



EXCAVATION APPLICATIONCity of Rochester, New Hampshire

that a special exception must be obtained prior to the Planning Board's consideration of this application. Date:8/10/18 [office use only. Check # Amount \$ Date paid]
Property information
Tax map #: _216; Lot #('s): _12, Zoning district:GRD
Property address/location: 4 Little Falls Bridge Road
Size of site:1.91 acres; overlay zoning district(s)?N/A
Property owner
Name (include name of individual): Ralph Torr/Pauline Torr Rev. Trust of 2000
Mailing address: 283 Chestnut Hill Road Rochester, NH 03867
Telephone #: email:
Applicant (if different from property owner)
Name (include name of individual): <u>Waterstone Rochester Ground Tenant, LLC (Doug Richardson)</u>
Mailing address: _ 322 Reservoir Street Needham, MA 02494
Telephone #:(781) 559-3301 email:drichardson@waterstonepg.com
Contractor
Name (include name of individual): TBD
Mailing address:
Telephone #: email:
Engineer/designer
Name (include name of individual): Bond, Inc. (Kenneth A. Mavrogeorge)
Mailing address: 177 Corporate Drive Portsmouth, NH 03801
Telephone #: _ 603-433-8818 Fax #: 603-433-8898
Email: <u>kamavrogeorge@tighebond.com</u> Professional license #: <u>13326</u>

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Description of activity
Has the site been excavated before?No
acres/square feet to be disturbed?
What type of material is being taken? Loam and processed stone generated from bedrock
that is encountered. What volume/weight of material is being taken? All material is anticipated to remain on site and used to provide a level pad for a potential future development that would be submitted under a different application.
Is any blasting, crushing, processing, or other activity planned on site? <u>Blasting, crushing</u> and processing is anticipated.
Provide any other pertinent information about the proposed excavation: <u>Material that is</u>
excavated is anticipated to stay on site.
Describe existing conditions/use (vacant land?): The lot currently has a single building and a
gravel driveway both of which will be removed prior to the excavation.
Proposed dates for excavation. From: <u>September 2018</u> To: <u>December 2018</u>
Submission of application This application must be signed by the property owner, applicant (if different from property owner), and/or the agent.
I(we) hereby submit this Excavation application to the City of Rochester Planning Board pursuant to the <u>City of Rochester Excavation Regulations</u> and attest that to the best of my knowledge all of the information on this application form and in the accompanying application materials and documentation is true and accurate. As applicant/developer (if different from property owner)/as agent, I attest that I am duly authorized to act in this capacity.
Signature of property owner:
Signature of applicant: Dawley, Jr. Coo Date:
Signature of agent: Kanthallan (Tighe & Bond, Inc.)
Date:

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Authorization to enter subject property

I hereby authorize members of the Rochester Planning Board, Zoning Board of Adjustment, Conservation Commission, Planning Department, and other pertinent City departments, boards and agencies to enter my property for the purpose of evaluating this application including performing any appropriate inspections during the application phase, review phase, post-approval phase, excavation phase, and reclamation phase. This authorization applies specifically to those particular individuals legitimately involved in evaluating, reviewing, or inspecting this specific application/project. It is understood that these individuals must use all reasonable care, courtesy, and diligence when entering the property.

Signature of property owner:		
	Date:	

<u>Note</u>. It is recommended that the applicant review the <u>City of Rochester Zoning Ordinance</u> and <u>Site Plan Regulations</u> and NH RSA 155-E <u>Local Regulation Excavations</u> for pertinent standards and procedures regarding excavations.

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N:\PLAN\Forms\Applications\Excavation Application.doc Revised: 4/02/2015



Proposed Excavation Area 4 Little Falls Bridge Road - Rochester, NH

August 10, 2018

Narrative:

The proposed project at 4 Little Falls Bridge Road (Tax Map 216 Lot 12) is located at the intersection of Little Falls Bridge Road and Route 11 (Farmington Road) in Rochester, NH and consists of the demolition of an existing residential building and garage on a plot of land approximately 1.9 acres in size. A portion of the lot was cleared of trees in July of 2017.

This project proposed to clear the remaining trees on the lot for a total of approximately 80,150 square feet of cleared area. The clearing of the trees will be required prior to the excavation of the lot as shown on the plans provided with this application. While the property is located just south of the property at 105 Farmington Road, which the Applicant currently owns, the two properties will not be connected by the work proposed in this application.

Once erosion control measures have been installed, tree clearing and grubbing of stumps would occur prior to the commencing of the proposed excavation. Truck traffic is anticipated to enter and exit the site at the eastern corner of the property along Little Falls Bridge Road via a gravel driveway that will be constructed. The driveway will be located directly across from the neighboring gas station's exit and extend from Little Falls Bridge Road towards the middle of the property.

The Applicant is not proposing to construct any utilities with this work but is proposing to manage stormwater runoff by constructing three sedimentation basins with drainage structures, piping and rip rap aprons. The guidelines for the sizing of these sedimentation basins is based on NHDES recommendations for temporary sediment traps which is referenced in the enclosed plan set.

It is expected that the material that is excavated and processed will remain on site for future use.

The work is proposed to take place in the last quarter of 2018.

List of Submitted Plans

- "4 Little Falls Bridge Road Proposed Excavation Area Plans", last revised July 9, 2018;

Waiver Request

Site Plan Review Regulation Article II Section 5.7.a: This requirement requires a sketch of existing natural features including trees/vegetation. The Applicant respectfully requests a waiver from this regulation as the survey provided in the submitted plan set was completed in July 2017 just prior to tree clearing activities occurring onsite. Since the prior clearing was approved by the City, and the proposed project would clear the remaining trees to the extents shown, the applicant requests the an update survey not be required by the Board.

Proposed Excavation Area – 4 Little Falls Bridge Road Rochester, NH

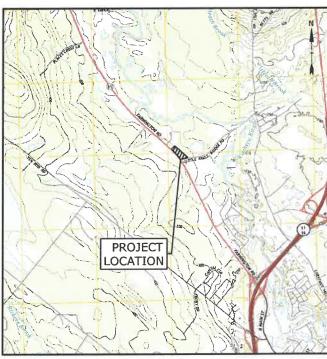
1 of 1

4 LITTLE FALLS BRIDGE ROAD ROCHESTER, NEW HAMPSHIRE PROPOSED EXCAVATION AREA SITE PLANS

JULY 9, 2018



LIST OF DRAWINGS				
SHEET NO.	. SHEET TITLE	LAST REVISED		
	COVER SHEET	07/09/2018		
1 OF 1	EXISTING CONDITIONS	07/21/2017		
C-101	EXISTING CONDITIONS AND DEMOLITION PLAN	07/09/2018		
C-102	EXCAVATION, GRADING, DRAINAGE AND EROSION CONTROL PLAN	07/09/2018		
C-501	EROSION CONTROL NOTES AND DETAILS SHEET	07/09/2018		



PREPARED BY:







OWNERS/APPLICANT:

Waterstone Retail Development, Inc. 322 Reservoir Street Needham, MA 02494

PERMIT	STATUS	PERMIT NO.	<u>DATE</u>
ROCHESTER SITE PLAN REVIEW	PENDING	-	-

FINAL APPROVAL BY ROCHESTER PLANNING BOARD

FOR MORE INFORMATION ABOUT THESE SITE PLANS CONTACT THE CITY OF ROCHESTER PLANNING DEPARTMENT (603) 335-1338.

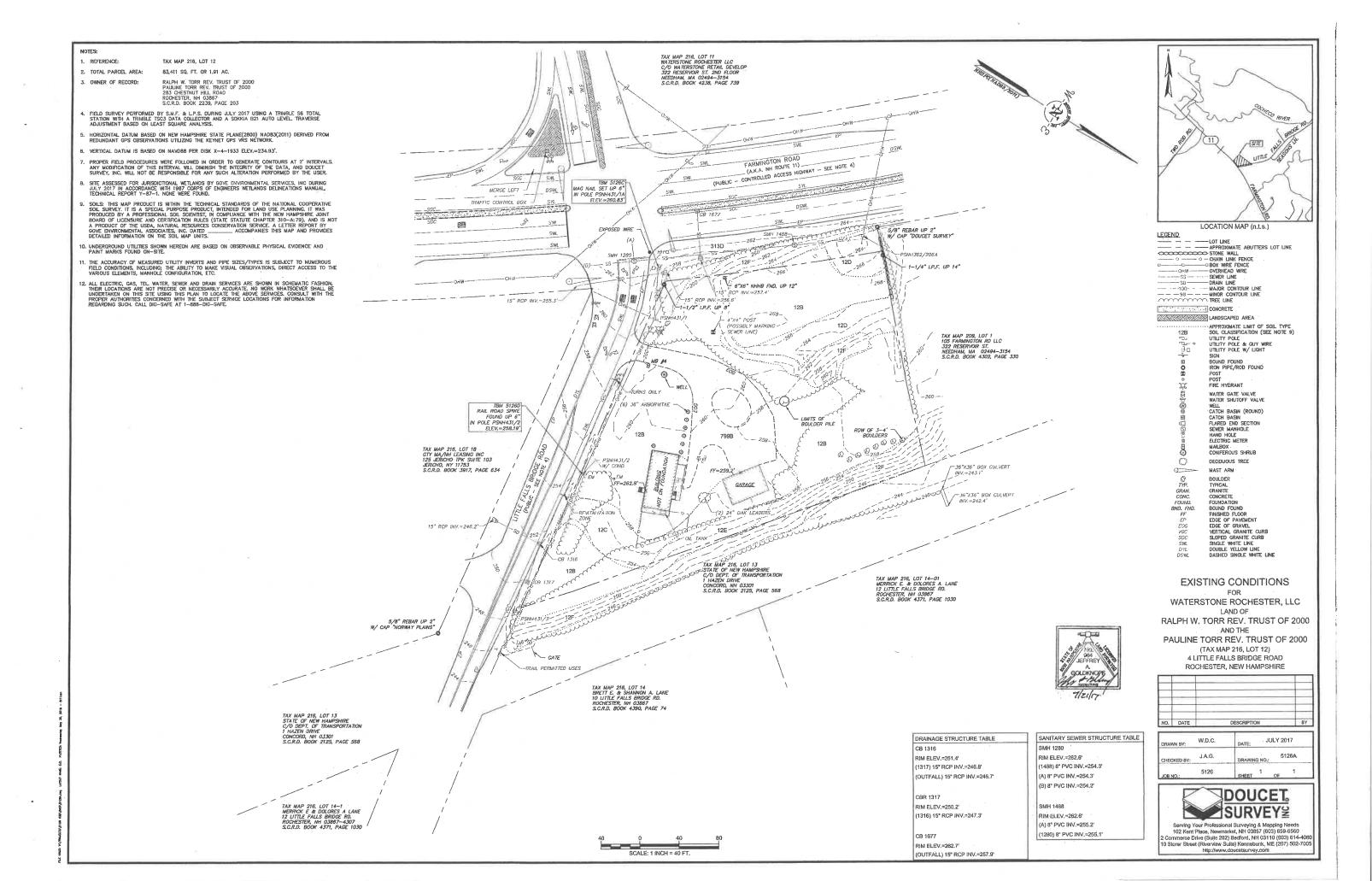
CONSTRUCTI**ON NOTES:** L. THE CONTRACTOR SHALL NOT RELY ON SCALED DIMENSIONS AND SHALL CONTACT THE ENGINEER FOR CLARIFICATION IF A

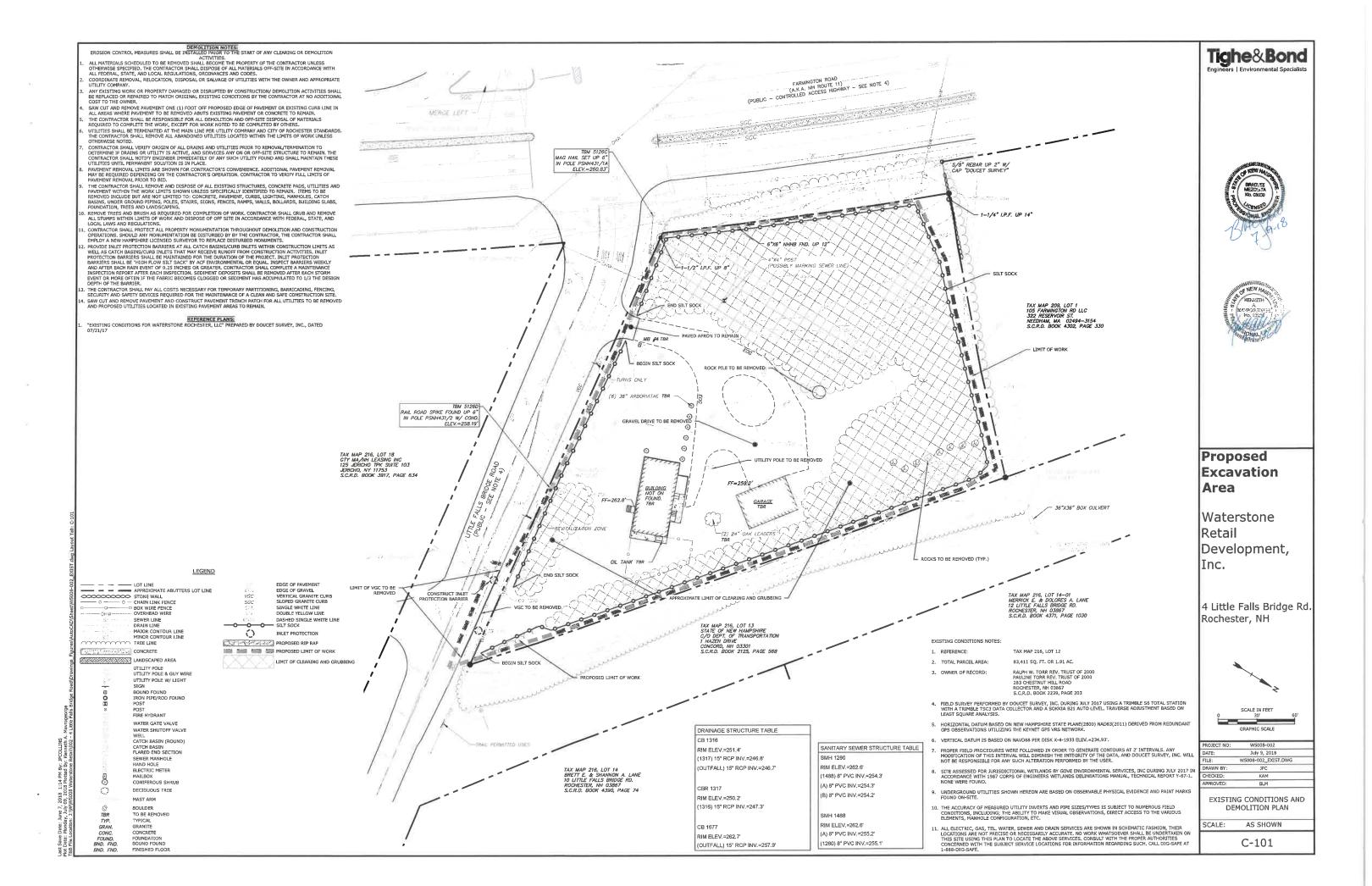
THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION MEANS AND METHODS, AND FOR SITE CONDITIONS THROUGHOU CONSTRUCTION. NEITHER THE PLANS NOR THE SEAL OF THE ENGINEER AFFIXED HEREON EXTEND TO OR INCLUDE SYSTEMS REQUIRED FOR THE SAFETY OF THE CONTRACTOR, THEIR EMPLOYEES, AGENTS OR REPRESENTATIVES IN THE PERFORMANCE OF

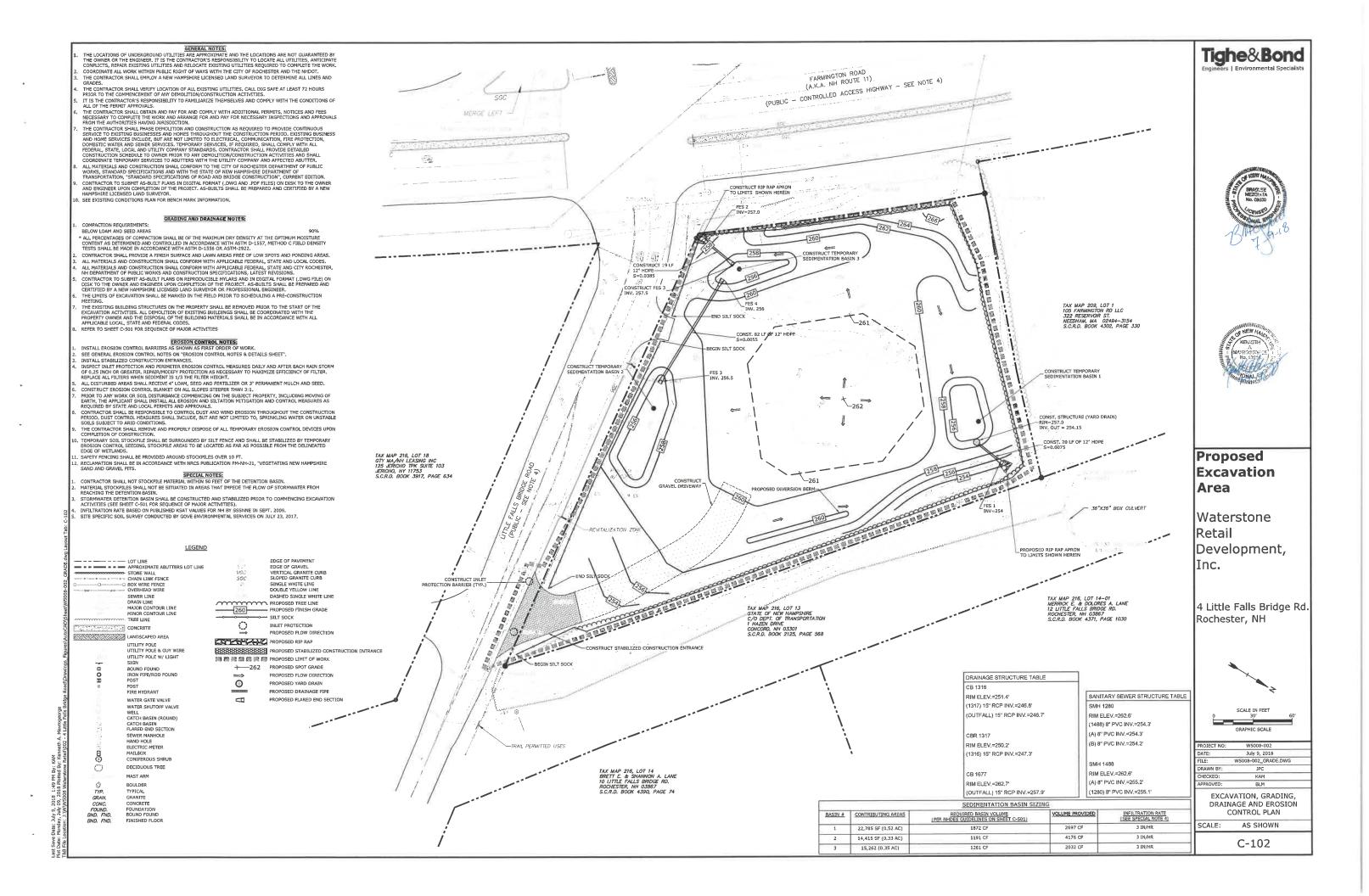
THE WORK, THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING AND IMPLEMENTING SAFETY PROCEDURES AND SYSTEMS AS REQUIRED BY THE UNITED STATES OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA), AND ANY STATE



IGHE & BOND. ASSUMES NO RESPONSIBILITY FOR ANY ISSUES LEGAL OR OTHERWISE, RESULTING FROM CHANGES MADE TO







 APPLY SEED UNIFORMLY BY HAND, CYCLONE SEEDER, OR HYDROSEEDER (SLURRY INCLUDING SEED AND FERTILIZER). HYDROSEEDINGS, WHICH INCLUDE MULCH, MAY BE LEFT ON SOIL SURFACE. SEEDING RATES ECT OWNER: WATERSTONE RETAIL DEVELOPMENT, INC. 322 RESERVOIR STREET
NEEDHAM, MA 02494
PROPOSED EXCAVATION AREA
4 LITTLE FALLS BRIDGE ROAD MUST BE INCREASED 10% WHEN HYDROSEEDING INTENANCE: TEMPORARY SEEDING SHALL BE PERIODICALLY INSPECTED. AT A MINIMUM, 95% OF THE SOIL SURFACE SHOULD BE COVERED BY VEGETATION. IF ANY EVIDENCE OF EROSION OR SEDIMENTATION IS APPARENT REPAIRS SHALL BE MADE AND OTHER TEMPORARY MEASURES USED IN THE INTERIM (MULCH, FILTER BARRIERS, CHECK DAMS, ETC.). OJECT MAP / LOT: MAP 216 / LOT 012
DIECT LATITUDE: 43°-20'-05 13°2" EGETATIVE PRACTICE: FOR PERMANENT MEASURES AND PLANTINGS: FOR PERMANENT MEASURES AND PLANTINGS:

I. LIMESTONE SHALL BET THOOLOGING IN CORPORATED INTO THE LOAM LAYER AT A RATE OF THREE (3) TONS
PER ACRE IN ORDER TO PROVIDE A PH VALUE OF 5.5 TO 6.5;

C. FERTILIZER SHALL BE SPREAD ON THE TOP LAYER OF LOAM AND WORKED INTO THE SURFACE. FERTILIZER
APPLICATION RATE SHALL BE 800 POUNDS PER ACRE OF 10-20-20 FERTILIZER;

SOLIC CONDITIONERS AND FERTILIZER SHALL BE APPLIED AT THE RECOMMENDED RATES AND SHALL BE
THOROUGHLY WORKED INTO THE LOAM. LOAM SHALL BE RAKED UNTIL THE SURFACE IS FINELY PULVERIZED,
SMOOTH AND EVEN, AND THEN COMPACTED TO AN EVEN SURFACE CONFORMING TO THE REQUIRED LINES AND
GRADES WITH APPROVED ROLLERS WEIGHING BETWEEN 4-1/2 POUNDS AND 5-1/2 POUNDS PER INCH OF
WIDTH: PROJECT DESCRIPTION
THE PROJECT CONSISTS OF THE DEMOLITION OF APPROXIMATELY A 2100 SF BUILDING A 1100 SF GARAGE ON A 1,9
ACRE LOT. THE CLEARING, GRUBBING, AND EXCAVATION OF THE SITE. THE WORK IS ANTICIPATED TO START IN MONTH
SUMMER 2018, AND BE COMPLETED BY WINTER 2018/2019. DISTURBED AREA THE TOTAL AREA TO BE DISTURBED IS APPROXIMATELY 1.9 ACRES. WIDTH;

4. SEED SHALL BE SOWN AT THE RATE SHOWN BELOW, SOWING SHALL BE DONE ON A CALM, DRY DAY, PREFERABLY BY MACHINE, BUT IF BY HAND, ONLY BY EXPERIENCED WORKMEN, IMMEDIATELY BEFORE SEEDING, THE SOIL SHALL BE LIGHTLY RAKED, ONE HALT THE SEED SHALL BE SOWN IN ONE DIRECTION AND THE OTHER HALF AT RIGHT ANGLES TO THE ORDINAL DIRECTION. IT SHALL BE LIGHTLY RAKED INTO THE SOIL TO A DEPTH NOT OVER 1/14 INCH AND ROLLED WITH A HAND ROLLER WEIGHING NOT OVER 100 POWINGS PER SOIL CHARACTERISTICS
SASED ON THE USCS SITE SPECIFIC SOIL SURVEY CONDUCTED BY GOVE ENVIRONMENTAL SERVICES, INC., ON JULY, 23, 2017 THE SOILS ON SITE CONSIST OF HINKCLEY, DEERFIELD, AND UDDRTHENTS URBAN LAND SOILS WHICH ARE WELL DRAINED SOILS WITH HYDROLOGIC SOIL GROUP RATING(S) OF A, 8, AND A/D. TO A DEPTH NOT JUNE 1/9 INCLAIMS ROLLED THE SECURIOR AS INDICATED ABOVE; HAY MULCH SHALL BE APPLIED IMMEDIATELY AFTER SEBUING AS INDICATED ABOVE; HAY MULCH SHALL BE WATERED AND KEPT MOIST WITH A FINE SPRAY AS REQUIRED, WITHOUT WASHING THE SUPPLY OF A SHALL BE WATERED AND KEPT MOIST WITHOUT WASHING COVERED WITH GRASS SHALL BE RESERVED, AND ALL HOXIOUS WEEDS REMOVED; HE CONTRACTOR SHALL PROTECT AND MAINTAIN THE SEEDED AREAS UNITL ACCEPTED; A GRASS SEED MIXTURE CONTAINING THE FOLLOWING SEED REQUIREMENTS SHALL BE APPLIED AT THE NAME OF RECEIVING WATERS
THE STORNWATER RUNOFF FROM THE SITE WILL BE DISCHARGED VIA OVERLAND FLOW TO EXISTING CULVERTS BELOW
LITTLE FALLS BRIDGE ROAD OR TO CULVERT BELOW THE RAIL TRAIL. ONSTRUCTION SEQUENCE OF MAJOR ACTIVITIES: CONSTRUCT THEYORARY AND PERMANENT SEDIMENT, EROSION AND DETENTION CONTROL FACILITIES, EROSION, SEDIMENT AND DETENTION MEASURES SHALL BE INSTALLED PRIOR TO ANY EARTH MOVING OPERATIONS THAT WILL INFLUENCE STOOMWATER RINOFF SUCH AS:

NEW CONSTRUCTION

DEVELOPMENT OF BORROW PIT AREAS

DISPOSAL OF SEDIMENT SPOIL, STUMP AND OTHER SOLID WASTE

CONTROL OF BUST

CONTROL OF BUST

CONSTRUCTION OF ACCESS AND HAUL ROAD

NEARNESS OF CONSTRUCTION SITE TO RECEIVING WATERS

CONSTRUCTION DURING LATE WINTER AND EARLY SPRING

TONSTRUCTION DURING LATE WINTER AND EARLY SPRING

ALL PERMANENT DITCHES, SWALES, OFTENTION, RETENTION AND SEDIMENTATION BASINS TO BE STABILIZED USING THE VEGETATIVE AND NON-STRUCTURAL BMPS PRIOR TO DIRECTING RUNOFF TO THEM, CLEAR AND DISPOSE OF DEBRIS. SEED MIX APPLICATION RATE CREEPING RED FESCUE 50 LBS/ACRE CREEPING RED FESCUE 50 LBS/ACRE
TALL FESCUE 50 LBS/ACRE
REDTOP 10 LBS/ACRE
REDTOP 50 LBS/ACRE
IN NO CASE SHALL THE WEED CONTENT EXCEED ONE (1) PERCENT BY WEIGHT, ALL SEED SHALL COMPLY WITH
STATE AND FEDERAL SEED LAWS. SEEDING SHALL BE DONE NO LATER THAN SEPTEMBER 15. IN NO CASE
SHALL SEEDING TAKE PLACE OVER SNOW.
DORNANT SEEDING (SEPTEMBER 15 TO FIRST SNOWFALL):
FOLLOW PERMANENT MEASURES SLOPE, LINE FERTILIZER AND GRADING REQUIREMENTS. APPLY SEED MIXTURE
AT TWICE THE INDICATED RATE. APPLY MULCH AS INDICATED FOR PERMANENT MEASURES. CLEAR AND DISPOSE OF DEBRI CLEAR AND DISPOSE OF DEBRIS.

CONSTRUCT THEMPORARY CULVERTS AND DIVERSION CHANNELS AS REQUIRED.

GRADE AND GRAVER ROADWAYS AND PARKING AREAS - ALL ROADS AND PARKING AREA SHALL BE STABILIZED

WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE.

BEGGIN PERMANENT AND TEMPORARY SEEDING AND MULCHING. ALL CUT AND FILL SLOPES SHALL BE SEEDED AND

MULCHED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE.

DAILY, OR AS REQUIRED, CONSTRUCT TEMPORARY BERNS, DRAINS, DITCHES, PERIMETER EROSION CONTROL

MEASURES, SEDIMENT TRAPS, ETC., MULCH AND SEED AS REQUIRED.

FINISH PAVING ALL ROADWAYS AND PARKING LOTS.

INSPECT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES.

COMPLETE PERMANENT SEEDING AND LANDSCAPING.

REMOVE TRAPPOS SEDIMENTS FROM COLLECTOR DEVICES AS APPROPRIATE AND THEN REMOVE TEMPORARY

EROMOVE TRAPPOS SEDIMENTS FROM COLLECTOR DEVICES AS APPROPRIATE AND THEN REMOVE TEMPORARY

EROSION CONTROL MEASURES. ONCRETE WASHOUT AREA:
THE FOLLOWING ARE THE ONLY NON-STORMWATER DISCHARGES ALLOWED, ALL OTHER NON-STORMWATER DISCHARGES ARE PROHIBITED ON SITE:
THE CONCRETE DELIVERY TRUCKS SHALL, WHENEVER POSSIBLE, USE WASHOUT FACILITIES AT THEIR OWN PLANT
OR DISPATCH FACILITY: OR DISPATCH FACILITY;

B. IF IT IS NECESSARY, SITE CONTRACTOR SHALL DESIGNATE SPECIFIC WASHOUT FACILITIES AT THEIR OWN PLANT TO HANDLE ANTICIPATE WASHOUT WATER;
C. CONTRACTOR SHALL LOCATE WASHOUT AREAS AT LEAST 150 FEET AWAY FROM STORM DRAINS, SWALES AND SUFFACE WATERS OR DELINEATED WEITHANDS;
D. INSPECT WASHOUT FACILITIES DAILY TO DETECT LEAKS OR TEARS AND TO IDENTIFY WHEN MATERIALS NEED TO BE REVOYED. ALLOWABLE NON-STORMWATER DISCHARGES: SPECIAL CONSTRUCTION NOTES:

THE CONSTRUCTION FOOTES:

THE CONSTRUCTION SOURCE MUST LIMIT THE DURATION AND AREA OF DISTURBANCE.

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

LOT DISTURBANCE, OTHER THAN THAT SHOWN ON THE APPROVED PLANS, SHALL NOT COMMENCE UNTIL AFTER THE ROADWAY HAS THE BASE COURSE TO DESION ELEVATION AND THE ASPOCIATED DRAINAGE IS COMPLETE AND STABLE. - THIS NOTE IS APPLICABLE TO SINGLE/DUPLEX FAMILY SUBDIVISIONS, WHEN LOT DEVELOPMENT IS NOT PART OF THE PERMIT. FIRE HYDRANT FLUSHING; WATERS USED TO WASH VEHICLES WHERE DETERGENTS ARE NOT USED; WATER USED TO CONTROL DUST; WATER USED TO CONTROL DUST;
POTABLE WATER INCLIDING UNCONTAMINATED WATER LINE FLUSHING;
ROUTINE EXTERNAL BUILDING WASH DOWN WHERE DETERGENTS ARE NOT USED;
ROUTINE EXTERNAL BUILDING WASH DOWN WHERE DETERGENTS ARE NOT USED;
ROUTINE THE REPORT OF THE PROPERTY OF THE PROPER AND STON CONTROL NOTES:

ALL EROSION CONTROL MEASURES AND PRACTICES SHALL CONFORM TO THE "NEW HAMPSHIRE STORMWATER MANUAL YOLGHM S: EROSION AND SEDIMENT CONTROLS DURING CONSTRUCTION" PREPARED BY THE NHDES. PRIOR TO ANY WORK OR SOIL DISTURBANCE, CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR EROSION CONTROL MEASURES AS REQUIRED IN THE PROJECT MANUAL CONTROL MEASURES AS REQUIRED IN THE PROJECT MANUAL CONTRACTOR SHALL INSTALL TEMPORARY EROSION CONTROL BARRIERS, INCLUDING HAY BALES, SILT FENCES, NULLCH BERNS, SILT SACKS AND SILT SACKS AS SHOWN IN THESE DRAWINGS AS THE FIRST ORDER OF WORK. SILT SACK INLET PROTECTION SHALL BE INSTALLED IN ALL EXISTING AND PROPOSED CATCH BASIN INLETS WITHIN THE PROPERTY OF THE PROJECT BASIN SILT SACKS, AND/OR HAY BALE BARRIERS SHALL BE MANUALINED, SILT SACKS, AND/OR HAY BALE BARRIERS SHALL BE MANUALINED FOR THE DURATION OF THE PROJECT INTIL NON-PAVED AREAS HAVE BEEN STABILIZED.

THE CONTRACTOR SHALL BERMY AND PRODERLY DISPOSED FALL THEMPORARY PERSISTION CONTROL DEVICES LIPON. AMSTE MATERIAL:
ALL WASTE MATERIALS SHALL BE COLLECTED AND STORED IN SECURELY LIDDED RECEPTACLES, ALL TRASH AND
CONSTRUCTION DEBRIS FROM THE SITE SHALL BE DEPOSITED IN A DUMPSTER;
NO CONSTRUCTION WASTE MATERIALS SHALL BE BURIED ON SITE;
ALL PERSONNEL SHALL BE INSTRUCTED REGARDING THE CORRECT PROCEDURE FOR WASTE DISPOSAL BY THE
SUPERINTENDENT. THE CONTRACTOR SHALL REMOVE AND PROPERLY DISPOSE OF ALL TEMPORARY EROSION CONTROL DEVICES UPON THE CONTRACTOR SHALL REMUVE AND PROPERLY USFFUSE OF THE LIFETONIA OF CONSTRUCTION.
ALL DISTURBED AREAS NOT OTHERWISE BEING TREATED SHALL RECEIVE 6' LOAM, SEED AND FERTILIZER,
INSPECT ALL INLEF PROTECTION AND PERMETER CONTROLS WEEKLY AND AFTER EACH RAIN STORM OF 0.25 INCH
OR GREATER. REPAIRMODIFY PROTECTION AS NECESSARY TO MAXIMIZE EFFICIENCY OF FILTER. REPLACE ALL
FILTERS WHEN SCOMENT IS 1/3 THE FILTER HEIGHT,
CONSTRUCT EROSION CONTROL BLANKETS ON ALL SLOPES STEEPER THAN 3:1. ALL HAZARDOUS WASTE MATERIALS SHALL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL OR STATE REGULATION OR BY THE MANUFACTURER;
B. SITE PERSONNEL SHALL BE INSTRUCTED IN THESE PRACTICES BY THE SUPERINTENDENT. ANITARY WASTE:
ALL SANITARY WASTE SHALL BE COLLECTED FROM THE PORTABLE UNITS A MINIMUM OF ONCE PER WEEK BY A
LICENSED SANITARY WASTE MANAGEMENT CONTRACTOR. ITABILIZATION:

AN AREA SHALL BE CONSIDERED STABLE WHEN ONE OF THE FOLLOWING HAS OCCURRED:

A. BASE COURSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED;

B. A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED OF THE PARTY OF THE PAR SPILL PREVENTION:

CONTRACTOR SHALL BE FAMILIAR WITH SPILL PREVENTION MEASURES REQUIRED BY LOCAL, STATE AND FEDERAL AGENCIES. AT A MINIMUM, CONTRACTOR SHALL FOLLOW THE BEST MANAGEMENT SPILL PREVENTION PRACTICES OUTLINED BELOW. OUTLINED SELOW,
THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT SHALL BE USED TO REDUCE THE RISK OF
SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES DURING CONSTRUCTION TO
STORMWATER RUNOFF:
GOOD HOUSEKEEPING - THE FOLLOWING GOOD HOUSEKEEPING PRACTICE SHALL BE FOLLOWED ON SITE DURING STANDARD FOR ROAD AND BRIDGE CONSTRUCTION, 2019, THEM DAY, & DAYED BEEN THE OFFICIAL WITTER STABLIZATION PRACTICES:

ALL PROPOSED VEGETATED AREAS THAT DO NOT EXHIBIT A MINIMUM OF 85 PERCENT VEGETATIVE GROWTH BY OCTOBER 15, OR WHICH ARE DISTURBED AFFER OCTOBER 15, SHALL BE STABLIZED BY SEEDING AND INSTALLING BROSSION CONTROL BLANKETS ON SLOPES GREATER THAN 3:1, AND SEEDING AND PLACTING TO 4 TONS OF MUCH PER ACRE, SECURED WITH ANCHORED NEITHING, ELSEWHERE. THE INSTALLATION OF EROSION CONTROL BLANKETS OR MULCH AND NEITHING SHALL NOT OCCUR OVER ACCUMULATED SNOW OR ON PROZEN GROUND AND SHALL BE COMPLETED IN ADVANCE OF THAN OR SPRING MELT EVENTS;

ALL DITCHES OR SWALES WHICH DO NOT EXHIBIT A MINIMUM OF 85 PERCENT VEGETATIVE GROWTH BY OCCUPANCE OF DISMINISHED AND STRING MELT SHALL BE SHAD SHALL BE COMPORABLLY WITH STONE ONSTRUCTION:
ONLY SUPFICIENT AMOUNTS OF PRODUCTS TO DO THE JOB SHALL BE STORED ON SITE;
ALL MATERIALS STORED ON SITE SHALL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR PROPER
(ORIGINAL IF POSSIBLE) CONTAINERS AND, IF POSSIBLE, UNDER A ROOF OR OTHER ENCLOSERY
(MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL SHALL BE FOLLOWED; MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL SHALL BE FULLWED; THE SITE SUPPRINTENDENT SHALL INSPECT DAILY TO ENSURE PROPER USE AND DISPOSAL OF MATERIALS; SUBSTANCES SHALL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER; WHENEVER DOSSIBLE ALL OF A PRODUCT SHALL BE USED UP BEFORE DISPOSING OF THE CONTAINER, ZARDOUS PRODUCTS - THE FOLLOWING PRACTICES SHALL BE USED TO REDUCE THE RISKS ASSOCIATED WITH ALL DITURES OR SWALES WHICH DO DUT EARTHST OCTOBER 13, PRECIDEN VESTELLED TEMPORALITY STATES OF OCTOBER 13, OR WHICH ARE SITURED WHITE OCTOBER 13, SHALL BE STREET IN SECRETARY WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR IT HE DESIGN FOW CONDITIONS AND AREA OF A STATES NOVEMBER 13, INCOMPLETE ROAD OR PARKING SURFACES, WHERE WORD WITHOUT STATES OF THE WINTER SEASON, SHALL BE PROTECTED WITH A MINIMUM OF 3 INCHES OF CUSHED GRAVEL PER NHOLD IT HER 304.3, OR IF CONSTRUCTION IS TO CONTINUE THROUGH THE WINTER SEASON BE CLEARED OF ANY ACCUMULATED SWO -IAZAROUS MATERIALS:

PRODUCTS SHALL BE KEPT IN THEIR ORIGINAL CONTAINERS UNLESS THEY ARE NOT RESEALABLE;

PRODUCTS SHALL BE KEPT IN THEIR ORIGINAL CONTAINERS UNLESS THEY ARE NOT RESEALABLE;

ORIGINAL LABLES AND MATERIAL SAFETY DATA SHALL BE RETAINED FOR IMPORTANT PRODUCT INFORMATION,

SURPLUS PRODUCT THAT MUST BE DISPOSED OF SHALL BE DISCARDED ACCORDING TO THE MANUFACTURER'S IF CONSTRUCTION IS TO CONTINUE TROUGHT HE WINTER SESSION BE CLEARED OF ART ALCOMOLATED SHOW AFTER EACH STORM EVENT.

STABILIZATION SHALL BE INITIATED ON ALL LOAM STOCKPILES, AND DISTURBED AREAS, WHERE CONSTRUCTION
ACTIVITY SHALL NOT OCCUS FOR MORE THAN TWENTY-ONE (21) CALENDAR DAYS BY THE FOURTEENTH (14TH) DAY
AFTER CONSTRUCTION ACTIVITY HAS PERMANENTLY OR TEMPORARILY CEASED IN THAT AREA. STABILIZATION
MEASURES TO BE USED INCLUDE:

1. TEMPORARY SEEDING;

2. MICHARD. RECOMMENDED METHODS OF DISPOSAL.

C. PRODUCT SPECIFIC PRACTICES - THE FOLLOWING PRODUCT SPECIFIC PRACTICES SHALL BE FOLLOWED ON SITE: ALL ON SITE VEHICLES SHALL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE LEAKAGE;
PETROLEUM PRODUCTS SHALL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED.
ANY ASPHALT BASED SUBSTANCES USED ON SITE SHALL BE APPLIED ACCORDING TO THE MANUFACTURERS'
RECOMMENDATIONS. . MULCHING.
WHEN CONSTRUCTION ACTIVITY PERMANENTLY OR TEMPORARILY CEASES WITHIN 100 FEET OF NEARBY SURFACE
WATERS OR DELINEATED WETHANDS, THE AREA SHALL BE STABILIZED WITHIN SEVEN (7) DAYS OR PRIOR TO A RAIN
EVENT. ONCE CONSTRUCTION ACTIVITY CEASES PERMANENTLY IN AN THESE AREAS, SILT FENCES, MULCH BERMS,
HAY BALE BARRIERS AND ANY EARTH/DIRES SHALL BE REMOVED ONCE PERMANENT MEASURES ARE ESTABLISHED. ERTILIZERS:
FERTILIZERS USED SHALL BE APPLIED ONLY IN THE MINIMUM AMOUNTS DIRECTED BY THE SPECIFICATIONS;
ONCE APPLIED FERTILIZER SHALL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORMWATER;
STORAGE SHALL BE IN A COVERED SHED OR ENLOSED TRAILERS. THE CONTENTS OF ANY PARTIALLY USED
BAGS OF FERTILIZER SHALL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS. THAT BALE BANGISES AND ART BAR HYDINES SHALL BE REPOVED UNCE PERMANENT MEASURES ARE ESTABLISHED DURING CONSTRUCTION, RUNDEY WILL BE DIVERTED AROUND THE SITE WITH EARTH DIKES, PIPING OR STABILIZ CHANNELS WHERE POSSIBLE, SHEET RUNOFF FROM THE SITE WILL BE FILTERED THROUGH SILT FENCES, MULCH BERMS, HAY BALE BARRIERS, OR SILT SOCKS. ALL STORM DRAIN BASIN INLETS SHALL BE PROVIDED WITH FLARE END SECTIONS AND TRASH RACKS. THE SITE SHALL BE STABILIZED FOR THE WINTER BY NOVEMBER 15. 3. PAINTS:

ALL CONTAINERS SHALL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE;

EXCESS PAINT SHALL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM;

EXCESS PAINT SHALL BE DISCHOSE OF PROPERLY ACCORDING TO MANUFACTURER'S INSTRUCTIONS OR STATE AND LOCAL REGULATIONS.

DILL CONTROL PRACTICES - IN ADDITION TO GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS SECTION, THE FOLLOWING PRACTICES SHALL BE FOLLOWED FOR SPILL PREVIOUS SECTION, THE FOLLOWING PRACTICES SHALL BE FOLLOWED FOR SPILL COVERING LOADED DUMP TRUCKS LEAVING THE STIF, AND TEMPORARY MULCHING.

DUST CONTROL MEASURES SHALL BE UTILIZED SO AS TO PREVENT THE MIGRATION OF DUST FROM THE SITE TO

ABILITING AREAS INCLUDING BUT NOT LIMITED TO LITTLE FALLS BRIDGE ROAD OR NH RT. 11. CLEARUP SUPPLIES;
MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP SHALL BE KEPT IN THE MATERIAL STORAGE
AREA ON SITE. EQUIPMENT AND MATERIALS SHALL INCLUDE BUT NOT BE LINTED TO BROOMS, DUSTPANS,
MOPS, RAGS, GLOVES, GOGGLES, KITTY LITTER, SAND, SAWDUST AND PLASTIC OR METAL TRASH CONTAINERS
SPECIFICALLY FOR THIS PURPOSE; STOCKPILES:

1. LOCATE STOCKPILES A MINIMUM OF 50 FEET AWAY FROM CATCH BASINS, SWALES, AND CULVERTS.

2. ALL STOCKPILES SHOULD BE SURROUNDED WITH TEMPORARY EROSION CONTROL MEASURES PRIOR TO THE ONSET OF PRECIPITATION. OF PRECIPITATION.

PERIMETER BARRIERS SHOULD BE MAINTAINED AT ALL TIMES, AND ADJUSTED AS NEEDED TO ACCOMMODATE THE DELIVERY AND REMOVAL OF MATERIALS FROM THE STOCKPILE. THE INTEGRITY OF THE BARRIER SHOULD BE INSPECTED AT THE END OF EACH WORKING DAY.

PROTECT ALL STOCKPILES FROM STORMWATER RUN-OFF USING TEMPORARY EROSION CONTROL MEASURES SUCH AS BERMS, SILT SOCK, OR OTHER APPROVED PRACTICE TO PREVENT MIGRATION OF MATERIAL BEYOND THE IMMEDIATE CONFINES OF THE STOCKPILES. SPECIFICALLY FOR THIS PURPOSE;

ALL SPILL SHALL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY;

THE SPILL AREA SHALL BE KEPT WELL VENTILATED AND PERSONNEL SHALL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE;

SPILLS OF TOXIC OR HAZARDOUS MATERIAL SHALL BE REPORTED TO THE APPROPRIATE LOCAL, STATE OR FEDERAL AGENCIES AS REQUIRED;

THE SITE SUPERINTENDENT RESPONSIBLE FOR DAY-TO-DAY SITE OPERATIONS SHALL BE THE SPILL PREVENTION AND CLEANIP COODDINATOR.

E. VEHICLE FUELING AND MAINTENANCE PRACTICE: IFF SITE VEHICLE TRACKING:
THE CONTRACTOR SHALL CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE(S) PRIOR TO ANY EXCAVATION EHICLE FUELING AND MAINTENANCE PRACTICE:
CONTRACTOR SHALL MAKE AN EFFORT TO PERFORM EQUIPMENT/VEHICAL FUELING AND MAINTENANCE AT AN OFF-SITE FACILITY;
CONTRACTOR SHALL PROVIDE AN ON-SITE FUELING AND MAINTENANCE AREA THAT IS CLEAN AND DRY;
IF POSSIBLE THE CONTRACTOR SHALL KEEP AREA COVERED;
CONTRACTOR SHALL KEEP AS THE FUELING AND MAINTENANCE AREA;
CONTRACTOR SHALL KEEP AS THE FUELING AND MAINTENANCE AREA;
CONTRACTOR SHALL SEQULARLY INSPECT VEHICLES FOR LEAKS AND DAMAGE;
CONTRACTOR SHALL USE DATE PANS, DUTP CUTHS, OR ASSORBENT FADS WHEN REPLACING SPENT FLUID.

EROSION CONTROL OBSERVATIONS AND MAINTENANCE PRACTICES
THIS PROJECT EXCEEDS ONE (1) ACRE OF DISTURBANCE AND THUS REQUIRES A SWPPP. THE SWPPP SHALL BE
PREPARED BY THE CONTRACTOR, THE CONTRACTOR SHALL BE FAMILIAR WITH THE SWPPP AND KEEP AN UPDATE
OF THE SWPPP ONSITE AT ALL TIMES.

Tighe&Bond I OF THIS PROJECT: OBSERVATIONS OF THE PROJECT FOR COMPLIANCE WITH THE SWPPP SHALL BE MADE BY THE ENGINEER (CONTRACTOR) AT LEAST ONCE A WEEK OR WITHIN 24 HOURS OF A STORM 0.25 INCHES OR GREATER; AN OBSERVATION REPORT SHALL BE MADE AFTER EACH OBSERVATION AND DISTRIBUTED TO THE ENGINEER, THE OWNER, AND THE CONTRACTOR;

3. A REPRESENTATIVE OF THE SITE CONTRACTOR, SHALL BE RESPONSIBLE FOR MAINTENANCE AND REPAIR ----- FLOW FLOW ---ACTIVITIES;
4. IF A REPAIR IS NECESSARY, IT SHALL BE INITIATED WITHIN 24 HOURS OF REPORT. NOTES:

1. THE TRAP SHALL BE INSTALLED AS CLOSE TO THE DISTURBED AREA AS POSSIBLE.

2. THE MAXIMUM CONTRIBUTING AREA TO A SINGLE TRAP SHALL BE LESS THAN 5 ACRES.

3. THE MINIMUM VOLUME OF THE TRAP SHALL BE 3,600 CUBIC FEET OF STORAGE FOR EACH ACRE OF DRAINAGE APPROVED EQUAL RIM=257.5 MILLI 77777 CUBIC FEET OF STURAGE FOR ENGLISHMENT
AREA.
TRAP OUTLET SHALL BE MINIMUM OF ONE FOOT BELOW
THE CREST OF THE TRAP.
TRAP SHALL DISCHARGE TO A STABILIZED AREA.
TRAP SHALL BE CLEANED WHEN 50 PERCENT OF THE
ORIGINAL VOLUME IS FILLED.
MATERIALS REMOVED FROM THE TRAP SHALL BE
PROPERLY DISPOSED OF AND STABILIZED. 0/ ROSION CONTROL LAN (SHEET C-102) PLAN DIKE IS DIKE, IN NECESSARY, TO DIVERT FLOW INTO TRAP WEIR OR USING STONE OUTLET OR PIPE INVERT=254.15 SEDIMENT TRAP YARD DRAIN LOAM AREA PAVED -3:1 MAX, SLOPE SIDE SLOPES TO BE SEE PAVEMENT DETAIL SECTION RIP-RAP STONE SIZE AND MAT DIMENSIONS DETAILED ON PLANS. STONE SHALL CONSIST OF SUB-ANGULAR FIFLD STONE SHALL CONSIST OF SUB-ANGULAR FIELD STONE OR ROUGH UNHEWN QUARRY STONE OF APPROXIMATELY RECTANGULAR SHAPE. FLAT OR ROUND ROCKS ARE NOT ACCEPTABLE. THE STONE SHALL BE HARD AND OF SUCH QUALITY THAT IT WILL NOT DISINTEGRATE ON EXPOSURE TO WATER OR WEATHERING, BE CHEMICALLY STABLE AND IT SHALL BE SUITABLE IN ALL OTHER RESPECTS FOR THE PURPOSE INTENDED. THE BULK SPECIFIC GRAVITY (SATURATED SURFACE-DRY BASIS) OF THE INDIVIOUAL STONES SHALL BE AT LEAST 2.5. INSULATION WHERE CALLED FOR ON PLANS NOTES:

1. CRUSHED STONE BEDDING AND BACKFILL FOR FULL
TO STORY OF THE OWN DIPPEN. CRUSHED STONE BEDDING AND BACKFILL FOR FULL WIDTH OF THE TRENCH FROM 6° BELLOW PIPE IN EARTH AND 12° BELOW PIPE IN ROCK UP TO 6° ABOVE TOP OF PIPE.

ALL UTILITIES SHALL BE INSTALLED PER THE MOVIDUAL UTILITY COMPANY STANDARDS.

COORDINATE ALL INSTALLATIONS WITH MOVIDUAL UTILITY COMPANIES AND THE CITY OF BACKFILL MATERIAL THE STONE SHALL BE COMPOSED OF A WELL-GRADED MIXTURE DOWN TO THE ONE-INCH FLARED END SECTION WELL-GRADED MIXTURE DOWN TO THE ONE-INCH SIZE PARTICLE SUCH THAT 50 PERCENT OF THE MIXTURE BY WEIGHT SHALL BE LARGER THAN THE D50 SIZE SPECIFIED. A WELL-GRADED MIXTURE IS DEFINED AS A MIXTURE COMPOSED PRIMARILY OF 3'-0" MIN, OR D+2 STORM DRAIN TRENCH DEFINED AS A MIXI UNE COMPOSED PRIMARILY OF THE LARGER STONE SIZE BUT WITH A SUPFICIENT MIXTURE OF OTHER SIZES TO FILL THE PROGRESSIVELY SMALLER VOIDS BETWEEN THE STONES. THE DIAMETER OF THE LARGEST STONE SIZE IN SUCH A MIXTURE SHALL BE 1.5 TIMES THE SECTION Proposed 6" OVERLAY MIRAFI FW-700 OR EQUAL RIP-RAP APRON DETAIL **Excavation f**hal Area -A 75' (MIN) (W/O BERM) 50' (MIN) WITH 3"-6" IVERSION BERM PROVID Waterstone Retail FULL TCT SLOPE NOTES:

MINTAINED IN A CONDITION
MASHING IS REQUIRED, IT SHALL
BE DONE SO RUNOFF DRAINS INTO
AN APPROVED SEDIMENT TRAPPING
DEVICE, ALL SEDIMENT SHALL BE
PREVENTED FROM ENTERING STORM
DRAINS, DITCHES, OR WATERWAYS Development, (1) Inc. PLAN VIEW DIVERSION BERN (OPTIONAL) PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER AND 75' (MIN) (W/O BERM) 50' (MIN) WITH 3"-6" DIVERSION BERM PROVIDED PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY RECESSANT AFFICACION OF LICENSEED.
BEGIN AT THE TOP OF THE SLOPE, 36° OVER THE GRADE BREAK, BY ANCHORING THE BLANKET IN A 6° DEEP X 6°
WIDE TRENCH WITH APPROXIMATELY 12° OF BLANKET EXTENDED BEYOND THE UPSLOPE PORTION OF THE TRENCH.
ANCHOR THE BLANKET WITH A ROW OF TAPLES/STAKES 12° APART IN THE BOTTOM OF THE TRENCH, BACKFILL AND
COMPACT THE TRENCH AFTER TAPLING, APPLY SEED TO COMPACTED SOIL, AND FOLD REMAINING 12° PORTION OF
BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF
STAPLES SPACED 12° APART ACROSS THE WIDTH OF THE BLANKET.
ROLL THE BLANKETS DOWN THE SLOPE, ALL BLANKETS MUST BE SECURELY FASTENED TO THE SOIL SURFACE BY
PLACING STAPLES IN APPROPRIATE LOCATIONS AS SHOWN ON THE STAPLE PATTERN GUIDE.

STAPLE SHAPLES IN APPROPRIATE LOCATIONS AS SHOWN ON THE STAPLE PATTERN GUIDE. 4 Little Falls Bridge Rd. Rochester, NH SLOPE SLOPE SIDE VIEW STABILIZED CONSTRUCTION EXIT JUTE MATTING 2" X 2" WOODEN STAKE SPACE AS REQUIRED AREA TO REMAIN NATURA WORK AREA W5008-002 4" MIN. COVER WIN. July 9, 2018 WATER FLOW W5008-002 DETAILS.DWG DRAWN BY CONTROL FABRIC SIDE VIEW SIDE VIEW WORK AREA FRONT VIEW NOTES: 1. SILT SOCK SHALL BE SILT SOXX BY FILTREXX EROSION CONTROL NOTES AND PLAN VIEW OR EQUAL INSTALL SILT SOCK IN ACCORDANCE WITH MANUFACTURES RECOMMENDATIONS. DETAILS SHEET NOTE: SEE EROSION CONTROL NOTES FOR MATERIAL, INSTALLATION AND MAINTENANCE REQUIREMENTS. SILT SOCK

SCALE:

AS SHOWN

C-501

THE FOLLOWING REPRESENTS THE GENERAL OBSERVATION AND REPORTING PRACTICES THAT SHALL BE FOLLOWED AS

VEGETATION:

TEMPORARY GRASS COVER:

. SEEDING:
1. UTILIZE ANNUAL RYE GRASS AT A RATE OF 40 LBS/ACRE;
2. WHERE THE SOIL HAS BEEN COMPACTED BY CONSTRUCTION OPERATIONS, LOOSEN SOIL TO A DEPTH OF TWO
(2) INCHES BEFORE APPLYING FERTILIZER, LIME AND SEED;