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PROPOSED SITE PLAN  
FOR  
THE JOURNEY BAPTIST CHURCH  
8 EASTERN AVENUE  
BARRINGTON, N.H.  
TAX MAP 235, LOT 83

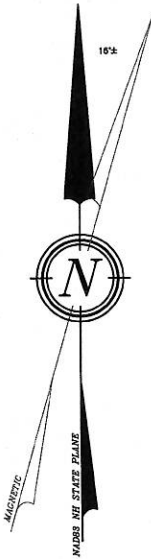
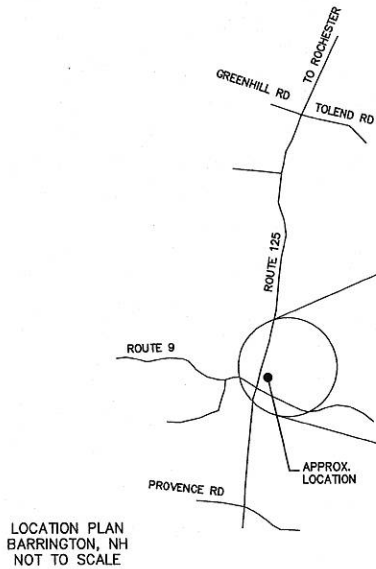
OWNER: THE JOURNEY BAPTIST CHURCH  
P.O. BOX 707  
BARRINGTON, NH 03825

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

DEVELOPER: THE JOURNEY BAPTIST CHURCH  
P.O. BOX 707  
BARRINGTON, NH 03825

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

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



REQUIRED PERMITS:

NOI ~ SWPPP ~ TO BE ON FILE 3 WEEKS BEFORE CONSTRUCTION

BERRY SURVEYING & ENGINEERING CAN PROVIDE THE SWPPP AND THE FILING OF THE NOTICE OF INTENT WHICH IS REQUIRED BY THE EPA. A CAPABLE AND KNOWLEDGEABLE PERSON IS TO DO ON-SITE EROSION CONTROL INSPECTIONS PER THE NOTICE OF INTENT. BERRY SURVEYING & ENGINEERING CAN PROVIDE THIS SERVICE IF REQUESTED.

A PRE-CONSTRUCTION MEETING IS REQUIRED BEFORE CONSTRUCTION ACTIVITIES TAKE PLACE. THOSE PRESENT SHOULD INCLUDE THE OWNER OF RECORD, DESIGN ENGINEER, CONSTRUCTION MANAGER, TOWN ENGINEER OR DESIGNEE, AND HEAD OF THE PLANNING DEPARTMENT OR DESIGNEE.

NOTE:

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

GENERAL PLAN SET NOTES:

- 1.) 11"x17" 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.
- 3.) FOR MORE INFORMATION ABOUT THIS SUBDIVISION, CONTACT THE TOWN OF BARRINGTON PLANNING DEPARTMENT.

LAND USE OFFICE  
JUL 15 2015  
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BERRY SURVEYING & ENGINEERING  
335 SECOND CROWN POINT ROAD  
BARRINGTON, NH 03825 {332-2863}

SCALE : AS-NOTED  
DATE : JULY 14, 2015  
FILE NO. : DB 2013-001

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

COVER SHEET  
THE JOURNEY BAPTIST CHURCH  
8 EASTERN AVENUE  
BARRINGTON, N.H.  
TAX MAP 235, LOT 83

REVISION	DATE	DESCRIPTION

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
- 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

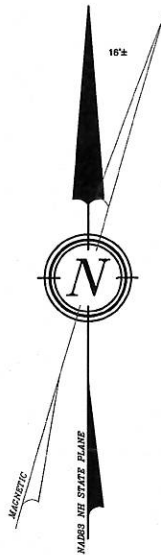
EXISTING SECTOR CABINET AND ELECTRIC MANHOLE

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	NC. OF SIGNS	BACKGROUND	LEGEND	BORDER	POST SIZE & QUANTITY	UNIT AREA	AREA (Sq.Ft.)
R1-1	30"x30"	STOP	SEE STANDARD HIGHWAY SIGNS 2004 EDITION PUBLISHED BY USDOT - FHWA	1	RED	WHITE	WHITE	U-CHANNEL (1)	6.25	6.25
R7-8	30"x30"	RESERVED PARKING	SEE STANDARD HIGHWAY SIGNS 2004 EDITION PUBLISHED BY USDOT - FHWA	6	WHITE	BLACK	BLACK	U-CHANNEL (1)	6.25	6.25
R5-1A	15"x30"	WRONG WAY	SEE STANDARD HIGHWAY SIGNS 2004 EDITION PUBLISHED BY USDOT - FHWA	0	WHITE	BLACK	WHITE	U-CHANNEL (1)	6.25	6.25
R7-1	30"x15"	NO PARKING ANY TIME	SEE STANDARD HIGHWAY SIGNS 2004 EDITION PUBLISHED BY USDOT - FHWA	2	WHITE	BLACK	BLACK	U-CHANNEL (1)	3.12	3.12
R5-1	30"x30"	DO NOT ENTER	SEE STANDARD HIGHWAY SIGNS 2004 EDITION PUBLISHED BY USDOT - FHWA	1	WHITE	BLACK	BLACK	U-CHANNEL (1)	3.12	3.12
W11A-2	30"x30"	PEDESTRIAN CROSSING	SEE STANDARD HIGHWAY SIGNS 2004 EDITION PUBLISHED BY USDOT - FHWA	0	YELLOW	BLACK	BLACK	U-CHANNEL (1)	6.25	6.25
R6-1L	24"x8"	ONE WAY	SEE STANDARD HIGHWAY SIGNS 2004 EDITION PUBLISHED BY USDOT - FHWA	2	YELLOW	BLACK	BLACK	U-CHANNEL (1)	1.32	2.64
R8-31	30"x15"	NO PARKING	SEE STANDARD HIGHWAY SIGNS 2004 EDITION PUBLISHED BY USDOT - FHWA	3	YELLOW	BLACK	BLACK	U-CHANNEL (1)	3.12	6.24



AERIAL PHOTO  
BARRINGTON, N.H.  
SCALE: 1" = 300'±

PLAN REFERENCES:

- 1.) ARTHUR G. DAVIS  
SUMNER HALEY LAND  
BARRINGTON, NH  
BY: G. L. DAVIS & ASSOCIATES  
DATED: JULY 1973  
S.C.R.D.: POCKET 11, FOLDER 4, PLAN 31
- 2.) PLAN OF LOTS  
ARTHUR G. DAVIS  
BARRINGTON, NH  
BY: G. L. DAVIS & ASSOCIATES  
DATED: NOVEMBER 1973  
S.C.R.D.: POCKET 11, FOLDER 3, PLAN 56
- 3.) ARTHUR G. DAVIS  
FINAL PLAN LOT NOS 1-21  
SUMNER HALEY LAND  
BARRINGTON, NH  
BY: G. L. DAVIS & ASSOCIATES  
DATED: AUGUST 1975  
S.C.R.D.: PLAN 16A-7
- 4.) REVISED BOUNDARY SURVEY  
WALDRON B. HALEY  
BARRINGTON, NH  
BY: FREDERICK E. DREW ASSOCIATES  
DATED: JANUARY 1976  
S.C.R.D.: PLAN 17A-27
- 5.) SUBDIVISION PLAN  
DOVER FEDERAL SAVINGS AND LOAN ASSOCIATION  
BARRINGTON, NH  
BY: FREDERICK E. DREW ASSOCIATES  
DATED: JANUARY 1979  
S.C.R.D.: PLAN 22A-162
- 6.) EASEMENT PLAN OVER LAND OF  
THE DOVER ASSEMBLY OF GOD CHURCH  
N.H. ROUTE 125, BARRINGTON, NH  
FOR NEW ENGLAND TELEPHONE AND TELEGRAPH CO.  
BY: DURGIN, VERRA AND ASSOCIATES, INC.  
DATED: MAY 1995  
S.C.R.D.: PLAN 41A-82
- 7.) PROPOSED BUILDING SITE & DRIVEWAY CONFIGURATION  
OVER LAND OF  
THE DOVER ASSEMBLY OF GOD CHURCH  
N.H. ROUTE 125, BARRINGTON, NH  
FOR NEW ENGLAND TELEPHONE AND TELEGRAPH CO.  
BY: DURGIN, VERRA AND ASSOCIATES, INC.  
DATED: SEPTEMBER 1995
- 8.) SITE PLAN OF HALE'S COMMON  
IN BARRINGTON, NH  
TERA VIDE REALTY TRUST  
ROUTE 9, BARRINGTON, NH  
BY: PARKER SURVEY & ENGINEERING  
DATED: MAY 2002  
S.C.R.D.: PLAN 68-23

REVISION	DATE	DESCRIPTION

NEIGHBORHOOD PLAN  
THE JOURNEY BAPTIST CHURCH  
8 EASTERN AVENUE  
BARRINGTON, N.H.  
TAX MAP 235, LOT 83

BERRY SURVEYING & ENGINEERING  
335 SECOND CROWN POINT ROAD  
BARRINGTON, NH 03825 {332-2863}  
SCALE : AS-NOTED  
DATE : JULY 14, 2015  
FILE NO. : DB 2013-001



LAND USE OFFICE  
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NOTES:

- 1.) THE INTENT OF THIS PLAN SET IS TO DEMONSTRATE THE EXISTING CONDITIONS OF TAX MAP 235, LOT 89 AND DETAILS FOR THE PROPOSED RE-CONSTRUCTION OF THE PARKING, DRAINAGE, AND UTILITIES FOR THE CONTINUED USE AS A CHURCH.
- 2.) CURRENT OWNER: THE JOURNEY BAPTIST CHURCH  
P.O. BOX 707  
BARRINGTON, NH 03825
- 3.) THE PROJECT PARCEL IS LOT NO. 89, MAP 235 OF THE TOWN OF BARRINGTON TAX ASSESSOR'S MAPS.
- 4.) THE PROJECT PARCEL CONTAINS 2.94 ACRES OR 127,988 SQUARE FEET AREA OF LAND.
- 5.) TITLE REFERENCE FOR THE PROJECT PARCEL IS THE STRAFFORD COUNTY REGISTRY OF DEEDS, (S.C.R.D.) BOOK NO. 4116 PAGE NO. 404.
- 6.) LOCUS PARCEL IS SUBJECT TO EASEMENTS AS NOTED, SPECIFICALLY NET&T EASEMENT, S.C.R.D. BOOK 1861, PAGE 528, AND ENJOYS AN ACCESS EASEMENT THROUGH LAND OF DOVER FEDERAL SAVINGS BANK, S.C.R.D. BOOK 936, PAGE 475.
- 7.) ZONING: TOWN CENTER  
MIN. LOT SIZE: 20,000 Sq. Ft. - Z.O. 4.1.1  
MIN. FRONTAGE: 200'  
FRONT SETBACK: 50' - Z.O. 4.1.1(k) ROUTE 125  
SIDE SETBACK: 15'  
REAR SETBACK: 15'  
OPEN SPACE: 15% - Z.O. 3.3.6(2)  
MAX. LOT COVERAGE: 80% - Z.O. 4.1.1  
MAX. HEIGHT: 40' - THREE STORY
- 9.) PROPERTY LINE INFORMATION HAS BEEN OBTAINED FROM A SURVEY PERFORMED BY BERRY SURVEYING & ENGINEERING IN MAY 2014 & JUNE 2015 WITH AN ERROR OF CLOSURE GREATER THAN 1 IN 10,000.
- 10.) 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.
- 11.) I HEREBY CERTIFY THAT, TO THE BEST OF MY KNOWLEDGE & BELIEF, THIS PARCEL DOES NOT FALL WITHIN THE FLOOD PLAIN FLOOD HAZARD REF: FEMA COMMUNITY# -330178, MAP# - 330178, DATED: MAY 17, 2005 & FEMA COMMUNITY# -330150, MAP# - 33017803050, DATED: MAY 17, 2005
- 12.) SEE THE EXISTING CONDITIONS PLANS FOR LOCATIONS. THE PARCEL IS ALL WINDSOR LOAMY SAND WITHOUT ANY WETLANDS.
- 13.) SANCTUARY SEATING IS 275 SEATS. 69 PARKING SPACES ARE REQUIRED BY THE PROPOSED USE. 102 PARKING SPACES ARE PROVIDED BY THIS PLAN. (SEE PARKING CALCULATIONS ON SHEET 4.)
- 14.) 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 GIS OFFICE UPON COMPLETION OF PROJECT. AS-BUILT PLANS SHALL BE PREPARED AND CERTIFIED CORRECT BY A L.L.S. OR P.E.
- 15.) EXTERIOR LIGHTING SHALL BE CUT-OFF TYPE FIXTURES AND SHALL PROVIDE LIGHTING DIRECTED ON-SITE ONLY.
- 16.) TOPOGRAPHIC SURVEY PERFORMED BY BERRY SURVEYING & ENGINEERING IN MAY 2014 AND JUNE 2015.
- 17.) DATUM: PROJECT DATUM IS BASED ON GPS COORDINATES ESTABLISHED WITH A TOPCON HIPER SR RECEIVER IN JUNE 2014 AND REPRESENTED IN NEW HAMPSHIRE STATE PLANE COORDINATES NAD 1983 AND VERTICALLY BY NAVD 1988.
- 18.) ALL WATER MAIN AND SERVICE INSTALLATIONS SHALL CONFORM TO TOWN OF BARRINGTON STANDARDS.
- 19.) CONTRACTOR SHALL COORDINATE ALL ELECTRICAL INSTALLATIONS WITH EVERSOURCE AT (603) 436-7708. ALL ELECTRIC CONDUIT INSTALLATION SHALL BE INSPECTED BY EVERSOURCE PRIOR TO BACKFILL. A 48-HOUR MINIMUM NOTICE IS REQUIRED.
- 20.) CONTRACTOR SHALL COORDINATE ALL TELECOMMUNICATIONS INSTALLATIONS WITH FAIRPOINT COMMUNICATIONS AT (603) 427-5525, AS APPLICABLE.
- 21.) CONTRACTOR SHALL COORDINATE ALL CABLE INSTALLATIONS WITH METROCAST.
- 22.) ALL NEW ON-SITE UTILITIES SHALL BE INSTALLED UNDERGROUND.
- 23.) THE SUBJECT PARCEL IS SERVED BY PRIVATE WATER AND SEWER.
- 24.) TESTABLE BACKFLOW PREVENTORS SHALL BE PROVIDED FOR DOMESTIC WATER LINES.
- 25.) ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO APPLICABLE TOWN AND STATE CODES.
- 26.) ALL CONSTRUCTION SHALL CONFORM TO THE STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- 27.) PROTECTION OF SUBGRADE: THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN STABLE, DEWATERED SUBGRADES, TRENCHES, AND OTHER AREAS DURING CONSTRUCTION. SUBGRADE DISTURBANCE MAY BE INFLUENCED BY EXCAVATION METHODS, MOISTURE, PRECIPITATION, GROUNDWATER CONTROL, AND CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL TAKE PRECAUTIONS TO PREVENT SUBGRADE DISTURBANCE. SUCH PRECAUTIONS MAY INCLUDE DIVERTING STORMWATER RUNOFF AWAY FROM CONSTRUCTION AREAS, REDUCING TRAFFIC IN SENSITIVE AREAS, AND MAINTAINING AN EFFECTIVE DEWATERING PROGRAM. SOILS EXHIBITING HEAVING OR INSTABILITY SHALL BE OVER EXCAVATED TO MORE COMPETENT BEARING SOIL AND REPLACED WITH FREE DRAINING STRUCTURAL FILL MEETING THE ENGINEERS SPECIFIC RECOMMENDED CRITERIA.

- 28.) IF THE EARTHWORK IS PERFORMED DURING FREEZING WEATHER, EXPOSED SUBGRADES ARE SUSCEPTIBLE TO FROST. NO FILL OR UTILITIES SHALL BE PLACED ON FROZEN GROUND. THIS WILL LIKELY REQUIRE REMOVAL OF A FROZEN SOIL CRUST AT THE COMMENCEMENT OF EACH DAY'S OPERATION. THE FINAL SUBGRADE ELEVATION WOULD ALSO REQUIRE AN APPROPRIATE DEGREE OF INSULATION AGAINST FREEZING.
- 29.) PLACEMENT OF BORROW MATERIALS SHALL BE PERFORMED IN A MANNER THAT PREVENTS LONG TERM DIFFERENTIAL SETTLEMENT. EXCESSIVELY WET MATERIALS SHALL BE STOCKPILED AND ALLOWED TO DRAIN BEFORE PLACEMENT. FROZEN MATERIAL SHALL NOT BE USED FOR CONSTRUCTION. VOIDS BETWEEN STONES AND CLUMPS OF MATERIAL SHALL BE FILLED WITH FINE MATERIALS.
- 30.) SEE DETAILS CONCERNING SITE LAYOUT, DRAINAGE, UTILITY AND SEDIMENT AND EROSION CONTROLS.
- 31.) ALL CATCH BASINS SHALL BE PRE-CAST H-20 LOADING AND SHALL BE EQUIPPED WITH DEEP SUMPS (4" MIN.) AND HOODS UNLESS OTHERWISE NOTED (SEE DETAILS.) HOODS ARE TO BE "THE ELIMINATOR" BY KLEANSTREAM. RIMS ARE TO BE NHOOT "B" STYLE AND SHALL BE SET FLUSH WITH FINISH GRADE, UNLESS OTHERWISE INSTRUCTED DURING CONSTRUCTION BY ROCHESTER DPW. RIMS ABOVE FINISH GRADE WILL NOT BE ACCEPTED. ALL RIMS, GRATES AND COVERS ARE TO BE U.S.A MADE.
- 32.) ALL EROSION CONTROL NOTES SHALL INCLUDE PROVISIONS FOR CONSTRUCTION SEQUENCING, TEMPORARY EROSION CONTROL MEASURES, AND PERMANENT STANDARDS SUCH AS LOAM SPREAD RATE FOR DISTURBED AREAS, RATES OF LIME, TYPE AND RATES FOR FERTILIZER, AND SEED AND MULCH MIXTURE WITH RATES OF APPLICATION. FILTREXX SOXX IS PREFERRED OVER THE USE OF SILT FENCE. FENCING IS TO BE USED ON SITE ONLY AS REQ. AND DIRECTED BY THE SWPPP INSPECTOR.
- 33.) SEE SHEET E-101 FOR INLET PROTECTION DETAILS.
- 34.) EXISTING WATERLINE TO REMAIN IN PLACE UNTIL SUCH TIME AS THE SITE PLAN CONSTRUCTION ON ABUTTING PROPERTY, TAX MAP 238, LOT 4 TAKES PLACE. CONTRACTOR TO INSTALL DRY CTS WATERLINE IN ANTICIPATION OF ABUTTING CONSTRUCTION SO TRENCHING AND PATCHING WOULD NOT BE REQUIRED.
- 35.) 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.
- 36.) NOTE THAT THE PROJECT IS SUBJECT TO THE EPA NPDES PHASE II. THE NOTICE OF INTENT (NOI) MUST BE FILED ALONG WITH A STORMWATER POLLUTION PREVENTION PLAN (SWPPP). WEEKLY INSPECTIONS WILL BE CONDUCTED BY THE DESIGN ENGINEER.
- 37.) UPON FINAL COMPLETION AND 85% STABILIZATION THE DRAINAGE SYSTEM IS TO BE CLEANED OF ALL DEBRIS TO INCLUDE THE PUMPING OF THE BASIN SUMPS.
- 38.) ALL UNPAVED AREAS ARE TO RECEIVE 4" QUALITY LOAM AND SEED
- 39.) ALL BASINS AND DRAINS ARE TO HAVE BOOTS INSTALLED ON ALL INLETS AND OUTLETS
- 40.) THE LIMITS OF CONSTRUCTION DISTURBANCE SHALL BE STAKED, FLAGGED AND CLEARLY IDENTIFIED PRIOR TO THE COMMENCEMENT OF SITE WORK, AS APPLICABLE.
- 41.) ALL TREATMENT SWALE TO BE CONSTRUCTED SHALL HAVE SOD BOTTOMS.
- 42.) A LETTER OF CREDIT FOR THE COST OF RE-VEGETATING ALL DISTURBED AREAS ON THE SITE MAY BE REQUIRED PRIOR TO ANY EARTH DISTURBING ACTIVITY OCCURS, AS MAY BE APPLICABLE.
- 43.) A PRE-CONSTRUCTION CONFERENCE WITH THE DEVELOPER, THE DESIGN ENGINEER, THE EARTHWORK CONTRACTOR AND THE TOWN ENGINEER REPRESENTATIVE SHALL OCCUR PRIOR TO ANY EARTH DISTURBING ACTIVITY.
- 44.) BUILDING ADDRESSES SHALL NOT CHANGE.
- 45.) THE FOLLOWING FEDERAL AND STATE PERMITS HAVE BEEN ISSUED FOR THE SUBJECT PROPERTY: EPA NOTICE OF INTENT (NOI) THREE WEEKS PRIOR TO INITIATING CONSTRUCTION.
- 46.) LIST ANY VARIANCES OR SPECIAL EXCEPTIONS GRANTED BY THE ZONING BOARD OF ADJUSTMENT FOR THE PROPOSED STRUCTURE: NONE
- 47.) THIS PLAN PROPOSES 92,000 SQ. FT. OF DISTURBANCE.
- 48.) CALL DIG SAFE PRIOR TO BEGINNING WORK (1-888-344-7233)
- 49.) WRITTEN DIMENSION ON THIS PLAN TAKE PRECEDENCE OVER SCALED DIMENSIONS. THE CONTRACTOR SHALL USE CAUTION WHEN SCALING REPRODUCED PLANS AS THE REPRODUCTION PROCESS MAY DISTORT THE ORIGINAL SCALE. 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.
- 50.) SNOW IS TO BE MOVED OFF-SITE ONCE SNOW STORAGE AREAS ARE FULL.
- 57.) 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.
- 58.) REQUIRED EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY DISTURBANCE OF THE SITES 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.
- 59.) ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL CONFORM TO TOWN OF BARRINGTON SUBDIVISION REGULATIONS AND THE LATEST EDITION OF THE NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION.

REVISION		DATE	DESCRIPTION

GENERAL NOTES  
THE JOURNEY BAPTIST CHURCH  
8 EASTERN AVENUE  
BARRINGTON, N.H.  
TAX MAP 235, LOT 89

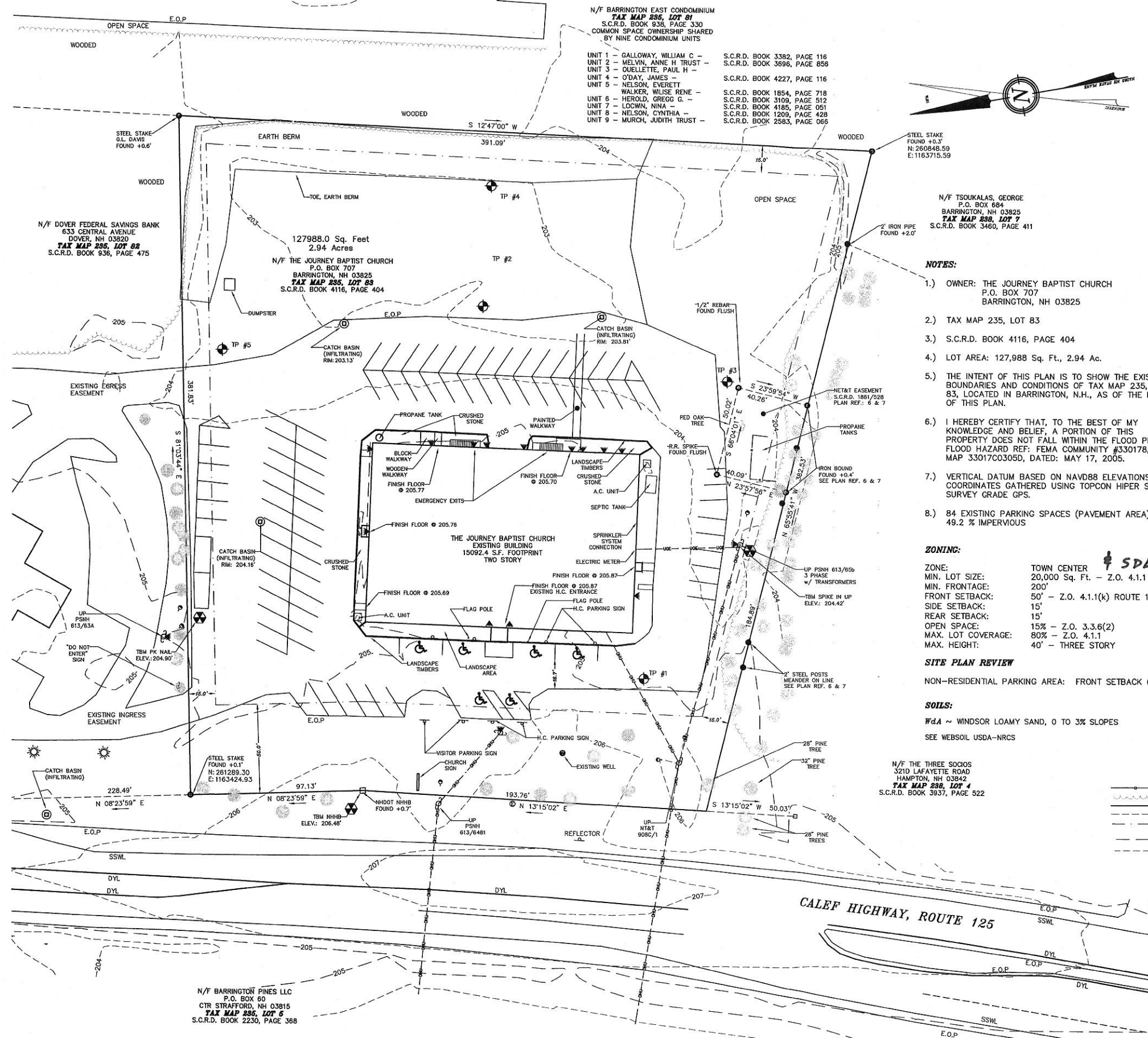
BERRY SURVEYING & ENGINEERING  
335 SECOND CROWN POINT ROAD  
BARRINGTON, NH 03825 {532-2863}  
SCALE : NONE  
DATE : JULY 14, 2015  
FILE NO. : DB 2013-001

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

LAND USE OFFICE

JUL 15 2015

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N/F BARRINGTON EAST CONDOMINIUM  
TAX MAP 235, LOT 81  
S.C.R.D. BOOK 936, PAGE 330  
COMMON SPACE OWNERSHIP SHARED  
BY NINE CONDOMINIUM UNITS

UNIT 1 - GALLOWAY, WILLIAM C - S.C.R.D. BOOK 3382, PAGE 116  
UNIT 2 - MELVIN, ANNE H TRUST - S.C.R.D. BOOK 3896, PAGE 856  
UNIT 3 - OUELLETTE, PAUL H - S.C.R.D. BOOK 4227, PAGE 116  
UNIT 4 - O'DAY, JAMES - S.C.R.D. BOOK 1854, PAGE 718  
UNIT 5 - NELSON, EVERETT WALKER, WILSE RENE - S.C.R.D. BOOK 3109, PAGE 512  
UNIT 6 - HEROLD, GREGG G. - S.C.R.D. BOOK 4185, PAGE 051  
UNIT 7 - LOCWIN, NINA - S.C.R.D. BOOK 1209, PAGE 428  
UNIT 8 - NELSON, CYNTHIA - S.C.R.D. BOOK 2583, PAGE 065  
UNIT 9 - MURCH, JUDITH TRUST -



N/F TSOUKALAS, GEORGE  
P.O. BOX 684  
BARRINGTON, NH 03825  
TAX MAP 235, LOT 7  
S.C.R.D. BOOK 3460, PAGE 411

NOTES:

- 1.) OWNER: THE JOURNEY BAPTIST CHURCH  
P.O. BOX 707  
BARRINGTON, NH 03825
- 2.) TAX MAP 235, LOT 83
- 3.) S.C.R.D. BOOK 4116, PAGE 404
- 4.) LOT AREA: 127,988 Sq. Ft., 2.94 Ac.
- 5.) THE INTENT OF THIS PLAN IS TO SHOW THE EXISTING BOUNDARIES AND CONDITIONS OF TAX MAP 235, LOT 83, 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 COMMUNITY #330178, MAP 33017C0305D, DATED: MAY 17, 2005.
- 7.) VERTICAL DATUM BASED ON NAVD88 ELEVATIONS. COORDINATES GATHERED USING TOPCON HIPER SR SURVEY GRADE GPS.
- 8.) 84 EXISTING PARKING SPACES (PAVEMENT AREA) 49.2 % IMPERVIOUS

ZONING:

ZONE: TOWN CENTER **SDA**  
MIN. LOT SIZE: 20,000 Sq. Ft. - Z.O. 4.1.1  
MIN. FRONTAGE: 200'  
FRONT SETBACK: 50' - Z.O. 4.1.1(k) ROUTE 125  
SIDE SETBACK: 15'  
REAR SETBACK: 15'  
OPEN SPACE: 15% - Z.O. 3.3.6(2)  
MAX. LOT COVERAGE: 80% - Z.O. 4.1.1  
MAX. HEIGHT: 40' - THREE STORY

SITE PLAN REVIEW

NON-RESIDENTIAL PARKING AREA: FRONT SETBACK (50') 4.9.2(1)

SOILS:

WdA ~ WINDSOR LOAMY SAND, 0 TO 3% SLOPES  
SEE WEBSOIL USDA-NRCS

N/F THE THREE SOCIOS  
3210 LAFAYETTE ROAD  
HAMPTON, NH 03842  
TAX MAP 235, LOT 4  
S.C.R.D. BOOK 3937, PAGE 522

PLAN REFERENCES:

- 1.) ARTHUR G. DAVIS  
SUMMER HALEY LAND  
BARRINGTON, NH  
BY: G. L. DAVIS & ASSOCIATES  
DATED: JULY 1973  
S.C.R.D.: POCKET 1, FOLDER 4, PLAN 31
- 2.) PLAN OF LOTS  
ARTHUR G. DAVIS  
BARRINGTON, NH  
BY: G. L. DAVIS & ASSOCIATES  
DATED: NOVEMBER 1973  
S.C.R.D.: POCKET 11, FOLDER 3, PLAN 56
- 3.) ARTHUR G. DAVIS  
FINAL PLAN LOT NOS 1-21  
SUMMER HALEY LAND  
BARRINGTON, NH  
BY: G. L. DAVIS & ASSOCIATES  
DATED: AUGUST 1975  
S.C.R.D.: PLAN 16A-7
- 4.) REVISED BOUNDARY SURVEY  
WALDRON B. HALEY  
BARRINGTON, NH  
BY: FREDERICK E. DREW ASSOCIATES  
DATED: JANUARY 1976  
S.C.R.D.: PLAN 17A-27
- 5.) SUBDIVISION PLAN  
DOVER FEDERAL SAVINGS AND LOAN  
ASSOCIATION  
BARRINGTON, NH  
BY: FREDERICK E. DREW ASSOCIATES  
DATED: JANUARY 1979  
S.C.R.D.: PLAN 22A-162
- 6.) EASEMENT PLAN OVER LAND OF  
THE DOVER ASSEMBLY OF GOD CHURCH  
N.H. ROUTE 125, BARRINGTON, NH  
FOR NEW ENGLAND TELEPHONE AND TELEGRAPH CO.  
BY: DURGIN, VERRA AND ASSOCIATES, INC.  
DATED: MAY 1995  
S.C.R.D.: PLAN 41A-82
- 7.) PROPOSED BUILDING SITE & DRIVEWAY CONFIGURATION  
OVER LAND OF  
THE DOVER ASSEMBLY OF GOD CHURCH  
N.H. ROUTE 125, BARRINGTON, NH  
FOR NEW ENGLAND TELEPHONE AND TELEGRAPH CO.  
BY: DURGIN, VERRA AND ASSOCIATES, INC.  
DATED: SEPTEMBER 1995  
S.C.R.D.: PLAN 48-6
- 8.) SITE PLAN OF HALE'S COMMON  
IN BARRINGTON, NH  
TERA VIDE REALTY TRUST  
ROUTE 9, BARRINGTON, NH  
BY: PARKER SURVEY & ENGINEERING  
DATED: MAY 2002  
S.C.R.D.: PLAN 68-23

LEGEND:

- STEEL STAKE
- IRON OR STEEL PIPE
- IRON BOUND
- GRANITE OR CONCRETE BOUND
- INDIVIDUAL CONIFER TREE
- INDIVIDUAL DECIDUOUS TREE
- BENCHMARK
- UTILITY POLE
- GUY WIRE
- STOCKAGE FENCE
- TREE LINE
- BOUNDARY LINE
- APPROX. ABUTTING PROPERTY LINE
- BUILDING SETBACK LINE
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR



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JUL 15 2015

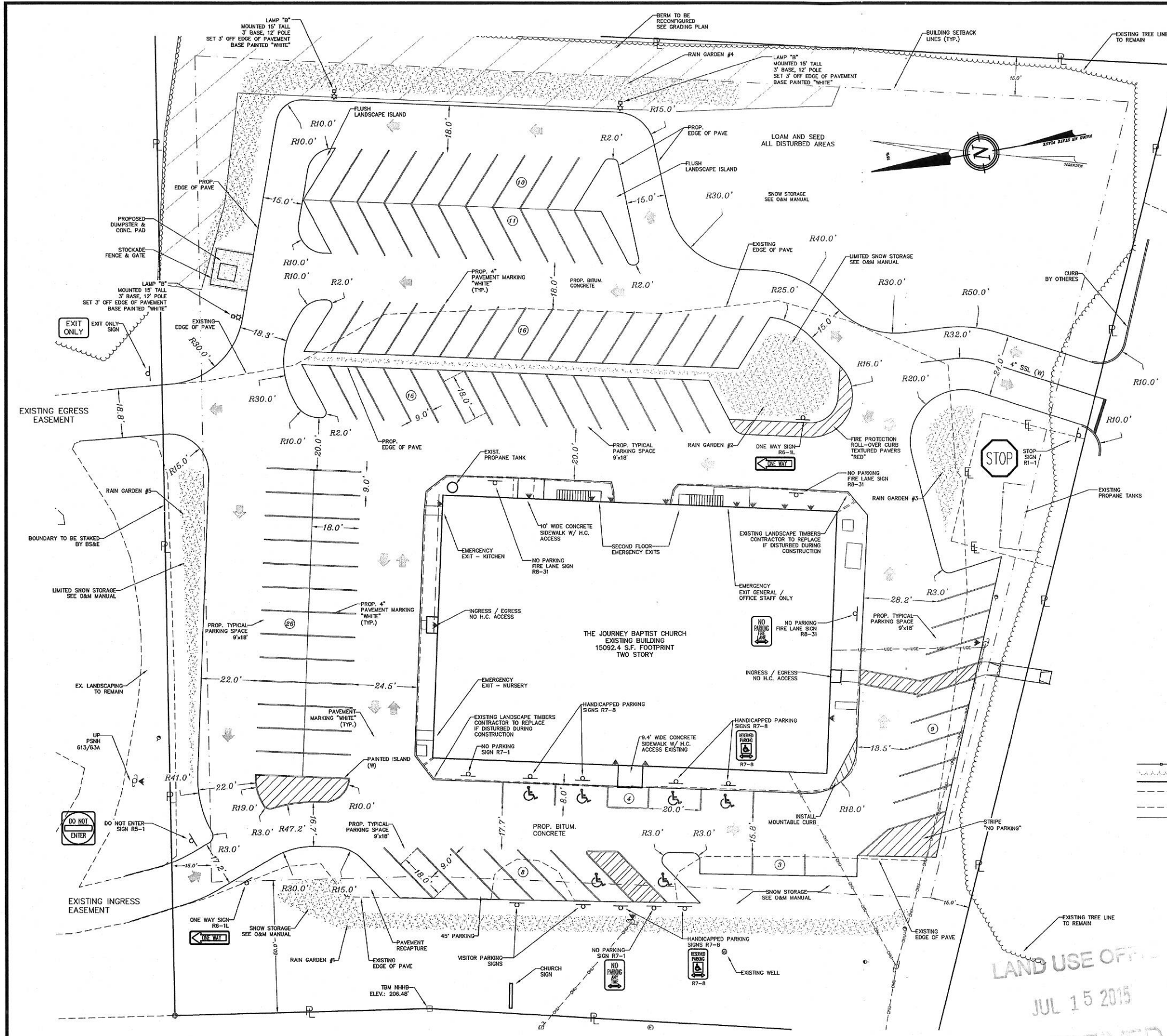
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I CERTIFY THAT THIS PLAT EXCEEDS THE  
MINIMUM REQUIREMENT FOR ACCURACY AND  
COMPLETENESS OF THE STATE OF N.H. AND  
OF THE TOWN OF BARRINGTON, N.H. - 1:10,000-  
KENNETH A. BERRY L.L.S. 805 DATE 7-14-15

BERRY SURVEYING & ENGINEERING  
335 SECOND CROWN POINT ROAD  
BARRINGTON, NH 03825 603-332-2863  
SCALE: 1 IN. EQUALS 30 FT.  
DATE: JULY 14, 2015  
FILE NO.: DB 2013 - 001

KENNETH A. BERRY  
L.L.S. 805  
DATE 7-14-15





- NOTES:**
- 1.) OWNER: THE JOURNEY BAPTIST CHURCH  
P.O. BOX 707  
BARRINGTON, NH 03825
  - 2.) TAX MAP 235, LOT 83
  - 3.) S.C.R.D. BOOK 4116, PAGE 404
  - 4.) LOT AREA: 127,988 Sq. Ft., 2.94 Ac.
  - 5.) THE INTENT OF THIS PLAN IS TO SHOW LAYOUT OF THE PROPOSED PAVEMENT, PARKING, AND ASSOCIATED SIGNS
  - 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 COMMUNITY #330178, MAP 33017C03050, DATED: MAY 17, 2005.
  - 7.) VERTICAL DATUM BASED ON NAVD88 ELEVATIONS. COORDINATES GATHERED USING TOPCON HIPER SR SURVEY GRADE GPS.
  - 8.) 102 PROPOSED PARKING SPACES  
57.3% IMPERVIOUS AREA
  - 9.) 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.
  - 10.) REQUIRED EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY DISTURBANCE OF THE SITE'S SURFACE AREA AND SHALL BE MAINTAINED THROUGHOUT 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.
  - 11.) ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL CONFORM TO TOWN OF BARRINGTON SUBDIVISION REGULATIONS AND THE LATEST EDITION OF THE NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION.

**ZONING:**

ZONE: TOWN CENTER  
MIN. LOT SIZE: 20,000 Sq. Ft. - Z.O. 4.1.1  
MIN. FRONTAGE: 200'  
FRONT SETBACK: 50' - Z.O. 4.1.1(k) ROUTE 125  
SIDE SETBACK: 15'  
REAR SETBACK: 15'  
OPEN SPACE: 15% - Z.O. 3.3.6(2)  
MAX. LOT COVERAGE: 80% - Z.O. 4.1.1  
MAX. HEIGHT: 40' - THREE STORY

**SITE PLAN REVIEW**

NON-RESIDENTIAL PARKING AREA: FRONT SETBACK (50') 4.9.2(1)

- LEGEND:**
- STEEL STAKE
  - IRON OR STEEL PIPE
  - IRON BOUND
  - GRANITE OR CONCRETE BOUND
  - INDIVIDUAL PINE TREE
  - BENCHMARK
  - UTILITY POLE
  - GUY WIRE
  - STOCKADE FENCE
  - TREE LINE
  - BOUNDARY LINE
  - APPROX. ABUTTING PROPERTY LINE
  - EXISTING EDGE OF PAVEMENT
  - PROPOSED EDGE OF PAVEMENT



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.

REVISION	DATE	DESCRIPTION

PROPOSED SITE PLAN  
THE JOURNEY BAPTIST CHURCH  
8 EASTERN AVENUE  
BARRINGTON, N.H.  
TAX MAP 235, LOT 83

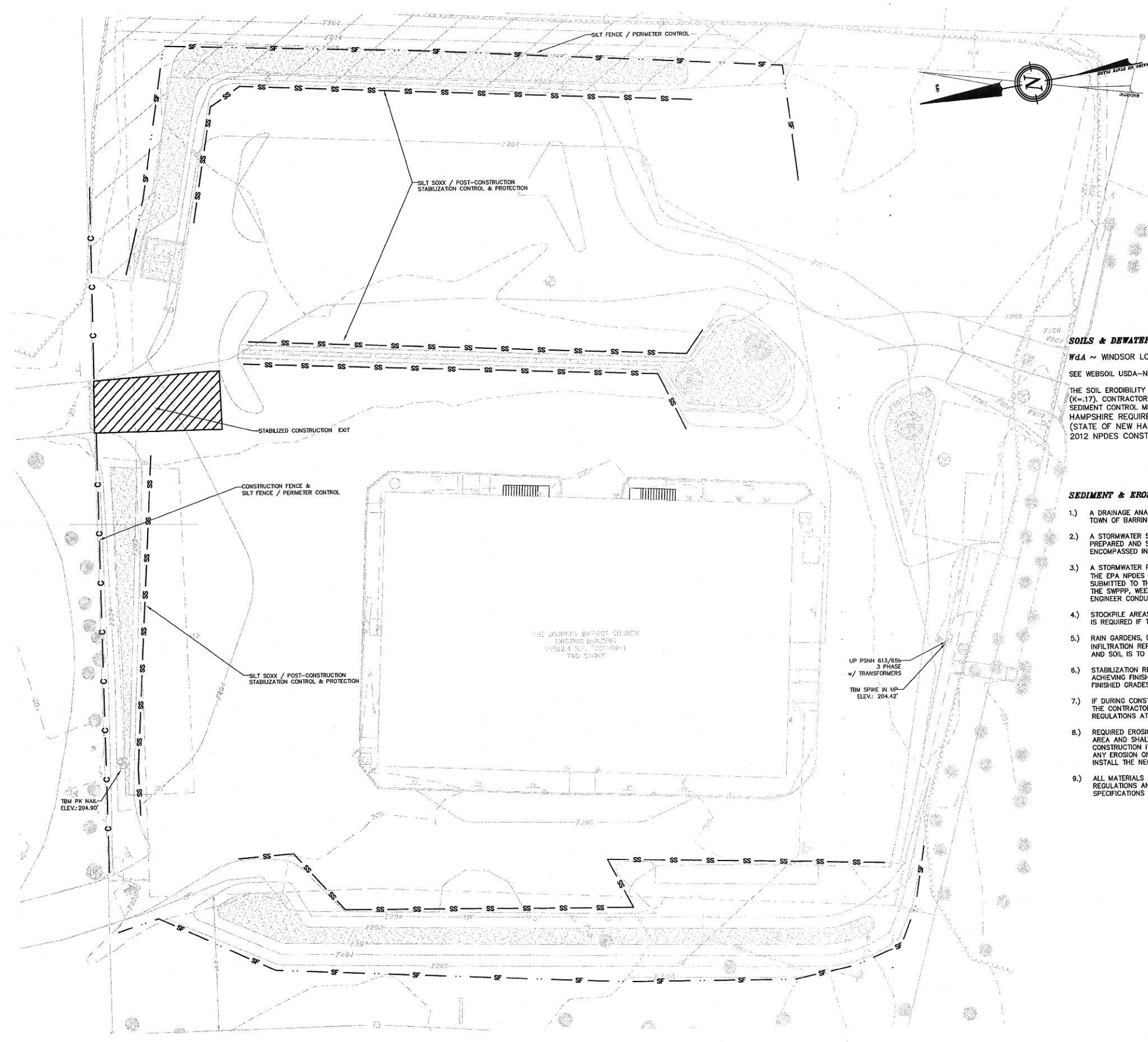
**BERRY SURVEYING & ENGINEERING**  
335 SECOND CROWN POINT ROAD  
BARRINGTON, NH 03825 603-332-2863  
SCALE: 1 IN. EQUALS 20 FT.  
DATE: JULY 14, 2015  
FILE NO.: DB 2013 - 001

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

SHEET 4 OF 19







- LEGEND:**
- STEEL STAKE
  - IRON OR STEEL PIPE
  - IRON BOUND
  - GRANITE OR CONCRETE BOUND
  - INDIVIDUAL PINE TREE
  - ⊕ BENCHMARK
  - UTILITY POLE
  - GUY WIRE
  - STOCKAGE FENCE
  - TREE LINE
  - BOUNDARY LINE
  - APPROX. ABUTTING PROPERTY LINE
  - SILT FENCE
  - FILTREX SILT SOXX
  - CONSTRUCTION FENCE
  - ▨ STABILIZED CONSTRUCTION EXIT

**SOILS & DEWATERING:**  
WdA ~ WINDSOR LOAMY SAND, 0 TO 3% SLOPES  
SEE WEBSOIL USDA-NRCS / SEE TEST HOLE RESULTS.  
THE SOIL ERODIBILITY FACTOR (K) OF WINDSOR SOIL IS RELATIVELY LOW IN SOILS DISTURBED BY CONSTRUCTION (K=17). CONTRACTOR TO BE AWARE OF THE SOIL PROFILES AND ENSURE THAT PROPER EROSION PREVENTION AND SEDIMENT CONTROL MEASURES ARE TAKEN AT ALL TIMES. ANY DEWATERING REQUIREMENTS IN NEW HAMPSHIRE REQUIRE SPECIAL PROVISIONS IN ACCORDANCE WITH THE "CLARIFICATION OF SECTION 9.1.2 (STATE OF NEW HAMPSHIRE CONDITIONS) AND OTHER NH SPECIFIC INFORMATION FOR THE U.S. EPA 2012 NPDES CONSTRUCTION GENERAL PERMIT (CGP)" DATED MAY 3, 2012 INCLUDED IN THE SWPPP.

- SEDIMENT & EROSION CONTROL NOTES:**
- 1.) A DRAINAGE ANALYSIS & SEDIMENT AND EROSION CONTROL PLAN HAS BEEN PREPARED AND SUBMITTED TO THE TOWN OF BARRINGTON AND ALL PROVISIONS OF THE ANALYSIS AND PLAN ARE ENCOMPASSED IN THIS PLAN SET.
  - 2.) A STORMWATER SYSTEM OPERATION AND MAINTENANCE PLAN & INSPECTION AND MAINTENANCE MANUAL WAS PREPARED AND SUBMITTED TO THE TOWN OF BARRINGTON. ALL PROVISIONS OF THE PLAN AND MANUAL ARE ENCOMPASSED IN THIS PLAN SET.
  - 3.) A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) MUST BE PREPARED FOR THIS PROJECT AS A FUNCTION OF THE EPA NPDES PROGRAM. AT LEAST 14 DAYS PRIOR TO BREAKING GROUND A NOTICE OF INTENT (NOI) MUST BE SUBMITTED TO THE EPA AND CONFIRMATION RECEIVED. INSPECTIONS WILL BE CONDUCTED IN ACCORDANCE WITH THE SWPPP, WEEKLY AND DIRECTLY AFTER STORM EVENTS. IT IS HIGHLY RECOMMENDED THAT THE DESIGN ENGINEER CONDUCT THE REQUIRED SWPPP INSPECTIONS.
  - 4.) STOCKPILE AREAS ARE TO BE PROTECTED WITH EROSION CONTROL MIX BERM OR SILT FENCE. TEMPORARY SEEDING IS REQUIRED IF THEY ARE TO REMAIN LONGER THAN 14 DAYS.
  - 5.) RAIN GARDENS, DRY-SWALES, AND DETENTION DEVICES ARE BEING USED FOR INFILTRATION PURPOSES. (SEE INFILTRATION REPORT) TRACK VEHICLES WILL AVOID COMPACTING THE SOIL IN THE VICINITY OF THESE STRUCTURES AND SOIL IS TO BE WELL SCARIFIED PRIOR TO THE INSTALLATION OF STONE.
  - 6.) STABILIZATION REQUIREMENTS: ALL ROADWAYS AND PARKING AREAS SHALL BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINISH GRADES. ALL CUT AND FILL SLOPES SHALL BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADES.
  - 7.) 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.
  - 8.) REQUIRED EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY DISTURBANCE OF THE SITE'S SURFACE AREA AND SHALL BE MAINTAINED THROUGHOUT 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.
  - 9.) ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL CONFORM TO TOWN OF BARRINGTON SUBDIVISION REGULATIONS AND THE LATEST EDITION OF THE NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION.

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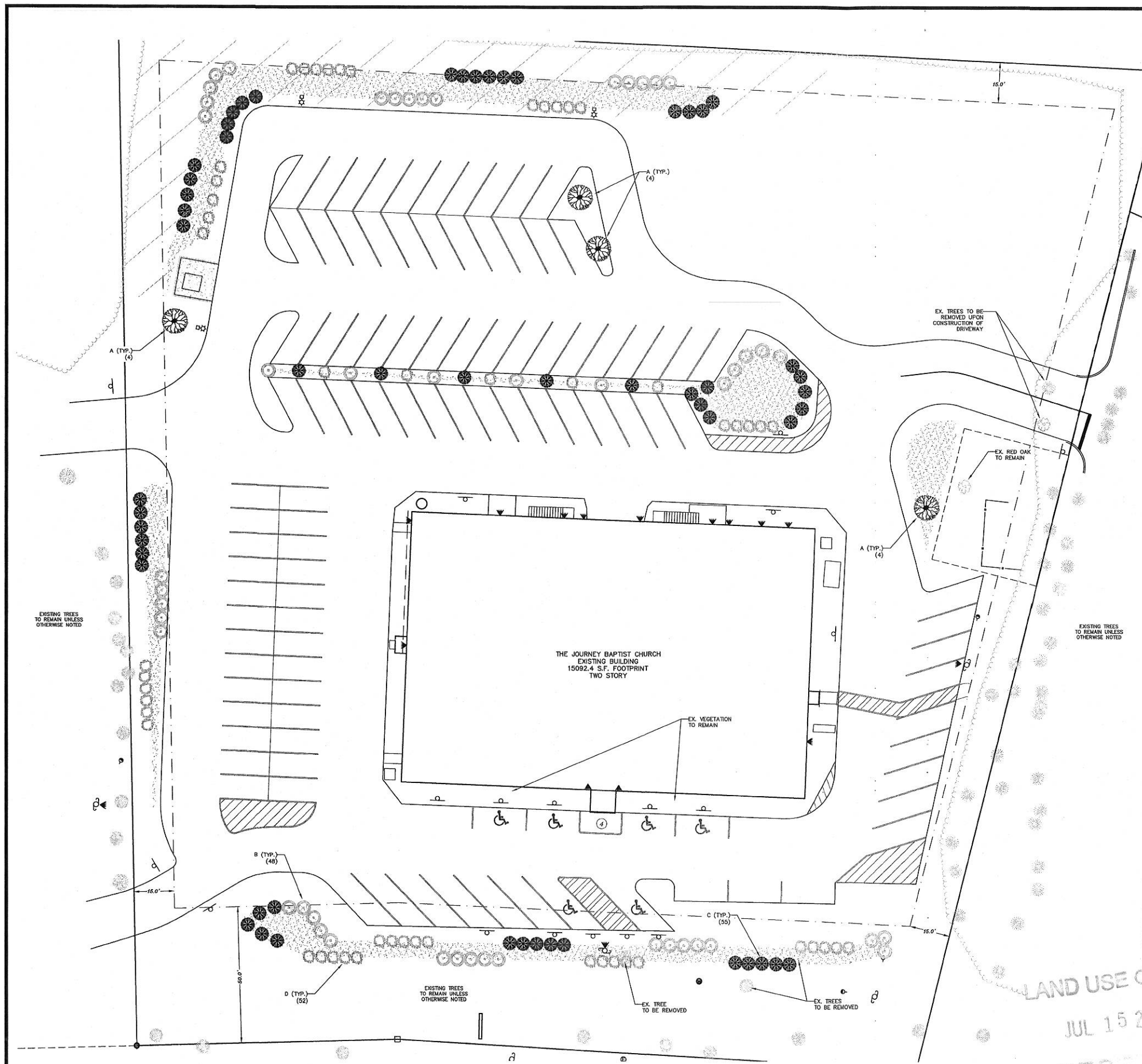
REVISION		DATE	DESCRIPTION

EROSION & SEDIMENT CONTROL PLAN  
THE JOURNEY BAPTIST CHURCH  
8 EASTERN AVENUE  
BARRINGTON, N.H.  
TAX MAP 235, LOT 83

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

SCALE : 1 IN. EQUALS 20 FT.  
DATE : JULY 14, 2015  
FILE NO. : DB 2013 - 001

SHEET 7 OF 19

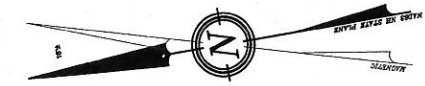


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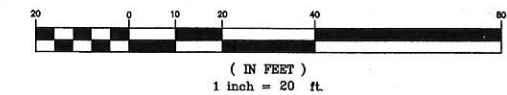
- 1.) OWNER: THE JOURNEY BAPTIST CHURCH  
P.O. BOX 707  
BARRINGTON, NH 03825
- 2.) TAX MAP 235, LOT 83
- 3.) S.C.R.D. BOOK 4116, PAGE 404
- 4.) CALL DIG SAFE PRIOR TO BEGINNING WORK. (1-888-344-7233). THE LANDSCAPE CONTRACTOR IS ADVISED OF THE PRESENCE OF UNDERGROUND UTILITIES AND SHALL VERIFY THE EXISTENCE 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.
- 5.) CONTRACTOR SHALL THOROUGHLY FAMILIARIZE THEMSELVES WITH ALL SITE CONDITIONS PRIOR TO CONSTRUCTION BIDDING.
- 6.) PROVIDE SMOOTH TRANSITION WHERE NEW WORK MEETS EXISTING CONDITIONS.
- 7.) ALL PLANT MATERIAL INSTALLED SHALL MEET THE SPECIFICATIONS OF "AMERICAN STANDARD FOR NURSERY STOCK" BY THE AMERICAN ASSOCIATION OF NURSERYMEN
- 8.) ALL PLANT MATERIALS SHALL BE FREE FROM INSECTS AND DISEASE.
- 9.) 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.
- 10.) ALL GRASS, OTHER VEGETATION AND DEBRIS SHALL BE REMOVED FROM ALL PLANTING AREAS PRIOR TO PLANTING.
- 11.) THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF EXISTING AND NEWLY PLANTED TREES AND SHRUBS DURING THE CONSTRUCTION PROCESS. WHERE REQUIRED, THE CONTRACTOR SHALL INSTALL TEMPORARY FENCING (SNOW OR EQUAL) AROUND EXISTING TREES AND SHRUBS THAT COULD BE IMPACTED BY THE CONSTRUCTION PROCESS. STORAGE OF CONSTRUCTION EQUIPMENT, CONSTRUCTION MATERIALS, SNOW STORAGE AND OR VEHICLE PARKING SHALL NOT BE PERMITTED WITHIN THE DRIP LINE OF TREES OR TWENTY FEET WHICH EVER IS GREATER.
- 12.) NEW PLANTINGS SHALL BE INSTALLED PER PROJECT DRAWINGS AND SPECIFICATION THAT INCLUDE FERTILIZATION AND MULCHING AS REQUIRED.
- 13.) ALL SHRUB BEDS AND TREE PITS SHALL BE MULCHED WITH 4" CLEAN SHREDDED AGED PINEBARK
- 14.) 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.
- 15.) 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 AN ADDITIONAL YEAR FROM TIME OF INSTALLATION.
- 16.) 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.
- 17.) THE GENERAL CONTRACTOR AND 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.
- 18.) 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.
- 19.) ALL PLANTINGS SHALL BE WATERED REGULARLY DURING THEIR FIRST YEAR AND MAINTAINED PERMANENTLY IN GOOD GROWING CONDITION AS AN EFFECTIVE VISUAL SCREEN.
- 20.) 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.
- 21.) ALL REQUIRED LANDSCAPING SHALL BE INSTALLED BEFORE OCCUPANCY, OR WITHIN SIX MONTHS IF OCCUPANCY OCCURS DURING WINTER CONDITIONS.
- 22.) TREES ARE TO BE 6' TALL AT PLANTING
- 23.) 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.
- 24.) 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.
- 25.) ALL LANDSCAPED AREAS NOT PLANTED WITH TREES, SHRUBS OR GROUND COVER SHALL BE RESTORED WITH LOAM AND SEED.
- 26.) TOPSOIL WILL BE TESTED FOR FERTILIZATION REQUIREMENTS, AND SLOW RELEASE ENVIRONMENTALLY FRIENDLY FERTILIZER WILL BE APPLIED AT THE RECOMMENDED RATES.
- 27.) ALL DISTURBED WETLAND BUFFER AREAS, EXCEPT FOR AREAS THAT ARE PART OF THE DRAINAGE SYSTEM, ARE TO BE RESEED WITH A CONSERVATION SEED MIX AND ONLY MOWED TWICE PER YEAR.

TREES AND SHRUBS

Sym	Qty	Botanical Name / Common Name	Root	Size
A	4	Quercus rubra / Red Oak	Cont.	3" Caliper, balled and burlapped
B	48	Pyrus calleryana 'Chanticleer' / Chanticleer flowering pear	Cont.	2"-2.5" Caliper, balled and burlapped
C	55	Fothergilla gardenii / Dwarf Fothergilla	Cont.	2' Ht. or 3 Gal.
D	52	Ilex glabra 'Nordic' / Nordic Inkberry	Cont.	2' Ht. or 3 Gal.



GRAPHIC SCALE



REVISION	DATE	DESCRIPTION

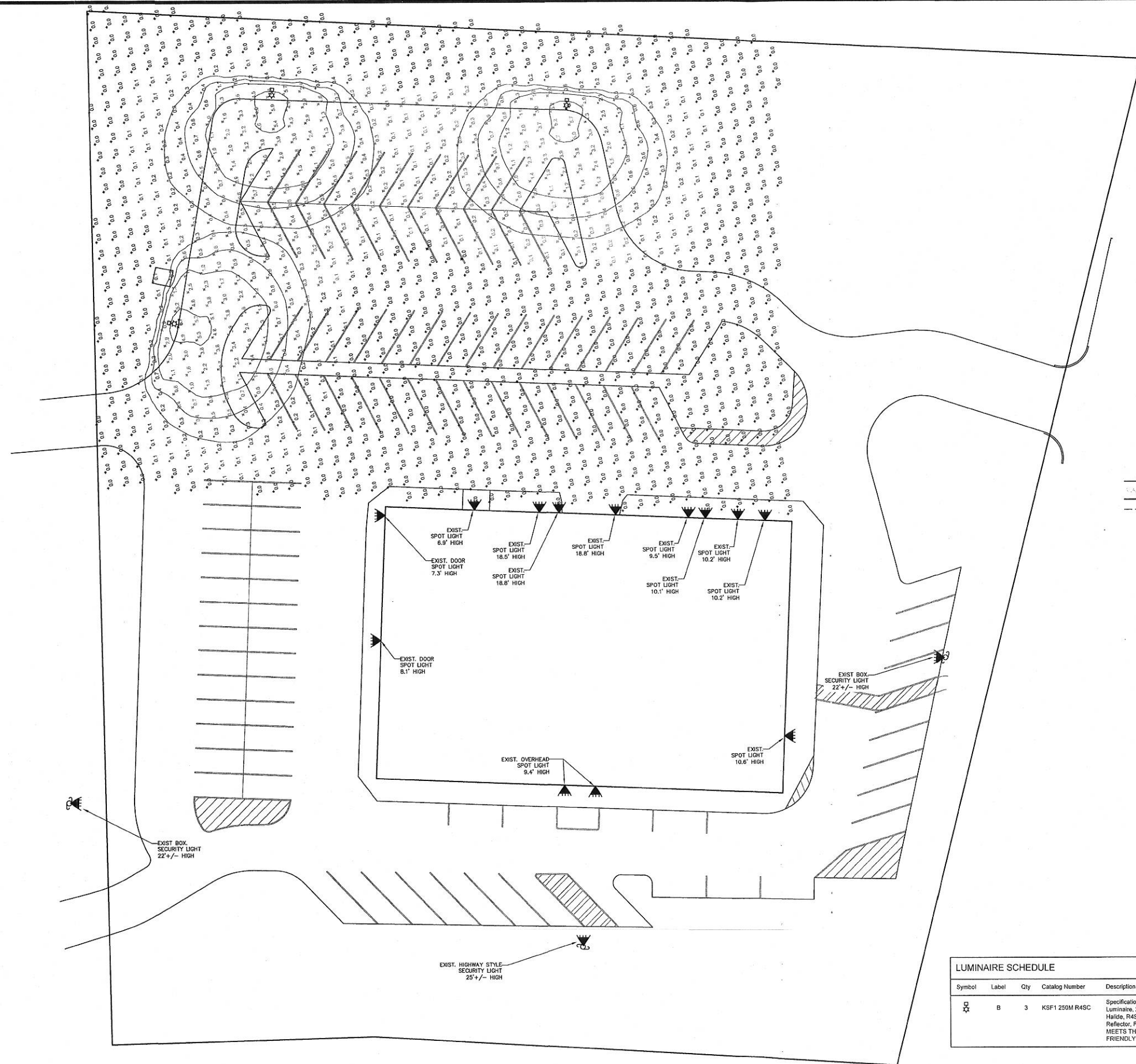
PROPOSED LANDSCAPING PLAN  
THE JOURNEY BAPTIST CHURCH  
8 EASTERN AVENUE  
BARRINGTON, N.H.  
TAX MAP 235, LOT 83

BERRY SURVEYING & ENGINEERING  
335 SECOND CROWN POINT ROAD  
BARRINGTON, NH 03825 603-332-2863  
SCALE: 1 IN. EQUALS 20 FT.  
DATE: JULY 14, 2015  
FILE NO.: DB 2013 - 001

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

SHEET 8 OF 19





- LEGEND:**
- STEEL STAKE
  - IRON OR STEEL PIPE
  - IRON BOUND
  - GRANITE OR CONCRETE BOUND
  - INDIVIDUAL PINE TREE
  - ⊕ BENCHMARK
  - UTILITY POLE
  - GUY WIRE
  - STOCKAGE FENCE
  - TREE LINE
  - BOUNDARY LINE
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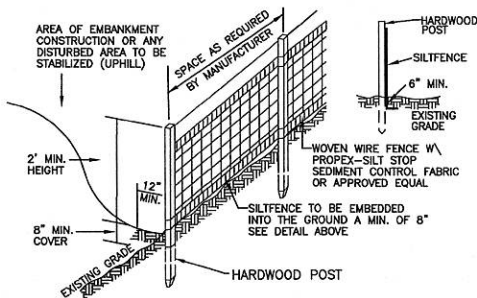
LUMINAIRE SCHEDULE									
Symbol	Label	Qty	Catalog Number	Description	Lamp	File	Lumens	LLF	Watts
⊙	B	3	KSF1 250M R4SC	Specification Area Luminaire, 250W Metal Halide, R4SC Sharp Cutoff Reflector, Full Cutoff MEETS THE NIGHTTIME FRIENDLY CRITERIA	ONE (1) 250 WATT CLEAR BT28 PULSE START METAL HALIDE LAMP IN HORIZONTAL POSITION	KSF1_250M_R 4SC.ies	20000	0.81	297

REVISION	DATE	DESCRIPTION

PROPOSED LIGHTING PLAN  
THE JOURNEY BAPTIST  
CHURCH  
8 EASTERN AVENUE  
BARRINGTON, N.H.  
TAX MAP 235, LOT 83

BERRY SURVEYING & ENGINEERING  
335 SECOND CROWN POINT ROAD  
BARRINGTON, NH 03825 603-332-2863  
SCALE : 1 IN. EQUALS 20 FT.  
DATE : JULY 14, 2015  
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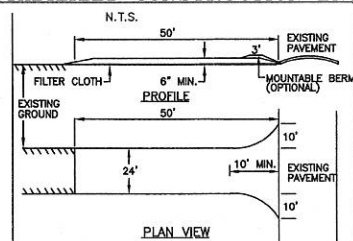
- SILT FENCE CONSTRUCTION SPECIFICATIONS**
1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES AND FILTER CLOTH SHALL BE FASTENED TO WOVEN WIRE EVERY 24" AT TOP MID AND BOTTOM SECTIONS AND BE EMBEDDED INTO GROUND A MINIMUM OF 8" THE FENCE POSTS SHALL BE A MINIMUM 48" LONG, SPACED A
  2. MAXIMUM 10' APART, AND DRIVEN A MINIMUM OF 16" INTO THE GROUND WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER,
  3. THE ENDS OF THE FABRIC SHALL BE OVERLAPPED BY SIX INCHES, FOLDED AND STAPLED TO PREVENT SEDIMENT FROM BY-PASSING MAINTENANCE SHALL BE PERFORMED AS NEEDED AND SEDIMENT
  4. REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE AND PROPERLY DISPOSED OF PLACE THE ENDS OF THE SILT FENCE UP CONTOUR TO PROVIDE
  5. FOR SEDIMENT STORAGE SILT FENCES SHALL BE REMOVED WHEN NO LONGER NEEDED AND
  6. 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
2. INEFFECTIVE DURING THE EXPECTED LIFE OF THE FENCE, THE FABRIC SHALL BE REPLACED PROMPTLY. SEDIMENT DEPOSITS SHOULD BE INSPECTED AFTER EVERY STORM EVENT.
3. THE DEPOSITS SHOULD BE REMOVED WHEN THEY REACH APPROXIMATELY ONE HALF THE HEIGHT OF THE BARRIER. SEDIMENT DEPOSITS THAT ARE REMOVED OR LEFT IN PLACE AFTER THE
4. FABRIC HAS BEEN REMOVED SHALL BE GRADED TO CONFORM WITH THE EXISTING TOPOGRAPHY AND VEGETATED.

**E1 SILT FENCE DETAIL**  
N.T.S.

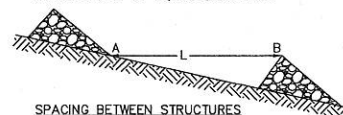
#### E5 STABILIZED CONSTRUCTION ENTRANCE



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, WHICHEVER 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.

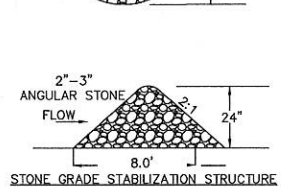
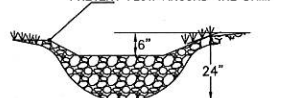
#### STONE CHECK DAM

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



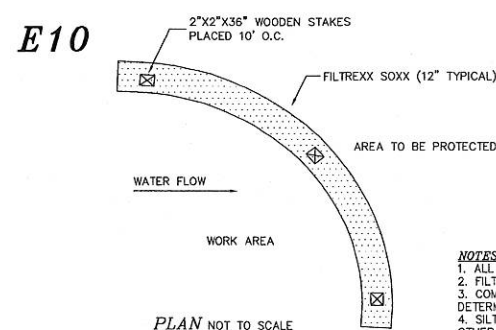
1. CHECK DAMS SHOULD BE INSTALLED BEFORE RUNOFF IS DIRECTED TO THE SWALE OR DRAINAGE DITCH
2. THE MAXIMUM CONTRIBUTING DRAINAGE AREA TO THE DAM SHOULD BE LESS THEN ONE ACRE.
3. THE MAXIMUM HEIGHT OF THE DAM SHOULD BE TWO FEET.
4. THE CENTER OF THE DAM SHOULD BE AT LEAST SIX INCHES LOWER THAN THE OUTER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

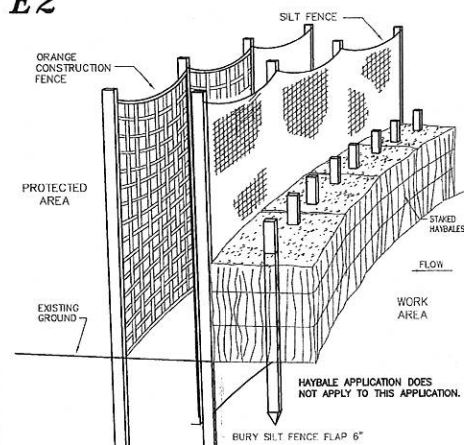
**E10**



- NOTES**
1. ALL MATERIAL TO MEET FILTREXX SPECIFICATIONS.
  2. FILTER MEDIA 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.

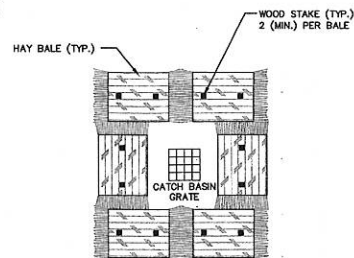
Filtrex International, LLC  
35481 Grafton Eastern Rd | Grafton, Oh 44044  
440-926-2807 | fax: 440-926-4021  
WWW.FILTREXX.COM

**E2**



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

**E3**



**NOTE:**  
BALES TO REMAIN UNTIL SUBBASE PREPARATION IS COMPLETE AND PAVING IS TO BEGIN OR UNTIL ALL UPSTREAM AREAS ARE STABILIZED WITH VEGETATION.

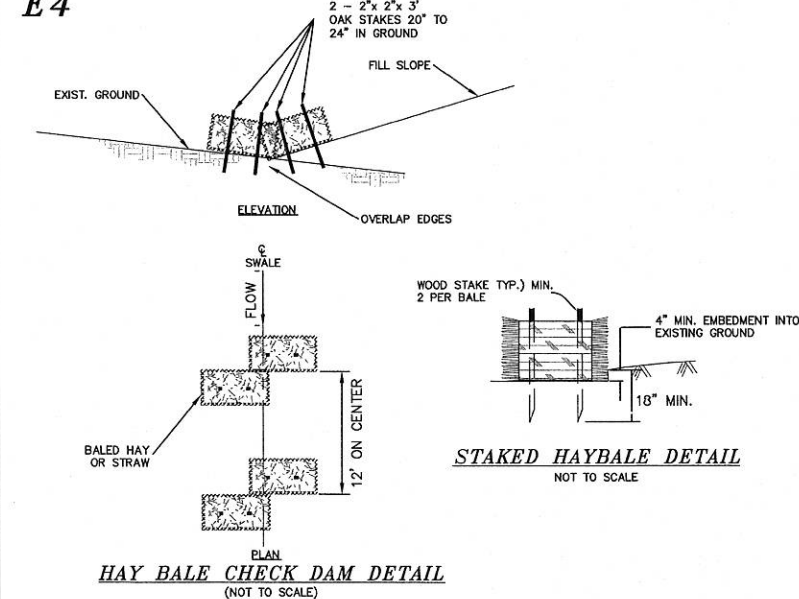
#### CONSTRUCTION SPECIFICATIONS FOR STRAW OR HAY BALE BARRIERS

1. STRUCTURES SHALL BE INSTALLED ACCORDING TO THE DIMENSIONS SHOWN ON THE PLANS AT THE APPROPRIATE SPACING.
2. CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER SO THAT EROSION AND AIR AND WATER POLLUTION WILL BE MINIMIZED.
3. WHEN HAY BALES ARE USED, THE BALES SHALL BE EMBEDDED AT LEAST 4 INCHES INTO THE SOIL. WHEN TIMBER STRUCTURES ARE USED, THE TIMBER SHALL EXTEND AT LEAST 18 INCHES INTO THE SOIL.
4. HAY OR STRAW BALES SHALL BE ANCHORED INTO THE SOIL USING 2" X 2" STAKES DRIVEN THROUGH THE BALES AND AT LEAST 18 INCHES INTO THE SOIL.
5. SEEDING, FERTILIZING, AND MULCHING SHALL CONFORM TO THE RECOMMENDATIONS IN THE APPROPRIATE VEGETATIVE BMP.
6. STRUCTURES SHALL BE REMOVED FROM THE CHANNEL WHEN THEIR USEFUL LIFE HAS BEEN COMPLETED.

#### SEDIMENT CONTROL AT CATCH BASINS

NOT TO SCALE

**E4**



**HAY BALE CHECK DAM DETAIL**  
(NOT TO SCALE)

**E8**

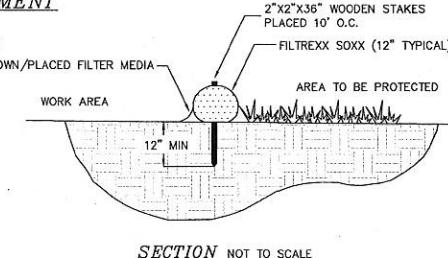
#### TEMPORARY EROSION CONTROL MEASURES

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 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)
4. ALL DISTURBED AREAS WILL BE RESTABILIZED WITHIN 60 DAYS. AT ANY ONE TIME, NO MORE THAN 5 ACRES, (217,800 Sq. Ft.)
5. 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.
6. 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.
7. PER THE EPA REQUIREMENTS THERE WILL BE INSPECTION REPORTS OF THE EROSION CONTROL. INSPECTIONS EVERY 7-14 DAYS IAW THE SWPPP AND NOI. ALL EROSION CONTROLS SHALL BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER 0.5" OR GREATER RAIN EVENT.
8. PLEASE FIND SWPPP TO BE PREPARED BY BS&E (AFTER LOCAL APPROVAL).
9. DITCHES, SWALES, AND BASINS SHALL BE STABILIZED PRIOR TO DIRECTING RUNOFF TO THEM.
10. ALTHOUGH SOME OF THE EROSION AND SEDIMENT CONTROL MEASURES AND DETAILS DO NOT SPECIFICALLY APPLY TO THIS PROJECT, THE DETAILS WERE RETAINED FOR THE CONTRACTORS USE SHOULD THE REQUIREMENT AND CIRCUMSTANCE BE REQUIRED. SEE ALSO, NOTES ON THE EROSION AND SEDIMENT CONTROL PLAN REGARDING SOILS AND CONTRACTOR RESPONSIBILITIES.

**E7**

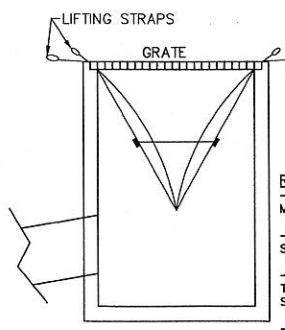
#### FILTREXX SEDIMENT CONTROL

NOT TO SCALE



**SECTION** NOT TO SCALE

**E11**



**SILTSACK DETAIL**  
NOT TO SCALE

**E-101**

REVISION	DATE	DESCRIPTION

EROSION & SEDIMENT CONTROL DETAILS  
THE JOURNEY BAPTIST CHURCH  
8 EASTERN AVENUE  
BARRINGTON, N.H.  
TAX MAP 235, LOT 83

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

SCALE: AS MARKED  
DATE: JULY 14, 2015  
FILE NO.: DB 2013 - 001

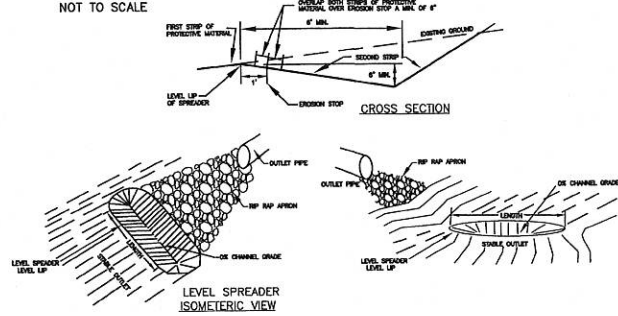
STATE OF NEW HAMPSHIRE  
KENNETH A. BERRY  
No. 14243  
LICENSED PROFESSIONAL ENGINEER

SHEET 10 OF 19



# STANDARD LEVEL SPREADER

NOT TO SCALE

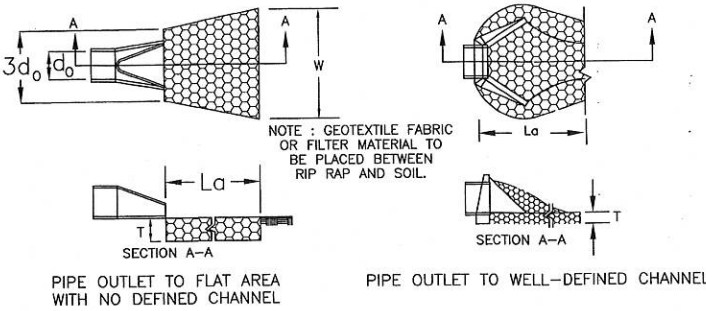


1. CONSTRUCT THE LEVEL SPREADER LIP ON A ZERO PERCENT GRADE TO INSURE UNIFORM SPREADING OF RUNOFF.
2. LEVEL SPREADER SHALL BE CONSTRUCTED ON UNDISTURBED SOIL AND NOT ON FILL.
3. AN EROSION STOP SHALL BE PLACED VERTICALLY A MINIMUM OF SIX INCHES DEEP IN A SLIT TRENCH ONE FOOT BACK OF THE LEVEL LIP AND PARALLEL TO THE LIP. THE EROSION STOP SHALL EXTEND THE ENTIRE LENGTH OF THE LEVEL LIP.
4. THE ENTIRE LEVEL LIP AREA SHALL BE PROTECTED BY PLACING TWO STRIPS OF JUTE OR EXCELSIOR MATTING ALONG THE LIP. EACH STRIP SHALL OVERLAP THE EROSION STOP BY AT LEAST SIX INCHES.
5. THE ENTRANCE CHANNEL TO THE LEVEL SPREADER SHALL NOT EXCEED A 1 PERCENT GRADE FOR AT LEAST 50 FEET BEFORE ENTERING INTO THE SPREADER.
6. THE FLOW FROM THE LEVEL SPREADER SHALL OUTLET ONTO STABILIZED AREAS. WATER SHOULD NOT RE-CONCENTRATE IMMEDIATELY BELOW THE SPREADER.
7. PERIODIC INSPECTION AND REQUIRED MAINTENANCE SHALL BE PERFORMED.
8. MAINTENANCE: THE LEVEL SPREADER SHOULD BE CHECKED PERIODICALLY AND AFTER EVERY MAJOR STORM TO DETERMINE IF THE LIP HAS BEEN DAMAGED AND THE DESIGN CONDITIONS HAVE NOT CHANGED. ANY DETRIMENTAL SEDIMENT ACCUMULATION SHOULD BE REMOVED. IF RILLING HAS TAKEN PLACE ON THE LIP, THEN THE DAMAGE SHOULD BE REPAIRED AND REVEGETATED. THE VEGETATION SHOULD BE MOWED OCCASIONALLY TO CONTROL WEEDS AND THE ENCROACHMENT OF WOODY VEGETATION. CLIPPINGS SHOULD BE REMOVED AND DISPOSED OF OUTSIDE THE SPREADER AND AWAY FROM OUTLET AREA. FERTILIZATION SHOULD BE DONE AS NECESSARY TO KEEP THE VEGETATION HEALTHY AND DENSE.

E12

E13

## PIPE OUTLET PROTECTION



NOTE: GEOTEXTILE FABRIC OR FILTER MATERIAL TO BE PLACED BETWEEN RIP RAP AND SOIL.

PIPE OUTLET TO FLAT AREA WITH NO DEFINED CHANNEL

PIPE OUTLET TO WELL-DEFINED CHANNEL

## PIPE OUTLET PROTECTION CONSTRUCTION SPECIFICATIONS

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

E14

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

TABLE 7-24--RECOMMENDED RIP RAP GRADATION RANGES			
d50 SIZE=	1.0 FEET	12 INCHES	
% OF WEIGHT SMALLER THAN THE GIVEN d50 SIZE	SIZE OF STONE (INCHES) FROM	TO	
100%	18	24	
85%	16	22	
50%	12	18	
15%	4	6	

## 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 "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 AREAS 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.

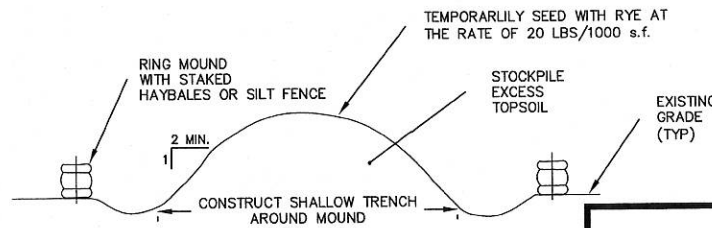
E17

## 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.

E22

E15

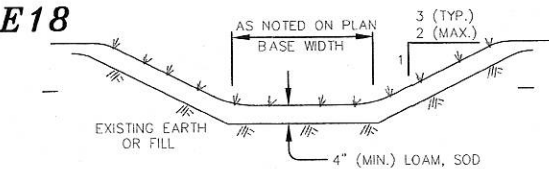


## TOPSOIL STOCKPILE MOUND

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

E18



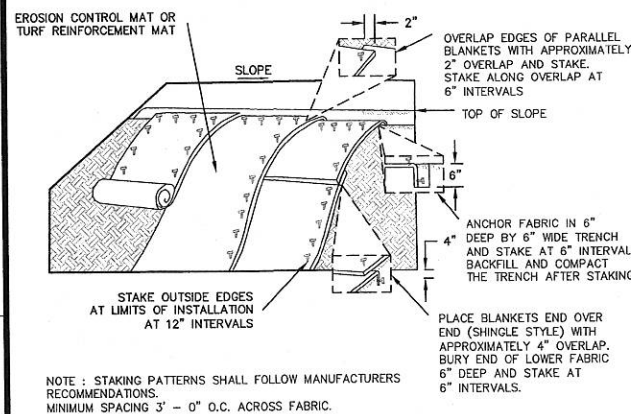
## GRASS TREATMENT SWALE

NOT TO SCALE

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

## SEEDING SPECIFICATIONS

E20



NOTE: STAKING PATTERNS SHALL FOLLOW MANUFACTURERS RECOMMENDATIONS. MINIMUM SPACING 3' - 0" O.C. ACROSS FABRIC.

## INSTALLATION OF EROSION CONTROL FABRICS

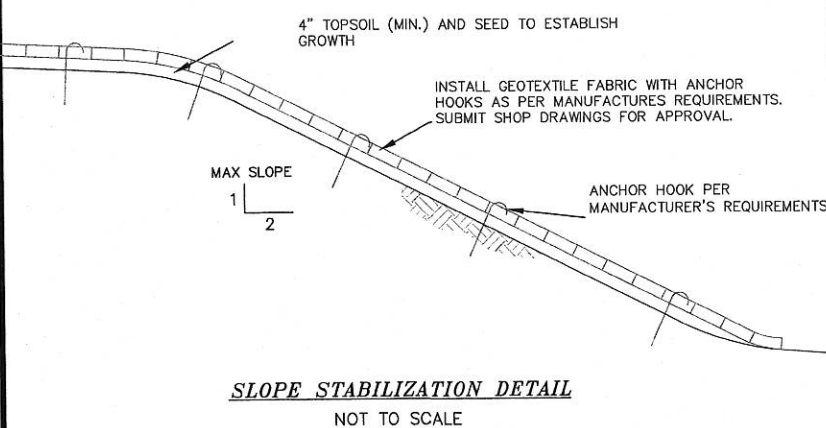
NOT TO SCALE

## 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
- 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
- 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 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.
- 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

E21

E19



## SLOPE STABILIZATION DETAIL

NOT TO SCALE

EROSION & SEDIMENT CONTROL DETAILS  
THE JOURNEY BAPTIST CHURCH  
8 EASTERN AVENUE  
BARRINGTON, N.H.  
TAX MAP 235, LOT 83

BERRY SURVEYING & ENGINEERING  
335 SECOND CROWN POINT ROAD  
BARRINGTON, NH 03825 (332-2863)  
SCALE: AS MARKED  
DATE: JULY 14, 2015  
FILE NO.: DB 2013 - 001



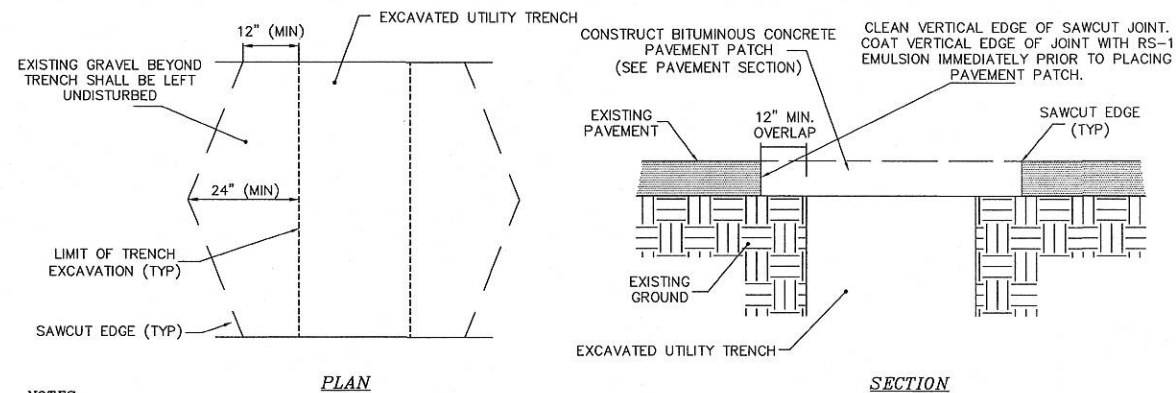
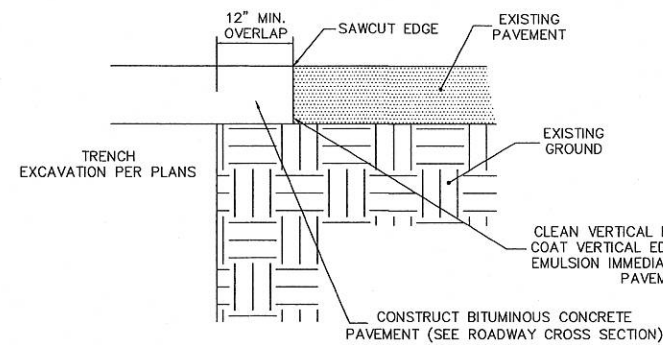
E-102

SHEET 11 OF 19





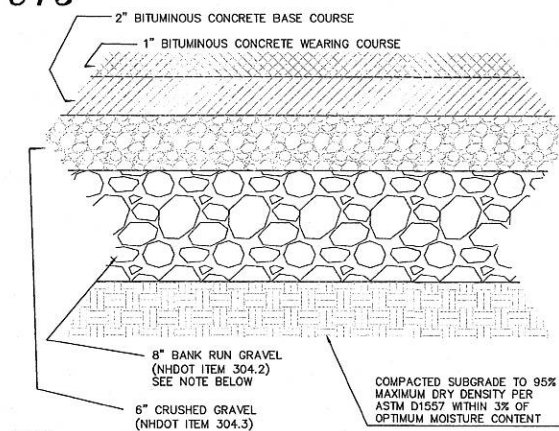
C11



- NOTES**
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 NHDOT REQUIREMENTS.

**TYPICAL TRENCH PATCH**  
NOT TO SCALE

C15

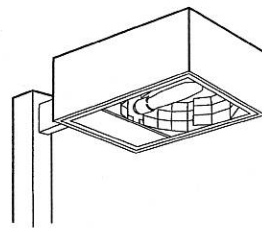


- NOTES:**
- 1.) BITUMINOUS MATERIALS SHALL CONFORM TO NHDOT SPECIFICATION SUBSECTION 401.3.6.
  - 2.) PAVEMENT BASE COURSE AGGREGATE SHALL CONFORM TO NHDOT SPECIFICATION SECTION 304, ITEM 304.3 AND COMPACTED TO A MINIMUM OF 95% OF MODIFIED PROCTOR MAXIMUM DRY DENSITY.
  - 3.) PAVEMENT SUBBASE COURSE AGGREGATE AND AGGREGATE FOR SUBGRADE REPAIR AREAS SHALL BE SUITABLE FOR USE AS STRUCTURAL FILL AND BE PROCTORED AND COMPARED TO 95% OF MODIFIED PROCTOR MAXIMUM DRY DENSITY. FOR NEW CONSTRUCTION AREAS ONLY. IN EXISTING PAVEMENT AREAS THE CONTRACTOR IS TO ENSURE THE BASE MATERIAL IS SUITABLE TO THE OWNER FOR RE-PAVING.
  - 4.) THE EXISTING SAND AND GRAVEL SUBGRADE CAN BE MODIFIED BY ADDING COURSE CRUSHED STONE (NHDOT ITEM 304.5) TO MEET NHDOT ITEM 304.2 SPECIFICATIONS.

**BITUMINOUS CONCRETE PAVEMENT SECTION**  
NOT TO SCALE

C16

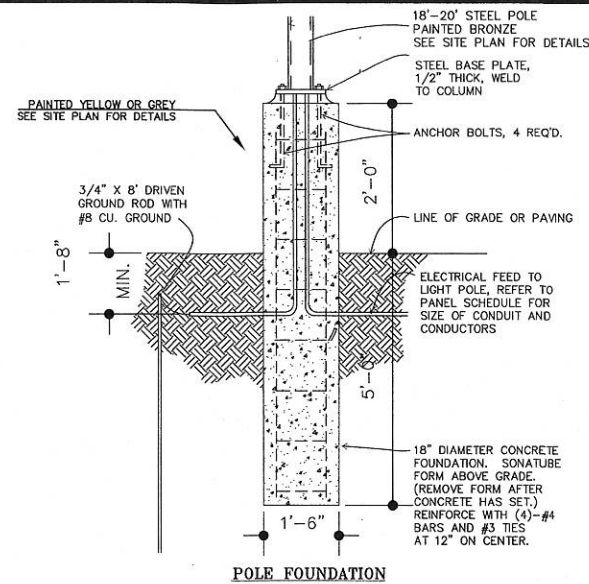
- NOTES:**
- 1.) POLE MOUNTED LAMPS. SEE LIGHTING AND SITE PLANS FOR FURTHER DETAILS.



- NOTES:**
- 1.) LITHONIA LIGHTING KSF1, OR EQUAL.
  - 2.) METAL HALIDE 250 WATT.
  - 3.) SEE LIGHTING PLAN FOR POLE HEIGHT AND POLE CONFIGURATION.
  - 4.) LENGTH: 21.25" WIDTH: 15.47" DEPTH: 7.25" ARM: 4"

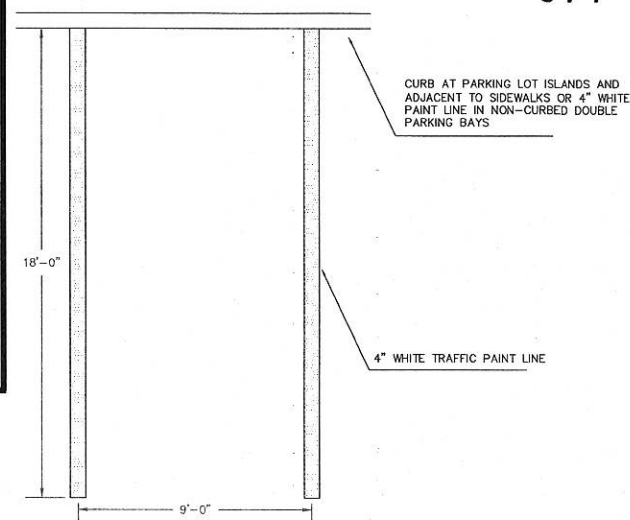
**POLE MOUNTED LIGHTING**  
NOT TO SCALE

C12



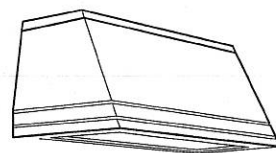
**PARKING LOT LIGHT BASE DETAIL**  
SCALE: NONE

**PARKING SPACE DETAIL**  
NOT TO SCALE



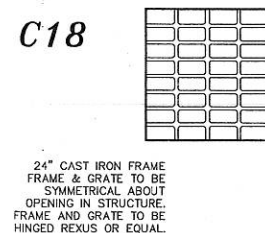
- NOTES:**
- 1.) PROVIDE TWO COATS OF PAINT ON ALL PARKING LINES.
  - 2.) SEE PROPOSED SITE PLANS FOR LOCATION OF PARKING SPACES.
  - 3.) PAINTED SPACES ONLY WHERE MARKED ON SITE PLAN

C17



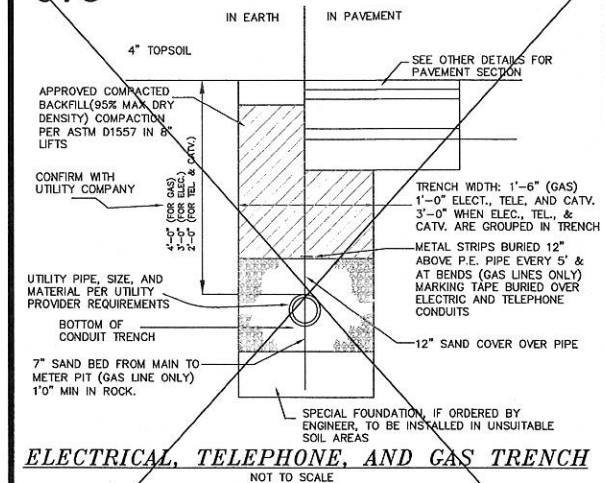
**WALL MOUNTED LIGHTING**  
NOT TO SCALE

C18



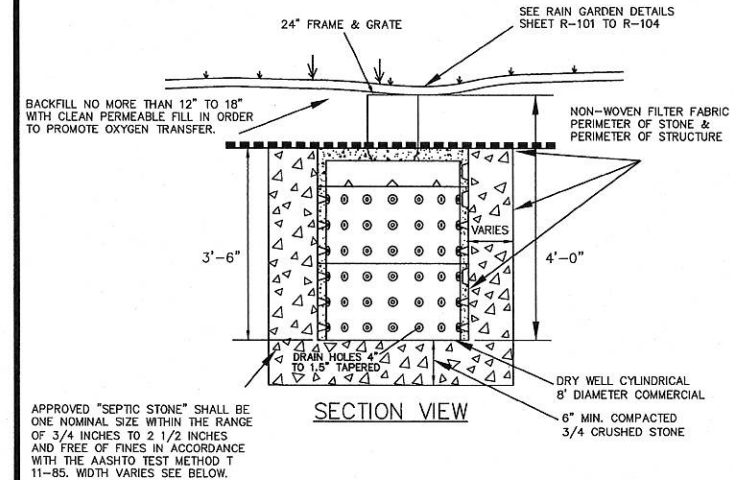
**CATCH BASIN GRATE DETAILS**  
NOT TO SCALE

C13

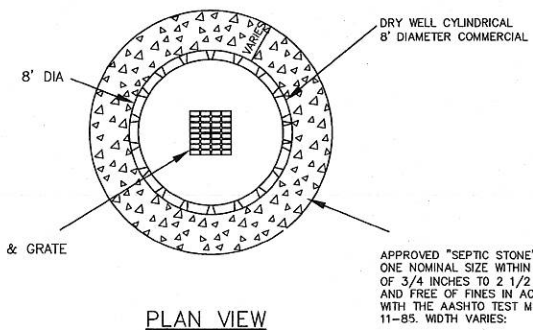


**ELECTRICAL, TELEPHONE, AND GAS TRENCH**  
NOT TO SCALE

C19



APPROVED "SEPTIC STONE" SHALL BE ONE NOMINAL SIZE WITHIN THE RANGE OF 3/4 INCHES TO 2 1/2 INCHES AND FREE OF FINES IN ACCORDANCE WITH THE AASHTO TEST METHOD T 11-85. WIDTH VARIES SEE BELOW.



**24" FRAME & GRATE**

**PLAN VIEW**

- APPROVED "SEPTIC STONE" SHALL BE ONE NOMINAL SIZE WITHIN THE RANGE OF 3/4 INCHES TO 2 1/2 INCHES AND FREE OF FINES IN ACCORDANCE WITH THE AASHTO TEST METHOD T 11-85. WIDTH VARIES:
- DRY WELL #1 - OUTSIDE DIA.: 10'  
DRY WELL #2 - OUTSIDE DIA.: 10'  
DRY WELL #3 - OUTSIDE DIA.: 12'

LAND USE OFFICE

JUL 15 2015

**TYPICAL DRYWELL DETAILS**  
NOT TO SCALE

C-102

REVISION	DATE	DESCRIPTION

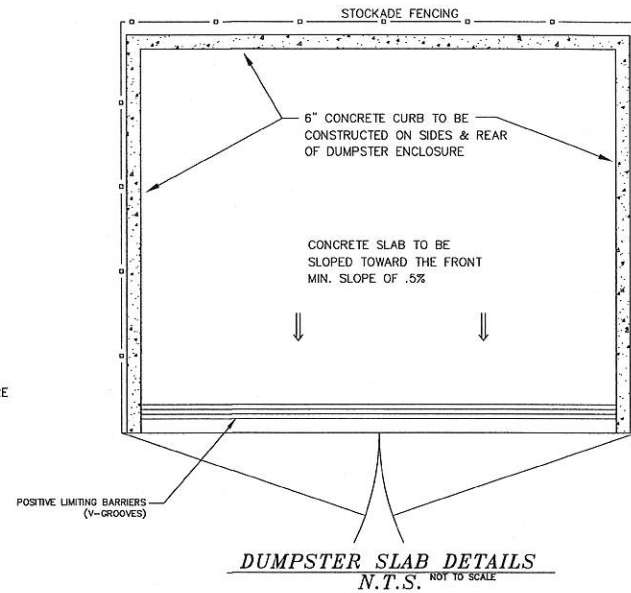
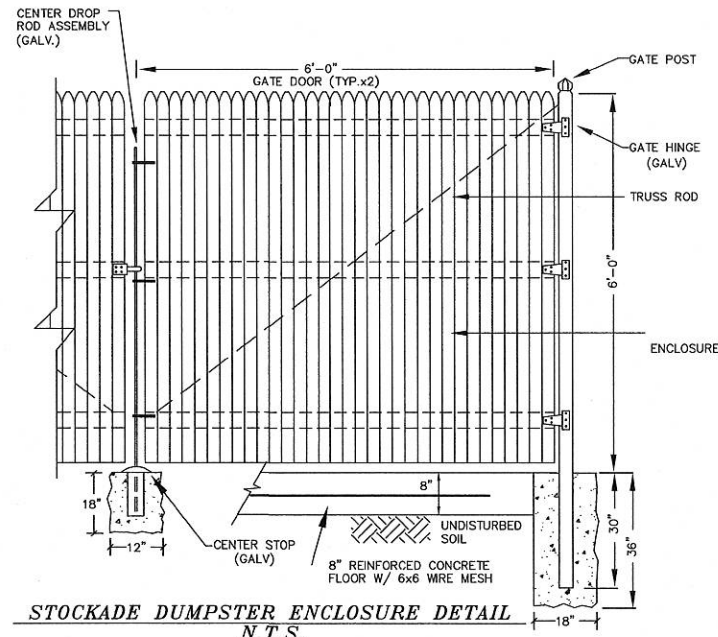
CONSTRUCTION DETAILS  
THE JOURNEY BAPTIST CHURCH  
8 EASTERN AVENUE  
BARRINGTON, N.H.  
TAX MAP 235, LOT 83

BERRY SURVEYING & ENGINEERING  
335 SECOND CROWN POINT ROAD  
BARRINGTON, NH 03825 (332-2863)  
SCALE: AS MARKED  
DATE: JULY 14, 2015  
FILE NO.: DB 2013 - 001

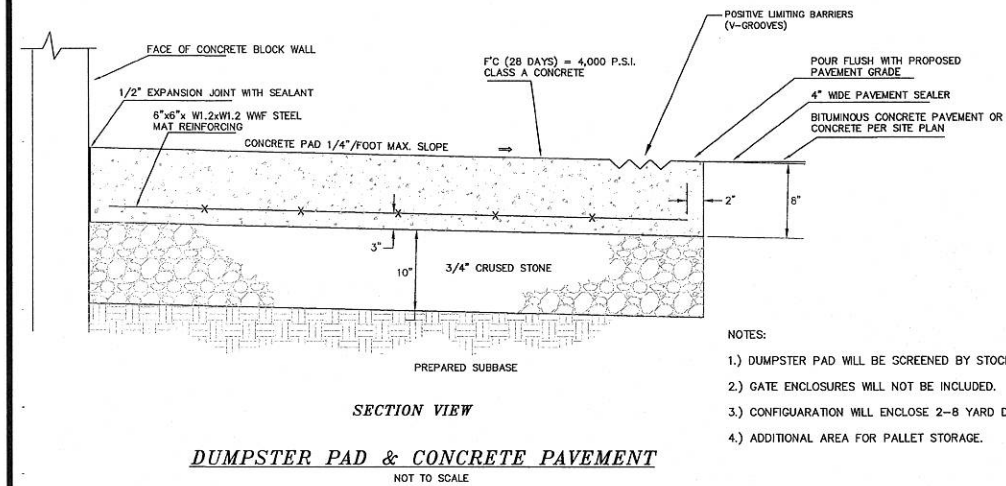


SHEET 13 OF 19

C20

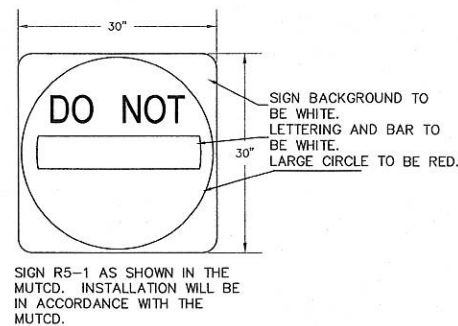


C21

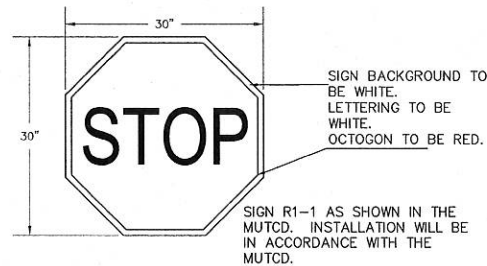


- NOTES:
- 1.) DUMPSTER PAD WILL BE SCREENED BY STOCKADE FENCE.
  - 2.) GATE ENCLOSURES WILL NOT BE INCLUDED.
  - 3.) CONFIGURATION WILL ENCLOSE 2-8 YARD DUMPSTERS.
  - 4.) ADDITIONAL AREA FOR PALLET STORAGE.

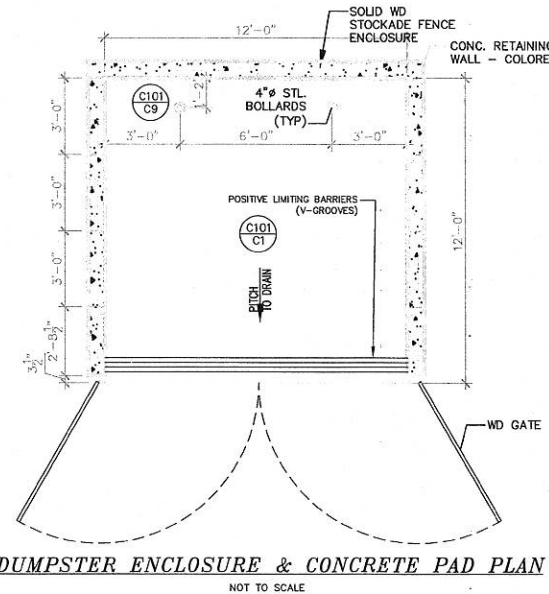
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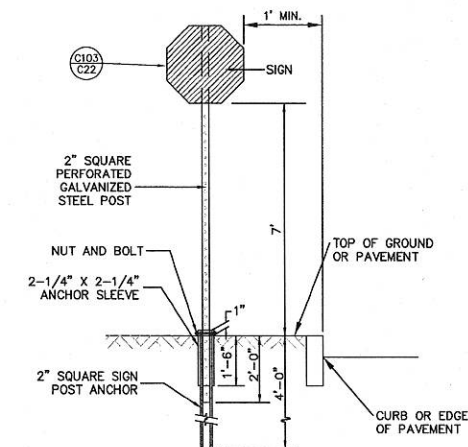
C23



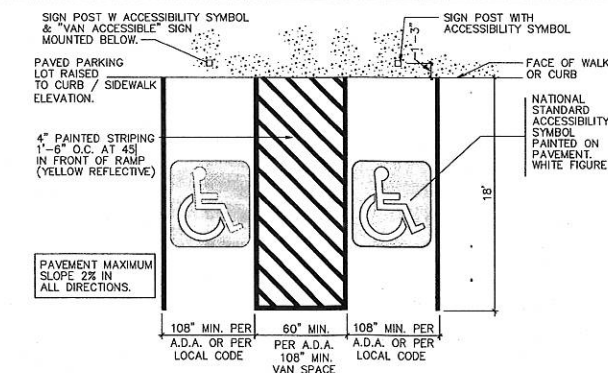
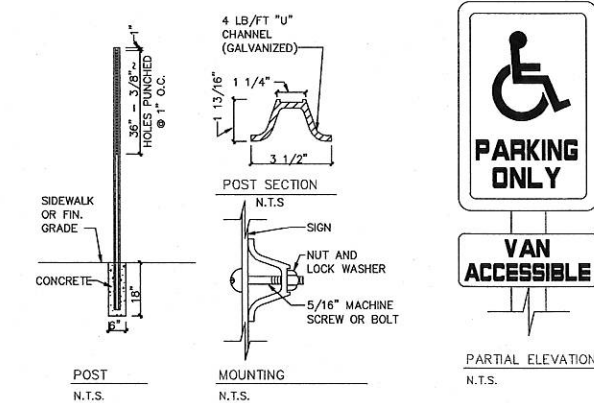
C24



C26



- 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

REVISION	DATE	DESCRIPTION

CONSTRUCTION DETAILS  
THE JOURNEY BAPTIST CHURCH  
8 EASTERN AVENUE  
BARRINGTON, N.H.  
TAX MAP 235, LOT 83

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

SCALE : AS MARKED  
DATE : JULY 14, 2015  
FILE NO. : DB 2013 - 001

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

PARKING STALL SIGNAGE FOR THE PHYSICALLY CHALLENGED  
NOT TO SCALE

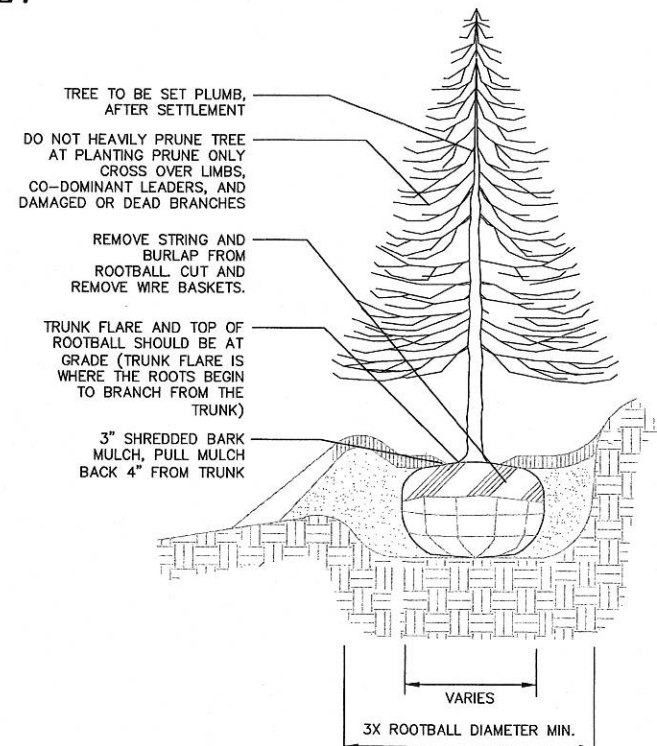
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JUL 15 2015  
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C-103

SHEET 14 OF 19



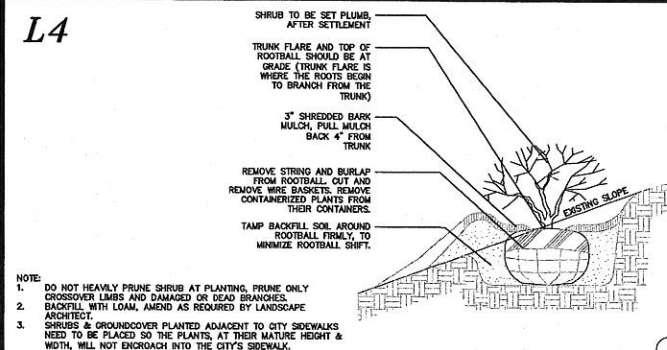
L1



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

EVERGREEN TREE PLANTING

L4

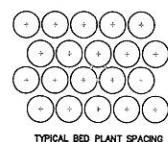


TYPICAL SHRUB PLANTING

12\"/>

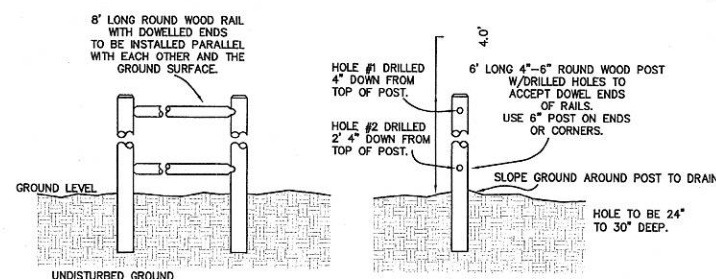


TYPICAL PERENNIAL PLANTING



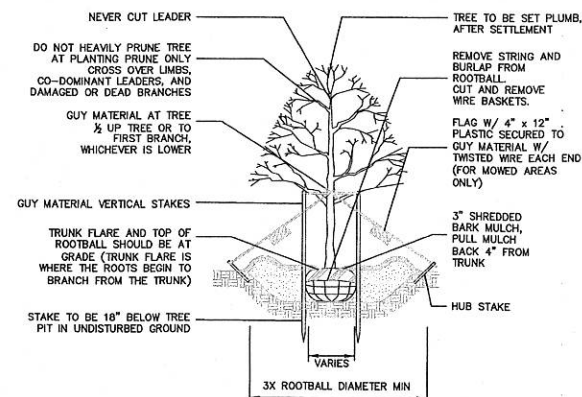
NOTE:  
D = DIMENSION OF PLANT SPACING (SHRUB OR GROUND COVER AS INDICATED ON PLANS)

L7



TYPICAL POST & RAIL FENCE DETAIL  
N.T.S.

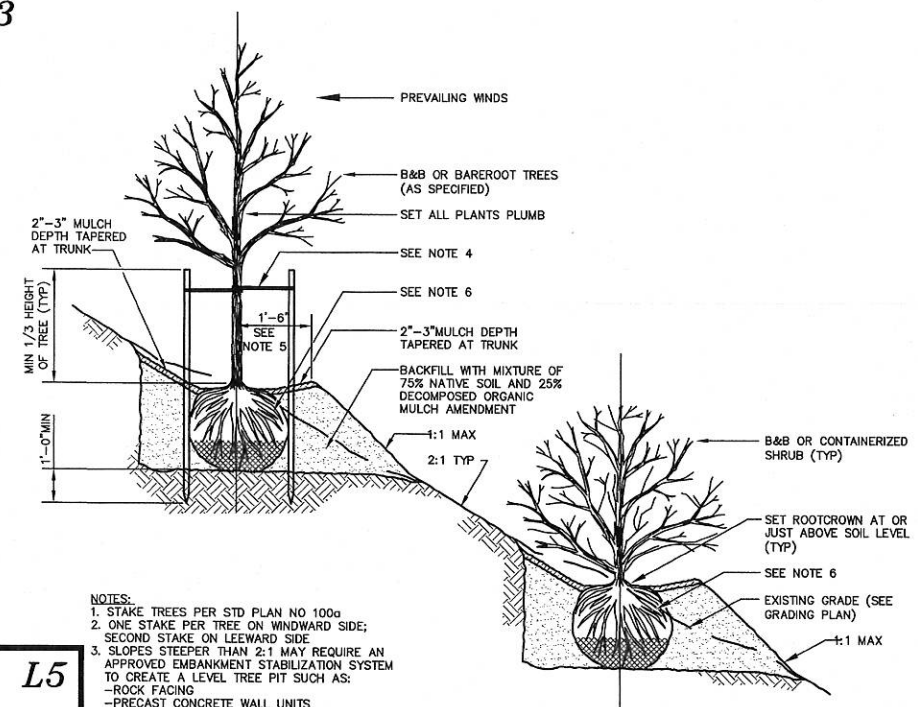
L2



- NOTES:
1. 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.
  2. TYPICALLY ONLY TREES WITH A 3\"/>
  3. ONLY WRAP TREE TRUNKS AS REQUIRED BY LANDSCAPE ARCHITECT.
  4. TREE SHALL BE SET PLUMB, AFTER SETTLEMENT.
  5. LOAM FOR BACKFILLING SHALL BE AMENDED AS REQUIRED BY LANDSCAPE ARCHITECT.
  6. 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

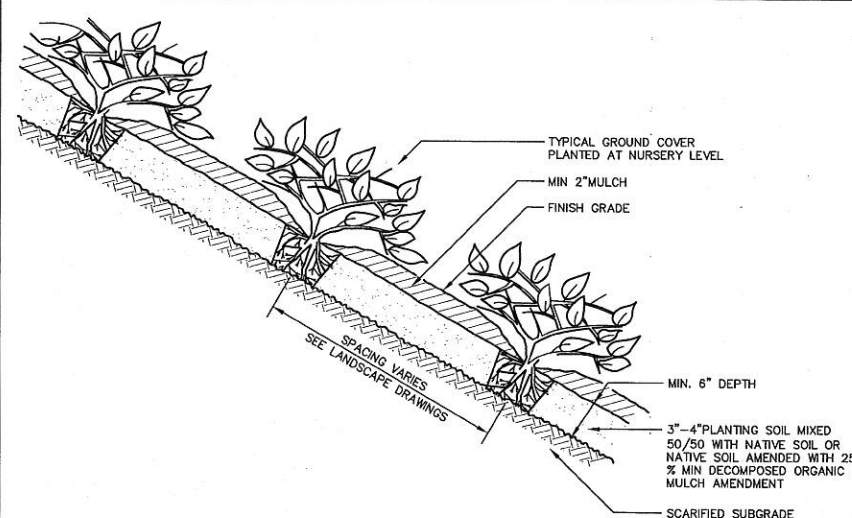
L3



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

TREE PLANTING ON SLOPES

L5



TYPICAL SLOPE GROUND COVER PLANTINGS

L8

L9

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L10

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

SCALE : AS MARKED  
DATE : JULY 14, 2015  
FILE NO. : DB 2013 - 001

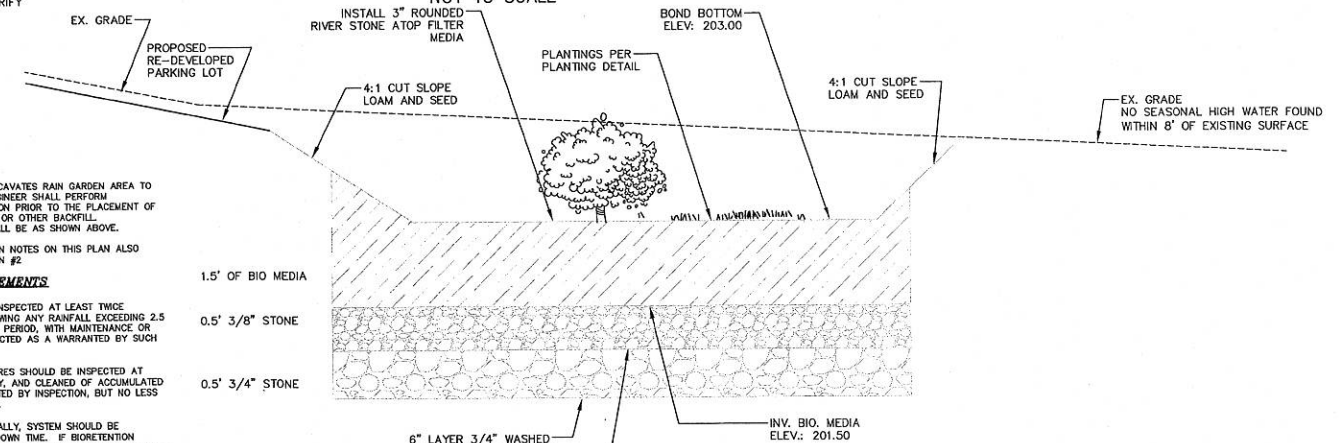
STATE OF NEW HAMPSHIRE  
KENNETH A. BERRY  
No. 14243  
LICENSED PROFESSIONAL ENGINEER

DESCRIPTION	DATE	REVISION

LANDSCAPING DETAILS  
THE JOURNEY BAPTIST CHURCH  
8 EASTERN AVENUE  
BARRINGTON, N.H.  
TAX MAP 235, LOT 83

1.) THE RAIN GARDEN SUBGRADE IS NOT TO BE IMPACTED BY VEHICLE TRAFFIC. IF THIS INADVERTENTLY HAPPENS THE CONTRACTOR IS TO SCARIFY TO A DEPTH OF 6"

# RAIN GARDEN #1 CROSS SECTION POND #1 NOT TO SCALE



- NOTES**
1. WHEN CONTRACTOR EXCAVATES RAIN GARDEN AREA TO SUBGRADE, DESIGN ENGINEER SHALL PERFORM SUBSURFACE EVALUATION PRIOR TO THE PLACEMENT OF ANY SELECT MATERIAL OR OTHER BACKFILL.
  2. SOIL FILTER MEDIA SHALL BE AS SHOWN ABOVE.
  3. GENERAL CONSTRUCTION NOTES ON THIS PLAN ALSO APPLY TO RAIN GARDEN #2.

## MAINTENANCE REQUIREMENTS

1. SYSTEMS SHOULD BE INSPECTED AT LEAST TWICE ANNUALLY, AND FOLLOWING ANY RAINFALL EXCEEDING 2.5 INCHES IN A 24-HOUR PERIOD, WITH MAINTENANCE OR REHABILITATION CONDUCTED AS WARRANTED BY SUCH INSPECTION.
2. PRETREATMENT MEASURES SHOULD BE INSPECTED AT LEAST TWICE ANNUALLY, AND CLEANED OF ACCUMULATED SEDIMENT AS WARRANTED BY INSPECTION, BUT NO LESS THAN ONCE ANNUALLY.
3. AT LEAST ONCE ANNUALLY, SYSTEM SHOULD BE INSPECTED FOR DRAINAGE TIME. IF BORENTENTION SYSTEM DOES NOT DRAIN WITHIN 72-HOURS FOLLOWING A RAINFALL EVENT, THEN A QUALIFIED PROFESSIONAL SHOULD ASSESS THE CONDITION OF THE FACILITY TO DETERMINE MEASURES REQUIRED TO RESTORE FILTRATION FUNCTION OR INFILTRATION FUNCTION (AS APPLICABLE), INCLUDING BUT NOT LIMITED TO REMOVAL OF ACCUMULATED SEDIMENTS OR RECONSTRUCTION OF THE FILTER MEDIA.
4. VEGETATION SHOULD BE INSPECTED AT LEAST ANNUALLY, AND MAINTAINED IN HEALTHY CONDITION, INCLUDING, PRUNING, REMOVAL, AND REPLACEMENT OF DEAD OR DISEASED VEGETATION, AND REMOVAL OF INVASIVE SPECIES.

## DESIGN REFERENCES

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

**CRUSHED STONE BEDDING\***

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

\*EQUIVALENT TO STANDARD STONE SIZE #67 - SECTION 702 OF NHDOT STANDARD SPECIFICATIONS

**CRUSHED STONE BEDDING\***

SIEVE SIZE	% PASSING BY WEIGHT
1"	100
3/4"	90 - 100
#4	0 - 10
#8	0 - 5

\*EQUIVALENT TO STANDARD STONE SIZE #67 - SECTION 702 OF NHDOT STANDARD SPECIFICATIONS

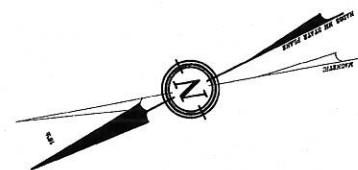
FILTER MEDIA MIXTURES			
Component Material	Percent of Mixture by Volume	Gradation of material	
		Sieve No.	Percent by Weight Passing Standard Sieve
Filter Media Option A			
ASTM C-33 concrete sand	50 to 55		
Loamy sand topsoil, with fines as indicated	20 to 30	200	15 to 25
Moderately fine shredded bark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

## TREES AND SHRUBS

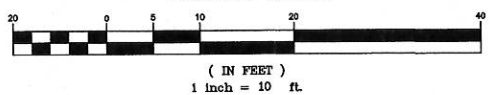
Sym	Qty	Botanical Name / Common Name	Root	Size
B	18	Pyrus calleryana 'Chanticleer' / Chanticleer flowering pear	Cont.	2"-2.5" Caliper, balled and burlapped
C	15	Fothergilla gardenii / Dwarf Fothergilla	Cont.	2' Ht. or 3 Gal.
D	20	Ilex glabra 'Nordic' / Nordic Inkberry	Cont.	2' Ht. or 3 Gal.

## PERENNIALS & GROUND COVERS

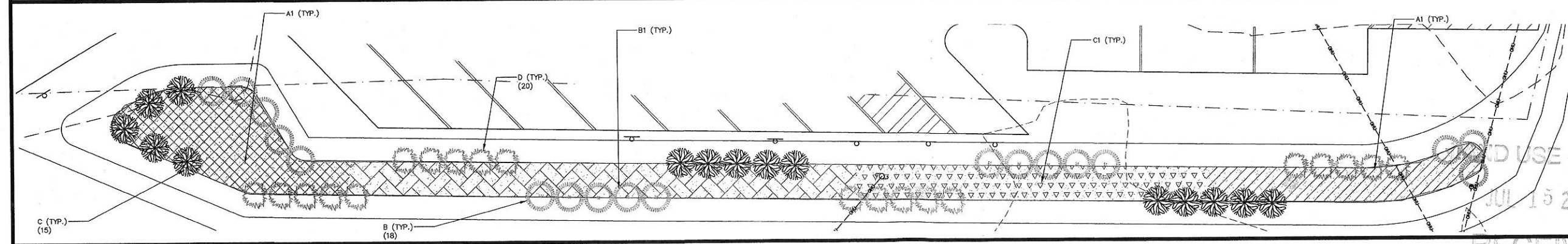
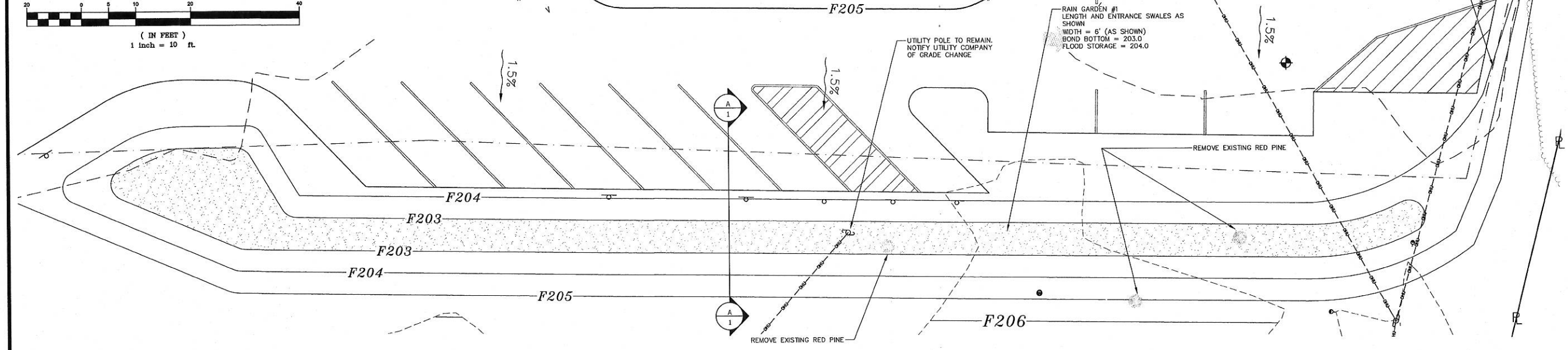
Sym	Qty	Botanical Name / Common Name	Root	Size	Remark
A1	30	Daylily Mix:			
		Hemerocallis 'Chicago Apache' / Daylily	Cont.	1 Gal.	24" OC
		Hemerocallis 'Big Time Happy' / Daylily	Cont.	1 Gal.	24" OC
		Hemerocallis 'Silom Double Classic' / Daylily	Cont.	1 Gal.	24" OC
B1	20	Juncus effusus / Common Rush	Plug	2-1/2"	24" OC
C1	20	Rudbeckia fulgida / Black-Eyed Susan	Cont.	2 Qt.	24" OC



## GRAPHIC SCALE



## RAIN GARDEN DETAIL #1 POND #1



REVISION	DATE	DESCRIPTION

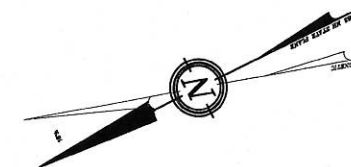
RAIN GARDEN DETAIL  
THE JOURNEY BAPTIST  
CHURCH  
8 EASTERN AVENUE  
BARRINGTON, N.H.  
TAX MAP 236, LOT 83

BERRY SURVEYING & ENGINEERING  
335 SECOND CROWN POINT ROAD  
BARRINGTON, NH 03825 {332-2863}  
SCALE : AS NOTED  
DATE : JULY 14, 2015  
FILE NO. : DB 2013-001



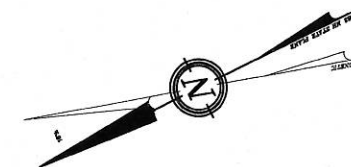






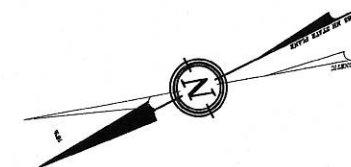
Sum	Qty	Botanical Name / Common Name	Root	Size	Remarks
AI	30	Daylily Mix :			
		Hemerocallis 'Chicago Apache' / Daylily	Cont.	1 gal.	24" 00
		Hemerocallis 'Big Time Happy' / Daylily	Cont.	1 gal.	24" 00
		Hemerocallis 'Silvous Double Classic' / Daylily	Cont.	1 gal.	24" 00
BI	35	Juncus effusus / Common Rush	Plug	2-1/2"	24" 00
CI	42	Rudbeckia fulgida / Black-Eyed Susan	Cont.	2 qt.	24" 00

RAIN GARDEN DETAIL #4  
POND #4



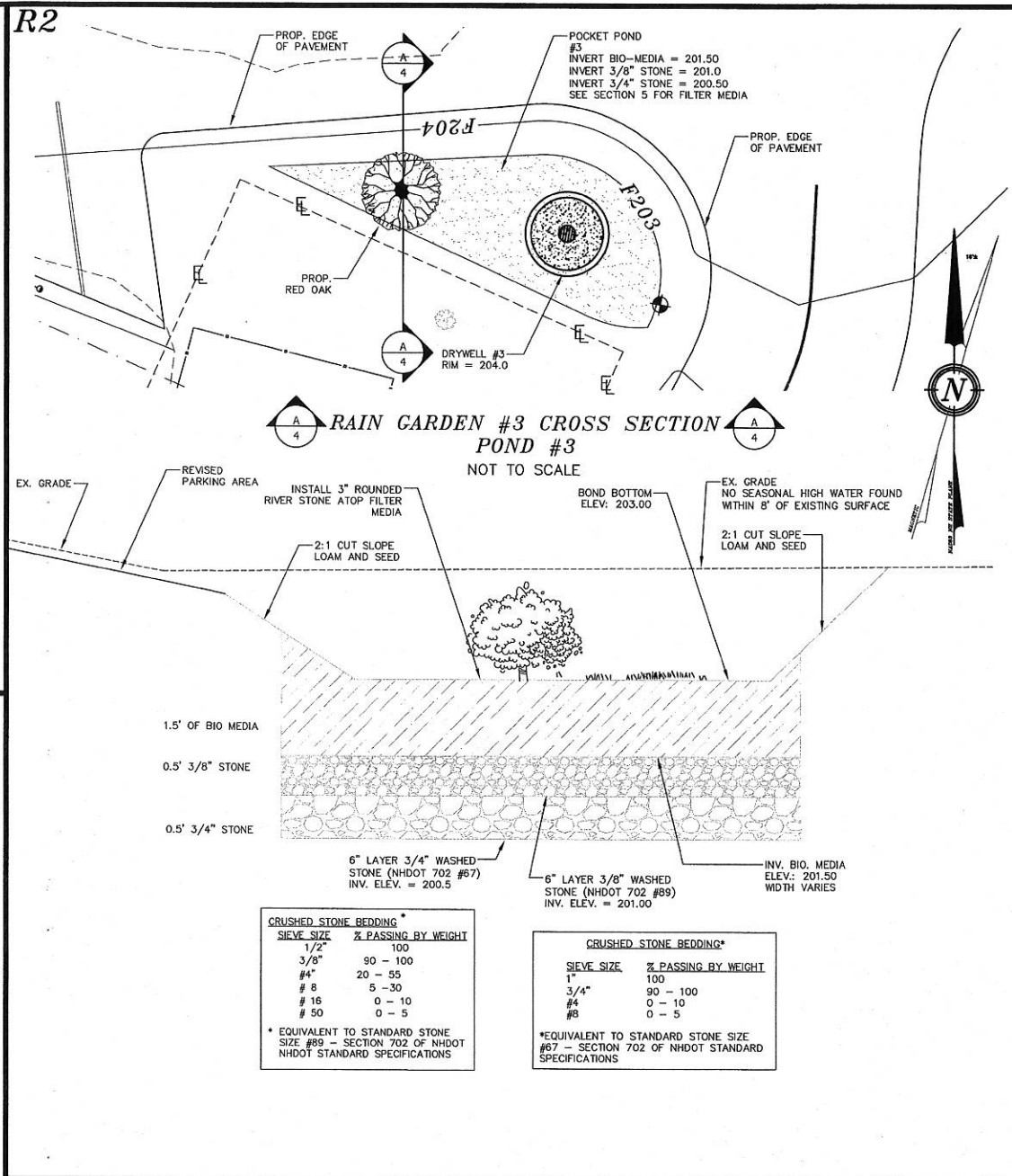
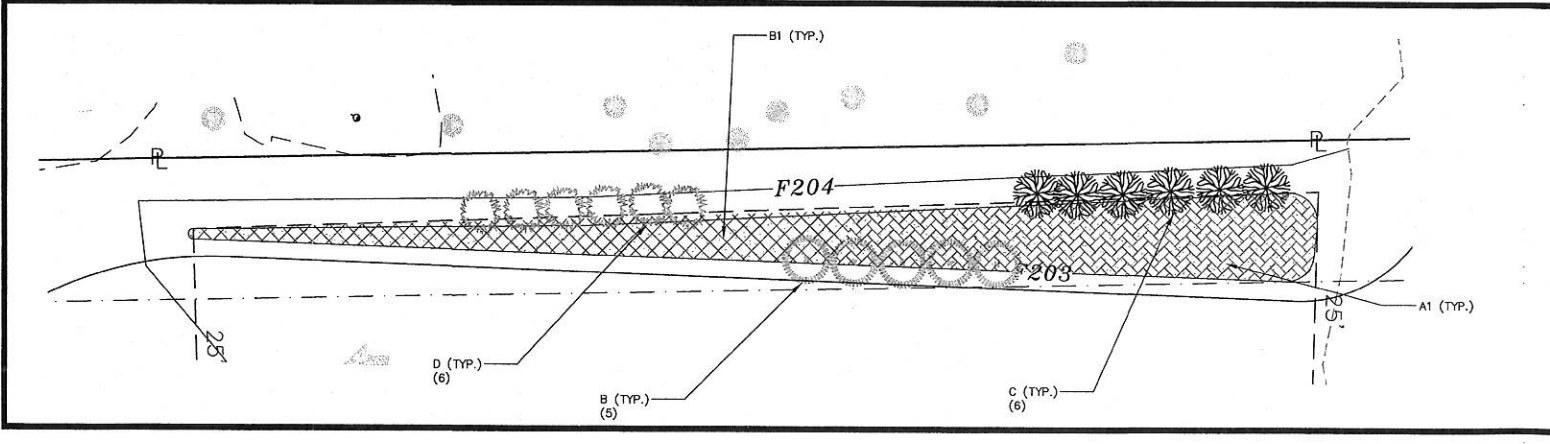
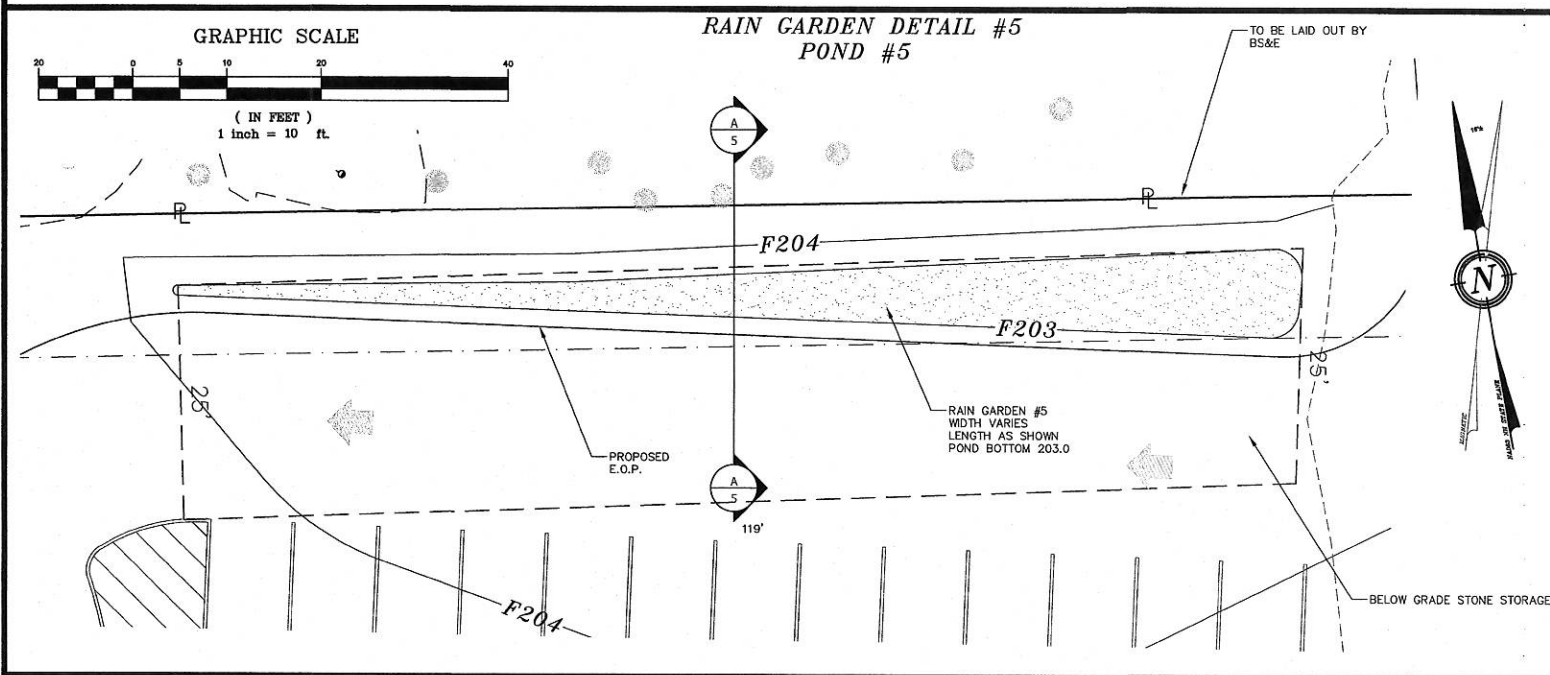
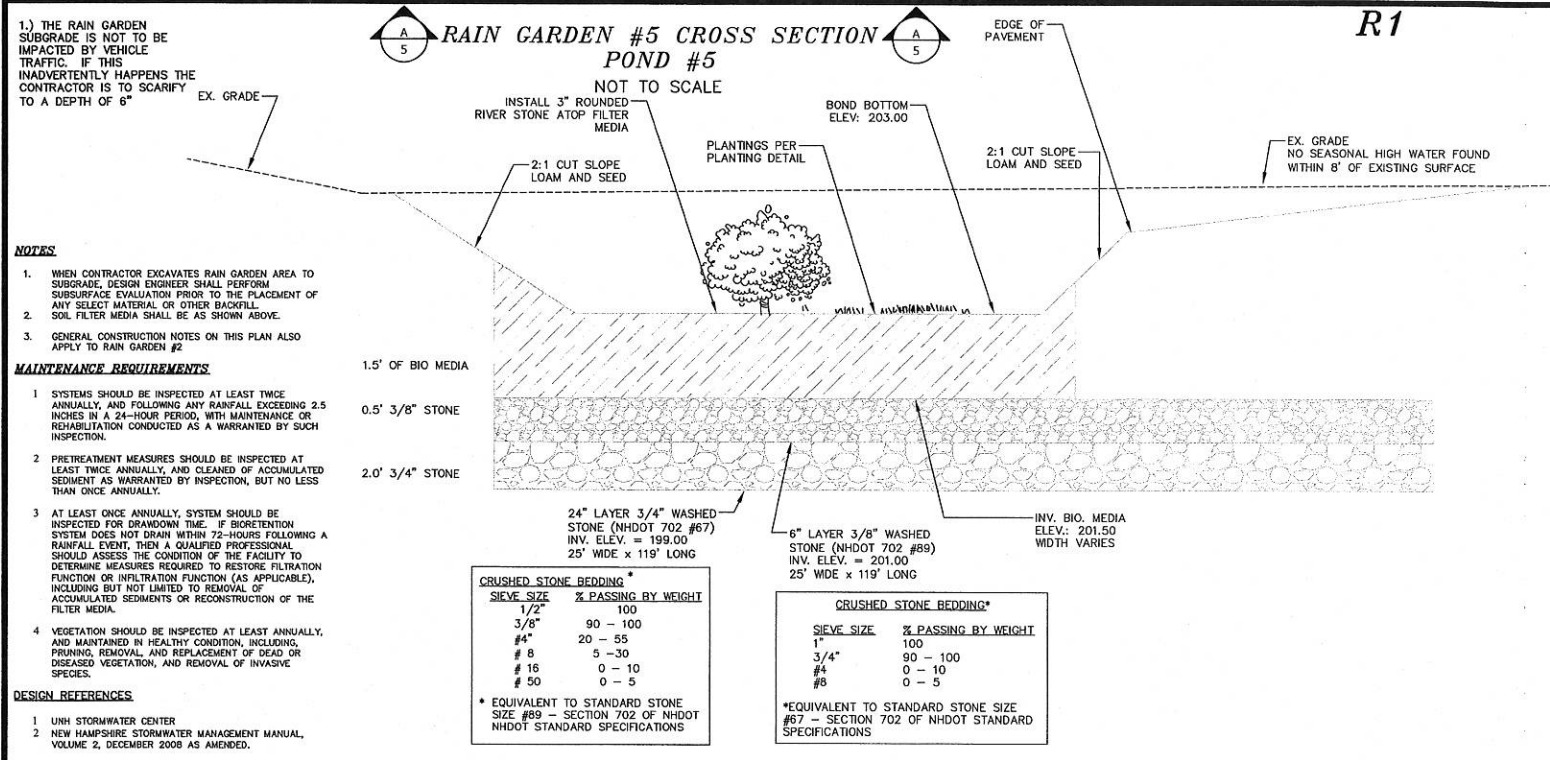
Sum	Qty	Botanical Name / Common Name	Root	Size	Remarks
AI	30	Daylily Mix :			
		Hemerocallis 'Chicago Apache' / Daylily	Cont.	1 gal.	24" 00
		Hemerocallis 'Big Time Happy' / Daylily	Cont.	1 gal.	24" 00
		Hemerocallis 'Silvous Double Classic' / Daylily	Cont.	1 gal.	24" 00
BI	35	Juncus effusus / Common Rush	Plug	2-1/2"	24" 00
CI	42	Rudbeckia fulgida / Black-Eyed Susan	Cont.	2 qt.	24" 00

RAIN GARDEN DETAIL #4  
POND #4



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**PLANTING SCHEDULE #5 POND #5**

Sum	Qty	Botanical Name / Common Name	Root	Size	Remark
B	5	Pyrus calleryana 'Chanticleer' / Chanticleer flowering pear	Cont.	2"-2.5" Caliper, balled and burlapped	
C	6	Fothergilla gardenii / Dwarf Fothergilla	Cont.	2" Ht. or 3 Gal.	
D	6	Ilex glabra 'Nordic' / Nordic Inkberry	Cont.	2" Ht. or 3 Gal.	

**PERENNIALS & GROUND COVERS**

Sum	Qty	Botanical Name / Common Name	Root	Size	Remark
A1	0	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	12	Juncus effusus / Common Rush	Plug	2-1/2"	24" OC
C1	20	Rudbeckia fulgida / Black-Eyed Susan	Cont.	2 Qt.	24" OC

**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

**TREES AND SHRUBS**

Sum	Qty	Botanical Name / Common Name	Root	Size	Remark
B	5	Pyrus calleryana 'Chanticleer' / Chanticleer flowering pear	Cont.	2"-2.5" Caliper, balled and burlapped	
C	6	Fothergilla gardenii / Dwarf Fothergilla	Cont.	2" Ht. or 3 Gal.	
D	6	Ilex glabra 'Nordic' / Nordic Inkberry	Cont.	2" Ht. or 3 Gal.	

**PERENNIALS & GROUND COVERS**

Sum	Qty	Botanical Name / Common Name	Root	Size	Remark
A1	0	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	12	Juncus effusus / Common Rush	Plug	2-1/2"	24" OC
C1	20	Rudbeckia fulgida / Black-Eyed Susan	Cont.	2 Qt.	24" OC

**LAND USE OFFICE**  
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**R-104**

REVISION	DATE	DESCRIPTION

RAIN GARDEN DETAIL  
THE JOURNEY BAPTIST  
CHURCH  
8 EASTERN AVENUE  
BARRINGTON, N.H.  
TAX MAP 236, LOT 83

**BERRY SURVEYING & ENGINEERING**  
335 SECOND CROWN POINT ROAD  
BARRINGTON, NH 03825 {332-2863}  
SCALE : AS NOTED  
DATE : JULY 14, 2015  
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**STATE OF NEW HAMPSHIRE**  
KENNETH A. BERRY  
No. 14243  
LICENSED PROFESSIONAL ENGINEER

**SHEET 19 OF 19**