

NHDES Waste Management Division  
29 Hazen Drive; P.O. Box 95  
Concord, NH 03302-0095

## **SOIL EXCAVATION AND DISPOSAL SPECIFICATIONS**

FORMER DAGOSTINO ROSE FARM FORMER GREENHOUSE AREA  
EXETER, NEW HAMPSHIRE  
NHDES SITE NO. 201203003  
NHDES PROJECT NO. 27859

**Prepared For:**

Exeter Rose Farm, LLC  
953 Islington Street, Suite 23D  
Portsmouth, New Hampshire 03801

**Prepared By:**

**MONADNOCK ENVIRONMENTAL CONSULTANTS**

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**Date:**

May 2, 2022

**MEC Project No:**

N21133

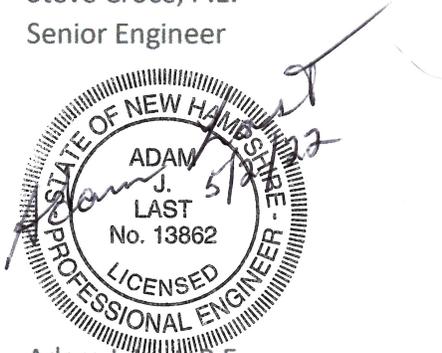


## CERTIFICATION

These specifications were reviewed by the following environmental professionals for technical accuracy, completeness, content quality and presentation. We certify to the best of our knowledge available for the site, the accuracy of the information presented herein in accordance with New Hampshire Code of Administrative Rules Env-Or 606.15(b) *Design Plans and Construction Specifications*.

Jason H. Pelchat  
Principal

Steve Croce, P.E.  
Senior Engineer



Adam J. Last, P.E.  
Engineer of Record



May 2, 2022  
MEC File No. N21133

Mr. Michael McCluskey, P.E.  
New Hampshire Department of Environmental Services  
Waste Management Division – Hazardous Waste Bureau  
29 Hazen Drive - P.O. Box 95  
Concord, New Hampshire 03302-0095

**RE: SOIL EXCAVATION AND DISPOSAL SPECIFICATIONS**

Former Dagostino Rose Farm  
Exeter, New Hampshire  
NHDES Site No. 201203003  
NHDES Project No. 27859

Dear Mr. McCluskey:

On behalf of Exeter Rose Farm, LLC, Monadnock Environmental Consultants (MEC) in conjunction with Lasting Environmental Solutions, Inc. (LES) is submitting these Soil Excavation and Disposal Specifications (Specifications) for the above-referenced site.

As discussed in a February 15, 2022, telephone conversation, the Specifications have been split into separate sections as the remedial work will be completed in phases. The Specifications for Basin No 4 Dewatering, Sediment Stripping, Decanting and Offsite Disposal and the Boiler and Packing Building Capping and Activity and Use Limitations will be submitted under sperate cover. These Specifications were prepared in accordance with New Hampshire Code of Administrative Rules Env-Or 606.15(b) *Design Plans and Construction Specifications*.

If you have any questions regarding this submittal, please feel free to contact the undersigned.

Sincerely,

**MONADNOCK ENVIRONMENTAL CONSULTANTS**

Steve Croce, P.E.  
Senior Engineer

Jason H. Pelchat  
Principal

cc: Mr. Todd Baker, Exeter Rose Farm, LLC

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# SOIL EXCAVATION AND DISPOSAL SPECIFICATIONS

<b>PROJECT NAME:</b> Former Dagostino Rose Farm	<b>ENGINEER:</b> MEC/Lasting Environmental Solutions, Inc.
<b>PROJECT LOCATION:</b> Oak Street Extension	<b>OWNER:</b> Exeter Rose Farm, LLC
<b>NHDES SITE NO:</b> 201203003	<b>SPECIFICATION DATE:</b> May 2, 2022

## PART 1- GENERAL CONDITIONS

### 1.1 RELATED DOCUMENTS

- A. Pertinent assessment and investigation reports, test pit/boring logs and field and laboratory analytical testing data completed to date at the Site ([Figure 1](#)) by Credere Associates, LLC, (Credere), Stonehill Environmental, Inc. (StoneHill) and Subdivision Plans completed by T.F. Moran for which these specifications were derived from are available for review via the NHDES OneStop database search (<https://www4.des.state.nh.us/DESOneStop/PRSDetail.aspx?ID=0027859&Type=PRS>) and dedicated Site [Dropbox](#), respectively and include:
1. Phase I Environmental Assessment (ESA) Report, April 2012;
  2. Site-Specific Quality Assurance Protection Plan (SSQAPP) Addendum, November 2012;
  3. Supplemental Phase II ESA Work Plan, July 2015;
  4. Phase II Environmental Site Assessment, November 2015;
  5. Phase II Environmental Site Assessment, April 2016;
  6. Supplemental Phase II Environmental Site Assessment, July 2016;
  7. Amendment to Supplemental Phase II Environmental Site Assessment, September 2016;
  8. Supplemental Site Investigation and Remedial Action Plan, February 2017; and
  9. Response to NHDES Comments on RAP.
  10. Subdivision Plans – An Open Space Development ‘Exeter Rose Farm’
- B. The Site conditions provided in the above reports is to provide factual pertinent Site information only and shall not be interpreted as a warranty of Site-wide subsurface conditions. Contractor should obtain and analyze such information as the Contractor may feel necessary and shall be responsible for any conclusions drawn from that information.

- C. The Contractor shall base his means and methods for executing the Work not only on the available information and engineers recommendations, but also on his local experience and knowledge.

## 1.2 SCOPE OF WORK

- A. The scope of work covered under these Specifications consists of providing all labor, equipment, supplies, material, transportation, handling and storage, and performing all activities necessary to meet the project objectives including, but not limited to the following:
1. Obtaining all permits required to complete the scope of work described herein;
  2. Soil excavation/stripping and screening;
  3. Segregation of clean and contaminated soil;
  4. Providing, installing, and maintaining soil stockpile containment areas;
  5. Providing, installing, and maintaining impervious covers for contaminated soil stockpile(s);
  6. Transportation and disposal of contaminated soil, screened material/debris;
  7. Dewatering, storage, treatment, and disposal; and
  8. Backfilling, restoration of surfaces and/or other tasks detailed in these specifications necessary to complete the scope of work.
- A. The Work shall be substantially completed within 90 calendar days from the Notice to Proceed.

## 1.3 ABBREVIATIONS

- |    |       |  |
|----|-------|--|
| A. | ASTM  | American Society for Testing and Materials         |
| B. | BGS   | Below Ground Surface                               |
| C. | COCs  | Contaminants of Concern                            |
| D. | CFR   | Code of Federal Regulations                        |
| E. | EPA   | United States Environmental Protection Agency      |
| F. | FGA   | Former Greenhouse Area                             |
| G. | NHDES | New Hampshire Department of Environmental Services |
| H. | NHDOT | New Hampshire Department of Transportation         |

I.	PID	Photoionization Detector
J.	PAHs	Poly Aromatic Hydrocarbons
K.	PPE	Personal Protective Equipment
L.	PPM	Parts Per Million
M.	Pb	Lead
N.	SRS	Soil Remediation Standards
O.	SWPPP	Storm Water Pollution Prevention Plan

#### **1.4 DEFINITIONS**

- A. "Comingle" - To put together into one mass so that the constituent parts are more or less homogeneous.
- B. "Contractor" means the person, firm, or corporation with whom the Owner has executed the Agreement.
- C. "Contamination" means the presence of a regulated contaminant, as defined herein, in soil, construction/excavation debris, and/or any other material at a concentration that has the potential to adversely affect human health or the environment.
- D. "Engineer" means the person, firm or corporation named as such in the Contract Documents.
- E. "Owner" means a public or quasi-public body or authority, corporation, association, partnership, or individual for whom the work is to be performed.
- F. "Receptor" means a living organism or an environmental medium that is, or has the potential to be, exposed to contamination from a discharge.

#### **1.5 EQUIPMENT**

- A. All equipment, tools, and machines used in the performance of the Work covered by these Specifications shall be subject to the approval of the Engineer and shall comply with all applicable safety requirements. All equipment used on the project shall be adequately maintained and shall be the proper equipment for the Work being accomplished so as to produce the result required by these Specifications within the specified time frame.
- B. Although depth of the specified excavation is not of concern (<2 feet below

ground surface or bgs), due to the amount of concrete and debris removal/management required as part of this Work, the Contractor shall furnish an excavator with a minimum bucket digging force of 22,180 pounds of force (lbf).

## 1.6 RESPONSIBILITIES OF OWNER

- A. Prior to construction initiation and during project duration, the owner shall be responsible for providing the following during approved work hours (7:00 am to 7:00 pm):
1. Unobstructed access and egress to Site;
  2. Temporary electrical power supply; and
  3. Access to on-site portable sanitary facilities during the Work.

## 1.7 PERMITS, RULES, ORDINANCES

- A. The Contractor shall comply with all applicable NH state laws, rules, regulations, codes, and/or ordinances, and shall ensure all permits and licenses necessary for the prosecution of Work are obtained/approved prior to commencement of work. Permits include:
1. NHDES Remedial Action Plan – Approved
  2. NHDES Alteration of Terrain – Pending
  3. Stormwater Pollution and Prevention Plan – Pending
  4. Other permits, as required by Local laws and/or ordinances.
- B. The Contractor shall comply with the requirements of State of New Hampshire Code of Administrative Rules [Env-Or 600](#), *Contaminated Site Management*, specifically Env-Or 611.01, *Requirements for Managing Contaminated Soils*.

## 1.8 TRAFFIC CONTROL AND FLOW PATTERNS

- A. The Contractor shall provide traffic control when required by state and/or local authorities, or as directed by the Engineer.
- B. Traffic control shall consist of one (1) or more uniformed police officers or licensed traffic control company, with or without a vehicle, as deemed necessary by state or local authorities. The Contractor shall establish requirements for traffic control with the applicable state and local authorities.

- C. Traffic Safety officials shall be clothed in a suitable and characteristic uniform that will readily distinguish them from all other site employees and meet ANSI Class 3 equivalent or greater high visibility rating.
- D. The Contractor shall provide signs, traffic cones, barriers, and other devices where required to control traffic flow.
- E. The Contractor and any associated subcontractors shall at all times be responsible for exercising reasonable precaution when traveling along Oak Street Extension and shall not exceed five (5) mph.
- F. Construction traffic shall not be allowed to travel on Oak Street Extension outside approved work hours (TBD).
- G. Construction traffic shall not be allowed to sit idle on Oak Street Extension. The Contractor shall ensure any truck traffic coming to and from the Site shall have all appropriate paperwork/manifests completed prior to or while on site.

## **1.9 HEALTH AND SAFETY RESPONSIBILITIES**

- A. The Contractor shall at all times be responsible for exercising reasonable precaution for the health and safety of employees, subcontractors and vendors engaged in the execution and control of the Work required in these Specifications.
- B. The Contractor shall comply with all applicable provisions of federal, state, and local health and safety statutes, codes, and regulations, including [29 CFR Parts 1910](#) and [1926](#).
- C. The Contractor shall adhere to a project specific Health and Safety Plan, for use by all employees, subcontractors and vendors engaged in the Work as required by the OSHA in 29 CFR 1910.120. The Contractor shall review the plan with all on-site employees and other personnel prior to start of any Site Work.
- D. Excavation and handling of Lead (Pb) impacted soil and groundwater shall be required and will require proper safety and handling training including Occupational Safety and Health Administration (OSHA) Hazardous Waste Operations and Emergency Response ([HAZWOPER](#)) and Level D PPE at a minimum.

## **1.10 UNDERGROUND UTILITIES**

- A. In accordance with State of New Hampshire law, the Contractor shall obtain appropriate [Dig Safe®](#) clearance prior to the initiating any Site excavation deeper

- than six (6)-inches bgs. In addition, the Contractor should be prepared to obtain local and NHDOT bonding, and/or street opening permits, should they become required.
- B. Underground utilities may exist in the work areas. The Contractor shall review the locations of underground utilities with the Engineer before beginning excavation or other intrusive activities. The Contractor shall review any available drawings indicating utility locations. The Contractor shall contact appropriate local or municipal utilities and contact Dig Safe and obtain an Authorization to Excavate number prior to beginning any intrusive work at the Site.
- C. The Contractor is responsible for any damage to utilities marked by the local or municipal utilities or Dig Safe, shown on drawings, or otherwise believed to be present based on the Contractor's field observations or discussions with the Owner and/or Engineer. Any such utilities damaged by performance of the Work shall be repaired by the Contractor at no additional cost. The Contractor shall repair all damaged utilities to the satisfaction of the utility owner and the Engineer.

#### **1.11 TEMPORARY EROSION AND SEDIMENTATION CONTROL**

- A. The Contractor shall protect the Work from wind and water erosion including but not limited to providing temporary erosion and sedimentation-control measures to prevent soil erosion and discharge of soil-bearing water runoff or airborne dust to adjacent properties and walkways in accordance with the approved Storm Water Pollution Prevention Plan (SWPPP) within NHDES AOT Permit. The Contractor shall be responsible for proper management, treatment (if required), and/or disposal of any surface water that enters the Work area due to improper management.
- B. Inspect, maintain, and repair erosion and sedimentation-control measures during construction until permanent vegetation has been established.
- C. Remove erosion and sedimentation controls and restore and stabilize areas disturbed during removal.

#### **1.12 PROSECUTION OF WORK**

- A. It is understood and mutually agreed upon by and between the Contractor and the Owner, that the date of beginning and the timeframe for completion of Work as specified in the Contract between the Owner and Contractor to be done hereunder are essential conditions of these Specifications; and it is further

mutually understood and agreed that the Work embraced in this these Specifications shall be commenced on a date to be specified in the "Notice to Proceed" and shall be completed within 90 days of "Notice to Proceed."

- B. The Contractor shall pursue the Work regularly, diligently, and continuously at such rate of progress as will ensure full completion thereof within the time specified in the Contract. It is expressly understood and agreed, by and between the Contractor and the Owner, that the time for the completion of the Work described is a reasonable time. The Contractor shall limit the days and hours of work to comply with local ordinances.

## **PART 2 EARTHWORK**

### **2.1 SUMMARY**

- A. The Work consists of stripping, excavation, screening, and offsite disposal of Pb impacted soil and recycling and/or disposal of screened material and debris.

### **2.2 EXCAVATION OF REMEDIATION AREAS**

- A. The stripping and excavation Work shall be conducted within the limits depicted on [Figure 2](#) for the following areas:
  - 1. Former Greenhouse Area (FGA) located in the Northeastern – Central section of the Site; and
  - 2. Retention Basins Nos 1, 2, and 3 located in the South-Central section of the FGA.
- B. Contractor is responsible for the protection and maintenance of the existing monitoring wells located within or in the vicinity of the FGA area areas as depicted on Figure 2 during excavation activities.
- C. The Contractor shall utilize appropriate industry standard means and methods and equipment necessary to protect existing monitoring well from excavation activities and truck traffic.

### **2.3 CLASSIFICATION**

- A. Excavation will be classified in accordance with the following definitions for Common, Uncommon, Sediment, and Trench excavation. The classification of excavations will be determined by the MEC representative in the field.
  - 1. Common excavation shall be defined as the excavation of any comingled

- materials including grass, loam/topsoil and/or sediment with glass, concrete, brick, clay, fragments, and metal buried in the near-surface soils of the FGA.
2. Uncommon excavation shall be defined as the excavation of surface soil vegetation, stumps, roots, and rocks materials including grass, loam/topsoil without glass, concrete, brick, clay, fragments, and metal.
  3. Sediment excavation shall be defined to include all soil materials located below seasonal high-water line within Basins Nos. 1, 2, and 3 and retention areas built for surface water drainage and runoff containment.
  4. Trench excavation shall be defined to include all materials including soil, gravel/stone, and irrigation materials (plastic and/or steel) formerly used for drainage from the FGA operations.

#### **2.4. STRIPPING, EXCAVATION AND SAMPLING**

- A. The Contractor shall uniformly strip/excavate existing common and uncommon material from the FGA depicted on [Figure 2](#) and shall commence on the southeastern portion of the FGA, working in a general northeast to southwest manner.
- B. The Contractor shall not excavate, travel through, or disrupt specific areas of the site currently impacted by invasive plant species such as Japanese Knot Weed (aka "Bamboo") not located within the FGA. Affected areas of the site are depicted on [Figure 2](#).
- C. Any excavations completed on affected areas within the FGA shall be completed in accordance with the State of New Hampshire Department of Agriculture [Best Management Practices](#).
- D. The Contractor shall utilize appropriate industry standard means and methods and equipment necessary to excavate to the limits designated by these Specifications and authorized by the Engineer.
- E. Contractor shall utilize all appropriate industry standard means and methods and equipment necessary to avoid deterioration and commingling of the subgrade, thereby creating additional excavation efforts beyond the limits originally authorized.
- F. All erosion and sediment control practices shall be in place and functioning prior to initiating stripping. Suitable erosion control measures are presented in the [Miscellaneous Notes, Drawing C-18](#) of the Subdivision plans for the Site.

- G. Excavation of common and uncommon materials shall be completed to an approximate depth of six (6) to twelve (12)-inches or to the subbase interface of the former concrete growing troughs (Figure 3), whichever is encountered first. However, common material depths may vary from the east to west and could extend up to two (2) ft. bgs in areas.
- H. Confirmatory Pb field screening of post excavated grids within the FGA will be performed by the Engineer via a Thermo Fisher Scientific Niton XL3t GOLDD+ XRF Analyzer (XRF) and calibrated in accordance with manufacturers guidelines daily. Calibration checks will be completed every four (4) hours of use.
- I. Twelve (12) confirmatory XRF tests (one [1] every 16 ft. +/-) will be analyzed from within each 50 ft x 50 ft grid box as depicted on Figure 2.
- J. Should additional excavation be required once the initial excavation goal depth has been achieved based on confirmatory Pb tests performed by the Engineer, additional excavations shall be completed in the minimum thickness feasible utilizing equipment chosen by Contractor and under the direction of the Engineer.
- K. Process will be repeated until the Engineer receives passing XRF analysis of 300 ppm or less from each grid location.
- L. Representative composite soil samples will be collected from the excavated materials and submitted to a NHDES certified laboratory for total Pb and disposal parameters analysis.
- M. If concentrations of Pb are detected above 100 ppm within any composite laboratory sample, a Toxicity Characteristic Leachate Procedures (TCLP) analysis will be completed to assess the sample for its leachate ability or hazardous waste classification (Pb 20x the TCLP regulatory standard of 5 ppm).
- N. Once the Engineer receives passing XRF analysis from each grid location, a confirmatory composite soil sample will be collected from each grid and submitted to a NH certified laboratory for total Pb analyses.
- O. GPS coordinates for confirmatory samples will be collected by the Engineer concurrently with the confirmatory Pb analysis via the XRF's internal GPS identification management system.
- P. Stripping, excavation, and stockpiling shall be done under reasonably dry conditions. Due to nature of materials to be removed (topsoil/loam, silt, and clay) if wet, will create unfavorable conditions for stripping, excavation and stockpiling

as well as creating favorable conditions for surface water ponding and runoff.

- Q. All excavated materials shall be screened to remove FGA demolition debris and stockpiled to segregate Pb impacted soil from the FGA demolition debris. See [Section 2.7](#) for screening specifications and details.

## 2.5 BACKFILLING

- A. Do not backfill excavations until the limits of grid excavation have been approved by the Engineer.
- B. Placement, compaction, and grading of all backfill materials shall be conducted in accordance with [Grading and Erosion Control Plans C-19 to C-21](#) of the Subdivision plans for the Site and is not part of these specifications or RAP.

## 2.6 SITE RESTORATION

- A. Site restorations activities shall be conducted in accordance with the [Subdivision plans](#) for the Site and is not part of these specifications or RAP.

## 2.7 UNCOMMON AND COMMON MATERIAL SCREENING

- A. Excavated common and uncommon material removed from the FGA will be screened via a Triple Deck Mobile Screening Unit or greater capable of producing at least four (4) individual piles of material (fines, small to mid, mid to large and overs).
- B. Anticipated debris within the uncommon and to a lesser extent common materials once screened will be comprised of the following:
1. *Fines* – Pb impacted soil, glass, caulking, plastic piping fragments and paint chip particles with some gravel/concrete fragments and organic matter (1-inch or less)
  2. *Small to Mid* – Glass, wood/concrete/brick and clay pot fragments, plastic irrigation piping fragments, metal wire/rebar and/or nails/screws).
  3. *Mid to large* – Concrete/brick, clay pot fragments, wood beam/timber pieces.
  4. *Overs* – Metal piping/framing, rebar/wire mesh, irrigation and drainage valves, metal support beams/frames.
- C. Impacted materials to be removed (topsoil/loam, silt, and clay) if wet, will create unfavorable conditions for screening especially through finer mesh

screens/sieves. Therefore, screening shall be completed during reasonably dry conditions.

- D. Once screened, Contractor shall relocate the screened piles to individual stockpiles in areas not to impede further excavation efforts and in close proximity to the screening operation.
- E. Where segregation is a concern, the pile at the end of the discharge belt shall not be allowed to build up to a height greater than 15 ft. Stockpiling shall be performed using appropriate loaders, trucks or stacking conveyors of the Contractors choice.

### **PART 3 MATERIAL STORAGE, LOADING, DISPOSAL CLASSIFICATION AND TRANSPORTATION**

#### **3.1 CONSTRUCTION OF STOCKPILES**

- A. The Contractor shall construct, manage and maintain stockpiles in accordance with [Env-Or 611.05](#) for a period of no more than four (4) months.
- B. The Contractor shall clear the designated stockpile area(s) of all debris, vegetation, rocks, snow, and other objectionable material prior to placing any screened material on the stockpile locations.
- C. Stockpiling of excavated materials shall be staged in relatively flat areas, void of slopes, depressions, and/or drainageways if practical. If infeasible, stockpiles shall be staged in areas or at elevations conducive to drain rather than pond.
- D. The selection of stockpile locations shall be established by the Contractor prior to commencement of stripping and excavation and shall be staged accordingly within close proximity to the materials screening operation. The suitability and location of stockpiles, as well as access to and from, will be subject to the approval of the Engineer.
- E. The stockpiles should be placed within properly constructed containment berms as illustrated on [Figure 4](#). Segregation of the material shall be Contractors main priority.
- F. Screened stockpiles will be generated to designate and minimize Pb-impacted uncommon material for off-site disposal and uncommon materials for onsite recycling (concrete) and offsite recycling (metal) and disposal (glass, plastic, wood etc.).

- G. Each screened stockpile shall be separated by a sufficient distance to allow equipment access to all sides of the stockpile.
- H. When trucks or loaders are used, loads shall be spot dumped uniformly over the entire stockpile area. The material shall be placed in layers not exceeding five (5) ft. in depth. Each layer shall be completed and levelled prior to placing the succeeding layer.
- I. If a stacking conveyor is used for stockpiling, the material shall be placed into stockpile directly from the stacking conveyor, or it shall be placed into a surge pile and moved and placed in the select stockpile by loaders.
- J. Uncommon and common material which becomes commingled during the stockpile process due to Contractors negligence will be become the responsibility of the Contractor.
- K. Based on composition of the screened piles, screened stockpiles shall be built to a manageable width and height for proper containment. Obsessive coning of the stockpiles or spilling/commingling of material over the edges of the stockpile will not be permitted.
- L. Appropriate berm configurations are depicted on [Figure 4](#) and shall be placed as follows:
  - 1. *Fines* – Placed on a double layer of six (6)-mil polyethylene sheeting or equivalent. Stockpile shall be covered with a single layer of 6-mil polyethylene (poly) sheet at the end of each workday or during work hours for the duration of rain event.
  - 2. *Small to Mid* - Placed on a double layer of six (6)-mil polyethylene sheeting or equivalent. Stockpile shall be covered with a single layer of six (6)-mil polyethylene (poly) sheet at the end of each workday or during work hours for the duration of rain event.
  - 3. *Mid to large* - Stockpile shall be covered with a single layer of six (6)-mil polyethylene (poly) sheet at the end of each workday or during work hours.
  - 4. *Overs* - Stockpile shall be covered with a single layer of six (6)-mil polyethylene (poly) sheet at the end of each workday.
- M. The completed stockpiles shall be neat, regular in form and constructed to occupy the smallest feasible area.
- N. When in use, poly sheeting shall be secure at all times to prevent disturbance by

wind or water. Contractor is responsible for continuous maintenance of the stockpile and replacement, if damaged or significantly compromised.

- O. Perimeter controls/berms shall be placed around the stockpile immediately after placing six (6)-mil polyethylene sheets over the selected stockpile area(s). Wooden stakes shall be driven into the corners of the poly-lined stockpiles to establish the perimeter and prevent wind and drainage from dislocating the lined base.
- P. The Fines stockpile shall be sampled in accordance with [Env-Or 611.04](#), and per *Response to NHDES Comments*, dated August 30, 2018, for proper disposal characterization parameters by the Engineer.

### 3.2 LOADING

- A. The Contractor shall load, transport, and dispose of each stockpiled material appropriately in accordance with [Env-Or 611.06](#) or shall be recycled accordingly in accordance with NHDES Solid Waste Management Division Regulations [Env-Sw 100-2100](#) and shall include the following:
  - 1. *Fines* –All material from this screened stockpile shall be loaded during dry conditions only into industry standard triaxle dump trucks with a hauling capacity of no less than thirty (30) tons and equipped with a functioning electric roll tarp.
  - 2. *Small to Mid* - All material from this screened stockpile shall be loaded during dry conditions only into industry standard triaxle dump trucks with a hauling capacity of no less than thirty (30) tons and equipped with a functioning electric roll tarp.
  - 3. *Mid to large* – Concrete/brick and clay material from this screened stockpile shall be reused on site. All remaining materials shall be loaded into equipment selected by contractor and equipped with a functioning electric roll tarp or protective cover from wind.
  - 4. *Overs* - Concrete/brick and clay material from this screened stockpile shall be reused on site. All remaining material shall be loaded into equipment selected by contractor and equipped with a functioning electric roll tarp or protective cover from wind.

### 3.3 DISPOSAL

- A. All material from the *Fines* stockpile shall be shipped to Waste Management's (WM) Turnkey Recycling and Environmental Enterprise (TREE) facility in Rochester,

NH, or equivalent facility approved by the Engineer.

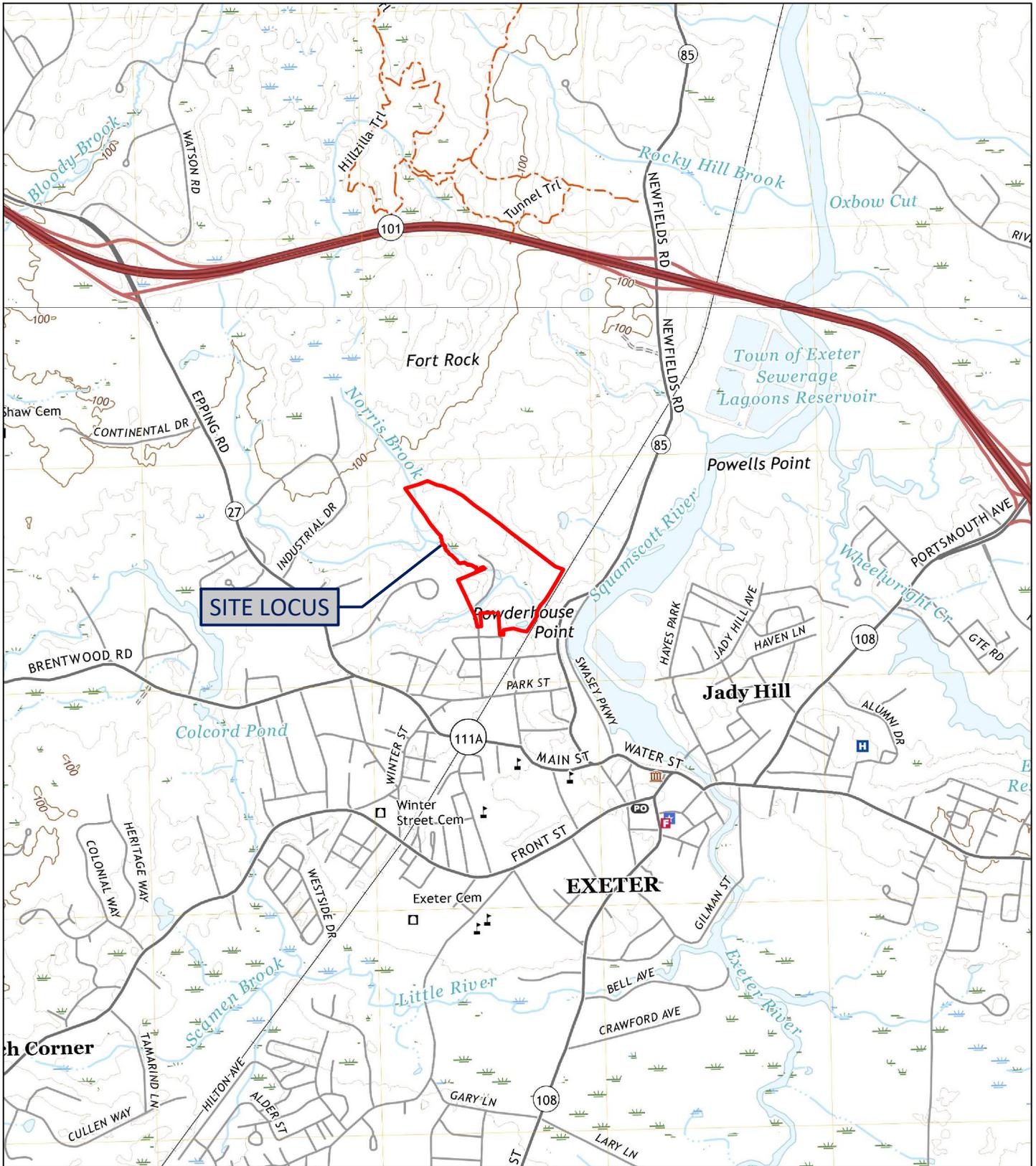
- B. All material from the *Small to Mid*-stockpile shall be recycled accordingly in accordance with NHDES Solid Waste Management Division Regulations [Env-Sw 100-2100](#).
- C. Concrete/brick and clay fragments within *Mid to large* and *Overs* stockpiles shall be combined, stockpiled, and pulverized into fragments (1.5-inch minus) by Contractor for on-site reuse as crushed gravel for site roadway base materials. Remaining material from *Overs* stockpile shall be recycled accordingly in accordance with NHDES Solid Waste Management Division Regulations [Env-Sw 100-2100](#).
- D. Any remaining crushed concrete/brick/clay fragments will be reused onsite mainly as a road base and as necessary per contractors discretion abiding the material shall be buried at least two (2) ft. bgs and more the four (4) ft above the mean high groundwater table, and 75 feet from water bodies on site. Groundwater monitoring wells located across the site will allow for proper groundwater measurements and placement of recycled concrete/brick/clay fragments in accordance with NHDES Solid Waste Management Division Regulation ([Env-Sw 810.04](#)).

### **3.4 TRANSPORTATION**

- A. Contractor shall transport materials in accordance with all applicable NHDOT rules and requirements.
- B. Contractor shall maintain a current Hazardous Waste Transportation License in the event Pb impacted material is classified as a Hazardous Waste based on TCLP results (20x reg limit of 5 ppm for Pb) or shall have contingency plan in place to handle hazardous waste should it be required by Engineer.
- C. All contaminated stockpiles shall be removed from the site and transported to an approved disposal facility within four (4) weeks after receipt of analytical results. The Contractor shall be responsible for any additional disposal costs incurred due to excess weight caused by increase in soil moisture content after the soil is excavated.
- D. To eliminate the potential for possible tracking of Pb impacted materials off site, all construction vehicles leaving the site must tarp and cover each loaded truck.
- E. Each loaded truck shall pass through a temporary tire and chassis washing

station. Appropriate washing station configurations are depicted on [Figure 5](#) and shall allow for, at a minimum, the following activities:

1. Dry brush exterior dust, dirt, and debris from the loaded truck; and
  2. Pressure-wash the under-carriage, gate or tractor portions and tires of the loaded truck with a gasoline-powered, mobile unit of capable of maintaining a minimum 3,000 pounds per square inch (psi) of pressure.
- F. Contractor shall be responsible for the construction and maintenance of the temporary tire and chassis washing station.
- G. The Contractor shall not release loaded trucks from the washing station which have free-standing water inside the bed or water/fluids leaking from the tail gate.
- H. The Contractor shall ensure that each washed truck has been inspected and received approval to transport waste materials safely off the site.
- I. The wash station shall be constructed in an area chosen by contractor and in the closest proximity to the paved portion of Oak Street Extension that will not generate additional dirt or mud on the departing washed trucks.
- J. Contractor shall be responsible for the collection, containment, treatment (if required) and disposal of all wash water and/or material generated from the wash station within a Frac tank, or 55-gallon drums stored within a protective housing/containment area approved by the Engineer.



  
 MN 14°27' W  
 CLIENT: EXETER ROSE FARM, LLC  
 DATE: 01/10/22  
 PROJECT NO.: N21133

**MONADNOCK**  
 ENVIRONMENTAL CONSULTANTS  
 P.O. Box 7212 | Milford, NH 03055 www.MEC-NH.com



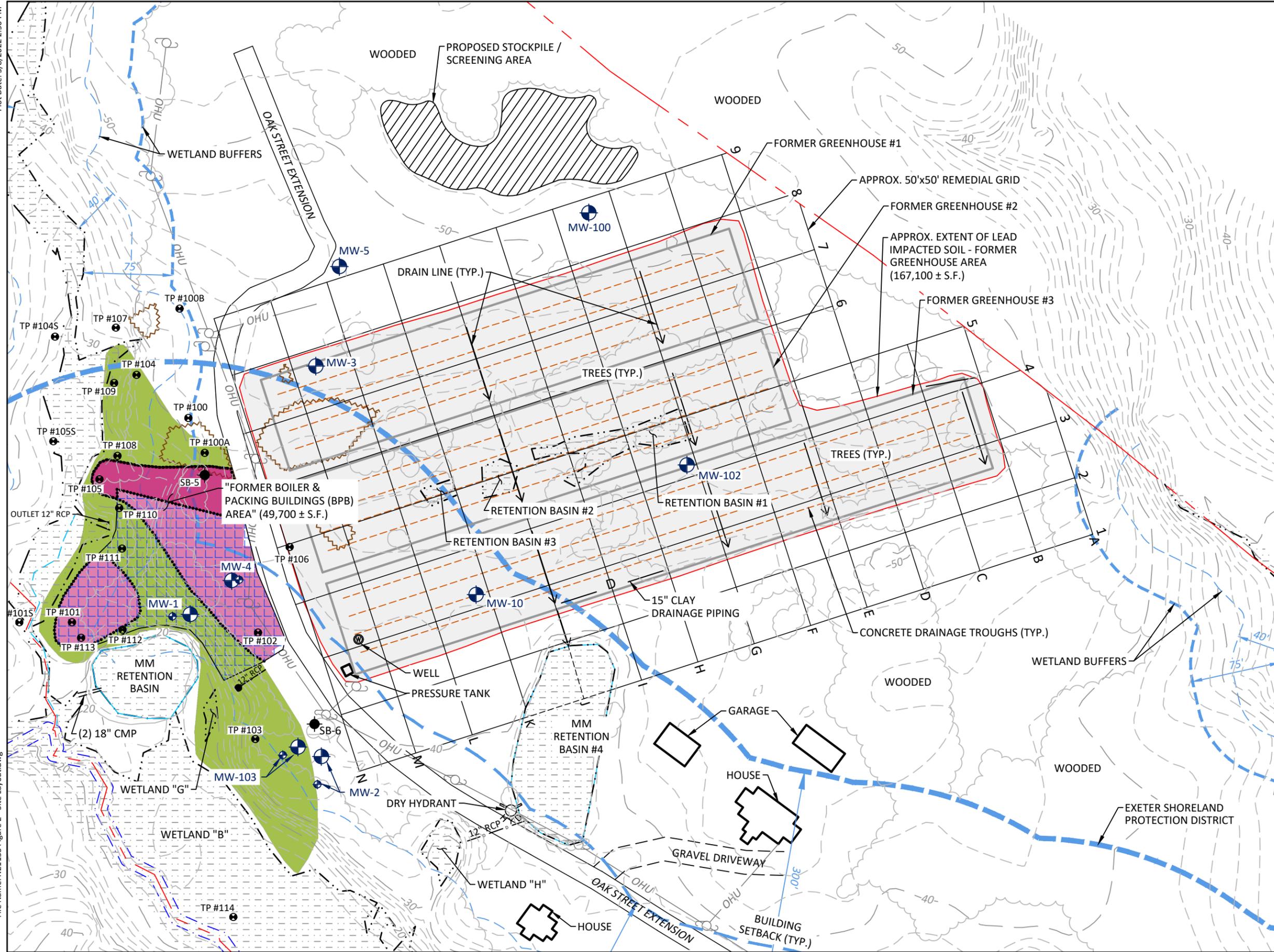
0 1,000 2,000 4,000  
  
 1 inch = 2,000 feet  
 USGS Quads: 2021 NEWMARKET, NH & 2021 EXETER, NH, MA

**LOCATION:**  
 EXETER ROSE FARM  
 80 OAK STREET EXT.  
 EXETER, NH  
 42° 59' 29.0" N  
 70° 57' 26.1" W

**FIGURE 1**  
**SITE LOCUS MAP**

Plot Date: 3/8/2022 2:50 PM

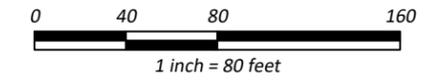
File Name: N21133 Figure 2 - Site Layout.dwg



**LEGEND**

- APPROXIMATE PROPERTY BOUNDARY
- BUILDING OUTLINE
- SOIL BORING
- TEST PIT
- MONITORING WELL
- TREELINE
- MINOR SURFACE CONTOUR (2FT)
- MAJOR SURFACE CONTOUR (10FT)
- EDGE OF PAVEMENT
- EDGE OF GRAVEL
- EDGE OF STREAM
- EDGE OF POND
- WETLAND AREA
- UTILITY POLE
- OVERHEAD UTILITY
- APPROXIMATE ASH
- APPROXIMATE SOLID WASTE
- APPROXIMATE CONSOLIDATION AREA
- BAMBOO AREAS

NOTES:  
 ALL SITE FEATURES ARE APPROXIMATE.  
 BASEMAP FROM TFMORAN SEACOAST DIVISION.



CLIENT: EXETER ROSE FARM, LLC	
PROJECT NO.: N21133	DATE: 03/08/22
DRAWN BY: LKH	CHECKED BY: JHP

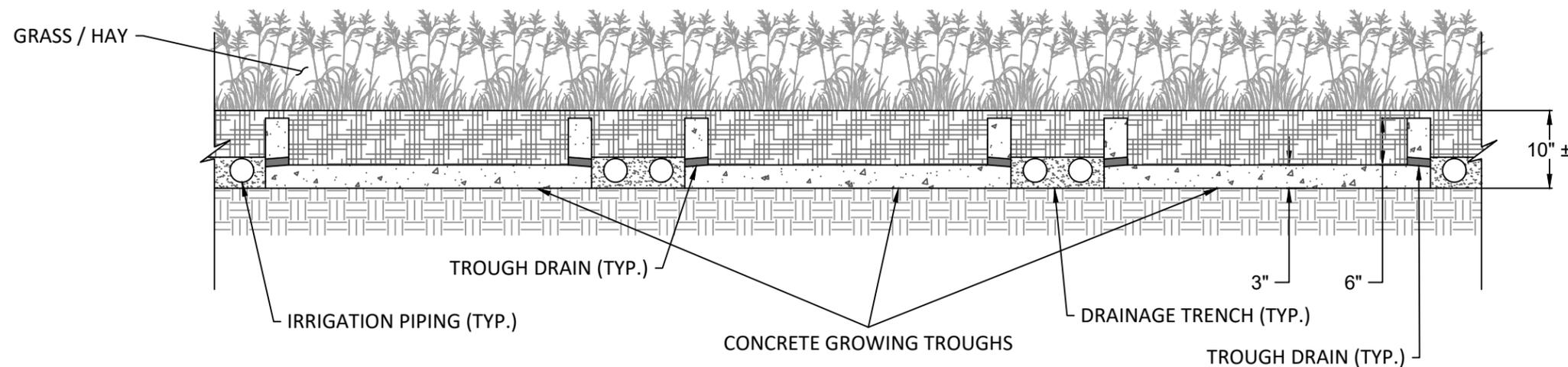
EXETER ROSE FARM  
 80 OAK STREET EXT.  
 EXETER, NH 03833

**SITE LAYOUT**

**FIGURE 2**

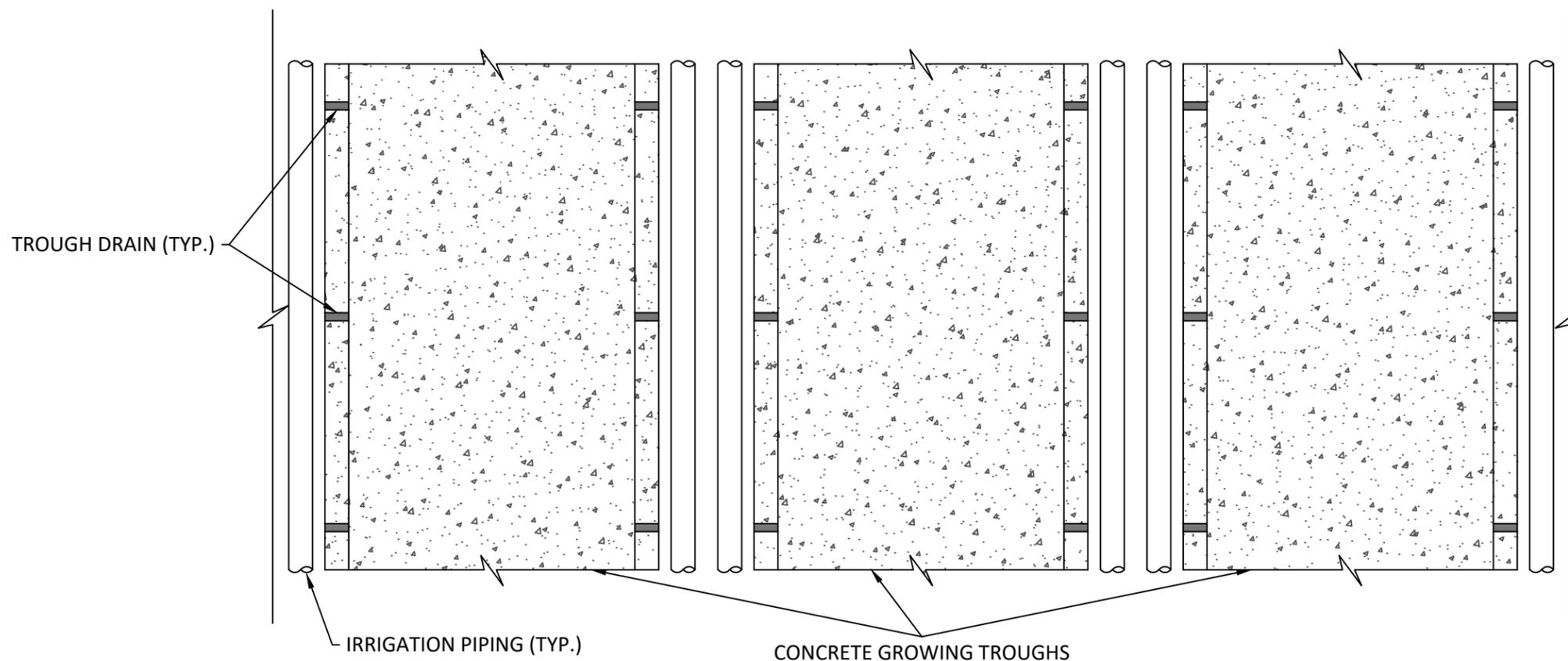
**LEGEND**

-  TOPSOIL / LOAM MIXED WITH LARGE AMOUNTS OF GLASS, WOOD, METAL, CAULKING, AND PLASTIC PIPING
-  SAND / GRAVEL
-  NATIVE SUBGRADE (MEDIUM TO FINE SAND AND SILT, SOME CLAY)
-  CONCRETE



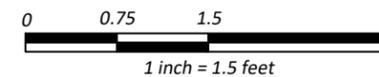
**TYPICAL GREENHOUSE AREA SUBSURFACE PROFILE CROSS SECTION**

1" = 1.5' APPROXIMATE



**TYPICAL GREENHOUSE AREA SUBSURFACE PROFILE AERIAL VIEW**

1" = 1.5' APPROXIMATE



CLIENT: EXETER ROSE FARM, LLC

PROJECT NO.: N21133

DATE: 03/08/22

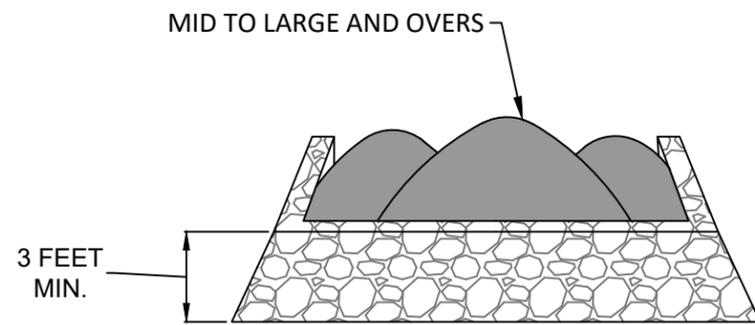
DRAWN BY: LKH

CHECKED BY: JHP

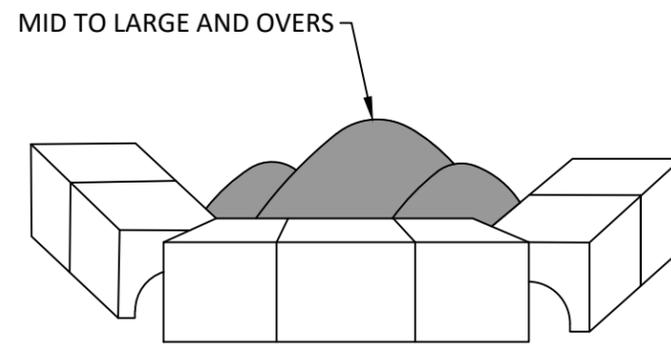
EXETER ROSE FARM  
80 OAK STREET EXT.  
EXETER, NH 03833

**EXISTING CONDITIONS**

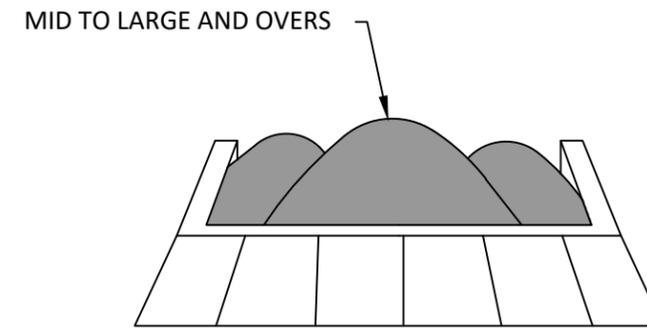
**FIGURE 3**



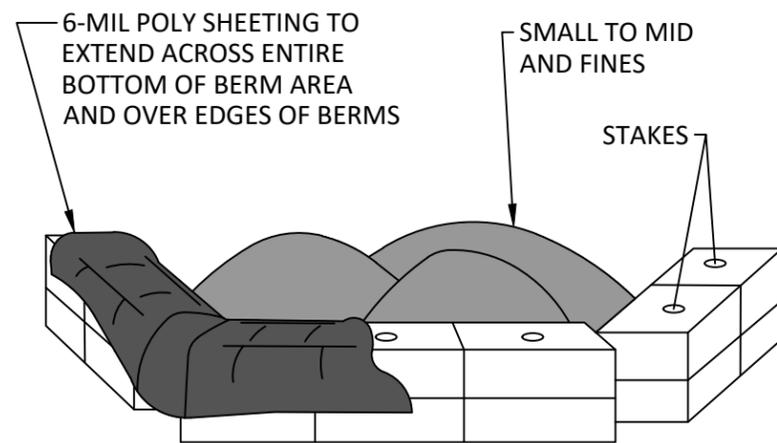
1. WINDROW BOULDERS / SHOT ROCK



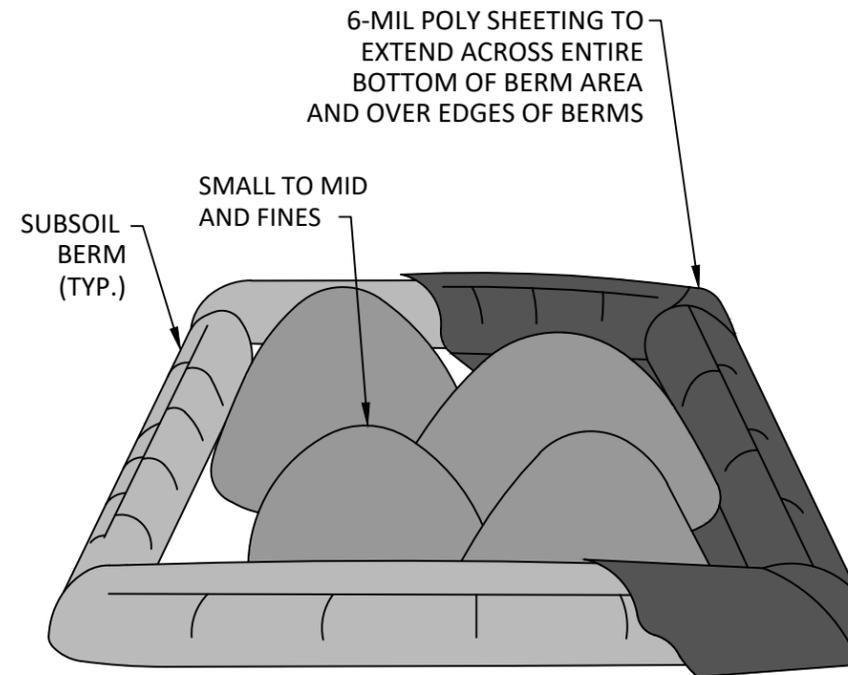
2. SADDLE WEIGHTS



3. JERSEY BARRIER



4. STRAW BALES (STAKED)



5. EARTH/SUBSOIL BERM

NOTES:

1. CONSTRUCT SUMP OR BERMS TO CONTAIN EXCAVATED INSTREAM SPOIL SO THAT SILTY RUNOFF DOES NOT ENTER WATERCOURSE OR FLOW OFF RIGHT-OF-WAY.
2. STRIP TOPSOIL FROM AREA TO BE USED AS SPOIL STORAGE.

**STOCKPILE CONTAINMENT OPTIONS DETAIL**

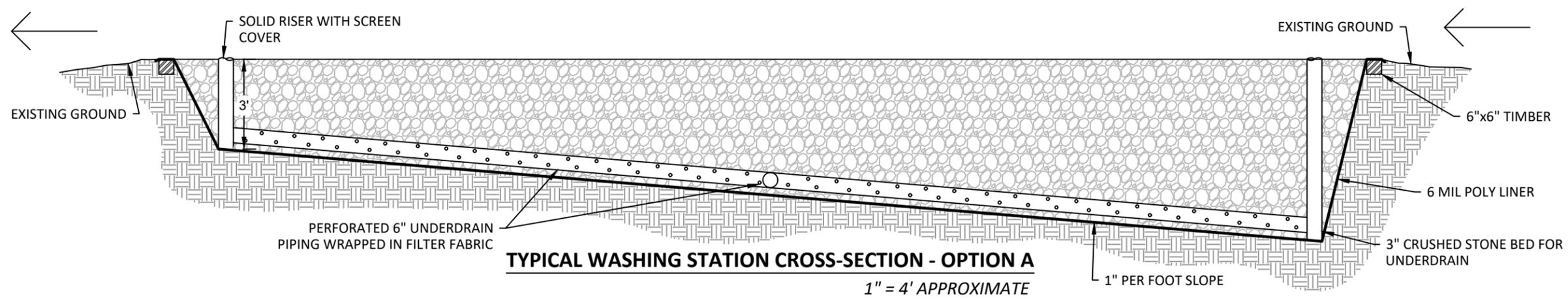
NOT TO SCALE

CLIENT: EXETER ROSE FARM, LLC	
PROJECT NO.: N21133	DATE: 03/08/22
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EXETER ROSE FARM 80 OAK STREET EXT. EXETER, NH 03833	

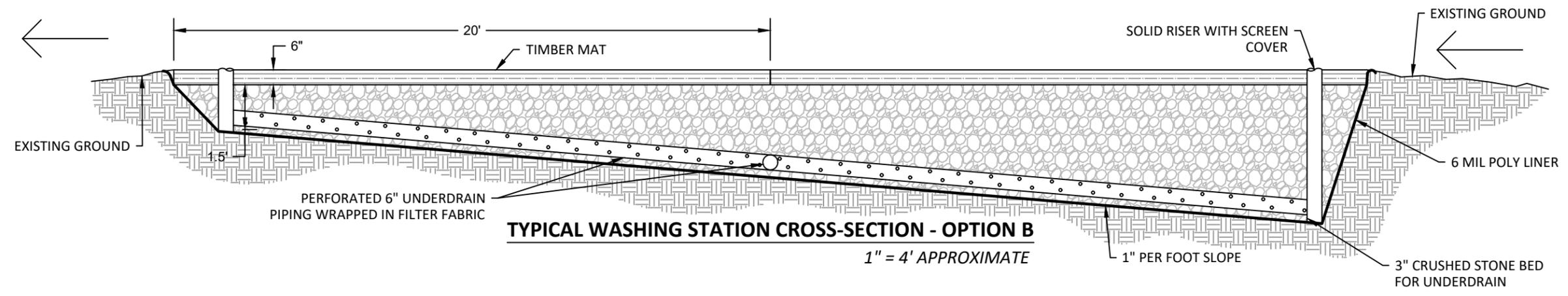
**CONSTRUCTION DETAILS**

**FIGURE 4**

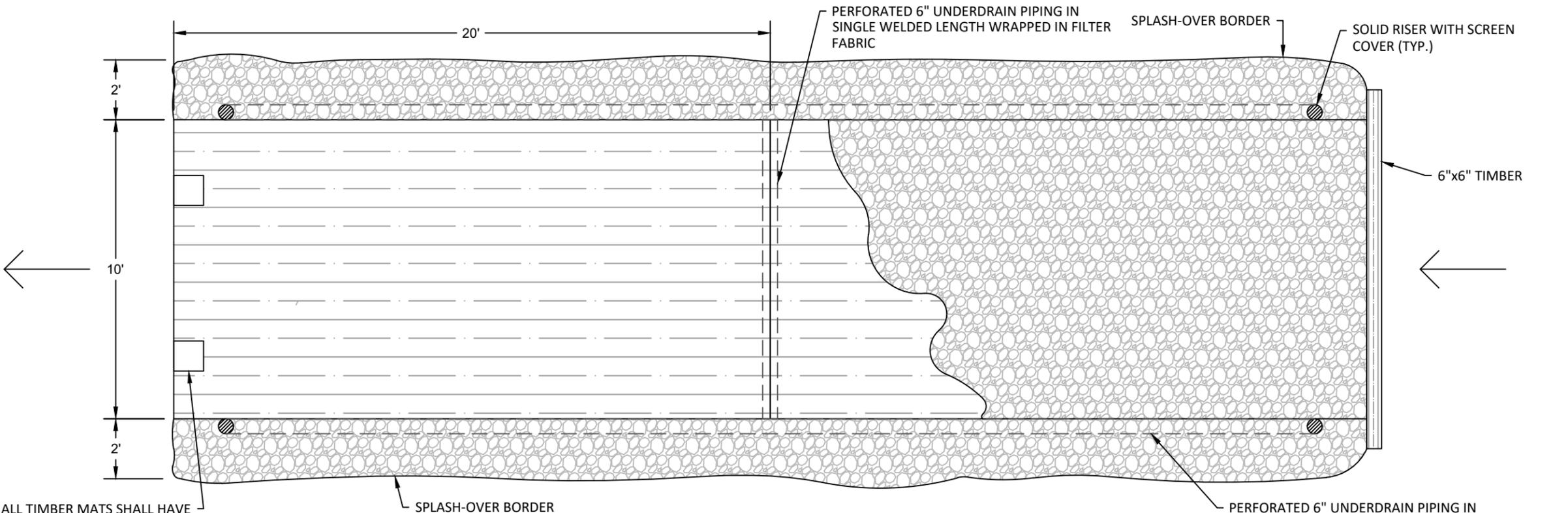
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**TYPICAL WASHING STATION CROSS-SECTION - OPTION A**  
1" = 4' APPROXIMATE



**TYPICAL WASHING STATION CROSS-SECTION - OPTION B**  
1" = 4' APPROXIMATE



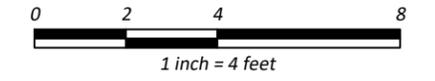
**TYPICAL WASHING STATION AERIAL VIEW SHOWING OPTIONS A & B CONTRAST**  
1" = 4' APPROXIMATE

ALL TIMBER MATS SHALL HAVE SQUARE CUTOUT ALONG SHORT EDGE WITH LIFTING CABLE



**LEGEND**

-  #3 1/2" - 2" CRUSHED STONE
-  TIMBER MAT
-  NATIVE SUBGRADE (MEDIUM TO FINE SAND AND SILT, SOME CLAY)



CLIENT: EXETER ROSE FARM, LLC	
PROJECT NO.: N21133	DATE: 03/22/22
DRAWN BY: LKH	CHECKED BY: JHP
EXETER ROSE FARM 80 OAK STREET EXT. EXETER, NH 03833	

**VEHICLE WASHING STATION**  
**FIGURE 5**

File Name: N21133 Details.dwg