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PLANNING BOARD  
BARRINGTON, NH

**-APPROVED-**

File Number **270-81182-RC-19-SR**

Date **4/3/2019**

Chairman **[Signature]**

SITE REVIEW  
FOR

STERLING REALTY

66 OLD CONCORD TPK  
BARRINGTON, N.H.  
TAX MAP 270, LOT 81

OWNER: STERLING REALTY  
66 OLD CONCORD TPK UNIT 10  
BARRINGTON, NH 03825

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

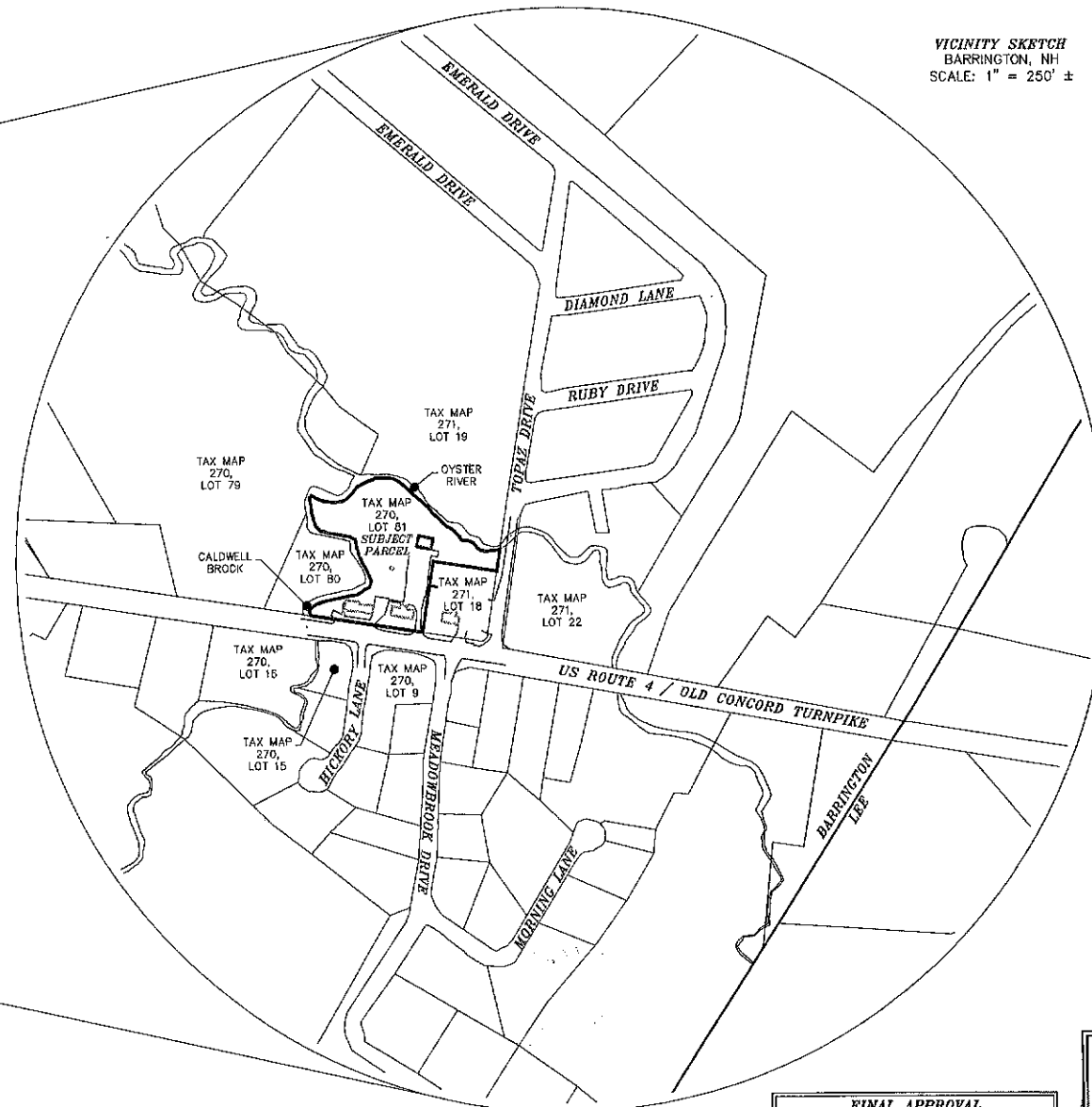
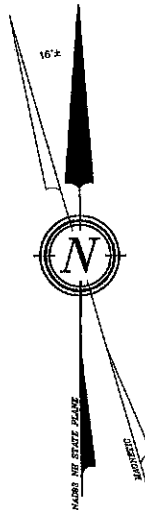
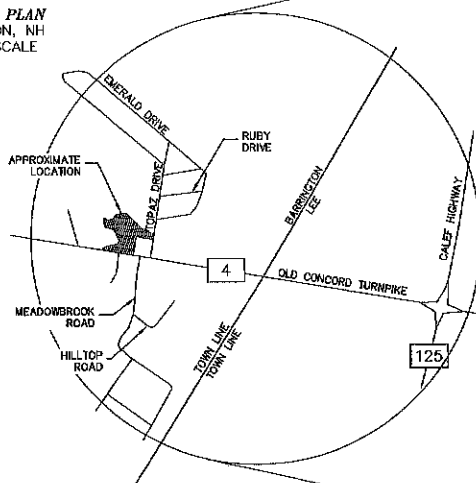
APPLICANT: STERLING REALTY  
66 OLD CONCORD TPK UNIT 10  
BARRINGTON, NH 03825

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

WETLAND SCIENTIST: FRAGGLE ROCK ENVIRONMENTAL SERVICES  
DAMON BURT, CWS #163  
38 GARLAND ROAD  
STRAFFORD, NH 03884  
603-942-7894

VICINITY SKETCH  
BARRINGTON, NH  
SCALE: 1" = 250' ±

LOCATION PLAN  
BARRINGTON, NH  
NOT TO SCALE

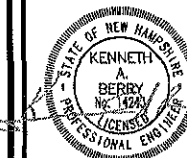
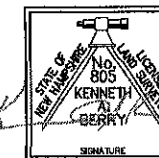


WHETHER OR NOT OTHERWISE EXPRESSLY RECITED ON THIS SITE PLAN, THE SITE PLAN APPROVAL GRANTED IS CONDITIONED ON FAITHFUL AND DILIGENT ADHERENCE BY THE OWNER/SUBDIVIDER/DEVELOPER OF ALL TERMS, CONDITIONS, PROVISIONS AND SPECIFICATIONS OF THE TOWN OF BARRINGTON SITE PLAN REGULATIONS AS AMENDED OR AS MAY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

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.

FINAL APPROVAL  
BY  
BARRINGTON PLANNING BOARD  
CERTIFIED BY : \_\_\_\_\_  
DATE : \_\_\_\_\_



BERRY SURVEYING & ENGINEERING  
335 SECOND CROWN POINT ROAD  
BARRINGTON, NH 03825 (603) 332-2863  
SCALE : AS SHOWN  
DATE : JANUARY 15, 2019  
FILE NO. : DB 2018 - 110

REVISION #	DATE	DESCRIPTION
#3	4-1-19	REVISED PER NOTICE OF DECISION
#2	3-28-19	REVISED PER NOTICE OF DECISION
#1	2-11-19	REVISE DRAINAGE SYSTEM TO MEET 50 YEAR EVENT

SITE REVIEW  
LAND OF  
STERLING REALTY  
66 OLD CONCORD TURNPIKE  
BARRINGTON, NH  
TAX MAP 270, LOT 81

ABBREVIATION LEGEND:

- E.O.P. EDGE OF PAVEMENT
- TYP. TYPICAL
- U.G.E. UNDER GROUND ELECTRIC / UTILITY
- U.D. UNDER DRAIN
- INV. INVERT
- ELEV. ELEVATION
- HDPE HIGH DENSITY POLYETHYLENE
- RCP REINFORCED CONCRETE PIPE
- RECB ROLLED EROSION CONTROL BLANKET
- F.G. FINISHED GRADE
- E.G. EXISTING GRADE
- PL PROPERTY LINE
- EX. EXISTING
- PROP. PROPOSED
- '/,' FEET / FEET
- 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)

EXISTING LEGEND:

- IRON PIPE ~FND~
- UTILITY POLE
- CITY WIRE
- SIGNAGE
- ⊕ TEMPORARY BENCHMARK (T.B.M.)
- POORLY DRAINED WETLAND LINE
- 50' POORLY DRAINED WETLAND BUFFER
- BUILDING SETBACK LINE
- OVERHEAD UTILITIES LINE
- EXISTING CONTOUR MINOR
- EXISTING CONTOUR MAJOR
- C&P NRCS SOIL LABEL
- S.C.R.D. STRAFFORD COUNTY REGISTRY OF DEEDS
- FND FOUND

PROPOSED LEGEND:

- DRY WELL
- FLOW ARROW
- ⊕ TEMPORARY BENCH MARK (T.B.M.)
- DETAIL SHEET / DETAIL
- CONTOUR MINOR
- CONTOUR MAJOR
- UG UNDERGROUND UTILITY
- UD UNDER DRAIN
- SF SILT FENCE / EROSION MIX BERM
- C FILTERBOX 6" - 12" SILT SOX AS SPECIFIED
- C ORANGE CONSTRUCTION PERIMETER FENCE
- RIP RAP

ADJUTERS WITHIN 500':

- N/F MILLER, GLENN & JENNIFER  
59 OLD CONCORD TPK  
BARRINGTON, NH 03825  
TAX MAP 270, LOT 6
- N/F FABIAN, PETER E.  
6 HICKORY LAKE  
BARRINGTON, NH 03825  
TAX MAP 270, LOT 16
- N/F HAYWARD, NICHOLAS P.  
73 OLD CONCORD TPK  
BARRINGTON, NH 03825  
TAX MAP 270, LOT 16
- N/F ELLISON FARM ASSOCIATES  
32 HARRISMAN HILL ROAD  
RAYMOND, NH 03077  
TAX MAP 270, LOT 79
- N/F BORRAZAS, LAWRENCE & HOLLY  
72 OLD CONCORD TPK  
BARRINGTON, NH 03825  
TAX MAP 270, LOT 50
- N/F JOHNSON, ROBERT & MYRIE  
0 MEADOWBROOK DRIVE  
BARRINGTON, NH 03825  
TAX MAP 271, LOT 0

ADJUTERS WITHIN 500' CONT.:

- N/F STERLING REALTY  
65 OLD CONCORD TPK UNIT 10  
BARRINGTON, NH 03825  
TAX MAP 271, LOT 19
- N/F STERLING REALTY  
65 OLD CONCORD TPK UNIT 10  
BARRINGTON, NH 03825  
TAX MAP 271, LOT 19
- N/F STERLING REALTY  
65 OLD CONCORD TPK UNIT 10  
BARRINGTON, NH 03825  
TAX MAP 271, LOT 22

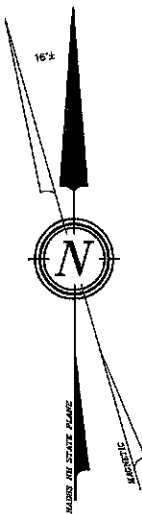
PLANNING BOARD  
BARRINGTON, NH

**- APPROVED -**

File Number **270-81182-RC-19-SR**

Date **7/3/2019**

Chairman **[Signature]**



GIS SKETCH  
BARRINGTON, NH  
SCALE: 1" = 300' ±

REVISION	DATE	DESCRIPTION
#3	4-1-19	REVISED PER NOTICE OF DECISION
#2	3-28-19	REVISED PER NOTICE OF DECISION
#1	2-11-19	REVISE DRAINAGE SYSTEM TO MEET 50 YEAR EVENT

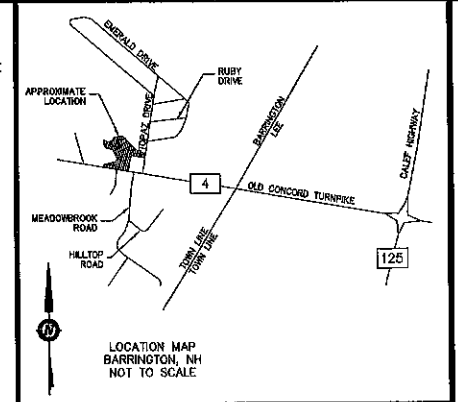
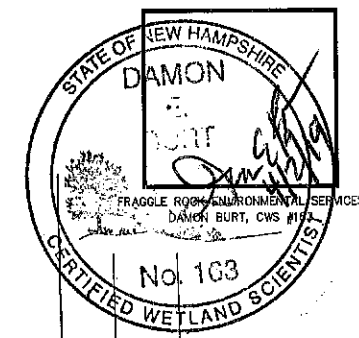
NEIGHBORHOOD PLAN  
LAND OF  
STERLING REALTY  
66 OLD CONCORD TURNPIKE  
BARRINGTON, NH  
TAX MAP 270, LOT 81

**BERRY SURVEYING & ENGINEERING**  
335 SECOND CROWN POINT ROAD  
BARRINGTON, NH 03825 (603)332-2863  
SCALE : AS SHOWN  
DATE : JANUARY 15, 2019  
FILE NO. : DB 2018 - 110

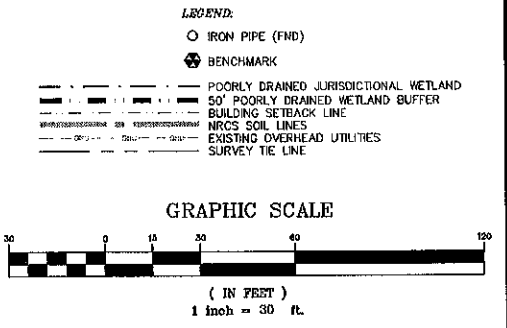
**SOIL DATA:**  
 Csb ~ CHARLTON FINE SANDY LOAM, 3 TO 8% SLOPES, VERY STONY  
 Cib ~ GLOUCESTER FINE SANDY LOAM, 3 TO 8% SLOPES  
 Wa ~ WHITMAN VERY STONY FINE SANDY LOAM  
 Wdb ~ WINDSOR LOAMY SAND, 3 TO 8% SLOPES  
 SEE WEBSOIL

THE WETLAND DELINEATION WAS COMPLETED SEPTEMBER, 2018 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:  
 DAMON BURT, CERTIFIED WETLAND SCIENTIST #163

N/F STERLING REALTY  
 66 OLD CONCORD TPK UNIT 10  
 BARRINGTON, NH 03825  
 TAX MAP 271, LOT 19



- NOTES:**
- OWNER: STERLING REALTY  
66 OLD CONCORD TPK UNIT 10  
BARRINGTON, NH 03825
  - APPLICANT: STERLING REALTY  
66 OLD CONCORD TPK UNIT 10  
BARRINGTON, NH 03825
  - TAX MAP 270, LOT 81
  - LOT AREA: 121,915 ± Sq. Ft., 2.80 Ac.
  - S.C.R.D. BOOK 1976, PAGE 032
  - REGIONAL COMMERCIAL DISTRICT W/ STRATIFIED DRIFT AQUIFER OVERLAY:  
FRONTAGE ~ 200 FT.  
MINIMUM LOT SIZE ~ 40,000 Sq. Ft.  
FRONT SETBACK ~ 75 FT.  
REAR SETBACK ~ 30 FT.  
SIDE SETBACK ~ 30 FT.  
WETLAND BUFFER ~ 50 FT.  
MAX. BUILDING HEIGHT: 40 FT.  
MAX. LOT COVERAGE: 50%
  - THE INTENT OF THIS PLAN IS TO SHOW THE EXISTING CONDITIONS OF TAX MAP 270, LOT 81 AS OF THE DATE OF THIS PLAN.
  - THIS IS NOT A BOUNDARY SURVEY.
  - I HEREBY CERTIFY THAT, TO THE BEST OF MY KNOWLEDGE & BELIEF, A PORTION OF THE PARCEL DOES NOT FALL WITHIN THE FLOOD PLAIN FLOOD HAZARD REF. FEMA COMMUNITY #330176, MAP #330176C0295D, DATED: MAY 17, 2005.
  - TOPOGRAPHIC SURVEY WAS PERFORMED BY BERRY SURVEYING AND ENGINEERING IN SEPTEMBER OF 2018.
  - VERTICAL DATUM BASED ON NAVD88 ELEVATIONS. HORIZONTAL COORDINATES BASED ON NAD83. COORDINATES GATHERED USING TOPCON HIPER SR SURVEY GRADE GPS RECEIVERS.
  - THE SUBJECT PARCEL IS SERVICED BY ON SITE WELL AND SEPTIC.
  - THE EXISTING LOT COVERAGE IS 19,567± Sq. Ft. (0.45 ac.) (16.1%).
  - THE OYSTER RIVER AND CALDWELL BROOK WERE OBTAINED FROM PLAN REFERENCE #1.



- PLAN REFERENCES:**
- "ALTA/ACSM LAND TITLE SURVEY"  
BY: LITTLE RIVER SURVEY COMPANY  
DATED: JULY 1999  
NOT RECORDED
  - "EMERALD ACRES MOBILE HOME PARK PLAN OF R&R ENTERPRISES, INC. BARRINGTON, NH"  
BY: K.E. MOORE & B.G. STAPLES  
DATED: AUGUST 1970  
S.C.R.D. PLAN #11, POCKET #2, FOLDER #46
  - "MEADOWBROOK ESTATES BARRINGTON, NH"  
BY: LEWIS R. HUGHEY  
DATED: AUGUST 23, 1962  
S.C.R.D. PLAN #4, POCKET #1, FOLDER #17

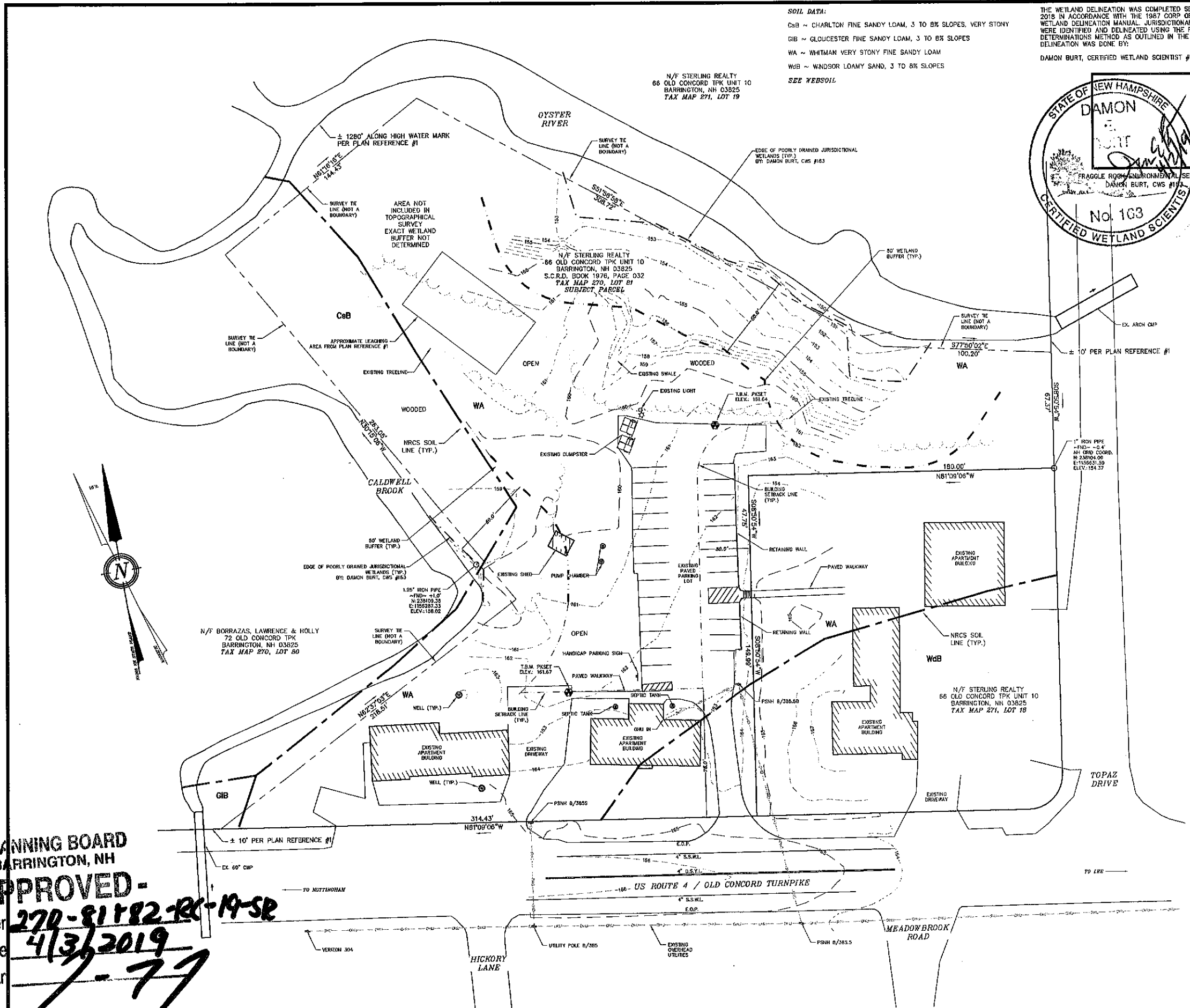
I CERTIFY THAT THIS SURVEY PLAT IS NOT A SUBDIVISION PURSUANT TO THIS TITLE AND THAT THE LINES OF STREETS AND WAYS SHOWN ARE THOSE OF PUBLIC OR PRIVATE STREETS OR WAYS ALREADY ESTABLISHED AND THAT NO NEW WAYS ARE SHOWN.  
 4-1-2019  
 KENNETH A. BERRY L.L.S. 805 DATE

REVISION #	DATE	DESCRIPTION
4-1-19	4-1-19	REVISED PER NOTICE OF DECISION
2-11-19	2-11-19	REVISED PER NOTICE OF DECISION
#2	#1	REVISE DRAINAGE SYSTEM TO MEET 50 YEAR EVENT

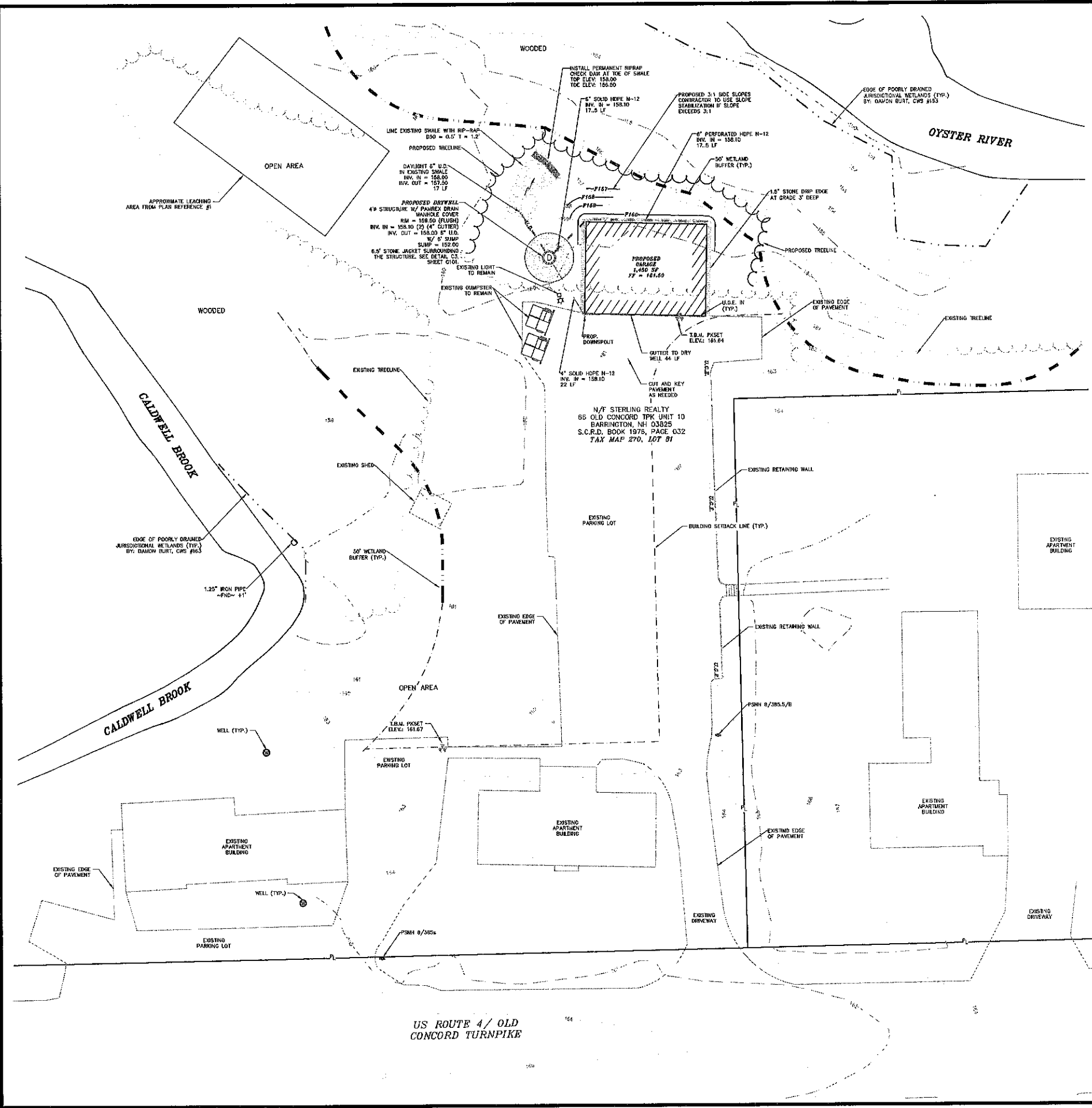
EXISTING CONDITIONS PLAN  
 LAND OF  
 STERLING REALTY  
 66 OLD CONCORD TURNPIKE  
 BARRINGTON, NH  
 TAX MAP 270, LOT 81

**BERRY SURVEYING & ENGINEERING**  
 335 SECOND CROWN POINT ROAD  
 BARRINGTON, NH 03825 (603)332-2863  
 SCALE: 1 IN. EQUALS 30 FT.  
 DATE: JANUARY 15, 2019  
 FILE NO.: DB 2018 - 110

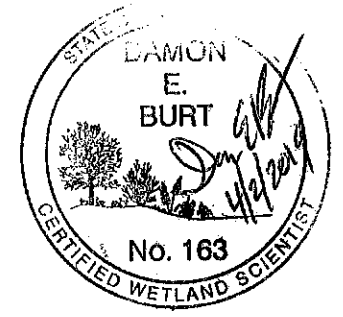
**PLANNING BOARD  
 BARRINGTON, NH  
 - APPROVED -**  
 File Number: **270-81182-RK-19-SR**  
 Date: **4/3/2019**  
 Chairman: **7-77**





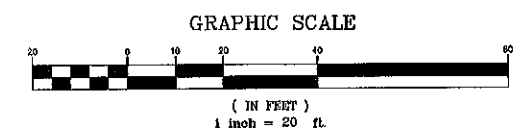


- NOTES:**
- THE INTENT OF THIS PLAN IS TO DEMONSTRATE THE GRADING AND DRAINAGE PLAN DESIGN OF THE SITE AT 66 OLD CONCORD TPK.
  - OWNER: STERLING REALTY  
66 OLD CONCORD TPK UNIT 10  
BARRINGTON, NH 03825
  - APPLICANT: STERLING REALTY  
66 OLD CONCORD TPK UNIT 10  
BARRINGTON, NH 03825
  - TOWN OF BARRINGTON: TAX MAP 270, LOT 81
  - S.C.R.D.: BOOK 1976, PAGE 032
  - 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.
  - THE CONTRACTOR SHALL CALL AND COORDINATE WITH DISSAFE 1-888-344-7233 AT LEAST 72 HOURS PRIOR TO COMMENCING ANY EXCAVATION ON PUBLIC OR PRIVATE PROPERTY.
  - SEE DETAILS CONCERNING SITE LAYOUT, DRAINAGE, UTILITY AND SEDIMENT AND EROSION CONTROLS.
  - ALL CATCH BASINS SHALL BE PRE-CAST 14-20 LADING AND SHALL BE EQUIPPED WITH DEEP SUMPS (4' MIN.) AND HOODS (SEE DETAILS) HOODS ARE TO BE "THE ELIMINATOR" BY KLEANSTREAM. RIMS ARE TO BE REXUS STYLE AND SHALL BE SET FLUSH WITH FINISH GRADE, UNLESS OTHERWISE INSTRUCTED DURING CONSTRUCTION BY DESIGN ENGINEER. RIMS ABOVE FINISH GRADE WILL BE NOT ACCEPTED. ALL RIMS, GRATES AND COVERS ARE TO BE U.S.A. MADE.
  - SEE SEDIMENT & EROSION CONTROL PLAN FOR INLET PROTECTION AND CONTROLS FOR THE ENTIRE SITE
  - ALL DRAINAGE PIPE IS TO BE HDPE N-12 ASTM F2648. (GREEN PIPE) INDIVIDUAL PIPE SIZES ARE SPECIFIED
  - ALL ELEVATIONS TO BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. THE DESIGN ENGINEER IS TO BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCY. TEMPORARY BENCHMARKS (T.B.M.) ARE TO BE PROVIDED BY THE DESIGN ENGINEER.
  - NOTE THAT THE PROJECT NOT IS SUBJECT TO THE EPA NPDES PHASE II.
  - UPON FINAL COMPLETION AND 85% STABILIZATION THE DRAINAGE SYSTEM IS TO BE CLEANED OF ALL DEBRIS TO INCLUDE THE PUMPING OF THE BASIN SUMPS.
  - ALL UNPAVED AREAS ARE TO RECEIVE 4" QUALITY LOAM AND SEED.
  - ALL BASINS AND DRAINS ARE TO HAVE BOOTS INSTALLED ON ALL INLETS AND OUTLETS.
  - ALL NEW ON-SITE UTILITIES SHALL BE INSTALLED UNDERGROUND.
  - WHERE AN EXISTING UNDERGROUND UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, THE LOCATION, ELEVATION AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR, AND THE INFORMATION FURNISHED TO THE ENGINEER FOR RESOLUTION OF THE CONFLICT.
  - 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.
  - FINAL UTILITY LOCATIONS TO BE COORDINATED BETWEEN THE CONTRACTOR, ALL APPROPRIATE UTILITY COMPANIES AND THE TOWN OF BARRINGTON.



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

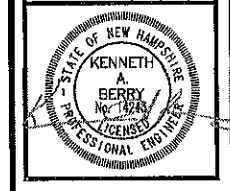
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Date 4/3/2019  
Chairman J. J.



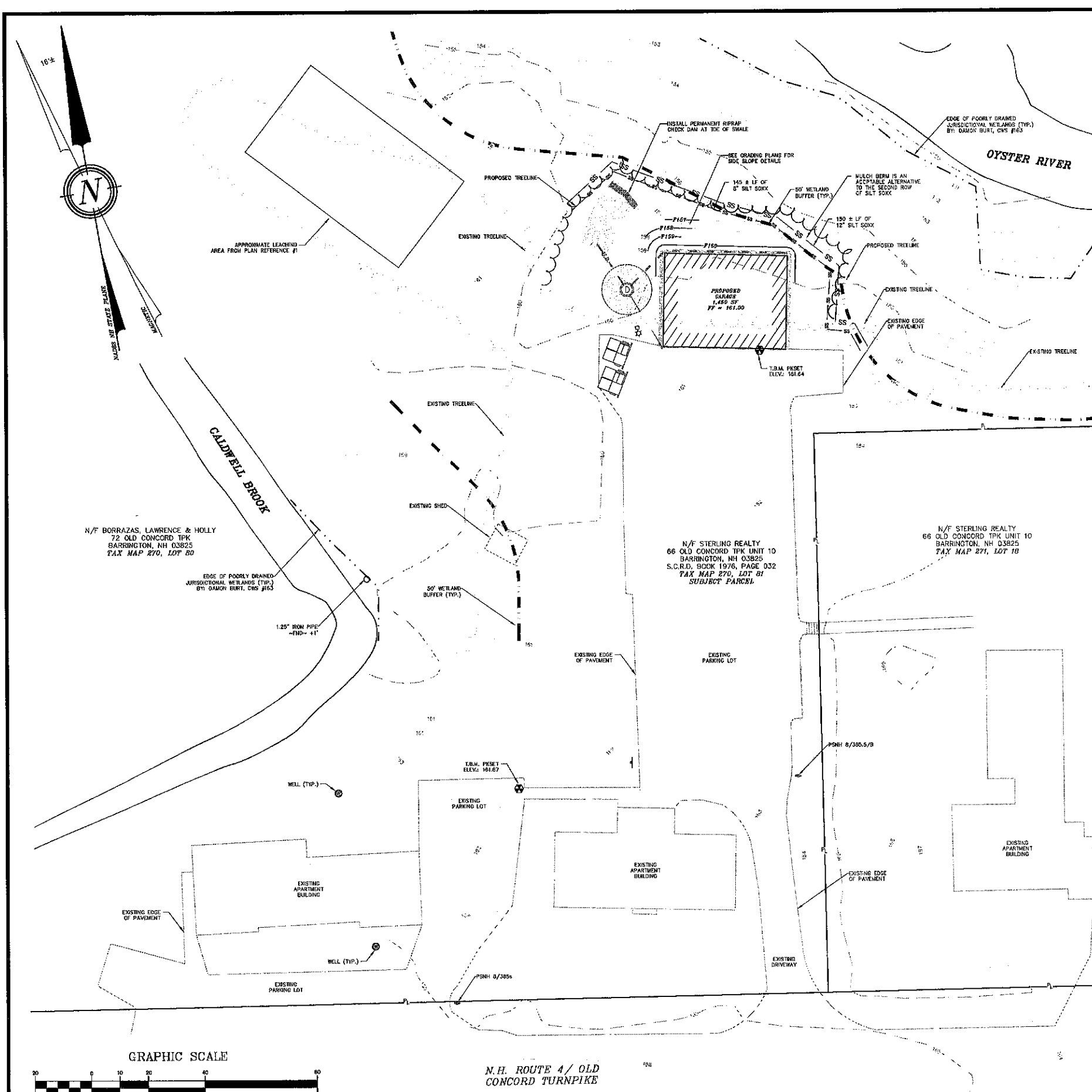
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#2	3-28-19	REVISED PER NOTICE OF DECISION
#1	2-11-19	REVISE DRAINAGE SYSTEM TO MEET 50 YEAR EVENT

GRADING PLAN  
LAND OF  
STERLING REALTY  
66 OLD CONCORD TURNPIKE  
BARRINGTON, NH  
TAX MAP 270, LOT 81

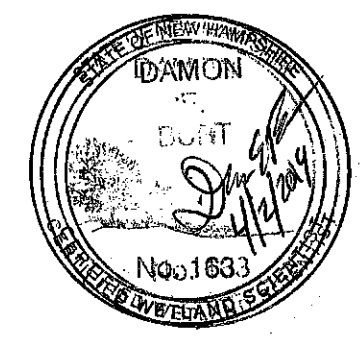
BERRY SURVEYING & ENGINEERING  
335 SECOND CROWN POINT ROAD  
BARRINGTON, NH 03825 (603)532-2863  
SCALE: 1 IN. EQUALS 20 FT.  
DATE: JANUARY 15, 2019  
FILE NO.: DB 2018 - 110







- NOTES:**
- THE INTENT OF THIS PLAN SET IS TO DEMONSTRATE THE EROSION AND SEDIMENT CONTROL MEASURES FOR THE SITE AT 66 OLD CONCORD TPK.
- OWNER: STERLING REALTY  
66 OLD CONCORD TPK UNIT 10  
BARRINGTON, NH 03825
  - APPLICANT: STERLING REALTY  
66 OLD CONCORD TPK UNIT 10  
BARRINGTON, NH 03825
  - TOWN OF BARRINGTON: TAX MAP 270, LOT B1
  - LOT AREA: 121,015 ± Sq. Ft., 2.80 ACRES
  - 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.
  - THE CONTRACTOR SHALL CALL AND COORDINATE WITH DIGSAFE 1-888-344-7233 AT LEAST 72 HOURS PRIOR TO COMMENCING ANY EXCAVATION ON PUBLIC OR PRIVATE PROPERTY.
  - 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.
  - UPON FINAL COMPLETION AND 85% STABILIZATION, THE DRAINAGE SYSTEM IS TO BE CLEANED OF ALL DEBRIS. SEDIMENT CONTROL PRACTICES REMOVED AND DISPOSED OF PROPERLY, AND ANNUAL MAINTENANCE PERFORMED ON ALL DRAINAGE PRACTICES. OWNER TO MAKE NOTE OF THE OPERATION AND MAINTENANCE PLAN.
  - SILT FENCE MAY BE SUBSTITUTED WITH FILTREXX SILT SOXX OR EROSION CONTROL MIX BERM. SILT FENCE IS NOT A SUBSTITUTE FOR FILTREXX SILT SOXX OR APPROVED EQUAL. HOWEVER, CONTRACTOR MAY SUBSTITUTE ORANGE SAFETY SILT FENCE FOR THE PERIMETER PROTECTION.
  - WHILE A CONSTRUCTION ENTRANCE IS NOT REQUIRED FOR THIS SITE, TRACKING ONTO NH ROUTE 4 IS NOT ACCEPTABLE. SWEEPING SHALL BE DONE ON AN AS NEEDED BASIS.



**PLANNING BOARD**  
BARRINGTON, NH  
**-APPROVED-**  
File Number 270-B14P2-RC-19-SR  
Date \_\_\_\_\_  
Chairman [Signature]

**SOILS & DEWATERING:**

ChB	CHARLTON	FINE SANDY LOAM	K= 0.48
Wh	WHEATMAN	VERY STONY FINE SANDY LOAM	K= 0.24
WJb	WINDSOR	LOAMY SAND	K= 0.17

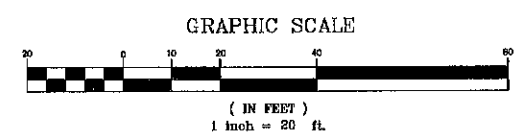
SEE WEBSOIL USDA-NRCS ERODIBILITY FACTOR - K, CPESC MANUAL, ENVROCERT INTERNATIONAL INC. & ROCKINGHAM COUNTY SOIL SURVEY, ROCKWEB SOIL ATTRIBUTES.

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

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

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

- LEGEND:**
- ⊗ RAIN GARDEN BIO-MEDIA PROTECTION
  - ⊙ PERIMETER CONTROL
  - ⊖ RESIDENTIAL/ROADWAY CONSTRUCTION
  - ⊕ IRON PIPE (FND)
  - ⊘ UTILITY POLE
  - ⊙ GUY WIRE
  - ⊗ WELL
  - ⊕ BENCHMARK
  - ⊙ CONFEROUS TREE
  - ⊖ DECIDUOUS TREE
  - SS SILT FENCE
  - SS FILTREXX SILT SOXX
  - TREE LINE

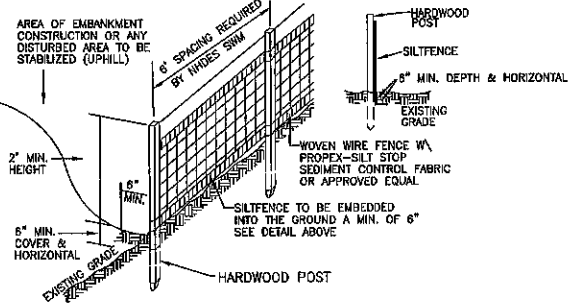


REVISION	DATE	DESCRIPTION
#1	4-1-19	REVISED PER NOTICE OF DECISION
#2	3-20-19	REVISED PER NOTICE OF DECISION
#3	2-11-19	REVISE DRAINAGE SYSTEM TO MEET 50 YEAR EVENT

EROSION AND SEDIMENT CONTROL PLAN  
LAND OF  
STERLING REALTY  
66 OLD CONCORD TURNPIKE  
BARRINGTON, NH  
TAX MAP 270, LOT B1

BERRY SURVEYING & ENGINEERING  
335 SECOND CROWN POINT ROAD  
BARRINGTON, NH 03825 (603)332-2863  
SCALE : 1 IN. EQUALS 20 FT.  
DATE : JANUARY 15, 2019  
FILE NO. : DB 2018 - 110

E1

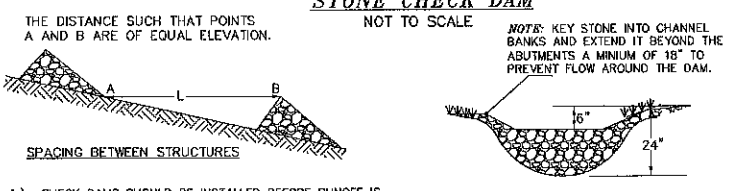


- SILT FENCE CONSTRUCTION SPECIFICATIONS
1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES AND FILTER CLOTH SHALL BE FASTENED TO WOVEN WIRE EVERY 24" AT TOP MID AND BOTTOM SECTIONS AND BE EMBEDDED INTO GROUND A MINIMUM OF 8" THE FENCE POSTS SHALL BE A MINIMUM 48" LONG, SPACED A MAXIMUM 10' APART, AND DRIVEN A MINIMUM OF 18" INTO THE GROUND.

- 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.

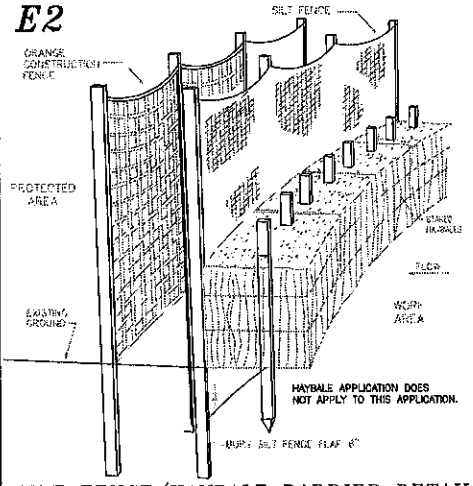
SILT FENCE DETAIL NOT TO SCALE

E5



- 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 THAN ONE ACRE.

E2



SILT FENCE/HAYBALE BARRIER DETAIL THIS METHOD TO BE USED ALONG THE REAR OF THE PROPERTY NOT TO SCALE

E3

CONSTRUCTION SEQUENCE:

- 1. CUT AND REMOVE TREES IN CONSTRUCTION AREA ONLY AS REQUIRED, RELOCATE ANY PROJECT T.E.M.
2. CONSTRUCT AND/OR INSTALL TEMPORARY AND PERMANENT EROSION AND DETENTION CONTROL FACILITIES AS SPECIFIED. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY SOIL LAND DISTURBANCE AND MUST BE REVIEWED AND APPROVED BY THE COMMUNITY SERVICES DEPARTMENT.

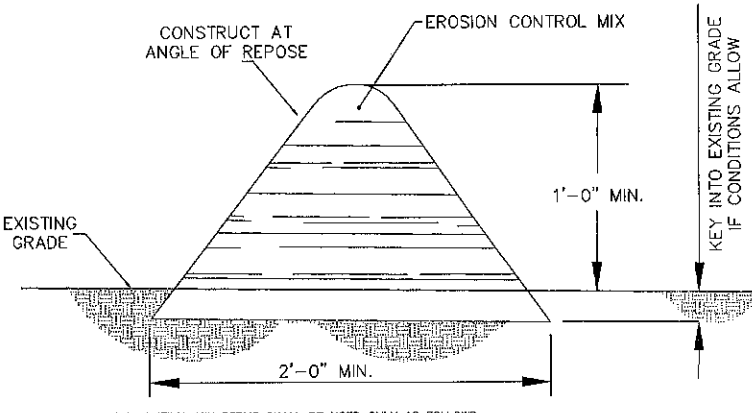
E4

DEFINITION OF STABLE:

- PER ENV-WQ 1500 ALTERATION OF TERRAIN
1. BASE COURSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED.
2. A MINIMUM OF 85 PERCENT VEGETATED GROWTH HAS BEEN ESTABLISHED..
3. A MINIMUM OF 3 INCHES OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIP-RAP HAS BEEN INSTALLED.

E6

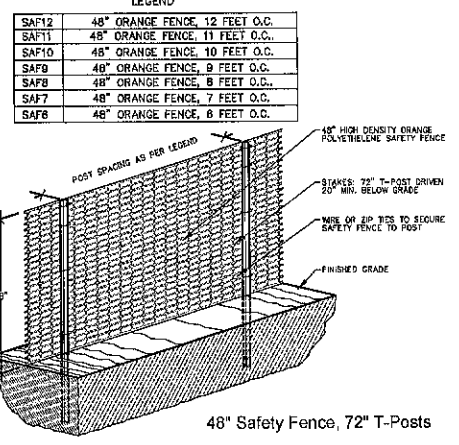
EROSION CONTROL MIX BERM NOT TO SCALE



- EROSION CONTROL MIX BERMS SHALL BE USED ONLY AS FOLLOWS:
1. BERMS SHALL BE USED IN AREAS WHERE EROSION WILL OCCUR ONLY IN THE FORM OF SHEET EROSION AND THERE IS NO CONCENTRATION OF WATER IN A CHANNEL OR DRAINAGE WAY ABOVE THE BERM.

E7

CONSTRUCTION SAFETY FENCE NOT TO SCALE



- 1. ALL SENSITIVE AREAS SHALL BE PROTECTED AS PER PLAN.
2. ALL TREES IN THE CONSTRUCTION AREA NOT SPECIFICALLY DESIGNATED FOR REMOVAL SHALL BE PRESERVED AND PROTECTED WITH HIGH VISIBILITY FENCE AS PER PLAN.

E8

TEMPORARY EROSION CONTROL MEASURES

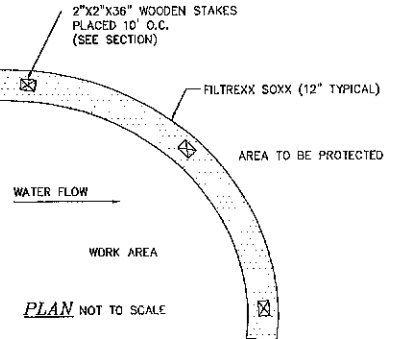
- 1. THE SMALLEST PRACTICAL AREA OF LAND SHALL BE EXPOSED AT ANY ONE TIME.
2. EROSION, SEDIMENT AND DETENTION MEASURES SHALL BE INSTALLED AS SHOWN ON THE PLANS AND AT LOCATIONS AS REQUIRED, DIRECTED BY THE ENGINEER.

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.
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).

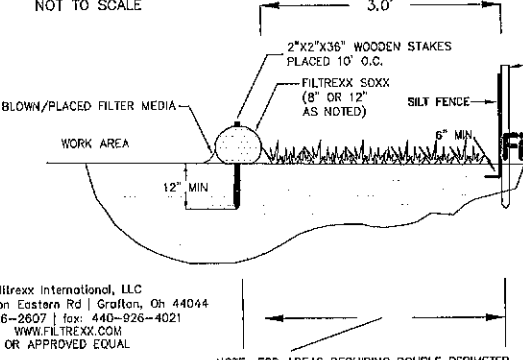
E9

E10



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

FILTREXX SEDIMENT CONTROL NOT TO SCALE



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

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

SECTION NOT TO SCALE

PLANNING BOARD BARRINGTON NH

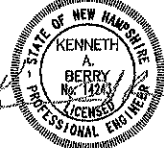
APPEAL File Number 220-81482-RC-19-52 Date 4/3/2019 Chairman [Signature]

E-101

Table with 3 columns: REVISION, DATE, DESCRIPTION. Includes entries for 4-1-19, 3-28-19, and 2-11-19.

EROSION & SEDIMENT CONTROL DETAILS LAND OF STERLING REALTY 66 OLD CONCORD TURNPIKE BARRINGTON, NH 74X MAP 270, LOT #1

BERRY SURVEYING & ENGINEERING 335 SECOND CROWN POINT ROAD BARRINGTON, NH 03825 (603)352-2863 SCALE: AS NOTED DATE: JANUARY 15, 2019 FILE NO.: DB 2018 - 110 SHEET 6 OF 7



**C1** NOTE: Temporary seed mix for stabilization of turf shall be winter rye or oats at a rate of 2.5 lbs. per 1000 s.f. and shall be placed prior to OCT. 15. If permanent seeding not yet complete.

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

USE	SEEDING MIXTURE 1/		WELL DRAINED	MODERATELY WELL DRAINED	POORLY DRAINED
	A	B			
STEEL CUTS AND PALE BROWN AND IMPROVAL AREAS	F	F	GOOD	GOOD	FAIR
WATERWAYS, EMERGENCY DRAINAGE AND OTHER CHANNELS WITH FLOODING WATER	A	A	GOOD	EXCELLENT	EXCELLENT
URBAN USES: PARKING LOTS, COW AREAS, LANDFILL AREAS AND LOW VELOCITY USE (ROADSIDE USE)	A	A	GOOD	GOOD	FAIR
PLAY AREAS AND ATHLETIC FIELDS (EXCEPT FOR SOFTBALL FOR GOOD TURF)	F	F	EXCELLENT	EXCELLENT	EXCELLENT

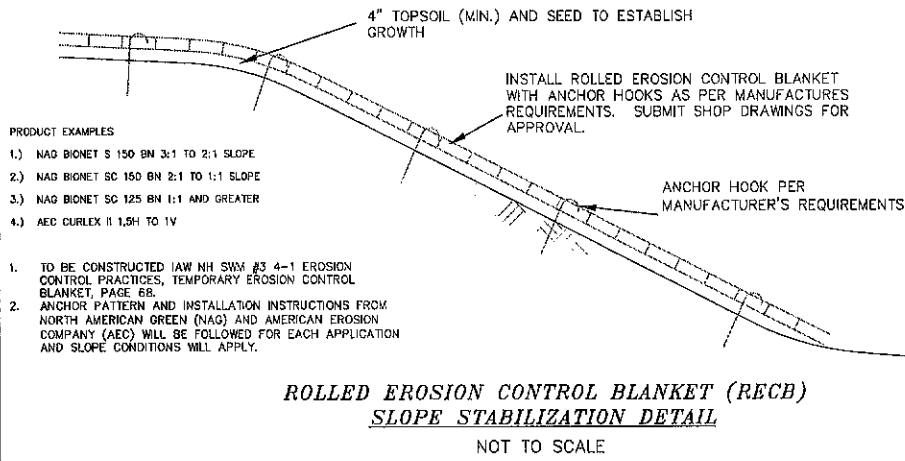
MIXTURE	POUNDS PER ACRE	POUNDS PER 1,000 S.F.
A. TALL FESCUE CREEPING RED FESCUE RED TOTAL	20 20 40	0.45 0.45 0.90
B. TALL FESCUE CREEPING RED FESCUE CROWN VETCH OR FLAT PEA TOTAL	15 15 30	0.35 0.35 0.70
C. TALL FESCUE CREEPING RED FESCUE BRIS FOOT TREFOIL TOTAL	24 24 48	0.55 0.55 1.10
D. TALL FESCUE FLAT PEA TOTAL	20 20	0.45 0.45
E. CREEPING RED FESCUE / KENTUCKY BLUEGRASS 1/2 TOTAL	50 50	1.10 1.10
F. TALL FESCUE 1	100	3.20

CONSERVATION MIX	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

**SEEDING SPECIFICATIONS**

- GRADING AND SHAPING
  - 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.
- SEEDING PREPARATION
  - SURFACE AND SEEPAGE WATER SHOULD BE DRAINED OR DIVERTED FROM THE SITE TO PREVENT DROWNING OR WINTER KILLING OF THE PLANTS.
  - 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.
- ESTABLISHING A STAND
  - 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.)
  - SEED SHOULD BE SPREAD UNIFORMLY BY THE METHOD MOST APPROPRIATE FOR THE SITE. METHODS INCLUDE BROADCASTING, DRILLING AND HYDROSEEDING. WHERE BROADCASTING IS USED, COVER SEED WITH .25 INCH OF SOIL OR LESS, BY CULTIPACKING OR RAKING.
  - REFER TO TABLE(C-1) THIS SHEET) FOR APPROPRIATE SEED MIXTURES AND TABLE(H-1) THIS SHEET) FOR RATES OF SEEDING. ALL LEGUMES (CROWN VETCH, BIRDSFOOT TREFOIL, AND FLATPEA) MUST BE INOCULATED WITH THEIR SPECIFIC INOCULANT.
  - WHEN SEEDING AREAS ARE MULCHED, PLANTINGS MAY BE MADE FROM EARLY SPRING TO EARLY OCTOBER. WHEN SEEDING AREAS ARE NOT MULCHED, PLANTINGS SHOULD BE MADE FROM EARLY SPRING TO MAY 20 OR FROM AUGUST 10 TO SEPTEMBER 1.
- MULCH
  - HAY, STRAW, OR OTHER MULCH, WHEN NEEDED, SHOULD BE APPLIED IMMEDIATELY AFTER SEEDING.
  - MULCH WILL BE HELD IN PLACE USING APPROPRIATE TECHNIQUES FROM THE BEST MANAGEMENT PRACTICE FOR MULCHING. HAY OR STRAW MULCH SHALL BE PLACED AT A RATE OF 90LBS PER 1000 S.F.
- MAINTENANCE TO ESTABLISH A STAND
  - PLANTED AREA SHOULD BE PROTECTED FROM DAMAGE BY FIRE, GRAZING, TRAFFIC, AND DENSE WEED GROWTH.
  - FERTILIZATION NEEDS SHOULD BE DETERMINED BY ONSITE INSPECTIONS. SUPPLEMENTAL FERTILIZER IS USUALLY THE KEY TO FULLY COMPLETE THE ESTABLISHMENT OF THE STAND BECAUSE MOST PERENNIAL TAKE 2 TO 3 YEARS TO BECOME ESTABLISHED.
  - IN WATERWAYS, CHANNELS, OR SWALES WHERE UNIFORM FLOW CONDITIONS ARE ANTICIPATED, OCCASIONAL MOWING MAY BE NECESSARY TO CONTROL GROWTH OF WOODY VEGETATION. TO BE CONSTRUCTED IAW NH SWM #3 4-1 EROSION CONTROL PRACTICES, PERMANENT VEGETATION, PAGE 60.

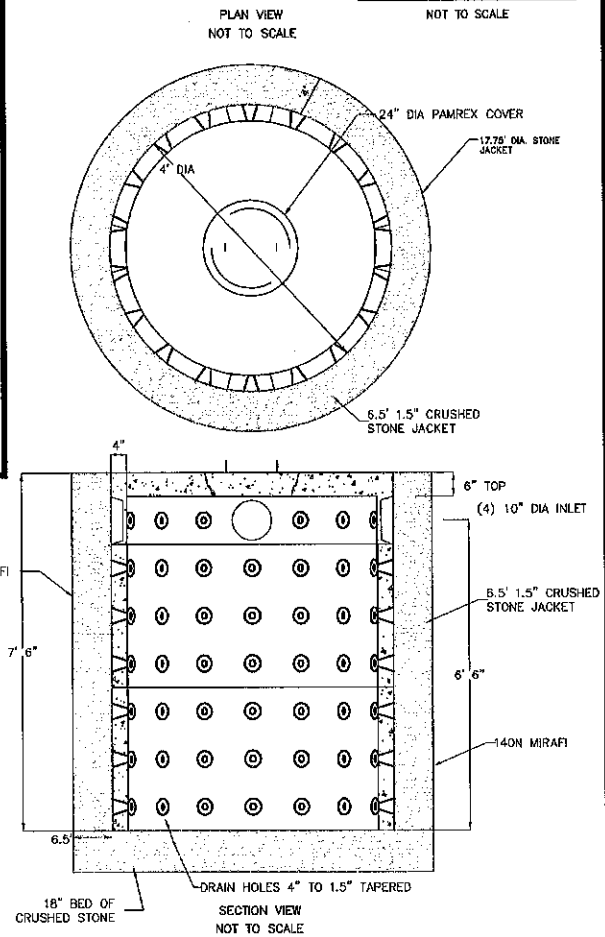
**C2**



ITEM NO.	DESCRIPTION	QUANTITY	UNIT
1	1200 GALLON 1200SWM STANDARD	7,400#	
2	1200SWM H-20	7,400#	
3	3" STACKABLE ADS	2,000#	

- NOTES:
- CONCRETE: 4,000 PSI MINIMUM AFTER 28 DAYS.
  - ALSO AVAILABLE IN AASHTO HS-20 LOADING.
  - CAPACITY INCREASES IN INCREMENTS OF 500 GALLONS FOR EACH 3" SECTION ADDED.
  - MUST BE SHEA CONCRETE PRODUCT OR EQUAL.
  - DRY WELL CAPACITY IS 2,600 GALLONS.

**C3**



**C4**

**MAINTENANCE NOTES**

**INTRODUCTION**

THE BEST MANAGEMENT PRACTICES (BMP) DESCRIBED IN THIS MANUAL ARE SPECIFIED IN MORE DETAIL WITHIN THE PLAN SET GIVING DESIGN DETAILS AND SPECIFICATIONS. THE NEW HAMPSHIRE STORMWATER MANUAL, VOLUME 2, POST-CONSTRUCTION BEST MANAGEMENT PRACTICES SELECTION & DESIGN (DECEMBER 2008, NHDES & US EPA) IS INCLUDED BY REFERENCE TO THIS MANUAL. ADDITIONAL DETAILS, CONSTRUCTION SPECIFICATIONS, AND EXAMPLE DRAWINGS ARE PROVIDED WITHIN THIS REFERENCE. (HTTP://DESIGN.NH.GOV/ORGANIZATION/DIVISIONS/WATER/STORMWATER/)

THE BMP'S ARE COVERED BELOW IN THE GENERAL ORDER IN WHICH THE STORM WATER FLOWS. EACH BMP HAS A DESCRIPTION AND MAINTENANCE CONSIDERATION LISTED.

**DEEP SUMP CATCH BASINS / DRYWELL INFILTRATION**

**DESCRIPTION:** THERE IS A DRYWELL STRUCTURE WITH A DEEP SUMP DESIGNED TO CAPTURE FLOW FROM THE IMPERVIOUS SURFACE AND REINFILTRATE IT INTO THE GROUND DURING CERTAIN STORM EVENTS. THIS STRUCTURE HAS AN OVERFLOW DEVICE FOR LARGER EVENTS THAN THE SYSTEM CAN HANDLE.

**MAINTENANCE CONSIDERATIONS:** SEDIMENT MUST BE REMOVED FROM DEEP SUMP CATCH BASINS AND DEEP SUMP MANHOLES ON A REGULAR BASIS, AT LEAST TWICE A YEAR AND MORE OFTEN IF THE SUMPS BECOME HALF-FULL. INSPECTIONS SHOULD BE CONDUCTED PERIODICALLY. AT A MINIMUM THEY SHOULD BE CLEANED AFTER SNOW-MELT AND AFTER LEAF-DROP. DAMAGED OUTLET HOODS MUST BE REPLACED. IT IS RECOMMENDED THAT A VACUUM TRUCK BE UTILIZED AS CONTRASTED TO A CLAM-SHELL METHOD TO AVOID DAMAGE TO THE HOOD. HYDROCARBONS FOUND TO BE FLOATING IN THE BASIN SHOULD BE REMOVED BY SKIMMING, ABSORBENT MATERIALS, OR OTHER METHOD. DISPOSAL OF ALL MATERIAL, SEDIMENT, AND DEBRIS MUST BE DONE IN ACCORDANCE WITH STATE AND FEDERAL REGULATIONS.

**OUTLET PROTECTION**

**DESCRIPTION:** OUTLET PROTECTION CONSISTS OF A RIP-RAP APRON OR PREFORMED SCOUR HOLE THAT IS DESIGNED TO PROVIDE VELOCITY REDUCTION OF THE SURFACE WATER RUN-OFF THAT IS LEAVING A CULVERT. THE DESIGN IS DEPENDENT ON THE CULVERT SIZE, SOIL CONDITIONS, VELOCITY, AND QUANTITY OF THE RUN-OFF. THERE ARE TO BE NO BEND OR CURVES AT THE INTERSECTION OF THE CONDUIT AND APRON.

**MAINTENANCE CONSIDERATIONS:** THE RIPRAP OUTLET PROTECTION WILL BE INSPECTED ANNUALLY FOR DAMAGE, WHICH MUST BE CORRECTED IMMEDIATELY. ANY SEDIMENT BUILDUP WILL BE REMOVED AND DISPOSED OF CORRECTLY. THIS MATERIAL WILL BE CLEANED OUT ALONG WITH ANY GROSS SOLIDS AND DISPOSED OF PROPERLY. (SEE INVASIVE SPECIES BELOW) ANY RIP RAP THAT HAS BEEN DISPLACED FROM THE ORIGINAL CONSTRUCTION WILL BE REPAIRED, ESPECIALLY RECREATING THE LEVEL UP.

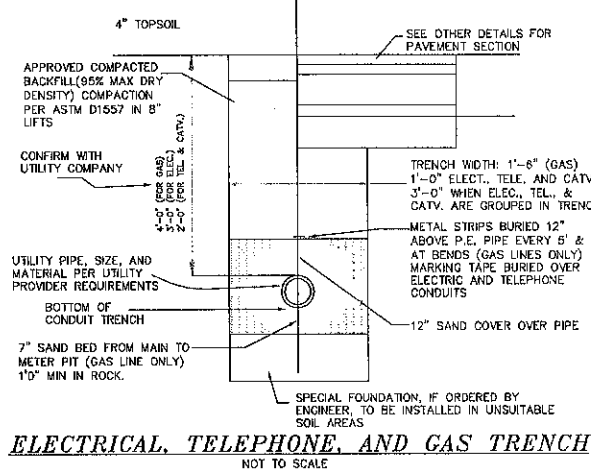
**CONTROL OF INVASIVE PLANTS**

DURING MAINTENANCE ACTIVITIES, CHECK FOR THE PRESENCE OF INVASIVE PLANTS AND REMOVE IN A SAFE MANNER AS DESCRIBED ON THE FOLLOWING PAGES. THEY SHOULD BE CONTROLLED AS DESCRIBED ON THE FOLLOWING PAGES.

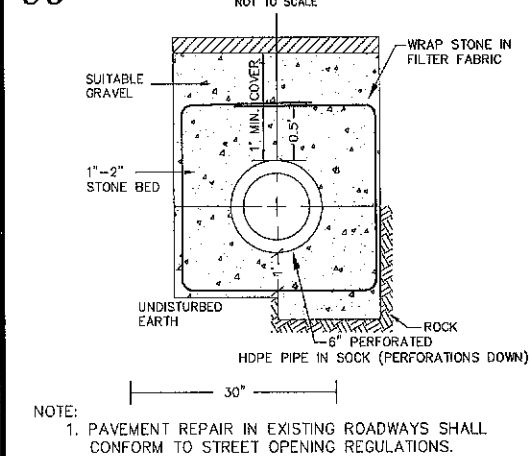
INVASIVE PLANTS ARE INTRODUCED, ALIEN, OR NON-NATIVE PLANTS, WHICH HAVE BEEN MOVED BY PEOPLE FROM ONE AREA TO ANOTHER AREA. SOME EXOTIC PLANTS ARE IMPORTED FOR HUMAN USE SUCH AS LANDSCAPING, EROSION CONTROL, OR FOOD CROPS. THEY ALSO CAN BE INTRODUCED AMONG SHIPMENTS OF OTHER PLANTS, SEEDS, PACKING MATERIALS, OR FRESH PRODUCE. SOME EXOTIC PLANTS BECOME INVASIVE AND ARE LISTED BELOW.

- BECOMING WEEDY AND OVERGROWN;
- KILLING ESTABLISHED SHADE TREES;
- OBSTRUCTING PIPES AND DRAINAGE SYSTEMS;
- FORMING DENSE BEDS IN WATER;
- LOWERING WATER LEVELS IN LAKES, STREAMS, AND WETLANDS;
- DESTROYING NATURAL COMMUNITIES;
- PROMOTING EROSION ON STREAM BANKS AND HILLSIDES; AND
- RESISTING CONTROL EXCEPT BY HAZARDOUS CHEMICAL.

**C5**



**C6**

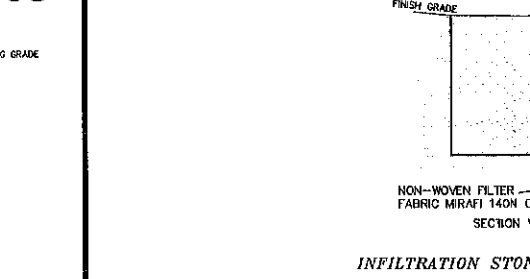


**Manhole Castings L-2**

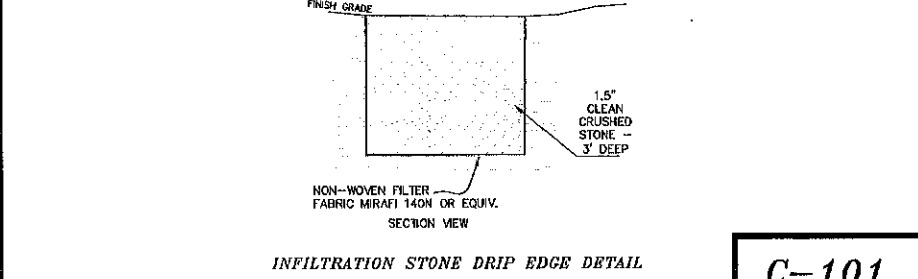
**Pamrex Ductile Iron Frame & Cover**

DRAIN MAN HOLE FRAME AND GRATE WILL BE PAMREX, OR APPROVED EQUAL, 24 INCH OPENING, DUCTILE IRON, H20 LOADING.

**C8**



**C9**



**PLANNING BOARD BARRINGTON, NH**

**- APPROVED -**

File Number 270-81+82-RC-19-SR

Date 4/3/2019

Chairman [Signature]

REVISION	DATE	DESCRIPTION
#3	4-1-19	REVISED PER NOTICE OF DECISION
#2	3-28-19	REVISED PER NOTICE OF DECISION
#1	2-11-19	REVISE DRAINAGE SYSTEM TO MEET 50 YEAR EVENT

CONSTRUCTION DETAILS  
LAND OF  
STERLING REALTY  
66 OLD CONCORD TURNPIKE  
BARRINGTON, NH  
TAX MAP 270, LOT 81

**BERRY SURVEYING & ENGINEERING**

335 SECOND CROWN POINT ROAD  
BARRINGTON, NH 03825 (603) 332-2863

SCALE: AS NOTED

DATE: JANUARY 15, 2019

FILE NO.: DB 2018 - 110

STATE OF NEW HAMPSHIRE  
KENNETH BERRY  
REGISTERED PROFESSIONAL ENGINEER  
NO. 11240