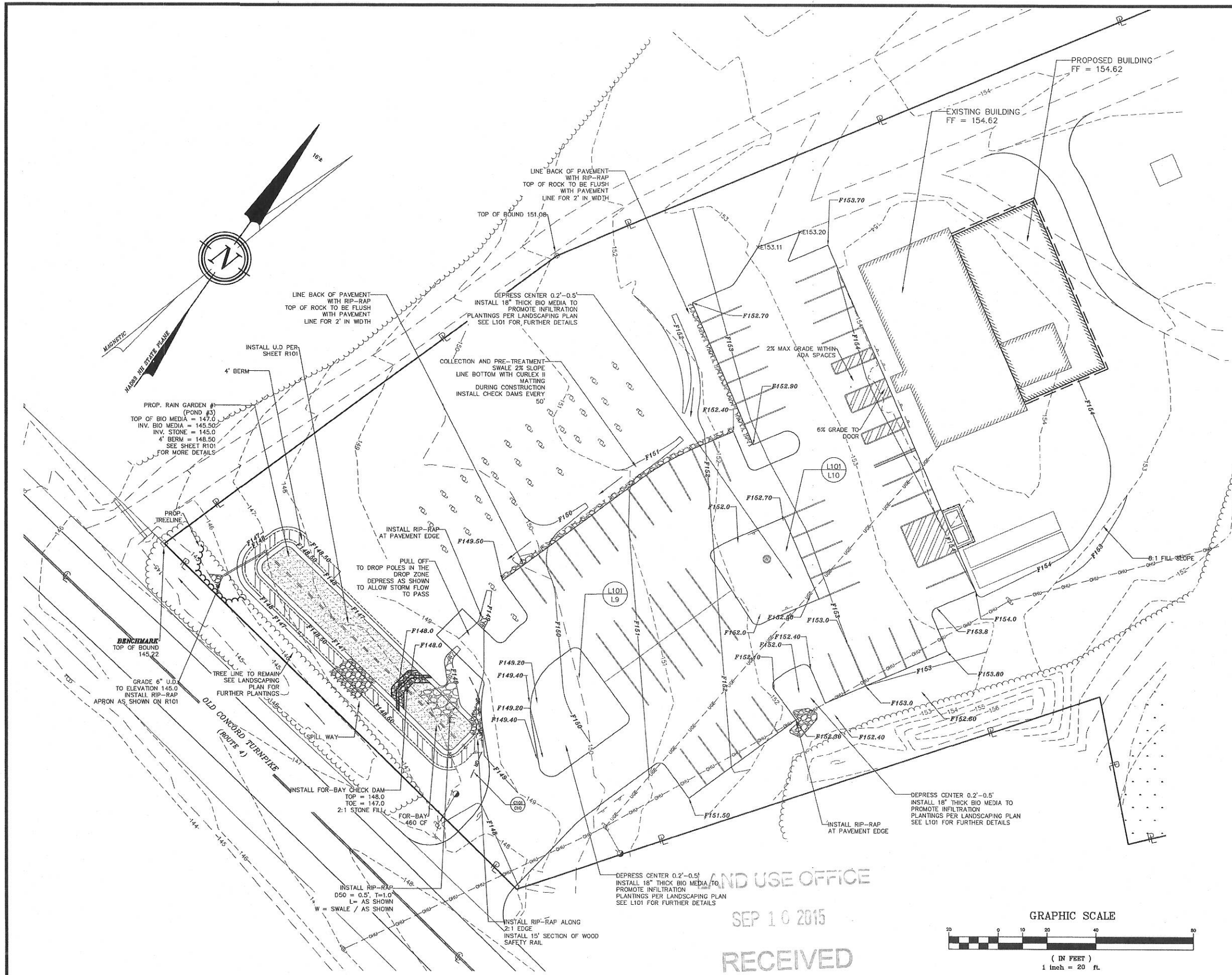


REVISION	DATE	DESCRIPTION

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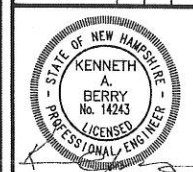
STATE OF NEW HAMPSHIRE
 KENNETH A. BERRY
 No. 14243
 LICENSED PROFESSIONAL ENGINEER

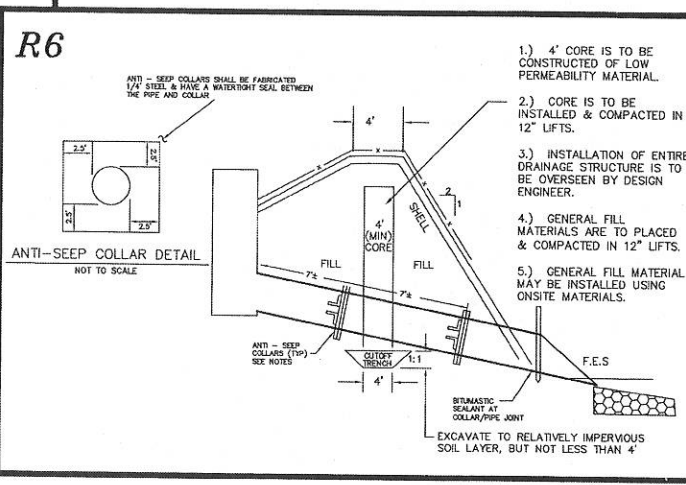
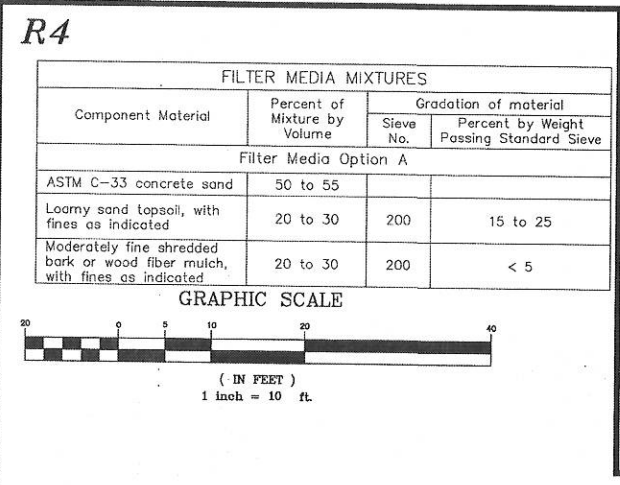
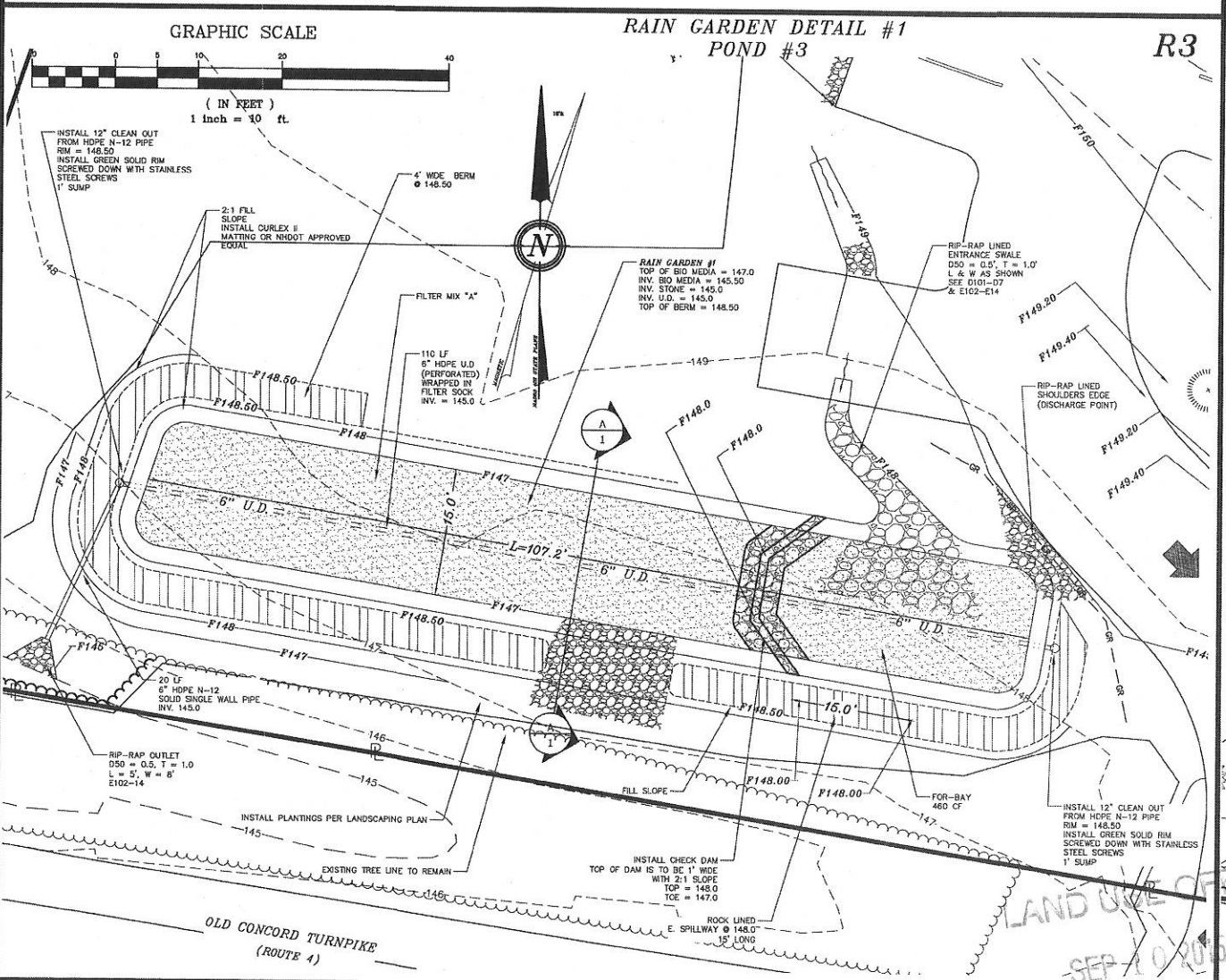
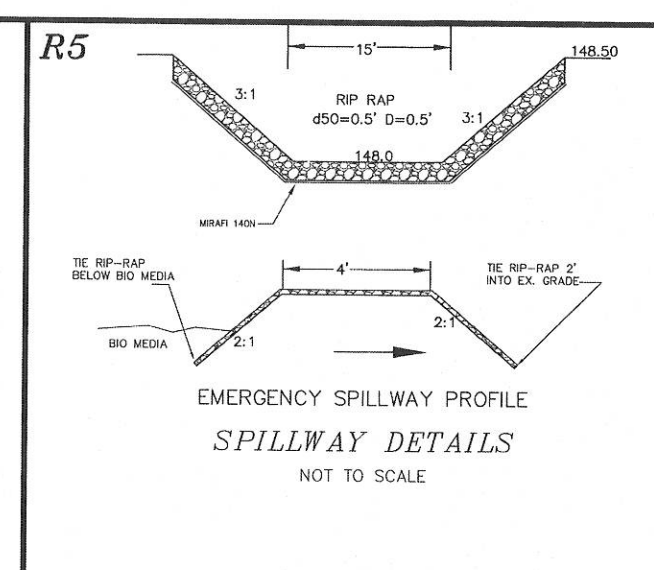
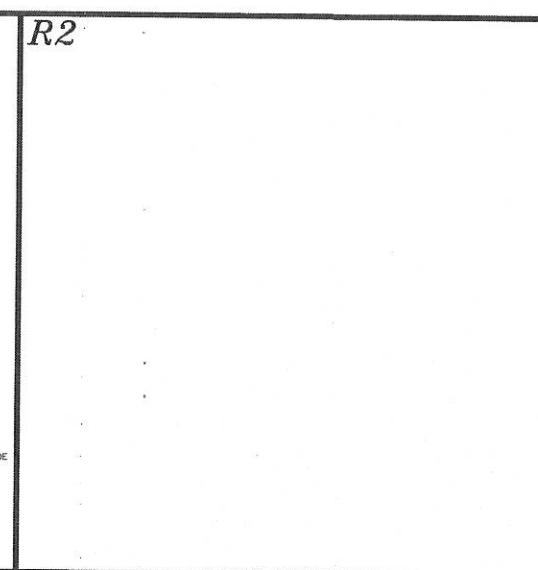
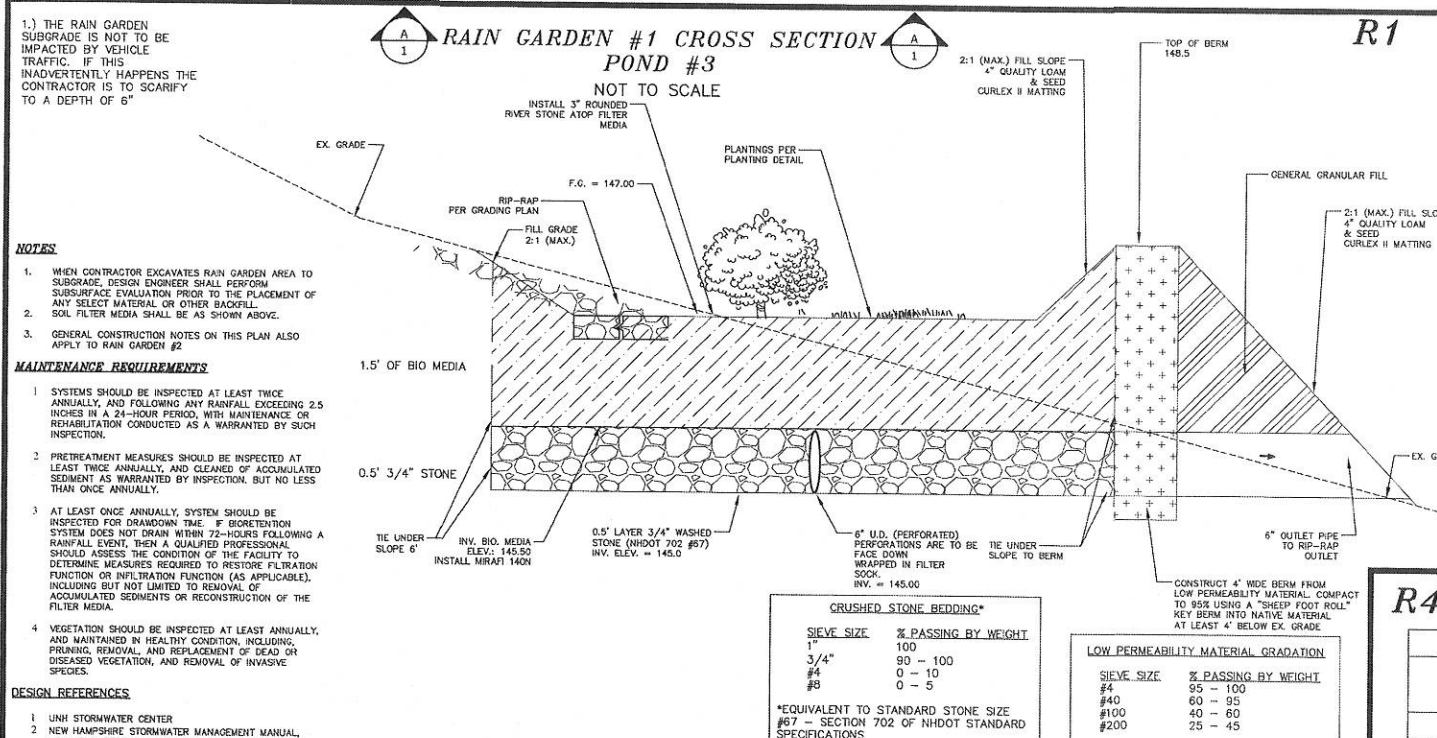


REVISION	DATE	DESCRIPTION

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



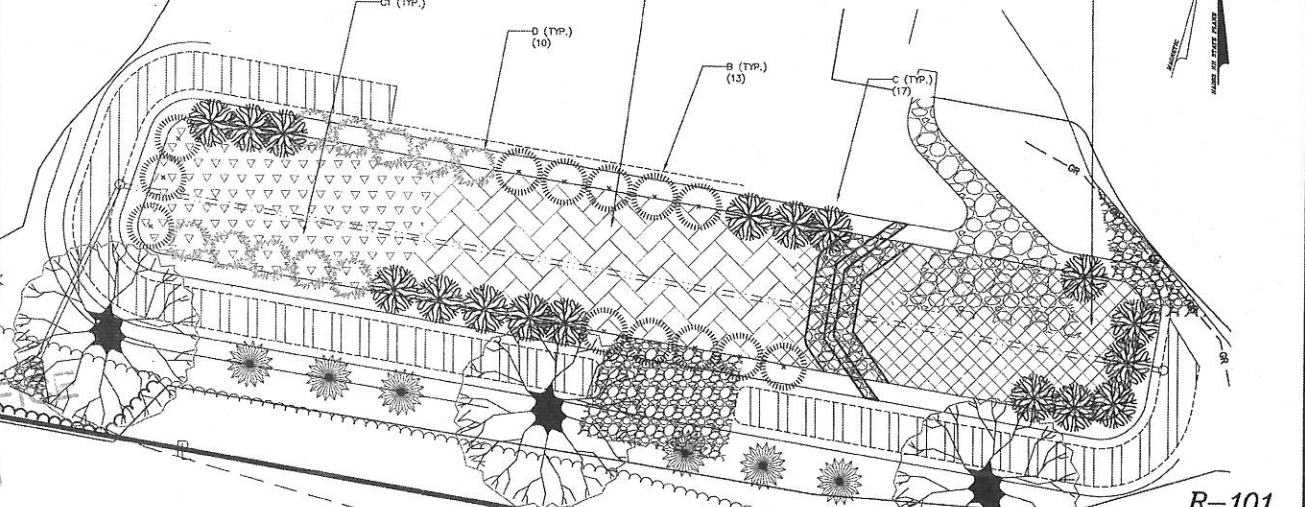


TREES AND SHRUBS

Sym	Qty	Botanical Name / Common Name	Root	Size	Remark
B	13	Pyrus calleryana 'Chanticleer' / Chanticleer flowering pear	Cont.	2"-2.5" Caliper, balled and burlapped	
C	17	Fothergilla gardenii / Dwarf Fothergilla	Cont.	2' Ht. or 3 Gal.	
D	10	Ilex glabra 'Nordic' / Nordic holly	Cont.	2' Ht. or 3 Gal.	

PERENNIALS & GROUND COVERS

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



REVISION	DATE	DESCRIPTION

RAIN GARDEN #1 DETAIL
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)

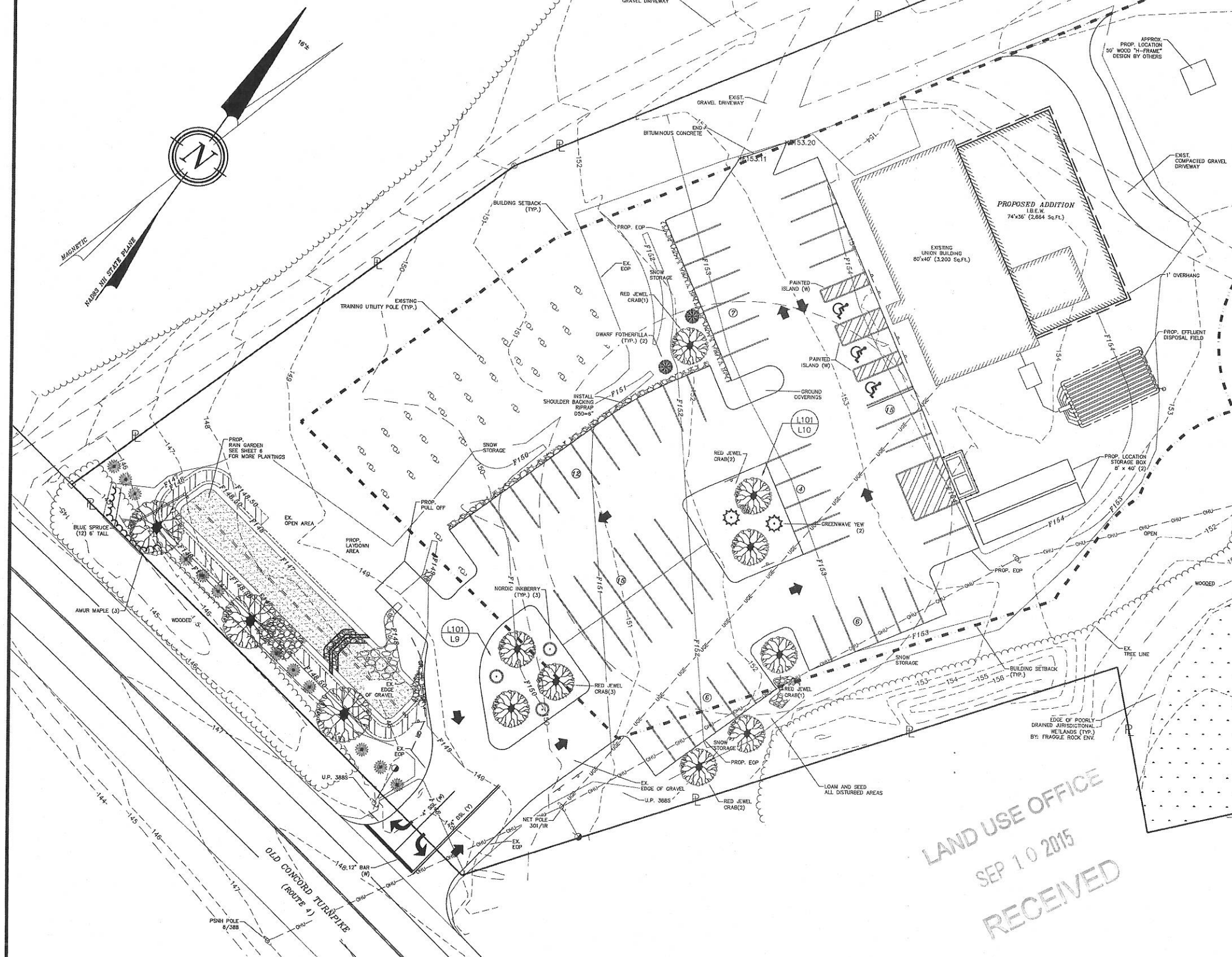
SCALE: AS NOTED
DATE: SEPTEMBER 9, 2015
FILE NO.: DB 2014-129

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

SHEET 6 OF 16

TREES AND SHRUBS (RAIN GARDEN)

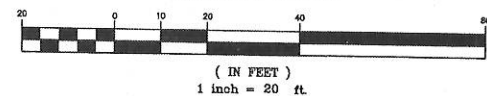
Qty	Botanical Name / Common Name	Root	Size
7	Morus / Red Jewel Crab	Cont.	2-2.5" Caliper
3	Acer Ginnola / Amur Maple	Cont.	2-2.5" Caliper
2	Fotherilla gardenii / Dwarf Fotherilla	Cont.	2" Ht. or 3 Gal.
3	Ilex glabra 'Nordic' / Nordic Inkberry	Cont.	2" Ht. or 3 Gal.
2	Taxus media / Greenwave Yew	Cont.	2" Ht. or 3 Gal.
12	Picea pungens	Cont.	2" Ht. or 3 Gal.



NOTES:

- OWNER: INT'L BROTHERHOOD OF ELECTRICAL WORKERS
- BARRINGTON TAX MAP 271, LOT 23
- S.C.R.D BOOK 3552, PAGE 349
- CALL DIG SAFE PRIOR TO BEGINNING WORK. (1-888-344-7233). THE LANDSCAPE CONTRACTOR IS ADVISED OF THE PRESENCE OF UNDERGROUND UTILITIES AND SHALL VERIFY THE EXISTENCE AND LOCATION OF THE SAME BEFORE COMMENCING AND DIGGING OPERATIONS. THE LANDSCAPE CONTRACTOR SHALL REPLACE OR REPAIR UTILITIES, PAVING, WALKS, CURBING, ETC DAMAGED IN PERFORMANCE OF THIS JOB AT NO ADDITIONAL COST TO THE OWNER OR GENERAL CONTRACTOR.
- CONTRACTOR SHALL THOROUGHLY FAMILIARIZE THEMSELVES WITH ALL SITE CONDITIONS PRIOR TO CONSTRUCTION BIDDING.
- PROVIDE SMOOTH TRANSITION WHERE NEW WORK MEETS EXISTING CONDITIONS.
- ALL PLANT MATERIAL INSTALLED SHALL MEET THE SPECIFICATIONS OF "AMERICAN STANDARD FOR NURSERY STOCK" BY THE AMERICAN ASSOCIATION OF NURSERYMEN
- ALL PLANT MATERIALS SHALL BE FREE FROM INSECTS AND DISEASE.
- ALL PLANTINGS SHALL BE DONE IN ACCORDANCE WITH ACCEPTABLE HORTICULTURAL PRACTICES. THIS IS TO INCLUDE PROPER PLANTING MIX, PLANT BED AND TREE PIT PREPARATION, PRUNING STAKING OR GUYING, WRAPPING, SPRAYING, FERTILIZATION, PLANTING AND ADEQUATE MAINTENANCE UNTIL ACCEPTANCE FROM OWNER.
- ALL GRASS, OTHER VEGETATION AND DEBRIS SHALL BE REMOVED FROM ALL PLANTING AREAS PRIOR TO PLANTING.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF EXISTING AND NEWLY PLANTED TREES AND SHRUBS DURING THE CONSTRUCTION PROCESS. WHERE REQUIRED, THE CONTRACTOR SHALL INSTALL TEMPORARY FENCING (SNOW OR EQUAL) AROUND EXISTING TREES AND SHRUBS THAT COULD BE IMPACTED BY THE CONSTRUCTION PROCESS. STORAGE OF CONSTRUCTION EQUIPMENT, CONSTRUCTION MATERIALS, SNOW STORAGE OR OR VEHICLE PARKING SHALL NOT BE PERMITTED WITHIN THE DRIP LINE OF TREES OR TWENTY FEET WHICH EVER IS GREATER.
- NEW PLANTINGS SHALL BE INSTALLED PER PROJECT DRAWINGS AND SPECIFICATION THAT INCLUDE FERTILIZATION AND MULCHING AS REQUIRED.
- ALL SHRUB BEDS AND TREE PITS SHALL BE MULCHED WITH 4" CLEAN SHREDDED AGED PINEBARK
- WHERE INDICATED ON PLAN, PLANTING SOIL MIXTURE FOR GROUND COVER AND PERENNIAL BED AREAS SHALL CONSIST OF FOUR PARTS TOPSOIL, TWO PARTS SPHAGNUM PEAT MOSS, AND ONE PART HORTICULTURAL PERLITE BY VOLUME. PEAT MOSS MAY BE SUBSTITUTED WITH WELL-ROTTED OR DEHYDRATED MANURE OR COMPOST. ROTOTILL BEDS TO A DEPTH OF 8 INCHES.
- MAINTENANCE OF NEW PLANTINGS AND LAWNS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND/OR LANDSCAPE SUBCONTRACTOR UNTIL ACCEPTANCE BY THE OWNER. RESPONSIBILITIES SHALL INCLUDE WATERING, WEEDING AND MOWING AS NECESSARY. ALL PLANT MATERIAL SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM THE DATE OF ACCEPTANCE. REPLACEMENT MATERIAL SHALL BE GUARANTEED FOR ADDITIONAL YEAR FROM TIME OF INSTALLATION.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL TEMPORARY EROSION CONTROL MEASURES DURING THE CONSTRUCTION PHASE AND UNTIL ALL AREAS HAVE BEEN STABILIZED AND ACCEPTED BY THE OWNER. THE GENERAL CONTRACTOR SHALL PROVIDE WEEKLY INSPECTIONS OF EROSION MEASURES AND IMMEDIATELY AFTER STORM EVENTS AND REPAIR AS NECESSARY.
- THE GENERAL CONTRACTOR OR THE LANDSCAPE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL TREE GUYING MATERIAL ONCE PLANT MATERIAL HAS BEEN ESTABLISHED. (MINIMUM OF ONE GROWING SEASON). ALL TEMPORARY EROSION CONTROL MEASURE SHALL BE REMOVED ONCE STABILIZATION OF DISTURBANCE HAS BEEN ACCEPTED BY OWNER.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR A MINIMUM OF TWO MOWINGS FOR ALL TURF AREAS OR UNTIL ACCEPTANCE BY THE OWNER. A MINIMUM UNIFORM 75% CATCH OF TURF IS REQUIRED FOR ACCEPTANCE.
- ALL PLANTINGS SHALL BE WATERED REGULARLY DURING THEIR FIRST YEAR AND MAINTAINED PERMANENTLY IN GOOD GROWING CONDITION AS AN EFFECTIVE VISUAL SCREEN.
- SHRUBS OR TREES WHICH DIE SHALL BE REPLACED WITHIN ONE GROWING SEASON WITH NEW SHRUBS OR TREES TO ENSURE CONTINUED COMPLIANCE WITH APPLICABLE LANDSCAPING REQUIREMENTS.
- ALL REQUIRED LANDSCAPING SHALL BE INSTALLED BEFORE OCCUPANCY, OR WITHIN SIX MONTHS IF OCCUPANCY OCCURS DURING WINTER CONDITIONS.
- TREES ARE TO BE 6' TALL AT PLANTING
- 4" AGED PINEBARK MULCH AND A WEED BARRIER (TY-PAR FABRIC OR APPROVED EQUAL) SHALL BE APPLIED TO ALL SHRUB AND GROUND COVER BEDS. INSTALL WEED BARRIER AS PER MANUFACTURERS RECOMMENDATIONS.
- PLANT-PIT BACK-FILL SHALL BE MIXED AT A RATE OF 7 PARTS OF TOPSOIL TO 2 PARTS OF DEHYDRATED COW MANURE. SLOW RELEASE FERTILIZER SHALL BE APPLIED AS PER MANUFACTURERS RECOMMENDATIONS. USE EXISTING ON-SITE TOPSOIL AS PART OF BACK-FILL WHEN AVAILABLE.
- ALL LANDSCAPED AREAS NOT PLANTED WITH TREES, SHRUBS OR GROUND COVER SHALL BE RESTORED WITH LOAM AND SEED.
- TOPSOIL WILL BE TESTED FOR FERTILIZATION REQUIREMENTS, AND SLOW RELEASE ENVIRONMENTALLY FRIENDLY FERTILIZER WILL BE APPLIED AT THE RECOMMENDED RATES.

GRAPHIC SCALE

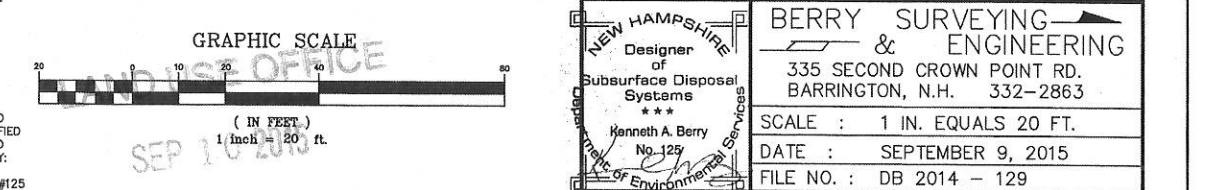
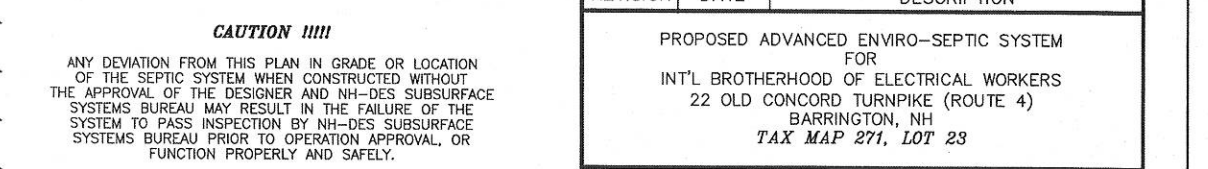
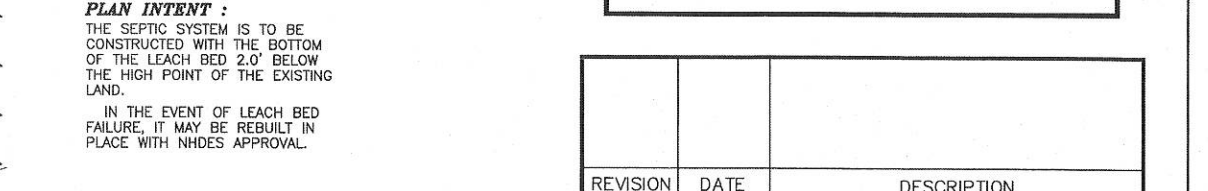
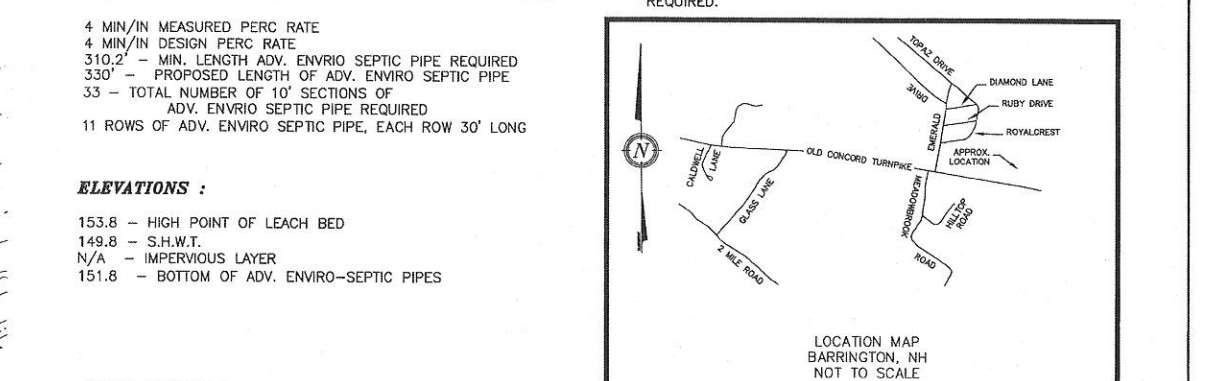
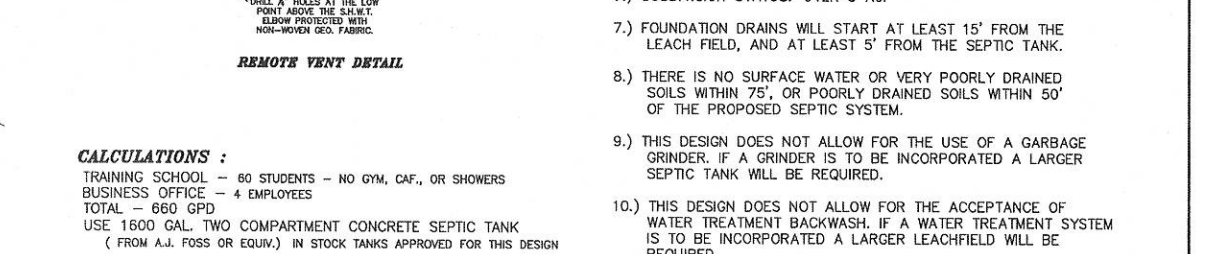
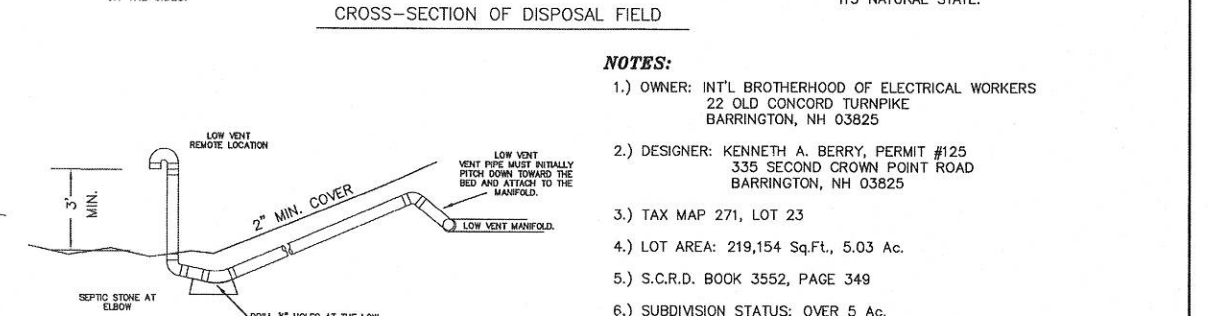
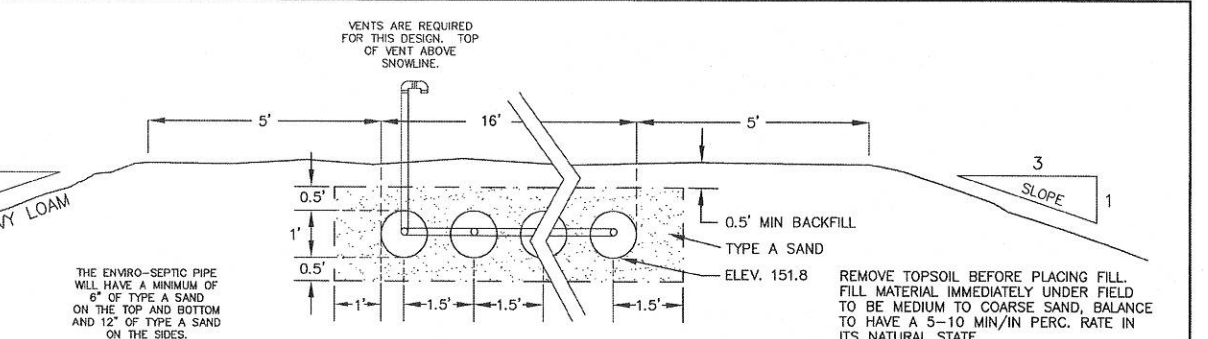
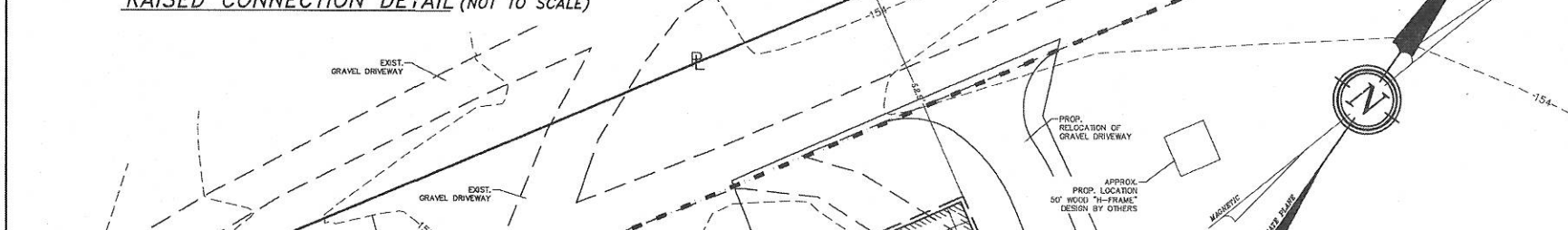
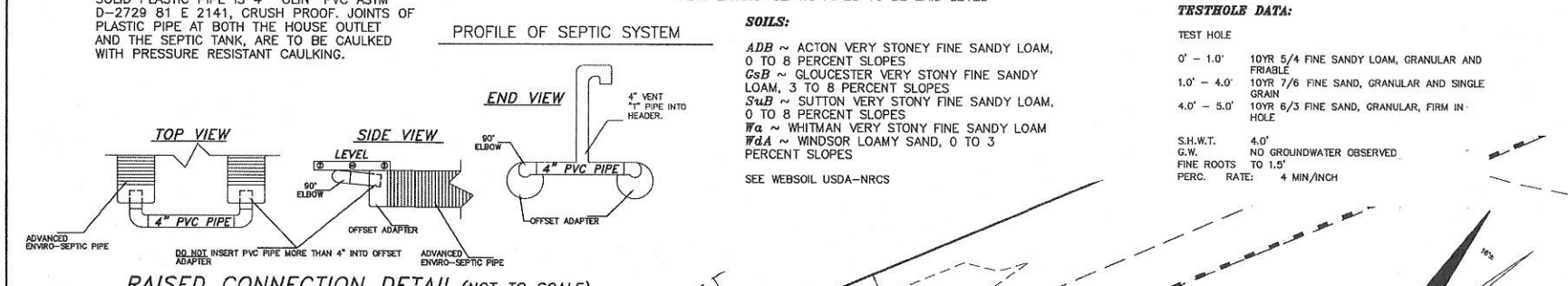
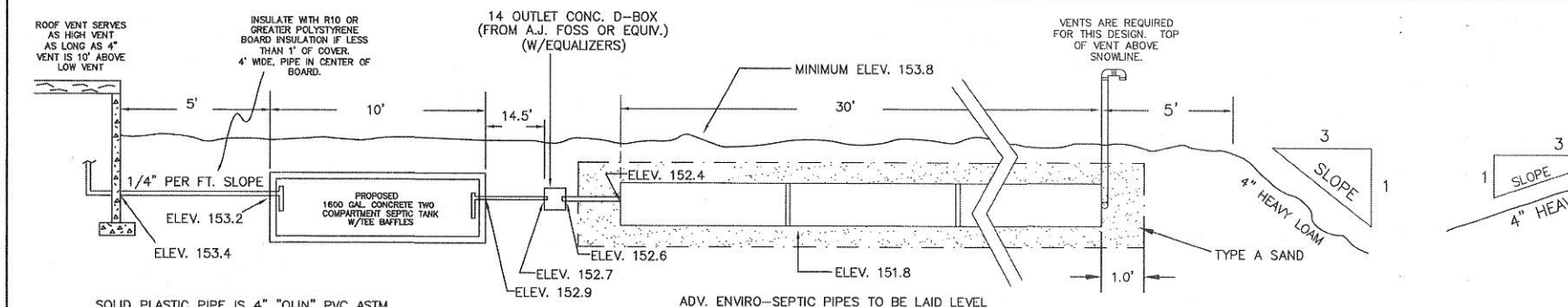
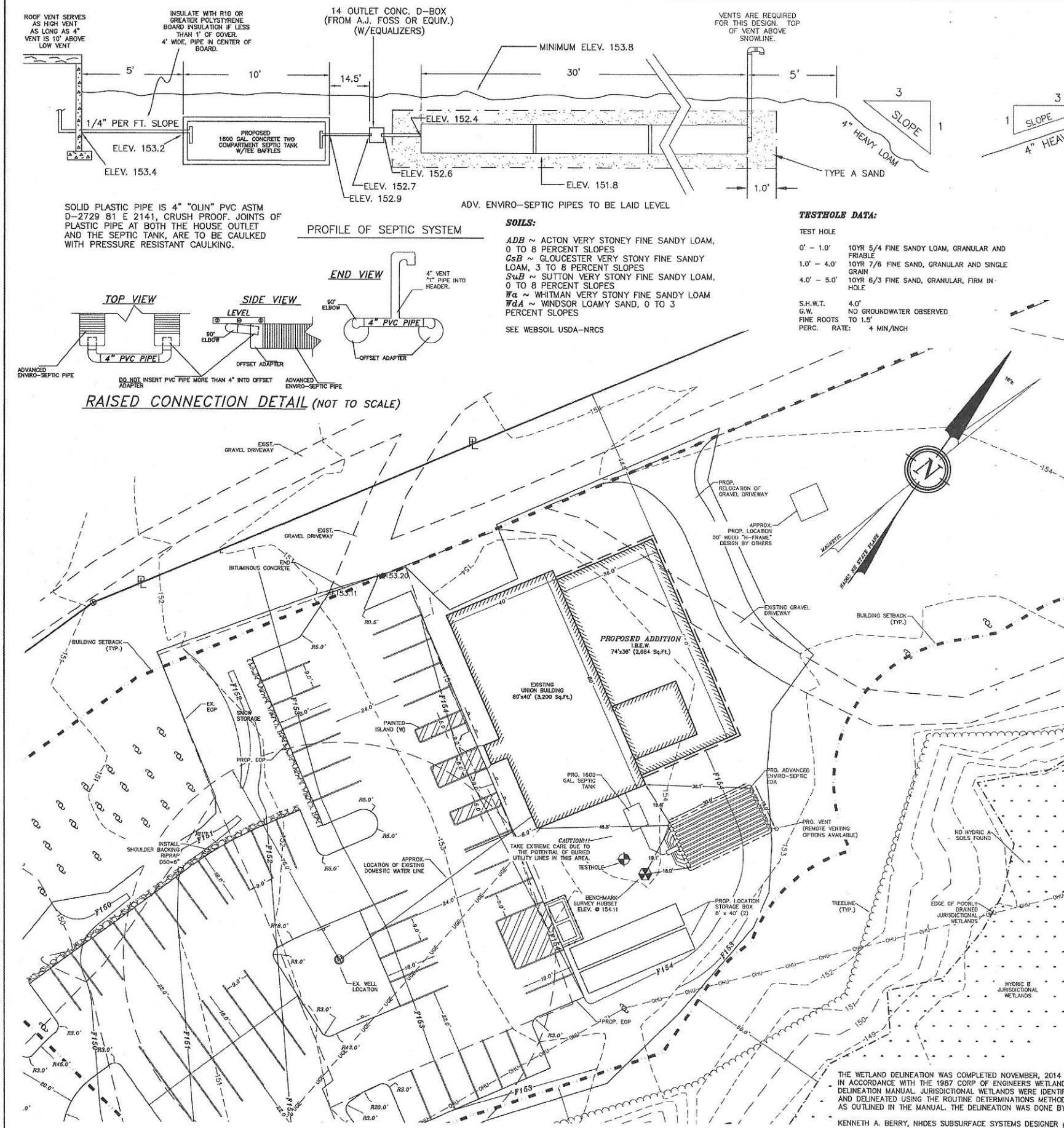


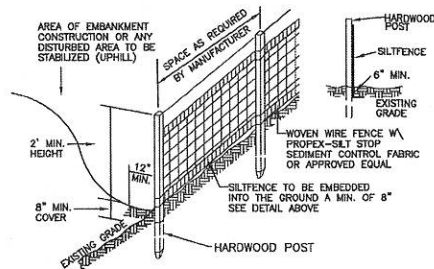
REVISION	DATE	DESCRIPTION

LANDSCAPING 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.
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SILT FENCE DETAIL
N.T.S.

SILT FENCE CONSTRUCTION SPECIFICATIONS

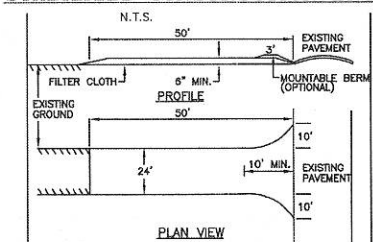
1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES AND FILTER CLOTH SHALL BE FASTENED TO WOVEN WIRE EVERY 24" AT TOP MID AND BOTTOM
2. SECTIONS TO BE EMBEDDED INTO GROUND A MINIMUM OF 8" THE FENCE POSTS SHALL BE A MINIMUM 48" LONG, SPACED A MAXIMUM 10' APART, AND DRIVEN A MINIMUM OF 16" 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.

E1

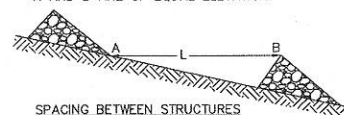
E5 STABILIZED CONSTRUCTION ENTRANCE



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 INGRESS OR EGRESS OCCURS OR 10 FEET, WHICH EVER IS GREATER.
5. GEOTEXTILE FILTER CLOTH SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING 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 BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A BERM WITH 5:1 SLOPES THAT CAN BE CROSSED BY VEHICLES MAY BE SUBSTITUTED FOR THE PIPE.
7. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, WASHED, OR TRACKED ONTO PUBLIC RIGHT-OF-WAY MUST BE REMOVED PROMPTLY.

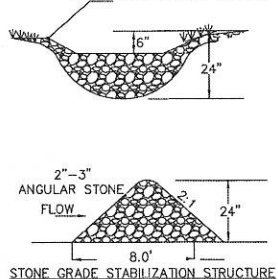
STONE CHECK DAM

L = THE DISTANCE SUCH THAT POINTS A AND B ARE OF EQUAL ELEVATION.



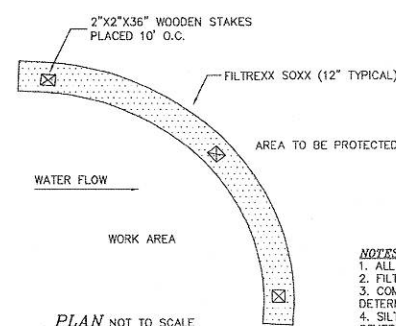
- 1.) CHECK DAMS SHOULD BE INSTALLED BEFORE RUNOFF IS DIRECTED TO THE SWALE OR DRAINAGE DITCH
- 2.) THE MAXIMUM CONTRIBUTING DRAINAGE AREA TO THE DAM SHOULD BE LESS THEN ONE ACRE.
- 3.) THE MAXIMUM HEIGHT OF THE DAM SHOULD BE TWO FEET.
- 4.) THE CENTER OF THE DAM SHOULD BE AT LEAST SIX INCHES LOWER THAN 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.

NOTE: KEY STONE INTO CHANNEL BANKS AND EXTEND IT BEYOND THE ABUTMENTS A MINIMUM OF 18" TO PREVENT FLOW AROUND THE DAM.



E9

E10



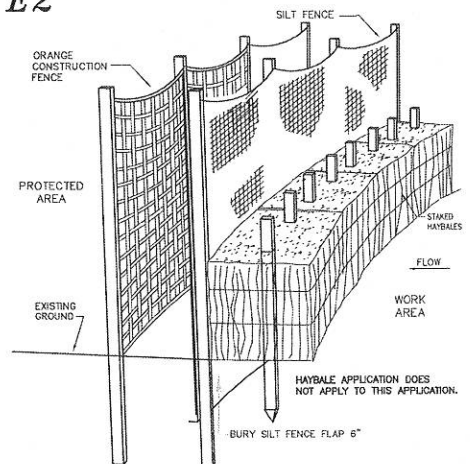
NOTES

1. ALL MATERIAL TO MEET FILTREXX SPECIFICATIONS.
2. FILTER MEDIA FILL TO MEET APPLICATION REQUIREMENTS.
3. COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER.
4. SILT/COMPOST MAY BE USED IN PLACE OF SILT FENCE OR OTHER SEDIMENT BARRIERS.
5. SILT/COMPOST 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.

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

E3

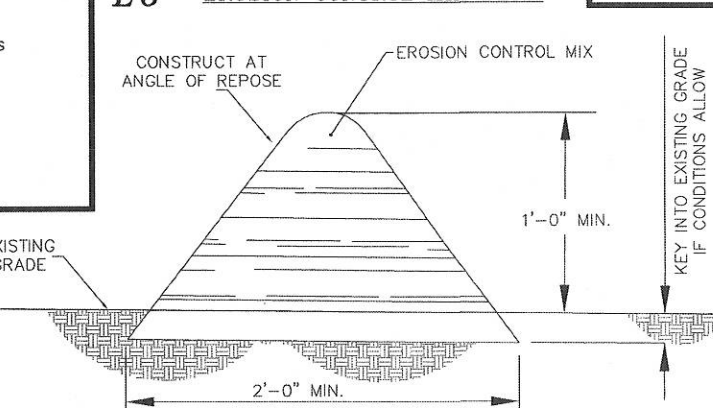
E2



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

E6

EROSION CONTROL MIX BERM



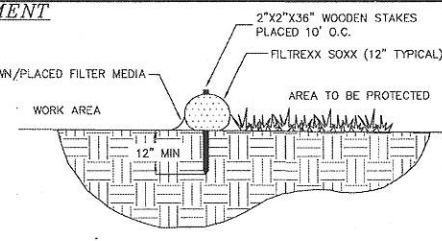
EROSION CONTROL MIX BERMS SHALL BE USED ONLY AS FOLLOWS:

- (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 5%.
- (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 SHREDDED 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.

E7

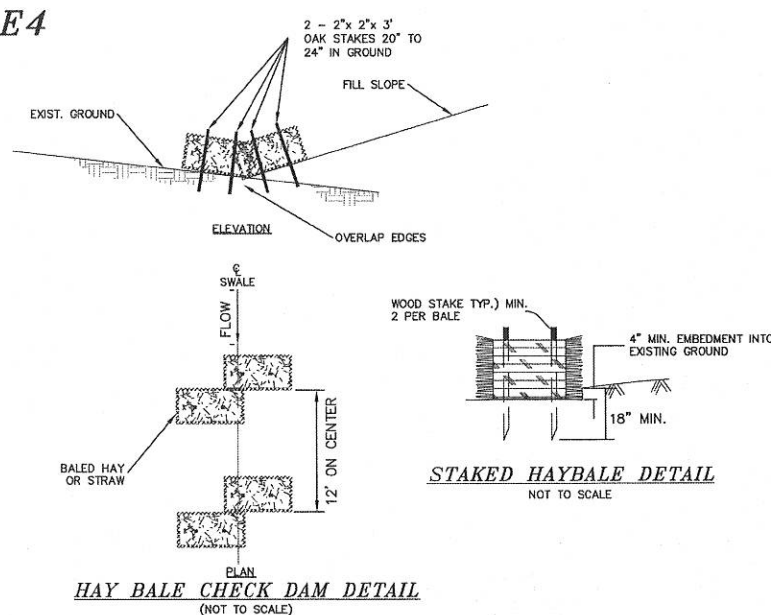
FILTREXX SEDIMENT CONTROL

NOT TO SCALE



SECTION NOT TO SCALE

E4



HAY BALE CHECK DAM DETAIL
(NOT TO SCALE)

E8

TEMPORARY EROSION CONTROL MEASURES

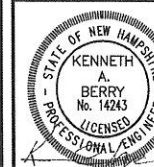
1. THE SMALLEST PRACTICAL AREA OF LAND SHALL BE EXPOSED AT ANY ONE TIME
2. EROSION, SEDIMENT AND DETENTION MEASURES SHALL BE INSTALLED AS SHOWN ON THE PLANS AND AT LOCATIONS AS REQUIRED, DIRECTED BY THE ENGINEER
3. ALL DISTURBED AREAS SHALL BE RETURNED TO ORIGINAL GRADES AND ELEVATIONS. DISTURBED AREAS SHALL BE LOADED 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

E11

LAND USE OFFICE
SEP 10 2015
RECEIVED

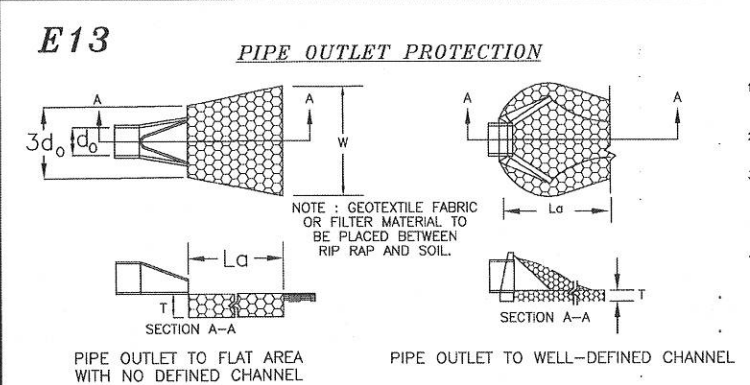
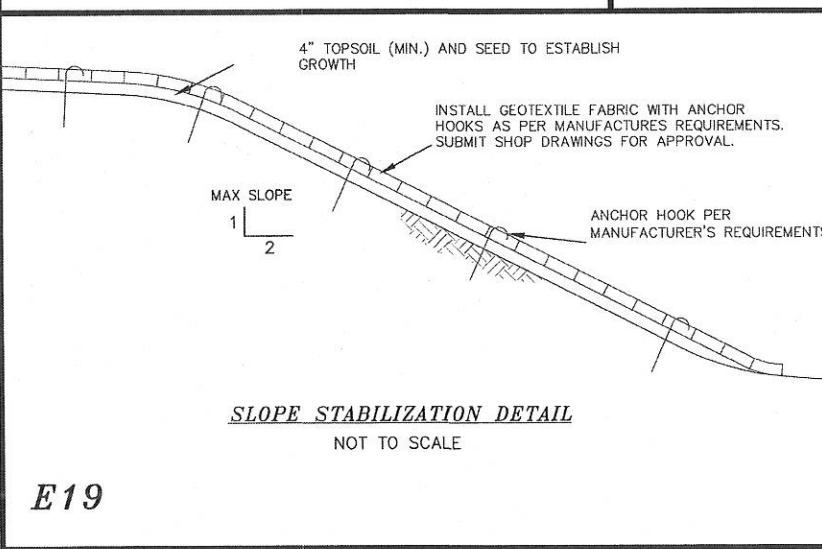
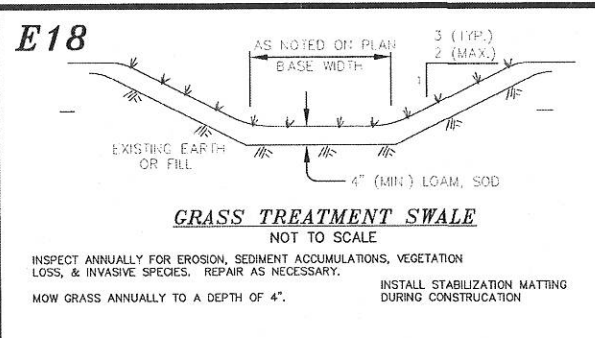
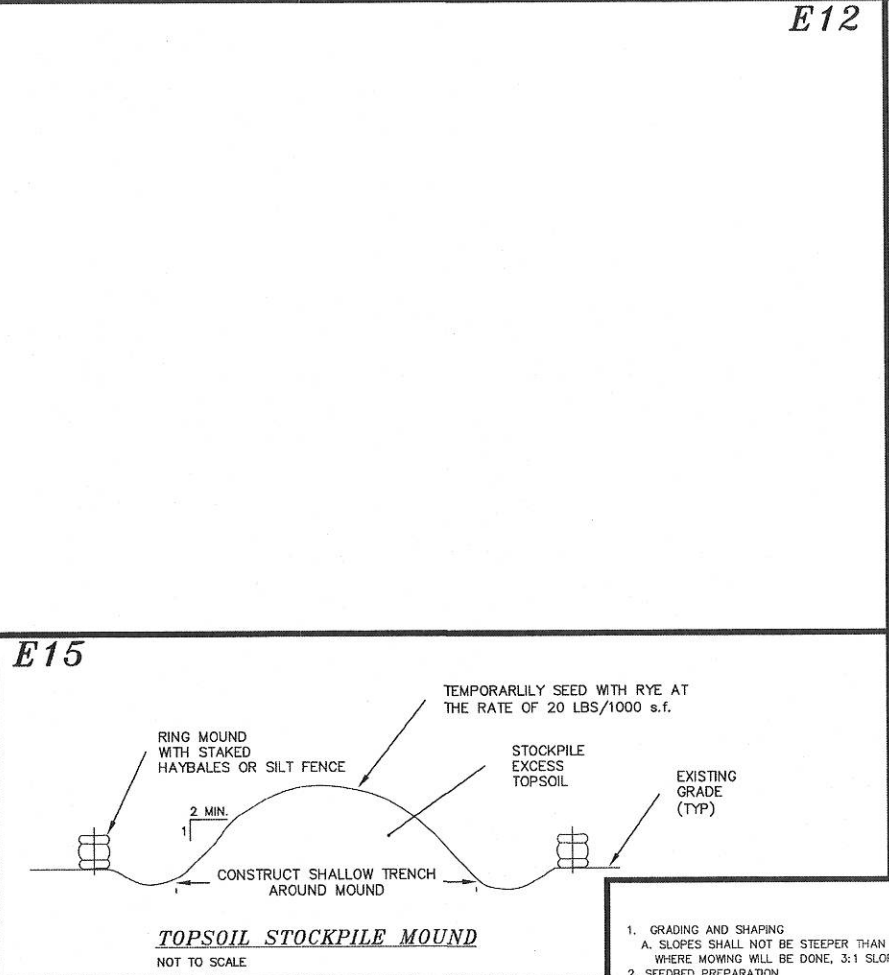
SEDIMENT AND EROSION CONTROL DETAILS
LAND OF
INT'L BROTHERHOOD OF ELECTRICAL WORKERS
22 OLD CONCORD TURNPIKE (ROUTE 4)
BARRINGTON, NH 03825
TAX MAP 271, LOT 23

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



E-101

SHEET 11 OF 16



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

SEEDING GUIDE

USE	SEEDING MIXTURE 1/	DOORWAY	WELL DRAINAGE	MODERATELY WELL DRAINAGE	POORLY DRAINAGE
STEEP CUTS AND PILES, EROSION AND DISPOSAL AREAS	A	POOR	GOOD	GOOD	FAIR
WATERWAYS, EMERGENCY SPILLWAYS, AND OTHER CHANNELS WITH FLOWING WATER	B	POOR	GOOD	GOOD	FAIR
LIGHTLY USED PARKING LOTS, OOD AREAS, UNSEED LOTS, AND LOW INTENSITY USE RECREATION SITES	C	POOR	GOOD	GOOD	FAIR
PLAY AREAS AND ATHLETIC FIELDS (TOPSOIL IS ESSENTIAL FOR GOOD TURF)	D	POOR	GOOD	GOOD	FAIR
GRAVEL PITS. SEE NH-FH-24 IN APPENDIX FOR RECOMMENDATION REGARDING RECLAMATION OF SAND AND GRAVEL PITS.	E	POOR	GOOD	GOOD	FAIR

1/ REFER TO SEEDING MIXTURES AND RATES IN TABLE 7-25. 2/ POORLY DRAINAGE SOILS ARE NOT DESIRABLE FOR USE AS PLAYING AREA AND ATHLETIC FIELDS.

SEEDING RATES

MIXTURE	POUNDS PER ACRE	POUNDS PER 1,000 S.F.
A. TALL FESCUE	20	0.45
B. CREEPING RED FESCUE	20	0.45
C. PERENNIAL RYEGRASS	20	0.45
D. KENTUCKY BLUEGRASS	20	0.45
E. WHITE CLOVER	20	0.45

CONSERVATION MIX

MIXTURE	POUNDS PER ACRE	POUNDS PER 1,000 S.F.
RED FESCUE (35%)	75	1.75
TALL FESCUE (25%)	55	1.25
ANNUAL RYEGRASS (12%)	33	0.75
PERENNIAL RYEGRASS (10%)	26	0.60
KENTUCKY BLUEGRASS (10%)	22	0.50
WHITE CLOVER (3%)	7	0.15

PIPE OUTLET PROTECTION CONSTRUCTION SPECIFICATIONS

- 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.
- THE ROCK OR GRAVEL USED FOR FILTER OF RIP RAP SHALL CONFORM TO NHDOT SECTION 583.
- 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.
- 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

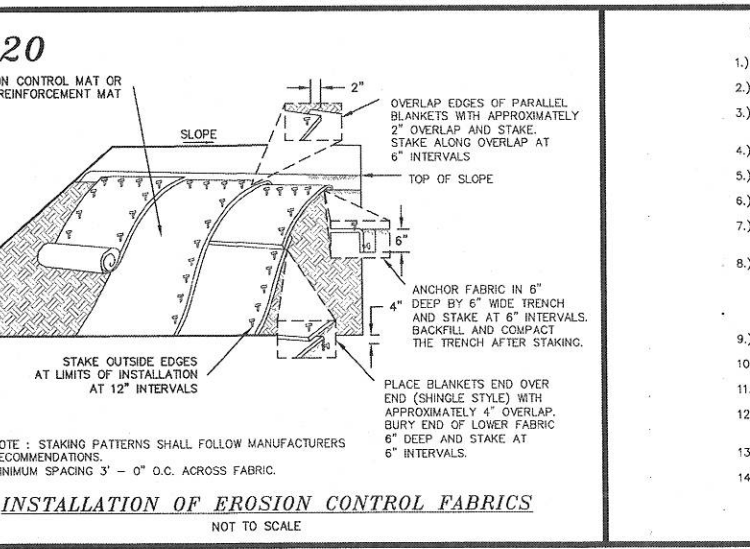
d50 SIZE=	0.5 FEET	6 INCHES
% OF WEIGHT SMALLER THAN THE GIVEN d50 SIZE		
100%	9	12
85%	8	11
50%	6	9
15%	2	3

WINTER STABILIZATION NOTES

- 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.
- 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.
- 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.
- 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.

DEFINITION OF STABLE:

- WHEN A BASE COURSE GRAVEL HAS BEEN INSTALLED IN AN AREA TO BE PAVED
- WHEN A MINIMUM OF 85% VEGETATIVE GROWTH OCCURS
- WHEN A MINIMUM OF 3" OF NON-EROSIVE MATERIAL, SUCH AS STONE OR RIP-RAP HAS BEEN INSTALLED
- WHEN PROPER EROSION CONTROL BLANKETS, SUCH AS CURLEX II, C350 OR OTHER DOT APPROVED MATTING, HAS BEEN INSTALLED PROPERLY
- 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.



CONSTRUCTION SEQUENCE:

- CUT AND REMOVE TREES IN CONSTRUCTION AREA ONLY AS REQUIRED
- CONSTRUCT AND/OR INSTALL TEMPORARY AND PERMANENT SEDIMENT EROSION AND DETENTION CONTROL FACILITIES AS REQUIRED
- EROSION, SEDIMENT AND DETENTION CONTROL FACILITY SHALL BE INSTALLED & STABILIZED PRIOR TO ANY EARTH MOVING OPERATION & OR DIRECTING RUNOFF TO THEM.
- CLEAR, CUT AND DISPOSE OF DEBRIS IN APPROVED FACILITY
- CONSTRUCT TEMPORARY CULVERTS AS REQUIRED, OR DIRECTED
- CONSTRUCT ROADWAYS FOR ACCESS TO DESIRED CONSTRUCTION AREAS. ALL ROADS SHALL BE STABILIZED IMMEDIATELY
- INSTALL PIPE AND CONSTRUCTION ASSOCIATED APPURTENANCES AS REQUIRED OR DIRECTED. INSTALL RAIN GARDENS. ALL DISTURBED AREAS SHALL STABILIZED IMMEDIATELY AFTER GRADING.
- 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 LENGTH OF TIME THAT EXCEEDS 60 DAYS BEFORE BEING STABILIZED, DAILY, OR AS REQUIRED. ALL ROADWAYS AND PARKING AREAS SHALL BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADES. ALL CUT AND FILL SLOPES SHALL BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADES.
- CONSTRUCT TEMPORARY BERMS, DRAIN DITCHES, SILT FENCES, SEDIMENT TRAPS, ETC. MULCH AND SEED AS REQUIRED.
- INSPECT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES DURING CONSTRUCTION
- COMPLETE PERMANENT SEEDING AND LANDSCAPING.
- REMOVE TEMPORARY EROSION CONTROL MEASURES AFTER SEEDING AREAS HAVE ESTABLISHED THEMSELVES AND SITE IMPROVEMENTS ARE COMPLETE.
- SMOOTH AND REVEGETATE ALL DISTURBED AREAS
- FINISH PAVING ALL ROADWAYS

E21

E22

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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

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

SEDIMENT AND EROSION CONTROL DETAILS
INT'L BROTHERHOOD OF ELECTRICAL WORKERS
22 OLD CONCORD TURNPIKE (ROUTE 4)
BARRINGTON, NH 03825
TAX MAP 271, LOT 28

REVISION

REVISION	DATE	DESCRIPTION

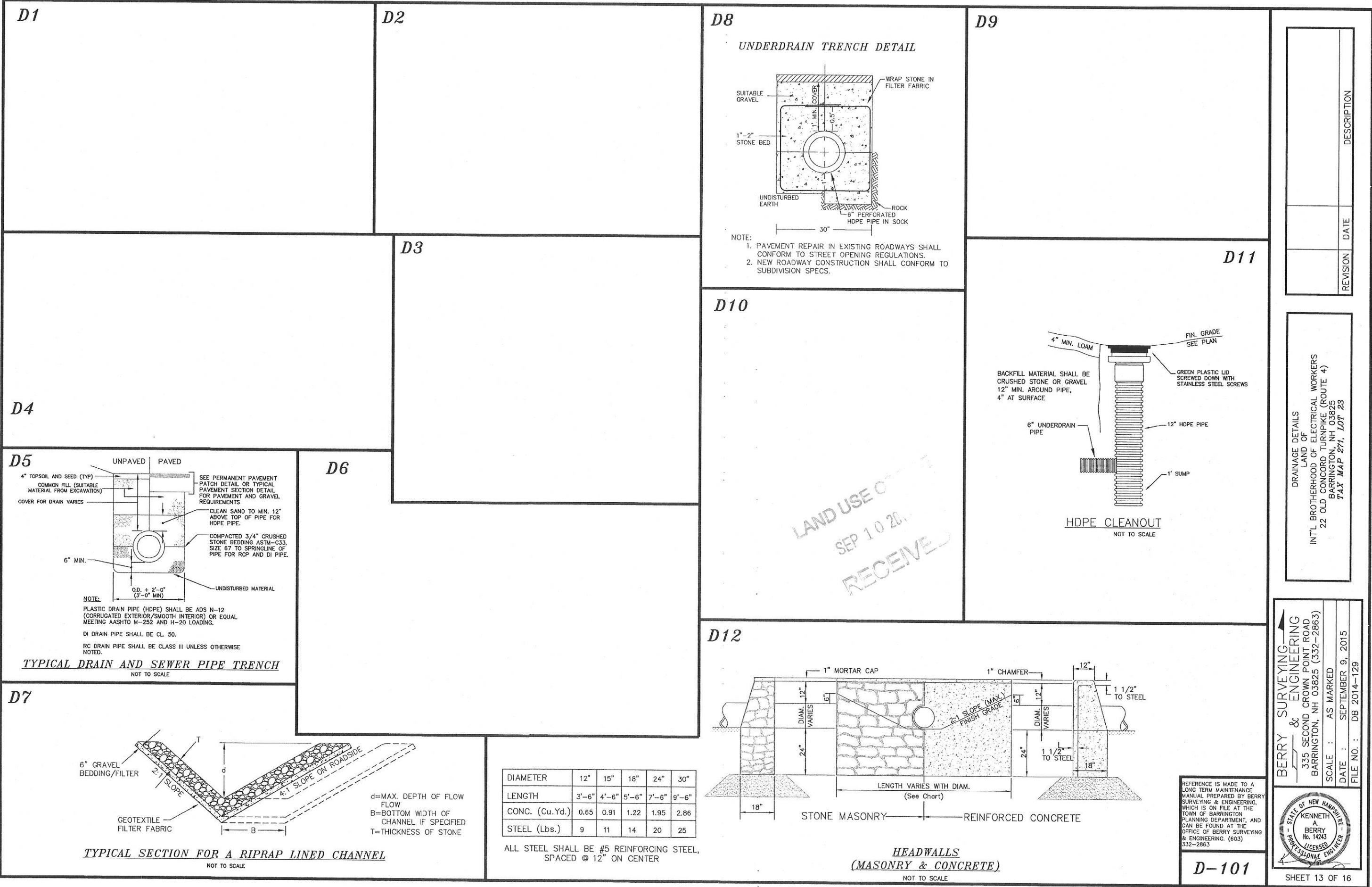


Diagram illustrating the construction of a bituminous concrete pavement patch in a trench excavation. The diagram shows a cross-section of the trench and the surrounding pavement structure.

Labels and descriptions:

- 12" MIN. OVERLAP**: Indicated by a dimension line across the top of the patch area.
- SAWCUT EDGE**: Points to the vertical edge of the patch.
- EXISTING PAVEMENT**: Points to the surface above the patch.
- TRENCH EXCAVATION PER PLANS**: Points to the excavation area.
- EXISTING GROUND**: Points to the ground level below the trench.
- CLEAN VERTICAL EDGE OF SAWCUT JOINT. COAT VERTICAL EDGE OF JOINT WITH RS-1 EMULSION IMMEDIATELY PRIOR TO PLACING PAVEMENT PATCH.**: Points to the vertical edge of the patch.
- CONSTRUCT BITUMINOUS CONCRETE PAVEMENT (SEE ROADWAY CROSS SECTION)**: Points to the patch area.

<u>NOTES</u>	<u>PLAN</u>	<u>SECTION</u>
1. MACHINE CUT EXISTING PAVEMENT.		
2. ALL TEMPORARY, DAMAGED, OR DEFECTIVE PAVEMENT SHALL BE REMOVED PRIOR TO PLACEMENT OF PERMANENT TRENCH REPAIRS.		
3. DIAMOND PATCHES, SHALL BE REQUIRED FOR ALL TRENCHES CROSSING ROADWAY. DIAMOND PATCHES SHALL MEET MHOT REQUIREMENTS.		

SECTION

2" BITUMINOUS CONCRETE
BINDER COURSE; 3/4" - 50
ORATION

4" CRUSHED GRAVEL
(NHDOT ITEM 304.3)

8" BANK RUN GRAVEL
(NHDOT ITEM 304.2)

NOT TO SCALE

COMPACTED SUBGRADE TO 95%
MAXIMUM DRY DENSITY PER
ASTM D1557 WITHIN 3% OF
OPTIMUM MOISTURE CONTENT

NOTES:

- 1.) BITUMINOUS MATERIALS SHALL CONFORM TO NHDOT SPECIFICATION SUBSECTION 401.3.6.
- 2.) PAVEMENT BASE COURSE AGGREGATE SHALL CONFORM TO NHDOT SPECIFICATION SECTION 304, ITEM 304.3 AND COMPACTED TO A MINIMUM OF 95% OF MODIFIED PROCTOR MAXIMUM DRY DENSITY ASSUMING THE EXISTING MATERIALS ARE NOT OF HIGH QUALITY AS DETERMINED BY THE OWNER.
- 3.) PAVEMENT SUBBASE COURSE AGGREGATE AND AGGREGATE FOR SUBGRADE REPAIR AREAS SHALL BE SUITABLE FOR USE AS STRUCTURAL FILL AND BE PROPORTIONED AND COMPACTED TO 90% OF MODIFIED PROCTOR MAXIMUM DRY DENSITY.

BITUMINOUS CONCRETE PAVEMENT SECTION

NOT TO SCALE

18'-20" STEEL POLE
PAINTED BRONZE
SEE SITE PLAN FOR DETAILS

STEEL BASE PLATE,
1/2" THICK, WELD
TO COLUMN

ANCHOR BOLTS, 4 REQ'D.

LINE OF GRADE OR PAVING

ELECTRICAL FEED TO
LIGHT POLE, REFER TO
PANEL SCHEDULE FOR
SIZE OF CONDUIT AND
CONDUCTORS

18" DIAMETER CONCRETE
FOUNDATION. SONATUBE
FORM ABOVE GRADE.
(REMOVE FORM AFTER
CONCRETE HAS SET.)

REINFORCE WITH (4)-#4
BARS AND #3 TIES
AT 12" ON CENTER.

1'-6"

5'-0"

1'-8"

MIN.

3/4" X 8' DRIVEN
GROUND ROD WITH
#8 CU. GROUND

PAINTED YELLOW OR GRAY
SEE SITE PLAN FOR DETAILS

POLE FOUNDATION

PARKING SPACE DETAIL
NOT TO SCALE

NOTES:

- 1.) PROVIDE TWO COATS OF PAINT ON ALL PARKING LINES.
- 2.) SEE PROPOSED SITE PLANS FOR LOCATION OF PARKING SPACES.
- 3.) PAINTED SPACES ONLY WHERE MARKED ON SITE PLAN

GUARD RAIL (STEEL
BACKED WOODEN RAIL)
NOT TO SCALE

NOTES:

1. POST TYPE : 10" x 12" WOOD
2. BEAM TYPE : 6" x 10" WOOD WITH STEEL PLATE BACKING
3. POST SPACING : 10'-0" O.C.
4. NOMINAL BARRIER HEIGHT : 27"
5. STEEL PLATE BACKING AND SPLICE PLATE - A36 GALVANIZED STEEL
6. ALL BOLTS & WASHERS TO BE GALVANIZED

POST/RAIL CONNECTION DETAIL

6" x 8" x 9'-9 1/2"

4" x 1" hole (top of Timber Rail)

6" x 8" x 3'-0"

5/8" x 12" long Corrosion balls (Typ)

NOTES:

1. POST TYPE : 10" x 12" WOOD
2. BEAM TYPE : 6" x 10" WOOD WITH STEEL PLATE BACKING
3. POST SPACING : 5'-0" O.C.
4. NOMINAL RAILER HEIGHT : 23"

END NORMAL SECTION

Timber rail

Post

26'-0" (4 POST AT 5'-0" ON CENTER)

20'-0" (4 POST AT 5'-0" ON CENTER)

10'-0"

STEEL BACKED WOOD GUARD RAIL TERMINAL UNIT DETAIL

IN EARTH

IN PAVEMENT

4" TOPSOIL

APPROVED COMPACTED BACKFILL(95% MAX DRY DENSITY) COMPACTION PER ASTM D1557 IN 8" LIFTS

CONFIRM WITH UTILITY COMPANY

4'-0" (FOR GAS)
3'-0" (FOR TEL. & CATV)
3'-0" (FOR TEL. & CATV)

UTILITY PIPE, SIZE, AND MATERIAL PER UTILITY PROVIDER REQUIREMENTS

BOTTOM OF CONDUIT TRENCH

7" SAND BED FROM MAIN TO METER PIT (GAS LINE ONLY)
1'0" MIN IN ROCK.

SEE OTHER DETAILS FOR PAVEMENT SECTION

TRENCH WIDTH: 1'-6" (GAS)
1'-0" ELECT., TELE. AND CATV.
3'-0" WHEN ELECT., TEL., & CATV. ARE GROUPED IN TRENCH

METAL STRIPS BURIED 12" ABOVE P.E. PIPE EVERY 5' & AT BENDS (GAS LINES ONLY)
MARKING TAPE BURIED OVER ELECTRIC AND TELEPHONE CONDUITS

12" SAND COVER OVER PIPE

SPECIAL FOUNDATION, IF ORDERED BY ENGINEER, TO BE INSTALLED IN UNSUITABLE SOIL AREAS

ELECTRICAL, TELEPHONE, AND GAS TRENCH

NOT TO SCALE

STEEL RAIL

STEEL RAIL DETAIL

PLAN VIEW

ELEVATION

END SECTION

NOTES:

1. USE IN HEAVY TRAFFIC AREAS.
2. STEEL BACKER TO BE 10 OR 12 GAGE STEEL.
3. USE 6"-0" POSTS WHEN FILL SLOPE IS 4:1 OR FLATTER.
4. ALL RAILS & POSTS TO BE TREATED WITH PRESERVATIVE MATERIAL CONFORMING TO AASHTO M133.

Diagram illustrating a post connection detail. The diagram shows a timber roof truss structure. A steel splice plate is used to connect the timber members. The splice plate is labeled "Steel splice plate". The timber members are labeled "Timber roof". The steel members are labeled "Steel roof". The connection is labeled "POST CONNECTION DETAIL".

NOTES:

1. POST TYPE : 10" x 12" WOOD
2. BEAM TYPE : 6" x 10" WOOD WITH STEEL PLATE BACKING
3. POST SPACING : 10'-0" O.C.
4. NOMINAL BARRIER HEIGHT : 27"
5. STEEL PLATE BACKING AND SPLICE PLATE - A36 GALVANIZED STEEL
6. ALL BOLTS & WASHERS TO BE GALVANIZED

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A circular professional engineer seal for the State of New Hampshire. The outer ring contains the text "STATE OF NEW HAMPSHIRE" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by dashes. The center of the seal contains the name "KENNETH A. BERRY", the license number "No. 14243", and the word "LICENSED" at the bottom. The seal is stamped over a document with handwritten text.

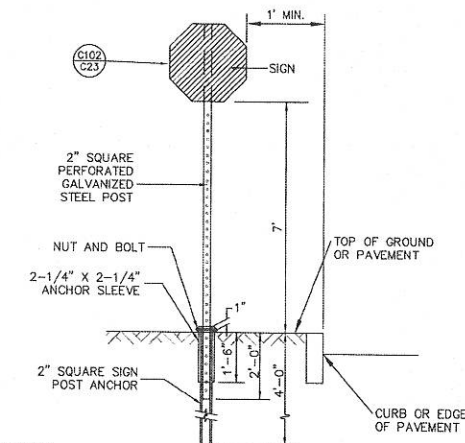
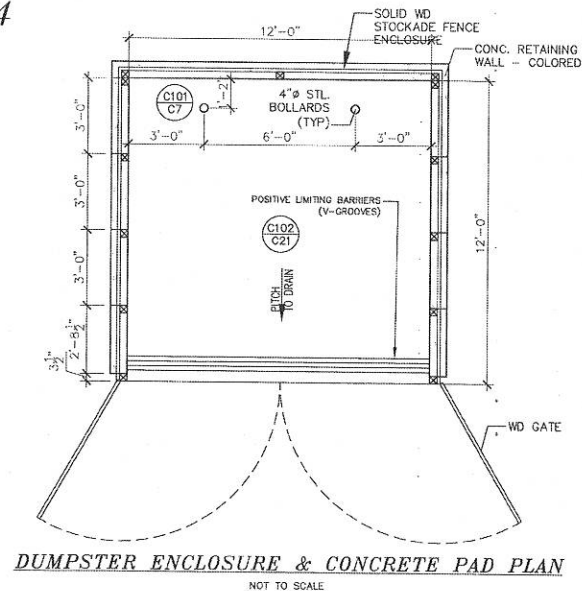
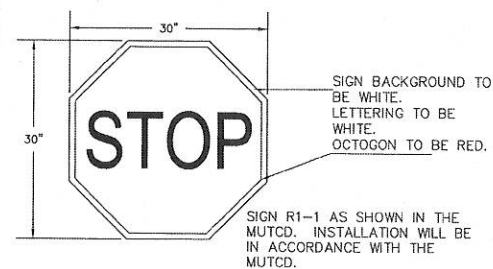
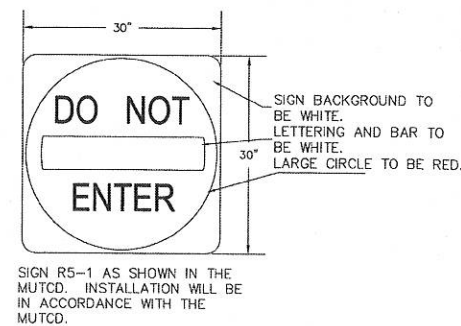
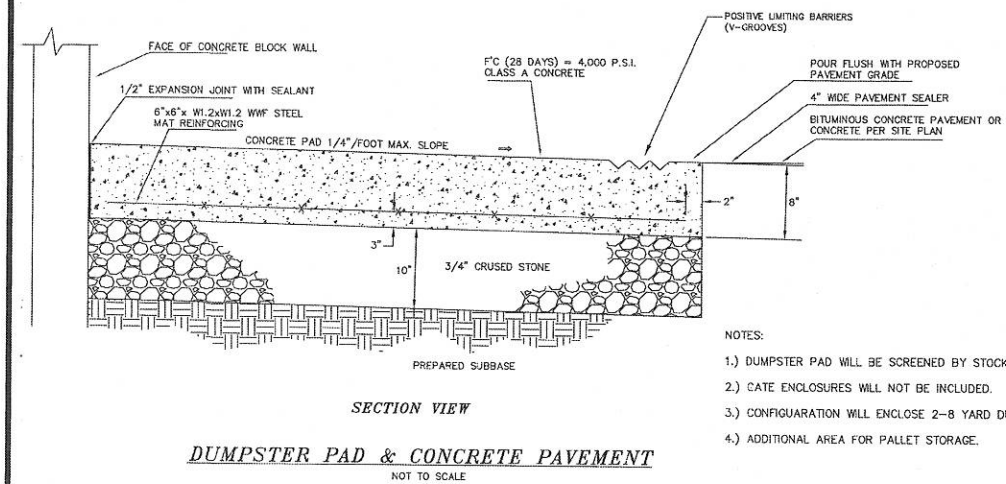
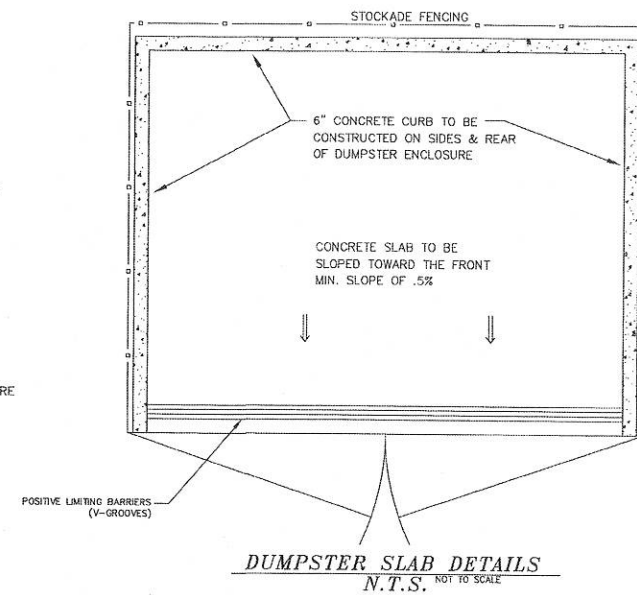
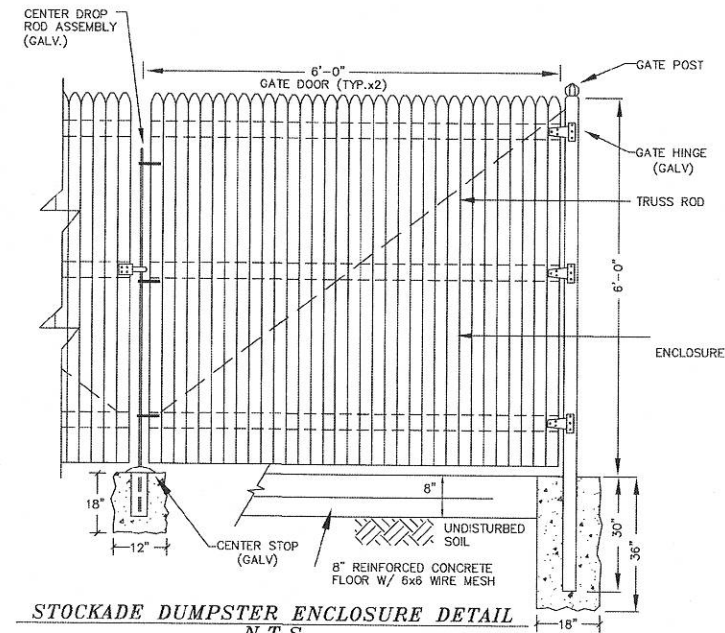
SHEET 14 OF 16

SEP 10 2015

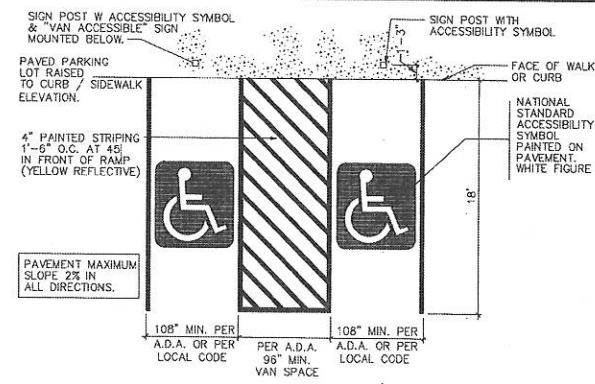
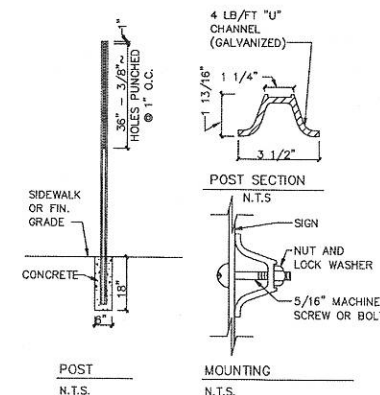
C-101

RECEIVED

C20



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



C25

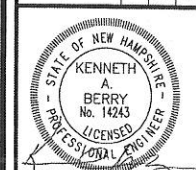
C-102

REVISION	DATE	DESCRIPTION

CONSTRUCTION DETAILS
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L1

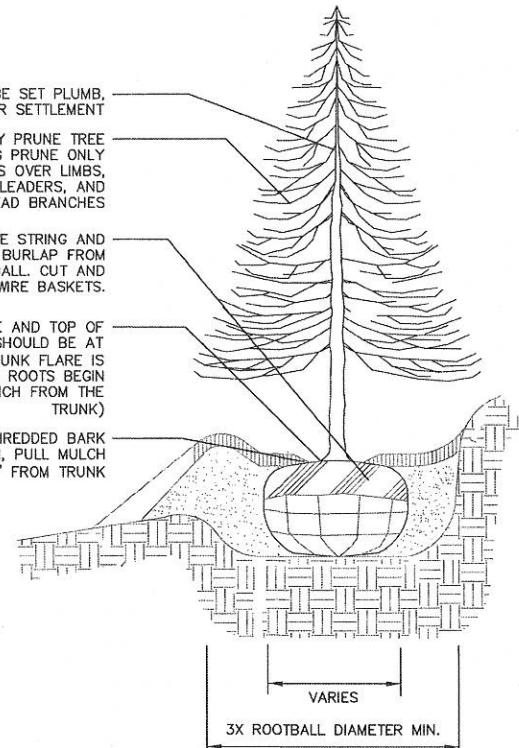
TREE TO BE SET PLUMB,
AFTER SETTLEMENT

DO NOT HEAVILY PRUNE TREE
AT PLANTING PRUNE ONLY
CROSS OVER LIMBS,
CO-DOMINANT LEADERS, AND
DAMAGED OR DEAD BRANCHES

REMOVE STRING AND
BURLAP FROM
ROOTBALL. CUT AND
REMOVE WIRE BASKETS.

TRUNK FLARE AND TOP OF
ROOTBALL SHOULD BE AT
GRADE (TRUNK FLARE IS
WHERE THE ROOTS BEGIN
TO BRANCH FROM THE
TRUNK)

3" SHREDDED BARK
MULCH, PULL MULCH
BACK 4" FROM TRUNK



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.

EVERGREEN TREE PLANTING

L4

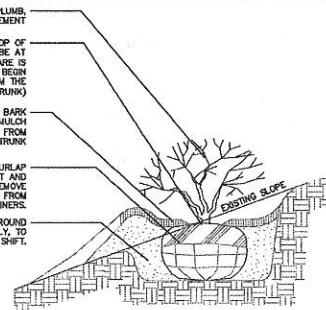
SHRUB TO BE SET PLUMB,
AFTER SETTLEMENT

TRUNK FLARE AND TOP OF
ROOTBALL SHOULD BE AT
GRADE (TRUNK FLARE IS
WHERE THE ROOTS BEGIN
TO BRANCH FROM THE
TRUNK)

3" SHREDDED BARK
MULCH, PULL MULCH
BACK 4" FROM TRUNK

REMOVE STRING AND BURLAP
FROM ROOTBALL. CUT AND
REMOVE WIRE BASKETS. REMOVE
CONTAINERIZED PLANTS FROM
THEIR CONTAINERS.

TAMP BACKFILL SOIL AROUND
ROOTBALL FIRMLY, TO
MINIMIZE ROOTBALL SHIFT.



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

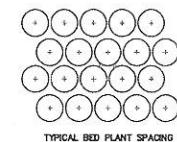
TYPICAL SHRUB PLANTING

12" LOAM BACKFILL (CONTINUOUS
THROUGHOUT BED AREA)

3" DEEP SHREDDED
BARK MULCH



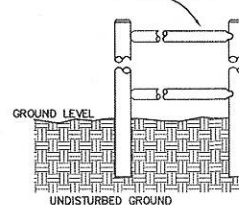
TYPICAL PERENNIAL PLANTING



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

L7

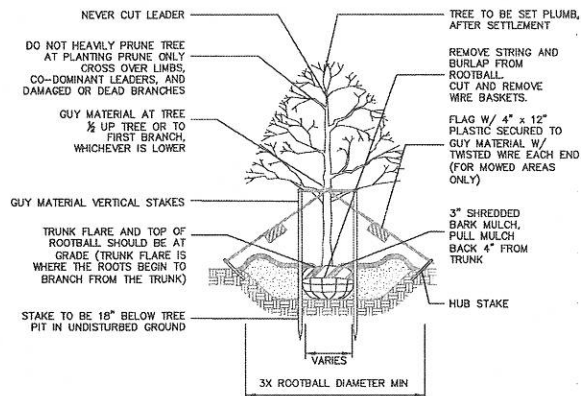
8" LONG ROUND WOOD RAIL
WITH DOWELED ENDS
TO BE INSTALLED PARALLEL
WITH EACH OTHER AND THE
GROUND SURFACE.



TYPICAL POST & RAIL FENCE DETAIL

N.T.S.

L2

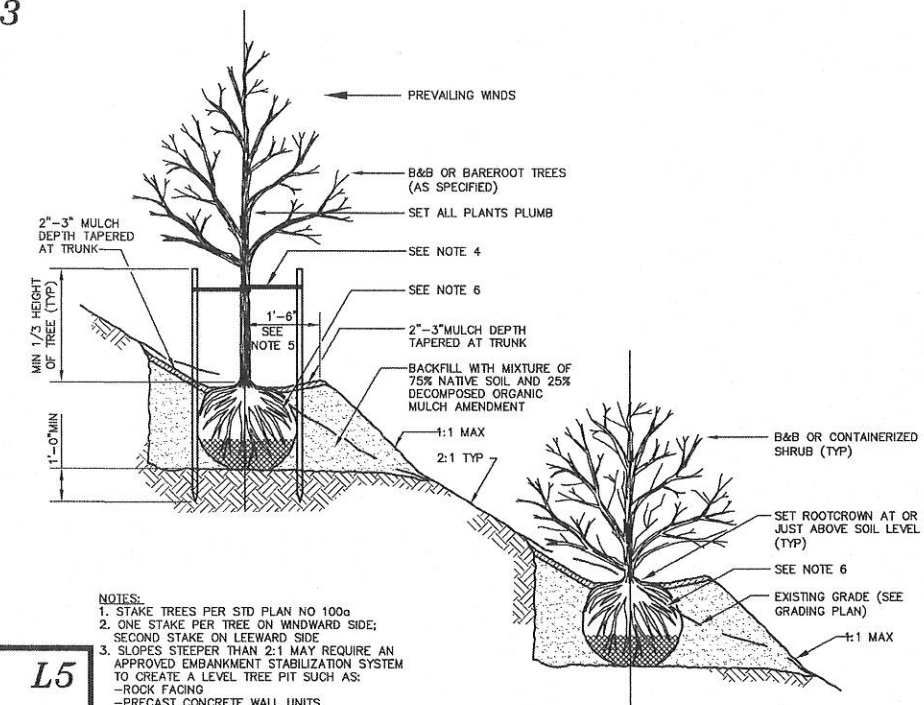


NOTES:

- 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.

DECIDUOUS TREE PLANTING

L3

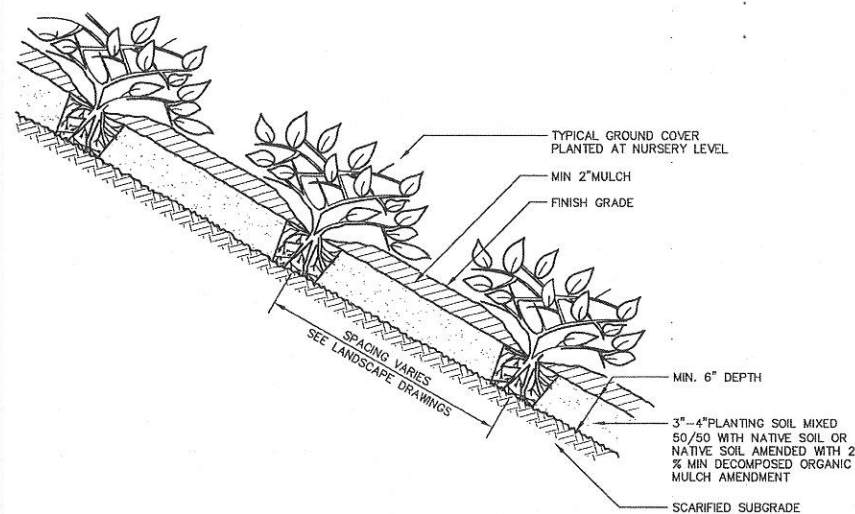


NOTES:

- STAKE TREES PER STD PLAN NO 100a
- 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.

TREE PLANTING ON SLOPES

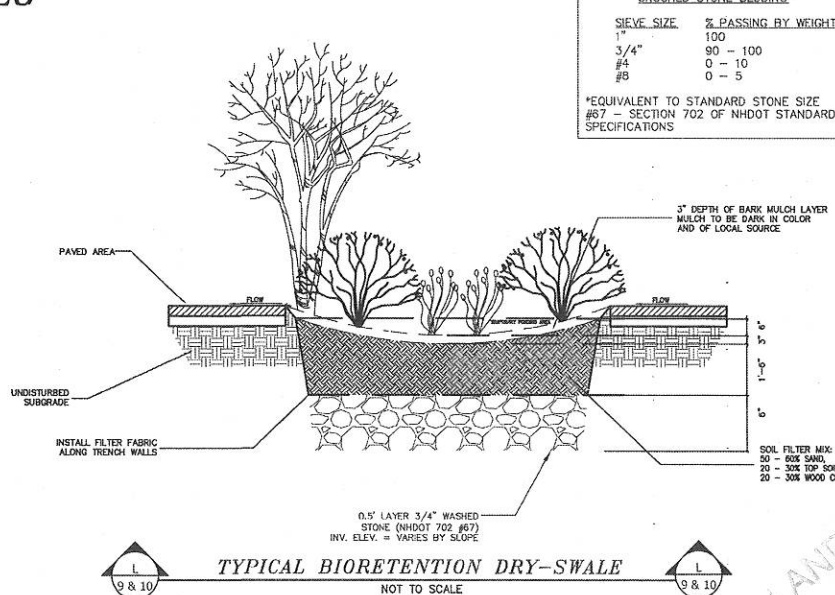
L5



TYPICAL SLOPE GROUND COVER PLANTINGS

L11

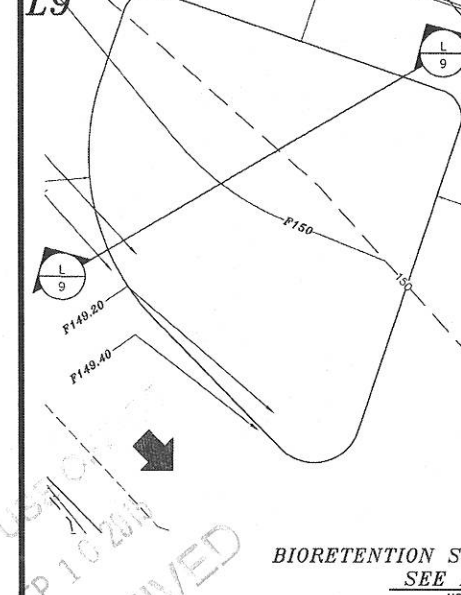
L8



TYPICAL BIORETENTION DRY-SWALE

NOT TO SCALE

L9

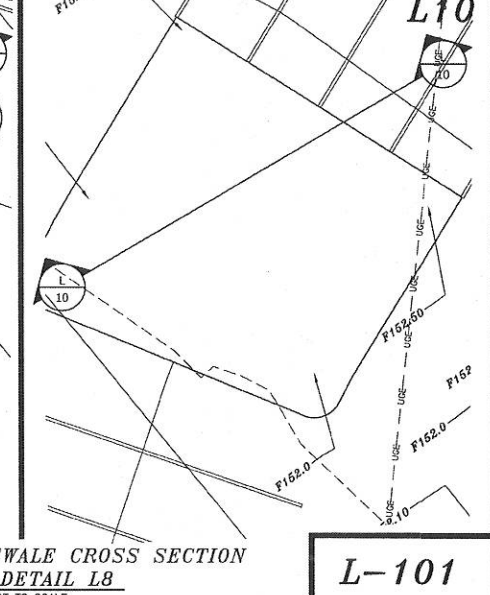


BIORETENTION SWALE CROSS SECTION

SEE DETAIL L8

NOT TO SCALE

L10

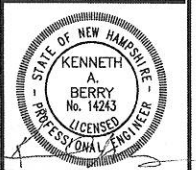


L-101

REVISION	DATE	DESCRIPTION

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 16 OF 16