

LOCUS MAP SCALE: ±1"=2,000'

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VEL AND EARTH REMOVAL PLAN G2 HOLDINGS, LLC KEENE TAX MAP 215 LOTS 7 & 8 **SULLIVAN TAX MAP 5 LOTS 46 & 46-1 57 ROUTE 9 KEENE, NEW HAMPSHIRE CHESHIRE COUNTY**

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GRANITE

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Dow Street, Tower 2, Suite 421 Manchester, New Hampshire 03101

603.518.8030

www.GraniteEng.com





OWNER & APPLICANT:

G2 HOLDINGS, LLC 250 NORTH STREET JAFFREY, NH 03452 (603) 325-8457



CIVIL ENGINEER: GRANITE ENGINEERING, LLC

WETLAND SCIENTIST:

36 DUNKLEE STREET

CONCORD, NH 03301

SMITH & POSPESIL LAND

(603) 224-6244

SURVEYING, PLLC

ECOSYSTEMS LAND PLANNING

150 DOW STREET, TOWER 2, STE 421 MANCHESTER, NH 03101 (603) 518-8030

ECOSYSTEMS

Smith & Pospesil

240 QUEBEC ROAD LYMAN, NH 03585 (603) 838-6494

SURVEYOR:

SOIL SCIENTIST: HURLEY ENVIRONMENTAL AND LAND PLANNING, LLC. P.O. BOX 356 EPSOM, NH 03234 (603) 583-1745

HYDROGEOLOGIST:

FRONTIER GEOSERVICES, LLC. 127 OLD WARNER ROAD BRADFORD, NH 03221 (603) 748-37155

		REVISIONS	
No.	DATE	COMMENTS	BY
1	12/20/24	PROJECT SUBMITTAL	JD
2	2/3/25	REVISED PER CITY COMMENTS	JD
3	5/9/25	REVISED PER CITY COMMENTS	JD



GENERAL NOTES:

. THE PURPOSE OF THIS PLAN IS TO ILLUSTRATE THE PROPOSED EXPANSION OF AN EXISTING GRAVEL AND EARTH REMOVAL OPERATION FOR G2 HOLDINGS, LLC ON CITY OF KEENE TAX MAP 215, LOTS 7 AND 8, AND INCLUDING TAX MAP 5, LOTS 46 AND 46-1 IN THE TOWN OF SULLIVAN.

CURRENT USE OF THE PROPERTY IS FOR GRAVEL AND EARTH REMOVALS.
 AREA OF SUBJECT PARCEL = 101.27 ACRES (CITY OF KEENE), 197.82 ACRES (SULLIVAN)

ÓWNERS ÓF RECORD: G2 HOLDINGS, LLO

250 NORTH STREET JAFFREY, NH 03452

THE SUBJECT PARCEL IS LOCATED WITHIN THE CITY OF KEENE AND TOWN OF SULLIVAN R (RURAL) ZONING DISTRICTS AND SUBJECT TO THE FOLLOWING DIMENSIONAL REGULATIONS: KEENE

	REQUIRED	EXISTING LOT 7	EXISTING LOT 8
MIN. LOT AREA	2 AC	76.89 AC	24.38 AC
MIN. LOT FRONTAGE	50 FT	1,716.9 FT	545 FT
MIN. FRONT YARD	50 FT	N/A	70 FT
MIN. SIDE YARD	50 FT	N/A	132 FT
MIN. REAR YARD	50 FT	N/A	408 FT
EXCAVATION SETBACK	300 FT	322 FT	N/A

SULLIVAN

	REQUIRED	EXISTING LOT 46-1	EXISTING LOT 46
MIN. LOT AREA	2 AC	28.1± AC	169.0± AC
MIN. LOT FRONTAGE	200 FT	N/A	N/A
MIN. FRONT YARD SETBACK	50 FT	N/A	N/A
MIN. SIDE YARD SETBACK	20 FT	N/A	N/A
MIN. REAR YARD SETBACK	20 FT	N/A	N/A
EXCAVATION SETBACK TO BUILDINGS	150 FT	N/A	N/A
MIN. EXCAVATION SETBACK FROM ABUTTERS	50 FT	N/A	371 FT

6. BASE SURVEY INFORMATION INCLUDING BOUNDARY, EXISTING FEATURES, AND TOPOGRAPHY SHOWN ON THIS PLAN ARE TAKEN FROM PLAN REFERENCES AND FIELD SURVEY BY SMITH & POSPESIL LAND SURVEYING COMPANY, PLLC IN AUGUST 2022.

TOPOGRAPHIC INFORMATION SHOWN WITHIN THE AREA OF DISTURBANCE IS TAKEN FROM FIELD SURVEY BY SMITH & POSPESIL LAND SURVEYING COMPANY, PLLC IN OCTOBER 2022 AND MAY OF 2023.

 HORIZONTAL DATUM IS ON THE NEW HAMPSHIRE STATE PLANE COORDINATE SYSTEM NAD83 (2011).
 VERTICAL DATUM IS NAVD 88.

D. EXCAVATION SITE, DESIGNED BY TFM WAIVERS APPROVED BY THE KEENE PLANNING BOARD OF ADJUSTMENTS ON AUGUST 22, 2022:

- 24.3.1.A. (200' PUBLIC ROW SETBACK) GRANTED
 24.3.1.C. (150' ACCESS DRIVEWAY SETBACK) GRANTED
- 24.3.1.C. (150 ACCESS DRIVEWAT SETBACK) GRANTED
 24.3.1.D. (SURFACE WATER RESOURCE SETBACKS) GRANTED
- 24.3.4 (GROUNDWATER QUANTITY BASELINE MEASUREMENTS) GRANTED
- 24.3.5 (GROUNDWATER QUALITY BASELINE MEASUREMENTS GRANTED
 24.3.13 (MAXIMUM EXCAVATION AREA) GRANTED
- 24.3.13 (MAXIMUM EXCAVATION AREA) GRANTED I. EXCAVATION SITE, DESIGNED BY TFM CONDITIONAL USE PERMIT APPROVED BY THE KEENE PLANNING BOARD OF ADJUSTMENTS ON AUGUST 22, 2022 – KEENE HILLSIDE PROTECTION
- 2. KEENE ZBA SPECIAL EXCEPTION FOR GRAVEL PIT USE GRANTED 8/22/2022
- THE FOLLOWING ARE REQUESTED FROM THE CITY OF KEENE PLANNING BOARD:
 25.3.1.D. (SURFACE WATER RESOURCE SETBACKS) WAIVER REQUIRED
- 25.3.1.D. (SURFACE WATER RESOURCE SETBACKS) WATER REQUIR
 25.3.13 (MAXIMUM EXCAVATION AREA) WATER REQUIRED
- 25.3.3 (EXCAVATION BELOW THE WATER TABLE) WAIVER REQUIRED
- 25.3.6 (TOXIC OR ACID FORMING MATERIALS) WAIVER REQUIRED
 THE PROJECT REQUIRES THE FOLLOWING STATE, FEDERAL, AND LOCAL PERMITS:
 <u>PERMIT</u>
 <u>STATUS PERMIT NO.</u>
 NHDES AOT
 KEENE HILLSIDE PROTECTION CONDITIONAL USE PERMIT PENDING
- KEENE EARTH EXCAVATION PENDING VETLAND MAPPING PERFORMED BY JOHN ST. JOHN OF ECOSYSTEMS LAND PLANNING IN
- OCTOBER-NOVEMBER 2023.
 15. EXAMINATION OF THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAP (FIRM) FOR CHESHIRE COUNTY, NEW HAMPSHIRE (ALL JURISDICTIONS), MAP NUMBER 33005C0165E, EFFECTIVE DATE 05/23/2006 INDICATES THAT NO PORTION OF THE SUBJECT PARCEL IS LOCATED WITHIN A SPECIAL FLOOD HAZARD AREA.
- 6. LOCATION OF ANY UTILITY INFORMATION SHOWN ON THIS PLAN IS APPROXIMATE. GRANITE ENGINEERING, LLC MAKES NO CLAIM TO THE ACCURACY OR COMPLETENESS OF UTILITIES SHOWN. PRIOR TO ANY EXCAVATION ON SITE THE CONTRACTOR SHALL CONTACT DIG SAFE AT 811.
- 17. THIS PROJECT DISTURBS IN EXCESS OF 1-ACRE OF LAND. THEREFORE, WILL BE REQUIRED TO OBTAIN NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT COVERAGE AS ISSUED BY THE ENVIRONMENTAL PROTECTION AGENCY (EPA). THE OWNER/DEVELOPER AND "OPERATOR" (APPLICANT) SHALL EACH BE REQUIRED TO PREPARE AND SUBMIT A NOTICE OF INTENT (NOI) TO THE EPA PRIOR TO THE START OF CONSTRUCTION AND SHALL BE RESPONSIBLE FOR THE PREPARATION AND IMPLEMENTATION OF A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) MEETING
- THE REQUIREMENTS OF THE CURRENT CONSTRUCTION GENERAL PERMIT. 18. AREAS OF DISTURBANCE SHALL NOT EXCEED 5 ACRES AT A TIME. IN ORDER FOR AREAS TO BE EXCLUDED OF THIS 5 ACRE MAXIMUM, THEY MUST BE STABILIZED. AN AREA SHALL BE CONSIDERED STABLE IF ONE OF THE FOLLOWING HAS OCCURRED:
 - A. BASE COURSE GRAVELS ARE INSTALLED; B. A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED;
 - C. A MINIMUM OF 3" OF NON-EROSIVE MATERIAL SUCH AS STONE OR
- RIP RAP HAS BEEN INSTALLED; OR EROSION CONTROL BLANKET HAVE BEEN PROPERLY INSTALLED. THE APPROXIMATE AMOUNT OF MATERIAL PROPOSED TO BE EXCAVATED WITHIN THE CITY
- OF KEENE IS IS 1,771,972± CUBIC YARDS AND FOR THE TOTAL PROJECT IS 2,079,121± CUBIC YARDS. 20. WITHIN THE CITY OF KEENE, NO EXCAVATION WILL BE PERFORMED WITHIN 75' OF
- MAPPED WETLANDS, NO EXCAVATION WITHIN 250' OF MAPPED WETLANDS WITHOUT APPROVAL FROM THE PLANNING BOARD, ACCESS ROADS WITHIN 150' FROM WETLANDS WITHOUT APPROVAL FROM THE PLANNING BOARD, AND 300' OF ABUTTING PROPERTIES. WITHIN THE TOWN OF SULLIVAN. NO EXCAVATION WILL BE PERFORMED WITHIN 50' OF ABUTTING PROPERTIES THAT DISPROVE, AND 10' FROM ABUTTING PROPERTIES THAT APPROVE OF THE GRAVEL OPERATION. NO EXCAVATION SHALL BE PERMITTED WITHIN 75 FEET OF ANY GREAT POND. NAVIGABLE RIVER. OR ANY OTHER STANDING BODY OF WATER 10 ACRES OR MORE IN AREA, OR WITHIN 25 FEET OF ANY OTHER STREAM, RIVER OR BROOK WHICH NORMALLY FLOWS THROUGHOUT THE YEAR, OR ANY NATURALLY OCCURRING STANDING BODY OF WATER LESS THAN 10 ACRES, PRIME WETLANDS AS DESIGNATED IN ACCORDANCE WITH RSA 482-A:15, I OR ANY OTHER WETLAND GREATER THAN 5 ACRES IN AREA AS DEFINED BY THE WETLANDS BOARD. NO EXCAVATION SHALL BE PERMITTED CLOSER THAN 150 FEET TO AN EXISTING DWELLING OR TO A SITE FOR WHICH A BUILDING PERMIT HAS BEEN ISSUED AT THE TIME THE EXCAVATION PERMIT IS GRANTED. NO EXCAVATION SHALL BE PERMITTED PERMITTED BELOW ROAD LEVELS WITHIN 50 FEET OF THE RIGHT-OF-WAY OF ANY PUBLIC HIGHWAY AS DEFINED IN RSA 229:1 UNLESS SUCH EXCAVATION IS FOR THE PURPOSE OF SAID HIGHWAY. VEGETATION SHALL BE MAINTAINED OR PROVIDED WITHIN THE PERIPHERAL AREAS REQUIRED AS MENTIONED.
- 21. IN ORDER TO OPERATE A GRAVEL OPERATION, GRAVEL EQUIPMENT WILL BE STORED ON SITE. THIS EQUIPMENT WILL CONSIST OF, BUT NOT LIMITED TO, BULLDOZERS, LOADERS, G2 HOLDINGS, LLC HAULER, EXCAVATORS, WATER TRUCKS, AND PROCESSORS. IN ORDER TO PROVIDE THE FURTHEST SEPARATION TO ABUTTING PROPERTIES, ALL PROCESSING EQUIPMENT WILL BE CENTRALLY LOCATED.
- 22. A COPY OF THE APPROVED GRAVEL AND EARTH REMOVAL PLAN SHALL BE ON SITE AT ALL TIMES.23. PLOWED SNOW FROM THE OPERATION SHALL BE MAINTAINED AND ON SITE WITHIN THE
- 23. PLOWED SNOW FROM THE OPERATION SHALL BE MAINTAINED AND ON SITE WITHIN THE CONTAINED AREA.
 24. TRUCKS UTILIZED FOR TRANSPORT OF MATERIAL WILL CONSIST OF TRI-AXLES, 10-WHEELERS, AND TRACTOR TRAILER DUMP TRUCKS. THE ANTICIPATED MAXIMUM NUMBER OF VEHICLE TRIPS PER DAY BASED ON CURRENT PIT OPERATIONS IS 60 TRIPS
- PER DAY. 25. THE ESTIMATED PROJECT TIME FRAME WILL EXCEED FIVE YEARS. THE ANTICIPATED SCHEDULE IS EXPECTED TO START IN JANUARY 2025 AND LAST UNTIL APRIL 2038. THE APPLICANT MUST SUBMIT TO THE DEPARTMENT OF ENVIRONMENTAL SERVICES, THE CITY OF KEENE, AND THE TOWN OF SULLIVAN A WRITTEN UPDATE OF THE PROJECT AND REVISED PLANS DOCUMENTING THE PROJECT STATUS EVERY FIVE YEARS FROM THE DATE
- OF THE ALTERATION OF TERRAIN PERMIT. 26. ALL LOGS REQUIRED TO BE MAINTAINED BY THE APPLICANT/OPERATOR SHALL BE RETAINED BY THE APPLICANT FOR A PERIOD OF NOT LESS THAN 5-YEARS AND SHALL BE MADE AVAILABLE TO THE COMMUNITY DEVELOPMENT DEPARTMENT, OR ITS DESIGNATED AGENT, UPON REQUEST.
- 27. WITHIN THE TOWN OF SULLIVAN, ANY ADDITION, EXPANSION, OR ALTERATION OF AN EXISTING USE FOR WHICH A SPECIAL EXCEPTION HAD BEEN GRANTED MUST RECEIVE A NEW SPECIAL EXCEPTION IF THERE IS AN EXPANSION OF THE AREA OF THE EXISTING STRUCTURE OR EXPANSION INTO NEW LAND FOR WHICH A SPECIAL EXCEPTION HAS NOT BEEN GRANTED



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ATION AREA SHALL BE PLACE VISIBILITY OF THE FENCE FRO DD, AND SHALL REMAIN UNTIL OR BLASTING". THE GROUNDW INE DRAINAGE POTENTIAL REPO	D ALONG THE OUTS M ABUTTING PROPE PIT EXCAVATION AR ATER MONITORING F ORT. REFER TO "NO	SIDE EDGE OF T ERTIES AND PU REA HAS BEEN PROCEDURES AR ISE IMPACT COM	THE ACTIVE WOI BLIC RIGHTS-C RECLAIMED. RE FOUND IN T NTROL AND MO	RK AREA F-WAYS. HE 2024 NITORING			ING	ew 1 6	1amp 03.51	shire (8.803()	
S. SUBMITTED TO THE CITY OF PERIOD IN ACCORDANCE WITH	KEENE COMMUNITY SEC. 26.19.12 OF	DEVELOPMENT THE LAND DEVE	DEPARTMENT A ELOPMENT CODE	T LEAST			W	ww.	Grani	teEng.	com	
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811 REFERENCION 811	741446-1444-1544-1944-1444-1444-1444-1444-1444	ABUTTER LINE PROPERTY LINE EXCAVATION SETBACK LINE EXISTING EDGE OF PAVEMENT EXISTING EDGE OF GRAVEL PROPOSED EDGE OF GRAVEL WETLANDS BOUNDARY	LOCATION: KEENE TAX MAP 215 L SULLIVAN TAX MAP 5 LC 57 ROUTE 9 KEENE & SULLIVAN, NEW CHESHIRE COU
JOHN JOHN J. ST. JOHN		WETLAND BUFFER PERIOD LINE SHEETS TOWN LINE	GORDON SER KEENE
No. B21 No. B21 200 ρ 10	GRAPHIC SCALE	- - 800	OVERVIEW F
	(IN FEET) 1 inch = 200 ft.		PROJECT No. DATE: 23–0201–1 MAY 9, 2025 SHEET: 1 OF 23

BOLE BOLE No. 14744 2/3/25 CENSED CONAL ENOTITION
LOCATION: KEENE TAX MAP 215 LOTS 7 & 8 SULLIVAN TAX MAP 5 LOTS 46 & 46-1 57 ROUTE 9 KEENE & SULLIVAN, NEW HAMPSHIRE CHESHIRE COUNTY
PROJECT: GORDON SERVICES KEENE
PROJECT: GORDON SERVICES KEENE TITLE: OVERVIEW PLAN

1"=200'







LOCATION MAP

1 inch = 2000 feet

<u>Reference Plans:</u>

- A. "Steel Tape and Compass Survey of 3 Lot Subdivision for Wayne W. & Elaine Sargent, Route 9 Keene and Sullivan, NH", By Herbert E. Russell, RLS #21. Dated August, 1979. Recorded at Cheshire County Registry of Deeds Cabniet 2 Pg 94 Roll #305.
- B. "Boundary Survey: Land of Seafield Pines Hospital Corporation, Keene, Sullivan & Roxbury, County of Cheshire, State of New Hampshire" By C.T. Male Associates, P. C. Dated June, 1989. Job No. 88–05837. Not Recorded.
- C. "Charles S. and John W. Towns, "Nims" Woodlot, Keene, Nh" By William P. House, Dated May, 1965. Recorded at the Cheshire Country Registry of Deeds Plan Book 19 Pg 37.
- D. "Bolles Subdivision, 3 Lot Subdivision & Boundary Line Adjustment Map 5 Lot 42, 469 South Road, Sullivan, NH" By Cardinal Surveying & Land Planning. Recorded at the Cheshire County Registry of Deeds Plans #21048, 21049 and 21087.
- E. "Plan of Proposed T.L.R. Project No. 14201, NH Project No P-2962-C, Franklin Pierce Highway, City of Keene and Town of Roxbury, County of Cheshire.", By State of New Hampshire Department of Public Works and Highways. Dated November 16, 1956. On file and available on-line with the New Hampshire Department of Transportation, Right of Way Bureau.

<u>NOTES:</u>

S 69'32'32" W

638.48'

- 1. Owner of Record: G2 Holdings, LLC 250 North Street, Jaffrey, NH 03452.
- The Basis of Bearing is Grid. The Horizontal Datum is on the New Hampshire State Plane Coordinate System NAD83 (2011). The Vertical Datum is NAVD 88. Both horizontal and vertical datumes were derived from a static GNSS observation taken during the time of the field survey and processed using the Online Positioning User System (OPUS).
- 3. This plan is based on an updated field survey completed in January of 2025 using lGuage dual frequency RTK survey grade GNSS receivers, and a DJI Mavic 3E Drone. The survey is classified as Rural and exceeds the minimum positional tolerances for property corners (0.25') and control (0.13') computed using a least squares adjustment at the 95% confidence level.
- The property lies in the Rural Residential Zoning District in Sullivan Building Setbacks are 50 feet – front, 20 feet side and rear. The property lies in the Rural Zoning District in Keene – R. Building Setbacks are 50 feet – front, side and rear.
- 5. The wetlands shown hereon were delineated by John St. John, NH CWS #221 of Ecosystems Land Planning from August—October of 2023.
- 6. The purpose of this plan sheet is to show the current conditions of Phase I excavation as of January 22, 2025.







TAX MAP 215 LOTS 6&7 VOLUME 3079 PAGE 283 & VOLUME 3199 PAGE 1197 IN THE CITY OF KEENE, NEW HAMPSHIRE

SMITH & POSPESIL LAND SURVEYING COMPANY, PLLC 240 QUEBEC ROAD, LYMAN, N.H. 03585 JUNE 19, 2023 REVISED JULY 16, 2024

REVISED JULY 16, 2024 & JANUARY 27, 2025



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LEGEND APPROX. BUILDING LOCATION APPROX. LOCATION OF PRIVATE WELL	LOCATION: KEENE TAX MAP 215 LOTS 7 & 8 SULLIVAN TAX MAP 5 LOTS 46 & 46-1 57 ROUTE 9 KEENE & SULLIVAN, NEW HAMPSHIRE CHESHIPE COUNTY
APPROX. LOCATION OF PUBLIC WELL ABUTTER LINE PROPERTY LINE APPROX. AREA OF EXCAVATION EXCAVATION AREA RADIUS ZONE LINE VIEW PRESERVATION OVERLAY ZONE LINE TOWN LINE GRAPHIC SCALE	PROJECT: GORDON SERVICES KEENE TITLE: CONTEXT PLAN
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EXCAVATION NOTES:









- PHASING NOTES:
 1. INSTALL EROSION CONTROL MEASURES FOR PERIOD 7.
 2. BEGIN EXCAVATION IN PERIOD 7. SLOPE PIT FLOOR TO THE SOUTH. INSTALL TEMPORARY SEDIMENT BASINS AS NEEDED. DO NOT DISCHARGE SEDIMENT TO RECLAIMED AREA PERIOD 6.
 3. ONCE DEFINION 2. MIAS READOUTD FINIAL OPADIMO. DECLAIME ENTRE. ADEA
- ONCE PERIOD 7 HAS REACHED FINAL GRADING, RECLAIM ENTIRE AREA. RECLAIM GRAVEL SURFACE OF ENTIRE HAUL ROAD.
 ALL TRUCK TURNAROUND AREAS TO BE MAINTAINED UNTIL THE COMPLETION OF PERIOD 7, THEN THOSE AREAS ARE TO BE RECLAIMED.

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SEE SHEE OPERATION N
SEE SHEET 6 CONTROL NO



EXCAVATION NOTES:

KEENE PERIOD 6 – EXCAVATION AREA: 3.82 AC, EXCAVATION PERIMETER: 1,900 FT 262,692 CU.YD CUT, FEBRUARY 2031 – NOVEMBER 2032 SULLIVAN PERIOD 7 – EXCAVATION AREA: 4.06 AC, EXCAVATION PERIMETER: 1,755 FT 306,210 CU.YD. CUT, DECEMBER 2032 – DECEMBER 2034

ALL INSPECTION AND MAINTENANCE ACTIVITIES AS WELL AS ADVERSE IMPACTS IDENTIFIED DURING INSPECTIONS AND ACTIONS TAKEN TO REMEDIATE THEM SHALL BE RECORDED IN A LOG KEPT ON SITE.

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NOISE IMPACT CONTROL AND MONITORING NOTES: 1. NOISE LEVELS GENERATED FROM EXCAVATION ACTIVITIES SHALL NOT EXCEED

- BACKGROUND AMBIENT "A" WEIGHTED SOUND PRESSURE LEVEL EXCEEDED 90% OF THE TIME DURING THE SOUND LEVEL SAMPLING PERIOD, (HEREINAFTER 'DB(A) L(90)') BY MORE THAN 10 DB(A) AND IN ANY EVENT SHALL NOT EXCEED 55 DB(A) HEREINAFTER 'L(MAX)').
- MONITORING DEVICES. ALL SOUND LEVEL MONITORING DEVICES SHALL MEET AMERICAN NATIONAL STANDARDS INSTITUTE S 1.4 TYPE 1 OR 2 STANDARDS, WITH THE DEVICE SET TO 'FAST' RESPONSE. MONITORING DEVICES SHALL BE PROPERLY CALIBRATED AND MAINTAINED IN GOOD WORKING ORDER. MONITORING DEVICES SHALL INCLUDE DATA RECORDING CAPABILITIES THAT ENABLE CONTINUOUS DOCUMENTATION OF SOUND LEVELS DURING THE OPERATING DAY.
- MONITORING LOCATIONS. SOUND LEVELS SHALL BE MONITORED FROM AT LEAST 2 LOCATIONS AS DETERMINED BY THE COMMUNITY DEVELOPMENT DIRECTOR, OR THEIR DESIGNEE, WITH THE ADVICE OF OTHER CITY STAFF AND THE PLANNING BOARD'S CONSULTANT. A. IF A MONITORING LOCATION IS SELECTED AT A POINT BEYOND THE PROPERTY
- BOUNDARY, WRITTEN PERMISSION TO USE THAT LOCATION FOR MONITORING SHALL BE OBTAINED FROM THE PROPERTY OWNER OF THE MONITORING SITE. B. AS NOISE-GENERATING EQUIPMENT IS RELOCATED WITHIN THE APPROVED
- EXCAVATION PERIMETER, NEW MONITORING LOCATIONS MAY BE SELECTED TO HELP ENSURE CONTINUED COMPLIANCE WITH THE NOISE STANDARD. C. THE EXCAVATION OPERATOR SHALL MAINTAIN A LOG OF ALL MONITORING ACTIVITIES
- INDICATING THE DATE, TIME PERIOD AND LOCATION OF THE RECORDED MEASUREMENTS; THE OPERATIONS BEING PERFORMED ON THE SITE AT THE TIME OF MONITORING; THE WEATHER CONDITIONS AT THE TIME OF THE MEASUREMENT, INCLUDING TEMPERATURE, WIND DIRECTION, WIND SPEED, CLOUD COVER AND PRECIPITATION; AND THE RESULTS OF THE MONITORING, INCLUDING A GRAPH OF THE CONTINUOUS MONITORING RECORD, THE CALCULATED A WEIGHTED SOUND PRESSURE LEVEL EXCEEDED 90% OF THE MEASUREMENT TIME (HEREINAFTER 'DB(A) L(90)') AND THE CALCULATED MAXIMUM DB(A) SOUND LEVEL (HEREINAFTER 'L(MAX)').
- AMBIENT SOUND LEVELS: THE BACKGROUND AMBIENT SOUND LEVELS SHALL BE MEASURED PRIOR TO THE COMMENCEMENT OF THE INITIAL OPERATION. A. THE BACKGROUND SOUND LEVELS SHALL BE MEASURED ON THE DB(A) SCALE, BY RECORDING CONTINUOUS MEASUREMENTS DURING PROPOSED OPERATING HOURS
- OVER 5 CONSECUTIVE BUSINESS DAYS PRIOR TO THE COMMENCEMENT OF SITE PREPARATION ACTIVITIES, AND CALCULATING THE DB(A) L(90) FOR THE ENTIR MONITORING PERIOD. SUCH MEASUREMENTS SHALL BE PERFORMED BY A HAZARDOUS AND TOXIC SPILL RESPONSE NOTES: CONSULTANT HIRED BY THE PLANNING BOARD AT THE APPLICANT'S EXPENSE.
- B. THE APPLICANT/OPERATOR MAY REQUEST THAT THE BACKGROUND SOUND LEVEL BE RE-MEASURED. SUCH RE-MEASUREMENT SHALL BE DONE AT A TIME SELECTED BY 2. THE COMMUNITY DEVELOPMENT DIRECTOR IN CONSULTATION WITH THE APPLICANT AND A CONSULTANT HIRED BY THE PLANNING BOARD TO PERFORM THE MEASUREMENT AT THE APPLICANT'S EXPENSE.
- ONGOING MONITORING: THE APPLICANT SHALL MONITOR AT THE SELECTED MONITORING LOCATIONS THE SOUND LEVELS GENERATED BY THE OPERATION, AS FOLLOWS. A. ON AN ANNUAL BASIS, AT A TIME SELECTED BY THE COMMUNITY DEVELOPMENT DIRECTOR, PREVENT SPILLS AND OVERFILLING.

IN CONSULTATION WITH THE APPLICANT, SOUND LEVELS SHALL BE MONITORED AND RECORDED CONTINUOUSLY DURING OPERATING HOURS FOR A PERIOD OF NOT LESS THAN 20 CONSECUTIVE OPERATING DAYS. MONITORING SHALL BE MADE USING THE DB(A) SCALE AND THE DB(A) L(90) DURING THE OPERATING HOURS FOR EACH DAY AND THE L(MAX) SOUND LEVEL THROUGHOUT EACH DAY SHALL BE CALCULATED AND ENTERED INTO A NOISE MONITORING LOG MAINTAINED BY THE APPLICANT.

- B. AT ANY TIME WHEN NEW OR ADDITIONAL NOISE GENERATING EQUIPMENT IS PLACED INTO OPERATION FOLLOWING THE INITIAL 20-DAY MONITORING PERIOD, OR WHEN NOISE GENERATING EQUIPMENT IS RELOCATED WITHIN THE APPROVED EXCAVATION PERIMETER, SOUND LEVELS SHALL ALSO BE MONITORED CONTINUOUSLY AND RECORDED DURING OPERATING HOURS FOR A PERIOD OF NOT LESS THAN 5 CONSECUTIVE OPERATING DAYS. THE DB(A) L(90) DURING THE OPERATING HOURS FOR EACH DAY AND THE L(MAX) SOUND LEVEL THROUGHOUT EACH DAY SHALL BE CALCULATED AND ENTERED INTO A NOISE MONITORING LOG MAINTAINED BY THE APPLICANT.
- C. WHEN NEW OR ADDITIONAL NOISE GENERATING EQUIPMENT OR ACTIVITIES INCLUDING BUT NOT LIMITED TO DRILLING OR BLASTING ACTIVITIES WERE NOT MEASURED DURING THE INITIAL 20-DAY MONITORING PERIOD AND ARE TO BE USED ONLY FOR SHORT DURATIONS RANGING FROM A PERIOD OF HOURS TO SEVERAL DAYS, NOT EXCEEDING 5 OPERATING DAYS, SOUND LEVELS SHALL BE MONITORED AND RECORDED CONTINUOUSLY FOR THE DURATION OF THE ACTIVITIES.
- D. IN THE EVENT THAT THE MEASUREMENTS EXCEED THE NOISE STANDARDS IN THIS ARTICLE, THE APPLICANT SHALL BRING THE OPERATION INTO COMPLIANCE BY REDUCING THE NUMBER OF SOUND SOURCES CONTRIBUTING TO THE SOUND LEVEL, BY RELOCATING EQUIPMENT ON THE SITE, BY ADDING NOISE ATTENUATING STRUCTURES AROUND OR ATTACHMENTS TO THE EQUIPMENT, OR BY TAKING WHATEVER OTHER ACTIONS MAY BE NECESSARY TO BRING THE OPERATION INTO COMPLIANCE.
- a)ANY CORRECTIVE ACTION TAKEN SHALL BE CLEARLY DESCRIBED IN THE NOISE MONITORING LOG ALONG WITH A RECORD OF THE NOISE LEVEL MEASUREMENTS BEFORE AND AFTER SAID CORRECTION.
- b)ADDITIONAL NOISE LEVELS SHALL BE MONITORED FOR NO LESS THAN 5 CONSECUTIVE DAYS AFTER THE CORRECTIVE ACTION IS TAKEN.
- COMPLAINTS REGARDING THE LEVEL OF NOISE GENERATED FROM EXCAVATION OPERATIONS SHALL BE RESOLVED PER THE PROCEDURES OUTLINED IN 24.3.15.E OF THE CITY OF KEENE LAND DEVELOPMENT CODE.

1. SPILL CONTROL PRACTICES ARE OUTLINED IN THE STORMWATER POLLUTION PREVENTION PLANS (SWPPP) THE CHEMICALS EMPLOYED ON-SITE WILL VARY THROUGHOUT THE EXCAVATION PROCESS, PRIMARILY CONSISTING OF PETROLEUM-BASED OILS, LUBRICANTS, AND GASOLINE-BASED FUELS. THESE SUBSTANCES MUST BE STORED SECURELY IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND MUST BE ACCOMPANIED BY MATERIAL SAFETY DATA SHEETS AND SPILL RESPONSE MATERIALS. 3. STRICT PRECAUTIONS MUST BE TAKEN DURING ON-SITE FUELING OPERATIONS TO

SEE SHEET 1 FOR OPERATION NOTES (TYP.)

SEE SHEET 4 FOR EROSION CONTROL NOTES (TYP.)

MATCH TO SHEET 11, 16

<u>DUST CONTROL & MONITORING NOTES:</u>

- THE SITE SHALL OPERATE IN A MANNER THAT PREVENTS FUGITIVE DUST EMISSIONS PUSUANT TO NEW HAMPSHIRE CODE OF ADMINISTRATIVE RULES ENV-A 1002, FUGITIVE DUST
- 2. DUST CONTROL PRACTICES ARE OUTLINED IN THE STORMWATER POLLUTION PREVENTION PLANS (SWPPP). 3. DUST CONTROL ACTIVITIES AND DEVICES SHALL BE INCORPORATED INTO THE EXCAVATION OPERATION, ON THE SITE AND ON THE ACCESS DRIVEWAY, IN A MANNER THAT MINIMIZES
- GENERATION OF AIRBORNE DUST OR TRANSPORTATION OF DUST OR MUD OFF THE SITE ONTO THE ADJACENT ROADWAYS. A. VISUAL MONITORING OF AIRBORNE DUST SHALL BE DONE ON AN ONGOING BASIS.
- B. DUST CONTROL MEASURES SUCH AS APPLYING WATER TO ACCESS DRIVEWAYS AND OTHER AREAS WITHIN THE EXCAVATION PERIMETER, WASHING DIRT FROM TRUCK TIRES, OR OTHER MEASURES AS MAY BE DEEMED NECESSARY, SHALL BE EMPLOYED TO MINIMIZE THE GENERATION OF AIRBORNE DUST, AND/OR THE TRANSPORTATION OF DIRT/MUD OFF THE SITE ONTO ADJACENT ROADWAYS.
- C. DUST CONTROL WILL BE ACCOMPLSHED USING A TRUCK-MOUNTED WATER TANK AND SPRAY SYSTEM AS NEEDED.
- D. INSPECTION OF ACCESS DRIVEWAY STABILIZED CONSTRUCTION ENTRANCES AND OTHER EROSION CONTROL MEASURES, DESIGNED TO ELIMINATE THE DEPOSIT OF DUST OR MUD ONTO PUBLIC STREETS, SHALL BE CONDUCTED ON A WEEKLY BASIS TO ENSURE PROPER FUNCTIONING. MAINTENANCE OF THESE ENTRANCES SHALL BE PERFORMED AS NECESSARY AND ANY DIRT OR MUD DEPOSITED ON PUBLIC STREETS SHALL BE REMOVED.
- E. THE APPLICANT SHALL MAINTAIN A LOG DOCUMENTING DUST CONTROL ACTIVITIES, INSPECTION AND MAINTENANCE OF DUST AND DIRT CONTROL STRUCTURES AND DEVICES. AND CLEAN UP OF DIRT DEPOSITED ON ROADWAYS LEADING FROM THE SITE. THE OPERATION AND MAINTENANCE MANUAL, LOCATED WITHIN THE STORMWATER MANAGEMENT REPORT, SHALL BE USED FOR INSTURCTIONS OF HOW TO INSPECT AND MAINTAIN EROSION AND SEDIMENT CONTROL PRACTICES.

FUELING NOTES:

- FUELING AND MAINTENANCE OF EQUIPMENT OR VEHICLE PRACTICES ARE OUTLINED IN THE DEICING NOTES: STORMWATER POLLUTION PREVENTION PLANS (SWPPP). 2. FUELS AND REGULATED SUBSTANCES WILL BE STORED IN A SEALED AND CLEARED
- LABELED CONTAINER WITHIN THE ENCLOSED CHEMICAL STORAGE AREA. 3. THE ENCLOSED CHEMICAL STORAGE AREA WILL BE STABLE, LEVEL AND IMPERVIOUS.
- 4. SECONDARY CONTAINMENT WILL BE PROVIDED FOR FUELING ACTIVITIES ON SITE.
- 5. MOBILE FUELING WILL BE USED DURING EXCAVATION ACTIVITIES. 5. ALL FUELING AND STORAGE OF FUELS ON SITE WILL COMPLY WITH STATE AND FEDERAL REQUIREMENTS. 7. EMPLOYEES WHO PARTAKE IN FUELING ACTIVITIES SHALL BE TRAINED ON SPILL
- PREVENTION AND CONTROL. 8. ANY SPILL THAT IS: 25 GALLONS OR MORE, NOT IMMEDIATELY CONTAINED, REMOVED
- WITHIN 24-HRS, A POTENTIAL SURFACE WATER OR GROUNDWATER IMPACT, SHALL BE REPORTED TO NHDES AT (603) 271-3899 OR STATE POLICE AT (603) 223-4381. 9. CONTAMINATED SOILS OR MATERIALS SHALL BE STORED AND DISPOSED OF IN ACCORDANCE WITH ALL STATE AND FEDERAL REQUIREMENTS. CONTACT NHDES HAZARDOUS WASTE MANAGEMENT BUREAU'S COMPLIANCE SECTION AT (603) 271-2942
- FOR INFORMATION REGARDING HAZARDOUS MATERIALS. 10. THE CHEMICAL STORAGE AREA SHALL BE KEPT LOCKED WHEN NOT IN USE.
- 11. ALL FUELING RELATED ACTIVITIES SHALL BE AT LEAST 50' AWAY FROM ANY CATCH BASIN OR SURFACE WATER.

SUBSURFACE DATA DEPTH PROPOSED EXISTING LEDGE GROUND GRADE GROUN 854.5 NONE TO 867. 878 854.5 NONE TO 863.0 T-2 872 855.5 NONE TO 858.0 TP-3 874.5 870 TP-4 NONE TO 859.5 882 876 NONE TO 869.0 TP-5887 TP-6 887 NONE to 873.0 893 893 TP-7 881 916 916 TP-8 913 927 927 918 TP-9 TP-10 910 910 904.5 TP-11 881 865 867 875 875 867 TP-12 TP-13 882 882 876 903 903 TP-14 897 942 942 936 TP-15 980 980 TP-16 975 874 865 NONE TO 853.5 SIR-1 SLR-2 894 894 889 867 SLR-3 852 NONE TO 842 888 888 873 SLR-4 890 886 SLR-5 862 920 920 SIR = 6910 884 854 NONE TO 829.0 SLR-10 871.5 855 SLR-11 NONE TO 795.5 NONE T 888.5 888.5

SUBSURFACE DATA FROM TEST PIT, BORING, AND WELL INSTALLATION LOG CONTAINED IN THE LIMITED GEOHYDROLOGIC INVESTIGATION BY SLR INTERNATIONAL CORPORATION, DATED MARCH 25, 2022.

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SLR-12

A. RECORDS FOR TRACKING THE USE OF SALT AND OTHER DEICERS FOR EACH STORM EVENT SHALL BE MAINTAINED UNTIL ALL AREAS HAVE BEEN RECLAIMED. THE DEICING APPLICATION RATE GUIDELINES SHALL FOLLOW THE RECOMMENDATIONS IN THE NH STORMWATER MANUAL: VOLUME 2, LATEST EDITION.

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THE SITE SPECIFIC SOIL SURVEY (SSSS) WAS PRODUCED JULY 15, 2024, AND WAS PREPARED BY LUKE HURLEY, CSS #095M, HURLEY ENVIRONMENTAL AND LAND PLANNING, LLC. SOILS WERE IDENTIFIED WITH THE NEW HAMPSHIRE STATE-WIDE NUMERICAL SOILS LEGEND, USDA NRCS, DURHAM, NH. ISSUE #10, JANUARY 2011. THE NUMERIC LEGEND WAS AMENDED TO IDENTIFY THE CORRECT SOIL COMPONENTS OF THE COMPLEX. 200 HYDROLOGIC SOIL GROUP FROM KSAT VALUES FOR NEW HAMPSHIRE SOILS, SOCIETY OF SOIL SCIENTIST OF NEW ENGLAND, SPECIAL PUBLICATION NO. 5, SEPTEMBER, 2009. HYDROLOGIC SSSM SYM. SSS MAP NAME HISS SYM. SOIL GRP. 321 168 SUNAPEE 61 TURNBRIDGE LYMAN ROCK OUTCROP 224/227 92 LYMAN SLOPE PERIOD: 0-8% B 25% D 25%+ E	TO DWATER -	Image: State of the state	ENGINEERING civil engineering • land planning • municipal services 150 Dow Street, Tower 2, Suite 421 Manchester, New Hampshire 03101 603.518.8030 www.GraniteEng.com
200 HYDROLOGIC SOIL GROUP FROM KSAT VALUES FOR NEW HAMPSHIRE SOILS, SOCIETY OF SOIL SCIENTIST OF NEW ENGLAND, SPECIAL PUBLICATION NO. 5, SEPTEMBER, 2009. HYDROLOGIC SSSM SYM. SSS MAP NAME HISS SYM. SOIL GRP. 168 SUNAPEE 61 TURNBRIDGE LYMAN ROCK OUTCROP 224/227 92 LYMAN SLOPE PERIOD: 0-8% B 0-8% B 8-15% C 157 25%+ E	TO DWATER -	It B1 Output B1 Output Output B1 Output Output B1 Output Output B2 COLTON GRAVELLY SANDY LOAM, RATED A G0 TUNBRIDGE-BERKSHIRE COMPLEX, RATED C G1 TUNBRIDGE-LYMAN-ROCK OUTCROP COMPLEX, RATED C G3 BERKSHIRE FINE SANDY LOAM, RATED B F7 MARLOW FINE SANDY LOAM, VERY STONY, RATED C G11 LYMAN-TUNBRIDGE-ROCK OUTCROP COMPLEX, RATED D G13 SUNAPEE FINE SANDY LOAM, RATED C G14 LYMAN-TUNBRIDGE-ROCK OUTCROP COMPLEX, RATED D G15 SUNAPEE FINE SANDY LOAM, RATED C G16 SUNAPEE FINE SANDY LOAM, RATED C G17 MARLOW FINE SALTERATION COMPLEX, RATED D G18 SUNAPEE FINE SANDY LOAM, RATED C G19 SUNAPEE FINE SANDY LOAM, RATED C G19 SUNAPE FINE SALTERATION COMPLEX, RATED C G19 SUNAPE FINE SANDY LOAM, RATED C G19 SUNAPE FINE SALTERATION COMPLEX, STANDARDS OF HE NATONAL COOPERATIVE SOL SURVEY, IT IS A SPECIAL PURPOSE PRODUCT, INTENDED FOR INFILTRATION REQUIREMENTS SURP PROFESSIONAL SOL SOL SURVEY, IT IS A SPECIAL PURPOSE PRODUCT, SUNTHIN THE TECHNICAL STANDAR	ENGINEERING civil engineering • land planning • municipal services L50 Dow Street, Tower 2, Suite 421 Manchester, New Hampshire 03101 .603.518.8030 www.GraniteEng.com STAMP VWW.GraniteEng.com STAMP VIEW HAMP STAMP VIEW HAMP ST
168 SUNAPEE 321 B 61 TURNBRIDGE LYMAN ROCK OUTCROP 224/227 C 92 LYMAN 224 D SLOPE PERIOD: 0-8% B 8-15% C 15-25% D 25%+ E	TO DWATER -	AND	ENGINEERING civil engineering • land planning • municipal services 150 Dow Street, Tower 2, Suite 421 Manchester, New Hampshire 03101 603.518.8030 www.GraniteEng.com STAMP: UNAL ENGINE CENSE ONAL ENGINE SULLIVAN TAX MAP 215 LOTS 7 & 8 SULLIVAN TAX MAP 5 LOTS 7 & 8 SULLIVAN, NEW HAMPSHIRE CHESHIRE COUNTY
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TUNBRIDGE-LYMAN-ROCK OUTCROP COMPLEX, RATED C
BERKSHIRE FINE SANDY LOAM, RATED B
MARLOW FINE SANDY LOAM, VERY STONY, RATED C
LYMAN-TUNBRIDGE-ROCK OUTCROP COMPLEX, RATED D
SUNAPEE FINE SANDY LOAM, RATED C

SITE SPECIFIC SOIL SURVEY NOTES: THIS MAP PRODUCT IS WITHIN THE TECHNICAL STANDARDS OF THE NATIONAL COOPERATIVE SOIL SURVEY. IT IS A SPECIAL PURPOSE PRODUCT, INTENDED FOR INFILTRATION REQUIREMENTS BY THE NH DES ALTERATION OF TERRAIN BUREAU. IT WAS PRODUCED BY A PROFESSIONAL SOIL SCIENTIST, AND IS NOT A PRODUCT OF THE USDA NATURAL RESOURCES CONSERVATION SERVICE. THERE IS A REPORT THAT ACCOMPANIES THIS MAP.

THE SITE SPECIFIC SOIL SURVEY (SSSS) WAS PRODUCED JULY 15, 2024, AND WAS PREPARED BY LUKE HURLEY, CSS #095M, HURLEY ENVIRONMENTAL AND LAND PLANNING, LLC.

SOILS WERE IDENTIFIED WITH THE NEW HAMPSHIRE STATE—WIDE NUMERICAL SOILS LEGEND, USDA NRCS, DURHAM, NH. ISSUE #10, JANUARY 2011. THE NUMERIC LEGEND WAS AMENDED TO IDENTIFY THE CORRECT SOIL COMPONENTS OF THE

HYDROLOGIC SOIL GROUP FROM KSAT VALUES FOR NEW HAMPSHIRE SOILS, SOCIETY OF SOIL SCIENTIST OF NEW ENGLAND, SPECIAL PUBLICATION NO. 5, SEPTEMBER, 2009.

SSS MAP NAME	HISS SYM	SOIL CRP
	704	
SUNAPEE	321	В
TURNBRIDGE LYMAN ROCK (OUTCROP 224/227	С
I YMAN	224	D
		2

SLOPE PERIOD: 0-8% B 8-15% C 15-25% D 25%+ E

						GRANITE ENGINEERING civil engineering land planning municipal services						
	ВΥ	ŋ	٩	ŋ								
REVISIONS	COMMENTS	PROJECT SUBMITTAL	REVISED PER CITY COMMENTS	REVISED PER CITY COMMENTS								
	ATE	20/24	3/25	9/25								
	No. D.	1 12/:	2 2/;	3 5/9								
OWNER/APPLICANT:	OWNER/THE SC HOLDINGS, LLC C HOLININ, LLC C HOLDINGS, LLC C HOLDINGS, LLC C HO											
	STAMP:											
LOCA K SUI KEE	LOCATION: KEENE TAX MAP 215 LOTS 7 & 8 SULLIVAN TAX MAP 5 LOTS 46 & 46-1 57 ROUTE 9 KEENE & SULLIVAN, NEW HAMPSHIRE CHESHIRE COUNTY											
PROJECT: GORDON SERVICES KEENE												
	MP MC	PA DN	C 117	T FC	C()R		NT IG	R P	OI L/		& 1	
PROJE 23–0 SHEE	ECT 1)201 T:	No. -1	Д Д З	ATI AY C	∃: 9, 1	202	25			S + 1	CA IOR "=	LE: IZ. 50'

HYDROLOGIC			
<u>SSSM_SYM.</u>	SSS MAP NAME	HISS SYM.	<u>SOIL GRP.</u>
168	SUNAPEE	321	В
61	TURNBRIDGE LYMAN ROCK OUTCROP	224/227	С
92	LYMAN	224	D
SLOPE PERIOD	: 5% C 15-25% D 25%+ E		

SULL OF MEN AMARINE	
No. 095/5 4	

<u>.</u> <u>LE(</u>	<u>GEND</u>				ACID ROCK DRAINAGE	(ARD) MON	ITORING	ON-SITE	WATER C	<u>UALITY N</u>
Č /V –		ABUTTER LI	NE		LOCATION TESTING M			1. PH, SPECIFIC OXYGEN AND	CONDUCTANCE, TURBITY AND LA	OXIDATION, REDE
		PROPERTY I	LINE	SLR	-10 APRIL & OC		BI-ANNUALLY	BE TESTED AT	DING; ARSENIC, EACH LOCATIO	COPPER, IRON, N
		EXISTING E	DGE OF PAVEMENT	SLR	-12 APRIL & OC	CTOBER	BI-ANNUALLY	-		
szara	revenues are and a construction of the constru	EXISTING E	GE OF GRAVEL	BR	-1 APRIL & OC	CTOBER	BI-ANNUALLY	<u>INITIAL_R</u>	<u> XESPONSE</u>	ACTION
	· · <u> </u>	WETLANDS	BOUNDARY	BR·	-2 APRIL & OC	CTOBER	BI-ANNUALLY	IF A SURFACE AN	ID/OR GROUND	VATER SAMPLING
1 252v2e	revenue are and a constance	PROPOSED	EDGE OF GRAVEL	BR	-3 APRIL & OC		BI-ANNUALLY	THE FOLLOWING IN	MEDIATE INITIAI	L RESPONSE AC
		EX. TREELINE	Ξ	BR		CTOBER	BI-ANNUALLY	BEDROCK SU MATERIAL. T	JRFACES SHALL HE COVER MATE	BE EXPEDITIOUS
		EX. MAJOR	CONTOUR	BR	-6 APRIL & OC	CTOBER	BI-ANNUALLY	BE COMPACT SURFACE WA	TED IN 1-FOOT	LIFTS. THE INTER WITH THE SOURC
		EX. MINOR		BR·	-7 APRIL & OC	CTOBER	BI-ANNUALLY	2. ANY DOWNSL ARMORED WI	_OPE AFFECTED	DRAINAGES WHI 2-INCH MINUS,
		TEST PIT		BR	-8 APRIL & OC		BI-ANNUALLY	3. THE FREQUE TO A QUART	NCY OF SURFAC TERLY BASIS.	E WATER AND
		MONITORING	WELL	5₩			START OF PERIOD 8	4. ALL SURFAC WITHIN 2-WE	E WATER WITHIN EEKS OF THE IN	12-MILE DOWN
	^{sws} ⊗	SURFACE W	ATER SAMPLE LOCATION	SWS	S-2 APRIL & OC	CTOBER	BI-ANNUALLY AFTER START OF PERIOD 1	5. SAMPLING OI DRAINAGE P	F ALL DOMESTIC ARAMETERS WILI	⇒ WATER SUPPLY ∟ OCCUR WITHIN
	GRAPHIC S	CALE		SWS	S-3 APRIL & OC	CTOBER	BI-ANNUALLY AFTER START OF PERIOD 21	ON A QUART	CID MINE DRAIN	AGE IS DETECTE
	125 	250	500	SWS	G-4 APRIL & OC	CTOBER	BI-ANNUALLY AFTER		V, UNIMPACTED,	DOMESTIC WATE
				SWS	G-5 APRIL & OC	CTOBER	BI-ANNUALLY AFTER	WILL BE INI	TIATED.	OUALITY ASSES
	(IN FEET)) . ft					START OF PERIOD 8		E (3) MONITORI	NG WELLS; ONE THE AFFECTED
								DETE B. GRO	RMINE THE HOR	IZONTAL AND VI PLES WILL BE C
SULLIVAN			MONITORING LOCATION	FREQUE	NCY			ACID SAMF	MINE DRAINAGE	I PARAMETERS I JR 2-WEEKS AF
7			SLR-10	MONTH	ILY			SAMF	PLED ON A QUA	RTERLY BASIS I
ر از			SLR-11	MONTH	ILY					
			SLR-12	MONTH						
· · · · · · · · · · · · · · · · · · ·		(10 1s	MW-4	MONTH			OF	H-SITE WAT	LR QUALI	IY MONIT
\`````````````````````````````````````	- / , ' , ' (') / · · · · · · · · · · · · · · · · ·		BR-7	MONTH	ILY		1. LA 2. NO	DTIFICATIONS WILL BE	2 MILE OF THE . MADE TO LANI RING	DOWNERS WITH 1
	۱۱، ۱۱, ۲٫۲٫۲٫۲٫۶ ۱۱, ۱٫٫۲٫۲٫۲٫۲٫۲٫۶		BR-8	MONTH			3. TV ∡ ≤2	WO ROUNDS OF SAMP	LING WILL OCCU	JR A MINIMUM O
	جزار جزری می جر مرجم مالی از آلی کا می جر مرجم		SWS-6				5. RE	SULTS WILL BE SENT	T TO THE LAND	OWNER, THE CI
040	، (/ / /)) (/ ```````````````````````		SWS-8	MONTH			6. BI 7. BI	-ANNUAL BASIS OF -ANNUAL BASIS OF	WELLS DURING WELLS TWO (2)	THE TERM OF THE YEARS FOLLOW
	VAN		SWS-9	MONTH	ILY		RI 4. S/	ECLAMATION. AMPLES WILL BE ANA	LYZED FOR VOL	ATILE ORGANIC
			SWS-10	MONTH	ILY		5. RE	ESULTS WILL BE SENT ADVERSE IMPACTS	TO THE LAND	OWNER, THE CI
			SWS-11	MONTH	ILY		6. DF 7. IF	RINKING WATER RESU ADVERSE IMPACTS A	LTS WILL BE CO ARE NOTED, THE	MPARED TO THE
1010		<u>* ****</u> r / ? ; []]	AMD F	ORMATION S	TANDARDS		8. NI 9. IF	MONITORING INDICAT	ES THE EXCAVA	TION ACTIVITIES
	مار را مرار مرار را ۱۱/۱۰ مرکز کر در	⊕\$WS−9	ANALYTE		<u>STANDARD</u>	_	WI TH 10 CC	HAT HAS NOT BEEN I	MPACTED BY CO	DIT RETAINED FO
		2 Milling, <i>Club</i>	OXIDATION REDUCTION	POTENTIAL	NO STANDARD					
		<i>≚</i>	DISSOLVED OXY	GEN	75%/5 mg/L		BES ALL A	CTIVITIES RELATED TO	O BLASTING SH	ALL FOLLOW BES
					10 NTU (BEYOND		GROUN	NDWATER INCLUDING NG AND LOADING PR	PREPARING, REV OCEDURES; OBS	IEWING AND FOL
990.	S 1 900		TURBIDITY		CONDITIONS)		HANDI	ING AND STORAGE C)F BLASTED ROC	Ж.
		the Mr.	pH		6.0 SU		(1) L F	OADING PRACTICES.	THE FOLLOWING	BLASTHOLE LOA
		·			5 μg/L		(a) DRILLING LOGS S SHALL INDICATE	HALL BE MAINT	AINED BY THE D NGTHS OF VOID
	NA V		IRON		300 µg/L		,	AS WELL AS GRO	OUNDWATER CON	DITIONS. IF A FI THAT LOCATION.
MW-2			MANGANESE		300 μg/L		(TO THE DELIVER	Y VEHICLE, OR	PLACED IN SECU
<u> </u>			NICKEL		100 µg/L		(E VEHICLE FOR	HANDLING OR P
940			LEAD		15 µg/L			OVERNIGHT, UNL	ESS WEATHER C	R OTHER SAFET
930	A M		nIG	SAFF			(e) LOADING EQUIPM HANDLED IN A M	ENT SHALL BE	CLEANED IN AN REVENTS RELEA
							(f) EXPLOSIVES SHA DETONATION. INE	LL BE LOADED DUSTRY ACCEPT	TO MAINTAIN GO
					\backslash		(2) E	BE ATTENDED TO EXPLOSIVE SELECTION). I. THE FOLLOWIN	G BMPS SHALL
		(1)					(CONTAMINATION WHE	N EXPLOSIVES A	RE USED: SELECTED THA
		930					(EXPLOSIVE PROD CONDITIONS PRE 	UCTS SHALL BE	. SELECTED THA ZE THE POTENTI
Anna 1900 Barris		920		\sim			(3) F (4) M	PREVENTION OF MISFIN NUCK PILE MANAGEME	RES. APPROPRIA ENT. MUCK PILE	TE PRACTICES S S (THE BLASTED
		910-1/1		\land	LI L		T (0 REDUCE THE POTE a) REMOVE THE MU	NTIAL FOR CON CK PILE FROM	TAMINATION BY THE BLAST ARE
		20					(b) MANAGE THE INT WELLS OR SURF	TERACTION OF B	LASTED ROCK P
-1			UNDERGROUME	11 DEE PREVE	μ,		(5) S	SPILL PREVENTION ME	ASURES AND SI	PILL MITIGATION. ASE OF FUEL AN
	880		-ovD	DAMA			S (a) THE FUEL STORA	MINIMUM: AGE REQUIREMEN	ITS SHALL INCLU
				TF				2. SECURE STO	ORAGE AREAS	AGAINST UNAUTH
	2					FSHWT	-	4. INSPECT ST	ORAGE AREAS	WEEKLY. NERS IN OUTSIDI
	Contraction of the second seco	The second second	TP-1 98	86.0	3.1' NONE FOUND	NONE FOU	IND	6. WHEREVER SURFACE	POSSIBLE, KEEP WATER AND STC	REGULATED CO RM DRAINS, 75
		Mar &	TP-2 92 TP-3 11	26.0 80.0	NONE NONE FOUND	20" NONE FOU	IND	400 FEET F 7. SECONDARY	ROM PUBLIC WE	ILLS. IS REQUIRED FO
		- Saha	TP-4 11	58.0	NONE NONE FOUND	32"			₹ ON PREMISE U JND OR UNDERG	ROUND STORAGE
			TP-6 88	30.0 37.0	873.0 NONE FOUND	NONE FOU		a) THE FUEL HANDL 1. EXCEPT WH	ING REQUIREMEN	NTS SHALL INCL
	Mint				LIRDEN WELLS			2. PLACE DRIP 3. HAVE SPILL 4. LISE FLINNE	CONTROL AND	CONTAINMENT E
			WELL				(5. PERFORM T a) THE TRAINING OF	RANSFERS OF R	EGULATED SUBS
		EAVI	MW-1	950	0.0 3.3' NONE	E FOUND	(WHAT TO DO IN b) FUELING AND MA	THE EVENT OF	A SPILL OF REC EXCAVATION, EA
			MW-2 M3-3	944 1052	4.0 12' NONE 2.0 14.2' NONE	FOUND FOUND	· · · · · ·	COMPLY WITH TH MANAGEMENT PR	HE REGULATIONS	OF NHDES [NC
		TIE	MW-4	110	3.0 3.1' NONE			SUCCESSOR DOC	UMENT.]	
			MW-5 MW-6	119	2.0 <u>5</u> NONE 2.0 <u>0.9'</u> NONE	FOUND				
ILE STULL			MW-7 MW-8	1178	8.0 <u>1.9'</u> NONE 2.0 <u>1.1'</u> NONF	FOUND FOUND				
		af - f	Well Ground	Bedrock	Depth/Bottom Proposed P	it Groundwate	er	LOG	GROUND	GRADE
		TATS	Elevation (ft AMSL	n Depth L) (feet)	Elevation Floor (feet/ ft Elevation	Elevation (ft AMSL)		SLR-4	888.0	880.0
			BRW-1 950	3	AMSL) (ft AMSL) 54/896 950	DRY	_	SLR-10	884.0 871.5.0	855.0 855.0
			BRW-2 944 BRW-3 1052 BRW-4 1.103	14 3	51/1,001 1,050 81/1,022 1.098	DRY DRY	4	SLR-12	885.0*	885.0
			BRW-5 1,112 BRW-6 1,192	3	141/971 1,098 142/1,050 1,098	DRY DRY		SUBSURFAC	IN THE LIMITED	IEST PIT, BORIN GEOHYDROLOGI
			BRW-7 1,178 BRW-8 1,182	1.9 1	141/1,037 1,098* 141/1,041 1,098*	1,177.04 1,179.16	_	INTERNATIO * ELEVATIO	NAL CORPORATI	UN, DATED MAR JRRENT SURVEY

*Well is located outside of project area. The pit floor elevation that is noted is the proposed elevation

of the nearest excavation.

ITE WATER QUALITY MONITORING NOTES (ARD MONITORING)

CIFIC CONDUCTANCE, OXIDATION, REDECTION POTENTIAL, DISSOLVED AND TURBITY AND LABRATORY ANALYSIS OF DISSOLVED AND TOTAL NCLUDING; ARSENIC, COPPER, IRON, MAGNESE, NICKEL AND LEAD WILL

<u>L RESPONSE ACTION – AMD DETECTION</u>

CE AND/OR GROUNDWATER SAMPLING LOCATION PRESENTS RESULTS THAT ARE INDICATIVE OF THE OF ACID MINE DRAINAGE, NHDES AND THE CITY OF KEENE WILL BE NOTIFIED IMMEDIATELY. FURTHERMORE, ING IMMEDIATE INITIAL RESPONSE ACTIONS WILL BE IMPLEMENTED. TIVE QUARRYING/MINING OPERATIONS OCCURRING IN THE AFFECTED AREA WILL CEASE AND EXPOSED CK SURFACES SHALL BE EXPEDITIOUSLY RESTORED TO HAVE A MINIMUM THICKNESS OF 3-FEET OF COVER AL. THE COVER MATERIAL SHALL CONSIST OF A MINIMUM OF 30% CLAY CONTENT. COVER MATERIAL SHALL MPACTED IN 1-FOOT LIFTS. THE INTENT OF THE CLAY CONTENT AND COMPACTION IS TO LIMIT AIR AND E WATER CONTACT WITH THE SOURCE OF THE ACID MINE DRAINAGE. OWNSLOPE AFFECTED DRAINAGES WHICH MAY BE CONTRIBUTING/CONVEYING ACID MINE DRAINAGE SHALL BE ED WITH 1-FOOT OF 2-INCH MINUS, CRUSHED, LIMESTONE GRAVEL. REQUENCY OF SURFACE WATER AND GROUNDWATER MONITORING FOR ACID MINE DRAINAGE WILL BE INCREASED

IRFACE WATER WITHIN 1/2-MILE DOWNGRADIENT OF THE DETECTED ACID MINE DRAINAGE SHALL BE SAMPLED 2-WEEKS OF THE INITIAL DETECTION AND BE INCLUDED IN THE SURFACE WATER MONITORING PROGRAM. NG OF ALL DOMESTIC WATER SUPPLY WELLS WITHIN ½-MILE OF THE AFFECTED AREA FOR ACID MINE AGE PARAMETERS WILL OCCUR WITHIN 2-WEEKS OF THE INITIAL DETECTION AND CONTINUE TO BE SAMPLED

IF ACID MINE DRAINAGE IS DETECTED IN A DOMESTIC WATER SUPPLY WELL THE HOMEOWNER SHALL BE OFFERED TO HAVE A "POINT-OF-USE" WATER TREATMENT SYSTEM INSTALLED AND MAINTAINED WHILE A NEW, UNIMPACTED, DOMESTIC WATER SUPPLY IS MADE AVAILABLE AT NO COST TO THE HOMEOWNER. JNDWATER QUALITY ASSESSMENT IN THE AREAS ADJACENT TO THE DETECTED ACID MINE DRAINAGE

THE GROUNDWATER QUALITY ASSESSMENT SHALL INCLUDE THE INSTALLATION OF A MINIMUM OF THREE (3) MONITORING WELLS; ONE UPGRADIENT OF THE AFFECTED SURFACE WATER, AND TWO DOWN-GRADIENT OF THE AFFECTED SURFACE WATER. ADDITIONAL MONITORING WELLS MAY BE REQUIRED TO DETERMINE THE HORIZONTAL AND VERTICAL DISTRIBUTION OF THE GROUNDWATER IMPACTS. GROUNDWATER SAMPLES WILL BE COLLECTED WITHIN 2 WEEKS OF INSTALLATION AND ANALYZED FOR ACID MINE DRAINAGE PARAMETERS LISTED ABOVE. A SECOND, CONFIRMATORY ROUND OF SAMPLING WILL OCCUR 2-WEEKS AFTER THE INITIAL SAMPLING ROUND. MONITORING WELLS WILL BE SAMPLED ON A QUARTERLY BASIS IF ACID MINE DRAINAGE IMPACTS ARE DETECTED.

VATER QUALITY MONITORING NOTES

ITHIN \$ MILE OF THE EXCAVATION SITE WILL BE OFFERED GROUNDWATER QUALITY MONITORING. LL BE MADE TO LANDOWNERS WITH THE OPTION TO ALLOW OR DECLINE MONITORING.

ONITORING SAMPLING WILL OCCUR A MINIMUM OF 14 CALENDAR DAYS APART. ANALYZED FOR VOLATILE ORGANIC COMPOUNDS AND NITRATE.

SENT TO THE LAND OWNER, THE CITY OF KEENE, & TOWN OF SULLIVAN. MONITORING S OF WELLS DURING THE TERM OF THE PERMIT.

S OF WELLS TWO (2) YEARS FOLLOWING THE CEASE OF OPERATIONS AT THE SITE AND

ANALYZED FOR VOLATILE ORGANIC COMPOUNDS AND NITRATE. SENT TO THE LAND OWNER, THE CITY OF KEENE, & TOWN OF SULLIVAN.

RESULTS WILL BE COMPARED TO THE NHDES AMBIENT GROUNDWATER QUALITY STANDARDS (AGQS). CTS ARE NOTED, THE APPLICANT WILL IMMEDIATELY BE NOTIFIED TO CEASE BEDROCK EXCAVATION. OF KEENE, AND TOWN OF SULLIVAN WILL BE NOTIFIED. DICATES THE EXCAVATION ACTIVITIES CAUSED THE IDENTIFIED CONTAMINATION, A LICENSED NH OR WILL BE IMMEDIATELY RETAINED FOR INSTALLATION OF A NEW WATER SUPPLY WELL IN AN AREA BEEN IMPACTED BY CONTAMINATION. ILL BE THE SOLE RESPONSIBILITY OF THE APPLICANT.

GEMENT PRACTICES FOR BLASTING

TED TO BLASTING SHALL FOLLOW BEST MANAGEMENT PRACTICES (BMPS) TO PREVENT CONTAMINATION OF DING PREPARING, REVIEWING AND FOLLOWING AN APPROVED BLASTING PLAN; PROPER DRILLING, EXPLOSIVE NG PROCEDURES; OBSERVING THE ENTIRE BLASTING PROCEDURES; EVALUATING BLASTING PERFORMANCE; AND

ICES. THE FOLLOWING BLASTHOLE LOADING PRACTICES TO MINIMIZE ENVIRONMENTAL EFFECTS SHALL BE

DGS SHALL BE MAINTAINED BY THE DRILLER AND COMMUNICATED DIRECTLY TO THE BLASTER. THE LOGS CATE DEPTHS AND LENGTHS OF VOIDS. CAVITIES, AND FAULT ZONES OR OTHER WEAK ZONES ENCOUNTERED S GROUNDWATER CONDITIONS. IF A FRACTURE OR WATER BEARING ZONE IS ENCOUNTERED IN A BOREHOLE, IG SHALL OCCUR AT THAT LOCATION.

PRODUCTS SHALL BE MANAGED ON SITE SO THAT THEY ARE EITHER USED IN THE BOREHOLE, RETURNED LIVERY VEHICLE, OR PLACED IN SECURE CONTAINERS FOR OFF SITE DISPOSAL. ROUND THE BOREHOLE SHALL EITHER BE PLACED IN THE BOREHOLE OR CLEANED UP AND RETURNED TO PRIATE VEHICLE FOR HANDLING OR PLACEMENT IN SECURED CONTAINERS FOR OFF-SITE DISPOSAL. (PLOSIVES SHALL BE DETONATED AS SOON AS POSSIBLE AND SHALL NOT BE LEFT IN THE BLASTHOLES

UNLESS WEATHER OR OTHER SAFETY CONCERNS REASONABLY DICTATE THAT DETONATION SHOULD BE QUIPMENT SHALL BE CLEANED IN AN AREA WHERE WASTEWATER CAN BE PROPERLY CONTAINED AND N A MANNER THAT PREVENTS RELEASE OF CONTAMINANTS TO THE ENVIRONMENT. SHALL BE LOADED TO MAINTAIN GOOD CONTINUITY IN THE COLUMN LOAD TO PROMOTE COMPLETE

N. INDUSTRY ACCEPTED LOADING PRACTICES FOR PRIMING, STEMMING, DECKING AND COLUMN RISE NEED TO CTION. THE FOLLOWING BMPS SHALL BE FOLLOWED TO REDUCE THE POTENTIAL FOR GROUNDWATER

WHEN EXPLOSIVES ARE USED: PRODUCTS SHALL BE SELECTED THAT ARE APPROPRIATE FOR SITE CONDITIONS AND SAFE BLAST EXECUTION. PRODUCTS SHALL BE SELECTED THAT HAVE THE APPROPRIATE WATER RESISTANCE FOR THE SITE PRESENT TO MINIMIZE THE POTENTIAL FOR HAZARDOUS EFFECT OF THE PRODUCT UPON GROUNDWATER. MISFIRES. APPROPRIATE PRACTICES SHALL BE DEVELOPED AND IMPLEMENTED TO PREVENT MISFIRES. AGEMENT. MUCK PILES (THE BLASTED PIECES OF ROCK) AND ROCK PILES SHALL BE MANAGED IN A MANNER

POTENTIAL FOR CONTAMINATION BY IMPLEMENTING THE FOLLOWING MEASURES: HE MUCK PILE FROM THE BLAST AREA AS SOON AS REASONABLY POSSIBLE. HE INTERACTION OF BLASTED ROCK PILES AND STORMWATER TO PREVENT CONTAMINATION OF WATER SUPPLY

IN MEASURES AND SPILL MITIGATION. SPILL PREVENTION AND SPILL MITIGATION MEASURES SHALL BE PREVENT THE RELEASE OF FUEL AND OTHER RELATED SUBSTANCES TO THE ENVIRONMENT. THE MEASURES

STORAGE REQUIREMENTS SHALL INCLUDE

AGE OF REGULATED SUBSTANCES ON AN IMPERVIOUS SURFACE.

E STORAGE AREAS AGAINST UNAUTHORIZED ENTRY. REGULATED CONTAINERS CLEARLY AND VISIBLY.

CT STORAGE AREAS WEEKLY. REGULATED CONTAINERS IN OUTSIDE STORAGE AREAS.

EVER POSSIBLE, KEEP REGULATED CONTAINERS THAT ARE STORED OUTSIDE MORE THAN 50 FEET FROM FACE WATER AND STORM DRAINS, 75 FEET FROM PRIVATE WELLS, AND EET FROM PUBLIC WELLS.

IDARY CONTAINMENT IS REQUIRED FOR CONTAINERS CONTAINING REGULATED SUBSTANCES STORED OUTSIDE, T FOR ON PREMISE USE HEATING FUEL TANKS, OR GROUND OR UNDERGROUND STORAGE TANKS OTHERWISE REGULATED

HANDLING REQUIREMENTS SHALL INCLUDE: PT WHEN IN USE, KEEP CONTAINERS CONTAINING REGULATED SUBSTANCES CLOSED AND SEALED.

DRIP PANS UNDER SPIGOTS, VALVES, AND PUMPS. SPILL CONTROL AND CONTAINMENT EQUIPMENT READILY AVAILABLE IN ALL WORK AREAS.

UNNELS AND DRIP PANS WHEN TRANSFERRING REGULATED SUBSTANCES.

RM TRANSFERS OF REGULATED SUBSTANCES OVER AN IMPERVIOUS SURFACE.

ING OF ON-SITE EMPLOYEES AND THE ON SITE POSTING OF RELEASE RESPONSE INFORMATION DESCRIBING DO IN THE EVENT OF A SPILL OF REGULATED SUBSTANCES. ND MAINTENANCE OF EXCAVATION, EARTHMOVING AND OTHER CONSTRUCTION RELATED EQUIPMENT WILL ITH THE REGULATIONS OF NHDES [NOTE THESE REQUIREMENTS ARE SUMMARIZED IN WD-DWGB-22-6: 'BEST NT PRACTICES FOR FUELING AND MAINTENANCE OF EXCAVATION AND EARTHMOVING EQUIPMENT" OR ITS

SUBSURFACE DATA										
PROPOSED	LEDGE	DEPTH TO	WELL	GROUNDWATER						
GRADE		GROUNDWATER	BOTTOM	ELEV.						
880.0	873.0	NONE FOUND	873.0	NONE FOUND						
855.0	NONE TO 829.0	42.9	828.0	841.1						
855.0	NONE TO 795.5	NONE TO 45.2	817.8	826.3						
885.0	877.5	1.5	850.5	883.5**						

URFACE DATA FROM TEST PIT, BORING, AND WELL INSTALLATION LOGS AINED IN THE LIMITED GEOHYDROLOGIC INVESTIGATION BY SLR NATIONAL CORPORATION, DATED MARCH 25, 2022.

							GRANITE		5 VILLEN DUIDNE	civil engineering	land planning	municipal services
	вҮ	۵۲	۵۲	۵۲								
REVISIONS	COMMENTS	PROJECT SUBMITTAL	REVISED PER CITY COMMENTS	REVISED PER CITY COMMENTS								
	No. DATE	1 12/20/24	2 2/3/25	3 5/9/25								
OWNER/APPLICANT:	20 NORTH STREET		A F A I nee nui w S lew	R P erir nici Ma 603	a JE ipa et, 1 mcl mp s.51	N E I Sow hes shi 8.8	ancervi Ter, re 0 030	T R 1 pl ice 2, S 31(E II an s uite	N nin 42	g G	
STAM	P:	A DESCRIPTION OF THE OWNER OWNER OF THE OWNER OWNE	and Stating	ALL ESS	RE NO2/CE ON	W F NTC	HAMA HA	and				
						2	151	_01	rs :	7 &	8	
LOCA K SUL KEEI	TIC EE LIV NE	DN: NE /Al & S C		X N 57 LIN SH	MAF MA RO /AN	.P 5 OUT N, N E C	E 9 NEV OU		5 46 AM Y	PS	46- HIF	1 RE
LOCA K SUL KEEI		DN: NE /An & s C		AX 57 LLIV ESH					ам Ү	PS	46- HIF	1 RE

HORIZ

"=125'

SHEE

17 OF 23

VEGETATIVE BUFFER TO
ABUTTER LINE PROPERTY LINE EXCAVATION SETBACK LINE EXISTING EDGE OF PAVEMENT EXISTING EDGE OF GRAVEL WETLANDS BOUNDARY
WETLAND BUFFER PROPOSED EDGE OF GRAVEL TOWN LINE EX./PROP. TREELINE PROP. GRADE LINE
EX. MAJOR CONTOUR

RSA 155-E PERMIT CONDITIONS:

THE PERMIT IS GRANTED SUBJECT TO THE OPERATING AND RECLAMATION STANDARDS OF NH RSA 155-E, IN ADDITION TO THE FOLLOWING: 1. ALL WELLS WITHIN 1/2 MILE OF THE BLASTING SITE WILL BE TESTED AND MONITORED ACCORDING TO THE BLASTING PLAN AND GROUNDWATER MONITORING PLAN ASSURANCE THAT THE BLASTING COMPANY WILL PROVIDE INSURANCE COVERAGE FOR THE REMEDIATION OF ANY WELLS THAT MIGHT BE CONTAMINATED BY BLASTING. 3. G2 HOLDINGS WILL PROVIDE A BOND FOR RECLAMATION OF THE EXCAVATION SITE IN THE AMOUNT DETERMINED BY THE CITY OF KEENE. 4. THE BLASTING COMPANY WILL FOLLOW ALL NH DEPARTMENT OF TRANSPORTATION PROTOCOLS FOR SIGNAGE, WARNING, AND CLOSING OF THE HIGHWAY, IF NECESSARY, FOR

5. HOURS OF OPERATION ARE 7 AM TO 5 PM MONDAY TO FRIDAY; AND 7 AM TO 12 PM ON SATURDAY FOR TAKING PRE-PROCESSED MATERIALS OFF SITE. EMERGENCY SITUATIONS

ARE EXEMPT FROM THESE STIPULATIONS. 6. G2 HOLDINGS WILL PROVIDE THE PLANNING BOARD WITH A COPY OF ITS REGULAR PROGRESS REPORT TO NH DEPARTMENT OF ENVIRONMENTAL SERVICES. 7. VIOLATION OF ANY CONDITION OF THIS PERMIT MAY RESULT IN REVOCATION OF THE PERMIT BY THE REGULATOR.

RECLAMATION NOTES:

1. ANY EXCAVATED AREA OF 5 CONTIGUOUS ACRES OR MORE, WHICH IS DEPLETED OF COMMERCIAL EARTH MATERIALS, EXCLUDING BEDROCK, OR ANY EXCAVATION FROM WHICH EARTH MATERIALS OF SUFFICIENT WEIGHT OR VOLUME TO BE COMMERCIALLY USEFUL HAVE NOT BEEN REMOVED FOR A 2-YEAR PERIOD, SHALL BE RECLAIMED IN ACCORDANCE WITH RSA 155-E:5, WITHIN 12 MONTHS FOLLOWING SUCH DEPLETION OR 2-YEAR NON-USE, REGARDLESS OF WHETHER OTHER EXCAVATION IS OCCURRING ON ADJACENT LAND IN CONTIGUOUS OWNERSHIP. EACH OPERATOR, OTHER THAN THE OPERATOR OF STATIONARY MANUFACTURING PLANTS WHICH ARE EXEMPT FROM PERMIT REQUIREMENTS PURSUANT TO RSA 155-E:2, III, SHALL PREPARE AND SUBMIT FOR THE REGULATOR'S RECORD A RECLAMATION PLAN FOR THE AFFECTED LAND, INCLUDING A TIMETABLE FOR RECLAMATION OF THE DEPLETED AREAS WITHIN THE RECLAMATION SITE. AT THE TIME OF RECLAMATION, ALL LANDS THAT ARE NO LONGER BEING USED FOR EXCAVATION ACTIVITIES, INCLUDING EXCAVATION AREAS, PROCESSING AREAS, STOCKPILING AREAS, AND STORMWATER MANAGEMENT AREAS, EXCEPT FOR EXPOSED

3. AREAS TO BE RECLAIMED SHALL BE GRADED TO A NATURAL REPOSE FOR THE TYPE OF SOIL OF WHICH THEY ARE COMPOSED SO AS TO CONTROL EROSION. 4. ONCE RECLAIMED, CHANGES OF SLOPE, EXCEPT FOR EXPOSED LEDGE, SHALL BE SMOOTH AND GRADUATED RATHER THAN SHARP, SUDDEN OR ABRUPT.

5. TO ASSURE ADEQUATE DRAINAGE AND SOIL STABILIZATION, AND TO PREVENT EROSION AND SEDIMENTATION, THE TOPOGRAPHY OF THE LAND SHALL BE LEFT SO THAT WATER DRAINING FROM THE SITE LEAVES THE PROPERTY AT THE ORIGINAL, NATURAL DRAINAGE POINTS AND IN THE NATURAL PROPORTIONS OF FLOW.

6. EXCEPT FOR EXPOSED ROCK LEDGE, ALL AREAS TO BE RECLAIMED SHALL BE SPREAD WITH NATIVE TOPSOIL TO A DEPTH OF NOT LESS THAN 4 INCHES. TOPSOIL OF AT LEAST THE MINIMUM AMOUNT NEEDED TO RESTORE THE SITE SHALL BE STOCKPILED ON THE SITE UNTIL RECLAMATION. 🖉 8. TOPSOIL AND OVERBURDEN STOCKPILING AREAS SHALL BE STABILIZED TO PREVENT

EROSION BY AND SEDIMENTATION OF STORMWATER RUNOFF FOLLOWING BEST 9. EXCEPT WHERE LEDGE ROCK IS EXPOSED, ALL AREAS TO BE RECLAIMED AS SPECIFIED IN A RECLAMATION PLAN APPROVED BY THE PLANNING BOARD SHALL HAVE PERMANENT COVER VEGETATION ESTABLISHED TO ASSURE SOIL STABILIZATION AND TO PREVENT

EROSION AND SEDIMENTATION, IN ACCORDANCE WITH BEST MANAGEMENT PRACTICES AND AS SET FORTH IN AN APPROVED RECLAMATION PLAN. 10. ANY PORTIONS OF LANDS WITHIN THE EXCAVATION PERIMETER THAT ARE VISIBLE FROM ANY PUBLIC WAY, FROM WHICH TREES HAVE BEEN REMOVED, SHALL BE REPLANTED WITH

TREE SEEDLINGS IN ACCORDANCE WITH ACCEPTABLE HORTICULTURAL PRACTICES. 11. RECLAMATION ACTIVITIES THAT INCLUDE PLANTING OF VEGETATION AND/OR COVER CROP SHALL PROVIDE ADEQUATE SOIL CONDITIONING AND MULCHING ACCORDING TO BEST MANAGEMENT PRACTICES.

12. SEED AND PLANT SPECIES TO BE USED IN RESTORING THE SITE SHALL BE NATIVE SPECIES SIMILAR TO THOSE SPECIES TYPICALLY FOUND SURROUNDING THE SITE. 13. ALL EXCAVATION SITES WHERE RECLAMATION HAS BEEN COMPLETED SHALL BE MONITORED ANNUALLY BY THE APPLICANT OVER A PERIOD OF 2-YEARS FOLLOWING THE COMPLETION DATE TO ENSURE THAT RECLAMATION MEASURES HAVE BEEN EFFECTIVE IN ACCORDANCE WITH THESE STANDARDS AND THAT ALL PLANTED VEGETATION HAS

14. THE PROPERTY OWNER SHALL USE BEST EFFORTS TO REMOVE NON-NATIVE AND INVASIVE SPECIES, AS DEFINED BY THE NH DEPARTMENT OF ENVIRONMENTAL SERVICES, THAT BECOME ESTABLISHED DURING THE MONITORING PERIOD IN THE RECLAIMED AREAS. 15. EXCAVATION OPERATIONS THAT CAUSE ADVERSE IMPACTS SHALL ABATE AND/OR REMEDIATE THOSE IMPACTS, RESTORING ALL AFFECTED AREAS TO A PRE-IMPACT CONDITION.RECLAMATION SHALL NOT BE SAID TO BE COMPLETE UNTIL ALL ADVERSELY IMPACTED AREAS HAVE BEEN SUCCESSFULLY REMEDIATED.

COLOR LEGEND:

RECLAMATION AREA PERIOD 1 (195,375 SF) (2,420 CY) LOAM - \$85/CY = \$205,700 / SEED \$50/LB APP RATE 32 LBS/ACRE \$1,600/ACRE x 4.49 = \$7,177. TOTAL COST = \$212,877
RECLAMATION AREA PERIOD 2 (150,500 SF) (1,860 CY) LOAM – \$50/CY = \$158,100 / SEED \$50/LB APP RATE 32 LBS/ACRE \$1,600/ACRE × 3.46 = \$5,528. TOTAL COST = \$163,628
RECLAMATION AREA PERIOD 3 (149,500 SF) (1,850 CY) LOAM – \$50/CY = \$157,250 / SEED \$50/LB APP RATE 32 LBS/ACRE \$1,600/ACRE x 3.43 = \$5,492. TOTAL COST = \$162,742
RECLAMATION AREA PERIOD 4 (132,025 SF) 1,830 CY LOAM – \$50/CY = \$155,550 / SEED \$50/LB APP RATE 32 LBS/ACRE \$1,600/ACRE x 3.03 = \$4,850. TOTAL COST = \$160,400
RECLAMATION AREA PERIOD 5 (156,410 SF) (1,932 CY) LOAM - \$50/CY = \$164,220 / SEED \$50/LB APP RATE 32 LBS/ACRE \$1,600/ACRE x 3.59 = \$5,746. TOTAL COST = \$169,966
RECLAMATION AREA PERIOD 6 (134,015 SF) (1,655 CY) LOAM - \$50/CY = \$140,675 / SEED \$50/LB APP RATE 32 LBS/ACRE \$1,600/ACRE x 3.08 = \$4,925. TOTAL COST = \$145,600
RECLAMATION AREA PERIOD 7 (309,094 SF) (3,816 CY) LOAM - \$50/CY = \$324,360 / SEED \$50/LB APP RATE 32 LBS/ACRE \$1,600/ACRE x 7.10 = \$7,441. TOTAL COST = \$331,801

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 IMPLEMENTED ONCE APPROVED BY NHOES. ALL ACTIVETE ELATED TO BLAISTING SHALL FOLLOW BEST MANAGEMENT PRACTICES (BMPS) TO PREVENT CONTAMINATION OF GROUPDWATES INCLUDING PREVAMING, EXPERIMING AND FOLLOWING THE STINEE BLASTING PROCEDURES; EVALUATING BLASTING PERFORMANCE; AND HANDLING AND STORAGE OF BLASTED ROCK. (1) LOADING PRACTICES, THE FOLLOWING BEARDING PRACTICES TO MINIMZE ENVIRONMENTIAL EFFECTS SHALL BE FOLLOWED BY THE DRILLER AND COMMUNICATED DIRECTLY TO THE BLASTER. THE LIGOS SHALL INDICATE DEPTHS AND LENGTHS OF VIDIS, CAVINES, AND FALT ZONES OF OTHER WAR ZONES INCOMINEED AS WILL AND COMMUNICATED DIRECTLY TO THE BLASTER. THE LIGOS SHALL INDICATE DEPTHS AND LENGTHS OF VIDIS, CAVINES, AND FALT ZONES OF OTHER WAR ZONES INCOMINEED AS WILL AND COMMUNICATED DIRECTLY TO THE BLASTER. THE LIGOS SHALL INDICATE DEPTHS AND LENGTHS OF VIDIS, CAVINES, AND FALT ZONES OF OTHER WAR ZONES INCOMINEED AS WILL AS GROUPWARE CONDITIONS. (4) EXPLOSIVE PROJUCTS SHALL BE MANAGED ON SILE SO THAT THEY ARE EITHER USED IN THE DISPOSAL. (5) SPILLAGE AROUND THE BORFHOLD SHALL ENTITY EVICILL OR TRANCED IN THE CONTAINERS FOR OFF SITE DISPOSAL. (6) SPILLAGE AROUND THE BORFHOLD SHALL ENTITY SALEDED CONTAINERS INFORMENTING SOLUTION IN AN ARARCEMARE VERICE FOR THE MALE DISPOSITION. (7) DATIONE GUIPHENT IN SALE BE CLEANED IN AN ARAR WHERE WASTEWARER CAN BE PROPERLY CONTAINED AND HANDLED IN AN ARAR WHERE WASTEWARER CAN BE PROPERLY CONTAINED AND HANDLED IN AN ARAR WHERE WASTEWARER CAN BE PROPERLY CONTAINED THAL BE CLEANED IN AN ARAR WHERE WASTEWARER CAN BE PROPERLY CONTAINED AND ANALDED IN A MANNER THAT PREVENTS RELEASE OF CONTAINAINANT TO DETONATION. INDUSTRY ACCEPTED LOADING THAT PREVENTS RELEASE OF CONTAINAINANT TO DETONATION. NUDITY ACCEPTED LOADING MARKER THAT PREVENTS RELEASE OF CONTAINAINANT TO PREVENTION. NOTAINES AND DESTERNAL HER PROTEINAIL FOR STILL CONTINUATION. THE COLUMN CAN AREAS. (6) DEPLOSIVE SHALL BE SALLOTED THAT ARE APPROPRIATE	 ALL-ADMINES CANTOR TO BLAND BALL FOLLOW RET WANAGEMENT PRACTICES (GMPS) TO PREVENT COMMUNATE IN COLUMNS AND FOLLOWING PRACTICES TO WANAGEMENT PRACTICES (GMPS) TO PREVENT COMMUNATE PROTEINS. ALLANDING PLANTER DE COLUMNE BLAND DE THE COLUMNS AND FOLLOWING AND PREVENT COMMUNATE PROTEINS. ADAMINE FLANTER DE COLUMNE BLAND DE THE COLUMNS AND FOLLOWING AND DECENT TO THE THE COLUMNS AND FOLLOWING PLANTER COMMUNATE DECOMPOSITIONS. DE COLUMNE ALLES MANTANEED ON THE COLUMNS AND FOLLOWING AND DECENT TO THE THE COLUMNS AND THE COLUMNS. DE COLUMNE ALLES MANTANEED ON THE COLUMNS AND THE COMMUNATE DOORTOONS. DE COLUMNE ALLES MANTANEED ON THE COLUMNS AND CANTO DECENT TO THE THE COLUMNS AND THE COLUMNS AND THE COLUMNS. DE COLUMNE ALLES MANTANEED ON THE COLUMNS AND CANTO DECENT TO THE THE COLUMNS AND THE COLUMNS AND THE COLUMNS. DE COLUMNE ALLES MANTANEED ON THE COLUMNS AND CANTO DECENT TO THE COLUMNS AND THE COLUMNS AND COLUMNS AND THE COLUMNS AND CANTO THAT THAT THE THE COLUMNS AND THE COLUMNS AND CANTO THAT THAT THAT THAT THAT THAT THAT TH	 AL-ADITIONE REPORTING THE MILLIONE CHARGE STATE ANALOGUEST INFORMATION OF DEPENDENT CONTRACTORS OF DEPENDENT	IDENTIFY DRINKING WATER WELLS LOCATED WITHIN 1/2 MILE OF THE PROPOSED BLASTING ACTIVITIES. DEVELOP A GROUNDWATER QUALITY SAMPLING PROGRAM TO MONITOR FOR NITRATE EITHER IN THE DRINKING WATER SUPPLY WELLS OR IN OTHER WELLS THAT ARE REPRESENTATIVE OF THE DRINKING WATER SUPPLY WELLS IN THE AREA. THE PLAN MUST INCLUDE PRE AND POST BLAST WATER QUALITY MONITORING AND BE APPROVED BY NHDES PRIOR TO INITIATING BLASTING. THE GROUNDWATER SAMPLE PROGRAM MUST BE
 CADADE SUBJECT DEPUTY MANUELAND FANDLING AND STORAGE OF BLASTED FROM. LADADE PRACTICES. THE FOLLOWING ELEMENTE FOLLOWED: DRUING LOGS SHALL BE MAINTANED BY THE DRUER AND COMMUNICATED DIRECTLY TO THE BLASTER. THE LOGS SHALL INDICATE DIFFER AND LENGTHS OF VOIDS. CAVITES, AND FAULT ZONGS OF OTHER WARK ZONES ENDUTIFIED AS BLELLAS CONDUMERTE CONTINUES. DRUING LOGS SHALL BE MAINTANED BY THE DRUER AND COMMUNICATED DIRECTLY TO THE BLASTER. THE LOGS SHALL INDICATE DIFFERENCE OR FLACE IN SECURE CONTAINERS FOR OFF STE DISPOSAL. SPILLAGE AROUND THE BOREHOLE SHALL EITHER BE FLACED IN THE BOREHOLE OR CLEARED UP AND RETURNED TO AN APPROPRIATE VENCLE OR FLACED IN SECURE CONTAINERS FOR OFF STE DISPOSAL. LIGNONG SOLIPHEND THE DREPOLE SHALL EITHER BE FLACED IN THE BOREHOLE OR CLEARED UP AND RETURNED TO AN APPROPRIATE VENCLE FOR THANDING OR PLACEMENT IN SECURE CONTAINERS FOR OFF STE DISPOSAL. LIGNONG SOLIPHEND, HUBS WEATHER GO THER SAFETY CONCERNS REASONABLY DICTATE THAT DEFONATION SHOLD BE POSTPONED. LIGNONG SOLIPHEND, MALLES WATHER GO CONTINUTT IN THE COLLINU LOLD TO PROMOTE THE REARE OF CONTAINING MULTIME AND ADDIT THE COLLINU LOLD TO PROMOTE THE REARE OF CONTAINING MULTIME. WARDER DO CONTINUT IN THE COLLINU LOLD TO PROMOTE THE REARE OF CONTAINING. NEED THE DISTONED. CONDUNN STALL BE CLEARED IN AN AREA WHERE WASTEWATER CAN BE PROPERITE CONTAINING. MEED THEODET DI CONTAINE TO THE COLLINU LOLD TO PROMOTE THE REAR CONTAINING. THE FOLLOWING AND COLLIN RISK FEED TO BE THE DED TO THE DISTONED. CHENRONNEN. CHENRONNEN. CHENRONNEN. CHENRONNEN. CHENRONNEN CONTAIL DE SELECTED THAT HARE THAR PROVENTIE TO PREVENT CONTAINING MEED THEOLOGINA THE FOLLOWING AND COLLIN RISK ELECTED THAT HARE THAPPORATE TO REVENT CONTAINERS THEORED TO MININZE THE POTENTIAL FOR STALLING. CHENRONNEN TO MININGE SELECTED THAT HARE THAPPORATE TO THE DISTINCT. THE FOLLOWING AND	 Contract Des Sink ED, Lawren Bauching and Provide Auto Standard Diversity in the second state of the second state	Provedbacks E-Productions Busines retromanuclaw practices was some to solved to barrier to the Busines and the solution of	IMPLEMENTED ONCE APPROVED BY NHDES. ALL ACTIVITIES RELATED TO BLASTING SHALL FOLLOW BEST MANAGEMENT PRACTICES (BMPS) TO PREVENT CONTAMINATION OF GROUNDWATER INCLUDING PREPARING, REVIEWING AND FOLLOWING AN APPROVED BLASTING PLAN; PROPER DRILLING, EXPLOSIVE HANDING AND LOADING PROCEDURES; OBSERVING THE ENTIRE BLASTING PROPER DRILLING, EXPLOSIVE HANDING AND LOADING PROCEDURES; OBSERVING THE ENTIRE BLASTING PROPER DRILLING, DIASTING PROFEDENCE AND LUADING AND STORAGE OF DRIVEN DROK
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ALL STUMPS AND SIMILAR ORGANIC DEBRISS SHALL BE PROPERTY USPOSED OF BY THE CONTRACTOR UNLESS A STOWN DON THE PLANS. 5. THIS PROJECT IS TO BE MANAGED IN A MANOR THAT MEETS THE REQUIREMENTS AND INTENT OF RSA 435053. MICHAPTER CONSTRUCTION AND REFERS FOROL DED BY PERIMETER CONTROLS TO PROVENT ESTORPHEDS SHALL BE PROPERTY DISPOSED OF BY THE CONTRACTOR UNLESS A STUMP DUMP IS NOTED ON DHE PLANS. 6. THIS PROJECT IS TO BE MANAGED IN A MANOR THAT MEETS THE REQUIREMENTS AND INITENT OF RSA 435053. MICHAPTER AGR 3800 RELATIVE TO INVASIVE SPECIES. 6. ALL PERMANENT EROSION CONTROL MEASURES AND DETENTION FACILITIES SHOULD BE INSTALLED PRIOR TO GRADUED BY DERIMETER CONTROLS TO PREVENT EROSION. 	 CONTACT DIG SAFE AT LEAST 72 HOURS BEFORE ANY EXCAVATION WORK. EST MANAGEMENT PRACTICES FOR BLASTING IS CONTACT DIG SAFE AT LEAST 72 HOURS BEFORE ANY EXCAVATION WORK. CUT AND CLEAR TREES AND BRUSH WITHIN LIMITS OF CLEARING SHOWN ON PLAN. 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THE FOLLOWING BLASTHOLE LOADING PRACTICES TO MINIMIZE PROCEDURES; EVALUATION ENFOTS SHALL BE FOLLOWED: (1) DRILLING LOGS SHALL BIE MAINTAINED BY THE DRILLER AND COMMUNICATED DIRECTLY TO THE BLASTER. THE LOGS SHALL BIE MAINTAINED BY THE DRILLER AND COMMUNICATED DIRECTLY TO THE BLASTER. THE LOGS SHALL BIE MAINTAINED BY THE DRILLER AND COMMUNICATED DIRECTLY TO THE BLORENCE, RETURNED TO THE DELIVERY VEHICLE, OR PLACED IN SECURE CONTAINERS FOR OFF STE BORENCE, RETURNED TO THE DELIVERY VEHICLE, OR PLACED IN SECURE CONTAINERS FOR OFF STE DRIVEL AROUND THE BORENCE SHALL ETHEME RE PLACED IN THE VARE ETHER USED IN THE BLASTINGS VEHICLE SHALL ETHEME RE PLACED IN THE VARE DRIVEL OR CLEANED UP AND RETURNED TO AN APPROPRIATE VEHICLE FOR HANDLING OR PLACEMENT IN SECURED CONTAINERS FOR OFF-STE DEFOSAL. (4) LOADED EXPLOSIVES SHALL BE DETONATED AS SOON AS POSSIBLE AND SHALL NOT BE LET IN THE BLASTINGS VEHICLE WATHER OR OTHER SAFETY CONCERNS REASONABLY DICTATE THAT DETONATION SHOULD BE POSTONED. (5) LOADED EXPLOSIVES SHALL BE LOEDED TO MAINTAN TO THER SAFETY CONCERNS REASONABLY DICTATE THAT DETONATION. SHOULD BE POSTONED. (6) LOADING EQUIPHENT SHALL BE LOADED TO MAINTAIN GOOD CONTINUTY IN THE COLUMINANTS TO PROPERLY CONTAINED AND HANDLED IN A MANRER THAT PREVENTS RELASE OF CONTAININATS TO PROPERLY CONTAINED AND HANDLED IN A MAINER THAT PREVENTS RELASE OF CONTAININATS TO PROPERLY CONTAINED. AND HANDLED IN A MAINER THAT PREVENTS RELASE CONDITIONS AND SAFE BETONATION. THE FOLLOWING BMPS SHALL BE FOLLOWED TO REDUCE THE POTENTIAL FOR ROUMWARER CONTAINING. MINUS RY ACCEPTED LOADING PRACTICES FOR PRIMING, STEMMING, DECKING AND COLUMN RISE SEDECTED THAT ARE APPROPRIATE FOR SITE CONDITIONS AND SAFE BLAST ELECTION. THE RELASTED PRECES OF ROCK) AND ROCK PILES SHALL BE MAINAGED IN A MAINE
SUMMARIZED IN WD-DWGB-22-6: "BEST MANAGEMENT PRACTICES FOR FUELING AND MAINTENANCE OF EXCAVATION AND EARTHMOVING EQUIPMENT" OR ITS SUCCESSOR DOCUMENT.] BEST MANAGEMENT PRACTICES FOR BLASTING	 SUMMARIZED IN WDDWGB-22.6: 'BEST MANAGEMENT PRACTICES FOR FUELING' AND MAINTENANCE OF EXCAVATION AND EARTHMOVING EQUIPMENT OR ITS SUCCESSOR DOCUMENT.] BEST MANAGEMENT PRACTICES FOR BLASTING I. CONTACT DIG SAFE AT LEAST 72 HOURS BEFORE ANY EXCAVATION WORK. C. CUT AND CLEAR TREES AND BRUSH WITHIN LIMITS OF CLEARING SHOWN ON PLAN. I. CUT AND CLEAR TREES AND BRUSH WITHIN LIMITS OF CLEARING SHOWN ON PLAN. I. NISTALI ALL APPLICABLE TEMPORARY ERGISION CONTRUCTION EXIT SHALL BE IN PLACE AS SHOWN ON THE PROJECT FLANS. REMOVE STUMPS FROM THE SITE FOR SITE GRADING TO COMMENCE. AND SIMILAR ORGANIC DEBRISS SHALL BE PROPERLY DISPOSED OF BY THE CONTRUCTION AND SIMILAR ORGANIC DEBRISS SHALL BE PROPERLY DISPOSED OF BY THE CONTRUCTION AND SIMILAR ORGANIC DEBRISS SHALL BE PROPERLY DISPOSED OF BY THE CONTRUCTION AND DIAMPLAN. THIS PROJECT IS TO BE MANAGED IN A MANOR THAT MEETS THE REQUIREMENTS AND DIMENT STOCKPILES SHALL BE TEMPORARILY SEEDED WITH WINTER RYE AND BES SURGUINDED BY PERIMETER CONTRUCTS TO PREVENT ERGISION. THIS PROJECT IS TO BE MANAGED IN A MANOR THAT MEETS THE REQUIREMENTS AND INTENT OF RSA 430:53 AND CHAPTER AGR 3000 RELATIVE TO INVASIVE SPECIES. ALL PERMANENT ERGISION CONTRUCTION FACILITIES SHOULD BE INSTALLED PRIOR TO GRADING FOR PROJECT. 	 SUMMARIZED IN WODWEB 22:6: DEST MANAGEMENT PRACTICES FOR FUELING AND MAINTENANCE OF EXCAVATION AND EARTHMOVING EQUIPMENT OR ITS SUCCESSOR DOCUMENT.] BEST MANAGEMENT PRACTICES FOR BLASTING ISSUE AND A CONTRACT DESTINATION OF A CONTRACT DESTINATION AND MAINTENANCE OF EXCAVATION AND EARTHMOVING EQUIPMENT OR ITS SUCCESSOR DOCUMENT.] ISSUE AND A CONTRACT DESTINATION OF A CONTRACT DESTINATION AND MAINTENANCE OF EXCAVATION AND EARTHMOVING EQUIPMENT OR ITS SUCCESSOR DOCUMENT.] ISSUE AND A CONTRACT DESTINATION OF A CONTRACT DESTINATION AND MAINTENANCE OF EXCAVATION AND EART TRESS AND BRUSH WITHIN LIMITS OF CLEARING SHOWN ON PLAN. INSTALL ALL APPLICABLE TEMPORARY EROSION CONTROL MEASURES PRIOR PRIOR TO COMMENCEMENT OF ANY EARTHMOVING OFERATIONS. THE STABILIZED CONSTRUCTION EXIT SHALL BE IN PLACE AS SHOWN ON THE PROJECT FLANS. REMOVE STUMPS FROM THE SITE FOR SITE GRAIN TO COMMENCE. ALL STUMPS AND SIMILAR ORGANIC DEBRIS SHALL BE FROPERLY DISPOSED OF BY THE CONTRACTOR UNLESS AS STORED ON THE PROJECT TO THE WAY OF OTHER CONSTRUCTION ACTIVITIES AND DEAL BE STOCKPILED WITHIN AREAS OUT OF THE WAY OF OTHER CONSTRUCTION ACTIVITIES AND DEAL BE STOCKPILED WITHIN AREAS OUT OF THE WAY OF OTHER REPORTS THE REQUIREMENTS AND INTENT OF RSA 430: 53 AND CHAPTER AGN 3800 RELATIVE TO INVASIVE SPECIES. ALL DERMANENT EROSION CONTROL MEASURES AND DESTINCTION FACILITIES SHOULD BE INSTALLED FRIGOR TO COMMENCE EARTHMOVER OPERATIONS. THIS PROJECT IS TO BE MANAGED IN A MANOR THAT MEETS THE REQUIREMENTS AND INTENT OF RSA 430: 53 AND CHAPTER AGN 3800 RELATIVE TO INVASIVE SPECIES. ALL DERMANENT EROSION CONTROL MEASURES AND DETENTION FACILITIES SHOULD BE INSTALLED FRIOR TO GRADING FOR PROJECT. COMMENCE EARTIMONS OFTENT. AN ARE EXSTRUME ORDER STABLE TO FOR STABLED FOR INCOMPACE INCOMPLETE WORK OPERATIONS. AN ARE EXSTRUMENT AND DESTABLE TO FOR THE FOLLOWING HAS DOCUMRED: UNIT. THE SITE HAS BECOM	 ABOVEGROUND OR UNDERGROUND STORAGE TANKS OTHERWISE REGULATED (a) THE FUEL HANDLING REQUIREMENTS SHALL INCLUDE: EXCEPT WHEN IN USE, KEEP CONTAINERS CONTAINING REGULATED SUBSTANCES CLOSED AND SEALED. PLACE DRIP PANS UNDER SPIGOTS, VALVES, AND PUMPS. HAVE SPILL CONTROL AND CONTAINMENT EQUIPMENT READILY AVAILABLE IN ALL WORK AREAS. USE FUNNELS AND DRIP PANS WHEN TRANSFERRING REGULATED SUBSTANCES. PERFORM TRANSFERS OF REGULATED SUBSTANCES OVER AN IMPERVIOUS SURFACE. (a) THE TRAINING OF ON SITE EMPLOYEES AND THE ON SITE POSTING OF RELEASE RESPONSE INFORMATION DESCRIBING WHAT TO DO IN THE EVENT OF A SPILL OF REGULATED SUBSTANCES. (b) FUELING AND MAINTENANCE OF EXCAVATION, EARTHMOVING AND OTHER CONSTRUCTION RELATED FQUIPMENT WILL COMPLY WITH THE REGULATIONS OF NHDES [NOTE THESE REQUIREMENTS ARE
	 CONTACT DIG SAFE AT LEAST 72 HOURS BEFORE ANY EXCAVATION WORK. CUT AND CLEAR TREES AND BRUSH WITHIN LIMITS OF CLEARING SHOWN ON PLAN. INSTALL ALL APPLICABLE TEMPORARY EROSION CONTROL MEASURES PRIOR PRIOR TO COMMENCEMENT OF ANY EARTHMOVING OPERATIONS. THE STABILIZED CONSTRUCTION EXIT SHALL BE IN PLACE AS SHOWN ON THE PROJECT PLANS. REMOVE STUMPS FROM THE SITE FOR SITE GRADING TO COMMENCE. ALL STUMPS AND SIMILAR ORGANIC DEBRIS SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR UNLESS A STUMP DUMP IS NOTED ON THE PLAN. NATIVE ORGANIC SOIL MATERIALS SUITABLE FOR USE AS TOPSOIL SHALL BE STOCKPILED WITHIN AREAS OUT OF THE WAY OF OTHER CONSTRUCTION ACTIVITIES AND DRAINAGE FLOW. STOCKPILES SHALL BE TEMPORARILY SEEDED WITH WINTER RYE AND BE SURROUNDED BY PRIMETER CONTROLS TO PREVENT EROSION. THIS PROJECT IS TO BE MANAGED IN A MANOR THAT MEETS THE REQUIREMENTS AND INTENT OF RSA 430:53 AND CHAPTER AGR 3800 RELATIVE TO INVASIVE SPECIES. ALL PERMANENT EROSION CONTROL MEASURES AND DETENTION FACILITIES SHOULD BE INSTALLED PRIOR TO GRADING FOR PROJECT. 	 CONTACT DIG SAFE AT LEAST 72 HOURS BEFORE ANY EXCAVATION WORK. CUT AND CLEAR TREES AND BRUSH WITHIN LIMITS OF CLEARING SHOWN ON PLAN. INSTALL ALL APPUCABLE TEMPORARY EROSION CONTROL MEASURES PRIOR PRIOR TO COMMENCEMENT OF ANY EARTHMOVING OPERATIONS. THE STABILIZED CONSTRUCTION EXIT SHALL BE IN PLACE AS SHOWN ON THE PROJECT PLANS. REMOVE STIMPS FROM THE SITE FOR SITE GRADING TO COMMENCE. ALL STUMPS AND SIMILAR ORGANIC DEBRIS SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR UNLESS A STUMP DIMP IS NOTED ON THE PLAN. NATIVE ORGANIC SOLE MATERIALS SUITABLE FOR USE AS TOPSOL SHALL BE STOKCPILED WITHIN AREAS OUT OF THE WAY OF OTHER CONSTRUCTION ACTIVITIES AND DRAINAGE FLOW. STOCKPILES SHALL BE TEMPORARILY SEDED WITH WITHER RYE AND BE SURROUNDED BY PRIMETER CONTROLS TO PREVENT EROSION. THIS PROJECT IS DIE BE MANAGED IN A MANOR THAT MEETS THE REQUIREMENTS AND INTENT OF RSA 430:33 AND CHAPTER AGR 3800 RELATIVE TO INVASIVE SPECES. ALL PERMANENT EROSION CONTROL MEASURES AND DESENTION FACILITIES SHOULD BE INSTALLED PRIOR TO GRADING FOR PROJECT. COMMENCE EARTHWORK OPERATIONS. ALL DRAINAGE SYSTEMS AND OTHER UTILITIES SHOULD BE CONSTRUCTED FROM LOW GRADE TO HIGH GRADE. INCOMPLETE WORK SHALL BE ROTECTED FROM SILTATION BY THE USE OF PERIMETER CONTROLS UNTIL THE SITE HAS BECOME FULLY STABILIZED. AN AREA SHALL BE ROTECTED FORM SILTATION BY THE USE OF PERIMETER CONTROLS UNTIL THE SITE HAS BECOME FULLY STABILIZED. AN AREA SHALL BE CONSDRUCTED STABLE FOR USTABLE AND DESTRUCTED FROM LOW GRADE TO HIGH GRADE. INCOMPLETE WORK SHALL BE FROTECTED FROM SILTATION BY THE USE OF PERIMETER CONTROLS UNTIL THE SITE HAS BECOME FULLY STABILIZED. AN AREA SHALL BE CONSTRUCTED STABILE FOR USTABILIZED. AN AREA SHALL BE CONSTRUCTION STABILIZED. 	SUMMARIZED IN WD-DWGB-22-6: "BEST MANAGEMENT PRACTICE'S FOR FUELING AND MAINTENANCE OF EXCAVATION AND EARTHMOVING EQUIPMENT" OR ITS SUCCESSOR DOCUMENT.] BEST MANAGEMENT PRACTICES FOR BLASTING
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 8. ALL DRAINAGE SYSTEMS AND OTHER UTILITIES SHOULD BE CONSTRUCTED FROM LOW GRADE TO HIGH GRADE. INCOMPLETE WORK SHALL BE PROTECTED FROM SILTATION BY THE USE OF PERIMETER CONTROLS UNTIL THE SITE HAS BECOME FULLY STABILIZED. 9. AN AREA SHALL BE CONSIDERED STABLE IF ONE OF THE FOLLOWING HAS OCCURRED: A. BASE COURSE GRAVELS ARE INSTALLED IN AREAS TO BE PAVED; B. A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED; C. A MINIMUM OF 3" OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIP RAP HAS BEEN INSTALLED; OR EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED. 9. IF, DURING CONSTRUCTION, IT BECOMES APPARENT THAT ADDITIONAL EROSION AND SEDIMENT CONTROL DEVICES ARE REQUIRED, THE OWNER SHALL BE REQUIRED TO INSTALL THE NECESSARY DEVICES OR CONSULT WITH THE ENGINEER. 10. ALL STORMWATER FLOWS SHALL NOT BE DIRECTED TO THE STORMWATER MEASURES UNTIL ALL CONTRIBUTING AREAS HAVE BEEN DEEMED STABLE. ALL DITCHES AND SWALES SHALL BE STABILIZED PRIOR TO DIRECTING RUNOFF TO THEM. 11. COMPLETE GRADING ACTIVITIES AND WHEN COMPLETE, BEGIN TOPSOILING PROPOSED TURF AREAS USING STOCKPILED LOAM SUPPLEMENTED WITH BORROW LOAM, IF NECESSARY, TO LEAVE THE SPECIFIED THICKNESS. 	 B. A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED; C. A MINIMUM OF 3" OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIP RAP HAS BEEN INSTALLED; OR EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED. 9. IF, DURING CONSTRUCTION, IT BECOMES APPARENT THAT ADDITIONAL EROSION AND SEDIMENT CONTROL DEVICES ARE REQUIRED, THE OWNER SHALL BE REQUIRED TO INSTALL THE NECESSARY DEVICES OR CONSULT WITH THE ENGINEER. 10. ALL STORMWATER FLOWS SHALL NOT BE DIRECTED TO THE STORMWATER MEASURES UNTIL ALL CONTRIBUTING AREAS HAVE BEEN DEEMED STABLE. ALL DITCHES AND SWALES SHALL BE STABILIZED PRIOR TO DIRECTING RUNOFF TO THEM. 11. COMPLETE GRADING ACTIVITIES AND WHEN COMPLETE, BEGIN TOPSOILING PROPOSED TURF AREAS USING STOCKPILED LOAM SUPPLEMENTED WITH BORROW LOAM, IF NECESSARY, TO LEAVE THE SPECIFIED THICKNESS. 	CONTRIBUTING AREAS HAVE BEEN DEEMED STABLE. ALL DITCHES AND SWALES SHALL BE STABILIZED PRIOR TO DIRECTING RUNOFF TO THEM. 11. COMPLETE GRADING ACTIVITIES AND WHEN COMPLETE, BEGIN TOPSOILING PROPOSED TURF AREAS USING STOCKPILED LOAM SUPPLEMENTED WITH BORROW LOAM, IF NECESSARY, TO LEAVE THE SPECIFIED THICKNESS.	 SHALL BE TEMPORARILY SEEDED WITH WINTER RYE AND BE SURROUNDED BY PERIMETER CONTROLS TO PREVENT EROSION. THIS PROJECT IS TO BE MANAGED IN A MANOR THAT MEETS THE REQUIREMENTS AND INTENT OF RSA 430:53 AND CHAPTER AGR 3800 RELATIVE TO INVASIVE SPECIES. ALL PERMANENT EROSION CONTROL MEASURES AND DETENTION FACILITIES SHOULD BE INSTALLED PRIOR TO GRADING FOR PROJECT. COMMENCE EARTHWORK OPERATIONS. ALL DRAINAGE SYSTEMS AND OTHER UTILITIES SHOULD BE CONSTRUCTED FROM LOW GRADE TO HIGH GRADE. INCOMPLETE WORK SHALL BE PROTECTED FROM SILTATION BY THE USE OF PERIMETER CONTROLS UNTIL THE SITE HAS BECOME FULLY STABILIZED. AN AREA SHALL BE CONSIDERED STABLE IF ONE OF THE FOLLOWING HAS OCCURRED: A. BASE COURSE GRAVELS ARE INSTALLED IN AREAS TO BE PAVED; B. A MINIMUM OF 3% VEGETATED GROWTH HAS BEEN ESTABLISHED; C. A MINIMUM OF 3% OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIP RAP HAS BEEN INSTALLED; OR EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED. 9. IF, DURING CONSTRUCTION, IT BECOMES APPARENT THAT ADDITIONAL EROSION AND SEDIMENT CONTROL DEVICES ARE REQUIRED. THE OWNER SHALL BE REQUIRED TO INSTALL THE NECESSARY DEVICES OR CONSULT WITH THE ENGINEER. 10. ALL STORMWATER FLOWS SHALL NOT BE DIRECTED TO THE STORMWATER MEASURES UNTIL ALL CONTRIBUTING AREAS HAVE BEEN DEEMED STABLE. ALL DITCHES AND SWALES SHALL BE STABILIZED PRIOR TO DIRECTING RUNOFF TO THEM. 11. COMPLETE GRADING ACTIVITIES AND WHEN COMPLETE, BEGIN TOPSOILING PROPOSED TURF AREAS USING STOCKPILED LOAM SUPPLEMENTED WITH BORROW LOAM, IF NECESSARY, TO LEAVE THE SPECIFIED THICKNESS.

LL MEASURES IN THE PLAN SHALL MEET AS A MINIMUM THE BEST MANAGEMENT PRACTICES SET FORTH IN VOLUME 3 OF THE NEW	
AMPSHIRE STORMWATER MANUAL "EROSION AND SEDIMENT CONTROLS DURING CONSTRUCTION" AS PUBLISHED AND AMENDED BY THE	
EW HAMPSHIRE DEPARTMENT OF ENVIRONMENTAL SERVICES.	
HIS PROJECT IS TO BE MANAGED IN A MANOR THAT MEETS THE REQUIREMENTS AND INTENT OF RSA 430:53 AND CHAPTER AGR	
800 RELATIVE TO INVASIVE SPECIES.	
HENEVER PRACTICAL, NATURAL VEGETATION SHALL BE RETAINED, PROTECTED OR SUPPLEMENTED. THE STRIPPING OF VEGETATION	
HALL BE DONE IN A MANNER THAT MINIMIZES SOIL EROSION.	
PPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO LAND DISTURBANCE.	
HE AREA OF DISTURBANCE SHALL BE KEPT TO A MINIMUM. DISTURBED AREAS REMAINING IDLE FOR MORE THAN 30 DATS SHALL BE	
TADILIZED. I asildes suali de taken to control eposion within the droject area - sediment in rinder water suali de tradred	
IN RETAINED WITHIN THE PROJECT AREA USING APPROVED MEASURES	
LI TEMPORARY FROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED IN FUNCTIONING CONDITION UNTIL FINAL SITE	
TABILIZATION IS ACCOMPLISHED.	
LL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED AFTER FINAL SITE STABILIZATION. TRAPPED	
EDIMENT AND OTHER DISTURBED SOIL AREAS RESULTING FROM THE REMOVAL OF TEMPORARY MEASURES SHALL BE PERMANENTLY	
TABILIZED WITHIN 30 DAYS UNLESS CONDITIONS DICTATE OTHERWISE.	
HE TOWN OF MILFORD SHALL RESERVE THE RIGHT TO REQUIRE FURTHER EROSION CONTROL PRACTICES DURING CONSTRUCTION	
HOULD THEY FIND IT NECESSARY.	
HE RESPONSIBLE PARTY SHALL INSTALL, INSPECT, REPORT, OPERATE, AND MAINTAIN ALL STORMWATER MANAGEMENT AND EROSION	
ONIROL MEASURES REQUIRED BY THESE PLANS.	
EMPORARY EROSION CONTROL MEASURES SHALL BE INSTALLED IN STRICT ACCORDANCE WITH PROJECT PLANS. IN ADDITION, SIMILAR	
EASURES SHALL BE INSTALLED WHERE AND WHEN THE FIELD CONDITION, OR FIELD OPERATION OF THE INDIVIDUAL SITE	
UNITACIUR, MAT WARRANI. Un disturded adeas decimated to be tude suall deceive a minimum adducation of a incluse of Loam (compacted	
LL DISTORBED AREAS DESIGNATED TO BE TORF, SHALL RECEIVE A MINIMUM APPLICATION OF 4 INCHES OF LOAM (COMPACIED	
HICKNESS), PRIOR IO FINAL SEEDING AND MOLOHING. I the event that during construction of any dortion of this drolegt a winter shutdown is necessary the	
N THE EVENT THAT, DURING CONSTRUCTION OF ANT FORTION OF THIS FROMED, A WINTER SHOTDOWN IS NECESSART, THE	
UMINATE SHET FLOW ACROSS FROZEN SUFFACES	
UST SHALL BE CONTROLLED BY THE USE OF WATER AS NECESSARY THROUGHOUT THE CONSTRUCTION PERIOD. IN ACCORDANCE WITH	
NV-A 1000.	
N NO WAY ARE THOSE TEMPORARY EROSION CONTROL MEASURES INDICATED ON THESE PLANS TO BE CONSIDERED ALL INCLUSIVE.	
HE CONTRACTOR SHALL USE JUDGEMENT IN INSTALLING SUPPLEMENTARY EROSION CONTROL MEASURES WHERE AND WHEN SPECIFIC	
ITE CONDITIONS AND/OR CONSTRUCTION METHODOLOGIES MAY WARRANT.	
ARTHWORK SHALL BÉ LIMITED TO THE AREAS WITHIN THE LIMITS OF CLEARING AS SHOWN ON THE PLAN. AT NO TIME SHALL MORE	
HAN FIVE (5) ACRES OF SITE AREA BE IN AN UNSTABLE CONDITION. NO GIVEN AREA OF THE SITE SHALL BE LEFT IN AN	
NSTABILIZED CONDITION FOR A PERIOD OF TIME EXCEEDING THIRTY (30) CALENDAR DAYS.	
HE SMALLEST PRACTICAL AREA SHALL BE DISTURBED DURING CONSTRUCTION, BUT IN NO CASE SHALL EXCEED 5 ACRES AT ANY	
NE TIME BEFORE DISTURBED AREAS ARE STABILIZED.	
ERIMETER CONTROLS MUST BE INSTALLED PRIOR TO EARTHWORK.	
ROSION CONTROL MEASURES USED SHALL BE INSPECTED AT LEAST WEEKLY AND WITHIN 24 HOURS AFTER 0.25" OF RAINFALL OR	
ORE. ALL DEFICIENCIES SHALL BE FIXED IN ORDER TO KEEP OPERATION EFFECTIVE. THEY SHALL BE CLEANED AND MAINTAINED	
ND OTHERWISE KEPT IN AN EFFECTIVE OPERATING MANNER THROUGHOUT THE CONSTRUCTION PERIOD.	
LL STORMWATER PRACTICES AND DRAINAGE SWALES ARE TO BE INSTALLED PRIOR TO ROUGH GRADING OF THE SITE. THEY SHOULD	
E FUELY STABILIZED PRIOR TO RECEIVING STORMWATER. PERIODIC INSPECTION AND MAINTENANCE TO MAINTAIN DESIGN INTENT IS	
EQUIRED.	
LE DISTURBED AREAS DESIGNATED TO BE TURF, SHALL RECEIVE THE REQUIRED AMOUNT OF LOAM (COMPACTED THICKNESS), PRIOR	
U FINAL SEEDING AND MULCHING. Filidia construction a winter shittown is necessary the contractor shall starilize all incomplete work and	
ROVIDE FOR SUITABLE METHODS OF DIVERTING RUNOFE IN ORDER. TO FUMINATE SHEFT FUOW ACROSS FROZEN SURFACES	
N AREA SHALL BE CONSIDERED STABLE IF ONE OF THE FOLLOWING HAS OCCURRED.	
A. BASE COURSE GRAVELS ARE INSTALLED IN AREAS TO BE PAVED:	
B. A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED:	

- C. A MINIMUM OF 3" OF NON-EROSIVE MATERIAL SUCH AS STONE OR
- RIP RAP HAS BEEN INSTALLED; OR
- D. EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED. DUST SHALL BE CONTROLLED BY THE USE OF WATER IN ACCORDANCE WITH ENV-A 1000.

DURING CONSTRUCTION. IT BECOMES APPARENT THAT ADDITIONAL EROSION AND SEDIMENT CONTROL DEVICES ARE REQUIRED, THE NER SHALL BE REQUIRED TO INSTALL THE NECESSARY DEVICES OR CONSULT WITH THE ENGINEER. TE MATTING INSTALLED TO CONFORM WITH THE RECOMMENDED BEST MANAGEMENT PRACTICE OUTLINED IN VOLUME 3 OF THE NEW MPSHIRE STORMWATER MANUAL 'EROSION AND SEDIMENT CONTROLS DURING CONSTRUCTION" ON ALL 3:1 SLOPES OR GREATER. ROADWAYS AND PARKING AREAS SHALL BE STABILIZED WITHIN 72 HOURS. . CUT AND FILL SLOPES SHALL BE SEEDED AND MULCHED WITHIN 72 HOURS.

ROSION CONTROL NOTES

. PROPOSED POST-DEVELOPMENT VEGETATED AREAS WHICH DO NOT EXHIBIT A MINIMUM OF 85% EGETATIVE GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE FABILIZED BY SEEDING AND INSTALLING EROSION CONTROL BLANKETS ON SLOPES GREATER THAN 3:1, ND SEEDING AND PLACING 3 TO 4 TONS OF MULCH PER ACRE, SECURED WITH ANCHORED NETTING, LSEWHERE. THE PLACEMENT OF EROSION CONTROL BLANKETS OR MULCH AND NETTING SHALL NOT BE ONE OVER ACCUMULATED SNOW OR ON FROZEN GROUND AND SHALL BE COMPLETED IN ADVANCE OF HAW OR SPRING MELT EVENTS. L DITCHES OR SWALES WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER TH. OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE STABILIZED WITH STONE OR EROSION ONTROL BLANKETS APPROPRIATE FOR THE DESIGN FLOW CONDITIONS. FTER OCTOBER 15TH, INCOMPLETE ROAD SHALL BE PROTECTED WITH A MINIMUM OF 3 INCHES OF RUSHED GRAVEL (NHDOT 304.3).

NTER CONSTRUCTION NOTES

- LEFT SMOOTH ENOUGH TO ENABLE MOWING.
- ROLLED. PARTICLES.
- STAND.

- SATISFACTORY GROWTH.
- MIXTURE.
- TO PREVENT THEM FROM DOMINATING THE DESIRED GRASS PLANTS

- 6. WHEN SEEDING LARGE AREAS AND/OR STEEP SLOPES APPLY LIME, SEED, AND FERTILIZER WITH A BULLDOZÉR OR APPLY MULCH.
- WITH CONVENTIONAL SEEDING.

MIX 1 (WARM SEAS	SON GRASSES)
KIND OF SEED	POUNDS/ACRI
SWITCHGRASS TRAILBLAZER	6
BIG BLUESTEM NIAGARA	4
LITTLE BLUESTEM	2
SAND LOVEGRASS	4
	•
MIX 2 (LEGUMES AND COO	DL SEASON GRASSES
KIND OF SEED	POUNDS/ACR
FLATPEA	10
PERENNIAL PEA	2
CROWN VETCH	10
TALL FESCUE	10
	ŀ
MIX 3 (COOL SEASON GRA	ASSES AND LEGUMES
KIND OF SEED	POUNDS/ACR
TALL FESCUE	20
REDTOP	2
BIRDSFOOT TREFOIL	8

- TURF ESTABLISHMENT SPECIFICATIONS
- SECONDARY CONTAINMENT EQUIPMENT USED DURING MOBILE FUELING SHOULD BE SIZED TO CONTAIN THE MOST LIKELY VOLUME OF FUEL TO BE SPILLED DURING A FUEL TRANSFER.
- FROM THE FUEL DELIVERY TRUCK.
- 5. PERSONNEL MUST ATTEND TO THE FUELING PROCESS TO ENSURE THAT ANY SPILLS WILL BE OF LIMITED VOLUME 4. SECONDARY CONTAINMENT FOR OUTDOOR STORAGE AREAS (FOR FUEL OR OTHER REGULATED SUBSTANCES) MUST BE COVERED WITH A ROOF, PLASTIC SHEETING, OR WATERPROOF TARPAULINS TO KEEP CONTAINERS DRY, EXCEPT WHEN MATERIALS ARE BEING ADDED OR REMOVED. THE THE LARGEST STORAGE TANK. FOR RELATIVELY SMALL STORAGE AREAS, SPILL CONTAINMENT PALLETS AND COVERS ARE COMMERCIALLY
- AVAILABLE. 5. IF ANY OF THE FOLLOWING OCCURS, THE SPILL MUST BE IMMEDIATELY REPORTED TO THE NHDES AT (603) 271-3899 OR STATE POLICE AT (603) 223-4381 AFTER 4 P.M. ON WEEKDAYS OR ON WEEKENDS:
 - THE SPILL IS 25 GALLONS OR MORE THE SPILL IS NOT CONTAINED IMMEDIATELY.
 - THE SPILL AND CONTAMINATION ARE NOT COMPLETELY REMOVED WITHIN 24 HOURS. D. THERE IS IMPACT OR POTENTIAL IMPACT TO GROUNDWATER OR SURFACE WATER.

MOBILE FUELING NOTES

ALL AREAS TO BE SEEDED SHALL BE PREPARED TO PROVIDE A REASONABLY FIRM BUT FRIABLE SEED BED. SLOPED AREAS SHALL NOT BE LEFT TOO SMOOTH; THE SURFACE SHALL BE LEFT IN A RUFFLED CONDITION SUCH AS MAY BE PRODUCED BY THE USE OF TRACKED VEHICLES RUN UP AND DOWN THE SLOPES. SMOOTH, COMPACTED SLOPES, SUCH AS FROM BLADING, WHICH MIGHT ALLOW THE FREE FLOW OF WATER DOWN THEM SHALL BE DISKED, HARROWED, DRAGGED WITH A CHAIN OR MAT, MACHINE-RAKED, OR HAND-WORKED TO GIVE THE EFFECT OF MINIATURE TERRACES, PARTICULARLY IN SILTY OR CLAYEY SOILS. THE SLOPES SHALL BE

LAWN AREAS, SUCH AS WHERE LOAM HAS BEEN SPREAD, SHALL BE PREPARED FOR SEEDING. THE LOAM SHALL BE SPREAD UPON THE PREVIOUSLY PREPARED SUBGRADE SURFACE TO THE DEPTH OF 4" ± 1/2" UNLESS OTHERWISE SPECIFIED AND SHALL BE RAKED CAREFULLY TO REMOVE ALL OBJECTIONABLE MATERIALS. LOAM SHALL BE SPREAD IN SUCH A MANNER AS TO ESTABLISH A LOOSE, FRIABLE SEEDBED. IN ORDER TO MAINTAIN A CONSISTENT GRADE, LOAM PLACED ADJACENT TO LAWNS OR WHERE DIRECTED SHALL BE COMPACTED WITH A ROLLER WEIGHING APPROXIMATELY 100 POUNDS PER FOOT OF ROLLER WIDTH. ALL DEPRESSIONS EXPOSED DURING THE ROLLING PROCEDURE SHALL BE FILLED WITH ADDITIONAL LOAM, AND

LOAM SHALL CONSIST OF LOOSE FRIABLE TOPSOIL WITH NO ADMIXTURE OF REFUSE OR MATERIAL TOXIC TO PLANT GROWTH. LOAM SHALL BE FREE OF VIABLE PARTS OF PROHIBITED INVASIVE PLANTS LISTED IN TABLE 3800.1 OF PART AGR 3800. LOAM SHALL BE GENERALLY FREE FROM STONES, LUMPS, STUMPS, OR SIMILAR OBJECTS LARGER THAN 2"IN GREATEST DIAMETER, SUBSOIL, ROOTS, AND WEEDS. THE MINIMUM AND MAXIMUM PH VALUE SHALL BE FROM 5.5 TO 7.6. LOAM SHALL CONTAIN A MINIMUM OF 3 PERCENT AND A MAXIMUM OF 10 PERCENT OF ORGANIC MATTER AS DETERMINED BY LOSS BY IGNITION. NOT MORE THAN 65 PERCENT SHALL PASS A NO. 200 SIEVE AS DETERMINED BY THE WASH TEST IN ACCORDANCE WITH ASTM D 1140. IN NO INSTANCE SHALL MORE THAN 20% OF THAT MATERIAL PASSING THE NO. 4 SIEVE CONSIST OF CLAY SIZE

ALL AREAS TO BE SEEDED SHALL MEET THE SPECIFIED GRADES AND SHALL BE FREE OF GROWTH AND DEBRIS. CARE SHALL BE TAKEN TO PREVENT THE FORMATION OF LOW PLACES AND POCKETS WHERE WATER WILL

WHERE RYEGRASS HAS BEEN PLANTED FOR TEMPORARY EROSION CONTROL AND HAS NOT BEEN ELIMINATED PRIOR TO THE COMPLETION OF THE WORK, SUCH AREAS SHALL BE DISC-HARROWED AT LEAST 3" DEEP AND SEEDED WITH PERMANENT GRASSES TO PREVENT THE RYEGRASS FROM RESEEDING AND BECOMING COMPETITIVE WITH AND RETARDING DEVELOPMENT OF THE PERMANENT COVER.

FERTILIZER SHALL BE UNIFORMLY APPLIED. THE RATE OF APPLICATION SHALL BE A RATE OF 2.0 POUNDS OF NITROGEN PER 1,000 SQUARE FEET. NOT LESS THAN THREE MONTHS SHALL ELAPSE BETWEEN THE INITIAL FERTILIZATION AND THE REFERTILIZATION. NO REFERTILIZATION WILL BE ALLOWED BETWEEN NOVEMBER 1, OR WHEN THE GROUND HAS FROZEN, AND THE FOLLOWING APRIL 1, OR BETWEEN JUNE 1 AND THE FOLLOWING SEPTEMBER 1. REFERTILIZATION WILL BE ALLOWED BETWEEN AUGUST 15 AND 31 ONLY WHEN IT IS DETERMINED THAT THE PERMANENT GRASSES HAVE DEVELOPED WELL AND FEW WEEDS HAVE APPEARED, AND SUCH REFERTILIZATION WILL NOT TEND TO PROMOTE THE GROWTH OF NOXIOUS WEEDS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING AND CARING FOR SEEDED AREAS UNTIL ACCEPTANCE OF THE WORK. CONTRACTOR SHALL REPAIR AT HIS OWN EXPENSE ANY DAMAGE TO SEEDED AREAS CAUSED BY PEDESTRIAN OR VEHICULAR TRAFFIC OR OTHER CAUSES. 10. THE SEEDED AREAS SHALL BE CAREFULLY AND SUITABLY WATERED AS NECESSARY TO PRODUCE A

11. AREAS SEEDED WITH PARK SEED SHALL BE MOWED WHENEVER NECESSARY TO KEEP THE GROWTH BETWEEN 3 AND 6" IN ORDER TO ALLOW LIGHT TO PENETRATE TO THE SHORTER, SLOWER GROWING SPECIES IN THE

12. AREAS SEEDED WITH SLOPE SEED MAY BE ORDERED MOWED WHENEVER THE CONTRACT EXTENDS INTO A SECOND GROWING SEASON. WEEDS GROWING IN AREAS SEEDED WITH THE SLOPE SEED SHALL BE CUT BACK

3. SELECT ONE OF THE GRASS/LEGUME MIXES BASED ON THE PERCENT WEIGHT PASSING A NO. 200 SIEVE AS OUTLINED ABOVE. MIX 2 IS RECOMMENDED IF SUPPRESSION OF WOODY GROWTH IS DESIRED AND THERE ARE MORE THAN 15 PERCENT FINES. THE STANDARD CONSERVATION MIXES AVAILABLE FROM LOCAL SEED SUPPLIERS ARE NOT RECOMMENDED ON DROUGHTY SITES. THESE MIXES USUALLY PROVIDE A GREEN COVER VERY QUICKLY, BUT THE PLANT SPECIES BEGIN TO DIE IN 2-4 YEARS ON STERILE AND DROUGHTY SITES.

14. FOR MIX 1, IN LIEU OF A SOIL TEST, LIME AT THE RATE OF 1 TON/ACRE (50 LBS/1,000 SQ FT). FERTILIZE WITH 500 LBS/ACRE (11 LBS/1,000 SQ FT) OF 10-20-20 OR EQUIVALENT. INCORPORATE LIME, FERTILIZER. AND SEED USING RAKES IF SEEDING IS DONE BY HAND. IT IS STRONGLY RECOMMENDED TO USE A BULLDOZER TO "TRACK" THE SITE AFTER SEEDING. TRACKING WILL INCORPORATE THE LIME, FERTILIZER, AND SEED TO PROMOTE SEED GERMINATION. FOR MIXES 2 & 3, IN LIEU OF A SOIL TEST, LIME AT THE RATE OF 2 TONS/ACRE (90 LBS/1,000 SQ FT). FERTILIZE WITH 500 LBS/ACRE (11 LBS/1,000 SQ FT) OF 10-20-20 OR EQUIVALENT. THE SEED NEEDS TO BE INCORPORATED TO ENSURE SUCCESS AND TO SHORTEN ESTABLISHMENT TIME. THIS IS ESPECIALLY TRUE OF MIXES 1 AND 2, AND IS MOST CRITICAL FOR THE LARGE SEEDED LEGUMES IN MIX 2. ON THE FLATTER SLOPES, USE A BULLDOZER TO "TRACK IN" THE SEED.

5. WHEN MULCHING FOR MIX 1, WEED FREE MULCH, CLEAN STRAW IS RECOMMENDED. MULCH AT THE MAXIMUM RATE OF 500-700 LBS/ACRE. HIGHER MULCHING RATES AND MULCH WITH WEED SEED CONTENT WILL INHIBIT SEEDING SUCCESS SIGNIFICANTLY. IF THE EROSION HAZARD IS LOW AND THE SEED IS INCORPORATED, MULCHING IS NOT NECESSARY FOR SEEDING SUCCESS. DO NOT APPLY MULCH PRIOR TO TRACKING WITH A BULLDOZER. WHEN MULCHING FOR MIXES 2 & 3, MULCH WITH WEED FREE HAY OR STRAW AND MULCH AT THE RATE OF 2-3 TONS/ACRE FOR MIX 2 AND 12 TONS/ACRE FOR MIX 3. THE HIGHER MULCHING RATE IS RECOMMENDED WHERE SEED INCORPORATION IS DIFFICULT. THIS IS ESPECIALLY CRITICAL FOR MIX 2.

HYDROSEEDER AND, DEPENDING ON THE CONSISTENCY OF THE SOIL MATERIAL, STEEPNESS OF SLOPE, AND SEED MIXTURE USED: (A) PRESS THE SEED INTO THE SOIL BY TRACKING WITH A BULLDOZER, OR (B) COVER THE SEED BY WALKING BACK AND FORTH OVER STEEP LOOSE SANDY SLOPES, OR (C) APPLY MULCH AND A TACKIFIER TO HOLD THE MULCH IN PLACE. WHEN SEEDING FLAT TO GENTLY SLOPING AREAS (2:1 SLOPES MAXIMUM) APPLY LIME, SEED AND FERTILIZER USING FARM TYPE SPREADERS AND TRACK THE SITE WITH A

7. PRIMARY SEEDING DATES BEGIN AS SOON AS THE SNOW MELTS IN THE SPRING AND ENDS MAY 15. THE IMPORTANCE OF EARLY SEEDING CANNOT BE OVEREMPHASIZED. THIS IS ESPECIALLY TRUE FOR MIX 1 DEPENDING ON WEATHER CONDITIONS, SUBSTANTIAL FAILURE CAN BE EXPECTED IF SEEDING IS DONE LATER. LATE SUMMER AND EARLY FALL SEEDLINGS ARE NOT RECOMMENDED FOR MIZES 1 AND 2. IF LATE SEEDINGS OF MIXES 1 AND 2 ARE NECESSARY. THEY SHOULD BE DONE AFTER OCTOBER 20 TO PREVENT FALL GERMINATION AND SUBSEQUENT WINTERKILL. MIX 3 CAN ALSO BE SEEDED FROM AUGUST 15 TO SEPTEMBER

18. THE PLANT SPECIES IN MIXES 1 AND 2 GERMINATE AND GROW SLOWLY. COMPLETE COVER MAY NOT OCCUR FOR 2-4 YEARS. HOWEVER, A WELL-ESTABLISHED STAND WILL ENDURE FOR YEARS. FOLLOW-UP SEEDING MAY BE NEEDED TO ESTABLISH VEGETATION ON THE MORE DIFFICULT PARTS OF SOME SITES. THE NEED TO DO FOLLOW-UP SEEDING CAN BE DETERMINED THE YEAR AFTER THE INITIAL PLANTING.

. PORTABLE CONTAINMENT EQUIPMENT SHOULD BE POSITIONED TO CATCH ANY FUEL SPILLS DUE TO OVERFILLING THE EQUIPMENT AND ANY OTHER SPILLS THAT MAY OCCUR AT OR NEAR THE FUEL FILLER PORT TO THAT EQUIPMENT. THE SELECTION OF CONTAINMENT EQUIPMENT AND ITS POSITIONING AND USE SHOULD TAKE INTO ACCOUNT ALL OF THE DRIP POINTS ASSOCIATED WITH THE FUEL FILLING PORT AND THE HOSE

AREA MUST BE KEPT FREE OF RAIN. SNOW. AND ICE TO ENSURE SUFFICIENT CONTAINMENT VOLUME REMAINS TO CONTAIN A RELEASE FROM

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PROTECTED SPECIES INFORMATION:

WOOD TURTLE (GLYPTEMYS INSCULPTA)

<u>NH CONSERVATION STATUS:</u> SPECIES OF SPECIAL CONCERN, WILDLIFE ACTION PLAN SPECIES IN GREATEST NEED OF CONSERVATION. LEGALLY PROTECTED IN NEW HAMPSHIRE: POSSESSION, SALE, IMPORT, AND TAKE (HARM, HARASS, INJURING,

STATE RANK STATUS: VULNERABLE TO EXTIRPATION AND EXTINCTION.

DISTRIBUTION: THROUGHOUT NH EXCEPT REGIONS OF HIGH ELEVATION.

DESCRIPTION: A 5-8 INCH TURTLE CHARACTERIZED BY ITS HIGHLY SCULPTED SHELL WHERE EACH LARGE SCUTE TAKES AN IRREGULAR PYRAMIDAL SHAPE. THE NECK AND FORELIMBS ARE ORANGE.

COMMONLY CONFUSED SPECIES: JUVENILE SNAPPING TURTLES.

HABITAT: FOUND IN SLOW-MOVING STREAMS AND CHANNELS WITH SANDY BOTTOMS. EXTENSIVE USE OF TERRESTRIAL HABITATS DURING SUMMER, INCLUDING FLOODPLAINS, MEADOWS, WOODLANDS, FIELDS, AS WELL AS WETLANDS.

LIFE HISTORY: LAY 4-12 EGGS IN SHALLOW DEPRESSIONS IN SANDY, WELL-DRAINED SOILS. NEST SITES ARE USUALLY NEAR STREAMS BUT MAY ALSO BE IN CLEARINGS, AGRICULTURAL FIELDS, OR OTHER DISTURBED AREAS. HIBERNATE IN SLOW-MOVING STREAMS AND RIVERS UNDER RIVERBANKS, ROOT MASSES, OR WOODY DEBRIS.

CONSERVATION THREATS: ROAD MORTALITY, HABITAT LOSS AND FRAGMENTATION, STREAM ALTERATION, HUMAN COLLECTION, AND INCREASED ABUNDANCE OF SUBSIDIZED

SOURCE: NEW HAMPSHIRE FISH AND GAME DEPARTMENT © HTTPS: //WILDLIFE.STATE.NH.US/WILDLIFE/PROFILES/WOOD-TURTLE.HTML

WILDLIFE PROTECTION NOTES:

• ALL OBSERVATIONS OF THREATENED OR ENDANGERED SPECIES SHALL BE REPORTED IMMEDIATELY TO THE NEW HAMPSHIRE FISH AND GAME DEPARTMENT NONGAME AND ENDANGERED WILDLIFE ENVIRONMENTAL REVIEW PROGRAM BY PHONE AT 603-271-2461 AND BY EMAIL AT NHFGREVIEW@WILDLIFE.NH.GOV. EMAIL SUBJECT LINE: NHB22-1680, NHB21-0316, KEENE SAND AND GRAVEL, WILDLIFE PHOTOGRAPHS OF THE OBSERVED SPECIES AND NEARBY ELEMENTS OF HABITAT OR AREAS OF LAND DISTURBANCE SHALL BE PROVIDED TO NHF&G IN DIGITAL FORMAT AT THE ABOVE EMAIL ADDRESS FOR VERIFICATION AS FEASIBLE. IN THE EVENT A THREATENED OR ENDANGERED SPECIES IS OBSERVED ON THE PROJECT SITE DURING THE TERM OF THE PERMIT, THE SPECIES SHALL NOT BE DISTURBED, HANDLED, OR HARMED IN ANY WAY PRIOR TO CONSULTATION WITH NHF&G AND IMPLEMENTATION OF CORRECTIVE ACTIONS RECOMMENDED BY NHF&G, IF ANY, TO ASSURE THE PROJECT DOES NOT APPRECIABLY JEOPARDIZE THE CONTINUED EXISTENCE OF THREATENED AND ENDANGERED SPECIES AS DEFINED IN • THE NHF&G, INCLUDING ITS EMPLOYEES AND AUTHORIZED AGENTS, SHALL HAVE ACCESS TO THE PROPERTY DURING THE TERM OF THE PERMIT.

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