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# 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

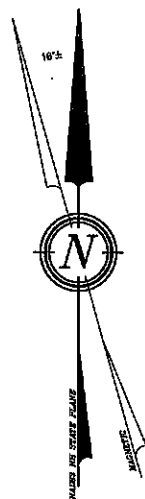
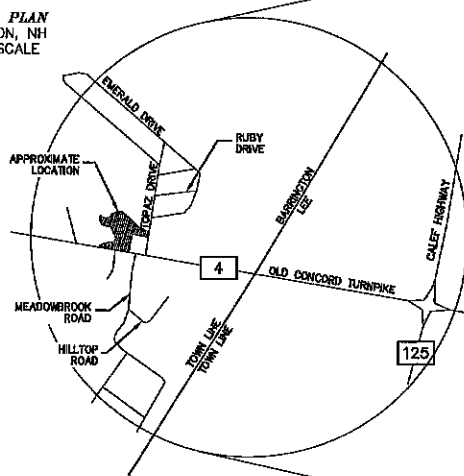
**SURVEYOR OF RECORD:** KENNETH A. BERRY, PE, LLS  
CPSWQ, CPESC, CESSW  
BERRY SURVEYING & ENGINEERING  
335 SECOND CROWN POINT ROAD  
BARRINGTON, NH 03825  
(603) 332-2863

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

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

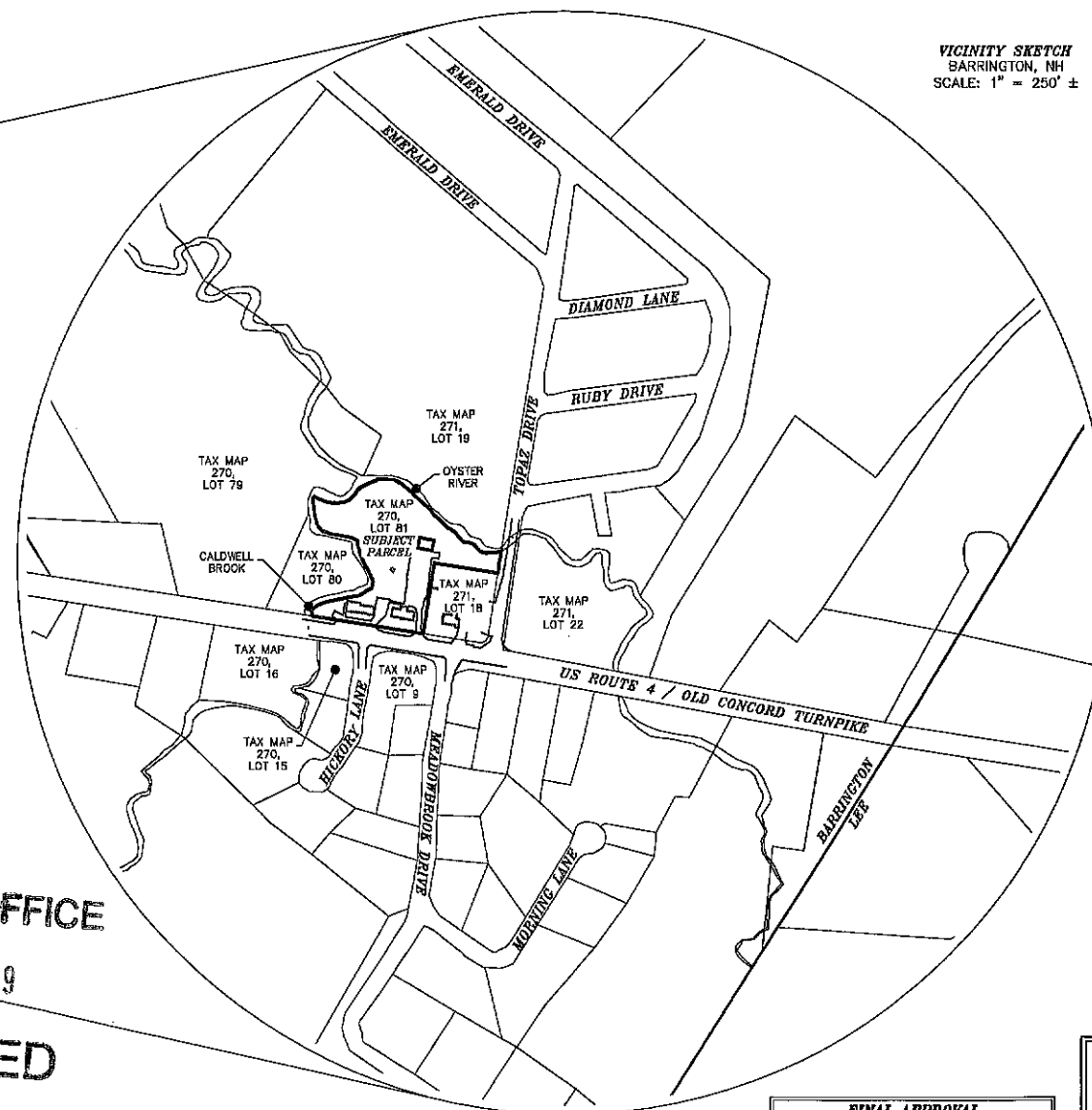
**WETLAND SCIENTIST:** FRAGGLE ROCK ENVIRONMENTAL SERVICES  
DAMON BURT, CWS #163  
38 GARLAND ROAD  
STRAFFORD, NH 03884  
603-942-7894

**LOCATION PLAN**  
BARRINGTON, NH  
NOT TO SCALE



**LAND USE OFFICE**  
FEB 13 2019  
**RECEIVED**

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

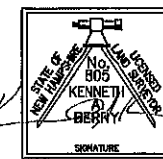


WHETHER OR NOT OTHERWISE EXPRESSLY RECITED ON THIS SITE PLAN, THE SITE PLAN APPROVAL GRANTED IS CONDITIONED ON FAITHFUL AND DILIGENT ADHERENCE BY THE OWNER/SUBDIVIDER/DEVELOPER OF ALL TERMS, CONDITIONS, PROVISIONS AND SPECIFICATIONS OF THE TOWN OF BARRINGTON SITE PLAN REGULATIONS AS AMENDED OR AS MAY 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.

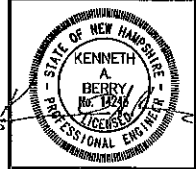
**GENERAL PLAN SET NOTES:**

- 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



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

REVISION #	DATE	DESCRIPTION
#1	2-11-19	REVERSE DRAINAGE SYSTEM TO MEET 50 YEAR EVENT

**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
- GUY 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
- CaD NROS 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
- UNDERGROUND UTILITY
- UNDER DRAIN
- SILT FENCE / EROSION MIX BERM
- FILTEREX 8" - 12" SILT SOXX AS SPECIFIED
- ORANGE CONSTRUCTION PERIMETER FENCE
- RIP RAP

**ADJACERS WITHIN 500':**

N/F FULLER, GLENN & JENNIFER  
66 OLD CONCORD TPK  
BARRINGTON, NH 03825  
TAX MAP 270, LOT 9

N/F FARLAN, PETER E.  
6 HICKORY LANE  
BARRINGTON, NH 03825  
TAX MAP 270, LOT 16

N/F HAYWARD, NICHOLAS P.  
75 OLD CONCORD TPK  
BARRINGTON, NH 03825  
TAX MAP 270, LOT 18

N/F ELLISON FARM ASSOCIATES  
32 HARRISMAN HILL ROAD  
BARRINGTON, NH 03827  
TAX MAP 270, LOT 78

N/F BORRAZAS, LAWRENCE & HOLLY  
75 OLD CONCORD TPK  
BARRINGTON, NH 03825  
TAX MAP 270, LOT 80

N/F JOHNSON, ROBERT & MYRTLE  
9 MEADOWSBOOK DRIV  
BARRINGTON, NH 03825  
TAX MAP 271, LOT 8

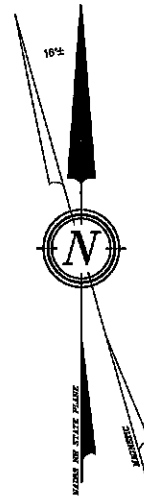
**ADJACERS WITHIN 500' CONT.:**

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

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

N/F STERLING REALTY  
85 OLD CONCORD TPK UNIT 10  
BARRINGTON, NH 03825  
TAX MAP 271, LOT 21

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



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

LAND USE OFFICE

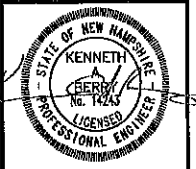
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REVISION #	DATE	DESCRIPTION
#1	2-11-19	REVISE DRAINAGE SYSTEM TO MEET 50 YEAR EVENT

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



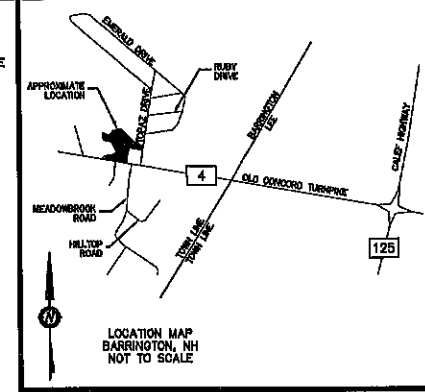
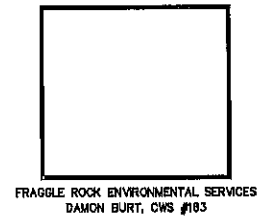
**SOIL DATA:**

CaB ~ CHARLTON FINE SANDY LOAM, 3 TO 8% SLOPES, VERY STONY  
 GB ~ 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

N/F STERLING REALTY  
 66 OLD CONCORD TPK UNIT 10  
 BARRINGTON, NH 03825  
 TAX MAP 270, LOT 19

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 #183



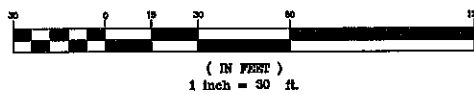
**NOTES:**

- 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 PLAN FLOOD HAZARD REF.: FEMA COMMUNITY #330178, MAP #33017C02950, DATED: MAY 17, 2005.
- TOPOGRAPHIC SURVEY WAS PERFORMED BY BERRY SURVEYING AND ENGINEERING IN SEPTEMBER OF 2018.
- VERTICAL DATUM BASED ON NAVD83 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.

**LEGEND:**

- IRON PIPE (FND)
- ⊕ BENCHMARK
- POORLY DRAINED JURISDICTIONAL WETLAND
- - - 50' POORLY DRAINED WETLAND BUFFER
- - - BUILDING SETBACK LINE
- - - NRCS SOIL LINES
- - - EXISTING OVERHEAD UTILITIES

**GRAPHIC SCALE**



**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 #48
- "MEADOWBROOK ESTATES BARRINGTON, NH" BY: LEWIS R. HUGHLEY DATED: AUGUST 23, 1992 S.C.R.D. PLAN #4, POCKET #1, FOLDER #17

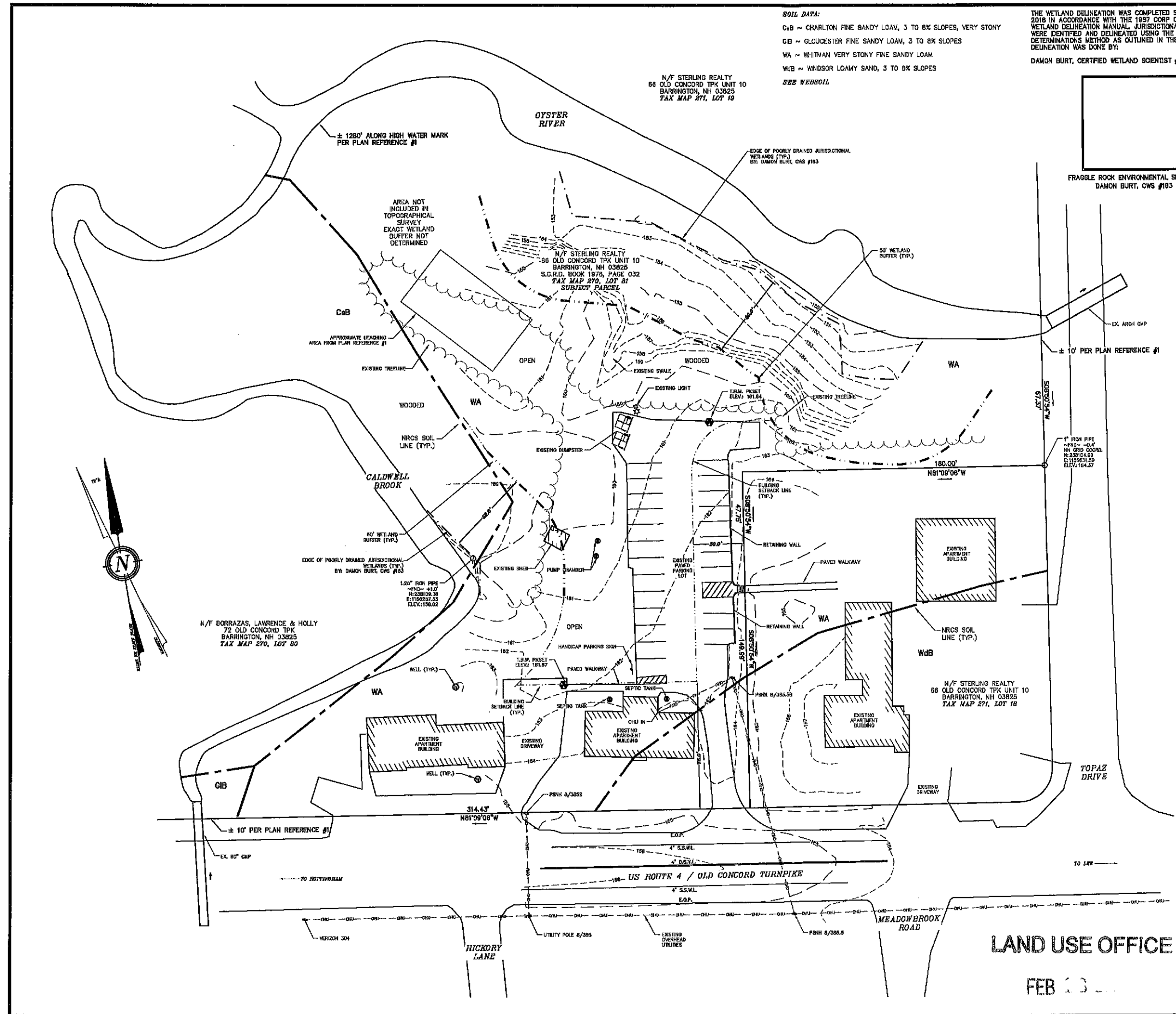
I CERTIFY THAT THIS SURVEY PLAT IS NOT A SUBDIVISION PURSUANT TO THIS TITLE AND THAT THE LINES OF STREETS AND WAYS SHOWN ARE THOSE OF PUBLIC OR PRIVATE STREETS OR WAYS ALREADY ESTABLISHED AND THAT NO NEW WAYS ARE SHOWN.  
 2-11-19  
 KENNETH A. BERRY L.L.S. 805 DATE

REVISION	DATE	DESCRIPTION
#1	2-11-19	REVERSE 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

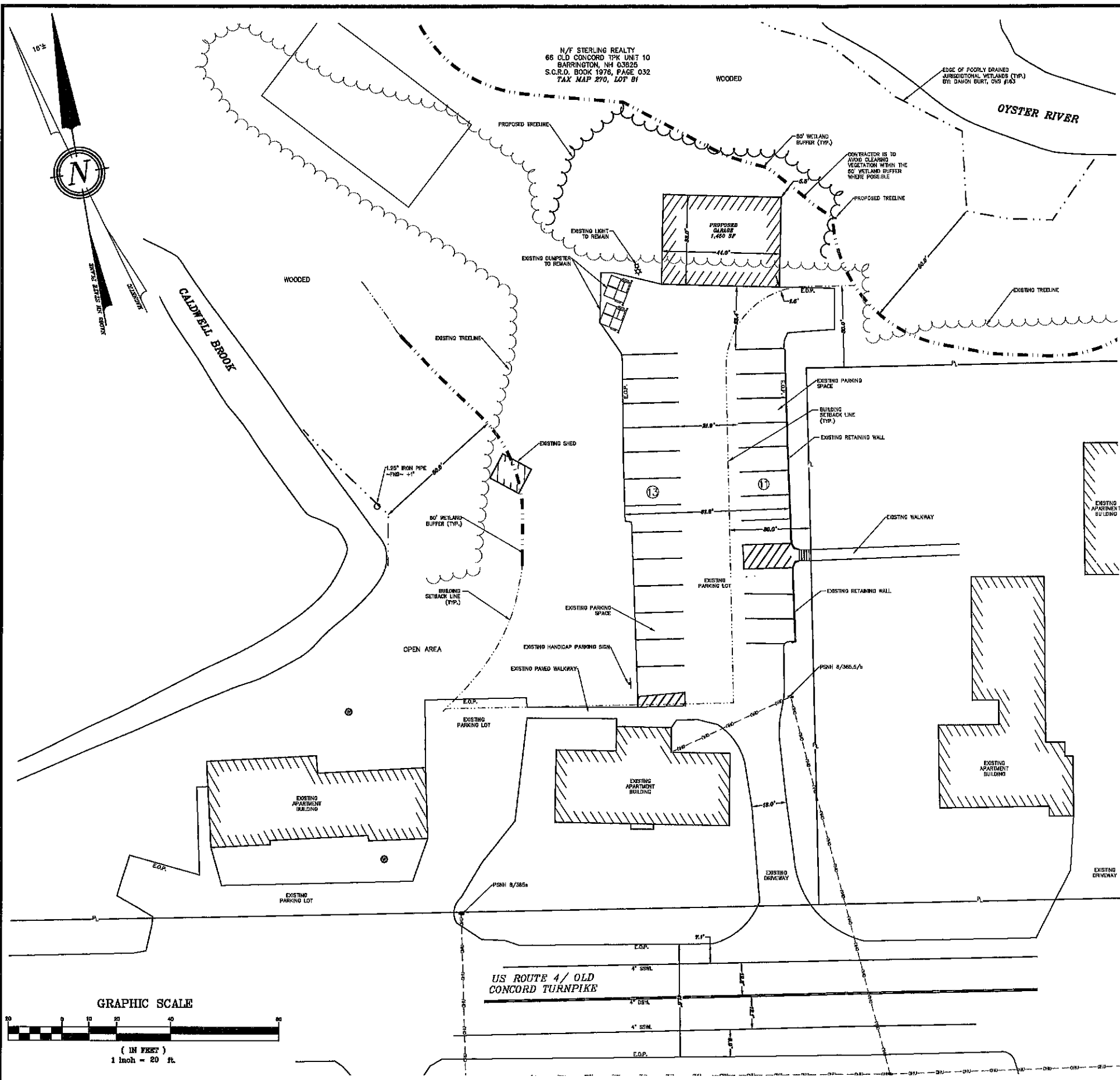
**BERRY SURVEYING & ENGINEERING**  
 335 SECOND CROWN POINT ROAD  
 BARRINGTON, NH 03825 (603)352-2863  
 SCALE: 1 IN. EQUALS 30 FT.  
 DATE: JANUARY 15, 2019  
 FILE NO.: DB 2018 - 110

SHEET 2 OF 7



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N/F STERLING REALTY  
66 OLD CONCORD TPK UNIT 10  
BARRINGTON, NH 03825  
S.C.R.D. BOOK 1978, PAGE 032  
TAX MAP 270, LOT B1

**NOTES:**

- THE INTENT OF THIS PLAN SET IS TO SHOW THE PROPOSED GARAGE AND THE RELATING SITE PLAN ITEMS.
- OWNER: STERLING REALTY  
66 OLD CONCORD TURNPIKE  
BARRINGTON, NH 03825
- TAX MAP 270, LOT B1
- LOT AREA: 121,915 ± Sq. Ft., 2.80 Ac.
- S.C.R.D. BOOK 1978, PAGE 32
- ZONING: REGIONAL COMMERCIAL W/ STRATIFIED DRIFT AQUIFER OVERLAY  
FRONTAGE ~ 200.0'  
MINIMUM LOT SIZE ~ 40,000 SQUARE FEET  
FRONT SETBACK ~ 75.0'  
REAR SETBACK ~ 30.0'  
SIDE SETBACK ~ 30.0'  
WETLANDS/WATERBODY SETBACK ~ 50.0'  
MAX. STRUCTURE HEIGHT: 40.0'  
MAX. LOT COVERAGE FOR IMPERVIOUS SURFACE ~ 50.0%  
GREATER THAN 15% COVERAGE REQUIRES A STORMWATER MANAGEMENT PLAN.
- 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 #330170029D, DATED: MAY 17, 2005.
- AS-BUILT PLANS OF THE SITE SHALL BE SUBMITTED ON A REPRODUCIBLE MYLAR MEDIUM AND IN A DIGITAL DXF FORMAT ON DISK TO THE TOWN OF BARRINGTON PLANNING OFFICE UPON COMPLETION OF PROJECT. AS-BUILT PLANS SHALL BE PREPARED AND CERTIFIED CORRECT BY A L.L.S. OR P.E.
- TOPOGRAPHIC SURVEY PERFORMED BY BERRY SURVEYING & ENGINEERING IN SUMMER OF 2018 UNDER NO SNOW CONDITIONS AND IS SHOWN AT 1 FOOT INTERVALS.
- DATUM: PROJECT DATUM IS BASED ON GPS COORDINATES ESTABLISHED WITH A TOPCON HIPER SR RECEIVER IN JUNE 2017 AND REPRESENTED IN NEW HAMPSHIRE STATE PLANE COORDINATES NAD 1983 AND VERTICALLY BY NAVD 1988.
- UNDERGROUND UTILITY LOCATIONS ARE BASED UPON BEST AVAILABLE EVIDENCE AND ARE NOT FIELD VERIFIED. LOCATING AND PROTECTING ANY ABOVE AND BELOW GROUND UTILITIES IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. ANY UTILITY CONFLICTS SHOULD BE REPORTED IMMEDIATELY TO THE DESIGN ENGINEER.
- THE SUBJECT PARCEL IS SERVICED BY ON SITE WELL AND SEPTIC.
- ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO APPLICABLE TOWN AND STATE CODES.
- ALL EROSION CONTROL NOTES SHALL INCLUDE PROVISIONS FOR CONSTRUCTION SEQUENCING, TEMPORARY EROSION CONTROL MEASURES, AND PERMANENT STANDARDS SUCH AS LOAM SPREAD RATE FOR DISTURBED AREAS, RATES OF LIME, TYPE AND RATES FOR FERTILIZER, AND SEED AND MULCH MIXTURE WITH RATES OF APPLICATION.
- THE LIMITS OF CONSTRUCTION DISTURBANCE SHALL BE STAKED, FLAGGED AND CLEARLY IDENTIFIED PRIOR TO THE COMMENCEMENT OF SITE WORK.
- ALL TREATMENT SHALES TO BE CONSTRUCTED SHALL HAVE SOD BOTTOMS.
- A LETTER OF CREDIT FOR THE COST OF RE-VEGETATING ALL DISTURBED AREAS ON THE SITE SHALL BE SUBMITTED PRIOR TO ANY EARTH DISTURBING ACTIVITY OCCURS. COORDINATE WITH TOWN OF BARRINGTON, PLANNING OFFICE.
- A PRE-CONSTRUCTION CONFERENCE WITH THE DEVELOPER, THE DESIGN ENGINEER, THE EARTHWORK CONTRACTOR, AND THE TOWN ENGINEER SHALL OCCUR PRIOR TO ANY EARTH DISTURBING ACTIVITY.
- THE FOLLOWING FEDERAL AND STATE PERMITS HAVE BEEN ISSUED FOR THE SUBJECT PROPERTY:  
NONE
- CALL DIG SAFE PRIOR TO BEGINNING WORK (1-888-344-7233)
- ALL CONSTRUCTION SHALL CONFORM TO THE STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. CONSTRUCTION SHALL ALSO CONFORM TO THE TOWN OF BARRINGTON POLICIES AND PRACTICES, AND TOWN OF BARRINGTON SITE REGULATIONS.
- WRITTEN DIMENSION ON THIS PLAN TAKE PRECEDENCE OVER SCALED DIMENSIONS. THE CONTRACTOR SHALL USE CAUTION WHEN SCALING REPRODUCED PLANS. IN THE EVENT OF A CONFLICT BETWEEN THIS PLAN SET AND ANY OTHER DRAWINGS AND/OR SPECIFICATIONS, THE ENGINEER SHALL BE NOTIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR IS TO CONFIRM ALL ELEVATIONS. CONFLICTS WILL BE REPORTED TO THE DESIGN ENGINEER PRIOR TO CONSTRUCTION.
- IF THE EARTHWORK IS PERFORMED DURING FREEZING WEATHER, EXPOSED SUBGRADES ARE SUSCEPTIBLE TO FROST. NO FILL OR UTILITIES SHALL BE PLACED ON FROZEN GROUND. THIS WILL LIKELY REQUIRE REMOVAL OF A FROZEN SOIL CRUST AT THE COMMENCEMENT OF EACH DAY'S OPERATION. THE FINAL SUBGRADE ELEVATION WOULD ALSO REQUIRE AN APPROPRIATE DEGREE OF INSULATION AGAINST FREEZING.
- PLACEMENT OF BORROW MATERIALS SHALL BE PERFORMED IN A MANNER THAT PREVENTS LONG TERM DIFFERENTIAL SETTLEMENT. EXCESSIVELY WET MATERIALS SHALL BE STOCKPILED AND ALLOWED TO DRAIN BEFORE PLACEMENT. FROZEN MATERIAL SHALL NOT BE USED FOR CONSTRUCTION. VOIDS BETWEEN STONES AND CLUMPS OF MATERIAL SHALL BE FILLED WITH FINE MATERIALS.
- SEE DETAILS CONCERNING SITE LAYOUT, DRAINAGE, UTILITY AND SEDIMENT AND EROSION CONTROLS.
- 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.
- LIST ANY VARIANCES OR SPECIAL EXCEPTIONS GRANTED BY THE ZONING BOARD OF ADJUSTMENT FOR THE PROPOSED STRUCTURE: NONE
- REQUIRED EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY DISTURBANCE OF THE SITE SURFACE AREA AND SHALL BE MAINTAINED THROUGH THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES. IF DURING CONSTRUCTION IT BECOMES APPARENT THAT ADDITIONAL EROSION CONTROL MEASURES ARE REQUIRED TO STOP ANY EROSION ON THE CONSTRUCTION SITE DUE TO ACTUAL SITE CONDITIONS, THE OWNER SHALL BE REQUIRED TO INSTALL THE NECESSARY EROSION PROTECTION AT NO EXPENSE TO THE TOWN.
- THE CONSTRUCTION HOURS SHALL BE LIMITED TO MONDAY-FRIDAY 7AM-6PM, SATURDAY 9 AM-4PM WITH NO SUNDAY HOURS. HOURS OF CONSTRUCTION SHALL BE DOCUMENTED ON A SITE CONSTRUCTION SIGN ALONG WITH THE CONTACT INFORMATION FOR THE GENERAL CONTRACTOR.
- THE FOLLOWING WAIVERS ARE HEREBY REQUESTED AS PART OF THIS SITE PLAN: NONE
- IF, DURING CONSTRUCTION, IT BECOMES APPARENT THAT DEFICIENCIES EXIST IN THE APPROVED DESIGN DRAWINGS, THE OWNERS SHALL BE REQUIRED TO CORRECT THE DEFICIENCIES TO MEET THE REQUIREMENTS OF THE REGULATIONS AT NO EXPENSE TO THE TOWN.
- IF, DURING CONSTRUCTION, IT BECOMES APPARENT THAT ADDITIONAL EROSION CONTROL MEASURES ARE REQUIRED TO STOP ANY EROSION ON THE CONSTRUCTION SITE DUE TO ACTUAL SITE CONDITIONS, THE OWNER SHALL BE REQUIRED TO INSTALL THE NECESSARY EROSION PROTECTION AT NO EXPENSE TO THE TOWN.
- ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL CONFORM TO TOWN REGULATIONS AND THE LATEST EDITION OF THE NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- NO CHANGES TO PARKING ARE PROPOSED.
- THE PROPOSED STRUCTURE WILL BE USED AS A GARAGE TO STORE EQUIPMENT. NO CONTAINERS CONTAINING FUEL OR OTHER SOLVENTS WILL BE OVER 5 GAL.
- THE PROPOSED LOT COVERAGE IS 21,019 ± Sq. Ft. (0.48 Ac.) (17.2%). THIS REPRESENTS AN INCREASE OF 1,452 Sq. Ft. OR 1.1% A STORMWATER MANAGEMENT PLAN HAS BEEN PREPARED FOR THIS PROJECT AND SUBMITTED TO THE BARRINGTON PLANNING BOARD.

REVISION	DATE	DESCRIPTION

SITE DESIGN PLAN  
LAND OF  
STERLING REALTY  
66 OLD CONCORD TURNPIKE  
BARRINGTON, NH  
TAX MAP 270, LOT B1

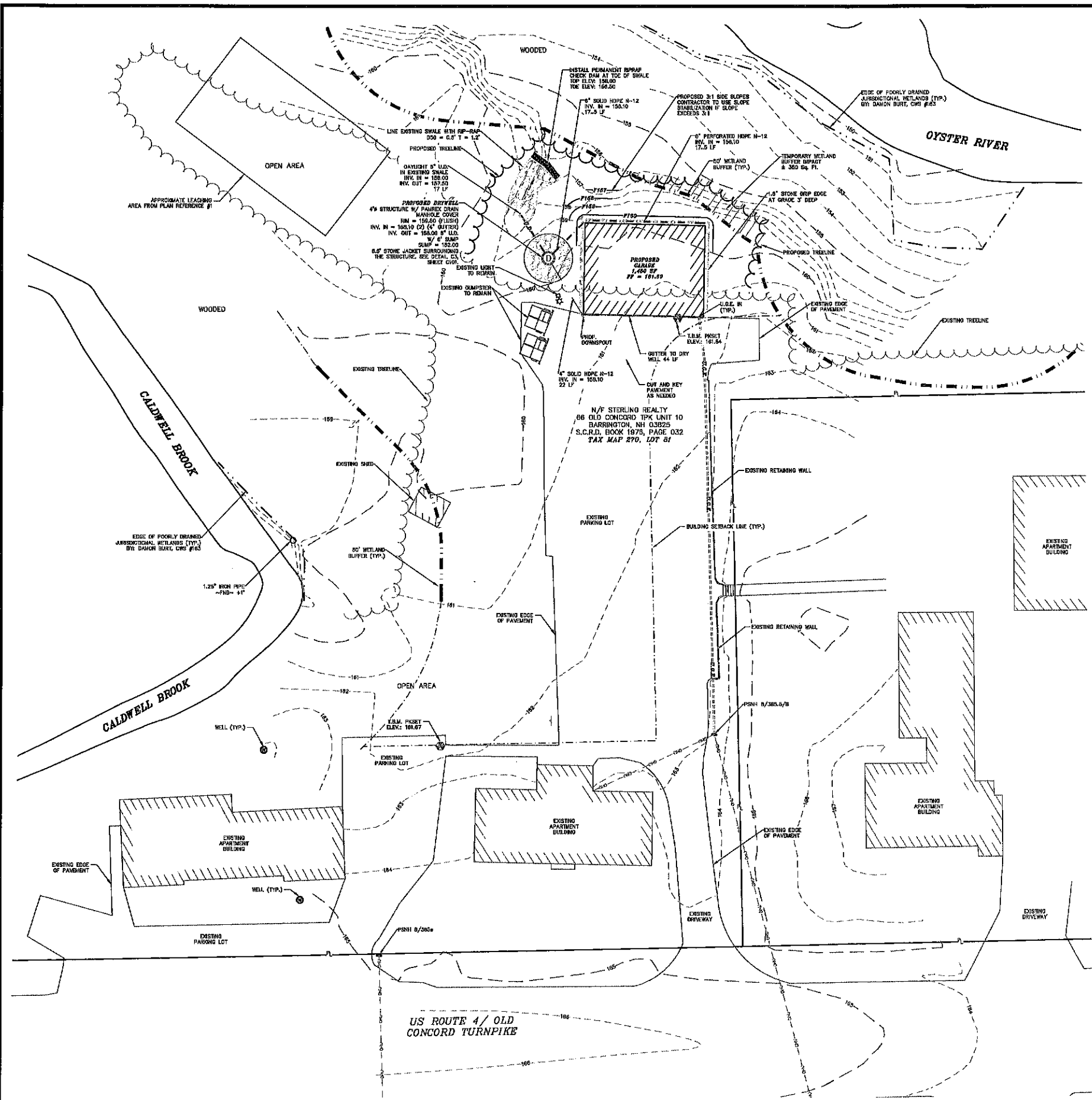
BERRY SURVEYING & ENGINEERING  
335 SECOND CROWN POINT ROAD  
BARRINGTON, NH 03825 (603)352-2863  
SCALE: 1 IN. EQUALS 20 FT.  
DATE: JANUARY 15, 2019  
FILE NO.: DB 2018 - 110



LAND USE OFFICE

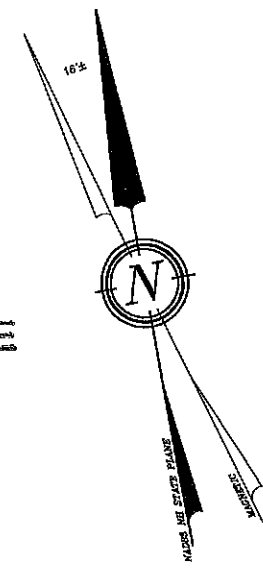
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- NOTES:**
- 1.) THE INTENT OF THIS PLAN IS TO DEMONSTRATE THE GRADING AND DRAINAGE PLAN DESIGN OF THE SITE AT 66 OLD CONCORD TPK.
  - 2.) OWNER: STERLING REALTY  
66 OLD CONCORD TPK UNIT 10  
BARRINGTON, NH 03825
  - 2.) APPLICANT: STERLING REALTY  
66 OLD CONCORD TPK UNIT 10  
BARRINGTON, NH 03825
  - 3.) TOWN OF BARRINGTON: TAX MAP 270, LOT 81
  - 4.) S.C.R.D. BOOK 1978, PAGE 032
  - 5.) UNDERGROUND UTILITY LOCATIONS ARE BASED UPON BEST AVAILABLE EVIDENCE AND ARE NOT FIELD VERIFIED. LOCATING AND PROTECTING ANY ABOVE AND BELOW GROUND UTILITIES IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. ANY UTILITY CONFLICTS SHOULD BE REPORTED IMMEDIATELY TO THE DESIGN ENGINEER.
  - 6.) THE CONTRACTOR SHALL CALL AND COORDINATE WITH DIGSAFE 1-888-344-7233 AT LEAST 72 HOURS PRIOR TO COMMENCING ANY EXCAVATION ON PUBLIC OR PRIVATE PROPERTY.
  - 7.) SEE DETAILS CONCERNING SITE LAYOUT, DRAINAGE, UTILITY AND SEDIMENT AND EROSION CONTROLS.
  - 8.) ALL CATCH BASINS SHALL BE PRE-CAST H-20 LOADING 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 NEXUS STYLE AND SHALL BE SET FLUSH WITH FINISH GRADE, UNLESS OTHERWISE INSTRUCTED DURING CONSTRUCTION BY DESIGN ENGINEER. RIMS ABOVE FINISH GRADE WILL NOT BE ACCEPTED. ALL RIMS, GRATES AND COVERS ARE TO BE U.S.A MADE.
  - 9.) SEE SEDIMENT & EROSION CONTROL PLAN FOR INLET PROTECTION AND CONTROLS FOR THE ENTIRE SITE
  - 10.) ALL DRAINAGE PIPE IS TO BE HOPE N-12 ASTM F2648. (GREEN PIPE) INDIVIDUAL PIPE SIZES ARE SPECIFIED
  - 11.) ALL ELEVATIONS TO BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. THE DESIGN ENGINEER IS TO BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCY. TEMPORARY BENCHMARKS (T.B.M.) ARE TO BE PROVIDED BY THE DESIGN ENGINEER.
  - 12.) NOTE THAT THE PROJECT NOT IS SUBJECT TO THE EPA NPDES PHASE II.
  - 13.) UPON FINAL COMPLETION AND 85% STABILIZATION THE DRAINAGE SYSTEM IS TO BE CLEANED OF ALL DEBRIS TO INCLUDE THE PUMPING OF THE BASIN SUMPS.
  - 14.) ALL UNPAVED AREAS ARE TO RECEIVE 4" QUALITY LOAM AND SEED.
  - 15.) ALL BASINS AND DRAINS ARE TO HAVE BOOTS INSTALLED ON ALL INLETS AND OUTLETS.
  - 16.) ALL NEW ON-SITE UTILITIES SHALL BE INSTALLED UNDERGROUND.
  - 17.) 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.
  - 18.) 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.
  - 19.) FINAL UTILITY LOCATIONS TO BE COORDINATED BETWEEN THE CONTRACTOR, ALL APPROPRIATE UTILITY COMPANIES AND THE TOWN OF BARRINGTON.

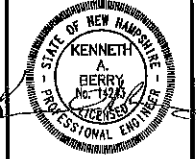
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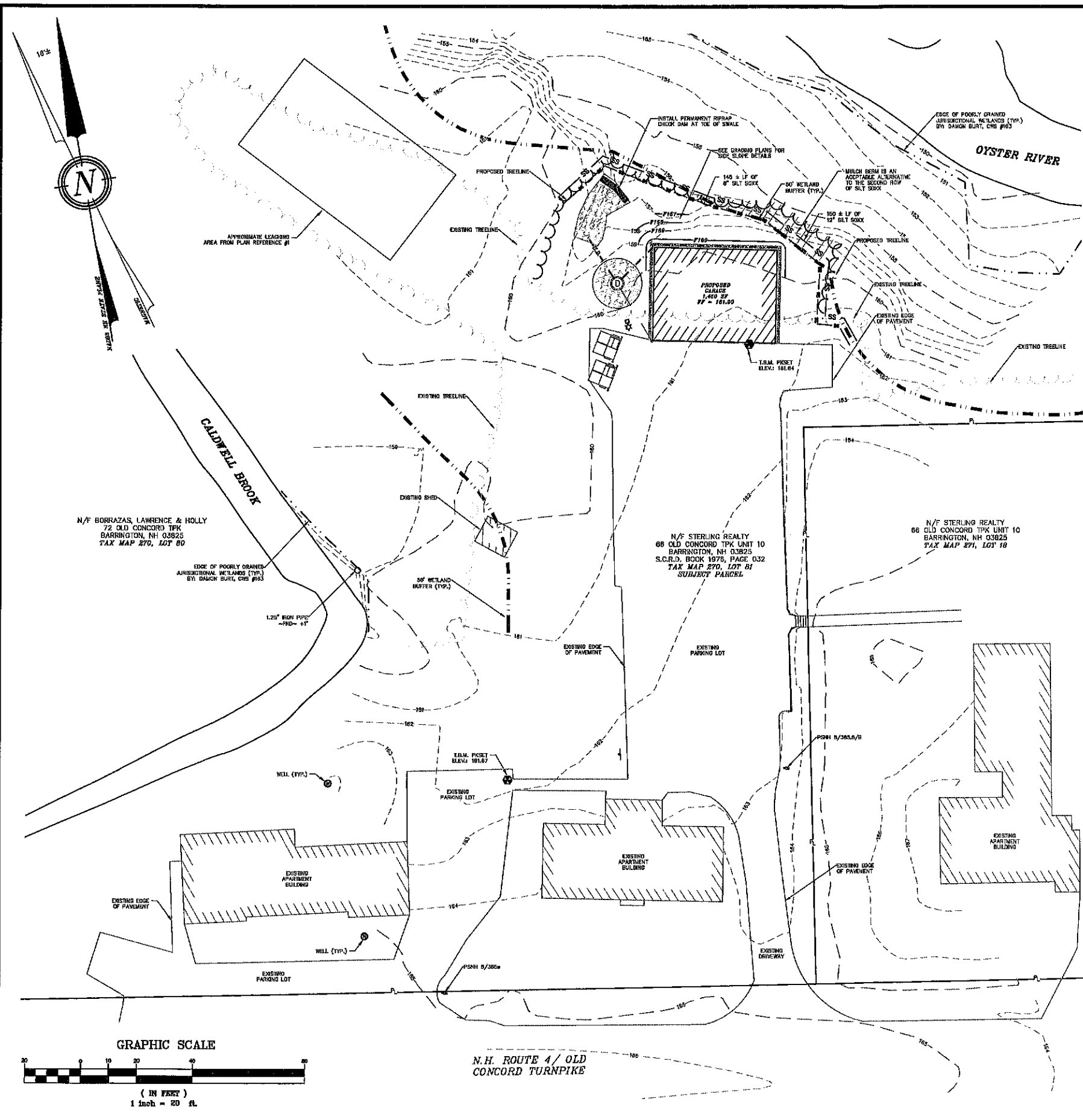


REVISION	DATE	DESCRIPTION
#1	2-11-19	REVISE DRAINAGE SYSTEM TO MEET 50 YEAR EVENT

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.
1. OWNER: STERLING REALTY  
66 OLD CONCORD TPK UNIT 10  
BARRINGTON, NH 03825
  2. APPLICANT: STERLING REALTY  
66 OLD CONCORD TPK UNIT 10  
BARRINGTON, NH 03825
  3. TOWN OF BARRINGTON: TAX MAP 270, LOT 81
  4. LOT AREA: 121,915 ± Sq. Ft., 2.80 ACRES
  5. UNDERGROUND UTILITY LOCATIONS ARE BASED UPON BEST AVAILABLE EVIDENCE AND ARE NOT FIELD VERIFIED. LOCATING AND PROTECTING ANY ABOVE AND BELOW GROUND UTILITIES IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. ANY UTILITY CONFLICTS SHOULD BE REPORTED IMMEDIATELY TO THE DESIGN ENGINEER.
  6. THE CONTRACTOR SHALL CALL AND COORDINATE WITH DIOSAFE 1-888-344-7233 AT LEAST 72 HOURS PRIOR TO COMMENCING ANY EXCAVATION ON PUBLIC OR PRIVATE PROPERTY.
  7. ALL ELEVATIONS TO BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. THE DESIGN ENGINEER IS TO BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCY. TEMPORARY BENCHMARKS (T.B.M.) ARE TO BE PROVIDED BY THE DESIGN ENGINEER.
  8. UPON FINAL COMPLETION AND 86% 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.
  9. SILT FENCE MAY BE SUBSTITUTED WITH FILTREXX SILT SOCK OR EROSION CONTROL MIX BERM. SILT FENCE IS NOT A SUBSTITUTE FOR FILTREXX SILT SOCK OR APPROVED EQUAL. HOWEVER, CONTRACTOR MAY SUBSTITUTE ORANGE SAFETY SILT FENCE FOR THE PERIMETER PROTECTION.
  10. 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.

LAND USE OFFICE  
FEB 13 2019  
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**SOILS & DEWATERING:**

ChB	CHARLTON	FINE SANDY LOAM	K= 0.43
Wg	WHITMAN	VERY STONY TINK SANDY LOAM	K= 0.24
WGB	WINDSOR	LOAMY SAND	K= 0.77

SEE WEBSOIL USDA-NRCS  
ERODIBILITY FACTOR - K, OFSC MANUAL, ENVIROCERT 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 (END)
  - ⊘ UTILITY POLE
  - ⊙ GUY WIRE
  - ⊙ WELL
  - ⊙ BENCHMARK
  - ⊙ CONIFEROUS TREE
  - ⊙ DECIDUOUS TREE
  - SF — SILT FENCE
  - SS — FILTREXX SILT SOCK
  - — TREE LINE

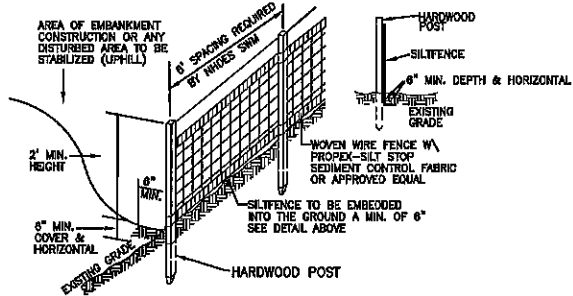
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SHEET 5 OF 7

E1



SILT FENCE CONSTRUCTION SPECIFICATIONS

- 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 6" THE FENCE POSTS SHALL BE A MINIMUM 48" LONG, SPACED A MAXIMUM 10' APART, AND DRIVEN A MINIMUM OF 16" INTO THE GROUND.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THE ENDS OF THE FABRIC SHALL BE OVERLAPPED BY SIX INCHES, FOLDED AND STAPLED TO PREVENT SEDIMENT FROM BY-PASSING.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND SEDIMENT REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE AND PROPERLY DISPOSED OF. SEE MAINTENANCE NOTE BELOW, REMOVAL OF SEDIMENT REQUIRED AT A DEPTH OF 6-INCHES.
- PLACE THE ENDS OF THE SILT FENCE UP CONTOUR TO PROVIDE FOR SEDIMENT STORAGE.
- SILT FENCES SHALL BE REMOVED WHEN NO LONGER NEEDED AND THE SEDIMENT COLLECTED SHALL BE DISPOSED AS DIRECTED BY THE ENGINEER.
- THE AREA DISTURBED BY THE REMOVAL SHALL BE SMOOTHED AND RE-VEGETATED.
- TO BE CONSTRUCTED IAW NH SWM #3 4-2 SEDIMENT CONTROL PRACTICES, SILT FENCE, PAGE 90.

SILT FENCE MAINTENANCE

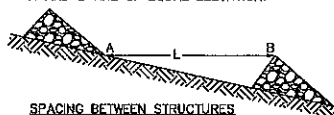
- SILT FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REPAIRS THAT ARE REQUIRED SHALL BE MADE IMMEDIATELY.
- IF THE FABRIC ON A SILT FENCE SHOULD DECOMPOSE OR BECOME INEFFECTIVE DURING THE EXPECTED LIFE OF THE FENCE, THE FABRIC SHALL BE REPLACED PROMPTLY.
- SEDIMENT DEPOSITS SHOULD BE REMOVED WHEN THEY REACH SIX-INCHES IN DEPTH.
- SEDIMENT DEPOSITS THAT ARE REMOVED OR LEFT IN PLACE AFTER THE FABRIC HAS BEEN REMOVED SHALL BE GRADED TO CONFORM WITH THE EXISTING TOPOGRAPHY AND VEGETATED.

SILT FENCE DETAIL NOT TO SCALE

E5

STONE CHECK DAM NOT TO SCALE

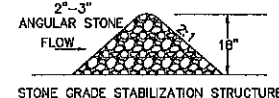
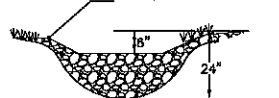
THE DISTANCE SUCH THAT POINTS A AND B ARE OF EQUAL ELEVATION.



SPACING BETWEEN STRUCTURES

- CHECK DAMS SHOULD BE INSTALLED BEFORE RUNOFF IS DIRECTED TO THE SWALE OR DRAINAGE DITCH.
- THE MAXIMUM CONTRIBUTING DRAINAGE AREA TO THE DAM SHOULD BE LESS THAN ONE ACRE.
- THE MAXIMUM HEIGHT OF THE DAM SHOULD BE TWO FEET.
- THE CENTER OF THE DAM SHOULD BE AT LEAST SIX INCHES LOWER THAN THE OUTER EDGES.
- THE MAXIMUM SPACING IS AS SHOWN ON THE PROJECT SITE PLANS.
- CHECK DAMS WILL NOT BE USED IN A FLOWING STREAM.
- TEMPORARY CHECK DAMS WILL BE REMOVED ONCE THE SWALE OR DITCH IS DETERMINED STABLE.
- TO BE CONSTRUCTED IAW NH SWM #3 4-2 SEDIMENT CONTROL PRACTICES, TEMPORARY CHECK DAMS, PAGE 114.

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



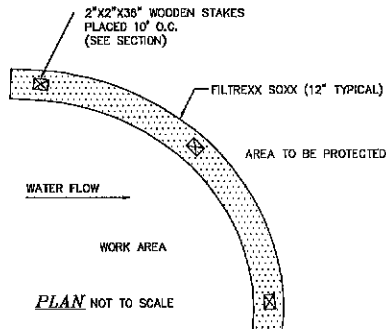
STONE GRADE STABILIZATION STRUCTURE

WINTER STABILIZATION NOTES

- ALL DISTURBED AREAS THAT DO NOT HAVE AT LEAST 85% VEGETATIVE COVERAGE PRIOR TO OCTOBER 15TH SHALL BE STABILIZED BY APPLYING MULCH AT A RATE OF 3-4 TONS PER ACRE. ALL SIDE SLOPES, STEEPER THAN 4:1, THAT ARE NOT DIRECTED TO SWALES OR DETENTION BASINS, SHALL BE LINED WITH BIODEGRADABLE/PHOTODEGRADABLE "JUTE MATTING" (EXCELSIOR'S CURLEX II OR EQUAL). ALL OTHER SLOPES SHALL BE MULCHED AND TACKED AT A RATE OF 3-4 TONS PER ACRE. THE APPLICATION OF MULCH AND/OR JUTE MATTING SHALL NOT OCCUR OVER EXISTING SNOW COVER. IF THE SITE IS ACTIVE AFTER NOVEMBER 15TH, ANY SNOW THAT ACCUMULATES ON DISTURBED AREAS SHALL BE REMOVED. PRIOR TO SPRING THAW ALL AREAS WILL BE STABILIZED, AS DIRECTED ABOVE.
- ALL SWALES THAT DO NOT HAVE FULLY ESTABLISHED VEGETATION SHALL BE EITHER LINED WITH TEMPORARY JUTE MATTING OR TEMPORARY STONE CHECK DAMS (APPROPRIATELY SPACED). STONE CHECK DAMS WILL BE MAINTAINED THROUGHOUT THE WINTER MONTHS. IF THE SWALES ARE TO BE MATTED WITH PERMANENT LINERS OR RIPRAP WITH ENGINEERING FABRIC, THIS SHALL BE COMPLETED PRIOR TO WINTER SHUTDOWN OR AS SOON AS THEY ARE PROPERLY GRADED AND SHAPED.
- PRIOR TO NOV. 15TH ALL ROADWAY AND PARKING AREAS SHALL BE BROUGHT UP TO AND THROUGH THE BANK RUN GRAVEL APPLICATION. IF THESE AREAS' ELEVATIONS ARE PROPOSED TO REMAIN BELOW THE PROPOSED SUBGRADE ELEVATION, THE SUBGRADE MATERIAL SHALL BE ROUGHLY CROWNED AND A 3" LAYER OF CRUSHED GRAVEL SHALL BE PLACED AND COMPACTED. THIS WILL ALLOW THE SUBGRADE TO SHED RUNOFF AND WILL REDUCE ROADWAY EROSION. THIS CRUSHED GRAVEL DOES NOT HAVE TO CONFORM TO NH DOT 504.3, BUT SHALL HAVE BETWEEN 15-25% PASSING THE #200 SIEVE, AND THE LARGEST STONE SIZE SHALL BE 2". IF THE SITE IS ACTIVE AFTER NOVEMBER 15TH, ANY ACCUMULATED SNOW SHALL BE REMOVED FROM ALL ROADWAY AND PARKING AREAS.
- AFTER OCTOBER 15TH, THE END OF NEW HAMPSHIRE'S AVERAGE GROWING SEASON, NO ADDITIONAL LOAM SHALL BE SPREAD ON SIDE SLOPES AND SWALES. THE STOCKPILES THAT WILL BE LEFT UNDISTURBED UNTIL SPRING SHALL BE SEDED BY THIS DATE. AFTER OCTOBER 15TH, ANY NEW OR DISTURBED PILES SHALL BE MULCHED AT A RATE OF 3-4 TONS PER ACRE. ALL STOCKPILES THAT WILL REMAIN THROUGHOUT THE WINTER SHALL BE SURROUNDED WITH SILT FENCING.

E9

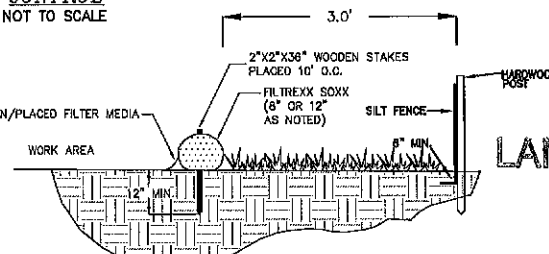
E10



PLAN NOT TO SCALE

- NOTES:
- ALL MATERIAL TO MEET FILTREXX SPECIFICATIONS.
  - FILTER MEDIA FILL TO MEET APPLICATION REQUIREMENTS.
  - COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER.
  - SILT/SOXX MAY BE USED IN PLACE OF SILT FENCE OR OTHER SEDIMENT BARRIERS.
  - SILT/SOXX COMPOST/SOIL/ROCK/SEED FILL MATERIAL SHALL BE ADJUSTED AS NECESSARY TO MEET THE REQUIREMENTS OF THE SPECIFIC APPLICATION.
  - FILTREXX SOXX IS A REGISTERED TRADEMARK OF FILTREXX INTERNATIONAL, LLC.
  - SILT FENCE IS NOT A SUBSTITUTION FOR SILT/SOXX AND ANY EQUAL SUBSTITUTION TO BE APPROVED.
  - TO BE CONSTRUCTED IAW FILTREXX, SECTION 1: EROSION & SEDIMENT CONTROL (PAGE 323) - CONSTRUCTION ACTIVITIES, SWPPP CUT SHEET: FILTREXX SEDIMENT CONTROL.

FILTREXX SEDIMENT CONTROL NOT TO SCALE

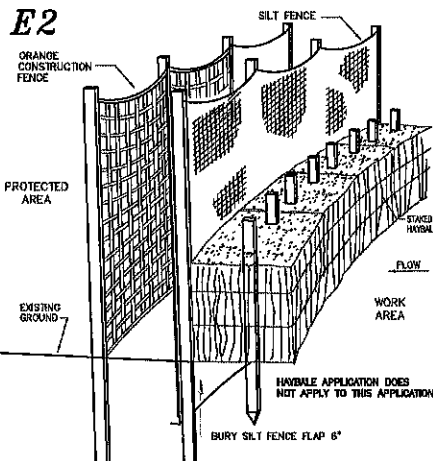


SECTION NOT TO SCALE

Filtrexx International, LLC  
35481 Grafton Eastern Rd | Grafton, NH 03404  
440-926-2807 | 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.

E2



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

E3

CONSTRUCTION SEQUENCE:

- CUT AND REMOVE TREES IN CONSTRUCTION AREA ONLY AS REQUIRED, RELOCATE ANY PROJECT TREE.
- CONSTRUCT AND/OR INSTALL TEMPORARY AND PERMANENT SEDIMENT 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.
- EROSION, SEDIMENT AND DETENTION CONTROL FACILITY SHALL BE INSTALLED & STABILIZED PRIOR TO DIRECTING RUNOFF TO THEM. TEMPORARY DIVERSIONS MAY BE REQUIRED. POST CONSTRUCTION STORM WATER MANAGEMENT PRACTICES MUST BE INITIATED AND STABILIZED EARLY IN THE PROCESS.
- CLEAR, CUT AND DISPOSE OF DEBRIS IN APPROVED FACILITY
- CONSTRUCT TEMPORARY CULVERTS AS REQUIRED, OR DIRECTED
- CONSTRUCT ROADWAYS FOR ACCESS TO DESIRED CONSTRUCTION AREAS. ALL ROADS SHALL BE STABILIZED IMMEDIATELY.
- START BUILDING CONSTRUCTION
- INSTALL PIPE AND CONSTRUCTION ASSOCIATED APPURTENANCES AS REQUIRED OR DIRECTED, INSTALL RAIN GARDENS. ALL DISTURBED AREAS SHALL STABILIZED IMMEDIATELY AFTER GRADING.
- BEGIN PERMANENT AND TEMPORARY SEEDING AND MULCHING. ALL CUT AND FILL SLOPES AND DISTURBED AREAS SHALL BE SEED OR MULCHED AS REQUIRED, OR DIRECTED. NO AREA IS ALLOWED TO BE DISTURBED FOR A LENGTH OF TIME THAT EXCEEDS 90 DAYS BEFORE BEING STABILIZED DAILY OR AS REQUIRED. ALL ROADWAYS AND PARKING AREAS SHALL BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADES. ALL CUT AND FILL SLOPES SHALL BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADES.
- CONSTRUCT TEMPORARY BERMS, GRASS DITCHES, SILT FENCES, SEDIMENT TRAPS, ETC. MULCH AND SEED AS REQUIRED.
- INSPECT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES DURING CONSTRUCTION. ALL SWPPP INSPECTIONS MUST BE CONDUCTED BY A QUALIFIED PROFESSIONAL SUCH AS A PROFESSIONAL ENGINEER (PE), A CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (CPESC), A CERTIFIED EROSION SEDIMENT AND STORM WATER INSPECTOR (CESSM), OR A CERTIFIED PROFESSIONAL IN STORM WATER QUALITY (CPSWQ). INSPECTION REPORTS SHALL BE SUBMITTED TO THE COMMUNITY SERVICES DEPARTMENT.
- COMPLETE PERMANENT SEEDING AND LANDSCAPING.
- REMOVE TEMPORARY EROSION CONTROL MEASURES AFTER SEEDING AREAS HAVE ESTABLISHED THEMSELVES AND SITE IMPROVEMENTS ARE COMPLETE.
- SMOOTH AND REVEGETATE ALL DISTURBED AREAS.
- FINISH PAVING ALL ROADWAYS.

NOTE: CITY OF DOVER'S "CONSTRUCTION GUIDELINES, PERMITS, RULES AND REGULATIONS" ARE A PART OF THIS PLAN SET AND THE MORE RESTRICTIVE WILL GOVERN. (D-COPRR)

E4

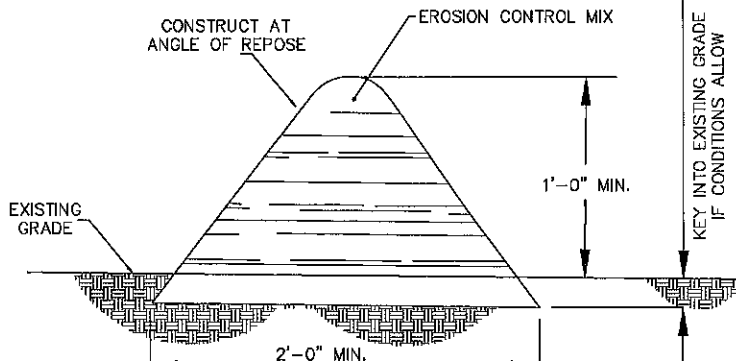
DEFINITION OF STABLE:

PER ENV-WQ 1500 ALTERATION OF TERRAIN

- BASE COURSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED.
  - A MINIMUM OF 85 PERCENT VEGETATED GROWTH HAS BEEN ESTABLISHED.
  - A MINIMUM OF 3 INCHES OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIP-RAP HAS BEEN INSTALLED.
  - OR, EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.
- ADDITION STABILIZATION NOTES:
- 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.
  - DISTURBED SOIL AREAS SHALL BE EITHER TEMPORARILY OR PERMANENTLY STABILIZED. IN AREAS WHERE FINAL GRADING HAS NOT OCCURRED, TEMPORARY STABILIZATION MEASURES SHOULD BE IN PLACE WITHIN SEVEN (7) CALENDAR DAYS FOR EXPOSED SOIL AREAS THAT ARE WITHIN ONE HUNDRED (100) FEET OF A SURFACE WATER BODY OR A WETLAND AND NO MORE THAN 14 CALENDAR DAYS FOR ALL OTHER AREAS. PERMANENT STABILIZATION SHOULD BE IN PLACE WITHIN THREE (3) CALENDAR DAYS FOLLOWING COMPLETION OF FINAL GRADING OF EXPOSED SOIL AREAS.

E6

EROSION CONTROL MIX BERM NOT TO SCALE



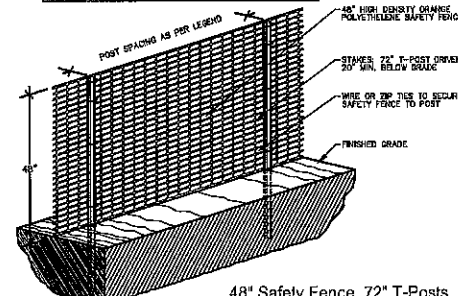
- EROSION CONTROL MIX BERMS SHALL BE USED ONLY AS FOLLOWS:
- BERMS SHALL BE USED IN AREAS WHERE EROSION WILL OCCUR ONLY IN THE FORM OF SHEET EROSION AND THERE IS NO CONCENTRATION OF WATER IN A CHANNEL OR DRAINAGE WAY ABOVE THE BERM.
  - THE BERMS SHALL BE INSTALLED FOLLOWING THE CONTOUR OF THE LAND AS CLOSELY AS POSSIBLE.
  - THE BERMS SHALL BE INSTALLED ON SLOPES LESS THAN 5%.
  - SUBJECT TO (C), BELOW, THE MIX SHALL HAVE AN ORGANIC PORTION BETWEEN 80 AND 100% DRY WEIGHT BASIS, AND BE FIBROUS AND ELONGATED SUCH AS FROM SHREDED BARK, STUMP GRINDINGS, COMPOSTED BARK, OR EQUIVALENT MANUFACTURED PRODUCTS. WOOD AND BARK CHIPS, GROUND CONSTRUCTION DEBRIS, OR REPROCESSED WOOD PRODUCTS SHALL NOT BE USED AS ORGANIC MATERIAL.
  - THE MIX SHALL NOT CONTAIN SILTS, CLAY, OR FINE SANDS.
  - THE MIX SHALL HAVE A PARTICLE SIZE BY WEIGHT OF 70 TO 85% PASSING A 6-INCH SCREEN AND A MAXIMUM OF 85% PASSING THE 0.75-INCH SCREEN.
  - THE MIX PH SHALL BE BETWEEN 5.0 AND 8.0.
  - THE BERM SHALL BE AT LEAST 12 INCHES HIGH AND AT LEAST 2 FEET WIDE.
  - TO BE CONSTRUCTED IAW NH SWM #3 4-2 SEDIMENT CONTROL PRACTICES, EROSION CONTROL MIX BERMS, PAGE 106.

E7

CONSTRUCTION SAFETY FENCE NOT TO SCALE

LEGEND

SAF12	48" ORANGE FENCE, 12 FEET O.C.
SAF11	48" ORANGE FENCE, 11 FEET O.C.
SAF10	48" ORANGE FENCE, 10 FEET O.C.
SAF9	48" ORANGE FENCE, 9 FEET O.C.
SAF8	48" ORANGE FENCE, 8 FEET O.C.
SAF7	48" ORANGE FENCE, 7 FEET O.C.
SAF6	48" ORANGE FENCE, 6 FEET O.C.



48" Safety Fence, 72" T-Posts

- ALL SENSITIVE AREAS SHALL BE PROTECTED AS PER PLAN.
- ALL TREES IN THE CONSTRUCTION AREA NOT SPECIFICALLY DESIGNATED FOR REMOVAL SHALL BE PRESERVED AND PROTECTED WITH HIGH VISIBILITY FENCE AS PER PLAN.
- WHEN PRACTICABLE, INSTALL HIGH VISIBILITY 3 FEET OUTSIDE OF THE TOP LINE OF THE FENCE.
- SAFETY FENCE SHOULD BE FASTENED SECURELY TO THE T-POSTS.
- BE FENCED MUST REMAIN IN PLACE DURING ALL PHASES OF CONSTRUCTION; ANY CHANGE OF THE PROTECTIVE FENCING MUST BE APPROVED.

E8

TEMPORARY EROSION CONTROL MEASURES

- THE SMALLEST PRACTICAL AREA OF LAND SHALL BE EXPOSED AT ANY ONE TIME.
- EROSION, SEDIMENT AND DETENTION MEASURES SHALL BE INSTALLED AS SHOWN ON THE PLANS AND AT LOCATIONS AS REQUIRED, DIRECTED BY THE ENGINEER.
- 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 THIS SHEET)
- ALL DISTURBED AREAS WILL BE RESTABILIZED WITHIN 45 DAYS. AT ANY ONE TIME, NO MORE THAN 5 ACRES, (217,900 Sq. Ft.) WILL BE DISTURBED.
- SILT FENCES AND PERIMETER 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.
- AFTER ALL DISTURBED AREAS HAVE BEEN STABILIZED, THE TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE REMOVED AND THE AREA DISTURBED BY THE REMOVAL SMOOTHED AND RE-VEGETATED.
- DITCHES, SWALES, AND BASINS SHALL BE STABILIZED PRIOR TO DIRECTING RUNOFF TO THEM.
- DO NOT TRAFFIC EXPOSED SOIL SURFACES WITH CONSTRUCTION EQUIPMENT. IF FEASIBLE, PERFORM EXCAVATIONS WITH EQUIPMENT POSITIONED OUTSIDE THE LIMITS OF THE INFILTRATION SYSTEM.
- DRIVENWAYS AND CUT AND FILL SLOPES MUST BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINAL GRADE.
- STABILIZATION MEANS:
  - A MINIMUM OF 85% OF VEGETATIVE COVER HAS BEEN ESTABLISHED.
  - A MINIMUM OF 3 INCHES OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIP RAP HAS BEEN INSTALLED, OR
  - EROSION CONTROL BLANKETS HAVE BEEN INSTALLED.
- 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.
- THE NHDES STORMWATER MANUAL, IN THREE VOLUMES, DATED DECEMBER 2008, IS A PART OF THIS PLAN SET AND THE MORE RESTRICTIVE WILL GOVERN. (NH SWM)

REVISION	DATE	DESCRIPTION
#1	2-11-19	REVISE DRAINAGE SYSTEM TO MEET 50 YEAR EVENT

EROSION & SEDIMENT CONTROL 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)532-2863  
SCALE: AS NOTED  
DATE: JANUARY 15, 2019  
FILE NO.: DB 2018 - 110



E-101

SHEET 6 OF 7

LAND USE OFFICE

RECEIVED

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

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

**SEEDING GUIDE**

USE	SEEDING MIXTURE 1/2	DRYNESS	WELL DRAINAGE	MODERATELY WELL DRAINAGE	POORLY DRAINAGE
UTILITY SITES AND FILL, SLOPE AND DISPOSAL AREAS	A	FAIR	GOOD	POOR	FAIR
WATERWAYS, EMPLOYMENT PLACES, AND OTHER PLACING WATER	B	GOOD	EXCELLENT	EXCELLENT	POOR
LIGHTLY USED PARKING AREAS, DRIVEWAYS, UNPAVED DRIVEWAYS, AND RECREATIONAL SITES	C	GOOD	GOOD	GOOD	FAIR
PLAY AREAS AND ATHLETIC FIELDS	D	FAIR	EXCELLENT	EXCELLENT	EXCELLENT

**SEEDING RATES**

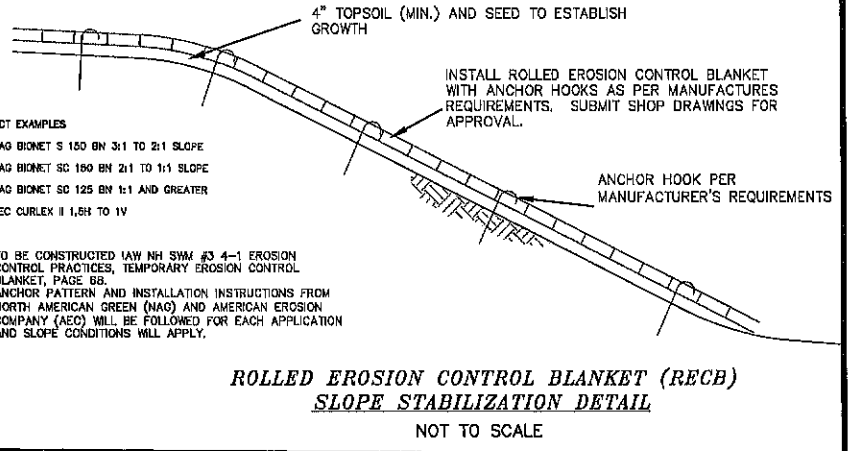
MIXTURE	POUNDS PER ACRE	POUNDS PER 1,000 S.F.
A. TALL FESCUE	30	0.45
B. TALL FESCUE	10	0.30
C. TALL FESCUE	30	0.45
D. TALL FESCUE	30	0.45
E. CRABGRASS AND FESCUE	80	1.15
F. TALL FESCUE	100	1.50

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 MOULDING 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(E-E1 THIS SHEET) FOR APPROPRIATE SEED MIXTURES AND TABLE(H-E1 THIS SHEET) FOR RATES OF SEEDING. ALL LEGUMES (CROWWIVETCH, BIRDSFOOT TREFOL, 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 SOLDS 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 STAKE 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 80.

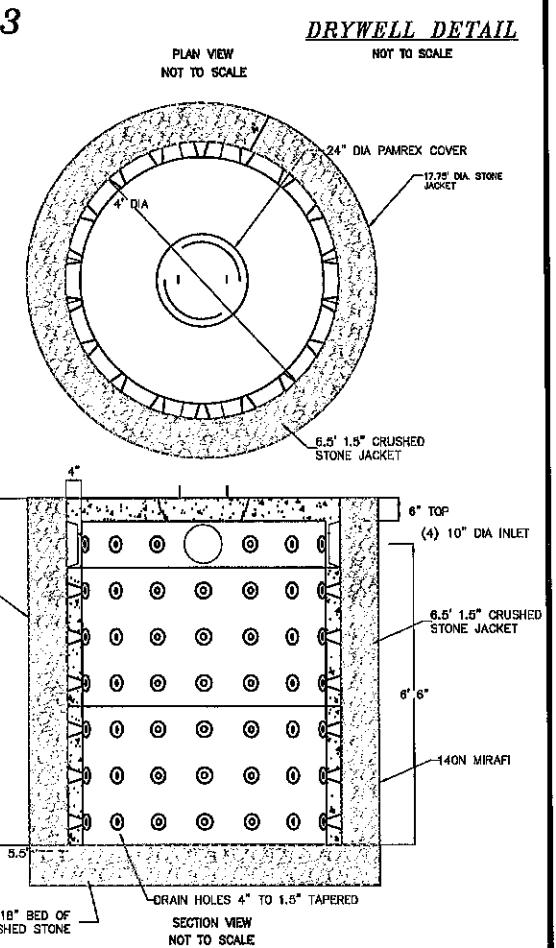
**C2**



ITEM NO.	ITEM NO.	WEIGHT
1200 GALLON	1200SDW STANDARD	7,400#
3\"/>		

- 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\"/>

**C3**



#1	REVISION	DATE	DESCRIPTION
		2-11-19	REVERSE DRAINAGE SYSTEM TO MEET 50 YEAR EVENT

CONSTRUCTION DETAILS  
LAND OF  
STERLING REALTY  
66 OLD CONCORD TURNPIKE  
BARRINGTON, NH  
TAX MAP #70, LOT #1

**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://DES.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 BASIN 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-DROPP. DAMAGED OUTLET HOODS MUST BE REPLACED. IT IS RECOMMENDED THAT A VACUUM TRUCK BE UTILIZED AS CONTRASTED TO A CLAW-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.

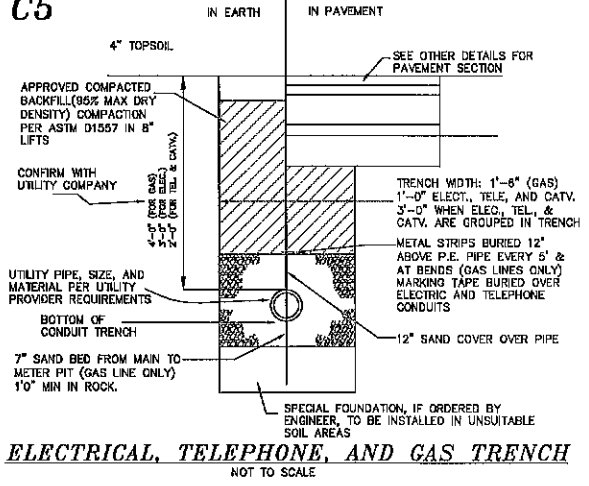
**CONTROL OF INVASIVE PLANTS**

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.

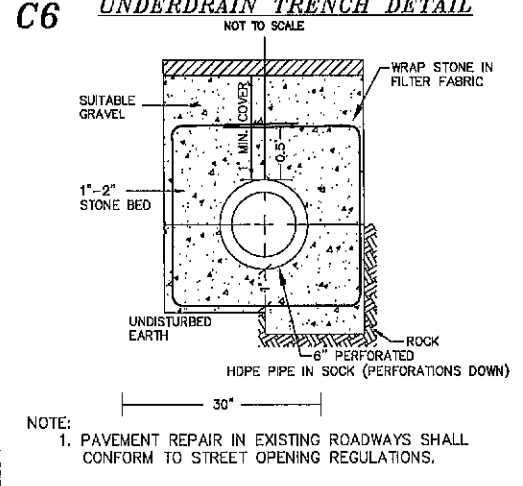
INVASIVE PLANTS ARE INTRODUCED, ALIEN, OR NON-NATIVE PLANTS, WHICH HAVE BEEN MOVED BY PEOPLE FROM THEIR NATIVE HABITAT TO A NEW AREA. SOME EXOTIC PLANTS ARE IMPORTED FOR HUMAN USE SUCH AS LANDSCAPING, EROSION CONTROL, OR FOOD CROPS. THEY ALSO CAN ARRIVE AS "HITCHHIKERS" AMONG SHIPMENTS OF OTHER PLANTS, SEEDS, PACKING MATERIALS, OR FRESH PRODUCE. SOME EXOTIC PLANTS BECOME INVASIVE AND CAUSE HARM BY:

- 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**



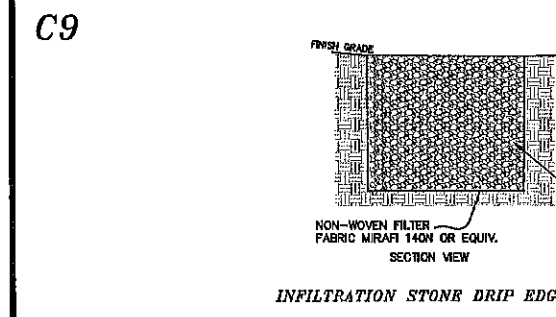
**C7**

**Manhole Castings L2**

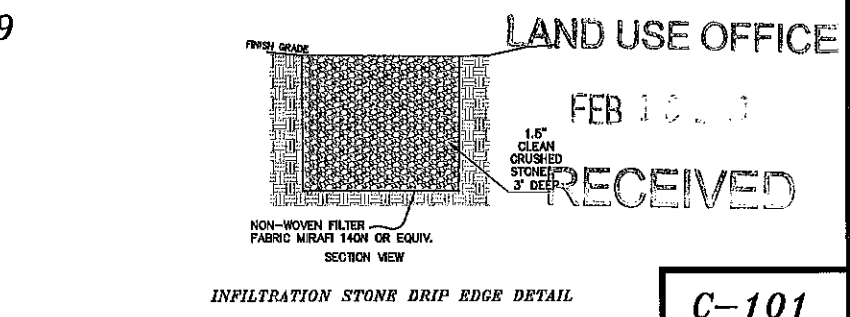
**Pamrex Ductile Iron Frame & Cover**

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

**C8**



**C9**



**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 A. BERRY  
LICENSED PROFESSIONAL ENGINEER