

Chester Planning Board

> 84 Chester Street Chester, NH 03036 Tel. (603) 887-3636 Ext. 105 E-Mail: Planning@ChesterNH.org

Notice of Public Hearing

The Chester Planning Board will hold Public Hearings on Wednesday, **September 28th**, **2022** at 7:15 P.M. in the Meeting Room at the Municipal Office Building, 84 Chester Street to act on the following:

1. Site Plan Review application by Old Sandown RD, LLC (owner – Paul Garabedian, Jr.) 352 South Broadway Street, Salem NH 03079, for a gravel pit located at 152 Fremont Road in Chester, NH (Map 5, Lot 85).

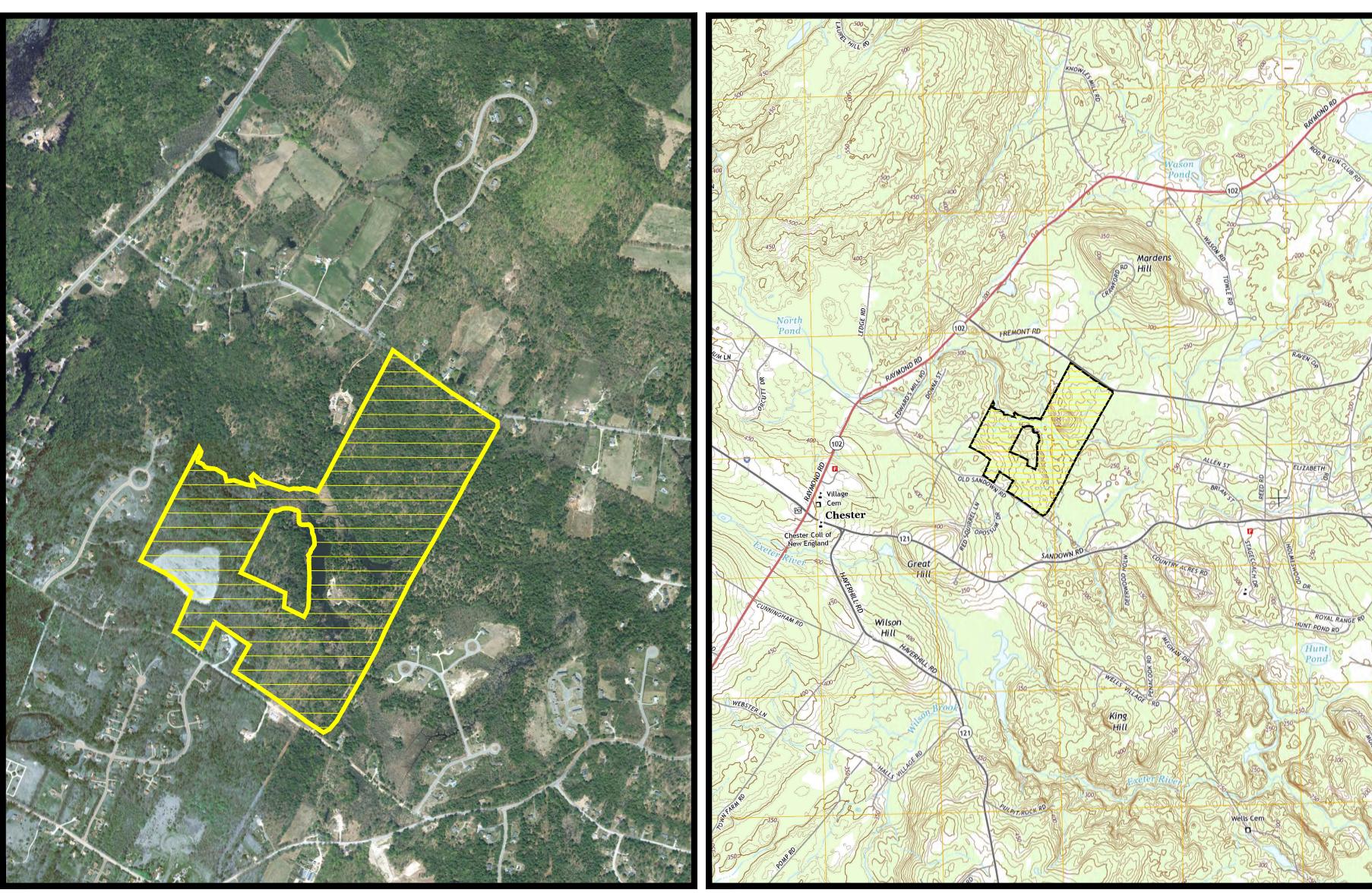
These documents can be viewed online, or during regular business hours in the Planning Board's Office and the Town Clerk's Office at the Municipal Office Building. Questions and/or comments should be directed to the Planning Board Office.

The meeting will also be broadcast live on Channel 20, and available on the Town's cable TV streaming service - go to <u>http://www.vod.chesterctv.com</u> and click "Watch Now".

Brian Sullivan Chairman

Posted: ALH 9/6/22

CHESTER GRAVEL PIT 152 FREMONT ROAD CHESTER, NEW HAMPSHIRE



AERIAL MAP SCALE: 1" = 800'

PREPARED FOR: OLD SANDOWN ROAD, LLC 352 SOUTH BROADWAY STREET SALEM, NH 03079

 USGS
 MAP

 SCALE:
 1" = 2000'

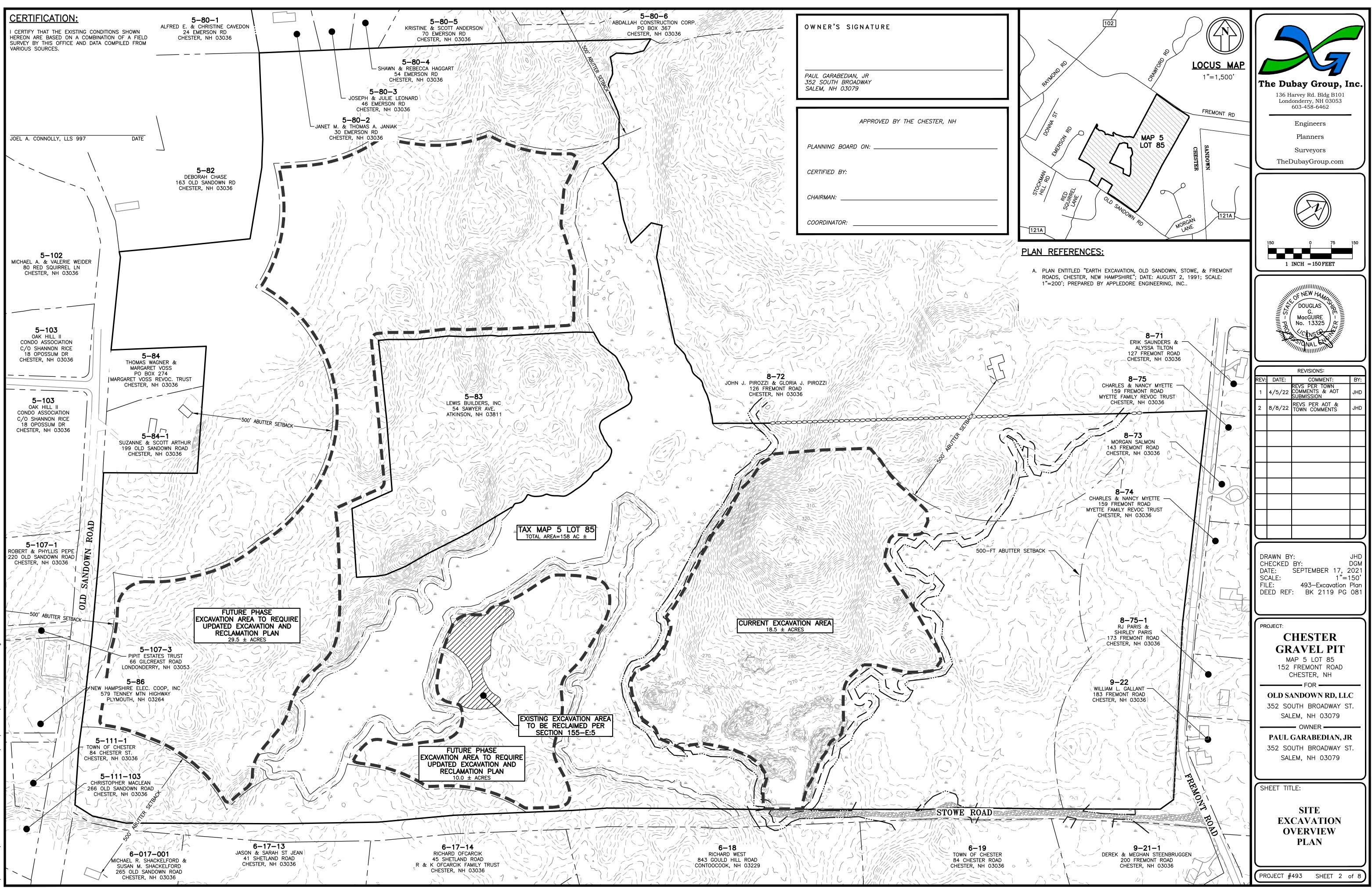
SHEET INDEX

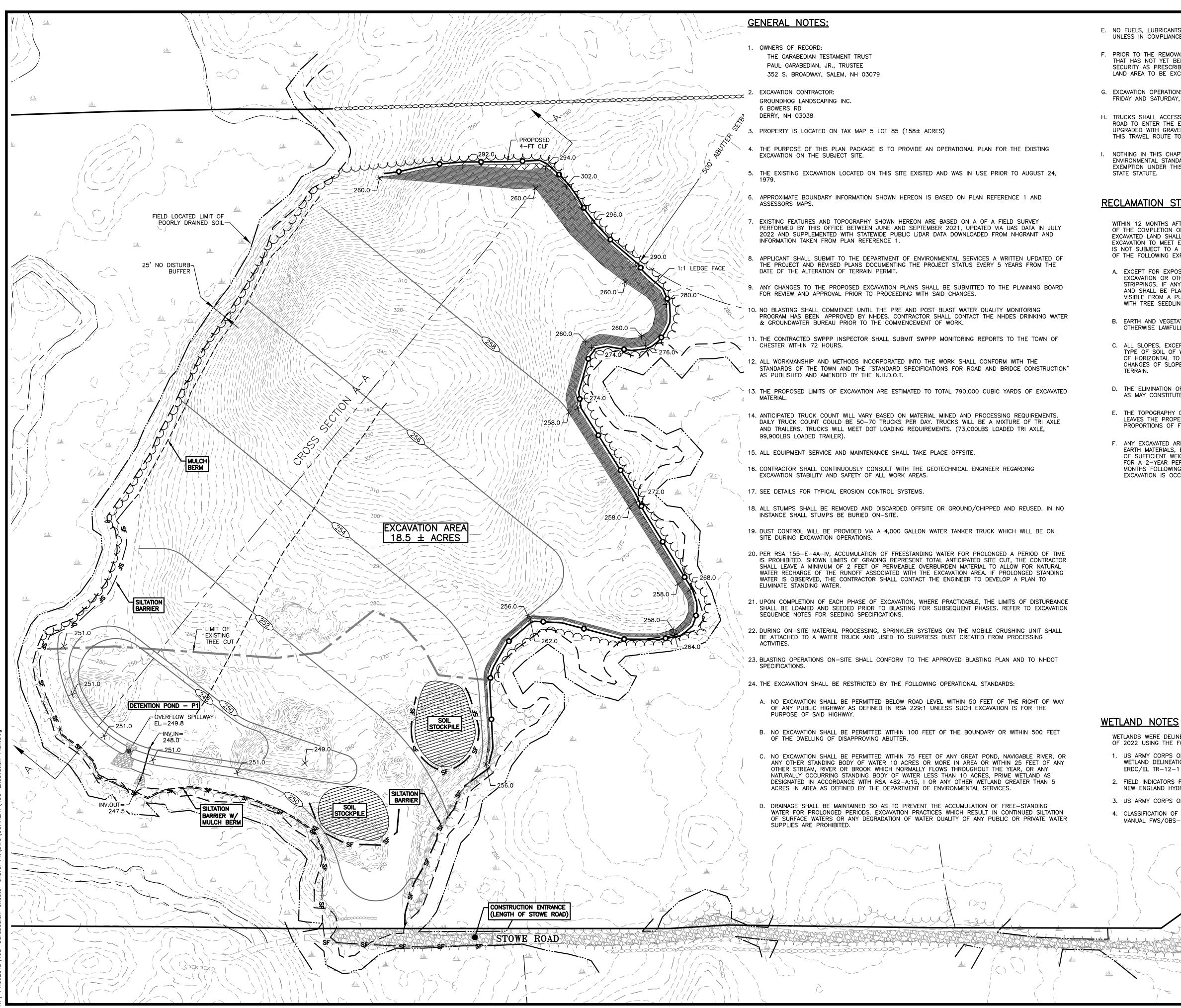
Cover Sheet
 Site Excavation Overview Plan
 Excavation & Reclamation Plan
 Cross-Section Plan
 Cut/Fill Analysis Plan
 Phasing Plan & Construction Notes
 Site Details

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: NHB21–2386, PROJECT NAME, WILDLIFE SPECIES OBSERVATION.
- 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 FIS 1002.04.
- THE NHF&G, INCLUDING ITS EMPLOYEES AND AUTHORIZED AGENTS, SHALL HAVE ACCESS TO THE PROPERTY DURING THE TERM OF THE PERMIT.

The Dubay Group, Inc.						
136 Harvey Rd. Bldg B101 Londonderry, NH 03053 603-458-6462						
Engineers						
Planners						
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2 8/8/22 REVS PER AOT & JHD						
3 8/26/22 REVS PER TOWN JHD						
DRAWN BY: JHD CHECKED BY: DGM DATE: SEPTEMBER 17, 2021 SCALE: 1"=150' FILE: 493-Excavation Plan DEED REF: BK 2119 PG 081						
PROJECT:						
CHESTER GRAVEL PIT MAP 5 LOT 85 152 FREMONT ROAD						
CHESTER, NH						
OLD SANDOWN RD, LLC 352 SOUTH BROADWAY ST. SALEM, NH 03079						
OWNER						
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PROJECT #493 SHEET 1 of 8						





E. NO FUELS, LUBRICANTS, OR OTHER TOXIC OR POLLUTING MATERIALS SHALL BE STORED ON-SITE UNLESS IN COMPLIANCE WITH STATE LAWS OR RULES PERTAINING TO SUCH MATERIALS.

F. PRIOR TO THE REMOVAL OF TOPSOIL OR OTHER OVERBURDEN MATERIAL FROM ANY LAND AREA THAT HAS NOT YET BEEN EXCAVATED, THE EXCAVATOR SHALL FILE A RECLAMATION BOND OR OTHER SECURITY AS PRESCRIBED BY THE REGULATOR, SUFFICIENT TO SECURE THE RECLAMATION OF THE LAND AREA TO BE EXCAVATED.

G. EXCAVATION OPERATIONS (START-UP TO SHUT-DOWN) MAY OCCUR 7AM-5PM MONDAY THROUGH FRIDAY AND SATURDAY, WITH NO OPERATIONS OCCURRING ON SUNDAY.

H. TRUCKS SHALL ACCESS THE SITE FROM NH ROUTE 102 (RAYMOND ROAD) AND UTILIZE FREMONT ROAD TO ENTER THE EXCAVATION SITE VIA STOWE ROAD, A CLASS VI ROADWAY WHICH HAS BEEN UPGRADED WITH GRAVEL TO ACCOMMODATE TRUCK ACCESS. TRUCKS WILL BE REQUIRED TO UTILIZE THIS TRAVEL ROUTE TO AND FROM THE SITE.

I. NOTHING IN THIS CHAPTER SHALL BE DEEMED TO SUPERSEDE OR PREEMPT APPLICABLE ENVIRONMENTAL STANDARDS OR PERMIT REQUIREMENTS CONTAINED IN OTHER STATE LAWS, AND NO EXEMPTION UNDER THIS CHAPTER SHALL BE CONSTRUED AS AN EXEMPTION FROM ANY OTHER

RECLAMATION STANDARDS:

WITHIN 12 MONTHS AFTER THE EXPIRATION DATE IN A PERMIT ISSUED UNDER THIS CHAPTER, OR OF THE COMPLETION OF ANY EXCAVATION, WHICHEVER OCCURS FIRST, THE OWNER OF THE EXCAVATED LAND SHALL HAVE COMPLETED THE RECLAMATION OF THE AREAS AFFECTED BY THE EXCAVATION TO MEET EACH OF THE FOLLOWING MINIMUM STANDARDS OR WHEN SUCH EXCAVATION IS NOT SUBJECT TO A PERMIT UNDER THIS CHAPTER PURSUANT TO RSA 155-E:2, TO MEET EACH OF THE FOLLOWING EXPRESS STANDARDS:

A. EXCEPT FOR EXPOSED ROCK LEDGE, ALL AREAS WHICH HAVE BEEN AFFECTED BY THE EXCAVATION OR OTHERWISE STRIPPED OF VEGETATION SHALL BE SPREAD WITH TOPSOIL OR STRIPPINGS, IF ANY, BUT IN ANY CASE COVERED BY SOIL CAPABLE OF SUSTAINING VEGETATION, AND SHALL BE PLANTED WITH SEEDLINGS OR GRASS SUITABLE TO PREVENT EROSION. AREAS VISIBLE FROM A PUBLIC WAY, FROM WHICH TREES HAVE BEEN REMOVED, SHALL BE REPLANTED WITH TREE SEEDLINGS, SET OUT IN ACCORDANCE WITH ACCEPTABLE HORTICULTURAL PRACTICES.

B. EARTH AND VEGETATIVE DEBRIS RESULTING FROM THE EXCAVATION SHALL BE REMOVED OR OTHERWISE LAWFULLY DISPOSED OF.

C. ALL SLOPES, EXCEPT FOR EXPOSED LEDGE, SHALL BE GRADED TO NATURAL REPOSE FOR THE TYPE OF SOIL OF WHICH THEY ARE COMPOSED SO AS TO CONTROL EROSION OR AT A RATIO OF HORIZONTAL TO VERTICAL PROPOSED BY THE OWNER AND APPROVED BY THE REGULATOR. CHANGES OF SLOPE SHALL NOT BE ABRUPT, BUT SHALL BLEND WITH THE SURROUNDING

D. THE ELIMINATION OF ANY STANDING BODIES OF WATER CREATED IN THE EXCAVATION PROJECT AS MAY CONSTITUTE A HAZARD TO HEALTH AND SAFETY.

E. 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.

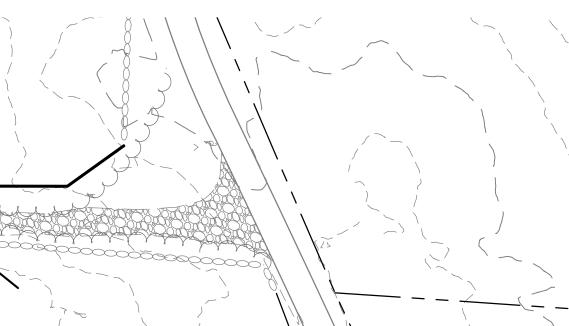
F. ANY EXCAVATED AREA OF 5 CONTIGUOUS ACRES OR MORE, WHICH IS DEPLETED OF COMMERCIAL EARTH MATERIALS, EXCLUDING BEDROCK, OR ANY EXCAVATION FROM WHICH EARTH MATERIALS OF SUFFICIENT WEIGHT OR VOLUME TO BE COMMERCIALLY USEFUL HAVE NOT BEEN REMOVED FOR A 2-YEAR PERIOD, SHALL BE RECLAIMED IN ACCORDANCE WITH 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

WETLANDS WERE DELINEATED BY LUKE HURLEY OF GOVE ENVIRONMENTAL SERVICES, INC. IN JULY OF 2022 USING THE FOLLOWING STANDARDS: 1. US ARMY CORPS OF ENGINEERS REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS

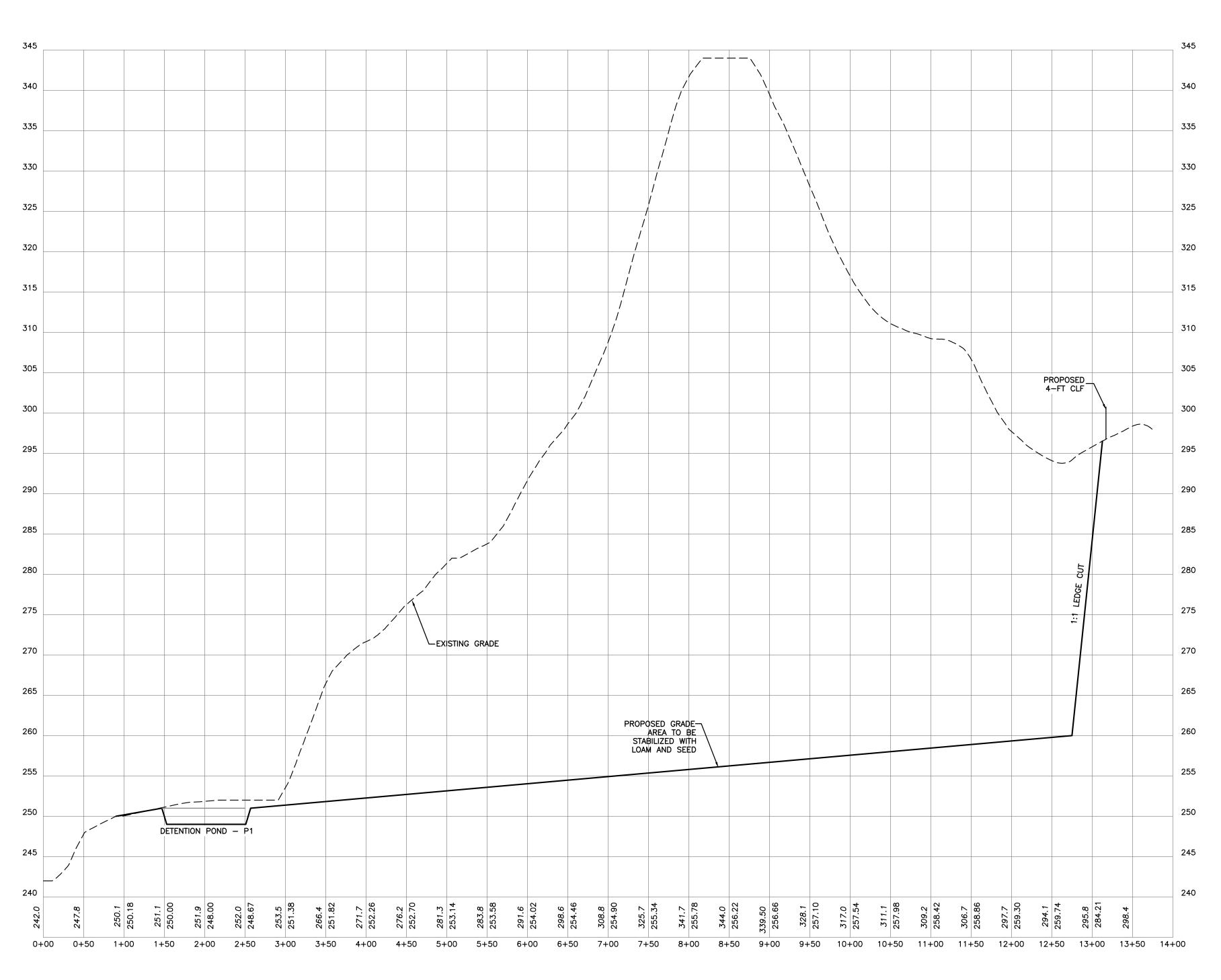
WETLAND DELINEATION MANUAL: NORTHCENTRAL AND NORTHEAST REGION, TECHNICAL REPORT ERDC/EL TR-12-1 (JANUARY 2012).

2. FIELD INDICATORS FOR IDENTIFYING HYDRIC SOILS IN NEW ENGLAND - VERSION 4, JUNE 2020. NEW ENGLAND HYDRIC SOILS TECHNICAL COMMITTEE. 3. US ARMY CORPS OF ENGINEERS NATIONAL WETLAND PLANT LIST, 2018.

4. CLASSIFICATION OF WETLANDS AND DEEPWATER HABITATS OF THE UNITED STATES. USFW MANUAL FWS/OBS-79/31 (1979).



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SECTION A-A

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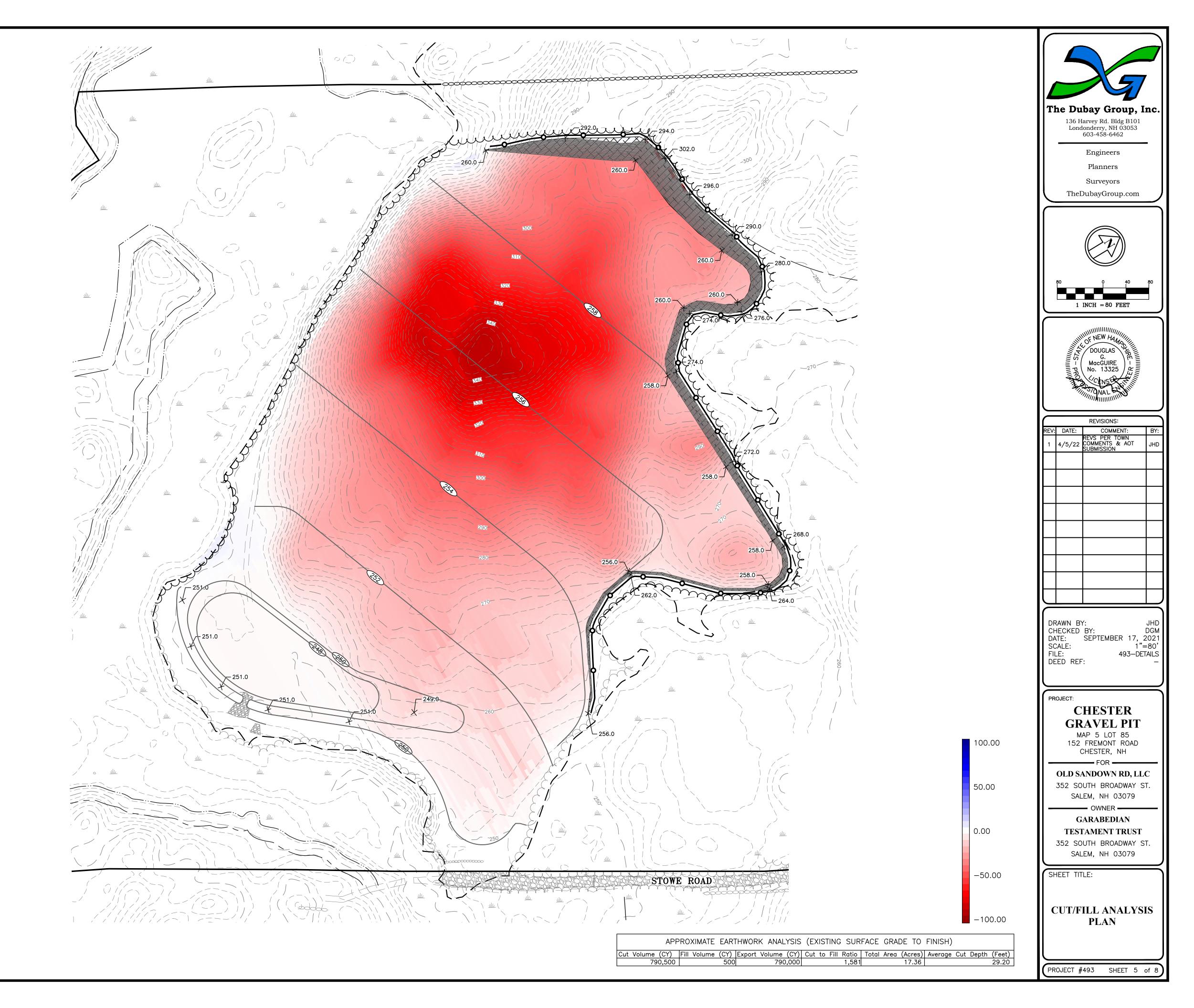
NHDES BLASTING NOTES:

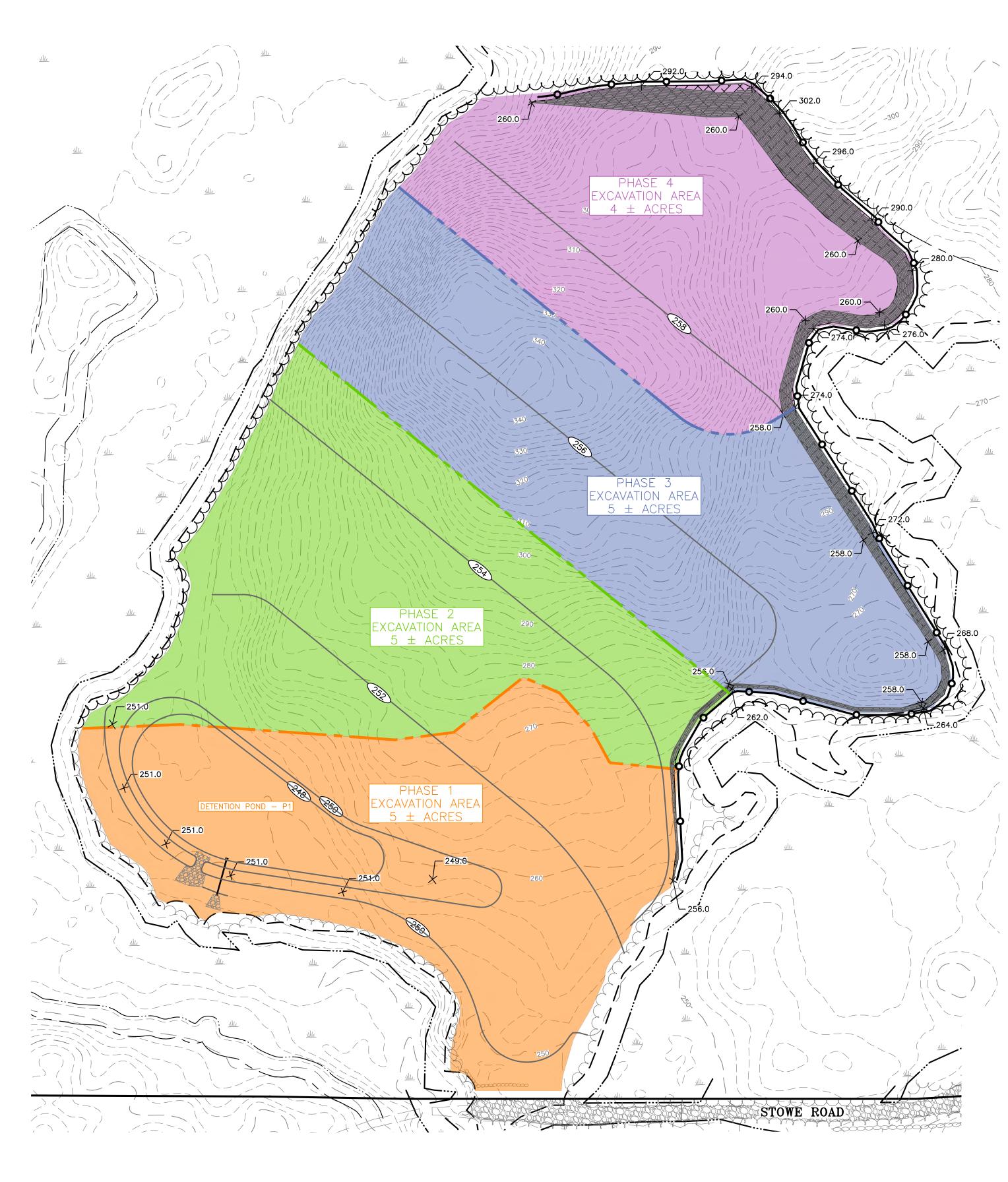
A GROUNDWATER MONITORING PLAN MUST BE DEVELOPED IF LEDGE IS ENCOUNTERED ON SITE AND EXPECTED TO EXCEED 5,000 CUBIC YARDS OF BLAST MATERIAL. THE MONITORING PLAN MUST BE REVIEWED AND APPROVED BY NHDES PRIOR TO COMMENCING WITH BLASTING OPERATIONS

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 HANDLING AND LOADING PROCEDURES; OBSERVING THE ENTIRE BLASTING PROCEDURES; EVALUATING BLASTING PERFORMANCE; AND HANDLING AND STORAGE OF BLASTED ROCK.

- 1. LOADING PRACTICES: THE FOLLOWING BLASTHOLE LOADING PRACTICES TO MINIMIZE ENVIRONMENTAL EFFECTS SHALL BE FOLLOWED:
- A. DRILLING LOGS SHALL BE MAINTAINED BY THE DRILLER AND COMMUNICATED DIRECTLY TO THE BLASTER. THE LOGS SHALL INDICATE DEPTHS AND LENGTHS OF VOIDS, CAVITIES, AND FAULT ZONES OR OTHER WEAK ZONES ENCOUNTER AS WELL AS GROUNDWATER CONDITIONS.
- B. EXPLOSIVE PRODUCTS SHALL BE MANAGED ON-SITE SO THAT THEY ARE EITHER USED IN THE BOREHOLE, RETURNED TO THE DELIVERY VEHICLE FOR HANDLING OR PLACEMENT IN SECURED CONTAINERS FOR OFF-SITE DISPOSAL.
- C. SPILLAGE AROUND THE BOREHOLE SHALL EITHER BE PLACED IN THE BOREHOLE OR CLEANED UP AND RETURNED TO AN APPROPRIATE VEHICLE FOR HANDLING OR PLACEMENT IN SECURED CONTAINERS FOR OFF-SITE DISPOSAL.
- D. LOADED EXPLOSIVE SHALL BE DETONATED AS SOON AS POSSIBLE AND SHALL NOT BE LEFT IN THE BLASTHOLES OVERNIGHT, UNLESS WEATHER OR OTHER SAFETY CONCERNS REASONABLY DICTATE THAT DETONATION SHOULD BE POSTPONED.
- E. LOADING EQUIPMENT SHALL BE CLEANED IN AN AREA WHERE WASTEWATER CAN BE PROPERLY CONTAINED AND HANDLED IN A MANNER THAT PREVENTS RELEASE OF CONTAMINANTS TO THE ENVIRONMENT.
- F. EXPLOSIVES SHALL BE LOADED TO MAINTAIN GOOD CONTINUITY IN THE COLUMN LOAD TO PROMOTE COMPLETE DETONATION. INDUSTRY ACCEPTED LOADING PRACTICES FOR PRIMING, STEMMING, DECKING AND COLUMN RISE NEED TO BE ATTENDED TO.
- 2. EXPLOSIVE SELECTION: THE FOLLOWING BMPs SHALL BE FOLLOWED TO REDUCE THE POTENTIAL FOR GROUNDWATER CONTAMINATION WHEN EXPLOSIVES ARE USED.
- A. EXPLOSIVE PRODUCTS SHALL BE SELECTED THAT ARE APPROPRIATE FOR SITE CONDITIONS AND SAFE BLAST EXECUTION.
- B. EXPLOSIVE PRODUCTS SHALL BE SELECTED THAT HAVE THE APPROPRIATE WATER RESISTANCE FOR THE SITE CONDITIONS PRESENT TO MINIMIZE THE POTENTIAL FOR HAZARDOUS EFFECT OF THE PRODUCT UPON GROUNDWATER.
- 3. PREVENTION OF MISFIRES: APPROPRIATE PRACTICES SHALL BE DEVELOPED AND IMPLEMENTED TO PREVENT MISFIRES.
- 4. MUCK PILE MANAGEMENT: MUCK PILES (THE BLASTED PIECES OF ROCK) AND ROCK PILES SHALL BE MANAGED IN A MANNER TO REDUCE THE POTENTIAL FOR CONTAMINATION BY IMPLEMENTING THE FOLLOWING MEASURES:
- A. REMOVE THE MUCK PILE FROM THE BLAST AREA AS SOON AS REASONABLY POSSIBLE.
- B. MANAGE THE INTERACTION OF BLASTED ROCK PILES AND STORMWATER TO PREVENT
- CONTAMINATION OF WATER SUPPLY WELLS OR SURFACE WATER.
- 5. SPILL PREVENTION MEASURES AND SPILL MITIGATION: SPILL PREVENTION AND SPILL MITIGATION MEASURES SHALL BE IMPLEMENTED TO PREVENT THE RELEASE OF FUEL AND OTHER RELATED SUBSTANCES TO THE ENVIRONMENT. THE MEASURES SHALL INCLUDE AT A MINIMUM:
- A. THE FUEL STORAGE REQUIREMENTS SHALL INCLUDE:
- STORAGE OF REGULATED SUBSTANCES ON AN IMPERVIOUS SURFACE.
 SECURE STORAGE AREAS AGAINST UNAUTHORIZED ENTRY.
- 3) LABEL REGULATED CONTAINERS CLEARLY AND VISIBLY.
- 4) INSPECT STORAGE AREAS WEEKLY.5) COVER REGULATED CONTAINERS IN OUTSIDE STORAGE AREAS.
- 6) WHEREVER POSSIBLE, KEEP REGULATED CONTAINERS THAT ARE STORED OUTSIDE MORE THAN 50 FEET FROM SURFACE WATER AND STORM DRAINS, 75 FEET FROM PRIVATE WELLS, AND 400 FEET FROM PUBLIC WELLS.
- 7) SECONDARY CONTAINMENT IS REQUIRED FOR CONTAINERS CONTAINING REGULATED SUBSTANCES STORED OUTSIDE, EXCEPT FOR ON PREMISE USE HEATING FUEL TANKS, OR ABOVEGROUND OR UNDERGROUND STORAGE TANKS OTHERWISE REGULATED.
- B. THE FUEL HANDLING REQUIREMENTS SHALL INCLUDE:
 1) EXCEPT WHEN IN USE, KEEP CONTAINERS CONTAINING REGULATED SUBSTANCES CLOSED AND SEALED.
- 2) PLACE DRIP PANS UNDER SPIGOTS, VALVES, AND PUMPS.3) HAVE SPILL CONTROL AND CONTAINMENT EQUIPMENT READILY AVAILABLE IN ALL WORK
- AREAS. 4) USE FUNNELS AND DRIP PANS WHEN TRANSFERRING REGULATED SUBSTANCES.
- 5) PERFORM TRANSFERS OF REGULATED SUBSTANCES OVER AN IMPERVIOUS SURFACE.
- C. 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.
- D. FUELING AND MAINTENANCE OF EXCAVATION, EARTHMOVING AND OTHER CONSTRUCTION RELATED EQUIPMENT WILL COMPLY WITH THE REGULATIONS OF THE NEW HAMPSHIRE DEPARTMENT OF ENVIRONMENTAL SERVICES [NOTE THESE REQUIREMENTS ARE SUMMARIZED IN WD-DWGB-22-6 BEST MANAGEMENT PRACTICES FOR FUELING AND MAINTENANCE OF EXCAVATION AND EARTHMOVING EQUIPMENT OR ITS SUCCESSOR DOCUMENT. (SEE http://des.nh.gov/organization/commissoner/pip/factsheets/dwgb/ documents/dwgb-22-6.pdf)]







MOBILE FUELING NOTES:

MOBILE FUELING OF EXCAVATION EQUIPMENT WILL OCCUR ON SITE. SECONDARY CONTAINMENT MUST BE PROVIDED FOR ALL REGULATED CONTAINERS AND BE IN PLACE DURING REFUELING ACTIVITIES INVOLVING TRANSFERS OF FUEL FROM "ON-ROAD" DELIVERY TRUCKS, "OFF-ROAD" TANK TRUCKS (REFERRED TO AS "MOBILE REFUELERS") OR PORTABLE CONTAINERS TO FIELD EQUIPMENT. PORTABLE CONTAINMENT EQUIPMENT, SUCH AS A RIGID OR FLEXIBLE POP-UP POOL OR BERM, SHALL BE USED DURING MOBILE FUELING AND POSITIONED TO CATCH ANY FUEL SPILLS DUE TO OVERFILLING THE EQUIPMENT AND ANY OTHER SPILLS THAT MAY OCCUR DURING THE FUELING PROCESS. EQUIPMENT (SPILL KIT) TO CLEAN UP SPILLS AND LEAKS MUST BE LOCATED IN THE IMMEDIATE AREA. REFER TO THE NHDES FACT SHEET, WD-DWGB-22-6, BEST MANAGEMENT PRACTICES FOR FUELING AND MAINTENANCE OF EXCAVATION AND EARTHMOVING EQUIPMENT, AVAILABLE AT: WD-DWGB-22-6 BEST MANAGEMENT PRACTICES FOR FUELING AND MAINTENANCE OF EXCAVATION AND EARTHMOVING EQUIPMENT (NH.GOV).

THE BEST MANAGEMENT PRACTICES NOTED IN WD-DWGB-22-6 SHALL BE IMPLEMENTED INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING:

- PROVIDE SECONDARY CONTAINMENT DURING FUEL TRANSFERS;
- COMPLY WITH RELATED STATE AND FEDERAL REQUIREMENTS; EMPLOYEE TRAINING TO PREVENT, CONTAIN AND CLEAN UP SPILLS;
- IMMEDIATELY REPORT SIGNIFICANT OR UNCONTROLLED SPILLS; PROPERLY STORE AND DISPOSE OF CONTAMINATED SOIL AND MATERIALS.

CONSTRUCTION SEQUENCE

- 2. NOT BEEN FINALLY STABILIZED.
- 3 INSPECTION.
- 5. CONSTRUCT TEMPORARY CONSTRUCTION EXIT.

- 9. ESTABLISH STAGING AREAS.
- SUBSEQUENT PHASE.

- 11. LOAM AND SEED ALL DISTURBED AREAS.

CONSTRUCTION PHASE

- MAINTENANCE.

- PROTECTION.

ENV-WQ 1505.3 MAXIMUM OPEN AREA ALLOWED:

- (a) ALL AREAS OF UNSTABILIZED SOIL SHALL BE: GRADING. APPLICANT: SCHEDULE; SPECIALIST: AND (d) SUBJECT TO (E), BELOW, THE ENVIRONMENTAL MONITOR SHALL:

- 1505.04; OR
- (2) RUNOFF IS UNLIKELY BECAUSE:
- THAN ONE MONTH.
- SPECIALIST; (3) COMPLY WITH (D) AND (E), ABOVE.
- 1505.02) (SEE RN3 AT P. V)

1. PRIOR TO CONSTRUCTION, AN INITIAL PRE CONSTRUCTION MEETING(S) SHALL TAKE PLACE WITH THE CONTRACTOR, OWNER AND TOWN AGENTS.

THIS SITE WILL REQUIRE A USEPA NPDES PERMIT FOR STORMWATER DISCHARGE FOR THE SITE CONSTRUCTION SINCE THE DISTURBANCE EXCEEDS ONE ACRE. THE CONSTRUCTION SITE OPERATOR SHALL DEVELOP AND IMPLEMENT A CONSTRUCTION STORM WATER POLLUTION PREVENTION PLAN (SWPPP), WHICH SHALL REMAIN ON SITE AND MADE ACCESSIBLE TO THE PUBLIC. A COMPLETED NOTICE OF TERMINATION (NOT) SHALL BE SUBMITTED TO NPDES PERMITTING AUTHORITY WITHIN 30 DAYS AFTER EITHER OF THE FOLLOWING CONDITIONS HAVE BEEN MET: FINAL STABILIZATION HAS BEEN ACHIEVED ON ALL PORTIONS OF THE SITE FOR WHICH THE PERMITTEE IS RESPONSIBLE; OR ANOTHER OPERATOR/PERMITTEE HAS ASSUMED CONTROL OVER ALL AREAS OF THE SITE THAT HAVE

SWPPP INSPECTIONS SHALL OCCUR AT LEAST ONCE EVER SEVEN (7) DAYS. COPIES OF INSPECTIONS REPORTS WITH PHOTOS SHALL BE SUBMITTED TO THE TOWN WITHIN 7-DAYS OF

4. INSTALL PERIMETER CONTROLS. I.E SILT FENCE AND/OR SILTSOXX AROUND THE LIMITS OF DISTURBANCE BEFORE ANY EARTH MOVING OPERATION.

6. CLEAR AND GRUB WITHIN AREAS OF DISTURBANCE UNLESS OTHERWISE NOTED.

7. CONSTRUCT AND STABILIZE DETENTION POND P1.

8. REMOVE AND STOCKPILE MATERIALS AS REQUIRED. STOCKPILE SHALL BE SURROUNDED WITH AN EROSION CONTROL DEVICE TO PREVENT EROSION. STOCKPILE AREAS ARE LIMITED AND THUS MANAGEMENT OF MATERIALS WILL BE REQUIRED.

10. PERFORM EXCAVATION OPERATIONS BY PHASE.

11. COMPLETE EACH PHASE 1-4; EACH PHASE MUST BE STABILIZED PRIOR TO DISTURBANCE OF

9. UTILIZE ADDITIONAL EROSION AND SEDIMENTATION CONTROL MEASURES TO ENSURE EACH PHASE IS PROTECTED FROM POTENTIAL SEDIMENT TRANSPORT.

10. DIRECT SURFACE RUNOFF INTO EXCAVATED AREA OR SEDIMENT TRAPS. NO RUNOFF FROM EXCAVATED AREAS SHALL DISCHARGE OFFSITE.

12. REMOVE TRAPPED SEDIMENTS FROM COLLECTION DEVICES AS APPROPRIATE, AND THEN REMOVE TEMPORARY EROSION CONTROL MEASURES UPON COMPLETION OF FINAL STABILIZATION OF THE SITE.

1. EACH PHASE MUSH BE STABILIZED PRIOR TO THE COMMENCEMENT OF SUBSEQUENT PHASE.

2. THE TEMPORARY BMPS ASSOCIATED WITH THE PHASING OF THIS PROJECT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR AND LANDOWNER, WHO WILL BE RESPONSIBLE FOR INSPECTION, OPERATION, AND

3. EROSION CONTROL PROCEDURES SHALL CONFORM TO SECTION 645 OF THE "STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION OF THE NHDOT". EROSION CONTROL SHALL BE INSTALLED DOWNHILL OF ALL AREAS WHERE WORK WILL EXPOSE UNPROTECTED SOIL TO PREVENT SEDIMENT FROM ENTERING CATCH BASINS, DRAINAGE STRUCTURES AND/OR DRAINAGE WAYS.

4. DURING CONSTRUCTION AND THEREAFTER, EROSION CONTROL MEASURES ARE TO BE IMPLEMENTED AS NOTED. THE SMALLEST PRACTICAL AREA OF LAND SHOULD BE EXPOSED AT ANY ONE TIME DURING DEVELOPMENT. IN ALL CASES EXPOSURE SHALL BE KEPT TO THE SHORTEST PRACTICAL PERIOD OF TIME. LAND SHALL NOT BE LEFT UNPROTECTED DURING THE WINTER MONTHS.

5. IF, DURING CONSTRUCTION, IT COMES APPARENT THAT ADDITIONAL EROSION CONTROL MEASURES ARE REQUIRED TO STOP ANY EROSION ON THE CONSTRUCTION SITE DUE TO ACTUAL SITE CONDITIONS, THE CONTRACTOR SHALL BE REQUIRED TO IMMEDIATELY INSTALL AND MAINTAIN THE NECESSARY EROSION

(1) TEMPORARILY STABILIZED AS SOON AS PRACTICABLE BUT IN ALL CASES WITHIN 45 DAYS OF INITIAL DISTURBANCE, UNLESS A SHORTER TIME IS SPECIFIED BY LOCAL AUTHORITIES, THE CONSTRUCTION SEQUENCE APPROVED AS PART OF THE ISSUED PERMIT, OR AN INDEPENDENT MONITOR; AND (2) PERMANENTLY STABILIZED AS SOON AS PRACTICABLE BUT IN ALL CASES WITHIN 3 DAYS OF FINAL

(b) SUBJECT TO (C) AND (F), BELOW, THE AREA OF UNSTABILIZED SOIL SHALL NOT EXCEED 5 ACRES AT ANY

(c) THE DEPARTMENT SHALL AUTHORIZE AN APPLICANT TO DISTURB MORE THAN 5 ACRES AT ONE TIME IF THE

(1) SUBMITS DOCUMENTATION THAT THE REQUIRED AREAS OF EARTH CUTS AND FILLS ARE SUCH THAT AN AREA OF DISTURBANCE OF 5 ACRES OR LESS WOULD UNREASONABLY LIMIT THE CONSTRUCTION

(2) SUBMITS A CONSTRUCTION SEQUENCE PLAN, DEVELOPED BY A QUALIFIED ENGINEER OR A CPESC

(3) EMPLOYS AN ENVIRONMENTAL MONITOR DURING CONSTRUCTION.

(1) INSPECT THE PROJECT SITE AT LEAST ONCE EACH WEEK FROM THE START OF TERRAIN ALTERATION ACTIVITIES UNTIL ALL TERRAIN ALTERATION ACTIVITIES ARE COMPLETED AND THE SITE IS STABILIZED; (2) IN ADDITION TO REGULAR WEEKLY INSPECTIONS, INSPECT THE PROJECT SITE DURING ANY RAIN EVENT IN WHICH 0.5 INCH OF PRECIPITATION OR MORE FALLS WITHIN A 24 HOUR PERIOD, PROVIDED THAT IF THE ENVIRONMENTAL MONITOR IS UNABLE TO BE PRESENT DURING SUCH A STORM, THE MONITOR SHALL INSPECT THE SITE WITHIN 24 HOURS OF THE RAIN EVENT;

(3) SUBMIT A WRITTEN REPORT, STAMPED BY A QUALIFIED ENGINEER OR A CPESC SPECIALIST, TO THE DEPARTMENT WITHIN 24 HOURS OF EACH INSPECTION THAT: a. DESCRIBES THE PROGRESS OF THE PROJECT, INCLUDING WHETHER ALL CONDITIONS OF THE PERMIT ARE BEING MET AND, IF NOT, WHICH REQUIREMENTS ARE NOT BEING MET;

b. IF ANY REQUIREMENTS ARE NOT BEING MET, AN EXPLANATION OF THE CORRECTIVE ACTION(S) THAT WILL BE OR ARE BEING TAKEN TO BRING THE PROJECT INTO COMPLIANCE WITH APPLICABLE REQUIREMENTS AND THE DEADLINE BY WHICH SUCH ACTIONS WILL BE COMPLETED; AND c. INCLUDES PHOTOGRAPHS OF THE SITE THAT ARE REPRESENTATIVE OF THE PROJECT; AND

(2) RETAIN A COPY OF THE REPORT PREPARED PURSUANT TO (3), ABOVE, ON-SITE FOR REVIEW DURING SITE INSPECTIONS BY FEDERAL, STATE, AND LOCAL OFFICIALS.

(b) ROUTINE INSPECTION FREQUENCY MAY BE REDUCED FROM ONCE EACH WEEK TO AT LEAST ONCE EACH MONTH IF EITHER OF THE FOLLOWING CONDITIONS IS MET: (1) WORK HAS BEEN SUSPENDED AND THE ENTIRE SITE IS STABILIZED IN ACCORDANCE WITH ENV-WQ

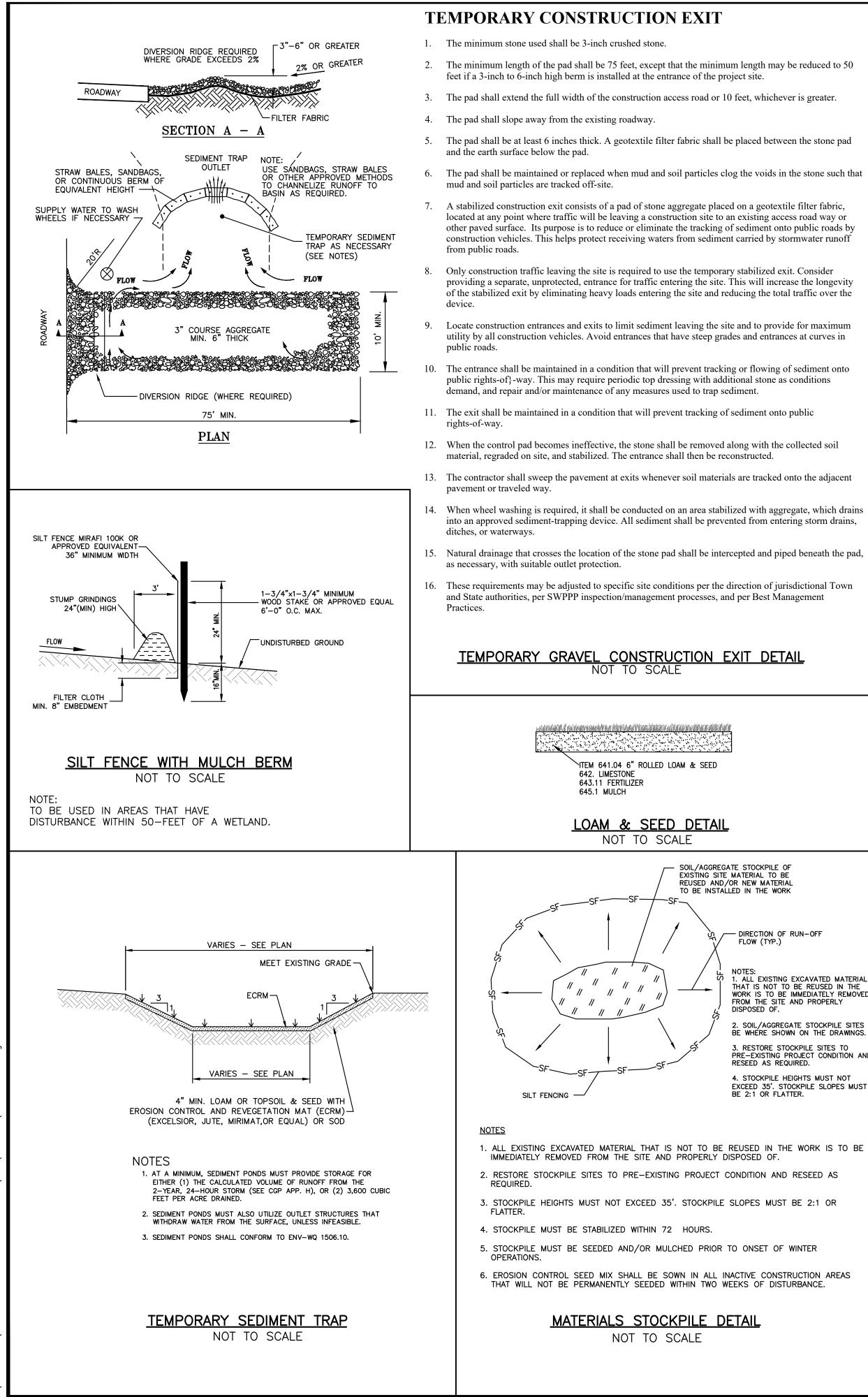
a. THE GROUND IS FROZEN OR THE SITE IS COVERED WITH SNOW OR ICE; AND b. THE PROJECT IS IN AN AREA WHERE FROZEN CONDITIONS ARE ANTICIPATED TO CONTINUE FOR MORE (a) IF THE SITE IS WITHIN 50 FEET OF SURFACE WATER, HAS A GRADE OF 25% OR GREATER, OR CONTAINS

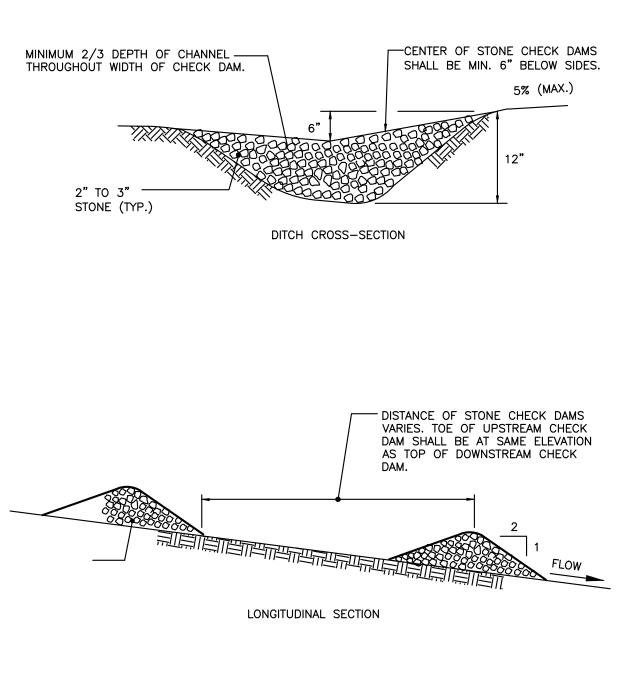
SOILS HAVING AN ERODIBILITY FACTOR OF 0.4 OR GREATER, OR ANY COMBINATION OF THESE, THE OWNER SHALL, REGARDLESS OF THE SIZE OF THE OPEN AREA: (1) SUBMIT A CONSTRUCTION SEQUENCE PLAN, DEVELOPED BY A QUALIFIED ENGINEER OR A CPESC

(2) EMPLOY AN ENVIRONMENTAL MONITOR; AND

SOURCE. (SEE RN1 AT P. V) #9343, EFF 1-1-09; SS BY #12342, EFF 8-15-17 (FORMERLY ENV-WQ

The Dubay Group, Inc. 136 Harvey Rd. Bldg B101 Londonderry, NH 03053 603-458-6462 Engineers Planners Surveyors TheDubayGroup.com					
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SALEM, NH 03079 SHEET TITLE: PHASING PLAN & CONSTRUCTION NOTES					
PROJECT #493 SHEET 6 of 8					





STONE CHECK DAM DETAIL NOT TO SCALE

CONSIDERATIONS

THIS PRACTICE IS INTENDED FOR USE IN AREAS WITH CONCENTRATED FLOW BUT MUST NOT BE USED IN STREAM CHANNELS (WHETHER PERENNIAL OR INTERMITTENT).

THE CHECK DAM MAY BE LEFT IN PLACE PERMANENTLY TO AVOID UNNECESSARY DISTURBANCE OF THE SOIL ON REMO ONLY IF THE PROJECT DESIGN HAS ACCOUNTED FOR THEIR HYDRAULIC PERFORMANCE AND CONSTRUCTION PLANS CALL THEM TO BE RETAINED.

IF IT IS NECESSARY TO REMOVE A STONE CHECK DAM FRO GRASS-LINED CHANNEL THAT WILL BE MOWED. CARE SHOUL TAKEN TO ENSURE THAT ALL STONES ARE REMOVED. THIS INCLUDES STONE THAT HAS WASHED DOWNSTREAM.

GENERAL DESCRIPTION

TEMPORARY CHECK DAMS ARE SMALL TEMPORARY DAMS CO ACROSS A SWALE OR DRAINAGE DITCH. CHECK DAMS ARE REDUCE THE VELOCITY OF CONCENTRATED STORMWATER FL THEREBY REDUCING EROSION OF THE SWALE OR DITCH

CHECK DAMS MY ALSO CATCH SMALL AMOUNTS OF SEDIME GENERATED IN THE DITCH ITSELF. HOWEVER, THE CHECK D A SEDIMENT TRAPPING PRACTICE AND SHOULD NOT BE US

THE PRACTICE IS LIMITED TO USE IN SMALL OPEN CHANNE DRAIN ONE ACRE OR LESS. IT SHOULD NOT BE USED IN E PERENNIALLY FLOWING STREAMS OR INTERMITTENT STREAM

CHECK DAMS CAN BE CONSTRUCTED OF STONE. IN LOCATION STONE IS NOT AVAILABLE, TIMBER CHECK DAMS MAY BE CO TYPICAL APPLICATIONS INCLUDE TEMPORARY OR PERMANEN OR SWALES, WHICH NEED PROTECTION DURING THE ESTABL GRASS LININGS.

HAY OR STRAW BALES SHOULD GENERALLY NOT BE USED DAMS, OR IN ANY LOCATION WHERE THERE IS CONCENTRAT HOWEVER, THEY MAY BE USED FOR CHECK DAMS IN APPLI WHERE INSTALLATION ACCESS OR OTHER CONDITIONS PREV USE OF PREFERRED MATERIALS SUCH AS STONE: IN SUCH INSTALLATION MUST PROVIDE PROPER EMBEDMENT OF THE HAY BALE BARRIER, LIMIT CONTRIBUTING DRAINAGE AREA T ONE ACRE, AND PROVIDE FOR FREQUENT MONITORING OF

MAINTENANCE REQUIREMENTS

CHECK DAMS SHOULD BE INSPECTED AFTER EACH RAINFAL LEAST DAILY DURING PROLONGED RAINFALL AND NECESSARY SHOULD BE MADE IMMEDIATELY.

INSPECTIONS SHOULD VERIFY THAT THE CENTER OF THE DA LOWER THAN THE EDGES.

EROSION CAUSED BY HIGH FLOWS AROUND THE EDGES OF MUST BE CORRECTED IMMEDIATELY.

IF EVIDENCE OF SILTATION IN THE WATER IS APPARENT DOW OF THE CHECK DAM, THE CHECK DAM SHOULD BE INSPECT ADJUSTED IMMEDIATELY.

CHECK DAMS SHOULD BE CHECKED FOR SEDIMENT ACCUMU AFTER EACH SIGNIFICANT RAINFALL. SEDIMENT SHOULD BE WHEN IT REACHES ONE HALF OF THE ORIGINAL HEIGHT OR

NHFG NOTES:

* DUE TO THE POTENTIAL OF ENDANGERED SPECIES ON CONTRACTORS SITE, SHALL USE ROLLMAX **BIONET C125BN EROSION** CONTROL BLANKET OR EQUIVALENT. BLANKETS ARE MADE OF 100% COCONUT FIBER AND ARE 100% BIODEGRADABLE

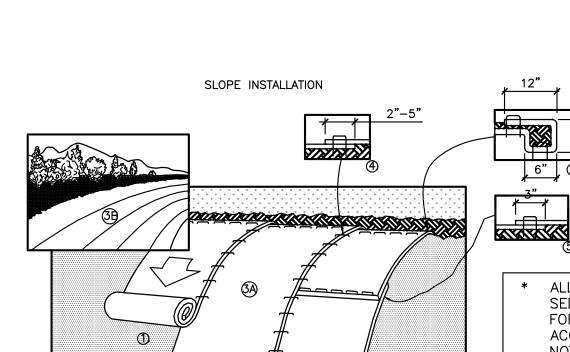
ALL MANUFACTURED EROSION AND SEDIMENT CONTROL PRODUCTS, EXCEPT FOR SILT FENCE, SHALL BE INSTALLED IN ACCORDANCE WITH ENV.EQ 1506.04, SHALL NOT CONTAIN WELDED PLASTIC, PLASTIC, OR MULTI-FILAMENT OR MONOFILAMENT POLYPROPYLENE NETTING OR MESH.

DIRECTION OF RUN-OFF

. ALL EXISTING EXCAVATED MATERIAL THAT IS NOT TO BE REUSED IN THE WORK IS TO BE IMMEDIATELY REMOVED FROM THE SITE AND PROPERLY

2. SOIL/AGGREGATE STOCKPILE SITES TO BE WHERE SHOWN ON THE DRAWINGS. 3. RESTORE STOCKPILE SITES TO PRE-EXISTING PROJECT CONDITION AND RESEED AS REQUIRED.

4. STOCKPILE HEIGHTS MUST NOT EXCEED 35'. STOCKPILE SLOPES MUST BE 2:1 OR FLATTER.



MATTING INSTALLATION NOTES I. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED. NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.

2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" DEEP X 6" WIDE TRENCH WITH APPROXIMATELY 12" OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. 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/STAKES SPACED APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE BLANKET.

3. ROLL THE BLANKETS (A.) DOWN OR (B.) HORIZONTALLY ACROSS THE SLOPE. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING OPTIONAL DOT SYSTEM, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.

4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2"-5" OVERLAP DEPENDING ON BLANKET TYPE. TO ENSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE COLORED SEAM STITCH ON THE PREVIOUSLY INSTALLED BLANKET.

5. CONSECUTIVE BLANKETS SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART ACROSS ENTIRE BLANKET WIDTH.

6. IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" MAY BE NECESSARY TO PROPERLY SECURE THE BLANKETS.

7. INSTALL PRODUCT IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

8. MATTING IS REQUIRED ON ALL SLOPES STEEPER THAN 3:1.

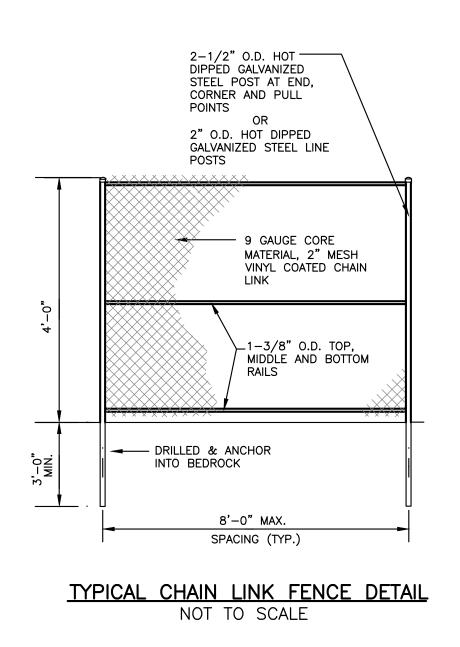
SLOPE PROTECTION EROSION CONTROL MATTING

NOT TO SCALE (THIS DETAIL IS PROVIDED FOR AREAS THAT MAY REQUIRE ADDITIONAL PROTECTION BASED ON FIELD CONDITIONS.)

ML, BUT FOR THE MAXIMUM CONTRIBUTING DRAMAGE AREA TO THE DAM SHOULD BE LESS THAIN ONE ACE. M A D BE THE MAXIMUM HEIGHT OF THE DAM SHOULD BE ONE FOOT ON SLOPES. M A D BE THE MAXIMUM HEIGHT OF THE DAM SHOULD BE TWO FEET. THE CONTROL TO FITTE DOWN SHOULD BE AT LEAST 6 INCHES LOWER THAN THE OUTER EDGES. INSTRUCTED USED TO THE MAXIMUM SPACING BETWEEN THE DAMS SHOULD BE SUCH HAT THE TO FO THE UDAM STATHE SAME ELEVATION AS THE COVERTION OF THE DOWNSTREAM DAM. NT M IS NOT THE CHECK DAM SHOULD NOT BE USED IN A FLOWING STREAM. STONE CHECK DAMS SHOULD BE CONSTRUCTED OF A WELL-CARDED ANGULAR 2-INCH TO SHORE STACE SAME SOLL HOWER, STONE CHECK DAMS AND CONFORM TO THE ELEVATION AS THE STONE AND MONTORED, TMBER CHECK DAMS SOLL HOWER, STONE CHECK DAMS AND CONSTRUCTED OF A WELL-CARDED ANGULAR 2-INCH TO SHOULD BE CONSTRUCTED OF A WELL-CARDED ANGULAR 2-INCH TO SHORE STORE CHANNELS. 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CONSTRUCTION ZONE **UNAUTHORIZED PERSONNEL KEEP OUT**

CONSTRUCTION ZONE SIGN OR APPROVED EQUAL NOT TO SCALE



PROJECT: **CHESTER GRAVEL PIT** MAP 5 LOT 85 152 FREMONT ROAD CHESTER, NH - FOR -**OLD SANDOWN RD, LLC** 352 SOUTH BROADWAY ST.

DATE: SEPTEMBER 17, 2021

SJK

DGM

1"=80'

493-DETAILS

SALEM, NH 03079 - OWNER -GARABEDIAN

TESTAMENT TRUST 352 SOUTH BROADWAY ST. SALEM, NH 03079

SHEET TITLE:

DRAWN BY:

SCALE:

DEED REF:

FILE:

CHECKED BY:

SITE DETAILS

PROJECT #493 SHEET 7 of 8

GENERAL CONSTRUCTION NOTES

- 1. THE TEMPORARY BMPS ASSOCIATED WITH THIS PROJECT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR AND LANDOWNER, WHO WILL BE RESPONSIBLE FOR INSPECTION, OPERATION, AND MAINTENANCE.
- 2. EROSION CONTROL PROCEDURES SHALL CONFORM TO SECTION 645 OF THE "STANDARI SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION OF THE NHDOT". EROSION CONTROL SHALL BE INSTALLED DOWNHILL OF ALL AREAS WHERE WORK WILL EXPOSE UNPROTECTED SOIL TO PREVENT SEDIMENT FROM ENTERING CATCH BASINS, DRAINAGE STRUCTURES AND/OR DRAINAGE WAYS. INSTALL TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES PRIOR TO ANY EARTH MOVING OPERATIONS.
- 3. EROSION CONTROL DEVICES SHALL BE INSTALLED WHERE REQUIRED PRIOR TO ANY ON-SITE GRADING OR DISTURBANCE OF EXISTING SURFACE MATERIAL. EROSION CONTROL MEASURES SHALL BE MAINTAINED DURING DEVELOPMENT AND SHALL BE CHECKED PERIODICALLY AND EXCESS SILT SHALL BE REMOVED.
- 4. ALL DISTURBED AREAS WHICH ARE FINISH GRADED SHALL BE LOAMED (6" MINIMUM) AND SEEDED. SEE SEEDING AND FERTILIZER SPECIFICATION. SEE SLOPE DESIGN AND/OR LANDSCAPE PLAN FOR ADDITIONAL INFORMATION.
- 5. ANY DISTURBED AREAS WHICH ARE TO BE LEFT TEMPORARILY, AND WHICH WILL BE REGRADED LATER SHALL BE MACHINED STRAW MULCHED AND SEEDED WITH SLOPE STABILIZATION SEED MIXTURE TO PREVENT EROSION. STRAW MULCH SHALL BE APPLIED AT A RATE OF 2 TONS/ACRE.
- 6. CONTRACTOR SHALL PROVIDE DUST CONTROL MEASURES IN ACCORDANCE WITH NHDES, EPA & TOWN REQUIREMENTS FOR THE DURATION OF THE PROJECT. WATER FOR DUST CONTROL SHALL BE PROVIDED ON SITE. FUGITIVE DUST IS CONTROLLED IN ACCORDANCE WITH ENV-A 1000.
- 7. ALL EROSION CONTROLS ARE TO BE INSPECTED WEEKLY.
- 8. ALL DEWATERING OPERATIONS MUST DISCHARGE DIRECTLY INTO A SEDIMENT FILTER AREA.
- 9. THE SMALLEST PRACTICAL AREA SHALL BE DISTURBED DURING CONSTRUCTION, BUT IN NO CASE SHALL EXCEED 5 ACRES AT ANY ONE TIME BEFORE DISTURBED AREAS ARE STABILIZED. ALL DISTURBED AREAS SHALL BE STABILIZED WITHIN 72 HOURS AFTER FINAL GRADING. EXPOSURE OF UNSTABILIZED SOILS SHALL BE TEMPORARILY STABILIZED AS SOON AS POSSIBLE BUT NO LATER THAN 45 DAYS OF INITIAL DISTURBANCE.
- 10. WINTERIZATION EFFORTS FOR AREAS NOT STABILIZED BY OCT. 15TH SHALL BE MADE BY THE APPROPRIATE USE OF MATTING, BLANKETS, MULCH AND SEEDING.
- 11. AN AREA SHALL BE CONSIDERED STABLE IF ONE OF THE FOLLOWING HAS OCCURRED:
- A. BASE COURSE GRAVELS HAS BEEN 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.
- 16. IF, DURING CONSTRUCTION, IT BECOMES APPARENT THAT ADDITIONAL EROSION CONTROL MEASURES ARE REQUIRED TO STOP ANY EROSION ON THE CONSTRUCTION SITE DUE TO ACTUAL SITE CONDITIONS, THE CONTRACTOR SHALL BE REQUIRED TO IMMEDIATELY INSTALL AND MAINTAIN THE NECESSARY EROSION PROTECTION.

MAINTENANCE AND PROTECTION

- 1. THE CONTRACTOR SHALL TAKE WHATEVER MEASURES ARE NECESSARY TO PROTECT THE GRASS WHILE IT DEVELOPS.
- 2. TO BE ACCEPTABLE, SEEDED AREAS SHALL CONSIST OF A UNIFORM STAND OF AT LEAST 90 PERCENT ESTABLISHED PERMANENT GRASS SPECIES, WITH A UNIFORM COUNT OF AT LEAST 100 PLANTS PER SQUARE FOOT.
- 3. SEEDED AREAS WILL BE FERTILIZED AND RE-SEEDED AS NECESSARY TO INSURE VEGETATIVE ESTABLISHMENT.
- 4. THE SWALES WILL BE CHECKED WEEKLY AND REPAIRED WHEN NECESSARY, UNTIL ADEQUATE VEGETATION IS ESTABLISHED.
- 5. THE SILT FENCE AND/OR SILTSOXX BARRIER AND ANY OTHER EROSION CONTROL DEVICE SHALL BE CHECKED AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL.
- 6. ALL EROSION CONTROL DEVICES SHALL BE REMOVED ONCE VEGETATION IS ESTABLISHED. AND DISTURBED AREAS RESULTING FROM SLIT FENCE AND/OR SILTSOXX REMOVAL SHALL BE PERMANENTLY SEEDED.

WINTER NOTES

- 1. ALL PROPOSED VEGETATED AREAS WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE STABILIZED BY SEEDING AND INSTALLING EROSION CONTROL BLANKETS ON SLOPES GREATER THAN 3:1, AND SEEDING AND PLACING 3 TO 4 TONS OF MULCH PER ACRE, SECURED WITH ANCHORED NETTING, ELSEWHERE. THE INSTALLATION OF EROSION CONTROL BLANKETS OR MULCH AND NETTING SHALL NOT OCCUR OVER ACCUMULATED SNOW OR ON FROZEN GROUND AND SHALL BE COMPLETED IN ADVANCE OF THAW OR SPRING MELT EVENTS;
- 2. ALL AREAS TO BE PLANTED WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE STABILIZED TEMPORARILY WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN FLOW CONDITIONS.
- 3. AFTER OCTOBER 15TH, INCOMPLETE SURFACES TO BE PAVED, WHERE WORK HAS STOPPED FOR THE WINTER SEASON, SHALL BE PROTECTED WITH A MINIMUM OF 3 INCHES OF CRUSHED GRAVEL PER NHDOT ITEM 304.3 OR CRUSHED STONE.

SEEDING NOTES

SEEDING SPECIFICATION AND PREPARATION SHALL BE DONE IN ACCORDANCE WITH NRCS PUBLICATION 'VEGETATING NEW HAMPSHIRE SAND AND GRAVEL PITS' (*TECHNICAL NOTE PM-NH-21)

SITE PREPARATION

- CUT AND FILL SLOPES SHOULD NOT EXCEED 2:1 (2 HORIZONTAL FEET FOR 1 VERTICAL FOOT) TO PROVIDE STABILITY. FLATTER SLOPES (3:1) ARE PREFERRED TO FACILITATE SEEDING EFFORTS.
- AVOID LONG SLOPES TO HELP PREVENT EROSION AND TO ALLOW ACCESS FOR SEEDING, MULCHING, AND MAINTENANCE. CONTROL SLOPE LENGTH BY INSTALLING ONE TERRACE (10 FEET WIDE AND SLOPED INTO THE CUT SLOPE) FOR EVERY 40 VERTICAL FEET.
- CONSTRUCT DIVERSIONS AT TOPS OF SLOPES TO DIVERT RUNOFF WATER AWAY FROM THE SLOPE BANKS TO A STABLE OUTLET.
- CONSTRUCT ROCK LINED CHUTES OR EQUIVALENT TO CONDUCT CONCENTRATED FLOW OF WATER TO STABLE OUTLETS.
- REMOVE LARGE STONES, BOULDERS, AND OTHER DEBRIS THAT WILL HINDER THE SEEDING PROCESS AND THE ESTABLISHMENT OF VEGETATION.
- SPREAD A MINIMUM DEPTH OF 4 INCHES OF TOPSOIL OVER THE SITE, IF AVAILABLE.
- OBTAIN SOIL SAMPLES BY COLLECTING 6 TO 8 SMALL SAMPLES (1 OR 2 HANDFULS) OF SOIL MATERIAL FROM THE UPPER 4 INCHES OF THE AREA TO BE SEEDED. MIX THE SMALL SAMPLES TO OBTAIN ONE COMPOSITE SAMPLE.
- USE PART OF THE SAMPLE FOR A SOIL TEST TO DETERMINE LIME AND FERTILIZER NEEDS. RUN THE BALANCE OF THE SAMPLE(S) THROUGH A SIEVE ANALYSIS TO DETERMINE THE PERCENT BY WEIGHT PASSING A NO. 22 SIEVE.* THOSE PASSING ARE CALLED "FINES."

SEEDING PROCEDURES

SPECIES AND VARIETY SELECTION

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 <u>MIXES AVAILABLE FROM LOCAL SEED SUPPLIERS ARE NOT RECOMMENDED ON DROUGHTY SITES</u> HESE MIXES USUALLY PROVIDE A GREEN COVER VERY QUICKLY, BUT THE PLANT SPECIES BEGIN TO DIE IN 2-4 YEARS ON STERILE AND DROUGHTY SITES.

WHERE PERCENT BY WEIGHT PASSING A NO. 200 SIEVE IS LESS THAN 15, SELECT FROM MIX 1

MIX 1 (WARM SEASON	GRASSES)
SPECIES	POUNDS PER ACRE
SWITCHGRASS	6
BIG BLUESTEM	4
LITTLE BLUESTEM	2
SAND LOVEGRASS	4
TOTAL	16

* ALTERNATIVE SEED MIXES CAN BE FOUND IN 'NRCS PUBLICATION 'VEGETATING NEW HAMPSHIRE SAND AND GRAVEL PITS'.

LIME AND FERTILIZER DETERMINATION

- (a) 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.
- THE SEED NEEDS TO BE INCORPORATED TO ENSURE SUCCESS AND TO SHORTEN ESTABLISHMENT TIME. ON THE FLATTER SLOPES, USE A BULLDOZER TO "TRACK IN" THE SEED.

MULCH DETERMINATION (FOR HYDRO AND HAND SEEDING)

(a) 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.

SEEDING METHODS

ALTERNATIVE 1 - LARGE AREAS AND/OR STEEP SLOPES.

- APPLY LIME, SEED, AND FERTILIZER WITH A 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.
- ALTERNATIVE 2 FLAT TO GENTLY SLOPING AREAS (2:1 SLOPES MAXIMUM)

APPLY LIME, SEED, AND FERTILIZER USING FARM TYPE SPREADERS, AND TRACK THE SITE WITH A BULLDOZER OR APPLY MULCH.

SEEDING DATES

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 SEEDINGS ARE NOT RECOMMENDED FOR MIXES 1 AND

RESPONSE OF SEEDING

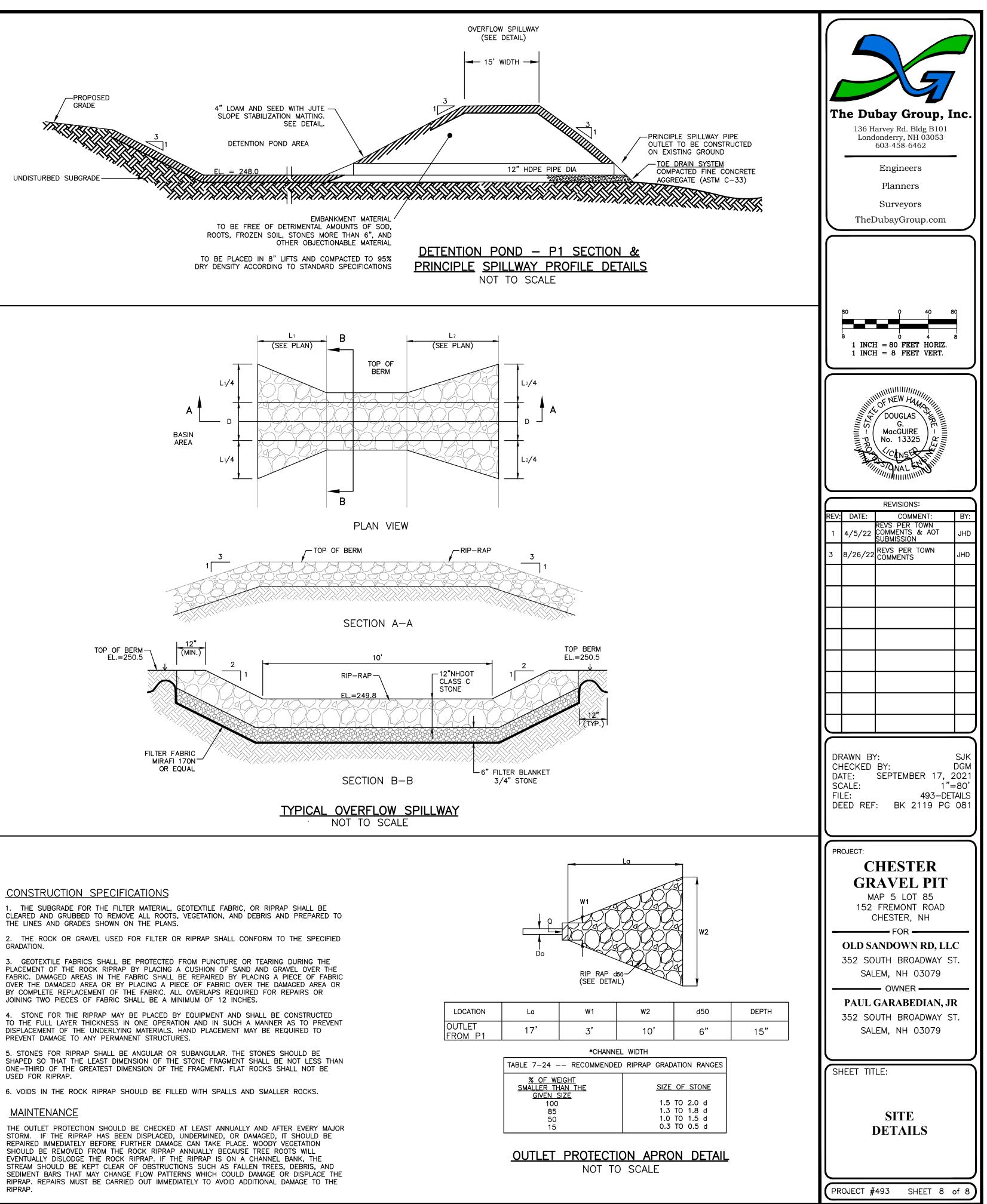
THE PLANT SPECIES IN MIX 1 GERMINATE AND GROW SLOWLY. COMPLETE COVER MAY NOT OCCUR FOR 2-4 YEARS. HOWEVER, A WELL-ESTABLISHED STAND WILL ENDURE FOR YEARS.

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.

MAINTENANCE

SUBSTANTIAL STAND VIGOR CAN BE ACHIEVED IF THE SITE IS TOPDRESSED WITH FERTILIZER ONE YEAR AFTER PLANTING. IF TOPDRESSING MIX 1, FERTILIZE BETWEEN JUNE 15 AND JULY 15. TOPDRESS MIX 1 SHOULD BE TOPDRESSED IN THE EARLY SPRING, TOPDRESS MIX 1 WITH A BALANCED FERTILIZER, APPLYING 50 LBS OF NITROGEN/ACRE. FOR EXAMPLE, APPLY 250 LBS OF 20-20-20/ACRE. TOPDRESS MIX 2 WITH 500 LBS OF 0-20-20/ACRE IN APRIL, MAY, OR JUNE.

IF MOWING IS DESIRED TO SUPPRESS WOODY GROWTH, MOW MIX 1 ABOUT MID-JULY LEAVING A STUBBLE HEIGHT OF 6-8 INCHES.



LOCATION	
OUTLET FROM P1	
	-

Appendix F – Application for Site Plan Review

Chester Planning Board

Map #	5	Lot #	85

To be completed by the Applicant:

4.

1.	Owner of Record:	Paul Garabedian, Jr.
	Address	352 South Broadway
		Salem, NH 03079
	Telephone Number	
2.	Applicant if different than owner:	Old Sandown Rd, LLC
	Address	352 South Broadway
		Salem, NH 03079
	Telephone Number	603-966-6981

3. List professionals directly involved in the plan preparation:

Name	The Dubay Group, Inc - c/o Doug MacGuire, PE
Address	136 Harvey Road Bldg B101
	Londonderry, NH 03053
Telephone Number	603-458-6462
Name	
Address	
Telephone Number	
List owners with 10%	6 or more interest. Include Deed Reference
Name	N/A

Address	
Telephone Number	
Name Address	N/A
Telephone Number	

5. Location of proposed plan:

Road Name

152 Fremont Road

- 6. Attach an abutters list and include the applicant's name. This list should state the names and addresses, as well as their Tax Map and Lot numbers.
- 7. Attach a sheet with the names and addresses of any additional professionals directly involved in the plan preparation.
- 8. Provide a written description of your intent for this project. A separate sheet may be used for this purpose. Consult the Regulations and Ordinances, Town of Chester, for more detailed information.

Signature of Owner of Record

Corey C Garabedian

Representative of Owner of Record

8/26/22

Date

8/26/22

Date

Appendix G – CPB Site Plan Review Checklist

							Map # <u>5</u>	Lot # 85
Α.	то	BE COMP	LETED BY	THE APPLIC	ANT:		.	
	1.	Plan Title:	Chester	Gravel P	it			
				ul Garabe				
	3	Applicant:	Old San	down Rd,	LLC c/o	Corey	Garabed	an
	4.	Authorized	Representa	ative: Doug	MacGuir	e, PE -	The Dua	oy Group, Inc.
	5.	Street / Ro	ad Location	152 Frei	nont Roa	d		
				in a Comme			C-2:	No: X
Ĺ	•	Mark with engineer Note: Ali additiona	h an "*" (aste : I items listed al information	erisk) those it	ems requiring to review by t tted during th	g review i the Town he review	by the Town': 's engineer a process.	nd may require

 Note: Acceptance of this application by the Planning Board does not constitute agreement whether an item marked inapplicable is actually inapplicable. The Board shall make the final determination of which items are applicable for each specific plan.

B. INFORMATION SHOWN ON SITE DEVELOPMENT PLAN - EXISTING

1.	Names of and Map & Lot Numbers for all abutters.	yes
2.	Locus drawn to an adequate scale.	yes
3.	3" X 5" Signature block for Planning Board Chairperson and Coordinator.	yes
4.	Name of Proposed Business or Site Plan.	x
5.	Name and Address of the Owner of Record with signature.	yes
6.	Name and Address of the Licensed Civil Engineer and/or Land Surveyor.	yes
7.	Name and Address of the Wetland and Soil Scientists and their seal.	Pending
8.	Title, scale, north arrow, date and surveyor's seal.	yes
9.	Error of Closure Statement and Signature.	x
10.	Certificate of Title (Deed Reference).	yes
11.	Streets and Street Names.	yes
12.	Existing structures, wells, septic and leach field on property, if applicable.	yes
13.	Services and Utilities.	x
14.	Boundaries, Rights-of-Way, Easements.	yes

Chester Planning Board Site Plan Review Checklist

15.	Total acreage and square footage of lot.	yes
16.	Individual acreage and square footage of each lot.	x
17.	Location and description of all permanent lot boundary markers inclusive of easement markers, if required.	
18.	Reference to any Variance/s or Special Exceptions from the ZBA.	

C. SUBMISSION ITEMS - EXISTING

1.	Supplemental sketch plan.	x
2	Photographs.	x
3.	Witnessed test pit locations and results.	X
4	Soil types and soil boundaries.	Pending

D. INFORMATION SHOWN ON SITE DEVELOPMENT PLAN - PROPOSED

1.	New grades, topographic contours	yes
2.	Structures; size, height	yes
3.	Streets, drives, parking spaces, sidewalks, dimensions and number	x
4.	Loading spaces, facilities	x
5.	Public and private utilities	х
6.	Landscaping; type, size and spacing	x
7.	Exterior lighting and signs	x
8.	Storm drainage plan, including snow removal plans	yes
9.	Circulation plan showing vehicular and pedestrian circulation	x
10.	Access plan; required public street changes, sight distance	x
11.	Dimensions between structures and property lines	x
12.	Stamp of NH Licensed Professional Engineer	yes
13.	Stamp of NH Licensed Land Surveyor	yes
14.	Stamp of NH Licensed Soil Scientist	Pending
15.	Public Land or Common Area	x

E. SUBMISSION ITEMS - PROPOSED

1.	Drainage calculations	yes
2.	Legal descriptions of easements, Condominium Assoc. Documents	x
3.	Community facilities impact studies (specify areas of study)	x
4.	Environmental Impact Statement (specify areas of study)	x
5.	Agreement for land conveyance to Town	X
6.	Other (specify)	

F. APPROVALS

Required		Date of Approval
······································	Local Excavation Permit	Pending
	NHDES Alteration of Terrain Permit	Pending
	NHDES Water Resource Board Approval	x
	ZBA Notices of Decisions – Variances or Special Exceptions	x
	ZBA Meeting Minutes for Variances or Special Exceptions	×
	Conservation Commission - Meeting Minutes	x
	NHDES Dredge and Fill Approval	x
	NHDES Approval for Sewage Disposal System – Design	x
	NHDES Approval for Sewage Disposal System – Construction	x
	NHDES Approval for Sewage Disposal System – Operation	x
	NHDES Community Water Supply Approval	x
	NHDES Underground Storage Tank Notification	×
	Department of Transportation Permit	x
	Other (specify)	

Please submit full-size six hard copies and a .pdf file of the plan set.

Signature of Owner of Record

Corey C Garabedian Authorized Representative of Owner of Record

8/26/22

Date

8/26/22

Date

(Revised 10/3/2018)

Book 2119 Page 0081

2119 081

I, Mary Sachuk, of North Andover, Essex

01152

57° MN 38 <u>___</u> 2

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County, Massachusetts,

being unmarried, for consideration paid, grant to Paul Garabedian, Jr., Charles P. Garabedian and Jack Garabedian, as joint tenants with the right of

Rockingham County, New Hampshire: . XOUX X200XX

[Description and encumbrances, if any]

Parcel No. 1: A certain tract of land situated in Chester, in said County of Rockingham, containing fifty (50) acres, more or less, bounded and described as follows, viz: Beginning at the easterly corner of said tract, at land formerly of Martin Mills, on line of cross road leading from Sandown Road to the Fremont Road, so-called; thence southwesterly by said cross road to the Sandown Road; thence northwesterly by said Sandown Road to land formerly of Charles Henry Hills; thence northeasterly by said Hills land and land now or formerly of William A. Healey to land formerly of said Martin Mills; thence southeasterly by said Mills land to the point of beginning.

Parcel No. 2: A certain tract of land situated in said Chester, containing two and one-half (21) acres, more or less, bounded and described as follows, viz: Beginning at a stake and stones on the South side of a steep hill on line of land owned formerly by Martin Mills and known as the Jacob Green land and the land of Charles H. Hills known as the Enoch Long land; thence northerly in nearly a straight line to a stake and stones near the edge of meadow formerly owned by Andrew J. Currier; thence northeasterly to a stake and stones on line of land formerly owned by Martin Mills and known as the Green land and the land now or formerly of William A. Healey formerly belonging to the heirs of William D. Smith, also being a corner bound of said Healey; thence southerly by land of said Martin Mills known as the Jacob Green land to the point of beginning. It is hereby agreed and understood that said grantee, its successors and assigns, shall build and forever keep in repair the fence between the above described parcel of land and land of Charles H. Hills, or his heirs or assigns.

Parcel No. 3: A certain tract of land situated in said Chester, containing sixty (60) acres, more or less, on the South side of the highway leading from the dwelling now or formerly of James Heath to the dwelling now or formerly of James W. Towle, bounded and described as follows, viz: Northerly by said highway; easterly by the highway leading from said highway to Long's Corner, so-called; southerly by land formerly of Harriet Sanborn; and westerly by land formerly of Nathaniel Chase.

The aforesaid three parcels are the same conveyed to me by Theodore Langdell, Commissioner, by deed dated August 12, 1969, recorded in Rockingham County Registry of Deeds in Book 1981, Page 278.

Parcel No. 4: A certain parcel of land situated in said Chester bounded and described as follows: Beginning at an iron pipe on the northerly side of the Charles Smith Road, so-called, at the southeast corner of land of William Andrews; thence northerly twenty-four (24) rods to an iron post and westerly twenty-four (24) rods by said Andrews land to the middle stone wall between two lands at land formerly of Albert Warren and Bthel M. Warren; thence northerly by the middle stone wall

(*Individual -- Joint Tenants -- Tenants in Common -- Tenants by the Entirety.)

2119 082

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past a stone wall leading in an easterly direction to a corner in a stone wall at the southwest corner of land of Spaulding and Frost; thence easterly, southerly and easterly by the stone wall and land of Spaulding and Frost to a corner in the stone wall at land now or formerly of Martin Mills; thence southerly by the stone wall and land of Martin Mills to the Charles Smith Road; thence westerly by the Charles Smith Road about twentyfive (25) rods to the point of beginning. Also the lane leading from the Charles Smith Road along the westerly side of said Andrews land to the above-described tract. Containing twelve (12) acres more or less and being Parcel "B" in deed of Albert Warren and Ethel M. Warren to Charles B. Wiggin, Jr. and Helen C. Wiggin recorded in Volume 1052, Page 211 of the Rockingham County Registry of Deeds.

<u>Parcel No. 5</u>: A certain tract of meadowland situated in said Chester bounded and described as follows: Westerly by land formerly of Sara J. Hills, now of Henry Mills; thence northerly by land formerly of Sara J. Hills and now of Henry Mills; thence easterly by land now or formerly of Jacob Green; thence southerly by land formerly owned by Cyrus W. Hills, now of Spaulding and Frost. Containing four (4) acres more or less and being the parcel "C" described in deed of Albert Warren and Ethel M. Warren to Charles B. Wiggin, Jr. and Helen C. Wiggin recorded in said volume and page of said Rockingham Registry of Deeds.

<u>Parcel No. 6</u>: A certain tract of sprout land situated in said Chester bounded and described as follows: Beginning at an iron post on the easterly side of the highway leading from Chester to the Freemont Road; thence northerly by the highway to land of Alvin Yapp; thence easterly by said Yapp land and a stone wall part way to land now or formerly of the heirs of Alvah Sanborn; thence southerly by said Sanborn land to land now or formerly of the heirs of Charles F. Hills; thence westerly by said Hills land to the point of beginning. Containing twenty (20) acres more or less and being the tract described as Parcel "D" in said deed of Albert Warren and Ethel M. Warren to Charles B. Wiggin, Jr. and Helen C. Wiggin.

Parcel No. 7: A certain tract of land with the buildings thereon situated in the said Town of Chester, bounded and described as follows: Beginning at the southeast corner of the premises on the northerly line of the Charles Smith Road, so-called, at a lane formerly of Albert Warren and Ethel M. Warren and mentioned above in Parcel No. 4; thence westerly by the northerly line of the Charles Smith Road to a stone wall at land of one LeClair; thence northerly and westerly by the stone wall and said LeClair land to land of Charles Smith; thence northerly by the stone wall and land of said Charles Smith to the north bank of a brook at land of Henry Mills; thence easterly by the north bank of the brook and land of Henry Mills to land of Spaulding and Frost; thence southerly by Spaulding and Frost land and a wire fence part way to the middle stone wall of a double lane; thence continuing southerly by said middle wall and land formerly of Albert Warren and Ethel M. Warren described in Parcel No. 4 above to the point of beginning. Containing twenty-eight (28) acres more or less and being the Parcel "E" described in said deed of Albert Warren and Ethel M. Warren to Charles B. Wiggin, Jr. and Helen C. Wiggin.

The aforesaid Parcel Nos. 4 through 7 are the same premises described as Tracts 1 through 4, inclusive, in a deed from Mabel E. Hobbs to me dated December 3, 1965, recorded in Rockingham County Registry of Deeds in Book 1801, Page 274.

The foregoing parcels are subject to an easement in favor of the New Hampshire Electric Cooperative, Inc., to maintain and repair transmission lines, recorded in Rockingham County Records, Book 1761, Page 178.

Book 2119 Page 0083 instanti xui saidegaanine, nelessen under Standiger Standi 2119 083 Mary Sachak Witness STATE OF NEW HAMPSHIRE IAX ON TRANSFER OF REAL PROPERTY ANALY IZ 4 - 1 027332 HIGHING F.B. 14 The Commonwealth of Massachusetts · · January 20, 1972 Essex, ss. Then personally appeared the above named Mary Sachuk and acknowledged the foregoing instrument to be her and deep John E. ent vission Expires October