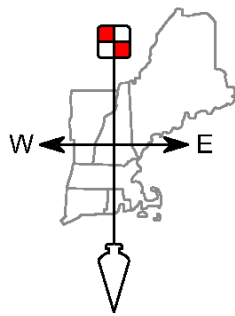


LETTER OF TRANSMITTAL



FIELDSTONE

LAND CONSULTANTS, PLLC

206 Elm Street, Milford, NH 03055 - Phone: 603-672-5456 - Fax: 603-413-5456
www.FieldstoneLandConsultants.com

Surveying ♦ Engineering
Land Planning ♦ Septic Designs

To: NH Department of Environmental Services
Waste Management Division
Solid Waste Management Bureau
29 Hazen Drive, P.O. Box 95
Concord, NH 03302-0095
Attn: Jay Hargy, P.E., C.G.

Date: April 14, 2022

Re: Greater Waster Solutions, LLC
426 Fitchburg Road, Greenville, NH
Solid Waste Management Permit – Application No. 2020-51165

WE ARE SENDING YOU ☒ Attached ☐ Under separate cover via _____ the following items:

- ☐ Shop drawings ☒ Prints ☒ Plans ☐ Samples ☐ Specifications
☐ Copy of letter ☐ Change order ☐ _____.

COPIES	DATE	NO.	DESCRIPTION
1			Response Letter to NHDES's RFMI dated January 14, 2022
1			NHDOT Email Addressing Access
1			Hydrogeological Report
1			Revised Operating Plan
1			Revised Closure Plan
1			Revised Financial Report
1			Revised Full Size Copy of Plans (Fieldstone Land Consultants Plans)

THESE ARE TRANSMITTED as checked below:

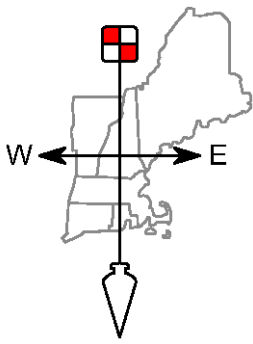
- ☒ For approval ☐ Approved as submitted ☐ Resubmit _____ copies for approval
☐ As requested ☐ Returned for corrections ☐ Return _____ corrected copies
☒ For review and comment ☐ _____.

REMARKS:

Hi Mr. Hargy, we are hereby submitting additional information to address the NHDES's January 14, 2022 request for more information letter. Please contact me with any questions.

Thank you,

Chad E. Branon, PE



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April 14, 2022

Mr. Jay Hargy, P.E., C.G.
NHDES Solid Waste Management Bureau
29 Hazen Drive, P.O. Box 95
Concord, NH 03302-0095

RE: Greater Waste Solutions, LLC – 426 Fitchburg Road, Greenville, NH
Solid Waste Management Permit
Response Letter to DES Review Comments January 14, 2022 Letter
NHDES Application No. 2020-51165

Dear Mr. Hargy,

Fieldstone Land Consultants, PLLC (FLC) is in receipt of your request for more information dated January 14, 2022 for the above reference application. FLC is writing this letter to document how we have addressed the comments to assist you in your review of the application. We have restated each of the original comments with the action taken to address the concern in bold italics below each comment.

Comments from Letter Dated January 14, 2022:

Please address the following comments to satisfy the provisions of Env-Sw 300, and to clarify aspects of the application in support of making a technical review pursuant to Env-Sw 304.07:

1. Standard Permit Application

- a) To clarify the extents of the facility boundary, pursuant to Env-Sw 314.04 and Env-Sw 103.02(f), submit documentation confirming the merger of Lots 2-17-2 and 2-37-1, and clarify if Lot 2-17-01 is part of the proposed facility.

The subject lots (2-37-1, 2-17-2 and 2-17-1) will be merged as part of this application. The owner's preference is for the lot merger to be done as a condition of approval.

- b) Clarify the proposed approved storage capacity, as defined in Env-Sw 102.11. NHDES identified that Note A on Page 3 of the design plans states that storage capacity for 2,000 tons of scrap metal is to remain from the currently permitted scrap metal and recycling facility; however, the proposed storage capacity for all waste combined is 1,264 tons (4,941 cy) in various other sections of the application.

Note A on Page 3 of the design plan set has been removed.

- c) Submit a hydrogeological report that provides a summary of site-specific topsoil, overburden, and bedrock information to satisfy the requirements of Env-Sw 314.10(b)(5). As previously acknowledged

in NHDES' letter dated November 23, 2020, the application includes a geotechnical report and a stormwater report. However, these reports do not discuss subsurface site conditions as they relate to the management of solid waste that has the potential to contaminate ground or surface water, and how the proposed facility design mitigates any concerns therewith. NHDES anticipates that the hydrogeological report can be prepared based on readily available information. Typically, hydrogeologic reports include a summary of: NRCS soil types and drainage characteristics, subsurface exploration logs, groundwater depth and flow direction, the seasonal high groundwater table, and bedrock type, depth, and hydraulic properties. Publicly available sources for information include: NRCS Web Soil Survey, NHDES and USGS geological publications, and NHDES Water Well Inventory.

See attached hydrogeological report.

2. Facility Design and Operation

- a) As required by Env-Sw 314.11(a) to assist with review of Env-Sw 1004.02(e), submit correspondence with the NH Department of Transportation (NHDOT) regarding NHDOT's decision on GWS' request for additional driveway access for the facility.

See attached email correspondence from NHDOT.

- b) Show how the proposed design, including the gate location, allows for safe queueing off the public road and right-of-way as required by Env-Sw 1004.02(c).

The location of the gate is in the best location. The gate is located at the entrance to the property. When the gate is closed the facility will be closed so no customers should be stopping or queueing. It is important for traffic to be able to see the gate so that vehicles do not commit to entering the facility. If this were to occur or if the gate location was revised to allow for people to turn in then turnarounds would need to be provided when the facility is closed. The gate is appropriately located so traffic can see whether the facility is opened or closed. If the facility is open there is plenty of queueing space provided for on-site as described in the operating plan.

- c) Clarify how facility traffic flow design will assure that traffic conflicts will not occur, as required by Env-Sw 1004.02(f), and how operations will be conducted in a manner so as to accommodate on-site traffic flow in a safe and efficient manner as required by Env-Sw 1005.03(b). It is unclear to NHDES whether it is GWS' intent to meet these requirements by limiting facility access to certain days/hours for commercial and residential users to avoid traffic conflicts between bulk transport vehicles and passenger vehicles.

The traffic on-site is handled by appropriate signage which immediately separates the traffic upon entry to the property. From this point the traffic circulation on-site is one way with no traffic conflicts due to signage, attendants and operational practices as outlined in the operating plan. Along with the well thought out on-site circulation and signage on-site the hours of operations will also assist in minimizing conflicts. In reviewing this with the owner they also said they would not haul any scrap metals from the site during residential user hours of operation.

3. Operating Plan

- a) As required by Env-Sw 314.03(a)(7) and to assist with review of Env-Sw 1105.11(a) and Env-Sw 1105.11(d)(3)d., clarify in the operating plan the facility users that will typically be required to use the scale under normal operating conditions.

Section 3.2 has been updated to clarify traffic patterns and controls.

- b) Clarify in the operating plan the collection, storage, and transfer activities associated with stumps, a bulky waste per Env-Sw 102.23.

Section 2.4 has been revised to clarify acceptance and treatment of stumps as a component of yard waste.

- c) Clarify the proposed management of residual waste and leachate in accordance with Env-Sw 1105.10 and 1105.11(d)(4).

The facility will not generate Residual Waste as defined in Env-Sw 104.27. Section 4 of the Operating Plan has been abbreviated to include a statement to this effect in accordance with Env-Sw 1105.11(d)(4).

- d) To address the requirements of Env-Sw 404.03(a)(4), Env-Sw 405.02, and Env-Sw 1004.06; denote on the facility and building layout plans included in the operating plan the storage locations for universal waste and other wastes not regulated under the solid waste rules as per Env-Sw 101.03 and Env-Sw 302.03. Pursuant to Env-Sw 1105.11(a), include in the operating plan, either as an attachment and/or in Section 3, the basic management methods of said wastes to show how the activities will meet the requirements of Env-Sw 1102.02(a).

Waste storage locations on the site are identified on Figure 1 at the end of the Operating Plan. Area 1 is for Batteries, Area 11 is for CRTs/Electronics, and Area 19 is for Used Motor Oil Collection. Each area is readily accessible to residents using the facility to drop off Authorized (regulated) Waste. Identification of the Electronics storage area within the Scrap Metal Processing Building has been added to Figure 2. Dedicated areas for each waste stream ensure that activities associated with Universal Waste may coexist with Authorized Waste acceptance without interfering with operating the permitted facility in compliance with the solid waste rules and the permit per Env-Sw 1102.02(a). Section 3.6 describes acceptance and management of various Universal Waste items.

- e) Clarify if white goods containing chlorinated fluorocarbons (CFCs) or polychlorinated biphenols (PCBs) would be accepted and update the operating plan to address storage of those wastes, if received, to satisfy the requirements of Env-Sw 405.02(f) & (g).

Section 3.6 has been updated to clarify that White Goods containing chlorinated fluorocarbons (CFCs) may be accepted. White Goods containing polychlorinated biphenols (PCBs) are prohibited. White Goods are stored in Area 15, designated on Figure 1.

- f) Clarify if tires would be processed at the facility and, if so, revise the operating plan to satisfy the requirements of Env-Sw 905.03.

Tires will be accepted and temporarily stored for transfer to authorized disposal/processing facilities. Processing of tires will not occur at the facility.

4. Financial Assurance Plan

- a) To ensure compliance with Env-Sw 1006.02(b), verify that the proposed disposal destination(s) listed in the closure cost estimate pursuant to Env-Sw 1403.02(g)(1) are facilities authorized to receive the type of waste proposed to be sent to those facilities.

The disposal destinations listed in the closure cost estimate have been verified – and updated as necessary.

- b) Ensure the dollar amount guaranteed by the financial assurance mechanism is equal to or greater than the estimated total closure cost pursuant to Env-Sw 1403.02(a).

The draft Irrevocable Letter of Credit has been updated to match (exceed) the estimated total closure

Mr. Jay Hargy – NHDES Solid Waste Management Bureau
Greater Waste Solutions, LLC – Review Response Letter

Page 4 of 4

cost pursuant to Env-Sw 1403.02(a).

- c. To satisfy the requirements of Env-Sw 1403.01(a), clarify that the Grantor of the standby trust agreement and name on the letter of credit is the permittee, and not the registered agent or designated person of the permittee. Permittee is defined in Env-Sw 104.06 and clarified in Env-Sw 104.07. NHDES understands the proposed permittee to be Greater Waste Solutions, LLC.

The Grantor of the Standby Trust Agreement and name on the Letter of Credit has been clarified as Greater Waste Solutions, LLC (the permittee).

5. Revised Plans – Submit revised design plans, operating and closure plans, and a financial assurance plan that incorporates responses to the relevant preceding comments to meet the requirements of the Rules.

This submission includes revised design plans, operating and closure plans and a revised financial assurance plan that incorporates these comments.

Fieldstone Land Consultants, PLLC trusts that this letter in conjunction with the attached items addresses the outstanding items mentioned. Should you have any additional comments, concerns or questions pertaining to the attached information please do not hesitate to contact me by phone at 603-672-5456 or by email at cebranon@fieldstonelandconsultants.com.

Sincerely,

Fieldstone Land Consultants, PLLC



Chad E. Branon, P.E.
Senior Civil Engineer

From: [Linnenbringer, Frank](#)
To: [cebranon fieldstonelandconsultants.com](#); [Belanger, Kevin - DOT](#)
Subject: RE: Greater Waste Solutions
Date: Tuesday, March 29, 2022 2:00:12 PM

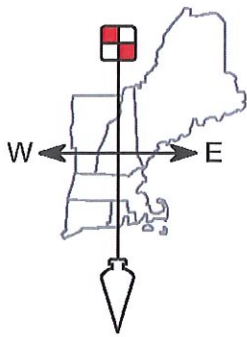
Chad,

The Controlled Access Right of Way along NH 31 in Greenville was purchased in 1955. Per the Commissioners' Return of Layout of Greenville S-52(4) S-2833 in 1956 the state purchased all rights of access, air, view, and light pertaining to the remainder of abutting lands, with the exception of one drive on the east and one drive on the west. As a result the parcel in question (previously owned by Annie C. Lee) was only granted one access and no further accesses will be allowed.

Let me know if that is sufficient.

Sincerely,

Frank Linnenbringer
Access & Utilities Supervisor
NHDOT District 4
19 Base Hill Road
Swanzey, NH 03446
(603)-352-2302



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www.FieldstoneLandConsultants.com

March 28, 2022

Julie A. Shaw
Greater Waste Solutions, LLC
124 Old Wilton Road
Greenville, NH 03048
Email: Julie@GWShawandSon.com

RE: Hydrogeological Report [Env-Sw 314.10(b)(5)]
Greater Waste Solutions, LLC – 426 Fitchburg Road, Greenville, NH
NHDES File Number: 2020-51165

Site Characterization and Drainage:

The topography of the site is composed of mainly mild slopes throughout with small hills and upland areas draining to a large wetland complex which surrounds the east side of the site. The northern portion of the site (Lot 2-37-1) has been developed as a metal recycling facility. This portion of the site is predominantly open (gravel surface) with wooded areas along its perimeter. The gravel area and large portion of the site is comprised of filled land, primarily of blasted ledge, boulders and assorted mixed mineral soils. A large portion of the southern portion of the site has also had vegetation removed and assorted grading and manipulation of soil surface.

The site is divided in to two primary drainage areas discharging to two areas, one drains to the existing 24" RCP culvert under Route 31 which discharges to the west and a portion of the site area drains in the Northwestern direction and eventually outlets to an existing wetlands complex located to the North off the subject property. The remainder of the site drains to the large wetland complex. Both drainage areas eventually converge off the subject property as both wetland areas drain into Blood's Brook. The site eventually drains into the Souhegan River northwest of the site.

Topsoil and Overburden:

Additional information regarding onsite soils can be found in the attached Site-Specific Soil Report, dated September 19, 2017. Below are the USDA soil series descriptions for the general soils found on site.

Marlow Series - The Marlow series consists of well drained soils that formed in loamy lodgment till on hills and mountains in glaciated uplands. They are moderately deep to a dense substratum and very deep to bedrock. Estimated saturated hydraulic conductivity is moderately high or high in the solum, and moderately high or moderately low in the dense substratum.

Tunbridge Series - The Tunbridge series consists of moderately deep, well drained soils on glaciated uplands. They formed in loamy supraglacial till. Saturated hydraulic conductivity is moderately high or high throughout the mineral soil.

Lyme Series -The Lyme series consists of very deep, poorly drained soils that formed in loamy melt-out till on hills and mountains in glaciated uplands. Estimated saturated hydraulic conductivity is moderately high or high in the mineral solum and moderately high to very high in the substratum

Bedrock Geology:

Bedrock depths at the site are variable, with areas of exposed ledge observed along the western portion of the site. Ledge was encountered at a depth between 4-to-6-ft in most test pits advanced around the perimeter of the site in December 2017. Well drilling operations recorded on two nearby properties indicated bedrock encountered at depths of 9-to-15 feet below ground surface (bgs). Two distinct geologic units are identified on site per the New Hampshire Bedrock Geologic Map, and confirmed by onsite observations: the Rangeley Formation (Sr) and Spaulding Tonalite (Ds1-6). The Bedrock Geologic Map of New Hampshire and a local Bedrock Geologic Map accompany this document.

The Rangeley Formation is part of the Central Maine Composite Terrane (Central Maine Trough), which is characterized by variably metamorphosed sedimentary and volcanic rocks of greenschist to granulite facies and may display some localized migmatization. The unit is lithologically described as a gray, thinly laminated metapelite containing local lentils of turbidites and thin quartz conglomerates with incidental calc-silicate pods and cotecule.

The Spaulding Tonalite is part of the Devonian New Hampshire Plutonic Suite and is a weakly foliated-to-nonfoliated biotite-quartz diorite with minor granitic constituents. Garnet and muscovite are occasionally observed. The Spaulding Tonalite is syntectonic member of the New Hampshire Plutonic Suite and exhibits variable degrees of deformation. It ranges from localized, moderately sheared rocks to undeformed rocks where no deformation is noted in outcrop or thin section. The nonfoliated, granitic portions of the pluton are similar in appearance to the post-tectonic two-mica Concord Granite.

Groundwater Depth and Flow Direction:

Drilled wells in the area are predominantly in igneous/metamorphic crystalline-rock aquifers, are generally confined with an average depth of 100-600 feet below ground surface and an average yield of 1-10 gallons per minute. Confined aquifers are bounded by impermeable material both above and below the aquifer, causing it to be under pressure so that when the aquifer is penetrated by a well, the water will rise above the top of the aquifer. Although the crystalline rocks are geologically complex with a structural fabric that generally trends northeast, movement of water through the rocks is totally dependent on the presence of secondary openings, such as joints, faults, or fractures; rock type has little or no effect on ground-water flow. Faults in southern New Hampshire generally strike northeast and dip westerly, as shown on the D-D' cross section of the Geologic Bedrock Map. These faults provide preferential flow for groundwater and percolating surface waters.

Well information from the surrounding properties was reviewed to provide additional information regarding surficial and bedrock aquifers in the region. A surficial test/exploration well (WRB# 101.0093) was drilled at NHDOT Materials and Research facility located at 656 Fitchburg Road (Tax Map 2 Lot 5) on 6/4/12 by Chuck Dusseault of NH DOT. Bedrock was encountered at 9-ft bgs. The static water level was observed at 2.9-ft bgs. This observed water level supports observed seasonal high water table elevations recorded during test pits conducted by this office in December of 2017.

File # 2020-51165 - Greater Waste Solutions, LLC - Greenville, NH

Page 3 of 3

In August of 2021, Skillings and Sons Inc installed a domestic drinking water well (WRB# 101.0098) at 713 Fitchburg Road (Tax Map 1 Lot 53). Bedrock was encountered at 15-ft bgs. Flow rates from this bedrock aquifer well were recorded at 4.75 gallons per minute (gpm).

Additional Materials:

U.S. Geological Survey (USGS) Topographical Map, 7-1/2-minute series

Tax Map

Geologic Bedrock Map of New Hampshire

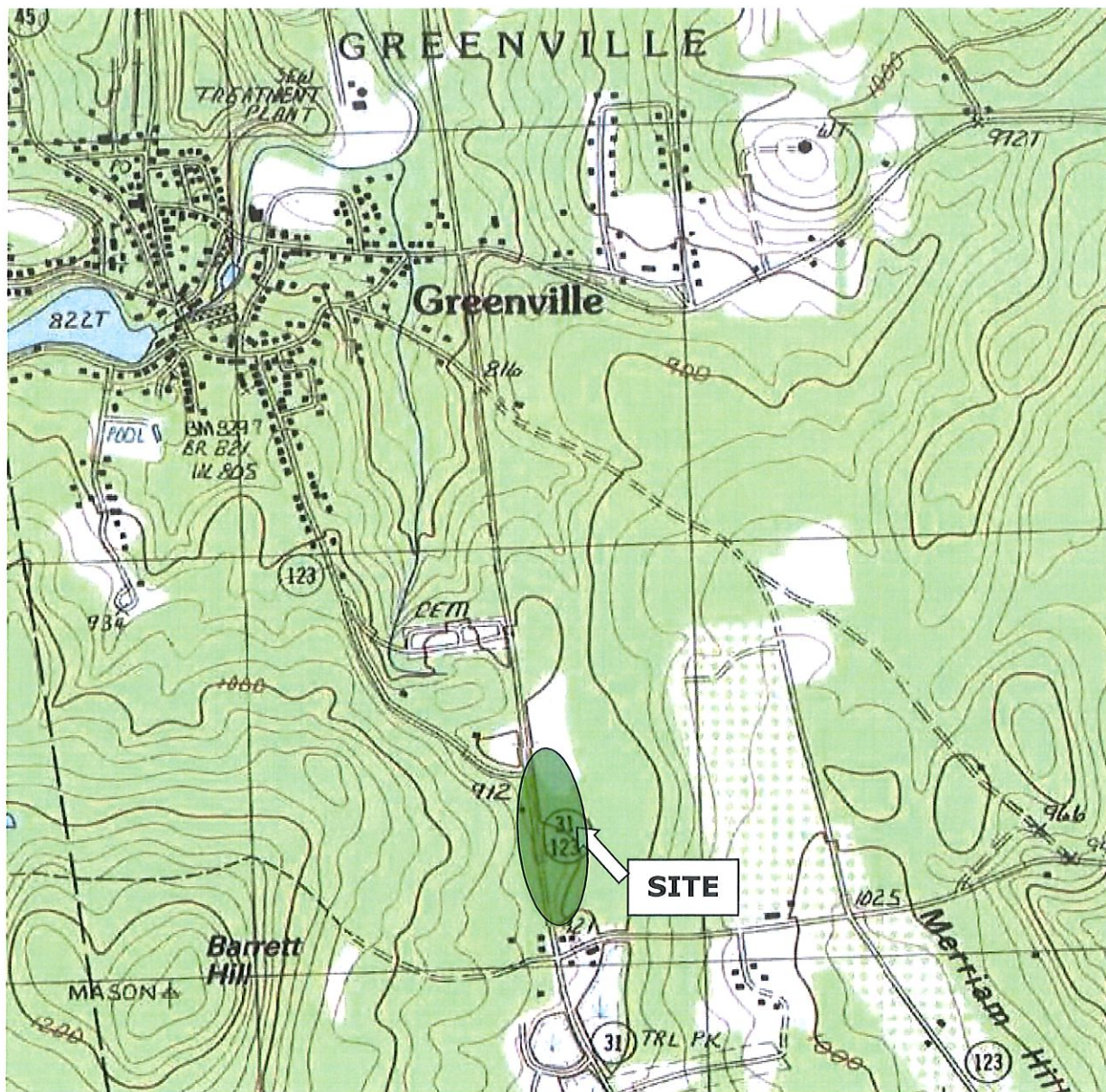
Local Geologic Bedrock Map

Site Specific Soil Map & Site Specific Soil Report

One Stop – Water Well Records



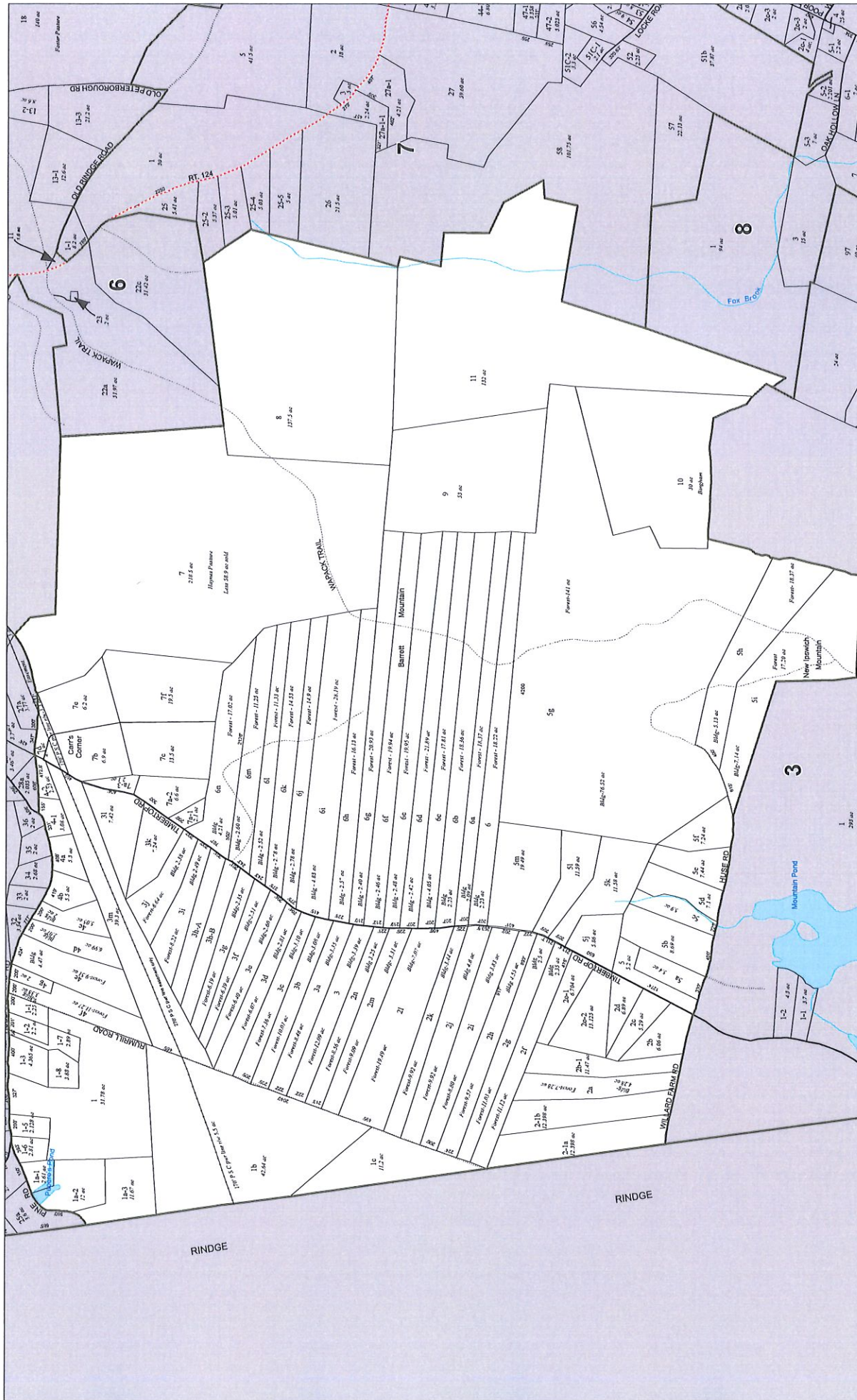
USGS LOCUS PLAN
TAX MAP 2, LOTS 17-1, 17-2, & 37-1
GREENVILLE, NH



SCALE: 1:24,000

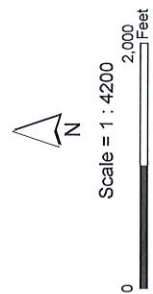
FIELDSTONE LAND CONSULTANTS, PLLC
206 ELM ST. MILFORD, NEW HAMPSHIRE 03055
PHONE (603) 672-5456 FAX (603) 413-5456

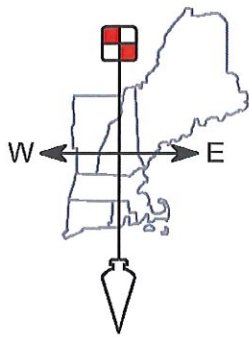
June 21, 2017
FLC-204.02



Town of New Ipswich, NH **Property Map Sheet #2**

THIS MAP IS FOR ASSESSMENT PURPOSES. IT IS NOT VALID FOR LEGAL DESCRIPTION OR CONVEYANCE.





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www.FieldstoneLandConsultants.com

September 19, 2017

Glen & Julie Shaw
124 Old Wilton Road
Greenville, NH 03048

RE: Site Specific Soil Map Report
Greater Waste Solutions, LLC
Map 2, Lot 2-37-1
Fitchburg Road, Greenville NH

Dear Mr. & Mrs. Shaw,

The following is a Site Specific Soil Report for the redevelopment of Tax Lots 2-17-1 and 2-37-1. The parcels encompass a total of approximately 9.042 acres on the east side of NH Route 31. This project will consist of consolidating the Lots 2-17-2 and 2-37-1 into one parcel (2-37-1) and redeveloping the newly created lot into a solid waste collection and processing facility as well as a recycling and transfer station with associated site improvements. The existing Scrap Metal Collection and Recycling Facility (Money for Metals) will also continue to operate on the site. Lot 2-17-1 will remain undeveloped at this time. The site is currently serviced by municipal sewer and the plans specify a 1,300± linear foot water main extension from Pleasant Street to provide municipal water and fire suppression to the site.

The topography of the site is composed of mainly mild slopes throughout with small hills and upland areas draining to a large wetland complex which surrounds the east side of the site. The northern portion of the site (Lot 2-37-1) has been developed as a metal recycling facility. This portion of the site is predominantly open (gravel surface) with wooded areas along its perimeter. The gravel area and large portion of the site is comprised of filled land, primarily of blasted ledge, boulders and assorted mixed mineral soils. A large portion of the southern portion of the site has also had vegetation removed and assorted grading and manipulation of soil surface.

The site is divided in to two primary drainage areas discharging to two areas, one drains to the existing 24" RCP culvert under Route 31 which discharges to the west and a portion of the site area drains in the Northwestern direction and eventually outlets to an existing wetlands complex located to the North off the subject property. The remainder of the site drains to the large wetland complex. Both drainage areas eventually converge off the subject property as both wetland areas drain into Blood's Brook. Overall site eventually drain into the Souhegan River northwest of the site.

The following report accompanies the Site-Specific Soil Map prepared by this office which includes a Site Specific Soil Map Key for the soils encountered on the property. The project site consists of a two general areas,

- 1) Wooded, undeveloped area along the perimeter of the property and wetland area.
- 2) Developed areas consisting of a gravel smoothed area, assorted areas of pavement and concrete for metal processing.

The project area also has undergone various forms of soil disturbance associated with development of parking areas and roadways. Due to the shallow bedrock in the area these activities have exposed additional ledge outcrops which previously may have had soil present.

Jurisdictional wetland areas were observed along the perimeter of the site and partially within the project area. The overall soils at the site have a Glacial Till Parent material with the majority of the site being located on the high point of land at or near crest of a hill with bedrock controlled well drained soils. Depth to bedrock across the project area is generally between 20-60" with shallower (less than 20") typically near the tops of ridges and knolls and isolated pockets of slightly deeper to ledge soils within lower lying areas and slope shoulders. Depth to ledge was determined through on site inspection of test pits as well as and observed site features such as shallow and exposed ledge present on the site.

This map product is within the technical standards of the National Cooperative Soil Survey. It is a special purpose product produced by a private certified soil scientist, and is not a product of the USDA Natural Resources Conservation Service. This narrative report accompanies a Site Specific Soil Map. The site-specific soil mapping on this lot was conducted by Christopher A. Guida, Certified Soil Scientist #091, of Fieldstone Land Consultants, PLLC in Milford NH. This Site Specific Soil Survey was completed utilizing the Society of Soil Scientist of Northern New England (SSSNE) Special Publication No. 3; Site Specific Soil Mapping Standards for New Hampshire and Vermont, Version 4.0, February 2011. The soil legend used for this map conforms to the New Hampshire State-Wide Numerical Soils Legend, Issue #10, January 2011 established and maintained by the Natural Resources Conservation Service (NRCS).

Field work for this survey included the examination of soil profiles through the use of hand tools including a soil auger and tile spade as well as test pits conducted throughout the site. Soil borings and test pits were conducted at intervals sufficient to delineate the boundaries between soil map units. Existing survey control network previously established and site structures and boundary points were used as control points for this soil survey. Test pits and apparent ledge outcrops were also survey located utilizing GPS instrumentation. The base plan used for the soil survey has 2 ft topographic contour intervals and was generated at a scale of 1"=50'.

SITE SPECIFIC SOIL MAP UNIT KEY

Symbol / Map Unit	Drainage Class
247- Lyme, Very Stony Loam	Poorly Drained
77 – Marlow Stony Loam	Well Drained
719 – Marlow-Tunbridge Association, very stony sandy loam	Well Drained

Slope Classes

- B SLOPE = 0-8%
- C SLOPE = 8-15%
- D SLOPE = 15-25%
- E SLOPE = >25%

Marlow Series* The Marlow series consists of well drained soils that formed in loamy lodgment till on hills and mountains in glaciated uplands. They are moderately deep to a dense substratum and very deep to bedrock. Estimated saturated hydraulic conductivity is moderately high or high in the solum, and moderately high or moderately low in the dense substratum.

Tunbridge Series* - The Tunbridge series consists of moderately deep, well drained soils on glaciated uplands. They formed in loamy supraglacial till. Saturated hydraulic conductivity is moderately high or high throughout the mineral soil.

Lyme Series* -The Lyme series consists of very deep, poorly drained soils that formed in loamy melt-out till on hills and mountains in glaciated uplands. Estimated saturated hydraulic conductivity is moderately high or high in the mineral solum and moderately high to very high in the substratum

(*OSD-Web Soil Survey)

DISTURBED MAP UNITS

See below excerpt from Society of Soil Scientist of Northern New England (SSSNNE) Special Publication No. 3; Site Specific Soil Mapping Standards for New Hampshire and Vermont, Version 4.0, February 2011, Disturbed Soil Mapping Unit Supplement for New Hampshire for soil map symbol denominators.

Map Symbol Denominators for Disturbed Unit Supplements

The map symbols for Site-Specific Soil Mapping of disturbed soils in New Hampshire is a two part symbol with parts separated by a forward slash (/).

The first part consists of the USDA-NRCS Disturbed Map Unit symbol from the NH State-Wide Numerical Soil Legend. The map symbol is composed of 1 to 3 digits followed by a capital letter designating slope.

The second part consists of symbols of the SSSNNE NH Disturbed Soil Supplement to the Site Specific Soil Survey Standards, as detailed below. The disturbed map symbol is composed of 5 lower case letters.

Thus a Site Specific map symbol for a map prepared for an AoT application would be formatted as follows:

400A/aaaaa

These SSSNNE NH Disturbed Soil Supplemental symbols can only be used in conjunction with the USDA-NRCS Disturbed Map Unit symbols for the NH Statewide Numerical Soil Legend.

Supplemental Symbols

The five components of the Disturbed Soil Mapping Unit Supplement are as follows:

Symbol 1: Drainage Class

a-Excessively Drained b-Somewhat Excessively Drained c-Well Drained d-Moderately Well Drained e-Somewhat Poorly Drained f-Poorly Drained g-Very Poorly Drained h-Not Determined

Symbol 2: Parent Material (of naturally formed soil only, if present)

a-No natural soil within 60" b-Glaciofluvial Deposits (outwash/terraces of sand or sand and gravel) c-Glacial Till Material (active ice) d-Glaciolacustrine very fine sand and silt deposits (glacial lakes) e-Loamy/sandy over Silt/Clay deposits f-Marine Silt and Clay deposits (ocean waters) g-Alluvial Deposits (floodplains) h-Organic Materials-Fresh water Bogs, etc i- Organic Materials-Tidal Marsh

Symbol 3: Restrictive/Impervious Layers

a-None b-Bouldery surface with more than 15% of the surface covered with boulders c-Mineral restrictive layer(s) are present in the soil profile less than 40 inches below the soil surface such as hard pan, platy structure or clayey texture with consistence of at least firm (i.e. more than 20 newtons). For other examples of soil characteristics that qualify for restrictive layers, see "Soil Manual for Site evaluations in NH" 2nd Ed., (page 3-17, figure 3-14) d-Bedrock in the soil profile; 0-20 inches e-Bedrock in the soil profile; 20-60 inches f-Areas where depth to bedrock is so variable that a single soil type cannot be applied, will be mapped as a complex of soil types g-Subject to Flooding h-Man-made impervious surface including pavement, concrete, or built-up surfaces (i.e. buildings) with no morphological restrictive layer within control section

Symbol 4: Estimated Ksat* (most limiting layer excluding symbol 3h above).

a- High. b-Moderate c-Low d-Not determined *See "Guidelines for Ksat Class Placement" in Chapter 3 of the Soil Survey Manual, USDA

Symbol 5: Hydrologic Soil Group*

a-Group A b-Group B c-Group C d-Group D e-Not determined

*excluding man-made surface impervious/restrictive layers

Disturbed Soils

550/ – Udorthents, Bedrock Substratum – Typically Glacial Till soils of loamy texture that have been excavated and re-graded and with bedrock within 10-60 inches of surface (cuts/fills associated with road construction or large filled areas or piles). The actual depth of disturbed soils and depth to ledge is highly variable due to active soil processing activities. Various activities including smoothed areas are also minor inclusions which are combined in the overall mapped unit due to the dynamic nature of the site.

299/ – Udorthents, Smoothed – Typically Glacial Till soils of loamy texture that have been smoothed to create flat areas such as roadways and parking lots. Various activities including smoothed areas are also minor inclusions which are combined in the overall mapped unit due to the altered nature of the site.

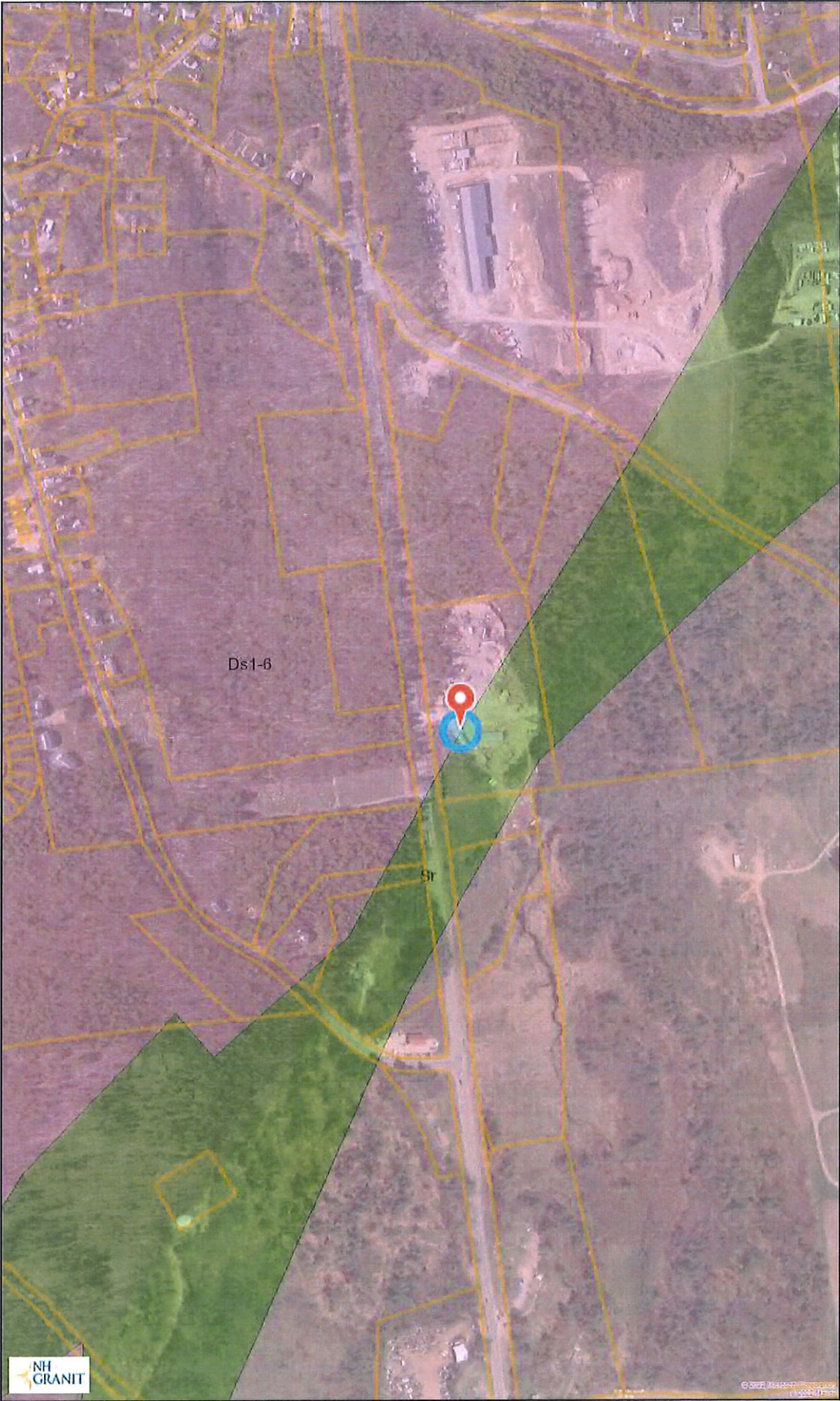
This soil report and the accompanying soil map were prepared by Christopher A. Guida, New Hampshire Certified Soil Scientist #91.

FIELDSTONE LAND CONSULTANTS, PLLC



Christopher A. Guida, C.S.S., C.W.S.
Certified Soil Scientist #91

Bedrock Geologic Map



Legend

Parcels

Parcel Polygons

Attributes for Additional Lines

State

County

City/Town

Formations

-Ch

-Cjb

D1b

D1m

D2b

D3Ab

D3Bb

D6

DS9

DSlr

Db2b

Dc1m

Dc3Am

De9

Dg

Dgc

Dgm

Dgv

Di

Dib

Die

Dif

Dih

Dir

Dk2x

DI

Dlc

Dlcs

DII

Dlu

Dlv

Dlvb

Dlvs

Ds1-6

Ds6-9B

Dw3A

J1-4I

J10

J1a

Map Scale

1: 6,494

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Map Generated: 3/23/2022

Notes

This geodatabase was digitized from the 1:250,000-scale Bedrock Geologic Map of New Hampshire (Lyons and others, 1997).





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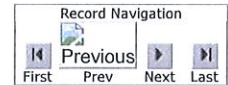
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Monday, Mar. 28, 2022

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If you have any questions about or corrections to the information below, please contact us. Click the Program Contact button above for contact information.

Well Id (WRB#): 101.0093

Date Completed: 06/04/2012

Name and Location: NHDOT MATERIALS & RESEARCH
656 FITCHBURG RD (NH ROUTE 31)
GREENVILLE

Total Depth: 8.8 FT

Depth to Bedrock: 9 FT

Tax Map No: 2

Casing:

Lot No: 5

Tested Yield:

Type: OTHER,GROUNDWATER

Static Water Level: 2.9 FT

Use: TEST / EXPLORATION; AGRICULTURAL /
IRRIGATION

Measured Yield After Development:

Well Driller

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Driller License No: 300

Driller Well Id: MW-1(OW)

Name and Address: NH-DOT
5 HAZEN DRIVE
CONCORD NH 03302

Current License Status: INACTIVE

Email: CHUCK.DUSSEAU@DOT.NH.GOV

Phone Number: 603-271-3151

New Hampshire Department of Environmental Services | PO Box 95 | 29 Hazen Drive | Concord, NH 03302-0095
603.271.3503 | TDD Access: Relay NH 1.800.735.2964 | Hours: M-F, 8am-4pm

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Well Id (WRB#): 101.0098

Date Completed: 08/04/2021

Name and Location: DONALD COMBS
713 FITCHBURG ROAD
GREENVILLE

Total Depth: 605 FT

Depth to Bedrock: 15 FT

Tax Map No: 1

Casing: 42 FT

Lot No: 53

Tested Yield: 4.75 GAL/MIN

Type: BEDROCK (DRILLED)

Static Water Level: 0 FT

Use: DOMESTIC DRINKING WATER

Measured Yield After Development:

Well Driller

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Driller License No: 1543

Driller Well Id: 20-393

Name and Address: SKILLINGS & SONS INC
9 COLUMBIA DR
AMHERST NH 03031

Current License Status: ACTIVE

Email: NSKILLINGS@SKILLINGSANDSONS.COM

Phone Number: 603-889-5009

New Hampshire Department of Environmental Services | PO Box 95 | 29 Hazen Drive | Concord, NH 03302-0095
603.271.3503 | TDD Access: Relay NH 1.800.735.2964 | Hours: M-F, 8am-4pm

[NH.gov](#) | [privacy policy](#) | [accessibility policy](#)

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Operating Plan



Solid Waste Collection, Recycling/Recovery, Storage and Transfer Station

Greater Waste Solutions, LLC

426 Fitchburg Road - Operations
124 Old Wilton Road - Mailing
Greenville, New Hampshire 03048
YARD – 603-878-1170 OFFICE: 603.878.4108

July 19, 2021

Revised: April 14, 2022

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GREATER WASTE SOLUTIONS, LLC

FACILITY OPERATING PLAN

1. FACILITY IDENTIFICATION

Facility Name: Greater Waste Solutions, LLC
426 Fitchburg Road
Greenville, NH 03048

Mailing Address: 124 Old Wilton Road
Greenville, NH 03048

Permit Number: DES-SW-XX-XXX

Facility Type: Collection, Storage and Transfer Facility

Facility Capacity: The facility's permitted design capacity is 600 tons per day (3,600 tons per week) of solid waste on average, annually. This tonnage is estimated as approximately 448 tons of non-recyclable waste and 152 tons of recyclables per day. The facility is capable of storing up to 1,264 tons of material.

Service Type: Unlimited Service

Service Area: New Hampshire and Massachusetts

Permittee: Greater Waste Solutions, LLC
426 Fitchburg Road
Greenville, NH 03048
Tel. (603) 878-4108

Owner: GMB Leasing, LLC
124 Old Wilton Road
Greenville, NH 03048
Tel. (603) 878-4108

Operator: Same as Permittee

2. AUTHORIZED AND PROHIBITED WASTE

2.1 Pursuant to Permit No. DES-SW-XX-XXX, Greater Waste Solutions, LLC (GWS) is authorized to accept:

- Batteries, Alkaline manufactured 1996 – Present
- Bulky Items/Furniture
- Cardboard, Corrugated
- Cardboard, Grey
- Construction and Demolition Debris (C&D)
- Electronics
- Glass
- Large Appliances
- Metal, Ferrous and Non-Ferrous
- Municipal/Mixed Solid Waste (MSW)
- Paper, Mixed
- Paper, News
- Plastic, numbered 1 – 7
- Tires

2.2 Pursuant to Permit No. DES-SW-XX-XXX, Prohibited Wastes include, but are not limited to:

- Asbestos or asbestos containing waste
- Ash
- Automobiles/boats/motorcycles
- Carcasses
- Contained gaseous waste (except when tanks have been cut up and certified as properly vented)
- Contaminated soils
- Explosives such as dynamite and ammunition, and potentially explosive materials of any type, such as sealed tanks
- Hazardous waste (per Env-Hw 400)
- Household Hazardous Wastes
- Infectious waste
- Liquid waste
- Military scrap of any kind (unless ownership established and approved in advance by GWS facility operator)
- Metal Kegs for Malt Beverages, or pieces of such kegs (unless supplier's name appears on the keg)
- Oils, (excluding used motor oil from residential sources), gasoline, other petroleum products and antifreeze
- Radioactive waste

- Railroad associated scrap metal (unless ownership established and approved in advance by GWS facility operator)
- Refrigerants leaking fluids
- Scrap metal from any minor under the age of 16 years, without the written consent of his/her parents or guardian.
- Sludge and Septic Waste
- Tanks, drums or other containers unless emptied and properly cleaned of residues prior to receipt
- Any material, which in the opinion of the GWS Operator constitutes a serious hazard for employees, users, or operation of the GWS facility, or any other wastes the facility has not been designed to handle

2.3 Pursuant to Permit No. DES-SW-XX-XXX, Universal Wastes may be accepted in conformance with Universal Waste Rules in Env-Hw 1100, including:

- Batteries, Button cell, Re-chargeable, Alkaline manufactured prior to 1996, Lead-Acid (intact only)
- Cathode Ray Tubes (CRTs)
- Electronics
- Lamps
- Mercury Containing Devices
- Used Motor Oil (accepted from residential sources only), for use in on-site waste oil furnace

2.4 The following items may be accepted but are excluded/exempt from permitting:

- Brush and Tree Limbs under nine (9) feet in length and five (5) inches in diameter
- Yard Waste such as leaves, grass clippings, garden debris, and small/chipped branches, stumps*, etc. *Stumps are accepted only as incidental components of Yard Waste delivered by residents. Full loads of stumps from residents or commercial haulers are not accepted. Yard Waste, including incidental stumps, will be temporarily stored on site and then transferred to an authorized disposal facility.

3. ROUTINE OPERATIONS PLAN

This document is intended to guide the operation and management of the GWS Collection, Storage and Transfer Facility. GWS collects and sorts non-hazardous solid waste for recycling and disposal, consolidating materials into larger loads for hauling to an incinerator, landfill, or recycling markets.

3.1 Hours of Operation

The facility is permitted to operate 12 hours a day, 6 days a week.

Monday – Saturday	6:00 AM to 6:00 PM
Sunday	Closed

3.2 Facility Access Control and On-site Traffic Patterns

Access to the facility is via a single driveway entrance on Fitchburg Road (NH Route Rte. 31) which is secured by a locked gate when the facility operator is not present. The local fire department has a copy of the gate key for emergency access. When the gate is open, all traffic must stop at the vehicle scale house/office for instruction. The public has access only to the front of the facility: the office and the General Public Drop Off Area. Access to the facility by other means is restricted by a six-foot chain link fence along the western boundary (Fitchburg Road) and natural site features and topography on all other boundaries.

The site is designed with one directional traffic flow in each area to eliminate conflicts. Residential traffic/activities are separate from commercial traffic/activities. Residential traffic is routed north and counterclockwise, through the General Public Drop Off Area, which is isolated by jersey barriers, and back to the main driveway at Fitchburg Road. Residential traffic does not use the scale under normal conditions but proceeds directly to the General Public Drop Off Area. In the event that a resident arrives with a load that must be weighed, they will be directed from the General Public Drop Off Area to the scale by facility personnel. Upon entry, commercial traffic proceeds past the scale, south and clockwise around the Solid Waste Processing Building and back to the scale. Trucks go over the scale, continue either south/clockwise or north/counterclockwise to unload in the appropriate location(s), and return to the scale prior to exiting. Traffic barriers, signage, and facility personnel are used to maintain traffic control, separation, and safety. Weather resistant signs are posted throughout the facility indicating traffic flow, speed, and access restrictions. Site traffic patterns and signage are shown on Figure 1 – Operations Plan.

In accordance with Env-Sw 1105.05, a weather resistant sign posted near the facility entrance identifies the name, permit number, name and address of permittee, days and hours of operations, types of acceptable wastes, and a statement that unlawful dumping shall be subject to fine and prosecution. In addition to the facility sign, a copy of the approved permit showing the permit number and authorization signature is displayed at the facility. Current operator certifications are also displayed.

3.3 Waste Acceptance and Rejection Procedures

The facility has four (4) waste receiving and handling areas: the Solid Waste Processing Building, the General Public Drop Off Area, Scrap Metal Recycling Area (exterior stockpile sorting); and the Scrap Metal Processing Building. Waste areas are identified on Figure 1 – Operations Plan. The following inspection protocol has been established to detect and remove unauthorized material from the waste stream entering the facility:

For commercial and/or private haulers, waste inspection begins at the scale and includes an interview regarding waste source and type(s). Random visual inspection is performed by walking around the vehicle, examining its contents to assure compliance with rules regarding hazardous waste, hot loads, liquid wastes or other prohibited materials. The Random Load Inspection Form is included in Appendix C. Any vehicle suspected of hauling prohibited material is stopped and

inspected. Any vehicle found to be carrying a prohibited material is not permitted to dump at the facility. The transporter is instructed to dispose of the prohibited material at an appropriate facility authorized to receive it. Authorized waste material is inventoried by commodity/type/grade, etc. Following weigh-in, the hauler is directed to the appropriate waste unloading and handling area. After unloading, the hauler is redirected to the scale for weigh-out and exit.

Residential materials are unloaded in the General Public Drop Off Area, debagged if necessary, and randomly inspected for contaminants/prohibited substances, and sorted prior to dumping into the appropriate container. Non-recyclable material is placed into the associated stationary compactor hopper.

Continuous visual monitoring of the discharged waste is conducted by facility personnel. Any prohibited waste discovered is rejected. If prohibited waste is discovered after the responsible party has left the facility, it is segregated and stored in a secure manner: either in the hazardous material area/container, or placed on an impervious or covered surface until appropriate disposal is possible. The discovery of any such wastes at the facility is immediately brought to the attention of the facility operator. Whenever possible, the name of the collector/hauler suspected of delivering prohibited material to the facility is secured in addition to information relating to the incident. The responsible party is contacted for retrieval of the material; or, if this is not possible, the facility operator properly manages the waste. Disposition of the material is dependent upon the specific type of waste discovered and applicable rules and regulations. The list of Third Party Waste Destination Providers is included in Appendix D.

Hot loads (smoking or on fire) are directed to the Hot Load Area and unloaded away from other waste and extinguished. Absorbent materials/booms are stored in the Solid Waste Processing Building, the General Public Drop Off Area, and the Hot Load Area, and are used to absorb and contain any associated runoff, which is collected and stored in sealed container(s).

Solid Waste Processing Building

The Solid Waste Processing Building consists of a tipping floor and a variety of containers, bunkers, and tables for receipt and sorting of both non-recyclables and recyclables, including commercial and residential construction and demolition debris (C & D). Facility personnel direct traffic to the appropriate unloading area, inspect the incoming materials, and remove any obvious prohibited or recoverable materials. Simultaneous unloading of three (3) commercial vehicles is possible. Loads containing all trash along with any trash residue remaining after processing are loaded into open-top transfer trailers and hauled to the disposal site (incinerator). Recovered materials are sorted and moved to the appropriate storage container or bunker. The unloading/tipping area is designed with surge capacity to hold approximately one half (½) peak day of waste.

General Public Drop Off Area

The General Public Drop Off Area (for residential waste) consists of a series of covered 30-yard roll-off recycling containers, stationary compactors (breakaways) and bunkers for the receipt of

both non-recyclables and recyclables. Facility personnel direct traffic to the appropriate unloading area(s) and monitor unloading activities. Recyclables are de-bagged and sorted by residents and placed in the appropriate container for storage until shipped to markets or end users. Non-recyclable material is placed in the appropriate stationary compactor by residents. Both recyclables and non-recyclables are subject to random inspection, rejection and/or removal of obvious prohibited materials. Residents hauling trailers and/or C&D are directed to the scale and/or the Solid Waste Processing Building. Facility personnel may direct residents with smaller quantities of C&D and bulky items to the C&D receptacle located in the General Public Drop Off Area.

A Do-It-Yourself (DIY) Used Oil Collection Area is located within the General Public Drop Off Area. DIY Used Oil is accepted only from residents who change oil in their personal vehicles - IF storage capacity exists. DIY Used oil must be in tightly capped, clear or translucent containers (preferably rigid plastic), that allows visual inspection by facility personnel for verification that it is free of contaminants. Only facility personnel are permitted to place the inspected containers on the receiving table for later reuse in the on-site waste oil furnace.

Scrap Metal Recycling Area and Scrap Metal Processing Building

The Scrap Metal Recycling & Processing areas consist of exterior ferrous and non-ferrous stockpiles located on impervious surfaces and a series of shipping gaylords and containers located within the Scrap Metal Processing Building for the receipt of additional non-ferrous recyclable scrap metals. Facility personnel direct traffic to the appropriate unloading area, inspect the incoming materials, and remove any obvious prohibited or recoverable materials. Scrap metal is sorted and stored in the appropriate container or stockpile until shipped to markets or end users. Scrap Acceptance/Grading Guidelines are included in Appendix B.

3.4 Waste Quantity and Source Monitoring Procedures

All incoming commercial collection vehicles as well as residential vehicles hauling MSW, scrap metal, C & D, or trailers are weighed at the certified vehicle scale before unloading and issued a tracking ticket. The tracking ticket includes the type and source of materials, vehicle plate number and state, and the gross vehicle weight. After unloading, vehicles return to the scale for re-weighing (tare weight). The scale operator updates the tracking ticket with the type of material and weight tipped. The scale tracking ticket is signed by both the weigh master and supplier; and a copy is provided to the supplier.

For incoming Scrap Metal, the scale operator also verifies the supplier's identity, records their photo identification number and issuing authority, mailing address, phone number, and obtains their signature. Facility personnel direct suppliers with smaller scrap metal quantities to the certified floor scale located in the rear of the Scrap Metal Processing Building for material weighing and recording.

Residential vehicles utilizing only the General Public Drop Off Area are not weighed. Residents deposit materials into various containers which are visually monitored, and weighed and removed once full.

Outgoing commercial transfer vehicles are weighed at the certified vehicle scale prior to leaving the facility. The scale operator records the type and destination of the materials and the gross vehicle weight. Outgoing roll-off containers are weighed prior to departure and at the destination facility on certified scales and the associated data is recorded in Greater Waste Solutions, LLC database management software and record systems.

The database management system is used on a daily basis to record the source of in-bound and out-bound material, including vehicle and load information. The database accurately tracks quantities of each material received, stored, and transported. Estimated quantities of materials sorted, or loaded and awaiting transport, are also monitored. To ensure compliance with public benefit requirements pursuant to Env-Sw 405.04, the database is used to track the total quantity of waste transferred on an annual basis to New Hampshire landfills and to New Hampshire incinerators such that it does not exceed the total quantity of waste received from New Hampshire generators. Recyclable materials are monitored to ensure they are diverted to authorized facilities for reuse such that landfill disposal is avoided.

3.5 Storage Time and Capacity Limits

The database management system is used daily to assess received, currently stored, and transported materials, and to ensure compliance with public benefit requirements pursuant to Env-Sw 405.04. At no time is a waste stored for a period of time which results in a condition adversely affecting the environment, public health or safety, including conditions that attract insects and vectors, generate odors, decomposition gasses, or leachate, or have the potential to cause fire or explosion. Materials received at the facility are primarily stored inside the Solid Waste Processing Building and outside in covered bulk containers, bunkers, and stockpiles. Recyclables are stored in a manner that preserves market value.

MSW and C & D are unloaded, inspected, sorted, and reloaded into transport trailers immediately. Occasionally materials are stored overnight within the Solid Waste Processing Building on the tipping floor prior to or after sorting. Transport trailers containing sorted MSW and C & D normally remain at the facility not longer than one day, and occasionally up to four days due to weekends and/or holidays. Commercial roll-offs and transport containers for recyclables typically remain at the facility from one to four days for consolidation prior to transport. Depending on quantities and available markets, the storage time for processed recyclables and certain scrap metals varies from 30-60 days up to 12 months.

The maximum total quantity of waste permitted to be stored at the facility is 1,264 tons, estimated as follows:

TABLE I - MAXIMUM PERMITTED STORAGE LIMITS		
WASTE TYPE	WEIGHT (TONS)	EST. VOLUME (CY)
C&D Waste	351	1,424
MSW	359	1,340
Scrap Metal	501	1,671
SSR & Recyclables	53	506

A schedule of waste areas and associated capacities is included on Figure 1 – Operations Plan.

3.6 Material Collection, Storage, Transfer, and Processing Methods and Procedures

Commercial waste delivery vehicles and residential vehicles hauling C&D or trailers proceed to the scale for weighing, initial screening of waste loads, and the collection of fees, where applicable. Vehicles then proceed to the Solid Waste Processing Building and are directed to the tipping floor for unloading. Waste is unloaded (tipped) on the tipping floor to allow for materials recovery (“floor sorting”) and waste inspection. Non-recyclable material is pushed into an open-top transfer trailer by a rubber tired front-end loader/bobcat. Recyclable material is pushed or loaded into its associated storage container/bunker for delivery via roll-off truck to its destination facility.

Residential vehicles proceed to the General Public Drop Off Area for unloading. Non-recyclable material is unloaded into the associated compactor hopper and is subsequently transferred and merged with MSW in the Solid Waste Processing Building. Pre-sorted recyclable materials are unloaded into the appropriate designated containers through the cover access doors. Bulky Items are temporarily unloaded into the White Goods/Bulky Items Bunker and subsequently transferred to the Solid Waste Processing Building by facility personnel.

Recyclable materials and metal commodities are stored so as to preserve market value. Outside material storage occurs on compacted soil, or on an impervious surface in bulk stockpiles or bulk storage bins as indicated on the Operations Plan (Figure 1). Some metals are stored in containers and gaylords in the Scrap Metal Processing Building. The Soft Metals Warehouse Layout and Materials Flow is shown on Figure 2 – Interior Floor Plans & Building Sections.

Transfer of materials to off-site destination facilities occurs in bulk or packaged form by truck. Filling of transfer trailers is monitored by facility personnel. Once full, trailers are covered and moved to the trailer parking area indicated on the Operations Plan (Figure 1) in preparation for hauling to the disposal facility. All vehicles transporting waste from Greater Waste Solutions, LLC must have a valid solid waste transporter permit. Recyclable and waste materials transported off-site shall be taken to a facility permitted to accept the specific type of waste material. Refer to Appendix D – Third Party Waste Destination Providers.

Commingled materials are delivered to the facility from both roll-off containers and curbside collection programs and are sometimes placed in plastic bags by residents. Upon arrival at the facility, these materials are unloaded onto the tipping floor; the bags are opened, emptied, and inspected manually by facility personnel.

Electronics are collected in the Scrap Metal Processing Building, delivered to the General Public Drop Off Area, or recovered from the tipping floor. Suppliers with electronics are directed to the inspection and collection area in the Scrap Metal Processing building where the item(s) are placed on a receiving table for inspection and subsequent transfer by facility personnel to storage. Electronics are stored on a skidded Gaylord corrugated box located in rear of the Scrap Metal Processing Building. (Figure 2) Residents with electronics, including CRTs, are directed to the Electronics (CRT) Inspection and Storage Area in the General Public Drop Off Area. The

items are inspected by facility personnel and transferred to the Scrap Metal Processing Building for storage until shipped within four months to an authorized recycling facility.

Mixed Paper Grades are sometimes received. Drop-off site roll-off containers have a compartment for mixed paper only, and some commercial loads may contain both cardboard and mixed paper. These materials are tipped in the Solid Waste Processing Building, floor-sorted, and placed in the appropriate storage bunker. The Solid Waste Processing Building Floor Plan is included on Figure 2 - Interior Floor Plans & Building Sections.

Pre-Sorted Materials include:

- Pre-sorted recyclable materials, primarily from the public, delivered to the General Public Drop Off Area
- Materials delivered to the facility by commercial haulers with multiple compartment collection vehicles
- Commercially sourced pre-sorted materials such as corrugated cardboard, mixed paper, and sorted glass are dumped onto the tipping floor of the Solid Waste Processing Building, inspected for contaminants, and pushed directly into the appropriate material storage bunker

Scrap Metal acceptance is determined by the procedures outlined in Sections 3.3 and 3.4, and in accordance with guidelines included in Appendix B. Non-commercial vehicles with small quantities of materials are directed to the parking area at the rear of the Scrap Metal Processing Building for unloading and inspection. Materials are weighed and placed into the appropriate labeled container or processing area by facility personnel. Scrap metal material may require manual or mechanical processing prior to being transferred to its final off-site destination.

Tires are collected and stored in an enclosed container in the General Public Drop Off Area (Figure 1) and transferred in accordance with Env-Sw 905.02.

Used Motor Oil (DIY) for use in the on-site waste oil furnace, is collected from residents ONLY and is stored in a 55-gallon double-walled sealed container located in the Waste Oil Collection area (Figure 1). Residents with used waste oil are directed to the Waste Oil Collection Area for inspection and receipt by facility personnel. Later, utilizing a funnel to reduce the opportunity of spills, the oil is added to the double-walled storage container by a facility operator.

White Goods are accepted by the facility, for a fee. Appliances are inspected by facility personnel upon delivery and then unloaded in the appropriate area. White goods potentially containing polychlorinated biphenols (PCBs) are not accepted. Refrigerant (including CFCs and HCFCs) containing appliances and compressors are kept in a designated area (Figure 1) for no longer than 6 months. The designated area is accessible by a licensed refrigerant recovery and reclamation contractor to allow recovery and removal of any CFCs for recycling and or disposal. Refer to Appendix D – Third Party Waste Destination Providers.

4. RESIDUAL WASTE MANAGEMENT PLAN

Greater Waste Solutions, LLC is not a Processing/Treatment facility, and, as such does not generate residual waste as defined in Env-Sw 104.27.

5. FACILITY MAINTENANCE, INSPECTION AND MONITORING PLAN

Routine maintenance, inspection and monitoring procedures are necessary to assure the integrity of facility operations and to address nuisance, safety, and environmental issues.

5.1 Spontaneous Combustion

Spontaneous combustion is not likely to occur in the waste materials, metal products, or potential residuals generated at the site. Fire potential for stockpiled materials is low due to the acceptance/rejection procedures, segregation by type of materials, and limited storage times. Stockpiled and warehoused materials are examined daily for visual signs of fire, (hot spots, smoke, flames, etc.).

5.2 Other Fire Hazards

Fire hazards exist in areas where there is a presence of paper, fuel, heat, or human activity. Gasoline required for facility equipment is stored in a tank outside the Scrap Metal Processing Building, away from waste materials. Lithium-ion and other rechargeable batteries are collected in a designated closed container, distinct from other materials, and equipped with CellBlockEX granulate in the event of fire. The potential for electrical fires is minimized by keeping covers on electrical equipment when not in active use. Smoking is prohibited at the facility. Employees are trained to operate fire extinguishers which are located throughout the facility and regularly inspected.

5.3 Vector Production

In order to reduce the likelihood of attracting vectors, litter and other debris are picked up daily and good general housekeeping practices are followed. Periodic inspections are performed to ensure that all openings, which may allow rodents and insects to enter the Solid Waste Processing Building or the Scrap Metal Processing Building, such as door and window frames, vents, and masonry cracks, are properly sealed or screened. Additionally, any chewed insulation observed at points where utilities enter buildings is repaired promptly. During routine visual inspection, any observed insect breeding areas are treated and eliminated. A professional pest control service is retained as necessary to eliminate any problems should they occur.

5.4 Generation of Methane, Hazardous and/or Explosive Gases

There is minimal risk of methane and/or explosive gas production at the facility. There is no long-term storage of explosive gas producing waste and, subsequently, a minimal decomposition period. As containers/bunkers/trailers are filled, they are transported offsite to their associated destination facility. Greater Waste Solutions, LLC provides no composting facilities. Proper

storage of batteries (in accordance with NHDES BMPs) prevents breakage and resultant potential for hazardous and explosive conditions.

5.5 Odors

The potential spread of odors is minimized by the use of covered containers outdoors, and conducting facility operations within the Solid Waste Processing Building. The concrete tipping floor and transfer trailer pit areas are swept and disinfected regularly to remove any remaining residues after material transfer. Any spillage of waste into the transfer trailer pit is removed immediately after each load departs. The tipping floor, pit, and General Public Drop Off Area are swept and washed as needed; the resulting leachate is collected using absorbent materials and/or a wet/dry vacuum. In the event odor complaints are received, steps are taken to identify the source for mitigation.

While on-site storage of MSW is no more than 72 hours, wherever possible, odorous or potentially odorous wastes are immediately loaded into a transfer trailer and transferred to the disposal site. Short-term storage of a loaded transfer trailer could generate detectable odor downwind of the facility. In order to minimize the potential for odors, loaded trailers are not kept at the facility for more than 24 hours, barring emergencies. Especially odorous trailers are removed on a priority basis. All transfer trailers are cleaned and repaired regularly to ensure that odor problems do not develop.

5.6 Dust

Operation and on-site travel areas are either impervious or hard-packed gravel to minimize dust generation from traffic and transfer/processing equipment. Dust generation from MSW and recyclables transfer is typically low because of the moisture characteristics of the handled materials. Water is sprayed on facility travel ways via water truck as necessary to minimize dust generation from vehicular traffic during dry periods. Facility personnel keep building tipping floors clean and apply mist/water to suppress dust as required during handling of dusty wastes.

5.7 Windblown Litter

Most materials at the facility are heavy enough to preclude being lifted and transported by wind. A six-foot chain link fence in conjunction with natural boundaries around the facility will contain any incidental windblown litter. Facility personnel perform regular visual inspections and collect windblown litter which is stored in a closed dumpster until ultimate disposal.

5.8 Leachate

Facility operations are conducted primarily within the Solid Waste Processing Building to limit exposure of materials to precipitation. Exterior material storage is within covered containers where leachate generation is unlikely, or in areas underlain with impermeable surfaces, where leachate is easily contained for cleanup. Additionally, any solid waste generated at the facility (such as personnel generated MSW) is stored within a covered 30-yard container. Absorbent materials are located throughout the site for containment and cleanup of leachate as needed.

5.9 Spills

To reduce the possibility of oil spills and subsequent environmental contamination, facility material handling areas are designed with impermeable underlying surfaces. The Solid Waste Processing Building and Scrap Metal Processing Building have concrete floors. The exterior Scrap Metal Recycling Area has concrete slabs on which metals are stored. Heating and waste oil storage containers are double-walled. When transferring oil between containers, a funnel is used to reduce the possibility of spills. Additionally, a tank integrity inspection program is implemented to ensure leakage does not occur. In the unlikely event of a spill, Spill Kits are strategically located throughout the facility. Refer to Figure 2 for locations.

5.10 Detention Basins

Stormwater detention basins are inspected and maintained as outlined in the “New Hampshire Storm Management Manual, Volume 2, Post-Construction Best Management Practices and Design”, annually (or following a significant storm event), as follows:

- Inspect inlet pipes and outlet pipes for structural integrity and, where necessary, take corrective action;
- Inspect riprap aprons for sediment and debris accumulation;
- Inspect for and remove litter or other debris that may be blocking inlet/outlet pipes, swales or spillways;
- Inspect for sediment accumulation at inlet pipes and in basins;
- Inspect stone around outlet pipes or swales for accumulated sediment, vegetation and/or debris;
- Mow vegetated basins and embankments and maintain in healthy condition; and,
- Re-establish native vegetation on eroded slopes/embankments as necessary.

Results of inspections are recorded on the forms included in Appendix I.

5.11 Equipment and Vehicle Maintenance

Equipment required to operate the facility are in conformance with the NHDES Solid Waste Rules and are appropriate to the size and scope of operations, (i.e., compactors, fork lifts, mechanical sorting devices, scales, trucks and other vehicles.) A list of Facility Equipment is included in Appendix G. Only minor equipment and/or vehicle maintenance will be conducted on-site on an impervious surface. All major repairs and cleanings will be performed off-site. Washing or cleaning equipment and/or vehicles outside is prohibited.

5.12 Other Potential Hazards or Nuisances

Metal processing and facility vehicles have the potential to generate noise and vibrations. To minimize these potential nuisances, Greater Waste Solutions, LLC will operate only during regularly established hours. Building setbacks and topographical features will provide an additional noise and vibration buffer.

6. CONTINGENCY PLAN

This section identifies foreseeable emergencies and, based on the type of wastes being handled, describes the appropriate response of facility personnel. A comprehensive emergency contact list is included in Appendix E. This list is also posted beside facility telephones.

6.1 Foreseeable Emergencies

Excavator/Heavy Equipment Accident

Only trained and qualified personnel are assigned to operate excavators and other heavy equipment used at the facility. Operation of this equipment is in areas where the general public may be present. Safety training for personnel is completed and regularly updated.

Hot Loads

Materials accepted by the facility are unlikely to be combustible, however, any vehicle that visibly contains smoldering, smoking, or burning materials is directed to the Hot Load Area, where the fire is extinguished.

Prohibited Waste

All incoming material is checked for prohibited waste. These materials are rejected when found. If there is any question as to whether a waste is hazardous, the load is not to be accepted until documentation of non-hazardous materials is provided. Sealed containers are rejected: contents are not known and assumed to be liquid, which is not accepted.

Spills

Petroleum products are used on-site (Refer to Appendix H – Petroleum and Fluids Storage); and, although prohibited, may unintentionally arrive at the facility in loads of C & D or scrap metal. Materials are processed/stored either within the Solid Waste Processing Building, the Scrap Metal Processing Building, in a container, or on an impermeable surface that prevents any liquid waste from contaminating underlying soil and/or groundwater.

Fire and Explosion

Open burning is prohibited at the facility; however, petroleum products used on-site are flammable. Proper use of and storage procedures for these products are followed. Lithium-ion and other rechargeable batteries are accepted at the facility and contain flammable fluids. These batteries are collected in a closed container, distinct from other materials. Facility personnel are trained to provide appropriate fire-fighting response in the event of fire. All areas of the building (e.g. administration, processing, storage) and exterior equipment are equipped with suitable fire extinguishers for controlling minor fires.

6.2 Emergency Response Procedures

Personal Injury

First aid equipment is available on-site for use in administration of first aid by personnel, if trained, or for self-administration by the injured individual.

Procedures in the event of injury:

- Assess the situation and evaluate health and safety hazards
- Take any action necessary to prevent additional risk to people (i.e. alert all personnel and customers to evacuate and relocate to a designated safe area, shut down machines, etc.)
- If trained, administer first aid and make efforts to stabilize the situation; if untrained, provide access to first aid equipment to the injured
- If necessary, dial 911 to notify Emergency Services or evacuate to the nearest Emergency Room

Hot Loads

Any vehicle that visibly contains smoldering, smoking, or burning materials is directed to the Hot Load Area. The load is dumped and its contents spread out and saturated with water or smothered with inter material until all burning material has been extinguished. The extinguished load is then moved into the Solid Waste Processing Building where the load is safely dumped. Runoff from extinguishing a hot load is captured and contained utilizing absorbent materials or a wet/dry vacuum, stored in a sealed container, and later transported to an appropriate facility for disposal.

Prohibited Waste

Suspect prohibited materials include, but are not limited to, drummed liquid waste and materials specifically labeled as hazardous. Prohibited waste inadvertently dumped shall be removed from the waste stream and placed into the Hazardous Material Area/Container until the firm specializing in the handling of that type of waste is contacted to retrieve the material. In the event of a hazardous waste spill or leak, the associated area is isolated and cleaned using absorbents. Spill response kits are located in the building.

Spill Response

Oil Spills which exceed the requirements of Env-Or 604.06 require that verbal notification be made directly to NHDES during normal working hours or to the NH State police outside of normal working hours. (see Appendix E for contact information) In the event of a spill or oil discharge, the following procedure is followed immediately by facility personnel.

Procedures in the event of spill:

- Assess the situation and evaluate fire, health and safety hazards

- Take necessary steps to prevent injury to personnel, damage to equipment, and fire hazards (i.e. alert all personnel and customers to evacuate and relocate to a designated safe area, shut down machines, etc.)
- Initiate action to stop the spill, contain and prevent run-off, and prevent environmental damage
- Notify your immediate supervisor via phone or two-way radio
- Small spills (less than 25 gallons, cleaned-up with on-site Spill Kits):
 - Contain and remove all discharged oil and oil-contaminated debris
 - Stockpile and dispose of discharged oil and oil-contaminated materials in accordance with all applicable local, state and federal regulations
- Larger spills are handled by an emergency response contractor
- If spill management requires additional equipment (i.e., Vacuum truck, large booms, roll-offs, etc.) or if spill has reached surface water, continue to monitor and mitigate any fire or health and safety hazard; investigate to determine the presence of free product and notify Emergency Services if/as necessary by dialing 911

Fire and Explosion

All firefighting equipment is maintained in operating condition and kept clear of obstructions at all times. CellBlockEX granulate is stored next to the battery collection container, to be used in the event of a fire originating therein. Facility personnel are alert for signs of burning waste such as smoke, steam or heat being released from incoming loads. An adequate water supply is readily available on-site.

Procedures in the event of fire:

- Assess the situation and evaluate health and safety hazards, extent of fire, possibilities of fire spreading and alternatives to extinguish the fire
- Take any action necessary to prevent risk to people: alert all personnel and customers and relocate to a designated safe area
- Attempt to contain or extinguish fire, if trained and can safely do so
- If necessary, activate fire alarm and dial 911 to notify Greenville Fire Department
- Upon arrival, direct Fire Department personnel to fire and provide assistance, if requested
- Do not attempt to fight the fire alone
- Firefighting methods may include smothering, separation of burning material, spraying with water
- Apply CellBlockEX granulate to suffocate/extinguish battery fires
- Small fires may be controlled with hand held fire extinguishers

6.3 Incident Notifications

Refer to Section 8.2.3, Emergency Reporting

7. EMPLOYEE TRAINING PROGRAM

Greater Waste Solutions, LLC provides a training program for all personnel. All facility employees will receive, at a minimum, a comprehensive overview of all aspects of facility procedures to assure their health and welfare, training to recognize and avoid unsafe conditions, and training in the rules applicable to their work, allowing them to perform their specific duties in accordance with operating procedures and in compliance with safety rules and regulations, and NHDES Solid Waste Rules, including Env-Sw 1002.04 Safety.

7.1 Facility Manpower Requirements

Greater Waste Solutions, LLC is staffed with persons qualified by reason of experience, education, and performance history to operate the facility in accordance with all applicable requirements of the Solid Waste Rules and permit in a manner which is protective of the environment, public health and safety. In accordance with Env-Sw 1600, 1005.06, 1005.07, and pursuant to RSA 438, “Standards for Weights and Measures”, and in accordance with Agr1400, “Weights and Measures”:

- All persons who operate the facility shall be certified (issued or interim) in accordance with Env-Sw 1600;
- Facility Manager shall hold a Principal Operator Certification-Level III, or higher;
- At least one certified Principal Operator shall be present during facility operation;
- At least one licensed Public Weighmaster shall be present for weight, measure or count determinations;
- No less than 50% of on-site personnel directly involved with the management of solid waste shall be operators certified by issued certification.

Facility Manager

- Directs the operations of the facility;
- Supervises, trains, and evaluates facility personnel;
- Coordinates delivery of materials to the facility by commercial and private haulers;
- Solves problems related to waste management and environmental issues;
- Ensures equipment is maintained and ready for operations;
- Operates facility and heavy equipment;
- Loads trucks for market;
- Oversees implementation of safety program and compliance;
- Reviews and updates safety program as needed;
- Contacts buyers and potential buyers to promote the sale of processed recycled materials;
- Resolves public complaints concerning solid waste and recycling issues;
- Conducts random load inspections; and
- Performs other administrative/clerical duties as required.

Secretary

- Assists public and maintains handout information;
- Calls transfer company when loads are ready for transfer;
- Prepares/completes Bills of Lading;
- Keeps accurate records of shipments/sales on paper and computer;
- Uses computer for database entry and maintenance;
- Generates accounts receivable records;
- Maintains records as required for annual reporting;
- Handles filing, copying, telephone-related duties;
- Keeps office space clean and requests necessary supplies; and
- Performs other administrative/clerical duties as required.

Solid Waste Facility Operator

- Oversees the recycling management of salvageable materials;
- Operates truck to plow and sand in winter;
- Assesses materials, pays suppliers, collects fees, and issues receipts;
- Keeps accurate daily accounts of all monetary transactions collected in daily work log;
- Operates front-end loader, excavator, bobcat, floor jack and other equipment to pack containers, load appliances, process and recycle necessary material;
- Inspects and cleans facility property and access road;
- Ensures bins are properly closed at the end of each day;
- De-bags comingled recyclables in the tipping area;
- Sorts incoming mixed metal loads;
- Assists all customers with waste and recycling questions;
- Monitors dumping to ensure recyclable material is not contaminated;
- Monitors unloading to ensure no hazardous or prohibited material is illegally dumped;
- Conducts random load inspections; and
- Performs other administrative/clerical duties as required.

Scale Operator

- Operates weight scale computer;
- Weighs trucks in and out and keeps records on paper and computer;
- Operates floor scale(s) and keeps records on paper and computer;
- Directs loads to proper areas;
- Prints tickets for customers; and
- Performs other administrative/clerical duties as required.

7.2 Safety Training

All certified facility operators renew their certification by attending at least one annual workshop administered or approved by the NHDES. (Operator certification is valid for one (1) year from the date of issuance.) For information regarding the certification program, contact the Solid Waste Operator Training Program of the NHDES at 603-271-2900. Facility operations managers, supervisors, and/or third party contracted trainers conduct regular (at least weekly) meetings to discuss safety issues, facility issues, and to inform employees of changes in operational or other facility plans. Training topics include:

New Employees:

Contingency/Emergency Response Procedures/Spill Plan
Prevention and Protection/Fire Extinguisher Use
Health and Safety
Hazard Communication
Operating Plan
Site Tour/Equipment Operation
Emergency Response/Spill Plan
Waste Screening
Job Duty-Specific Equipment Operation Training

Refresher:

Emergency Response/Spill Plan Fire
Fire Extinguisher Use
Health and Safety
Hazard Communication
Operating Plan
Regulation and Procedural Changes
Emergency Response/Spill Plan
Waste Screening
Equipment Safety Review

8. RECORDKEEPING AND REPORTING

8.1 Facility Operating Records

Greater Waste Solutions, LLC will maintain records at the facility at all times during active life documenting all aspects of operation, as required by Env-Sw 1105.06. At a minimum this information includes the following:

- Identification of the facility by name, location by street and municipality and permit number;
- Identification of the permittee by name, address and telephone number;
- Identification of all facility operators by name, address, certificate number, and date(s) of employment at the facility;
- Quantity, type, source and destination of all waste received by the facility;
- Quantity, type and destination of all waste generated by the facility, if any, including bypass waste and residual waste;
- Quantity, type and destination of all certified waste-derived products produced by the facility, if any;
- Record of inspections, maintenance, and repairs;
- Record of accidents, violations, remedial and emergency event response actions;
- Record of complaints received and related response actions;
- Data from all environmental monitoring performed at or for the facility, whether required by the solid waste rules or the permit or undertaken voluntarily;

- Documentation of contact with the waste management district(s) served by the facility as required by Env-Sw 1105.12;
- Other recordkeeping information and documentation required by Env-Sw 400; and
- Other information and documentation as required by the terms and conditions of the permit.

A copy of the most current version of the permit, including a complete copy of the Operating Plan of record and a complete copy of the last approved facility Closure Plan, will be maintained at the facility for use by the facility operators and for inspection by the New Hampshire Department of Environmental Services (NHDES).

8.2 Reporting Requirements

8.2.1 General Reporting

Greater Waste Solutions, LLC shall notify the NHDES in accordance with Env-Sw 1105.07(a) in writing within 30 calendar days of any change in the facility address, telephone number, key certified operators and contact person(s).

Greater Waste Solutions, LLC shall report all changes in operational and ownership control in accordance with the provisions for a type III or type IV permit modification, as applicable, pursuant to Env-Sw 315.

Greater Waste Solutions, LLC shall notify the NHDES in writing prior to conducting the following activities at the facility not specifically authorized in the permit:

- Any activity not regulated by the solid waste rules but involving a waste listed in Env-Sw 101.03, and
- Any activity that is permit-exempt in Env-Sw 302.03.

For activities commencing at the facility after permit issuance, written notice pursuant to the above shall include the following, compiled in the following order:

- Facility name, location by street and municipality, and permit number;
- A description of the subject activity;
- A site plan showing the location of the subject activity in relation to the permitted facility activities;
- The date the subject activity will commence and the anticipated duration of the activity;
- Identification and status of other local, state and federal permits and approvals required to implement the subject activity; and
- Certification, signed by the permittee, that the activity shall not adversely affect the permitted construction, operation and closure of the facility as required by Env-Sw 1102.02.

8.2.2 Annual Report

No later than March 31st each year, Greater Waste Solutions, LLC shall submit an annual report to the NHDES. This annual report shall summarize facility operations for the previous year and shall include the following, in accordance with Env-Sw 1105.07(b):

- Facility name, location by street and municipality, and permit number;
- Name, address and telephone number of the permittee;
- Name, address, certificate number and telephone number of all facility operators;
- Status of the facility, including whether active or inactive and the estimated remaining life and capacity of the facility;
- Quantity in tons, type and source of all waste received by the facility, with out-of-state tonnage figures separately listed and totaled;
- Destination of all wastes received by the facility;
- Quantity, type and destination of all waste generated by the facility, including bypass and residual waste;
- The estimated quantity of waste stored at the facility, by type, as of the end of the calendar reporting year;
- A summary and assessment of environmental monitoring performed at the facility, whether required by the solid waste rules or the permit or undertaken voluntarily;
- Pursuant to the provisions of RSA 149-M: 11, XI, a discussion of how facility operations satisfied the public benefit requirements specified in the permit, if any;
- A certification that the facility is in compliance with:
 - The facility Operating Plan in accordance with Env-Sw 1105.04(b);
 - Applicable requirements of Env-Sw 905 Tires;
 - All terms and conditions of the facility permit;
 - The requirements of Env-Hw 1100 for the management of universal wastes;
 - The requirements of Env-Hw 807 for the management of used oil;
- If unable to certify compliance as detailed above, a schedule for achieving compliance;
- Other information, if any, identified as annual reporting information in:
 - Env-Sw 400;
 - Env-Sw 905 Tires; and
- The signature required by Env-Sw 303.04.

For compliance with the annual requirement in Env-Sw 1105.12 to communicate with the host solid waste management district, Greater Waste Solutions, LLC shall send a copy of the facility's Annual Report to the district chairperson with a cover letter identifying the purpose of the communication and soliciting a response from district officials to assure that:

- 1) All operating requirements established for the facility pursuant to the provisions of RSA 149-M:11, XI pertaining to the requirements of RSA 149-M:11, III(c) and RSA 149-M:12, I(b) are being met by the facility; and
- 2) Facility operations meet other relevant planning needs and requirements identified or established by the district, to the extent allowed by the permit.

8.2.3 Emergency Reporting

Greater Waste Solutions, LLC shall report incidents involving injuries and other health and safety issues according to OSHA requirements. Greater Waste Solutions, LLC shall notify the NHDES verbally as soon as practicable, Monday through Friday at (603) 271-3899, or weekends at (603) 271-3636 (8 AM to 4 PM) in the event of all incidents or situations at the facility which involve an imminent and/or substantial risk to human health, safety or the environment or which constitute a violation of the solid waste rules or the facility permit.

Greater Waste Solutions, LLC shall submit a follow-up written report to the NHDES within five (5) working days of the time Greater Waste Solutions, LLC becomes aware of the incident or situation which shall include the following information:

- Facility name, location by street and municipality, and permit number;
- Permittee name, mailing address and telephone number;
- Identification of all persons involved in the incident or situation, including name, title and affiliation;
- A description of the incident or situation, including:
 - The date and time the incident or situation occurred;
 - The quantity and types of wastes and material(s) involved in the incident or situation and in the clean-up activities;
 - Measures employed to contain releases caused by the incident or situation;
 - An assessment of actual or potential hazards to the environment, safety and human health related to the incident; and
- Measures Greater Waste Solutions, LLC has or intends to apply to reduce, eliminate, and prevent a recurrence of the incident or situation.

Greater Waste Solutions, LLC shall report to the NHDES, in writing, complaints made by abutters or other third parties which involve operating conditions or practices having the potential to adversely affect human health, safety or the environment or which involve a recurring or persistent nuisance situation such as noise, litter, odor, dust or vectors. Reports shall contain the following information:

- Facility name, location by street and municipality, and permit number;
- Permittee name, mailing address and telephone number;
- Name, mailing address and, if available, telephone number of the complainant;
- Nature of the complaint, date(s) of receipt by Greater Waste Solutions, LLC, complete description of the circumstances or situation giving rise to the complaint; and
- A description of Greater Waste Solutions, LLC response actions; and
- Other information required on Incident Reporting (found in Contingency Plan) if part of an incident.

Oil Spills which exceed the requirements of Env-Or 604.06 require that verbal notification be made directly to the NHDES during normal working hours or to the NH State police at (800) 525-5555 outside of normal working hours.

8.2.4 Additional Reporting

As soon as noticed, Greater Waste Solutions, LLC shall report to the NHDES any intentional or accidental deviation from any approved plan.

Greater Waste Solutions, LLC shall provide written notification to the NHDES, within five (5) business days, anytime the weight restriction or storage time limits are exceeded, or vehicles are diverted due to the facility approaching the weight restriction.

Greater Waste Solutions, LLC shall maintain a current and correct “Emergency Contacts” and “Emergency Services” list at the facility. (Appendix E)

Appendix A

GLOSSARY of TERMS

Antifreeze – Shall mean a material having an ethylene glycol or propylene glycol base that is used full strength or diluted with water only as protection against freezing, overheating, and corrosion of the cooling system or an internal combustion engine. (Env-Hw 103.07)

Ash – Shall mean bottom ash and fly ash (ash produced in small dark flecks, typically a furnace, and carried into the air. (Env-Sw 902). Ash shall also mean ash generated from the combustion of wood or fossil fuel; and ash from crematoriums.

Battery – Shall mean a device consisting of one or more electrically connected electrochemical cells which is designed to receive, store, and deliver electric energy. An electrochemical cell is a system consisting of an anode, cathode, and an electrolyte, plus such connections (electrical and mechanical) as may be needed to allow the cell to deliver or receive electrical energy. The term battery also includes an intact, unbroken battery from which the electrolyte has been removed. (Env-Hw 103.11) (40 CFR 260.10) Alkaline batteries manufactured after 1995 may be disposed of as solid waste. All other batteries are managed as universal waste.

Bulky Waste – Shall mean “large items that cannot be handled by normal solid waste processing, collection or disposal methods, such as appliances, furniture, large auto parts, tires, and, when they are not buried on-site in accordance with RSA 149-M:4, XXII, tree stumps”. (Env-Sw 100)

Cathode Ray Tubes (CRTs) – Shall mean a glass tube used to provide the visual display in televisions, computer monitors, and certain scientific instruments, such as oscilloscopes. (Env-Hw 103)

Commercial Waste – Shall mean waste materials originating in wholesale, retail, institutional or service establishment, such as office building, stores, markets, theaters, hotels or warehouses.

Commingled Recyclables – Shall mean a mixture of several types of recyclables.

Compost – Shall mean “a stable, humus-like substance which is derived from a process involving the biological decomposition of any readily biodegradable material, such as animal manure, garbage, yard waste, septage, sludge, or other organic solid wastes, and which can be beneficially re-used for land application.” (Env-Sw 102.39)

Construction and Demolition Debris – Shall mean “non-putrescible waste building materials and rubble which is solid waste resulting from the construction, remodeling, repair or demolition of structures or roads. The term includes, but is not limited to, bricks, concrete and other masonry materials, wood, wall coverings, plaster, dry wall, plumbing, fixtures, non-asbestos insulation or roofing shingles, asphaltic pavement, glass, plastics that are not sealed in a manner that conceals other wastes and electrical wiring and components, incidental to any of the above and containing no hazardous liquid or metals. The term does not include asbestos waste, garbage, corrugated container board, electrical fixtures containing hazardous liquids such as fluorescent light ballasts or transformers, furniture, appliances, tires, drums and containers, and fuel tanks.” (Env-Sw 102.42)

Curbside Collection – Shall mean programs where waste or recyclable materials are collected at the curb, often from special containers, to be brought to various processing facilities.

Drop-Off Site – Shall mean a central site serving an area for the safe and convenient deposit of a specifically designated waste.

Do-It-Yourselfer (DIY) Used Oil – Used oil, (includes motor oil, transmission fluid, differential oil, brake fluid, power-steering fluid and transaxle fluid) that is not mixed with other substances such as gas, antifreeze or solvents and is generated and delivered to collection sites by residents who change the oil in their personal vehicles.

Electronic Waste or E-waste – includes, but is not limited to computer towers, central processing units, monitors printers and other computer related accessories, televisions, cell phones, office electronic equipment, DVD players and VCRs. Electronic waste accepted at facilities is subject to the disposal ban in RSA 149-M27, IV and must be managed so that it complies with Universal Waste Rules for Cathode Ray Tubes (CRTs).

Ferrous – Includes scrap metals consisting of iron, steel and cast iron in various forms including prepared steel, unprepared steel, mixed steel and cast-iron materials:

- (a). Prepared Steel – Material of a certain size, thickness, and quality requirement to be described as commodity grade prepared scrap. This material requires no further processing.
- (b). Un-prepared Steel – Material of miscellaneous size, thickness and quality requiring processing (shearing, cutting, baling, etc.) into prepared steel (above).
- (c). Mixed Steel – Material of miscellaneous size, thickness and quality requiring sorting and processing to manufacture marketable ferrous material.
- (d). Cast Iron – Materials including boilers, radiators, obsolete machinery, etc. that are not steel.
- (e) Light Iron – Material consisting of light gauge steel, white goods, appliances, roofing material and other sheet steel items generated from households, industrial sources, transfer stations and solid waste facilities.
- (f). Obsolete machinery and other equipment generally from manufacturing operations.

Hazardous Waste – Shall mean a solid, semi-solid, liquid or contained gaseous waste, or any combination of these wastes, which, because of either quantity, concentration, or physical, chemical, or infectious characteristics may cause or contribute to an increase in mortality or an increase in irreversible or incapacitating reversible illness, or, pose a present or potential threat to human health or the Environment when improperly treated, stored, disposed of, or otherwise mismanaged. Such wastes include, but are not limited to, those which are reactive, toxic, corrosive, ignitable, irritants, strong sensitizers or which generate pressure through decomposition, heat or other means. Such wastes do not include radioactive substances that are regulated by the Atomic Energy Act of 1954, as amended. (Env-Sw 103)

Household Hazardous Waste - Shall mean hazardous waste generated from non-commercial usage by individuals in their living abodes. (Env-Sw 103).

Incinerator - A facility with one or more furnaces in which wastes are burned.

Infectious Waste – Shall mean any waste which because of its infectious nature may cause or significantly contribute to an increase in mortality or an increase in serious irreversible or incapacitating reversible illness; or pose a substantial present or potential hazard to human health or the Environment when improperly treated, stored, transported, disposed of or otherwise managed. (Env-Sw 103)

Lamp – also referred to as “universal waste lamp”, is defined as the bulb or tube portion of an electric lighting device. A lamp is specifically designed to produce radiant energy, most often in the ultraviolet, visible, and infra-red regions of the electromagnetic spectrum. Examples of common universal waste electric lamps include, but are not limited to, fluorescent, high intensity discharge, neon, mercury vapor, high pressure sodium, and metal halide lamps. (Env-Hw 104.01) (40 CFR 260.10)

Leachate - Any liquid that has percolated through solid waste or another medium and has extracted, dissolved, or suspended materials from it, which may include potentially harmful materials.

Mercury-Containing Devices – Shall mean any product or component, excluding batteries and lamps, that contain elemental mercury necessary for its operation and is housed within an outer casing. The term includes but is not limited to thermostats, intact mercury-containing ampules, thermocouples, thermometers, manometers, barometers, sphygmomanometers, electric switches and relays, gas flow regulators, water meters, and electric meters that contain mercury switches or relays. (Env-Hw 104.11). These devices are managed as universal waste.

Municipal Solid Waste (MSW) – Shall mean “solid waste generated at residences, commercial or industrial establishments, and institutions, but excluding construction and demolition debris, automobile scrap and other motor vehicle waste, infectious waste, asbestos waste, contaminated soil and other absorbent media and ash other than ash from household stoves.” (Env-Sw 103.46)

Non-Ferrous – Includes scrap metals consisting of: Aluminum, Brass, Copper, Lead, Lead Acid Batteries, Stainless Steel and High Temperature Alloys, Catalytic Convertors, and any other non-ferrous recyclable materials that have value, ex. Gold, Nickel, Silver, Platinum.

Organic Waste – Shall mean waste material containing organic or naturally occurring carbon. The organic fraction of municipal solid waste includes paper, wood, food wastes, and yard trim.

Pesticides – Shall mean any substance or mixture of substances intended for preventing, destroying, repelling, or mitigating any pest, or intended for use as a plant regulator, defoliant, or desiccant, other than any article that: (1). Is a new animal drug under FFDCA section 201(w), or (2). Is an animal drug that has been determined by regulation of the Secretary of Health and Human Services not to be a new animal drug or, (3). Is an animal feed under FFDCA section 201(x) that bears or contains any substances described by paragraph (1) or (2) of this definition. (40 CFR 260.10)

Scrap Metal – Bits and pieces of ferrous and non-ferrous metal parts, bars, rods, sheets, or wire or metal pieces that may be combined together with bolts or solder, for example, radiators, aluminum window frames, lawn furniture, pipes and fittings.

Processed Mixed Municipal Solid Waste - waste which has been collected and transported to a facility where it is subject to one or more processes included, but not limited to: separation, clarification, classification, densification, size reduction, incineration and biological.

Processed Recyclable Material – shall mean “a recyclable material which has been physically sorted and separated by material type, formed into bales or otherwise physically processed and packaged in a manner satisfying the specifications for transportation to and acceptance by a market that will use the material for the production of certified waste-derived products.” (Env-Sw 104)

Recycling Center - A facility that is designed, operated and authorized to receive and process recyclables by utilizing manual or mechanical methods to separate, process and classify materials for recycling purposes.

Recyclable Materials – Shall mean materials that can be used to produce marketable goods, including but not limited to, separated clear and colored glass, aluminum, ferrous and nonferrous metals, plastics, corrugated cardboard, motor vehicle batteries, tires from motor vehicles, and paper. The term does not include; hazardous waste, hazardous air pollutants, and other waste not regulated as solid waste, as identified in Env-SW 101.03; waste identified as non-reusable in Env-SW 900, including asbestos and infectious waste; and wastes from an unspecified production or generation process, such as municipal solid waste incinerator ash and contaminated soils or absorbent media. (Env-Sw 104)

Recycling - The collection, storage, processing and redistribution of recyclable materials. The term excludes the redistribution of recyclable materials for any purpose constituting disposal, as defined in RSA 149-M:4, VI, incineration or another purpose not directly related to the production of certified waste-derived products. (Env-Sw 104).

Residual Waste – Shall mean solid waste remaining after processing, treatment or disposal of solid waste or as a by-product of processing or treatment or disposal of solid waste, including leachate, decomposition gases and waste-derived products not certified for distribution and use pursuant to Env-SW 1500. The term includes “residuals.” (Env-Sw 104)

Resource Recovery - Reclaiming, through the processing of solid waste materials, substances, energy, or other products contained within or derived from the solid waste for sale or reuse.

Reuse - The use of a product more than once in its same form for the same purpose, i.e., a soft-drink bottle is reused when it is returned to the bottling company for refilling.

Single Stream Recyclables (SSR)– Refers to a system in which all paper fibers, plastics, metals, and other containers are mixed and collected instead of being sorted by the depositor into separate recyclable commodities.

Solid Waste – “As defined by RSA 149-M:4, XXII, namely “any matter consisting of putrescible material, refuse or residue from an air pollution control facility; and other discarded or abandoned material. It includes solid, liquid, semi-solid, or contained gaseous material resulting from industrial, commercial, mining, and agricultural operations, and from community activities. For purposes of this chapter [RSA 149-M] it does not include hazardous wastes as defined in RSA 147-A:2; solid or dissolved materials in irrigation return flows; cut or uprooted tree stumps buried on-site with local approval if required, provided that such burial locations are not located within 75 feet of any drinking water supply; municipal and industrial discharges which are point sources subject to permits under section 402 of the Federal Water Pollution Control Act, as amended; source, special nuclear or by-product materials as defined by the Atomic Energy Act of 1954, as amended; or septage or sludge as defined in RSA 485-A:2, IX-a and 23 Env-Sw 100 NEW HAMPSHIRE CODE OF ADMINISTRATIVE RULES XI- a,” that is to say sludge which is not disposed at solid waste facilities permitted under RSA 149-M. The term “solid waste” also does not include yard waste, actively

managed waste-derived products which are certified for distribution and use pursuant to Env-SW 1500, and bodies of deceased persons.” (Env-Sw 104)

Source Separation - The segregation of specific materials at the point of generation for separate collection. Residences source separate recyclables as part of a curbside recycling program.

Tires – Shall mean automobile, pickup truck, motorcycle and bicycle tires removed from the wheel or rim; this also includes large truck and tractor tires which must be cut into quarters prior to delivery.

Transfer Station – “Means a solid waste collection, storage and transfer facility, which collects, stores and transfers solid waste, including non-recyclable waste.” (Env-Sw 104)

Tree Limbs and Brush – means tree tops, limbs, saplings and tree cuttings, including attached leaves, that are 5” in diameter and 9’ in length, or less.

Type of Waste - Shall mean “ a category of waste, at least as specific as the following, which describes the belonging waste by its material composition or other distinguishing characteristics: (a) ash; (b) bulky waste; (c) construction and demolition debris; (d) hazardous waste; (e) household hazardous waste; (f) household infectious waste; (g) infectious waste; (h) municipal solid waste; (i) putrescible waste; (j) recyclable materials; (k) white goods; and (l) yard waste.” (Env-Sw 104)

Unlimited Service – Shall mean the service type provided by a commercial facility, which, through the conditions of the permit, allows the facility to receive authorized waste from any source, including the spot market. (Env-Sw 104)

Universal Waste – Shall mean any of the following wastes that may be managed in accordance with Env-HW 1100 in lieu of Env-Hw 300 through Env-Hw 700: a) certain types of batteries; (b) pesticides; (c) mercury-containing devices; (d) fluorescent bulbs/lamps; (e) Cathode ray tubes and (f) Antifreeze. (Env-Sw 104).

Untreated Wood – Also referred to as “virgin wood”, is defined by Env-A 101.211 as any timber, board or sawn dimensional lumber which has not been treated, coated or preserved. This term does not include construction and demolition debris or any manufactured building material, such as plywood or wafer board.

Used Oil – Includes motor oil, transmission fluid, differential oil, brake fluid, power-steering fluid and transaxle fluid and is classified as a Hazardous Waste. (NH DES BMP). ONLY Do-It-Yourselfer (DIY) used oil is accepted at this facility.

Vector - An organism, including insects, other arthropods or rodents, which are capable of transmitting pathogens from one organism to another.

Waste Stream - A term describing the process flow of waste materials from homes or businesses that must be recycled, burned or disposed of in landfills.

White Goods – Shall mean “a generic term for a variety of discarded household appliances, including clothes washers, clothes dryers, stoves, refrigerators, freezers, dishwashers and air conditioners.” (Env-Sw 104)

Yard Waste - Means leaves, grass clippings, garden debris, and small or chipped branches. (Env-Sw 104.68) It includes yard maintenance and land clearing debris, such as leaves, grass clippings, garden debris, trees, stumps, logs, branches, brush, shrubs, downed timber, rotten wood, root mat, duff, leaf litter, soil material, etc., that remains from yard work or the clearing of an area for land development, grading, residential or commercial/industrial construction, agricultural clearing, maintenance, clearing and utility easement maintenance.

Appendix B

SCRAP ACCEPTANCE / GRADING GUIDELINES

The requirements for acceptance of recyclable metals detailed in this document provide for responsible Environmental management. Many of these guidelines are mandated by state and federal Environmental regulations and apply to us and our suppliers.

Prior to delivery/acceptance, ALL suppliers are required to acknowledge that: materials meet quality requirements, provide certification of refrigerants present / properly evacuated, as applicable, certify materials have been inspected and free of hazardous and prohibited materials; and provide for indemnity to receiver by reading and signing the Hazardous & Prohibited Substance Removal Compliance Agreement (included in Appendix F)

The following list is not inclusive as other items not listed may be inappropriate for scrap metal recycling. Read these guidelines carefully and contact your supervisor or buyer with any questions about specific items.

The following materials will not be accepted at our scrap metal facility:

- Any material containing hazardous or toxic substances;
- Any material, which, in the opinion of the GWS Operator constitutes a serious hazard to other users or to the property, employees or operation of the facility;
- Asbestos or asbestos containing materials, such as pipe insulation, acetylene tanks and surfacing material commonly found on I-beams, tanks, and other structural and demolition debris (40 CFR §61.150);
- Ash;
- Automobiles/boats/motorcycles (except associated/incidental scrap metal that never contained fluids or lubricants and is free of contained gaseous waste).
- Carcasses – any;
- Circuit boards (unless sold as electronic scrap);
- Computers, televisions, computer monitors, CRTs, LCDs. (Computers may be accepted if previously approved for purchase as electronic scrap);
- Contained gaseous waste, including pressurized containers or cylinders, such as propane tanks, compressed gas tanks, aerosol cans, and extinguisher, EXCEPT when said tanks have been previously, properly cut up and have been certified as properly vented;
- Contaminated soils and other absorbent media;
- Construction or demolition debris;
- Explosives such as dynamite and ammunition, explosive residuals, and potentially explosive materials of any type, such as sealed tanks;
- Fluorescent lights, neon, high intensity mercury vapor lights, high pressure sodium, metal halide and associated ballasts;
- Hazardous or Toxic waste;
- Household trash, garbage, or other putrescible waste;
- Household hazardous wastes including gasoline, transformer and cutting oil, oil-based paints, liquid asphalt, pesticides, herbicides, solvents, or their products;
- Infectious waste;
- Lead-acid batteries that have broken, burned, cracked, leaked or missing caps, (or NiCad batteries or battery parts, including automobile batteries (40 CFR §273). (Undamaged Lead-acid batteries may be accepted if sold as a separate commodity for recycling);
- Liquid waste;
- Military scrap of any kind, unless ownership clearly established AND approved in advance by GWS facility operator;

- Mercury-containing switches and other devices
- Metal kegs for malt beverages, as defined in FSA 179:5-a, or pieces of such kegs, unless supplier is brewer whose name appears on the keg (RSA 322:12-a);
- Non-Recyclable materials, including: asphalt, dirt, concrete, glass, rubber, tires, wood, and yard waste.
- Oil, gasoline, other petroleum products and antifreeze. This includes hydraulic fluids, gear oils and grease, metal shavings coated or mixed with oils or lubricants, and motor vehicle parts that contain or have contained fluids or lubricants;
- Paint cans or other paint containers;
- PCBs - items that contain or have contained PCBs, including small capacitors, fluorescent light ballasts and electrical transformers or transformer components and paint (TSCA 15 U.S.C. § 2601 et seq., and its implementing regulations at 40 CFR §258 and §761). (Transformers and transformer components may be accepted if properly drained and documented as “certified clean”).
- Radioactive material of any type;
- Railroad associated scrap metal, (unless ownership clearly established AND approved in advance by GWS facility operator);
- Refrigerants, (including CFCs and HCFCs) in refrigerators and air conditioners that may be leaking fluids are prohibited from acceptance. Clean Air Act regulations (§608(b)(1) and (§603(c)) prohibit any release of refrigerants to the atmosphere and require persons handling refrigerants to follow specific procedures. Suppliers of previously refrigerant-evacuated goods are required to sign a statement certifying that all refrigerants have been properly removed (40 CFR §61.150). Un-damaged refrigerant containing refrigerators and air conditioners may be accepted in designated areas for proper management.
- Scrap metal from any minor under the age of 16 years, (without the written consent of his/her parent or guardian).
- Sludge and septic waste;
- Tanks, drums or other containers, including pressurized containers, unless properly cut up, and certified as empty and being properly vented;
- Tires.

The following items will be accepted ONLY if prepared as described:

- Automobiles/boats/motorcycle – ONLY the associated/incidental scrap metal that never contained fluids or lubricants and is free of contained gaseous waste;
- Appliances must have been drained of ALL fluids, including refrigerants to be sold and accepted in the metal processing area and supplier must certify that any materials containing refrigerants or non-exempt refrigerant substitutes as those terms are defined at 40 CFR 82.32(f) and 40 CFR 82.153 were removed and disposed of in accordance with all applicable laws prior to delivery. (Refer to “Refrigerant Recovery Statement” in the Hazardous & Prohibited Substance Removal Compliance Agreement included in Appendix F) Undamaged appliances that have not previously leaked and contain refrigerants, but no other fluids, may be accepted in designated areas, and a fee charged, for proper management, reclamation and disposal;
- Computers may be accepted if previously approved for purchase as electronic scrap);
- Containers, cylinders and other pressurized vessels, such as propane tanks, compressed gas tanks, aerosol cans (must be empty and crushed or punctured and plastic caps removed), and extinguishers, that have been previously, properly cut up and have been certified as properly vented;
- Lead-acid batteries may be accepted if sold as a separate commodity for recycling and are not broken, burned, cracked, leaking or missing caps;
- Military scrap IF ownership clearly established AND approved in advance by GWS facility operator;
- Metal kegs for malt beverages, as defined in FSA 179:5-a, or pieces of such kegs, IF supplier is brewer whose name appears on the keg (RSA 322:12-a);
- PCBs –transformer and transformer components may be accepted ONLY IF properly drained and documented as “certified clean”;
- Railroad associated scrap metal, IF ownership clearly established AND approved in advance by GWS facility operator;

- Refrigerants, (including CFCs and HCFCs) – see ‘appliances’, above;
- Scrap metal from any minor under the age of 16 years only WITH written consent of his/her parent or guardian;
- Tanks, drums or other containers, including pressurized containers, IF properly cut up, and certified as empty and being properly vented. Drums and other containers must be thoroughly cleaned and the entire top removed and open for inspection. Gas cylinders, including air bottles, propane tank and other gas tanks, must be cut in half. Storage tanks must be clean and purged of all fluids/gases, free of plastic, fiberglass and asbestos coatings/liners. Tanks that previously held hazardous chemicals must be certified clean and free of hazardous material by competent authority. Access panel must be removed or a ‘basketball ‘sized section removed prior to delivery so we may inspect the interior.

METAL THEFT

GWS maintains records of all transaction and cooperates fully with local, state and federal law enforcement in the prosecution of metal theft. In support curtailing metal theft incidents, the following materials will only be accepted upon clearly established ownership:

- Beer kegs, soda cylinders and shopping carts;
- Full-sized, new materials, such as those used in construction and equipment tools used by contractors;
- Items used only by governments, utilities, railroads, or for very specific purposes. This includes guardrails, manhole covers, storm drain covers and grates, cables and certain wires used only in high voltage transmission lines, historic markers, cemetery plaques, and artwork;
- Materials that have been reported as stolen;
- Materials that may not be new, but are clearly suspect, such as bleachers or traffic signs.

WHEN IN DOUBT, OBTAIN THE APPROVAL OF THE GWS FACILITY OPERATOR PRIOR TO ACCEPTING SUSPECT MATERIALS.

SCRAP METAL (Ferrous) GRADING AIDE – in addition to the preceding requirements, once inspected and determined to be generally acceptable, materials should be further examined, categorized, and segregated using these additional parameters:

LIGHT IRON:

Light metal 1/8" and under in thickness.

Includes items such as lawn mowers, bicycles, swing sets, water heaters, tin sheds, metal shelving, steel desks, appliances, etc. Must be free from all capacitors, CFCs and HCRCs.

#1 HMS, Prepared

Wrought iron and/or steel scrap, 1/4" and over in thickness.

Individual pieces 1" thick or less **MUST NOT** exceed 60' x 18" in size.

Individual pieces greater than 1" in thickness **MUST NOT** exceed 36" x 24" in size.

May not include auto/light truck scrap, galvanized material, sheet iron or thin-gauged material.

#1 HMS, Unprepared

Includes materials that exceed the above measurements for #1 HMS, Prepared

Plate & Structural, Prepared

Clean open-hearth steel plates, structural shapes, crop ends and shearing scrap, 1/4" and over in thickness. Individual pieces may not exceed 60" x 24" in size.

Individual pieces greater than 1" in thickness **MUST NOT** exceed 36" x 24" in size. May not include pipe or reinforcing bar (rebar).

Plate & Structural, Un-prepared

Includes material that exceed the above measurements for Plate & Structural, Prepared.

Mixed Cast

May include all grades of cast iron except: burnt iron; sash weights; foreign material. Outbound sizing may not exceed 24" x 30" OR any one piece over 150 pounds in weight.

Busheling, Prepared

Clean, un-coated, un-painted new production scrap, not exceeding 2' x 3' (24" x 36") in size.

Must be free of non-ferrous metals and non-metallics of any kind, including but not limited to: excessive dirt, loose turnings, oil, grease, excessive rust, tin plate, galvanized metal, stainless steel, chrome or porcelainized coatings (such as appliance coatings), etc.

Must be alloy free and lay reasonable flat in a truck/railcar.

Busheling, Un-Prepared

Includes material that exceed the above measurements for Busheling, Prepared. Outbound sizing may not exceed 5' x 10' in size (60" x 120")

Appendix C

RANDOM LOAD INSPECTION FORM



Greater Waste Solutions, LLC

Yard: 426 Fitchburg Road
Office: 124 Old Wilton Road
Greenville, NH 03048

Yard: Phone: 603-878-1170
Office: Phone: 603.878.4108
Fax: 603.878.2757

Certificate of Acceptable Waste (check one) ☐ *Solid Waste Facility* ☐ *Scrap Metal Facility*

The undersign, hereby certifies that, to the best of their knowledge and belief, the materials that are delivered for disposal at the *Greater Waste Solutions, LLC Transfer Station/Recycling Center* are acceptable solid wastes, as defined by the *Greater Waste Solutions, LLC Operating Plan* under paragraph 2.1 "Authorized Waste" or at the *Greater Waste Solutions, LLC Scrap Metal Collection and Recycling Center* are acceptable scrap metal as defined by *Greater Waste Solutions, LLC Scrap Acceptance Guidelines* and incorporated herein by reference.

Date: _____ Time of Inspection: _____

Origin of Waste
(city/town): _____

Hauler/Customer Name: _____
Hauler/Customer

Signature: _____

Inspected by: _____

Load Type	<i>Scrap Metal</i> <input type="checkbox"/>	<i>MSW</i> <input type="checkbox"/>	<i>C & D</i> <input type="checkbox"/>	<i>Mixed</i> <input type="checkbox"/>	<i>Recycling</i> <input type="checkbox"/>
Type of Truck		<i>Packer</i> <input type="checkbox"/>	<i>R/O</i> <input type="checkbox"/>	<i>P/U</i> <input type="checkbox"/>	<i>Resident</i> <input type="checkbox"/>
Load Rejected		<i>Yes</i> <input type="checkbox"/>	<i>No</i> <input type="checkbox"/>		

If rejected, explain:

Appendix D

THIRD PARTY WASTE DESTINATION PROVIDERS

Material		Facility Location
Electronics		East Coast Electronics/Shirley, MA
		Tech Recycling Solutions/Leominster, MA
Hazardous/Spills/Toxic Waste (Emergency Response)		US Ecology/Wrentham, MA
		Clean Harbors/Bow, NH
Lead Acid Batteries		Harding Metals/Northwood, NH
		Sims Metal Manag. /Providence, RI
Leachate		Wheelabrator Holdco/Fitchburg, MA
MSW		Covanta Energy/ Haverhill, MA
Recyclables, Pre-Sorted:	Paper:	Casella/Charlestown, MA
	Mix Paper:	E.L. Recycling/Fitchburg, MA
	Cardboard:	E.L. Recycling/Westborough, MA
Recyclables, - Pre-Sorted:	Plastics:	E.L. Recycling/Fitchburg, MA
		Casella/Charlestown, MA
Refrigerants		Pinnacle Rock Solutions/Peterborough, NH
		Pinnacle Rock Solutions/ Milford, NH
Scrap Metal		Excel Recycling/ Freetown, MA
		Sims Metal Management/Providence, RI
White Goods		Excel Recycling/Freetown, MA
		Sims Metal Management/Providence, RI

Appendix E

EMERGENCY CONTACTS & EMERGENCY SERVICES PROVIDERS

GREATER WASTE SOLUTIONS, LLC. 426 Fitchburg Road, GreEnville, NH 03048 yard 603-878-1170 office 603-878-4108

Company Emergency Contacts			
Facility Owner/Operations Manager <i>Greater Waste Solutions, LLC</i>	Julie Shaw	603-878-4108 x 10 603-547-7817 603-291-0418	Office Mobile Home
Property Owner <i>GMB Leasing, LLC</i>	Glen Shaw	603-554-5557 603-291-0418	Mobile Home
Emergency Spill Response <i>US Ecology</i>	EMERGENCY Non-Emergency	800-839-3975 800-590-5220	
Local Emergency Contacts			
Ambulance/Fire/Police	EMERGENCY	911	
Ambulance <i>Souhegan Ambulance Services</i>	Non-Emergency	603-878-4140	
Fire Department <i>GreEnville, NH</i>	Non-Emergency	603-878-1242	
Police Department <i>GreEnville, NH</i>	Non-Emergency	603-878-2324	
Hospital <i>Monadnock Community Hospital</i>	Non-Emergency	603-924-7191	
Poison Control Center	EMERGENCY	800-222-1222	
New Hampshire Emergency Contacts			
State Police Headquarters	EMERGENCY	800-525-5555 or 603-271-3636	
State Police Troup B (Hillsborough County)	Non-Emergency	603-666-3334	
NHDES – NH Department of Environmental Services	EMERGENCY	603-271-3899 603-271-3636	(DAY) (NIGHT)
NHDES – NH Department of Environmental Services <i>Solid Waste Management Division</i>	Non-Emergency	603-271-2925	
NH Homeland Security and Emergency Management	Non-Emergency	603-271-2232	
Federal Emergency Contacts			
OSHA Area Office	Non-Emergency	603-225-1629	
U.S. Environmental Protection Agency - EPA <i>Region 1 – Boston</i>	Non-Emergency	888-372-7341	
Federal Emergency Management Agency - FEMA	FEMA Boston FEMA Region 1	617-956-7506 202-646-2500	
Centers for Disease Control and Prevention	Atlanta, GA	404-639-3311	

Appendix F



GREATER WASTE SOLUTIONS, LLC

Yard: 603-878-1170 Office: 603-878-4108

HAZARDOUS & PROHIBITED SUBSTANCE REMOVAL COMPLIANCE AGREEMENT

	SELLER	RECEIVER
Company Name:		Greater Waste Solutions, LLC
Authorized Representative / Title		
Address:		Mailing: 124 Old Wilton Rd. Yard: 426 Fitchburg Rd. Greenville, NH 03048
City, State, Zip Code:		

As part of Greater Waste Solutions, LLC's (GWS) (Receiver) waste monitoring procedures and Environmental protection requirements, suppliers of appliances and other light iron products destined for shredding (collectively "light iron") are required to sign a Hazardous Materials Compliance Agreement, (HRCA) PRIOR TO BEING ACCEPTED at our scrap metal facility. The HRCA is the supplier's certification that hazardous materials are not present in scrap metal delivered to and accepted by the facility except, in the case of refrigerants, as specified below:

MATERIAL QUALITY REQUIREMENTS: *In addition to the hazardous and other prohibited substances herein noted, GWS may reject any material, which in the opinion of the GWS Operator constitutes a serious hazard to other users, property, employees, or operation of the GWS facility.* GWS Receiver shall not be deemed to have accepted any Materials purchased from Seller in accordance with this Agreement until such Materials have been approved by the Receiver at the GWS facility. GWS reserves the right to reject, at any time, any Material non-conforming with GWS quality requirements or requirements of this Agreement. Any Material rejected by Receiver shall be at Seller's sole cost and risk. Under no circumstances will title to any Material transfer to Receiver which is not as warranted, certified or conforming to this Agreement, or fully accepted by Receiver.

REFRIGERANTS:

(Delivered by Seller Free of Refrigerants and all other fluids)

(Seller must also fill out and Sign a Refrigerant Recovery Statement)

Seller hereby certifies that all appliances delivered to GWS, including without limitation: air conditioning units, are free of any and all "refrigerants" and any substitutes (including, but not limited to: chlorofluorocarbons (CFCs) and hydro chlorofluorocarbons (HCFCs) as defined in §608 of the Clean Air Act and 40 CFR Part 82), and that all such refrigerants or substitutes were removed and recovered in accordance with the requirements of 40 CFR 82.156(g) or (h) prior to delivery of the appliances. This includes the Seller certifying that all refrigerant that had not leaked previously have been recovered from the appliance or shipment of appliances by a certified technician for recycling or disposal; or, that if all refrigerant had previously leaked, that it was not intentionally vented.

(Delivered with Refrigerants but free of all other fluids):

(ONLY –un-damaged appliances containing "refrigerants" accepted)

Seller hereby certifies that all appliances, including without limitation: air conditioning units, delivered to GWS containing "refrigerants" and any substitutes, are free of all other fluids and are undamaged.

OTHER PROHIBITED MATERIALS: Seller hereby certifies that he/she has and/or will inspect all materials prior to delivery to GWS and shall not deliver any materials which: are considered hazardous or toxic wastes or substances under any applicable Law, including without limitation any of the following prohibited waste: *Asbestos or asbestos containing materials, including: pipe insulation, acetylene tanks, and surfacing material commonly found on I-beams, tanks, and other structural and demolition debris. (40 CFR §61.150); Ash; Automobiles/boats/motorcycles (except associated/incidental scrap metal that never contained fluids or lubricants and is free of contained gaseous waste); Carcasses – any; Contained gaseous waste including pressurized containers or cylinders, such as propane tanks, compressed gas tanks, aerosol cans, and extinguishers, EXCEPT when said tanks have been previously properly cut up and have been certified as properly vented; Contaminated soils and other absorbent media; Construction or demolition debris; Explosives such as dynamite and ammunition, and potentially explosive materials of any type, such as sealed tanks; Hazardous or toxic waste; Household trash, and garbage, or other putrescible waste; Household Hazardous Wastes including gasoline, transformer and cutting oil, oil-based paints, liquid asphalt, pesticides, herbicides, solvents or their products; Infectious waste; Liquid waste; Mercury-containing switches and other devices, including but not limited to: PCB capacitors as defined in 40 CFR Part 761, DEHP and other encapsulated PCBs of DEHP, Military scrap of any kind, unless ownership clearly established AND approved in advance by GWS facility operator; Metal Kegs for Malt Beverages, as defined in FSA 179:5-a, or pieces of such kegs, unless supplier is brewer whose name appears on the keg (RSA 322:12-a); Oils, gasoline, other petroleum products and antifreeze. This includes hydraulic fluids, gear oils and grease, metal shavings coated or mixed with oils or lubricants, and motor vehicle parts that contain or have contained fluids or lubricants; Radioactive waste; Railroad associated scrap metal, unless ownership clearly established AND approved in advance by GWS facility operator; Scrap metal from any minor under the age of 16 years, without the written consent of his/her parents or guardian; Sludge and Septic Waste; Tanks, drums or other containers unless emptied and properly cleaned of residues prior to receipt; Tires.* All warranties, certifications, indemnities, and other obligations made by Seller shall survive the expiration of this agreement.

Seller hereby certifies that all appliances to be delivered to GWS have been, and/or will be, inspected for small capacitors and that all PCB-containing small capacitors have been, and/or will be, removed before delivery to GWS.

INDEMNITY: Seller agrees to defend, indemnify, release, and hold harmless Receiver and its owners, affiliates, and employees (each an "Indemnatee"), from and against any claim, penalty, fine, fee, cost, expense (including attorneys' and expert fees), loss, obligation, damages, enforcement actions, or any other liability of any kind sustained by any Indemnatee arising directly or indirectly, in whole or in part, from any breach of this Agreement by Seller or any act or omission of Seller, its subcontractor(s), or any of their respective employees or agents. Seller is solely responsible for the condition and clean-up of its Material and any releases therefrom.

The undersigned individual signing on behalf of Seller represents and certifies that he/she is duly authorized by Seller to sign this agreement and certification on behalf of Seller. Any acknowledgement or confirmation issued by Seller regarding any Contract of this Agreement shall be deemed as issued solely for administrative purposes, but in no event shall any terms or conditions thereon govern.

AGREED: SELLER

AGREED: RECEIVER

Authorized Signature: _____

Signature: _____

Print Name: / Title: _____

Print Name: / Title: _____

Date

Telephone: _____

Date

Appendix G

FACILITY EQUIPMENT

GREATER WASTE SOLUTIONS, LLC. 426 Fitchburg Road, Greenville, NH 03048 yard 603-878-1170 office 603-878-4108

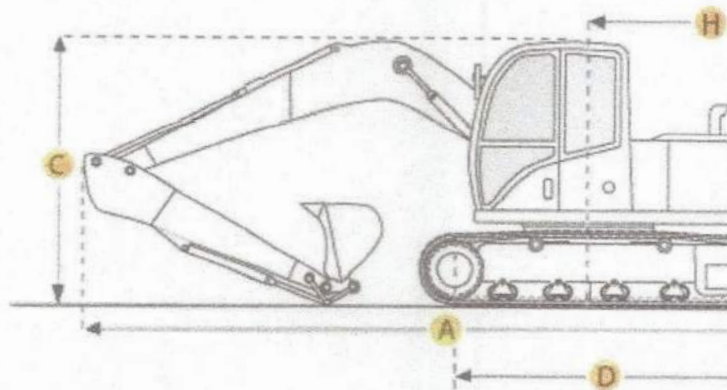
PROCESSING / FACILITY MAINTENANCE

EXCAVATOR:	<u>Hitachi Ex200LC-5:</u>	Bucket	
EXCAVATOR:	<u>Volvo EC210Blc:</u>	Bucket	
(with attachments)		40" Electric Drop Magnet (w/ Ohio RD-1W Controller)	
		Genesis GVP 07 Shear Jaws	
GRINDER	Sunex 5002A	8" Bench Grinder w/ Lamp	
LIFT TRUCK	<u>Big Joe PDC30</u>	3,000 lb. Power Driven Counter-Balanced Lift Truck	
MISCELLANEOUS		Chains & Rigging Straps, Hand & Power Tools, etc.	
PALLET TRUCK	<u>Uline H-1193</u>	5,500 lb.	
SCALE	<u>Triner TSM5-44</u>	5,000 lb. Floor Scale (w/ Digital Indicator)	
SCALE	Powell 10' x 70'	120,000 lb. Truck Scale (w/ Cardinal 225 Display)	
SHEARER, HAND	<u>Constellation 1 1/2-8</u>	Hydraulic Metals and Bars Shear	
SKID STEER LOADER	<u>Kubota SSV75</u>	Bucket	LM2584
(with attachments)		Forks	PFL5548
		Grapple	
		Plow	SSP15 – 96"
		Sheer Jaws	LaBounty MSD7/r
STREET / PARKING LOT SWEEPER			
TORCH	<u>Harris Model 85</u>	Cutting Torch #6290 to 5"	
USED OIL FURNACE	Energylogic E-340H	Fuel Types:	ASTM D396 No. 2 oil fuel,
	Multi-Fuel Burning		Used Crankcase Oil,
	Appliance		Used Auto Transmission Oil

WASTE CONTAINERS

WIRE STRIPPER	<u>Stripinator 918-28C</u> Scrap Wire Stripping Machine
COMPACTORS	Various Sizes/Styles, Industry Standard
DUMPSTERS	Various Sizes/Styles, Industry Standard
DRUMS	Various Sizes/Styles, Industry Standard
GAYLORDS	48" X 40" X 36"to Various styles: 2 – 5 walled, covered/open/on pallet; (or other pallet-sized) Lined/Vented/Secondary Containment
ROLL-OFFS	Various Sizes/Styles, Industry Standard
TRAILERS	Various Sizes/Styles, Industry Standard

HITACHI EX200LC-5 HYDRAULIC EXCAVATOR



Selected Dimensions

Boom/Stick Option

A. SHIPPING LENGTH OF UNIT	31.6 ft in	9620 mm
C. SHIPPING HEIGHT OF UNIT	10.1 ft in	3090 mm
I. MAX CUTTING HEIGHT	30.1 ft in	9170 mm
J. MAX LOADING HEIGHT	21 ft in	6390 mm
K. MAX REACH ALONG GROUND	29.8 ft in	9080 mm
L. MAX VERTICAL WALL DIGGING DEPTH	16.9 ft in	5140 mm
M. MAX DIGGING DEPTH	19.6 ft in	5980 mm

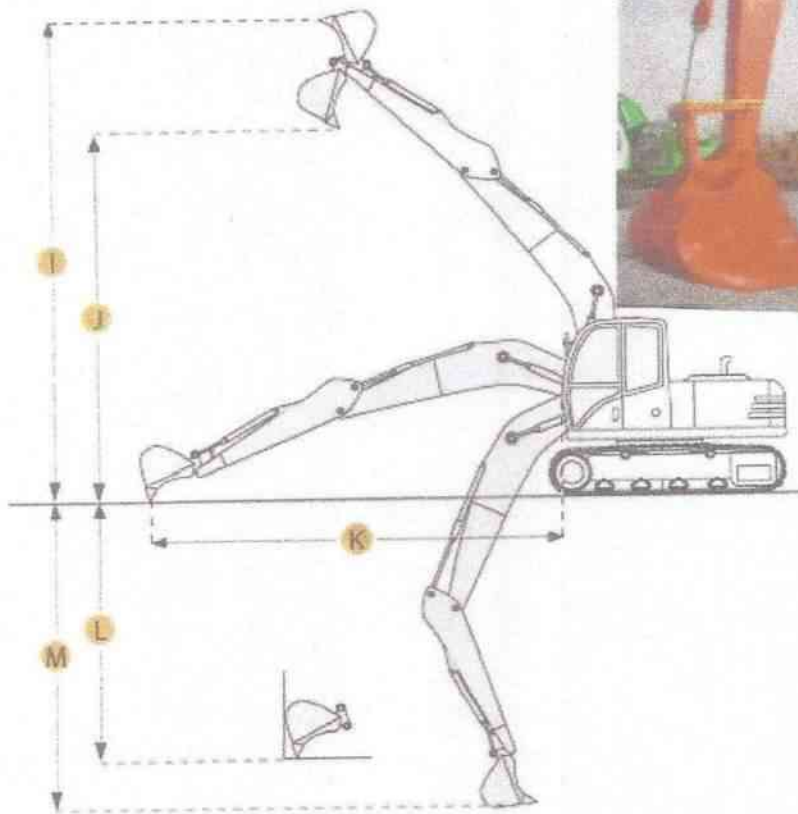
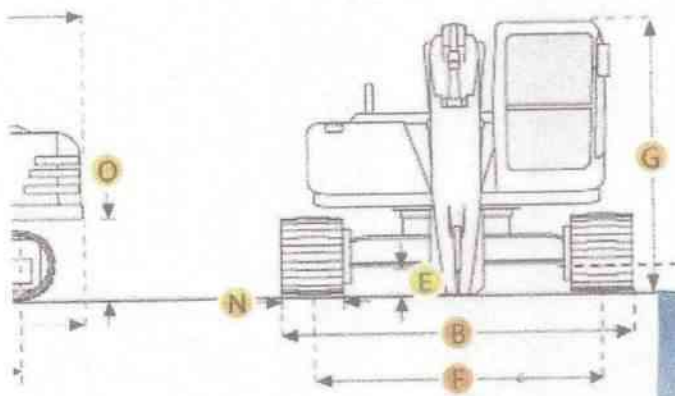
Dimensions

B. WIDTH TO OUTSIDE OF TRACKS	10.5 ft in	3190 mm
D. LENGTH OF TRACK ON GROUND	12 ft in	3660 mm
E. GROUND CLEARANCE	1.5 ft in	450 mm
G. HEIGHT TO TOP OF CAB	9.4 ft in	2870 mm
H. TAIL SWING RADIUS	9 ft in	2750 mm
O. COUNTERWEIGHT CLEARANCE	3.4 ft in	1030 mm

Undercarriage

F. TRACK GAUGE	7.8 ft in	2390 mm
N. SHOE SIZE	31.5 in	800 mm

Specification



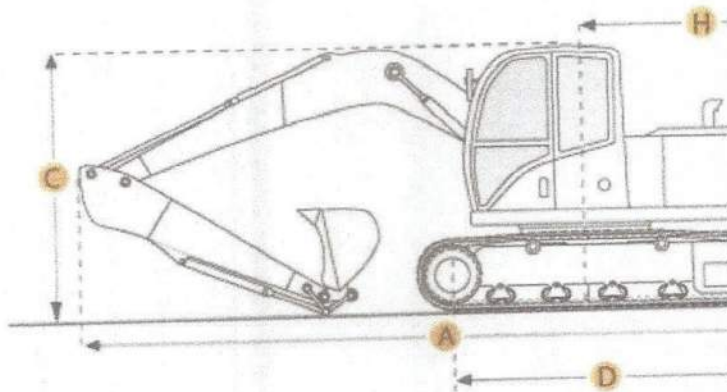
MODEL	A-900011	
NET POWER	132 hp	98.4 kw
POWER MEASURED @	1950 rpm	
DISPLACEMENT	396 cu in	6.5 L
TORQUE MEASURED @	1600 rpm	
MAX TORQUE	340 lb ft	461 Nm
NUMBER OF CYLINDERS	6	
ASPIRATION	Turbocharged	
Operational		
OPERATING WEIGHT	44100 lb	20003.4 kg
FUEL CAPACITY	81.9 gal	310 L
COOLING SYSTEM FLUID CAPACITY	6.1 gal	23 L
HYDRAULIC SYSTEM FLUID CAPACITY	52.8 gal	200 L
ENGINE OIL CAPACITY	6.6 gal	25 L
SWING DRIVE FLUID CAPACITY	2.2 gal	8.2 L
ALTERNATOR SUPPLIED AMPERAGE	40 amps	
HYDRAULIC SYSTEM RELIEF VALVE PRESSURE	4980 psi	34335.9 kPa
HYDRAULIC PUMP FLOW CAPACITY	97.7 gal/min	370 L/min
Swing Mechanism		
SWING SPEED	13.9 rpm	
Undercarriage		
NUMBER OF SHOES PER SIDE	49	
SHOE SIZE	31.5 in	800 mm
NUMBER OF CARRIER ROLLERS PER SIDE	2	
NUMBER OF TRACK ROLLERS PER SIDE	8	
GROUND PRESSURE	4.6 psi	31.4 kPa
MAX TRAVEL SPEED	3.4 mph	5.5 km/h
TRACK GAUGE	7.8 ft in	2390 mm
Buckets		
REFERENCE BUCKET CAPACITY	1 yd3	0.8 m3
MINIMUM BUCKET CAPACITY	0.67 yd3	0.51 m3
MAXIMUM BUCKET CAPACITY	1.6 yd3	1.2 m3
Boom/Stick Option (HEX) 1		
BOOM/STICK OPTION (HEX) 1	Boom 18'8" (5680mm) / Stick 7'3" (2220mm)	
SHIPPING HEIGHT OF UNIT	10.1 ft in	3090 mm
SHIPPING LENGTH OF UNIT	31.6 ft in	9620 mm
MAX DIGGING DEPTH	19.6 ft in	5980 mm
MAX REACH ALONG GROUND	29.8 ft in	9080 mm
MAX CUTTING HEIGHT	30.1 ft in	9170 mm
MAX LOADING HEIGHT	21 ft in	6390 mm
MAX VERTICAL WALL DIGGING DEPTH	16.9 ft in	5140 mm
Boom/Stick Option (HEX) 2		
BOOM/STICK OPTION (HEX) 2	Boom 18'8" (5680mm) / Stick 9'7" (2910mm)	
SHIPPING HEIGHT OF UNIT	9.7 ft in	2970 mm
SHIPPING LENGTH OF UNIT	31.2 ft in	9500 mm
MAX DIGGING DEPTH	21.9 ft in	6670 mm
MAX REACH ALONG GROUND	32 ft in	9750 mm
MAX CUTTING HEIGHT	31.5 ft in	9600 mm
MAX LOADING HEIGHT	22.2 ft in	6780 mm
MAX VERTICAL WALL DIGGING DEPTH	19.8 ft in	6050 mm
Boom/Stick Option (HEX) 3		

SHIPPING LENGTH OF UNIT	31 ft in	8160 mm
MAX DIGGING DEPTH	26.8 ft in	11100 mm
MAX REACH ALONG GROUND	36.4 ft in	10220 mm
MAX CUTTING HEIGHT	33.5 ft in	7410 mm
MAX LOADING HEIGHT	24.3 ft in	7540 mm
MAX VERTICAL WALL DIGGING DEPTH	24.7 ft in	

Dimensions

WIDTH TO OUTSIDE OF TRACKS	10.5 ft in	3190 mm
HEIGHT TO TOP OF CAB	9.4 ft in	2870 mm
GROUND CLEARANCE	1.5 ft in	450 mm
COUNTERWEIGHT CLEARANCE	3.4 ft in	1030 mm
TAIL SWING RADIUS	9 ft in	2750 mm
LENGTH OF TRACK ON GROUND	12 ft in	3660 mm

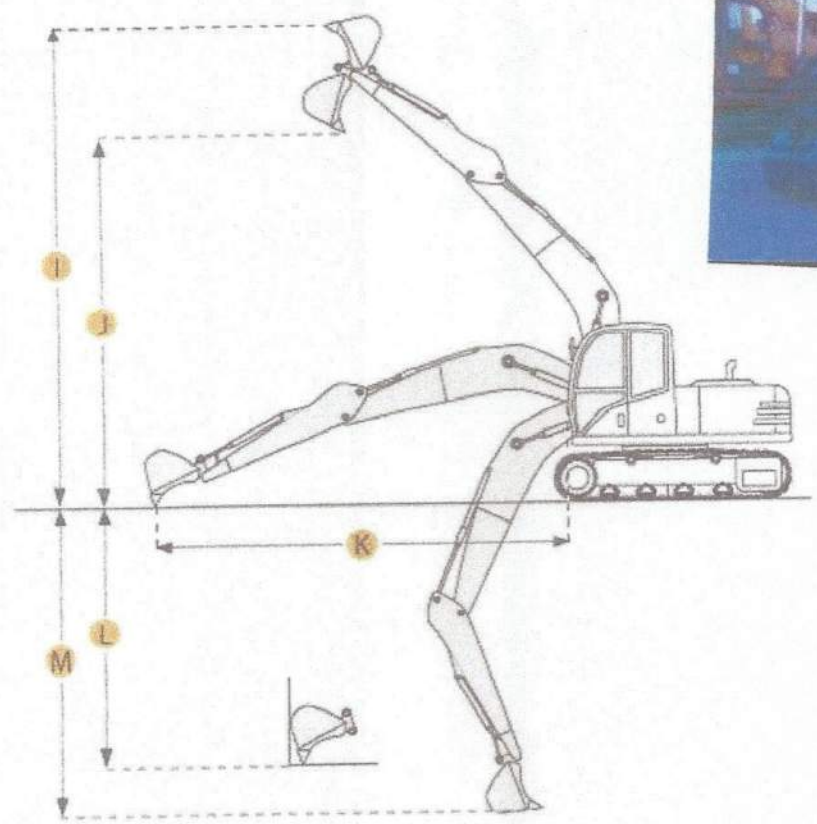
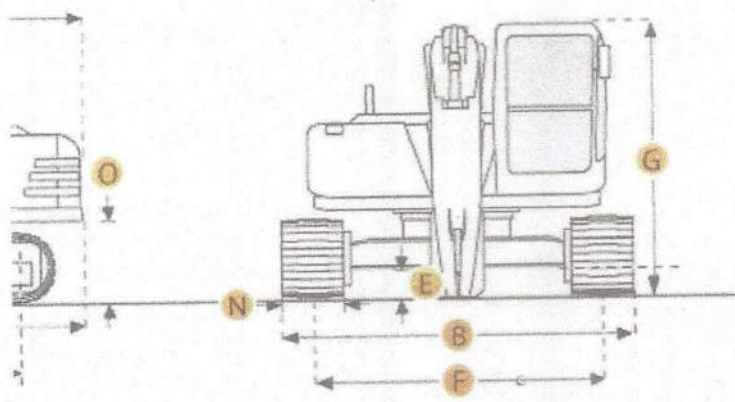
VOLVO EC210-LC HYDRAULIC EXCAVATOR



Selected Dimensions

Boom/Stick Option

A. SHIPPING LENGTH OF UNIT	32.2 ft in	9810 mm
C. SHIPPING HEIGHT OF UNIT	10.3 ft in	3150 mm
I. MAX CUTTING HEIGHT	29 ft in	8830 mm
J. MAX LOADING HEIGHT	20 ft in	6110 mm
K. MAX REACH ALONG GROUND	28.7 ft in	8740 mm
L. MAX VERTICAL WALL DIGGING DEPTH	13.9 ft in	4230 mm
M. MAX DIGGING DEPTH	18.5 ft in	5630 mm
Dimensions		
B. WIDTH TO OUTSIDE OF TRACKS	9.8 ft in	2990 mm
D. LENGTH OF TRACK ON GROUND	12 ft in	3660 mm
E. GROUND CLEARANCE	1.5 ft in	460 mm
G. HEIGHT TO TOP OF CAB	9.5 ft in	2900 mm
H. TAIL SWING RADIUS	9.4 ft in	2850 mm
O. COUNTERWEIGHT CLEARANCE	3.4 ft in	1025 mm
Undercarriage		
F. TRACK GAUGE	7.8 ft in	2390 mm
N. SHOE SIZE	23.6 in	600 mm



Engine

MAKE	Cummins	
MODEL	B5.9-C	
GROSS POWER	160 hp	119.3 kw
NET POWER	143 hp	106.6 kw
POWER MEASURED @	1900 rpm	
DISPLACEMENT	360 cu in	5.9 L
TORQUE MEASURED @	1500 rpm	
MAX TORQUE	455.8 lb ft	618 Nm
ASPIRATION	Turbocharged	
NUMBER OF CYLINDERS	6	

Operational

OPERATING WEIGHT	45194.8 lb	20500 kg
FUEL CAPACITY	92.5 gal	350 L
COOLING SYSTEM FLUID CAPACITY	7 gal	26.5 L
HYDRAULIC SYSTEM FLUID CAPACITY	75.3 gal	285 L
ENGINE OIL CAPACITY	6.3 gal	24 L
SWING DRIVE FLUID CAPACITY	1.6 gal	6 L
OPERATING VOLTAGE	24 V	
ALTERNATOR SUPPLIED AMPERAGE	50 amps	
HYDRAULIC SYSTEM RELIEF VALVE PRESSURE	4974.8 psi	34300 kPa
HYDRAULIC PUMP FLOW CAPACITY	105.7 gal/min	400 L/min

Swing Mechanism

SWING SPEED	11.6 rpm	
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Undercarriage

NUMBER OF SHOES PER SIDE	49	
SHOE SIZE	23.6 in	600 mm
NUMBER OF CARRIER ROLLERS PER SIDE	2	
NUMBER OF TRACK ROLLERS PER SIDE	9	
MAX TRAVEL SPEED	3.4 mph	5.5 km/h
TRACK GAUGE	7.8 ft in	2390 mm

Buckets

REFERENCE BUCKET CAPACITY	0.65 yd ³	0.5 m ³
MINIMUM BUCKET CAPACITY	0.65 yd ³	0.5 m ³
MAXIMUM BUCKET CAPACITY	1.6 yd ³	1.3 m ³

Boom/Stick Option (HEX) 1

BOOM/STICK OPTION (HEX) 1	Monobloc Boom 5700mm / Stick 1800mm	
SHIPPING HEIGHT OF UNIT	10.3 ft in	3150 mm
SHIPPING LENGTH OF UNIT	32.2 ft in	9810 mm
MAX DIGGING DEPTH	18.5 ft in	5630 mm
MAX REACH ALONG GROUND	28.7 ft in	8740 mm
MAX CUTTING HEIGHT	29 ft in	8830 mm
MAX LOADING HEIGHT	20 ft in	6110 mm
MAX VERTICAL WALL DIGGING DEPTH	13.9 ft in	4230 mm

Boom/Stick Option (HEX) 2

BOOM/STICK OPTION (HEX) 2	Monobloc Boom 5700mm / Stick 2300mm	
SHIPPING HEIGHT OF UNIT	10.2 ft in	3120 mm
SHIPPING LENGTH OF UNIT	32 ft in	9750 mm
MAX DIGGING DEPTH	20.1 ft in	6130 mm
MAX REACH ALONG GROUND	30.3 ft in	9230 mm
MAX CUTTING HEIGHT	30.3 ft in	9230 mm

Boom/Stick Option (HEX) 3

BOOM/STICK OPTION (HEX) 3	Monobloc Boom 5700mm / Stick 3900mm	
SHIPPING HEIGHT OF UNIT	11.8 ft in	3590 mm
SHIPPING LENGTH OF UNIT	31.7 ft in	9670 mm
MAX DIGGING DEPTH	25.4 ft in	7730 mm
MAX REACH ALONG GROUND	34.8 ft in	10610 mm
MAX CUTTING HEIGHT	31.6 ft in	9620 mm
MAX LOADING HEIGHT	22.4 ft in	6830 mm
MAX VERTICAL WALL DIGGING DEPTH	21.6 ft in	6570 mm

Boom/Stick Option (HEX) 4

BOOM/STICK OPTION (HEX) 4	2-piece Boom 5570mm / Stick 1800mm	
SHIPPING HEIGHT OF UNIT	10 ft in	3040 mm
SHIPPING LENGTH OF UNIT	31.7 ft in	9670 mm
MAX DIGGING DEPTH	17.1 ft in	5220 mm
MAX REACH ALONG GROUND	28.3 ft in	8640 mm
MAX CUTTING HEIGHT	32.5 ft in	9900 mm
MAX LOADING HEIGHT	23 ft in	7010 mm
MAX VERTICAL WALL DIG DEPTH	13.1 ft in	3990 mm

Boom/Stick Option (HEX) 5

BOOM/STICK OPTION (HEX) 5	2-piece Boom 5570mm / Stick 2300mm	
SHIPPING HEIGHT OF UNIT	10 ft in	3040 mm
SHIPPING LENGTH OF UNIT	31.5 ft in	9610 mm
MAX DIGGING DEPTH	18.8 ft in	5720 mm
MAX REACH ALONG GROUND	30 ft in	9130 mm
MAX CUTTING HEIGHT	33.9 ft in	10330 mm
MAX LOADING HEIGHT	24.3 ft in	7400 mm
MAX VERTICAL WALL DIG DEPTH	15.6 ft in	4770 mm

Boom/Stick Option (HEX) 6

BOOM/STICK OPTION (HEX) 6	2-piece Boom 5570mm / Stick 3900mm	
SHIPPING HEIGHT OF UNIT	11.9 ft in	3630 mm
SHIPPING LENGTH OF UNIT	31.1 ft in	9470 mm
MAX DIGGING DEPTH	23.8 ft in	7240 mm
MAX REACH ALONG GROUND	34.5 ft in	10530 mm
MAX CUTTING HEIGHT	36.7 ft in	11180 mm
MAX LOADING HEIGHT	27.1 ft in	8270 mm
MAX VERTICAL WALL DIG DEPTH	20.3 ft in	6180 mm

Dimensions

WIDTH TO OUTSIDE OF TRACKS	9.8 ft in	2990 mm
HEIGHT TO TOP OF CAB	9.5 ft in	2900 mm
GROUND CLEARANCE	1.5 ft in	460 mm
COUNTERWEIGHT CLEARANCE	3.4 ft in	1025 mm
TAIL SWING RADIUS	9.4 ft in	2850 mm
LENGTH OF TRACK ON GROUND	12 ft in	3660 mm

SUNEX TOOLS
GUARANTEED TO PERFORM

**6" BENCH GRINDER
WITH LAMP**

5002A

**8" BENCH GRINDER
WITH LAMP**



SPECIFICATIONS

5001A

5002A

Size of Grinding Wheel	6" x 3/4" x 1/2"	8" x 1" x 5/8"
Speed (at 60 HZ)	3400 RPM	3400 RPM
Power	1/2 HP	3/4 HP
Weight (G.W.)	28 LBS.	33 LBS.

! WARNING

Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- lead from lead-based paints,
- crystalline silica from bricks and cement and other masonry products, and
- arsenic and chromium from chemically-treated lumber.

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.

! WARNING



ALWAYS READ THIS MANUAL BEFORE OPERATING THIS TOOL



ALWAYS WEAR EYE PROTECTION WHEN OPERATING THIS TOOL (USERS AND BYSTANDERS)



ALWAYS WEAR HEARING PROTECTION WHEN OPERATING THIS TOOL (USERS AND BYSTANDERS)



ALWAYS WEAR BREATHING APPARATUS WHEN OPERATING THIS TOOL (USERS AND BYSTANDERS)



AVOID PROLONGED EXPOSURE TO VIBRATION



RATED RPM OF ACCESSORY USED MUST EXCEED THE MAXIMUM TOOL RPM SHOWN

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5001A and 5002A: Parts Breakdown and Operating Manual

rev. 3/13/17

the device owner to keep this manual intact and in a convenient location for all to see and read. If the manual or product labels are lost or not legible, contact Sunex for replacements. If the operator is not fluent in English, the product and safety instructions shall be read and discussed with the operator in the operator's native language by the purchaser/owner or his designee, making sure that the operator comprehends its contents.

ELECTRICAL WARNINGS

1. This unit must always be used in accordance with all electrical and safety codes and ordinances including National Electric Code (NEC) and Occupational Safety and Health Act (OSHA).
2. Read, study, understand and follow all instructions before using.
3. Failure to follow all instructions listed below may result in electric shock, fire, explosion and/or serious personal injury.
4. Keep bystanders, children and visitors away while operating unit. Distractions can cause you to lose control and endanger others.
5. Store unit or product out of reach of children and other untrained persons, which can become dangerous in the hands of untrained users.
6. Keep cord away from heat, oil, sharp edges or moving parts.
7. Do not remove any labels. Replace any damaged labels.
8. Slipping, tripping and or falling while operating product can be a major cause of serious injury or death. Be aware of cord left on walking or work surface.
9. Never remove, bypass or modify the grounding prong on any electrical plug in any way. Do not use any adapter plugs. Check with a qualified electrician if you are in doubt as to whether the outlet is properly grounded.
10. Never use cord for carrying, pulling or unplugging the unit or product.
11. Never attempt to plug in or operate unit or product with defective or damaged wires, power cord or power cord plug. Have any defective or damaged parts replaced immediately by an authorized repair center.
12. Do not use in or around water, damp conditions, on wet surfaces, wet hands or while standing in water.
13. Do not use unit or product around any flammable material or fuel.
14. Keep unit or product away from hot objects.
15. Ground Fault Circuit Interrupter (GFCI) protection is to be provided on the circuit(s) or outlet(s) to be used for the wet location portable luminaries. Receptacles are available having built-in GFCI protection and are able to be used for this measure of safety.
16. If an extension cord is required:
 - Use only "UL Listed" extension cords.
 - If you are using the tool outdoors, use an extension cord rated and marked "For Outdoor Use". Use only an extension cord type SEW, SEOW, SEOW, SOW, SOOW, STW, STOW, STOW, SJEW, SJEOW, SJEOW, SJW, SJOW, SJOW, SJTW, SJTOW, or SJTOW.
 - The cord must be of the proper size and type to supply the correct current to the light without overheating. Otherwise the extension cord could melt and catch fire, or cause electrical damage to the light. This light requires the use of an extension cord of 0 to 12 amps capability (up to 50 feet) with wire size rated at 16 AWG. Longer extension cords require larger size wire (smaller AWG number). AWG = American Wire Gauge.
17. Stay alert, watch what you are doing and use common sense when operating a product. Do not use product while tired or under the influence of drugs, alcohol or medication. A moment of in



18. Dress properly. Do not wear loose clothing or jewelry. Contain long hair. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewelry or long hair can be caught in moving parts.
19. Avoid accidental starting. Be sure switch is in the locked or "off" position before plugging product into the units power source. Carrying product with your finger on the switch or plugging into power source with the switch "on" invites accidents.
20. Disconnect product from power source or place switch in the locked or "off" position before making any adjustments, changing accessories, or storing the product. Such preventative safety measures reduce the risk of starting the product accidentally.
21. Do not overreach. Keep proper footing and balance at all times. Proper footing and balance enable better control in unexpected situations.
22. If damaged, have the unit or product serviced before using. Many accidents are caused by poorly maintained products.
23. Do not use (or modify) this product for any other purpose than that for which it was designed without consulting the manufacturer's authorized representative.
24. Use only accessories that are recommended by the manufacturer. Accessories that may be suitable for one product may create a risk of injury when used on another product.
25. This product may contain one or more chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. *Wash hands thoroughly after handling.*
26. Handling the brass parts of this product will expose you to lead, a chemical known to the State of California to cause birth defects and other reproductive harm. *Wash hands after handling.*
27. Failure to heed these warnings may result in serious or fatal personal injury and/or property damage.

ADDITIONAL GRINDER WARNINGS



1. Always use guards and eye shields (users and bystanders). Always wear safety glasses or other eye protection and hearing protection when operating this tool and keep the eye shields mounted in their proper position on the wheel guard.
2. Always wear breathing apparatus when using this tool.
3. Replace a cracked wheel immediately. Handle wheels carefully to avoid bumping or dropping. DO NOT use a grinding wheel that has been dropped. Before using, inspect each wheel for cracks or flaws and if these are evident, discard the wheel.
4. Before mounting a new wheel, be sure that it is marked with an RPM that is the same as, or higher than, the no load speed of the grinder as marked on the nameplate.
5. Never start a grinder with anyone, including the operator, standing in line with the wheel. After installing a replacement wheel, stand to one side and allow it to revolve freely for about one minute.
6. **Do not grind on the sides of grinding wheels unless they are the special wheels designed specifically for this purpose.**
7. Do not over tighten wheel nut.
8. Use only flanges furnished with this grinder.
9. Any damaged parts should be replaced with original parts and/or by a qualified service technician.
10. **Bolt Bench Grinder to a bench or pedestal to prevent movements.**
11. Use accessories only in the proper and intended manner.
12. **Spark Breakers should be installed perpendicular to the grinding wheel. If these are not installed properly, it is an OSHA violation. See picture on page 5.**

1. **GROUND ALL TOOLS.** If tool is equipped with three-prong plug, it should be plugged into a three-hole electrical receptacle. If an adapter is used to accommodate two-prong receptacle, the adapter wire must be attached to a known ground. Never remove the third prong.
2. **KEEP GUARDS IN PLACE** and in working order.
3. **REMOVE ADJUSTING KEYS AND WRENCHES.** Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.
4. **KEEP WORK AREA CLEAN.** Cluttered areas and benches invite accidents.
5. **AVOID DANGEROUS ENVIRONMENT.** Don't expose power tools to rain. Don't use power tools in damp or wet locations. Keep your work area well illuminated.
6. **KEEP CHILDREN AWAY.** All visitors should be kept a safe distance from work area.
7. **MAKE WORKSHOP CHILD PROOF** with padlocks, master switches, or by removing starter keys.
8. **DON'T FORCE TOOL.** Don't force tool or attachment to do a job for which it was not designed.
9. **USE RIGHT TOOL.** It will do the job better and safer at the rate for which it was designed.
10. **WEAR PROPER APPAREL.** No loose clothing, gloves, neckties, rings, bracelets, or other jewelry to get caught in moving parts. Nonslip



- contain long hair.
11. **USE SAFETY GLASSES (USERS AND BYSTANDERS).** Also always use hearing protection and face or dust mask.
 12. **NEVER STAND ON TOOL.** Serious injury could occur if the tool is tipped or if cutting tool is accidentally contacted.
 13. **DON'T OVERREACH.** Keep proper footing and balance at all times.
 14. **MAINTAIN TOOLS IN TOP CONDITION.** Follow instructions for lubricating and changing accessories.
 15. **DISCONNECT TOOLS** before servicing; when changing accessories.
 16. **USE RECOMMENDED ACCESSORIES.** Consult the owner's manual for recommended accessories. Use of improper accessories may be hazardous.
 17. **AVOID ACCIDENTAL STARTING.** Make sure switch is off before plugging in cord.
 18. **Vibration, repetitive motions or uncomfortable positions** over extended periods of time may be harmful to hands and arms. Discontinue use of tool if discomfort, tingling feeling or pain occurs. Seek medical advice before resuming use.



NOTE: The warnings and cautions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

ASSEMBLY

Tool Rests

Attach the left and right tool rests with the four 5/8" bolts and large washers. Adjust the rests for a distance of 1/16-inch from the surface of the grinding wheel.

Spark Breakers

Attach the spark breakers with the two 5/16" bolts and medium washers. Adjust the spark breaker for a distance of 1/16" from the surface of the grinding wheel. Spark Breakers should be installed perpendicular to the grinding wheel. If these are not installed properly, it is an OSHA violation. See picture on page 5.

Eyeshields

Select one of the eyeshields. Put its clamp into one of the spark breaker brackets. Adjust eyeshield to be located in the middle of wheel to protect operator from sparks.

Final Assembly

Fasten the grinder to the workbench, stand or cabinet. Two holes are provided in the base of the bench grinder so that suitable length bolts can be inserted to attach the grinder securely and prevent it from moving during operation.

BENCH MOUNTING

Mounting the grinder on a bench is required in order to prevent movement of the grinder when pressure is applied against a wheel. First, slide rubber feet on both sides and in the middle of the grinder base. Then drill 2 holes for 1/4" wood screws or bolts in the bench. Use 1/4" wood screws or bolts, and tighten down only enough to partially compress rubber feet (about 1/16"). The rubber feet will not be effective in absorbing vibration if fully compressed. When using 1/4" bolts, a second nut is required to lock against the first nut and keep grinder from loosening during operation. Never operate the grinder without the rubber feet attached to its base.

5001A and 5002A: Parts Breakdown and Operating Manual

OPERATION

A bench grinder is designed for hand grinding operations such as sharpening chisels or screwdrivers, grinding drills, removing excess metal from work, and smoothing metal surfaces. A medium grain abrasive grinding wheel is suitable for rough grinding where a considerable amount of metal has to be removed or where a smooth finish is not important. For sharpening tools or grinding to close limits of size, a fine grain wheel should be used as it removes metal slower and gives the work a smooth finish.

NOTE: Always use guards and eye shields. Always wear safety glasses when operating this grinder (user and bystanders).

1. Adjust the eyeshield
2. Check for a 1/16" clearance between the tool rests and the grinding wheels, and between the spark breakers and the grinding wheels. Adjust as needed. Always keep the tool rest adjusted so that it just clears the wheel and is at the same level or just below the center line of the wheel to prevent accidental jamming of work between the tool rest and the wheel.
3. Turn the grinder on and let it come up to speed.

CAUTION: When starting the grinder, turn it on and stand to one side until the grinder has come up to speed. There is always the possibility that a piece from a damaged grinding wheel may be thrown off when coming to full speed.

4. When grinding, always keep the work moving across the face of the wheel. Grinding against the same spot on the wheel will cause grooves to be worn into the face of the wheel.
5. When it is necessary to reshape the grinding wheels, use the proper tools. After reshaping, adjust the tool rests and spark breakers as needed to maintain the 1/16" clearance from the wheel.

is from 75 to 100 feet, 16 gauge wire is required throughout the extension.

NOTE: 16 gauge wire is heavier than 18 gauge and will carry current for longer distances without a voltage drop.

Use only three wire extension cords which have three prong grounding type plugs and three hole receptacles which accept the tools plug. Replace or repair damaged or worn cord immediately.

CHANGING THE GRINDING WHEEL

1. Unplug the bench grinder.
2. Remove the outer wheel guard cover screws and the wheel guard cover.
3. Hold the opposite wheel firmly. Remove the nut and flange.

Note: Turn the spindle nut on the right-hand side counter-clockwise to loosen. Turn the spindle nut on the left-hand side clockwise to loosen.

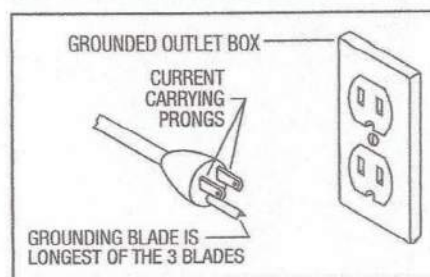
4. Remove the old wheel and replace it with the new one.
5. Assemble the flange and nut onto the spindle. Tighten the spindle nut just enough to hold the wheel firmly. If the nut is tightened too much, the wheel may be damaged.
6. Attach the wheel guard cover.
7. Turn the grinder on and let it come up to speed and idle for one minute.

TECHNICAL DATA

1. All ball bearing construction for long-lasting reliability.
2. Adjustable, shatterproof eyeshields, spark breakers and tool rest.
3. Accessories of eyeshields, spark breakers, and tool rests are included.

plug with the proper grounding type receptacle. The green (or green and yellow) conductor in the cord is the grounding wire. Never connect the green (or green and yellow) wire to a live terminal.

2. Permanently Connected Tools. The tool should be connected to a grounded metal enclosed wiring system or an equipment grounding conductor should be run with the circuit conductors and connected to the equipment grounding terminal or lead on the tool.



NEVER disassemble the tool or try to do any rewiring in the electric system. Any such repair should be performed only by a qualified service organization. Should you be determined to make a repair yourself, remember that the green colored wire is the "ground" wire. Never connect this green wire to a "live" terminal. If you replace the plug on the power cord, be sure to connect the green wire only to the ground (longest) prong on a 3 prong plug.

LIMITED WARRANTY:

SUNEX INTERNATIONAL, INC. WARRANTS TO ITS CUSTOMERS THAT THE COMPANY'S SUNEX TOOLS® BRANDED PRODUCTS ARE FREE FROM DEFECTS IN WORKMANSHIP AND MATERIALS.

Sunex International, Inc. will repair or replace its Sunex Tools® branded products which fail to give satisfactory service due to defective workmanship or materials, based upon the terms and conditions of the following described warranty plans attributed to that specific product. This product carries a ONE-YEAR warranty. During this warranty period, Sunex Tools® will repair or replace at our option any part or unit which proves to be defective in material or workmanship.

Other important warranty information

This warranty does not cover damage to equipment or tools arising from alteration, abuse, misuse, damage and does not cover any repairs or replacement made by anyone other than Sunex Tools® or its authorized warranty service centers. The foregoing obligation is Sunex Tools® sole liability under this or any implied warranty and under no circumstances shall we be liable for any incidental or consequential damages.

Note: Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. Return equipment or parts to Sunex Tools®, or an authorized warranty service center, transportation prepaid. Be certain to include your name and address, evidence of the purchase date, and description of the suspected defect.

If you have any questions about warranty service, please write to Sunex Tools®. This warranty gives you specific legal rights and you may also have other rights which vary from state to state. Repair kits and replacement parts are available for many of Sunex Tools® products regardless of whether or not the product is still covered by a warranty plan.

SHIPPING ADDRESS: Sunex Tools • 315 Hawkins Rd. • Travelers Rest, SC 29690

MAILING ADDRESS: Sunex Tools • P.O. Box 1233 • Travelers Rest, SC 29690

- Ideal for cable or hydraulic machines
- Heavy Duty cast case construction
- AWX standard/DAWX deep field aluminum coil designs
- 230 VDC Standard



TECHNICAL SPECIFICATIONS

AVERAGE LIFTING CAPACITY IN POUNDS*

Size (Dia.)	Cold Amps at 230 VDC	Required KW	Magnet Shipping Weight	Wire Size	Controller Size	#1 H. M.	#2 H. M.	Steel Turnings
34 AWX	18	4.2	1,150	#10	CDS	550	250-400	300
40 AWX	29	6.6	1,900	#8	RD-1W / MC-1A	900	400-600	325
45 DAWX	38	8.8	3,035	#8	RD-1W / MC-1A	1,800	570-1100	625
55 DAWX	53	12.2	3,950	#6	RD-1W / MC-1A	2,760	1650-1950	825
66 DAWX	82	18.8	6,460	#4	RD-1W / MC-1A	4,370	2600-3100	1,275
71 DAWX	99	22.7	8,290	#4	MC-1.5A	5,580	3450-4200	1,660
77 DAWX	119	27.3	10,365	#2	MC-1.5A	6,600	3900-4800	2,135
83 DAWX	149	34.2	15,340	#2	MC-2A	9,200	5350-6900	3,040
93 DAWX	173	39.8	18,800	#2	RD-3A	10,900	6400-8000	3,515

* Material descriptions are based on specifications for Iron & Steel Scrap, published by the Institute of Scrap & Steel, Washington, D.C. Capacities are based on tests under optimum conditions. Performance will vary with specific conditions.



Skid Steer Bracket
Mounting bracket option for skid steers features a traction grip to provide safe entry and exit for the operator



intact, allowing the use of a press-fit pin design for a stronger, more durable product and making jaw change-outs safe, easy and fast

- 2 360° rotation comes standard with every Versi Pro
- 3 The innovative bracket system accommodates a skid steer quick plate or a mini excavator lug plate change-over in 10 minutes
- 4 Electric over hydraulic system allows for jaw open or close and rotation with one hydraulic circuit
- 5 Proprietary regeneration valve improves cycle time by up to 33% compared to standard hydraulic systems
- 6 Jaw change-outs in 10 minutes with the coupler-style connection system

Shear Jaws

Patented pivot geometry creates peak power for piercing and cutting

Weld-on wear plate and piercing tip
Four-way indexable guide blades and primary blades provide four useable cutting edges



Cracker Jaws

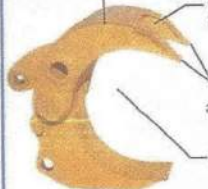
Patented pivot geometry creates peak power when jaws are fully open, where it's most needed to crush concrete



Open relief design allows concrete to pass through lower jaw

Grapple Jaws

Recessed welds are protected from wear, increasing grapple life



Boxed-tine construction creates a very high strength and lightweight grapple – each tine will withstand the full breakout force of the carrier

Replaceable line tips are abrasion-resistant
Inside radius matches that of a 55-gallon barrel

Wire Cutter Jaws

Bolt-on interchangeable cutting blades can be sharpened and are easily replaced

Curved jaw design gathers material deeper into the jaw for maximum cutting power
Unique self-tensioning pivot group maintains optimal blade clearance
For non-ferrous wire only



Model	Weight*	Jaw Opening	Jaw Depth	Reach**	Minimum Excavator Wt.	Minimum Excavator Wt.	Minimum Skid Steer Wt.
	(lbs.)	(ins.)	(ins.)	w/Jaws Installed (ft. ins.)	Boom Mount (lbs.)	Stick Mount (lbs.)	(lbs.)
Shear Jaws	1,375	11.5	11.5	5' 6"	12,000	16,000	7,000
Cracker Jaws	1,385	14.5	13	5' 8"	12,000	16,000	7,000
Grapple Jaws	1,420	32	15.5	5' 11"	12,000	16,000	7,000
Wire Cutter Jaws	1,245	10.5	11.5	5' 9"	12,000	16,000	7,000

*Weight includes mounting bracket to attach to excavator.

**Distance is measured from the attachment mounting pivot (boom or stick) forward.

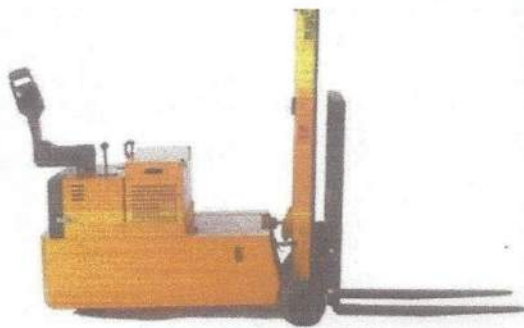
The stability of each lift class varies between OEM skid steer and mini excavator models. Please consult with your Genesis salesperson for recommended carrier models. Control packages are available for carriers less equipped.

Patents: genesisattachments.com/products/patents



1000 Genesis Drive, Superior, WI 54880

888-SHEAR-IT (743-2748) – Tel: 715.395.5252 – genesisattachments.com



Model #	Capacity at 24" Load Center	Lift Height	Col Height	² Ext Height	Free Lift Height	Overall Width	Power Head Length	³ Turn Radius	CL LOAD WHEEL TO CL DRIVE WHEEL WB	Battery 24V	Charger 24V	Ship Weight
		A	B	C		D	E	F				
PDC 15 Series												
PDC-15-60	1500	60	77	80	57	36	55.1	47.7	37.1	200 AH (588 lbs.)	40 Amp (60 lbs)	2895
PDC-15-106	1500	106	71	12	12	36	55.1	47.7	37.1			3130
PDC-15-130	1500 ¹	130	83	147	12	36	55.1	47.7	37.1			3200
PDC-30-154	1500 ¹	154	95	171	12	36	55.1	47.7	37.1			3270
PDC 20A Series												
PDC-20A-60	2000	60	77	80	57	36	55.1	47.7	37.1	200 AH (588 lbs.)	40 Amp (60 lbs)	3740
PDC-20A-106	2000	106	71	12	12	36	55.1	47.7	37.1			3750
PDC-20A-130	2000	130	83	147	12	36	55.1	47.7	37.1			3795
PDC-20A-154	2000	154	95	171	12	36	55.1	47.7	37.1			3800
PDC-20A-168	2000	168	102	185	12	36	55.1	47.7	37.1			3850
PDC 20 Series												
PDC-20-60	2000	60	77	80	57	36	61.4	53.8	43.3	200 AH (588 lbs.)	40 Amp (60 lbs)	3740
PDC-20-106	2000	106	71	12	12	36	61.4	53.8	43.3			3750
PDC-20-130	2000	130	83	147	12	36	61.4	53.8	43.3			3800
PDC-20-154	2000	154	95	171	12	36	61.4	53.8	43.3			3900
PDC-20-168	2000	168	102	185	12	36	61.4	53.8	43.3			3975
PDC 20 Series Tri-Mast												
PDC-20-158	2000	158	71	178	51	36	61.5	53.8	43.3	200 AH (588 lbs.)	40 Amp (60 lbs)	4025
PDC-20-194	2000 ¹	194	83	214	63	36	61.5	53.8	43.3			4280
PDC 25 Series												
PDC-25-60	2500	60	77	80	57	36	61.4	53.8	43.3	340 AH (721 lbs.)	40 Amp (60 lbs)	3870
PDC-25-106	2500	106	71	12	12	36	61.4	53.8	43.3			4315
PDC-25-130	2500	130	83	147	12	36	61.4	53.8	43.3			4420
PDC-25-154	2500	154	95	171	12	36	61.4	53.8	43.3			4600
PDC-25-168	2500	168	102	185	12	36	61.4	53.8	43.3			4675
PDC 25 Series Tri-Mast												
PDC-25-158	2500	158	71	178	51	36	61.5	53.8	43.3	340 AH (721 lbs.)	40 Amp (60 lbs)	4760
PDC-25-194	2500 ¹	194	83	214	63	36	61.5	53.8	43.3			4890
PDC 30 Series												
PDC-30-60	3000	60	77	80	57	36	67.4	59.8	49.3	340 AH (721 lbs.)	40 Amp (60 lbs)	7025
PDC-30-106	3000	106	71	12	12	36	67.4	59.8	49.3			4370
PDC-30-130	3000	130	83	147	12	36	67.4	59.8	49.3			4675
PDC-30-154	3000	154	95	171	12	36	67.4	59.8	49.3			4703
PDC-30-168	3000	168	102	185	12	36	67.4	59.8	49.3			4780
PDC 30 Series Tri-Mast												
PDC-30-158	3000	158	71	178	51	36	67.5	59.8	49.3	340 AH (721 lbs.)	75 Amp (90 lbs)	4780
PDC-30-194	3000 ¹	194	83	214	63	36	67.5	59.8	49.3			4910

¹ For derate consult factory

² Add 31" for 48" tall load backrest

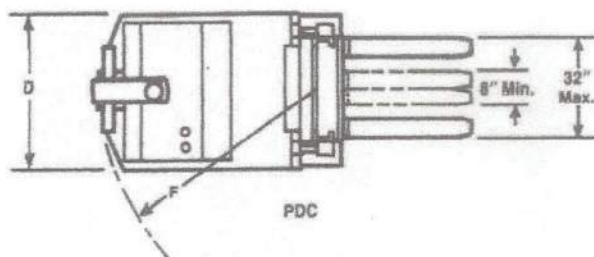
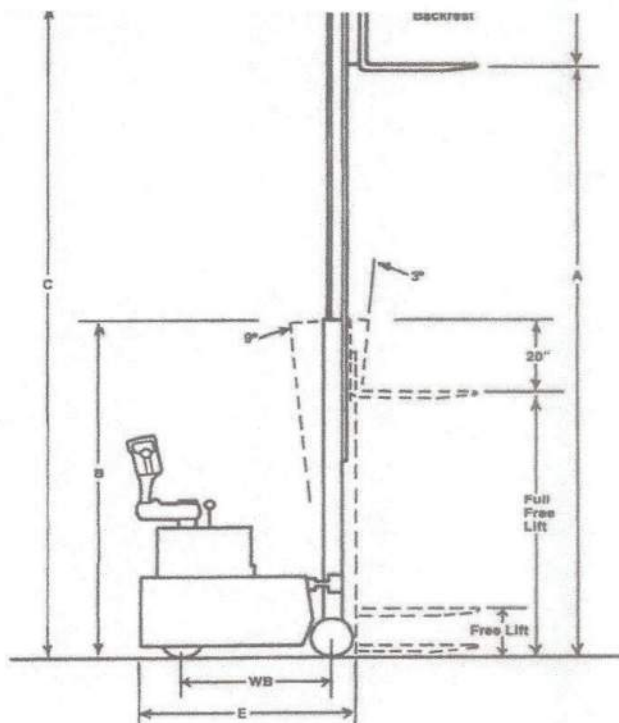
³ Length to face of forks

Certification

All units are built to be in compliance with the Occupational Safety & Health Act (OSHA)

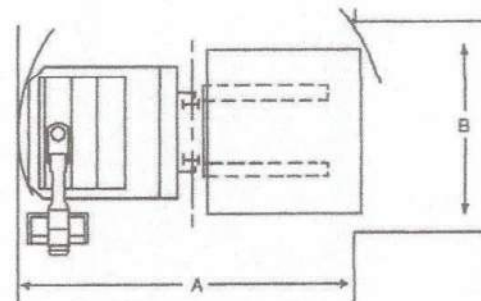
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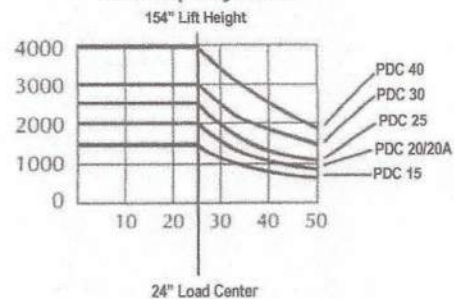


Model Number	Truck Length	Load Size					
		36" x 36"		42" x 42"		48" x 48"	
		B	A	B	A	B	A
PDC-15	55"	42"	92"	48"	98"	54"	104"
PDC-20A	61"	42"	98"	48"	104"	54"	110"
PDC-20	61"	42"	98"	48"	104"	54"	110"
PDC-25	67"	42"	104"	48"	110"	54"	116"
PDC-30	67"	42"	110"	48"	116"	54"	122"
PDC-40	73"	42"	116"	48"	122"	54"	128"

- Aisle dimensions listed have zero clearance
- Add 12" for ease of use



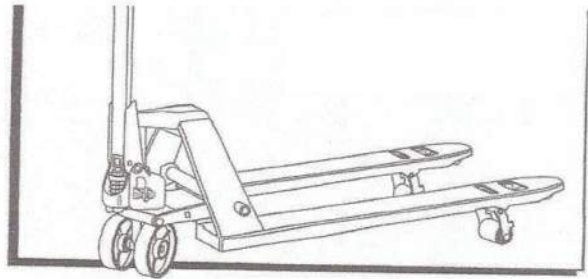
Load Capacity Chart



Model #	Capacity at 24" Load Center	Lift Height	Col Height	² Ext Height	Free Lift Height	Overall Width	Power Head Length	Turn Radius	CL LOAD WHEEL TO CL DRIVE WHEEL WB	Battery 24V	Charger 24V	Ship Weight
PDC 40 Series												
PDC-40-60	4000	60	77.5	80	57	36	73.3	65.7	55.3	510 AH (1042 lbs.)	75 Amp (90 lbs)	5238
PDC-40-106	4000	106	71.5	12	12	36	73.3	65.7	55.3			5688
PDC-40-130	4000	130	83.5	147	12	36	73.3	65.7	55.3			5808
PDC-40-154	4000	154	95.5	171	12	36	73.3	65.7	55.3			5928
PDC-40-168	4000	168	102.5	185	12	36	73.3	65.7	55.3			6048
PDC 40 Series Tri-Mast												
PDC-40-158	4000	158	71.5	178	51	36	73.5	65.7	55.3	510 AH	75 Amp	5980
PDC-40-1941	4000	194	83.5	214	63	36	73.5	65.7	55.3	(1042 lbs.)	(90 lbs)	6100

¹ For derate consult factory

² Add 31" for load backrest



TECHNICAL DATA

STANDARD

MODEL	H-1043	H-1193	H-4803	H-1484	H-1366	H-4122	H-4804	H-1779	H-2640	H-4123
Capacity	5,500 lbs.	5,500 lbs.	5,500 lbs.	5,500 lbs.	5,500 lbs.	4,400 lbs.	5,500 lbs.	3,300 lbs.	3,300 lbs.	5,500 lbs.
Max. Fork Height	7.5"	7.5"	7.5"	7.5"	7.5"	7.5"	7.5"	7.5"	7.5"	7.5"
Min. Fork Height	3.0"	3.0"	3.0"	3.0"	3.0"	3.0"	3.0"	3.0"	3.0"	3.0"
Fork Length	48"	48"	42"	36"	36"	36"	60"	72"	72"	96"
Overall Fork Width	27"	21"	27"	27"	21"	16"	27"	27"	21"	27"
Fork Wheel Diam. (Polyurethane)	3"	3"	3"	3"	3"	2.75"	3"	3"	3"	3"
Steering Wheel Diam. (Polyurethane)	7"	7"	7"	7"	7"	6.25"	7"	7"	7"	7"
Net Weight	153 lbs.	137 lbs.	149 lbs.	136 lbs.	130 lbs.	127 lbs.	210 lbs.	205 lbs.	200 lbs.	276 lbs.

LOW PROFILE

MODEL	H-1365	H-1780	H-1781
Capacity	3,300 lbs.	3,300 lbs.	3,300 lbs.
Max. Fork Height	5.6"	5.6"	5.6"
Min. Fork Height	2.0"	2.0"	2.0"
Fork Length	48"	48"	48"
Overall Fork Width	27"	21"	33"
Fork Wheel Diam. (Steel)	2"	2"	2"
Steering Wheel Diam. (Polyurethane)	6"	6"	6"
Net Weight	182 lbs.	173 lbs.	212 lbs.

by Triner Scale

SPECIFICATIONS

General

- Quick, easy setup
- High accuracy
- Heavy duty steel construction
- Diamond steel deck plate
- Durable powder coated finish
- Height adjustable precision ball & cup leveling feet
- Top access to leveling feet for easy adjustment
- Top access junction box

Technical

- Four premium alloy steel nickel plated loadcells
- NTEP approved *
- Loadcells are watertight for wet environments
- Loadcell capacity is 2 times the scale capacity
- Built in overload protection
- Nema 4x watertight junction box
- Shipping weight:
4' x 4' = 315 lb
5' x 5' = 450 lb
4' x 6' = 435 lb
4' x 8' = 800 lb
5' x 7' = 905 lb

Dimensions & Capacities

Deck Size	Capacity	Model #
4' x 4' x 4.5"	5,000 lb	TSM5-44
4' x 4' x 4.5"	10,000 lb	TSM10-44
5' x 5' x 4.5"	5,000 lb	TSM5-55
5' x 5' x 4.5"	10,000 lb	TSM10-55
4' x 6' x 4.5"	5,000 lb	TSM5-46
4' x 6' x 4.5"	10,000 lb	TSM10-46
4' x 8' x 4.5"	5,000 lb	TSM5-48
4' x 8' x 4.5"	10,000 lb	TSM10-48
5' x 7' x 4.5"	5,000 lb	TSM5-57
5' x 7' x 4.5"	10,000 lb	TSM10-57

Includes

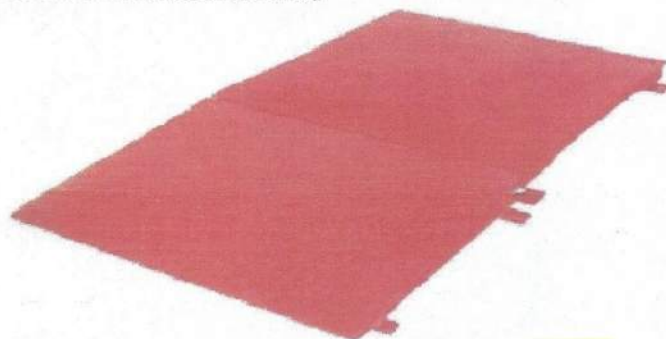
- Pre-wired Junction Box
- 20 ft. Homerun Cable
- Setup Instructions

CONFIGURATIONS

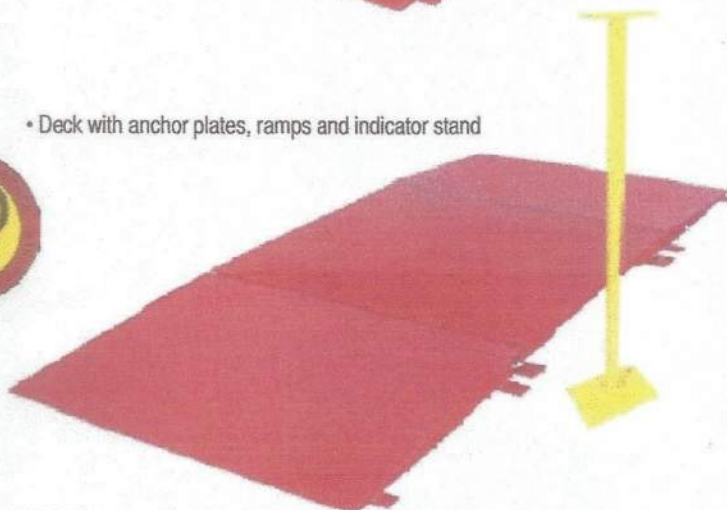
- Deck alone



- Deck with anchor plates and front ramp



- Deck with anchor plates, ramps and indicator stand



OPTIONS

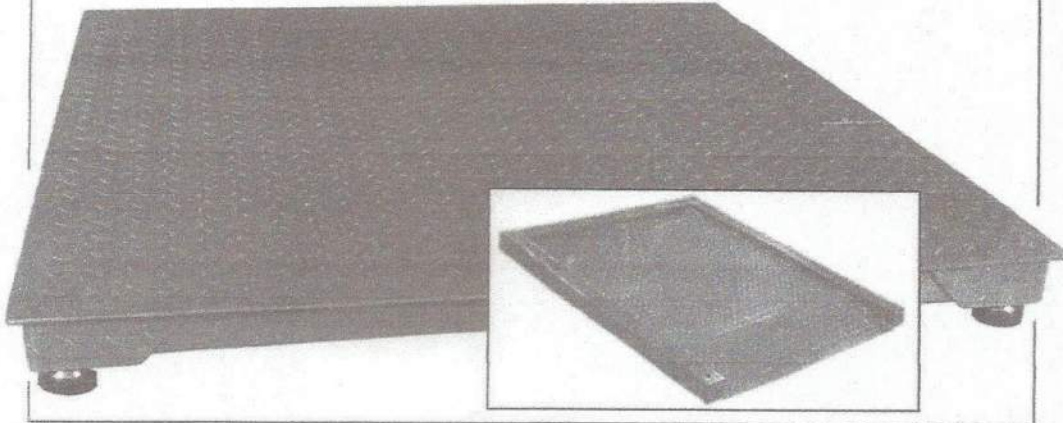
- Ramps
- Anchor plates
- Surround guards
- Floor mount indicator stand



Triner Scale and Manufacturing Company, Inc.
Toll Free: (800) 238-0152
Tel: (662) 890-2385 Fax: (662) 890-2386
www.trinerscale.com

Set Up Guide

TSM Series Low Profile Floor Scales & Drum Scales



Guide for setting up Triner TSM Low Profile Scale Platforms
and connecting to any of the following digital indicators:

TS-700 MS



TS-700 SS



7600E

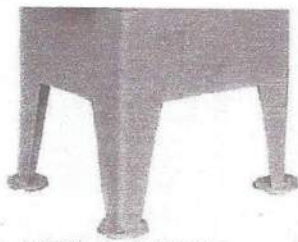


NOTICE: DIGITAL INDICATOR SHIPS SEPARATELY FROM WEIGHING PLATFORM



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210 WEST NORTH 4TH ROAD, CINCINNATI, OHIO 45219
PHONE AREA CODE 513-561-1825



MODEL 1 - 8 SHEAR



MODEL 1 1/2 - 18 SHEAR

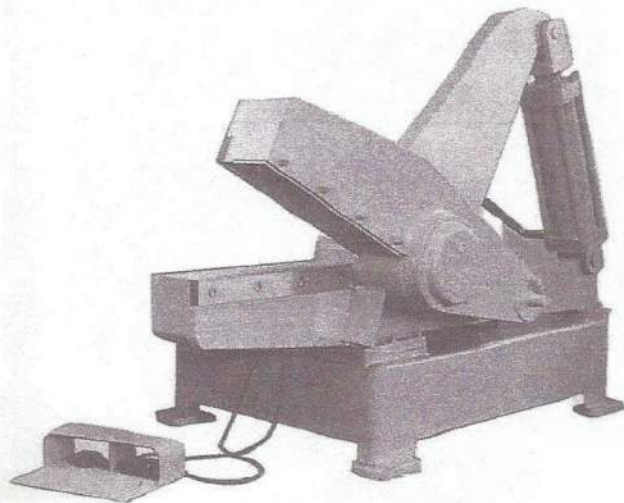


MODEL 2 1/2 - 24 SHEAR

MODEL SHEAR	BLADE LENGTH	SHEARING FORCE AT THROAT IN LBS.	MOTOR SIZE	FLOOR SPACE	DOMESTIC SHIPPING WEIGHT
1 - 8	8"	50,000	3 HP	24 x 40	750 lbs.
1 1/2 - 8	8"	110,000	7 1/2 HP 10 HP	36 x 58	1,800 lbs.
1 1/2 - 18*	18"	110,000	7 1/2 HP 10 HP	36 x 68	2,000 lbs.
2 1/2 - 12	12"	200,000	15 HP 20 HP	52 x 80	5,200 lbs.
2 1/2 - 24	24"	200,000	15 HP 20 HP	52 x 92	6,500 lbs.
3 1/2 - 20	20"	630,000	Std. 20 HP HS 30 HP	72 x 104	10,400 lbs.
3 1/2 - 36	36"	525,000	Std. 20 HP HS 30 HP	72 x 120	11,200 lbs.



MODEL 3 1/2 - 20 SHEAR





Model					SSV65		SSV75	
Type of operator station					Open CAB / Closed CAB		Open CAB / Closed CAB	
Engine	Model				V2607-CR-TE4		V3307-CR-TE4	
	Emission certification				Tier 4		Tier 4	
	Gross HP (SAE J1995)				64.0 (47.7) / 2700		74.3 (55.4) / 2600	
	Net HP (SAE J1349)				61.3 (45.7) / 2700		71.6 (53.4) / 2600	
	Displacement				159.7 (2615)		203.3 (3331)	
	Cylinders				4		4	
	Bore Stroke				3.5 (87) x 4.4 (110)		3.8 (94) x 4.8 (120)	
Aspiration					Turbocharged		Turbocharged	
Loader performance	Rated operating capacity-50% tipping load				1950 (885)		2690 (1220)	
	Tipping load				3900 (1770)		5380 (2440)	
	Breakout force		Bucket	lbf. (kgf)	4839 (2195)		5884 (2669)	
			Lift arm	lbf. (kgf)	3858 (1750)		4850 (2200)	
	Lift arm path				Vertical		Vertical	
Power train	Standard tire size				10-16.5-8PR		12-16.5-10PR	
	Chain size ASA#				80		100	
	Travel speed		Low	mph (km/h)	6.9 (11.1)		7.4 (11.9)	
			High	mph (km/h)	11.1 (17.8)		11.8 (19.0)	
	Traction force				7339 (3329)		8494 (3853)	
	Ground clearance				7.6 (193)		8.1 (207)	
Hydraulic system	Loader hydraulic flow				18.0 (68.0)		20.9 (79.0)	
	Loader hydraulic pressure				3271 (230)		3271 (230)	
	Aux. hydraulic flow		Standard	gpm (l/min.)	18.0 (68.0)		20.9 (79.0)	
			High	gpm (l/min.)	28.0 (106.0)		30.4 (115.0)	
Service refill capacities	Hydraulic tank				4.2 (16.0)		4.2 (16.0)	
	Fuel tank				25.4 (96.0)		26.9 (102.0)	
Operating weight (Include operator weight 165 lbs.)					6790 (3080) / 7055 (3200)		8157 (3700) / 8422 (3820)	

SSV65 / SSV75

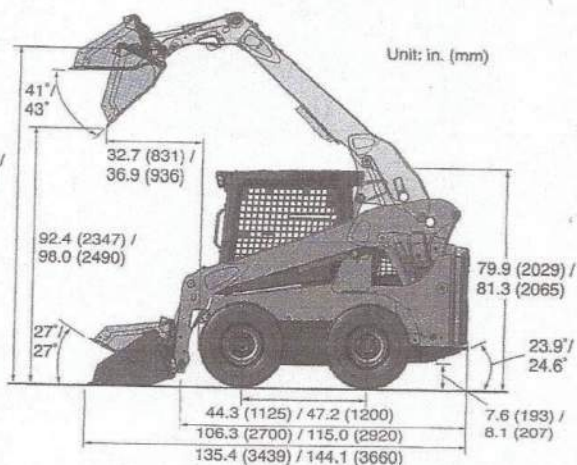
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69.0 (1753) /
75.0 (1905)

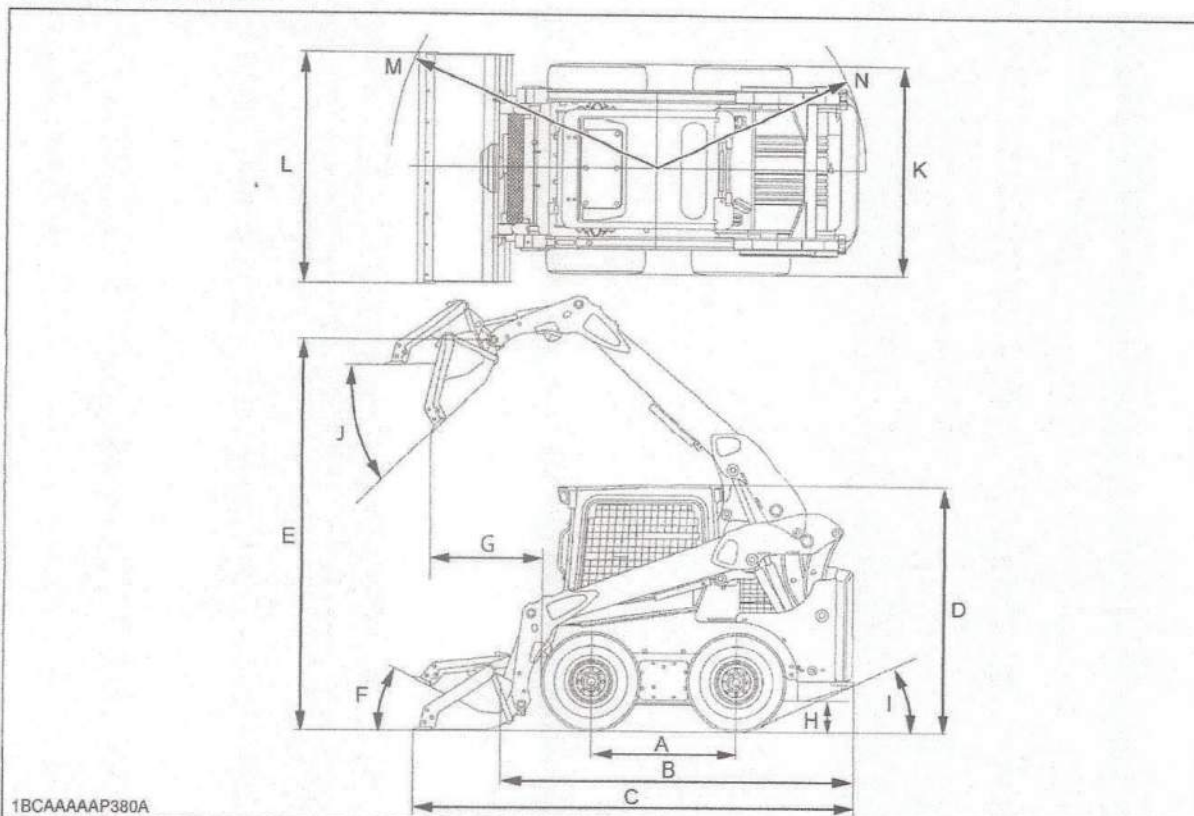
53.7 (1364) / 56.5 (1435)

121.5 (3085) /
128.3 (3258)

66.5 (1689) /
71.8 (1823)



MAIN DIMENSIONS



Model			SSV65	SSV75
A	Length of tire on ground	mm (in.)	1125 (44.3)	1200 (47.2)
B	Length w/o bucket	mm (in.)	2700 (106.3)	2920 (115.0)
C	Length w/bucket on ground	mm (in.)	3439 (135.4)	3660 (144.1)
D	Height to top of cab	mm (in.)	2029 (79.9)	2065 (81.3)
E	Bucket hinge pin height at max. lift	mm (in.)	3085 (121.5)	3258 (128.3)
F	Rollback angle at carry position	degree	27	27
G	Reach at max. lift and dump	mm (in.)	831 (32.7)	936 (36.9)
H	Ground clearance	mm (in.)	193 (7.6)	207 (8.1)
I	Departure angle	degree	23.9	24.6
J	Max. dump angle	degree	41	43
K	Vehicle width	mm (in.)	1689 (66.5)	1823 (71.8)
L	Width with bucket	mm (in.)	1753 (69.0)	1905 (75.0)
M	Turning radius from center-machine front w/bucket	mm (in.)	2345 (92.3)	2503 (98.5)
N	Turning radius from center-machine rear	mm (in.)	1364 (53.7)	1435 (56.5)

NOTE :

- Above dimensions are based on the machine with KUBOTA standard bucket.
- Above dimensions are based on the machine with KUBOTA standard tire.
- Specifications subject to change without notice.

SPECIFICATIONS

MODEL	(1) EXCAVATOR WEIGHT APPROX 2nd Member		(1) EXCAVATOR WEIGHT APPROX 3rd Member		(2) ATTACHMENT WEIGHT APPROX		SHEAR OPENING		SHEAR DEPTH		(3) REACH	
	(lbs)	(m tons)	(lbs)	(m tons)	(lbs)	(kg)	(in)	(mm)	(in)	(mm)	(ft-in)	(m)
MSD 7	6,000	3	12,000	5	950	431	10	254	11	279	4'-7"	1.4
MSD 7R	7,500	3	15,000	7	1,100	499	10	254	11	279	5'-0"	1.5

(1) Excavator weight recommendation is based on standard excavator weights and boom and/or arm lengths. All applications must be approved by Stanley LaBounty prior to sale.

(2) Attachment weight can vary depending upon mounting bracket, appropriate cylinder required to maximize base machine operating pressures, and any options installed on the shear.

(3) Typical reach of bottom and back bracket is listed. Reach can vary depending upon the bracket needed for the base machine. Total reach may be substantially increased by mounting the attachment to the stick and bucket linkage of a large base machine. Stanley LaBounty sales staff are available to assist in reach/base machine sizing.

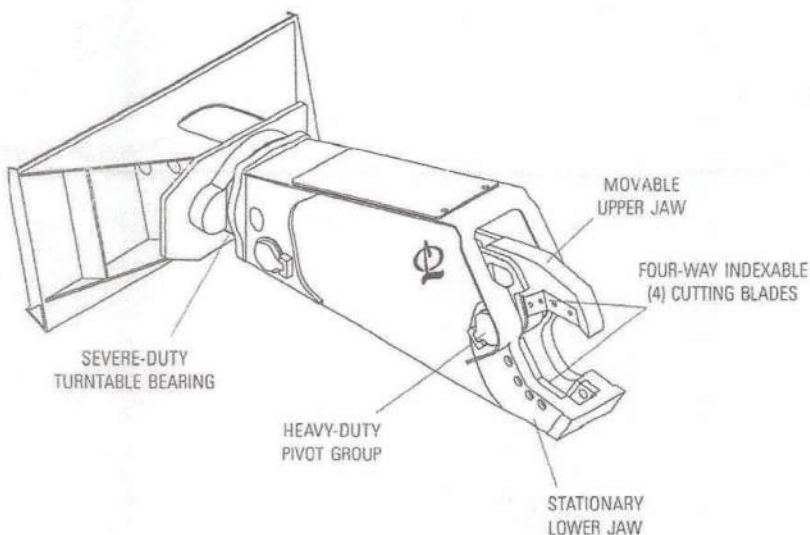
NOTE: Weights, dimensions and operating specifications listed on this sheet are subject to change without notice. Where specifications are critical to your application, please consult Stanley LaBounty.

LaBounty MSD7 and MSD7R (R indicates rotating model) Mobile Shears are ideal for ferrous and non-ferrous scrap applications. The MSD7/MSD7R will easily H- and I-beams, plate, rebar, pipe, round stock, wire and concrete. The primary applications for the MSD7 and MSD7R include both ferrous, and non-ferrous scrap yards and demolition applications where maneuvering into tight areas is required.

MSD Mobile Shears Feature four-way indexable blades, replaceable wear parts for easy maintenance, and a patented design offering maximum cutting strength and reach with minimal weight. MSD Rotating Mobile Shears feature 360° continuous rotation and a severe-duty turntable bearing.

Built to Last, LaBounty Mobile Shears are manufactured in the U.S.A. using abrasion-resistant, high-strength alloy steel for minimum weight and maximum durability and reach.

MSD7R Mobile Shear Components (with skid-steer bracket shown)



SAFETY FIRST! Please read, observe and follow the safety precautions found in the LaBounty Safety, Operation & Maintenance Manual shipped with your attachment.

STANLEY

LaBounty

- Bolt-in Replaceable Guide Blade
- Weld-in Replaceable Piercing Tip
- At-Factory Upgrade and Rebuilding Services
- Selector Valve which supplies oil to the rotator
- Mini-Excavator/Skid-Steer Adapter Bracket

MSD7 / MSD7R Appetite (Mild Steel and Concrete)

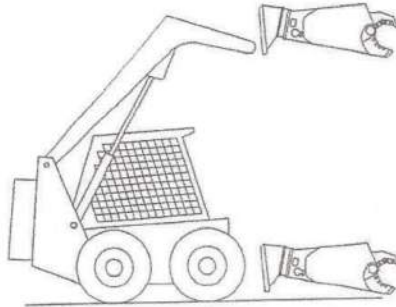
The appetite data in the chart below are typical. Please contact Stanley LaBounty for any other appetite or application questions.

I-BEAM	PLATE	SOLID ROUND	PIPE	CONCRETE
7 in. (178 mm)	1/4 in. (6.4 mm)	1.25 in. (32 mm)	5 in. (127 mm)	8 in. (203 mm)

MSD Shear Operation (Rotating Model Shown)

Mobile Shear controls will vary with the type of base machine on which the shear is mounted and depending on whether it is mounted as a second or third member.

SECOND MEMBER SKID-STEER MOUNT



replace only those parts which prove to have been defective at the time of purchase.

Ask your Stanley LaBounty dealer to explain this warranty in detail.

Stanley LaBounty offers several cylinder sizes to optimize the performance of the MSD7R Mobile Shear. Recommended pressure and flow ranges are as follows:

FUNCTION	PRESSURE	FLOW
OPEN AND CLOSE	3601 - 4350 psi (248 - 300 bar)	13 - 22 gpm (49 - 83 lpm)
	3001 - 3600 psi (207 - 248 bar)	14 - 24 gpm (53 - 91 lpm)
	2000 - 3000 psi (138 - 207 bar)	17 - 29 gpm (64 - 110 lpm)
ROTATION	1350 - 2000 psi (92 - 138 bar)	4 - 6 gpm (15 - 22 lpm)

For skid-steer mounting, typically the rear auxiliary hydraulic circuit is used to operate the open and close function of the jaws. An optional selector valve can be ordered from Stanley LaBounty to supply oil to the shear's rotator. For mini-excavator mounting or rubber-tire backhoe loaders, please consult Stanley LaBounty for proper hydraulic recommendations.

Stanley LaBounty

1538 Highway 2

Two Harbors, MN 55616 USA

Tel: (218) 834-2123 Fax: (218) 834-3879

STANLEY

LaBounty

THE HARRIS PRODUCTS GROUP

Model 85

Description: Classic Torch Handle

The Model 85 is designed for welding, heating and cutting with oxy-acetylene but can be adapted to alternate fuels with the proper accessories.



Cuts to 3"

Welds to 1/2"

Model 85

DETAILS

Features:

- Silver brazed twin tube construction for safety and durability
- Equipped with Flash Guard® check valves
- Capacity: cuts 5", welds to 1/2"
- Length: 8 1/2", Weight: 1 lb.

Part Number	Model Number	Tip Seat Style	Torch Type	Length	Weight	Cutting Tip	Brazing Tip	Series	Accessories
1401340	85	Harris	Handle	8 1/2"	1 lbs	6290	23-A-90, 1390	85	D-85, 72-3, 39-3, 8593, 6290, 23-A-90, 1390, 1390-HA, J-63-1 & 2

TECHNICAL

Part Number	Fuel Gas	Certifications	Mixer	Cutting Attachment	Inlet
1401340	Oxy-acetylene/Hydrogen Oxy-natural Gas/Methane Oxy-propane/Butane Oxy-propylene	UL	D-85	72-3, 39-3F	"B" 9/16" - 18 RL



4501 Quality Place | Mason, Ohio 45040, USA | 513.754.2000 | ©2019 Harris Products Group. All rights reserved.

<https://www.harrisproductsgroup>

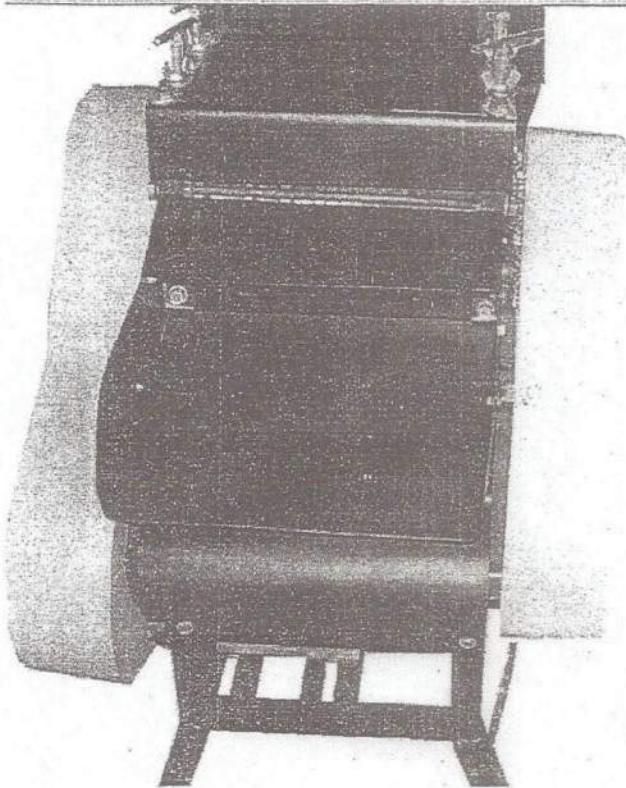
Multi-Fuel Burning Appliance			
Model Number	Model EL-140H	Model EL-200H	Model EL-340H
Bonnet Capacity Output BTU	112,000 BTU	160,000 BTU	275,000 BTU
Fuel Input	1.0 GPH	1.4 GPH	2.25 GPH
Nozzle Only	No. 30609-5	No. 30609-5	No. 30609-11 or 30609-28
Fuels	ASTM D396 No. 2 oil fuel, Used Crankcase Oil, and Used Automatic Transmission fluid	ASTM D396 No. 2 oil fuel, Used Crankcase Oil, and Used Automatic Transmission fluid	ASTM D396 No. 2 oil fuel, Used Crankcase Oil, and Used Automatic Transmission fluid
Designed Outlet Air Temperature	250°F Maximum	250°F Maximum	250°F Maximum
Flue Draft	-0.05" WC	-0.05" WC	-0.05" WC
Atomizing Air Pressure	9-11 PSI	9-11 PSI	9-11 PSI
Blower Size	9" X 9"	10" X 10"	10" X 10"
Unit Heater or Ductable	0.28" WC Maximum External Static Pressure	0.28" WC Maximum External Static Pressure	0.28" WC Maximum External Static Pressure
Maximum Fuse Size	25A	25A	25A
Blower Motor	1/3 HP, 115V/60Hz, 6.1A	1/2 HP, 115V/60Hz, 8.1A	3/4 HP, 115V/60Hz, 10.8A
Burner Motor	1/5 HP, 115V/60Hz, 3.3A	1/5 HP, 115V/60Hz, 3.3A	1/4 HP, 115V/60Hz, 4.3A
Metering Pump Motor	15Watt, 115V/60Hz, 0.35A	15Watt, 115V/60Hz, 0.35A	15Watt, 115V/60Hz, 0.35A
Ignition Transformer & Control Circuit	115V/60Hz, 2.0A	115V/60Hz, 2.0A	115V/60Hz, 2.0A
Oil Preheaters	115V/60Hz, 2.0A Maximum	115V/60Hz, 2.5A Maximum	115V/60Hz, 3.0A Maximum
Minimum Clearance to Combustible Surfaces	Top - 6" Front - 24" Sides - 6" Rear - 6" Flue Pipe - 18" Bottom - 6" Warm air duct within 3' of furnace (when ducted) - 6"	Top - 6" Front - 24" Sides - 6" Rear - 6" Flue Pipe - 18" Bottom - 6" Warm air duct within 3' of furnace (when ducted) - 6"	Top - 6" Front - 24" Sides - 6" Rear - 6" Flue Pipe - 18" Bottom - 6" Warm air duct within 3' of furnace (when ducted) - 6"
For commercial and industrial use only.			
The Unit may be suspended from the ceiling.			
Normal continuous sound level: 77dBA			

Call 1-615-471-5290 for Technical Support

energylogic

918-28C Scrap Wire Stripping Machine

READ BEFORE MACHINE USE



II. SPECIFICATIONS:

- Power supply: 110V 50-60Hz 2.2Kw 220V/50HZ
- Wire Range: .078" - 1-3/4" (2mm-45mm)
- 8 Channels of Cutters
- Combined Gear and Belt Driven Function
- Shipping Weight: 250lb
- Carton Size: 24" x 24" x 35"

Basically there are 2 sets of cutter/rollers. It's made to cut the tops and bottoms of larger wires and the bottoms only on smaller wire. The spring loaded mechanism on the top allows you to adjust the tension of the cutters depending on what wire or jacket size you are cutting. You can cut two wires at once if you want. Also .078" is approximately 13 AWG.

Appendix H

ABOVE GROUND PETROLEUM & FLUIDS STORAGE

GREATER WASTE SOLUTIONS, LLC: 426 Fitchburg Road, Greenville, NH 03048 yard 603-878-1170 office 603-878-4108

LOCATION	TANK					SAFE FILL				MAX VOLUME (gal.)
	TYPE	ID	PURPOSE	PRODUCT	HAZARD ID: (NFPA 30)	High Level Alarm	Safe Fill Vol./Ht.	Secondary Containment	Other Controls / Notes	
A	275 gal. metal tank	A	Heating, on-premise	#2 Fuel Oil	1993, PG III	Whistle	256 gal.	n/a inside building	spill kit	275
B	275 gal. metal tank	B	Heating, on-premise	Used Oil for Recycle/ #2 Fuel Oil	1993, PG III	Whistle	256 gal.	n/a inside building	spill kit, may contain #2 fuel oil and/or used oil for recycle	275
C	55 gal. plastic drum	C	Heating, on-premise	Used Oil for Recycle	1993, PG III	Drum gauge	51 gal.	double walled	spill kit, hand filled / transferred	55
D	55 gal. plastic drum	D	Heating, on-premise	Used Oil for Recycle	1993, PG III	Drum gauge	51 gal.	double walled	spill kit, hand filled / transferred	55
Total capacity for stored heating oil used solely for heating on-premise:										660
E	120 gal. metal tank	E	Heating, on-premise	Propane	1075, PG II	Spitter Valve	96 gal.	not required		96
F	23 gal. metal tank	F	Cooking, on-premise	Propane	1075, PG II	Spitter Valve	18 gal.	not required		18
Total capacity for stored liquid that is a gas at atmospheric temperature and pressure, such as propane:										114
G	550 gal. metal tank	G	Off Road Equipment	#3 Dyed Diesel	1993, PG III	Whistle	510 gal.	yes, covered	fuel transfer kit, stat mat, spill kit	550
Total capacity for non-heating oil/stored propane:										550

Location Key:

A	Metal Processing Building, Inside (Front)
B	Metal Processing Building, Inside (Rear)
C	Metal Processing Building, Inside (Rear)
D	Residential DIY Used Oil Collection Area, (Covered Container)
E	Security Trailer, Outside (Side)
F	Security Trailer, Outside (Side)
G	Metal Processing Building, Outside (Rear)

Appendix I

Stormwater Construction Site Inspection Report

General Information			
Project Name			
NPDES Tracking No.		Location	
Date of Inspection		Start/End Time	
Inspector's Name(s)			
Inspector's Title(s)			
Inspector's Contact Information			
Inspector's Qualifications			
Describe present phase of construction			
Type of Inspection: <input type="checkbox"/> Regular <input type="checkbox"/> Pre-storm event <input type="checkbox"/> During storm event <input type="checkbox"/> Post-storm event			
Weather Information			
Has there been a storm event since the last inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, provide: Storm Start Date & Time: Storm Duration (hrs): Approximate Amount of Precipitation (in):			
Weather at time of this inspection? <input type="checkbox"/> Clear <input type="checkbox"/> Cloudy <input type="checkbox"/> Rain <input type="checkbox"/> Sleet <input type="checkbox"/> Fog <input type="checkbox"/> Snowing <input type="checkbox"/> High Winds <input type="checkbox"/> Other: Temperature:			
Have any discharges occurred since the last inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe:			
Are there any discharges at the time of inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe:			

Site-specific BMPs

- Number the structural and non-structural BMPs identified in your SWPPP on your site map and list them below (add as many BMPs as necessary). Carry a copy of the numbered site map with you during your inspections. This list will ensure that you are inspecting all required BMPs at your site.
- Describe corrective actions initiated, date completed, and note the person that completed the work in the Corrective Action Log.

	BMP	BMP Installed?	BMP Maintenance Required?	Corrective Action Needed and Notes
1		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
2		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
3		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
4		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
5		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
6		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
7		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
8		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
9		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
10		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
11		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	

	BMP	BMP Installed?	BMP Maintenance Required?	Corrective Action Needed and Notes
12		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
13		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
14		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
15		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
16		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
17		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
18		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
19		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
20		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Overall Site Issues

Below are some general site issues that should be assessed during inspections. Customize this list as needed for conditions at your site.

	BMP/activity	Implemented?	Maintenance Required?	Corrective Action Needed and Notes
1	Are all slopes and disturbed areas not actively being worked properly stabilized?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
2	Are natural resource areas (e.g., streams, wetlands, mature trees, etc.) protected with barriers or similar BMPs?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
3	Are perimeter controls and sediment barriers adequately installed (keyed into substrate) and maintained?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
4	Are discharge points and receiving waters free of any sediment deposits?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
5	Are storm drain inlets properly protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
6	Is the construction exit preventing sediment from being tracked into the street?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
7	Is trash/litter from work areas collected and placed in covered dumpsters?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
8	Are washout facilities (e.g., paint, stucco, concrete) available, clearly marked, and maintained?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	

	BMP/activity	Implemented?	Maintenance Required?	Corrective Action Needed and Notes
9	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
10	Are materials that are potential stormwater contaminants stored inside or under cover?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
11	Are non-stormwater discharges (e.g., wash water, dewatering) properly controlled?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
12	(Other)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Non-Compliance

Describe any incidents of non-compliance not described above:

CERTIFICATION STATEMENT

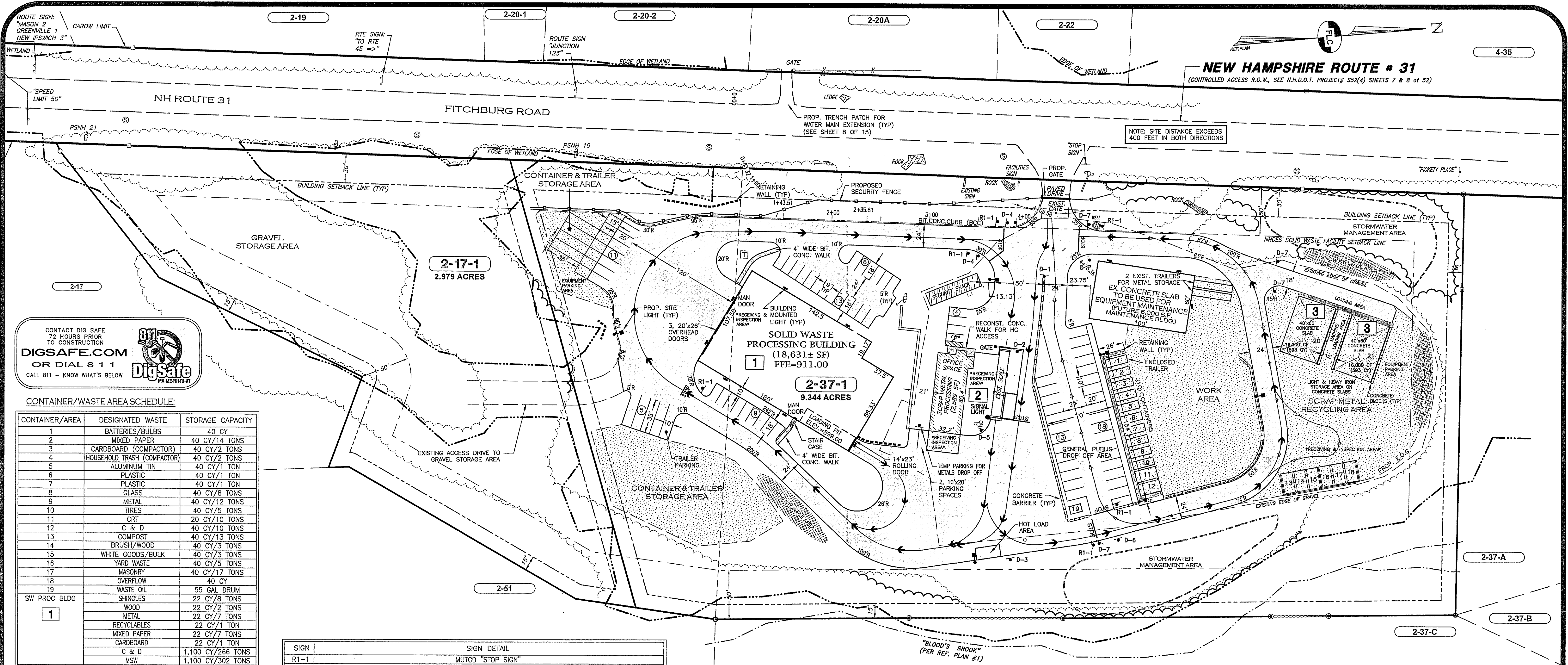
"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Print name and title: _____

Signature: _____ Date: _____

Figure 1

Operations Plan, Sheet SP-1 Page 4

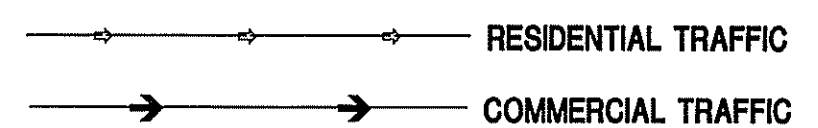


CONTACT DIG SAFE
72 HOURS PRIOR
TO CONSTRUCTION
DIGSAFE.COM
OR DIAL 8 1 1
CALL 811 - KNOW WHAT'S BELOW

CONTAINER/WASTE AREA SCHEDULE:

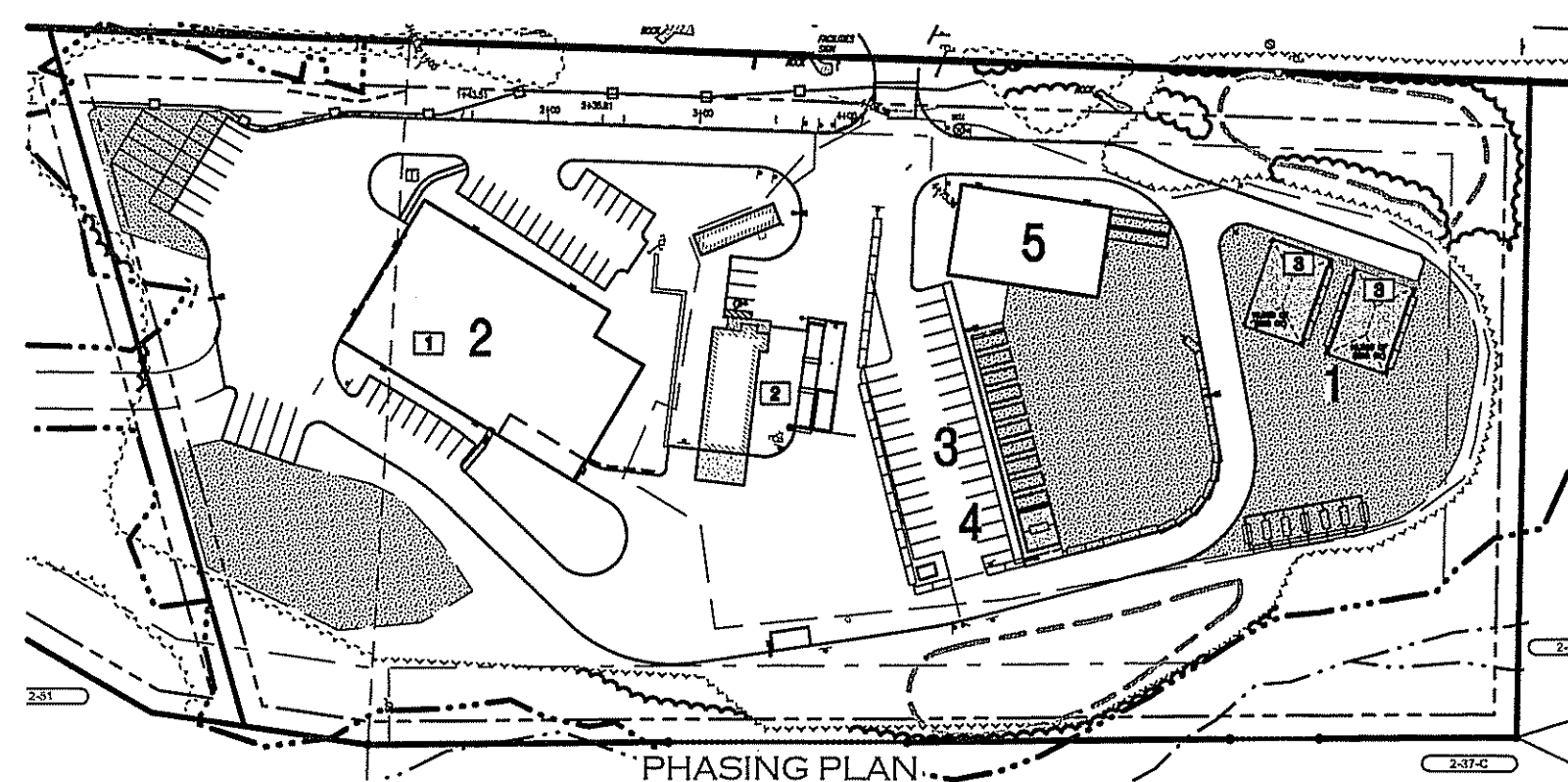
CONTAINER/AREA	DESIGNATED WASTE	STORAGE CAPACITY
1	BATTERIES/BULBS	40 CY
2	MIXED PAPER	40 CY/14 TONS
3	CARDBOARD (COMPACTOR)	40 CY/2 TONS
4	HOUSEHOLD TRASH (COMPACTOR)	40 CY/2 TONS
5	ALUMINUM TIN	40 CY/1 TON
6	PLASTIC	40 CY/1 TON
7	PLASTIC	40 CY/1 TON
8	GLASS	40 CY/8 TONS
9	METAL	40 CY/12 TONS
10	TIRES	40 CY/5 TONS
11	CRT	20 CY/10 TONS
12	C & D	40 CY/10 TONS
13	COMPOST	40 CY/13 TONS
14	BRUSH/WOOD	40 CY/3 TONS
15	WHITE GOODS/BULK	40 CY/3 TONS
16	YARD WASTE	40 CY/5 TONS
17	MASONRY	40 CY/17 TONS
18	OVERFLOW	40 CY
19	WASTE OIL	55 GAL DRUM
SW PROC BLDG	SHINGLES	22 CY/8 TONS
1	WOOD	22 CY/2 TONS
	METAL	22 CY/7 TONS
	RECYCLABLES	22 CY/1 TON
	MIXED PAPER	22 CY/7 TONS
	CARDBOARD	22 CY/1 TON
	C & D	1,100 CY/266 TONS
	MSW	1,100 CY/302 TONS
S MTL PROC BLDG	2	METAL
		39 CY/12 TONS
EXT. STOCKPILES	3	METAL
		1,570 CY/470 TONS
TRANS. TRAILER	C & D	200 CY/48 TONS
	MSW	200 CY/55 TONS
	RECYCLABLES	100 CY/6 TONS

SIGN	SIGN DETAIL
R1-1	MUTCD "STOP SIGN"
D-1	RESIDENTIAL TRAFFIC TO LEFT COMMERCIAL TO RIGHT
D-2	COMMERCIAL TRAFFIC STAY LEFT
D-3	STAY RIGHT TO WEIGHT IN (TO SCALE)
D-4	LEFT TO EXIT RIGHT TO SCALE
D-5	LEFT TO SCRAP METAL RIGHT TO SOLID WASTE
D-6	RIGHT TO EXIT, COMPOST, BRUSH/WOOD, WHITE GOODS, YARD WASTE, STUMPS, MASONRY, ASPHALT SHINGLES
D-7	MUTCD - "DO NOT ENTER"

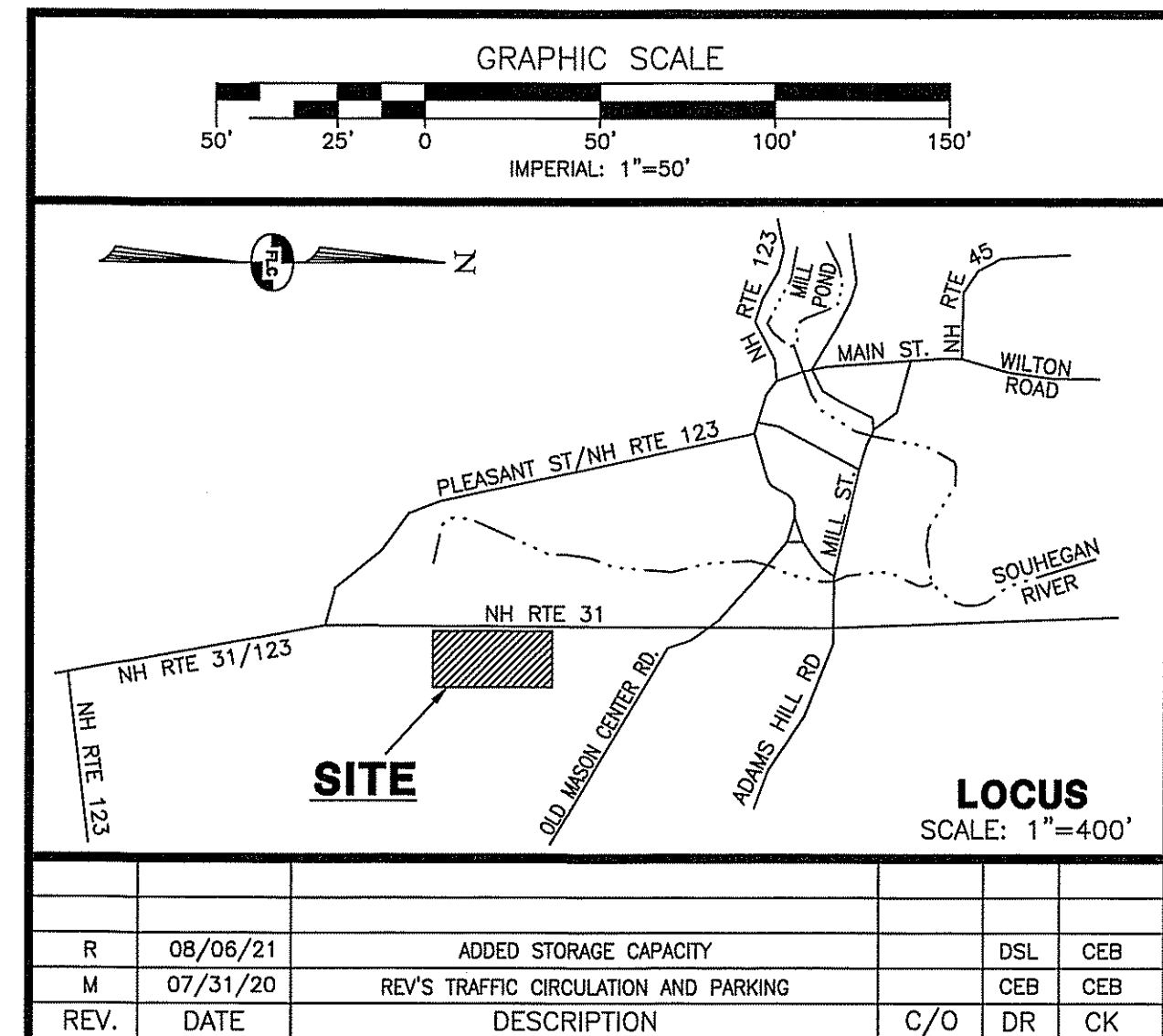
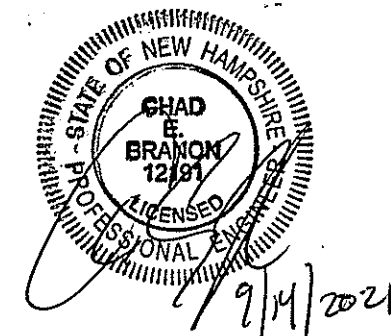


HOURS OF OPERATION:
All active and routine facility operations, including waste processing and disposal, facility inspections, maintenance, repairs, and monitoring, will occur Monday through Saturday between 6:00 AM to 6:00 PM, under normal non-emergency circumstances:

OPERATING HOURS	SUN.	MON.	TUE.	WED.	THU.	FRI.	SAT.	HOURS
	CLOSED	6:00 a - 6:00 p	6:00 a - 6:00 p	6:00 a - 6:00 p	6:00 a - 6:00 p	6:00 a - 6:00 p	6:00 a - 6:00 p	SEE WEEK
INCOMING								
RESIDENTIAL SOLID WASTE	X	Not Accepted	7:00a - 4:00p	Not Accepted	7:00a - 4:00p	Not Accepted	7:00a - 2:00p	25
PUBLIC SCRAP METAL (LUMP MINIMUM)	X	7:00a - 4:00p	8:00a - 4:00p	8:00a - 4:00p	7:00a - 4:00p	8:00a - 4:00p	7:00a - 2:00p	49
PUBLIC SCRAP METAL (CUT TO 999)	X	8:00a - 4:00p	Not Accepted	8:00a - 4:00p	Not Accepted	8:00a - 4:00p	Not Accepted	34
COMMERCIAL SOLID WASTE	EMERGENCY ONLY	6:00a - 6:00p	6:00a - 6:00p	6:00a - 6:00p	6:00a - 6:00p	6:00a - 6:00p	6:00a - 6:00p	72
COMMERCIAL SCRAP METAL	X	6:00a - 6:00p	6:00a - 7:00a	6:00a - 6:00p	6:00a - 7:00a	6:00a - 6:00p	6:00a - 7:00a	45
OUTGOING								
TRANSFER STATION WASTES/RECYCLABLES	EMERGENCY ONLY	6:00a - 6:00p	6:00a - 6:00p	6:00a - 6:00p	6:00a - 6:00p	6:00a - 6:00p	6:00a - 6:00p	72
SCRAP METAL RECYCLABLES	EMERGENCY ONLY	6:00a - 6:00p	6:00a - 7:00a	6:00a - 6:00p	6:00a - 7:00a	6:00a - 6:00p	2:00p - 6:00p	45
RESIDENTIAL SOLID WASTE	EMERGENCY ONLY	6:00a - 6:00p	6:00a - 7:00a	6:00a - 6:00p	6:00a - 7:00a	6:00a - 6:00p	6:00a - 7:00a	45



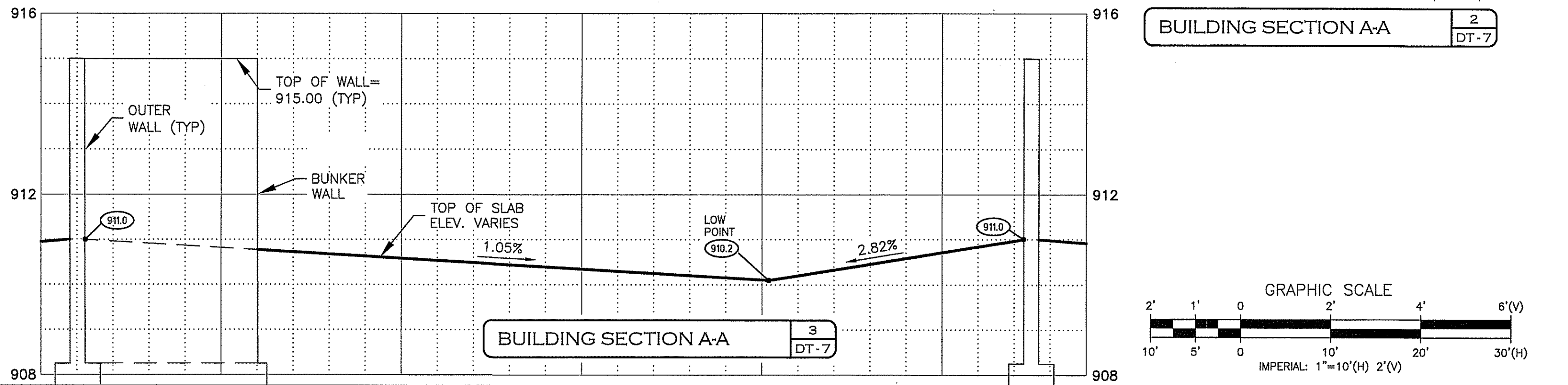
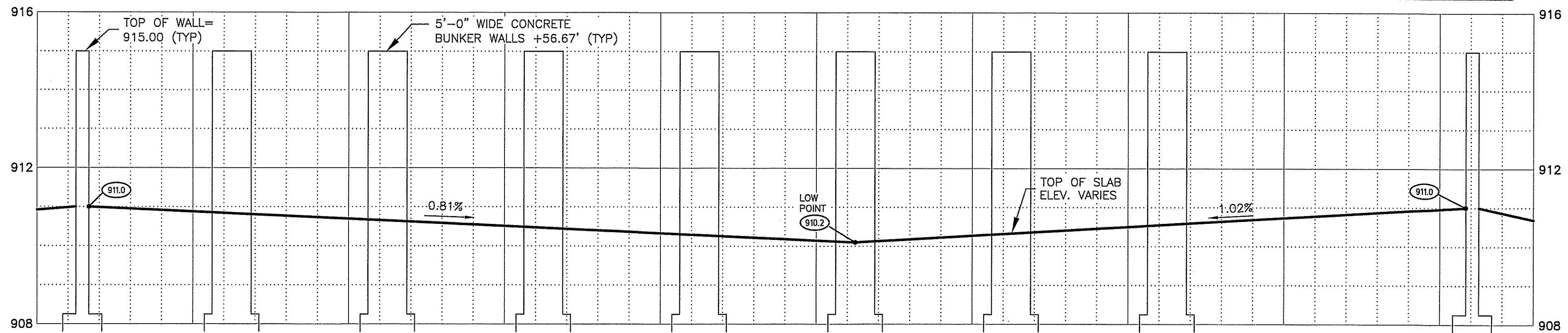
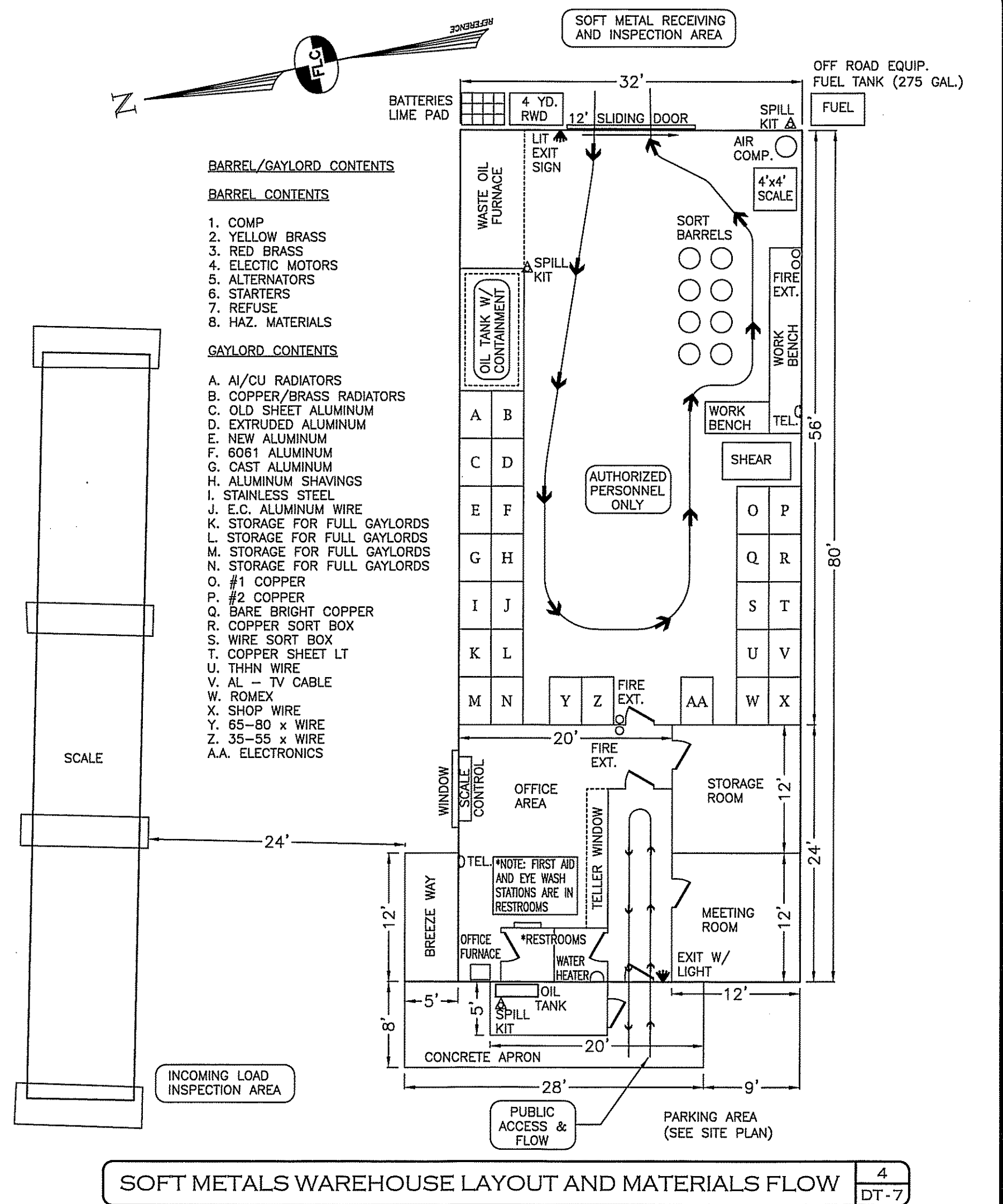
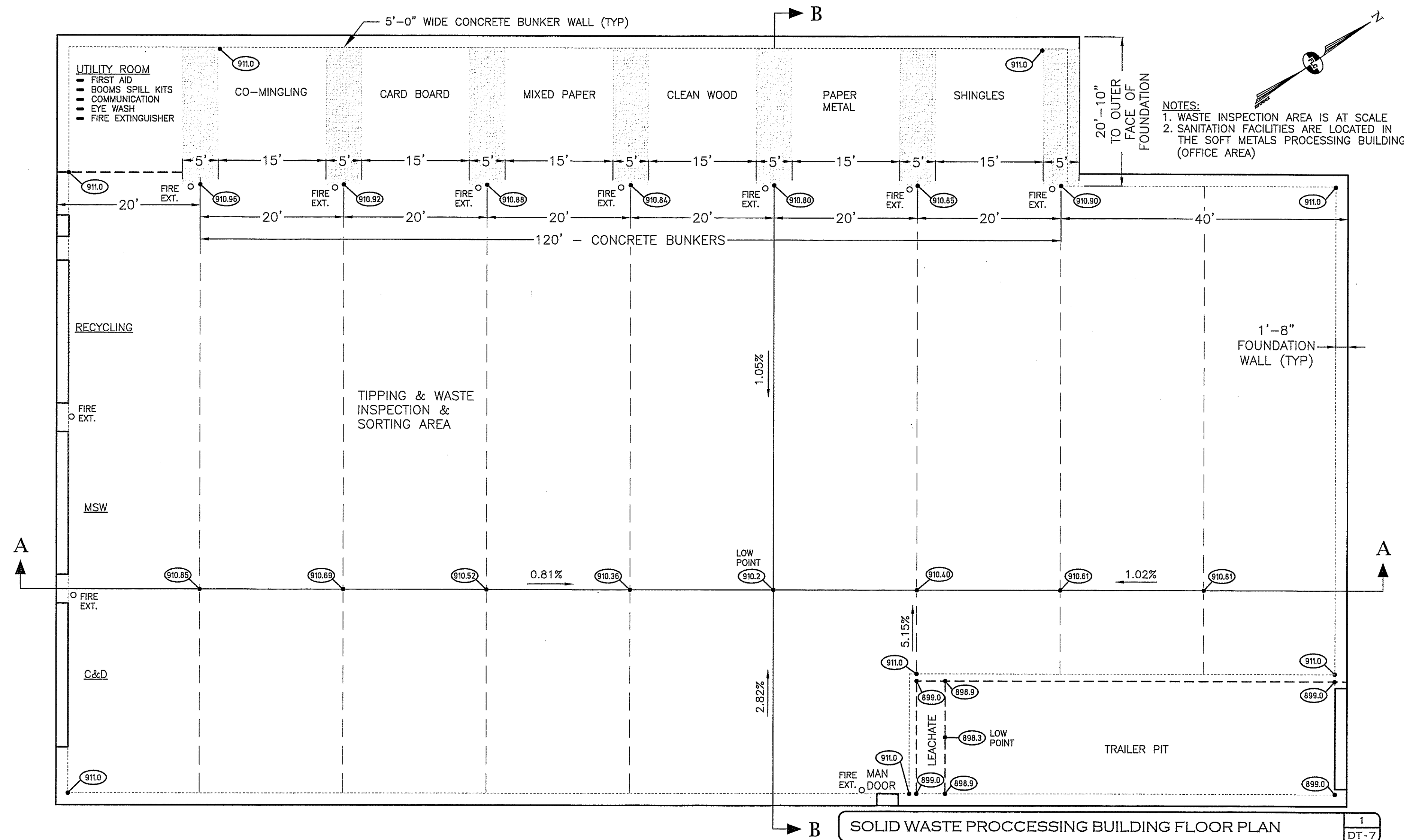
GENERAL NOTES:
PHASE I: RELOCATION AND CONSTRUCTION OF ADDITIONAL SCRAP METAL COLLECTION / PROCESSING AREAS.
PHASE II: CONSTRUCTION OF WASTE PROCESSING BUILDING.
PHASE III: INSTALLATION OF A RESIDENTIAL WASTE COLLECTION, PROCESSING AND RECYCLING AREA.
PHASE IV: CONSTRUCTION/INSTALLATION OF A USED OIL FOR RECYCLE COLLECTION SYSTEM.
PHASE V: CONSTRUCTION OF A MAINTENANCE BUILDING.



OPERATIONS PLAN
GREATER WASTE SOLUTIONS, LLC
TAX MAP 2, LOTS 17-1, 17-2 & 37-1
426 FITCHBURG ROAD, GREENVILLE, NH
LAND OF:
GMB LEASING, LLC
124 OLD WILTON ROAD, GREENVILLE, NH 03048
SCALE: 1" = 50' APRIL 30, 2020
Surveying ♦ Engineering ♦ Land Planning ♦ Permitting ♦ Septic Designs
FIELDSTONE LAND CONSULTANTS, PLLC
206 Elm Street, Milford, NH 03055
Phone: (603) 672-5456 Fax: (603) 413-5456
www.FieldstoneLandConsultants.com
FILE: 204SP02R.dwg PROJ. NO. 204.02 SHEET: SP-1 PAGE 4

Figure 2

Interior Floor Plans & Building Sections, Sheet DT-7 Page 16



REV.	DATE	DESCRIPTION	C/O	DR	CK
J	5/11/22	REVISIONS PER NHDES & IN HSE REVIEW		CEB	CEB
G	4/30/20	REVISIONS PER CLIENT & IN HSE REVIEW		CEB	CEB

INTERIOR FLOOR PLANS & BUILDING SECTIONS

GREATER WASTE SOLUTIONS, LLC

TAX MAP 2, LOTS 17-1, 17-2 & 37-1
426 FITCHBURG ROAD, GREENVILLE, NH

LAND OF:
GMB LEASING, LLC
124 OLD WILTON ROAD, GREENVILLE, NH 03048

SCALE: 1" = 10' HORZ., 2' VERT. APRIL 5, 2018

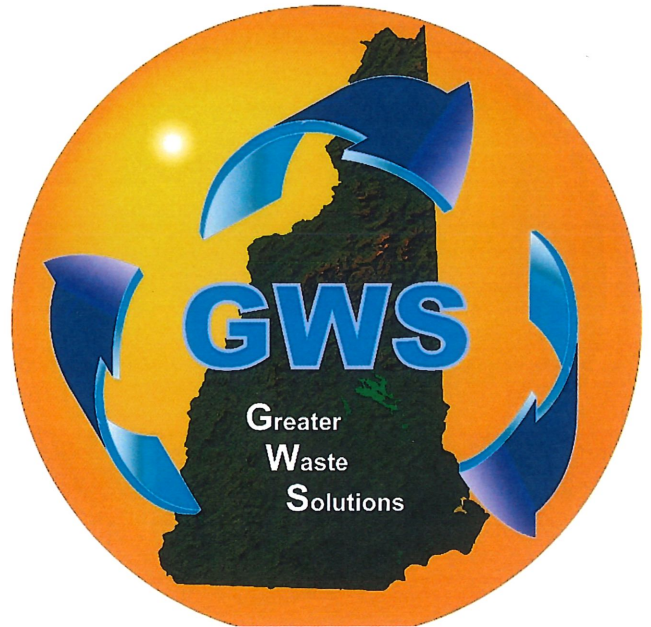
Surveying ♦ Engineering ♦ Land Planning ♦ Permitting ♦ Septic Designs

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FILE: 204DT021.dwg PROJ. NO. 204.02 SHEET: DT-7 PAGE 16

Closure Plan



Solid Waste Collection, Recycling/Recovery, Storage and Transfer Station

Greater Waste Solutions, LLC

426 Fitchburg Road - Operations
124 Old Wilton Road - Mailing
Greenville, New Hampshire 03048
YARD: 603.878.1170 OFFICE: 603.878.4108

July 12, 2021

Revised: April 14, 2022

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APPENDICES

- A Third Party Waste Destination Providers
- B Closure Cost Estimate

GREATER WASTE SOLUTIONS, LLC

FACILITY CLOSURE PLAN

1. FACILITY IDENTIFICATION

Facility Name: Greater Waste Solutions, LLC
426 Fitchburg Road
Greenville, NH 03048

Mailing Address: 124 Old Wilton Road
Greenville, NH 03048

Permit Number: DES-SW-XX-XXX

2. CLOSURE SCHEDULE

The facility has no scheduled closure date. Should the facility close for some unforeseen reason, the following schedule will be followed:

	Closure Activity Required	Duration of Activity	Completion Deadline
1	File a Notice of Intent to Close in accordance with Env-Sw 1106.02 and provide Notification of closure to facility users	0 Days	Fifteen days before termination of receipt of waste
2	Terminate all waste deliveries to the facility	0 Days	Immediately
3	Remove all wastes, including processed recyclables, bypass wastes and residuals, and surface debris/litter from the site to an authorized facility	60 Days	Two months after termination of receipt of waste
4	Remove, dismantle, or otherwise decommission all facility equipment	120 Days	Four months after termination of receipt of waste
5	Clean facility and site in accordance with Env-Sw 1006.02 (e) and (f)	120 Days	Four months after termination of receipt of waste
6	Perform all actions necessary, based on actual facility performance and actual site conditions, to monitor and remediate any associated environmental damage.	180 Days	Six months after termination of receipt of waste

3. WASTE IDENTIFICATION

- Batteries: Alkaline, Button cell, Re-chargeable, Lead-Acid (intact only)
- Bulky Items/Furniture
- Cardboard, Corrugated
- Cardboard, Grey
- Cathode Ray Tubes (CRTs)
- Construction and Demolition Debris (C&D)
- Electronics
- Glass
- Lamps
- Large Appliances
- Mercury Containing Devices
- Metal, Ferrous and Non-Ferrous
- Municipal/Mixed Solid Waste (MSW)
- Paper, Mixed
- Paper, News
- Plastic, numbered 1 – 7
- Tires
- Tree Limbs and Brush
- Used Motor Oil (accepted from residential sources only)
- Yard Waste

4. NOTIFICATIONS

Prior to termination of receipt of waste, notification will be given to users of the Greater Waste Solutions, LLC facility as follows:

- Letters will be sent to all users of record who have used the facility during the past year.
- Notification of termination of receipt of waste by the facility will be provided by notices posted on the facility gates and public notice printed in the regional newspaper.
- Signs will be posed at the entrance, clearly stating that no dumping is allowed at this site. The sign will also contain the following information: (1) Greater Waste Solutions, LLC Facility Closure Project; (2) emergency telephone numbers; and (3) penalty for unlawful dumping.

5. CLOSURE REQUIREMENTS

The procedure for closure of the facility will include removal and appropriate disposal of all waste materials on site, including unprocessed waste, processed recyclables, bypass wastes and residuals, and surface debris/litter. The contractor may use the on-site facility equipment to

perform the closure work. Any additional equipment necessary to perform the closure is the responsibility of the contractor. Unprocessed waste materials in the Solid Waste Processing Building will be loaded into transfer trailers for transport to the disposal site. Recyclable materials in the Solid Waste Processing Building will be transferred to the appropriate containers within the General Public Drop Off Area for subsequent transport to markets. Scrap metal in the exterior Scrap Metal Recycling Area or within the Scrap Metal Processing Building will be transported to appropriate markets. Refer to Appendix A for a list of Third Party Waste Destination Providers.

Facility equipment will be removed, dismantled or otherwise decommissioned in the following manner:

- Disconnect electricity and other utilities.
- The Solid Waste Processing Building surfaces and equipment used in handling of waste material will be pressure washed, scraped/squeegeed, and triple rinsed to remove all residual waste material. Wash and rinse water will be collected for appropriate off-site disposal.
- Building doors will be locked. Windows and other building openings will be boarded up to minimize vandalism.
- The facility site will be cleared of any remaining debris and/or windblown litter.
- The facility site will be secured by locking the entrance gates to prevent unauthorized access.

6. POST-CLOSURE REQUIREMENTS

After completion of the facility closure, maintenance of the site to protect public health and the environment involves regular monitoring of the buildings and stormwater controls. Inspection and maintenance requirements for the stormwater system components are located in Appendix I of the Facility Operating Plan.

7. RECORDKEEPING AND REPORTING

At least 15 days prior to termination of receipt of waste at the facility, Greater Waste Solutions, LLC will submit a written Notice of Intent to Close to the New Hampshire Department of Environmental Services (NHDES) in accordance with Env-Sw 1106.02, including:

- Facility identification;
- Date the facility intends to stop receiving wastes;
- A copy of the facility's approved closure plan or file reference thereto;
- If the provisions of the last approved closure plan of record are no longer applicable or no longer conform to the closure requirements of the solid waste rules, identification of such provisions and revisions in accordance with Env-Sw 315; and
- Date the facility intends to commence closure activities.

During or subsequent to facility closure activities, in accordance with Env-Sw 1105.07(b) and Env-Sw 1105.14, by March 31st of the following calendar year, Greater Waste Solutions, LLC will submit a report for the prior year including the following:

- Facility name, location by street and municipality, and permit number;
- Name and address of the permittee;
- Name, address, certificate number and telephone number of all facility operators, if applicable;
- Name, address, affiliation and telephone number of the person or persons responsible for managing all post-closure activities at the facility;
- Facility status, including, as applicable:
 - Date the facility discontinued receipt of waste;
 - Commencement and completion dates for all construction activities at the facility related to the approved closure plan; and
 - Anticipated or scheduled date for completing all required post-closure monitoring and maintenance activities; and
- A summary and assessment of all environmental monitoring performed at or for the facility, whether required by the solid waste rules or the permit or undertaken voluntarily, specifically including as applicable:
 - Information concerning emergency events or other unexpected or unusual events at the facility relevant to assessing whether the facility is achieving post-closure performance expectations; and
 - For a facility having post-closure obligations, an evaluation of the available environmental monitoring data and other information pertaining to facility conditions, including a statement by a qualified professional engineer identifying whether the facility is achieving post-closure performance expectations and whether adjustments to the approved post-closure monitoring and maintenance period or provisions are recommended in light of the performance evaluation.

Following facility closure, operating and closure records will be taken to a commercial file storage facility and maintained for a period of 10 years, unless destruction of the records is approved pursuant to the provisions for a Type V permit modification in Env-Sw 315.

8. OTHER PERMITS

No additional state, federal, or local permits are required to implement closure of the facility. Post closure monitoring requirements will be in accordance with the following existing/approved permits:

- Solid Waste Management Permit

9. CLOSURE COST ESTIMATE

A closure cost estimate prepared in accordance with the criteria in Env-Sw 1403.02 is included in Appendix B. The closure cost estimate accounts for removal and disposal of stored and unprocessed wastes at the time of facility closure. The estimate is based on a conservative assumption that, at the time of closure, the waste and recyclable material will be at the maximum permitted storage capacity. Salvage value from the sale of facility structures, equipment, or other assets is not included.

Appendix A

THIRD PARTY WASTE DESTINATION PROVIDERS

Material		Facility Location
Electronics		East Coast Electronics/Shirley, MA
		Tech Recycling Solutions/Leominster, MA
Hazardous/Spills/Toxic Waste (Emergency Response)		US Ecology/Wrentham, MA
		Clean Harbors/Bow, NH
Lead Acid Batteries		Harding Metals/Northwood, NH
		Sims Metal Manag. /Providence, RI
Leachate		Wheelabrator Holdco/Fitchburg, MA
MSW		Covanta Energy/ Haverhill, MA
Recyclables, Pre-Sorted:	Paper:	Casella/Charlestown, MA
	Mix Paper:	E.L. Recycling/Fitchburg, MA
	Cardboard:	E.L. Recycling/Westborough, MA
Recyclables, - Pre-Sorted:	Plastics:	E.L. Recycling/Fitchburg, MA
		Casella/Charlestown, MA
Refrigerants		Pinnacle Rock Solutions/Peterborough, NH
		Pinnacle Rock Solutions/ Milford, NH
Scrap Metal		Excel Recycling/ Freetown, MA
		Sims Metal Management/Providence, RI
White Goods		Excel Recycling/Freetown, MA
		Sims Metal Management/Providence, RI

Appendix B



Cost Estimate Form for Closure of Solid Waste Collection/Storage/Transfer Facilities or Recycling Facilities

Waste Management Division/Solid Waste Management Bureau

solidwasteinfo@des.nh.gov or phone (603) 271-2925

RSA/Rule: Env-Sw 1400

Facility Name: Greater Waste Solutions, LLC

Address: 426 Fitchburg Road, Greenville, NH 03048

NHDDES Permit #:

Permitted Solid Waste Material	Permitted Amount	Quantity ¹ SPR ²	Quantity ¹ Non-SPR ²	Unit	Loading Cost Per Unit (Non-SPR)	Transp. Cost Per Unit (Non-SPR)	Disposal Cost Per Unit (Non-SPR)	Total Cost Per Unit (Non-SPR)	Total Cost	Disposal Destination
Ash				Ton						
Bulky Waste/White Goods	2			Ton	\$ 2.80	\$ 14.00	\$ 75.00	\$ 91.80	\$ 183.60	Excel Recycling, LLC
Bypass/Residual Waste				Ton						
C & D Debris	351			Ton	\$ 2.80	\$ 15.00	\$ 80.00	\$ 97.80	\$ 34,327.80	Resource Waste Services of Epping Inc.
CFC Containing Appliances	1			Ton	\$ 2.80	\$ 50.00	\$ 120.00	\$ 172.80	\$ 172.80	Scrap It
Contaminated Soil/Media				Ton						
E-Scrap	4			Ton	\$ 2.80	\$ 75.00	\$ 500.00	\$ 577.80	\$ 2,311.20	Multiple Markets
Leachate				Ton						
Mixed MSW/MSW/Non-Recyclable Wastes for Disposal	359			Ton	\$ 2.80	\$ 15.00	\$ 80.00	\$ 97.80	\$ 35,110.20	Covanta Energy
Non-Metal Unprocessed Recyclable Waste	41			Ton	\$ 2.80	\$ 15.00	\$ 87.00	\$ 104.80	\$ 4,296.80	Casella Waste Systems
Solid Waste-Liquid				Gallon						
Tires	5			Ton	\$ 2.80	\$ 100.00	\$ 150.00	\$ 252.80	\$ 1,264.00	Bob's Tire
Unprocessed Recyclables-Commingled				Ton						
Unprocessed Waste				Ton						
Other: Scrap Metal	501			Ton	\$ 2.80	\$ 25.00	-	\$ 27.80	\$ 13,927.80	Excel Recycling, LLC

Site Cleanup (per approved closure plan)

Labor	1 week: 2 laborers (80hrs@ \$30/hr) + 1 equipment operator & excavator (40hrs@ \$140/hr)
-------	------------------------------------------------------------------------------------------

Equipment Decommissioning

Equipment Removal	N/A - equipment retained by facility

Building Cleaning

Regrading

Hydroseeding

Other: Steam Cleaner Rental

Miscellaneous Closure Work

Other:

0	0
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100	100

10% Contingency	\$10,332.92
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Total *	\$113,662.12
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GRAND TOTAL	\$120,762.12	
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¹ The combined Quantity of Select Processed Recyclables (SPR) and Non-SPR must equal the maximum permitted storage capacity

² A (SPR) is a recyclable material (a material comprised of one of the following materials: paper, cardboard, glass, plastic, ferrous metal, non-ferrous metal, or textile materials) which has been physically sorted and separated by material type, formed into bales or otherwise physically processed and packaged in a manner satisfying the specifications for transportation to and acceptance by a market that will use the material for the production of certified waste-derived products.

This closure cost estimate has been figured based on representative current market rates for having a third party perform all required closure and post-closure activities at the point in the facility's active life when the extent and manner of facility operations in compliance with permit conditions and applicable laws and rules makes closure the most expensive, as indicated by the approved facility closure plan.

Signature of Preparer: _____

Naomi-Clare Paul

Digitally signed by Naomi-Chere Fraul
Contact Info: ncfraul@nobs-group.com
Date: 2022.03.28 16:37:59-04'00'

Date:

Signature of Permittee:

Twiss John

Date: 4/19/2022

SECTION IX

FINANCIAL REPORT



Revised April 14, 2022

SECTION IX. FINANCIAL REPORT

Provide the following information. Use separate paper if necessary.

(1)	The estimated cost of constructing the facility, unless the facility is an existing facility and no new construction is proposed: \$724,200.00
(2)	The type and source of financing: Financing Not Required
(3)	The estimated facility operating cost(s): \$ 140,555.00 / Month
(4)	The estimated tipping fee or, if no tipping fee will be assessed by the facility, the estimated average cost per ton to manage waste at the facility: \$125 /ton
(5)	Prepare and submit a financial assurance plan in accordance with Env-Sw 1400. Contact the DES Financial Assurance Coordinator at (603) 271-2925 for additional assistance and guidance, including forms for preparing financial assurance documents such as letters of credit, trust agreements, surety bonds, etc.

SECTION X. PERFORMANCE HISTORY

- (1) **BACKGROUND INVESTIGATION:** (Note: This requirement does not apply if the applicant is a government unit or agency or subdivision of the state. If so, check here ☐ and go to question (2) below.)

The applicant must provide as part of this application certain "personal and business disclosure information." The information will be used to facilitate a background investigation by the New Hampshire Department of Justice/Office of Attorney General (NH DoJ/AGO) pursuant to RSA 149-M:9,III and IX. The information is provided by completing two different forms, one for personal disclosure information and one for business disclosure information. The number and type of forms to be completed depends on whether the applicant is an individual or a non-individual and whether the applicant, facility operator and property owner are the same. The forms provide specific instructions for determining which individuals and entities must complete the forms. Submit the completed forms direct to the NH DoJ/AGO, Environmental Protection Bureau, 33 Capitol St., Concord, NH 03301-6397 with a "Notice of Filing" as specified by Section IV of this form. Do NOT submit copies of the completed personal and business disclosure forms to DES.

Note: If blank copies of the Personal and Business Disclosure Forms were not included with this permit application package, you may obtain copies from the P&DRS at (603) 271-2925.

Note also: The applicant must pay the cost incurred by the NH DoJ/AGO to complete the background investigation and prepare a report to DES. An invoice will be sent by the NH DoJ/AGO and payment will be due upon receipt.

- (2) **COMPLIANCE STATUS:** The applicant must either:
- ☒ sign the Compliance Statement provided below; or
 - ☐ submit a Compliance Report as specified in Env-Sw 303.15. Mark the Compliance Report as "Attachment X(2)."
- Check the appropriate box above to indicate which option you are undertaking.

COMPLIANCE STATEMENT

The applicant shall certify that each of the statements listed in (1)-(8) below are true for each of the following individuals and entities:

- ☐ the applicant.
- ☐ the facility owner.
- ☐ the facility operator.
- ☐ all individuals and entities holding 10% or more of the applicant's debt or equity.
- ☐ all of the applicant's officers, directors, and partners.
- ☐ all individuals and entities having managerial, supervisory or substantial decision making authority and responsibility for the management of facility operations or the activity(s) for which approval is being sought.

(1)	No individual or entity listed above has been convicted of or plead guilty or no contest to a felony in any state or federal court during the 5 years before the date of the application.
(2)	No individual or entity listed above has been convicted of or plead guilty or no contest to a misdemeanor for a violation of environmental statutes or rules in any state or federal court during the 5 years before the date of the application.
(3)	No individual or entity listed above has owned or operated any hazardous or solid waste facility which has been the subject of an administrative or judicial enforcement action for a violation of environmental statutes or rules during the 5 years before the date of the application.
(4)	No individual or entity listed above has been the subject of any administrative or judicial enforcement action for a violation of environmental statutes and rules during the 5 years before the date of the application.
(5)	All hazardous and solid waste facilities owned or operated in New Hampshire by any individual or entity listed above are in compliance with either: (a) All applicable environmental statutes, rules, and DES permit requirements; or (b) A DES approved schedule for achieving compliance therewith;
(6)	All individuals and entities listed above are in compliance with all civil and criminal penalty provisions of any outstanding consent agreement, settlement, or court order to which DES is a party.

Section IX List of Attachments

Attachment IX (1)	Construction Cost Estimate
.	
Attachment IX (3) (4)	Estimated Cost Analysis
.	
Attachment IX (5)	Standby Trust Agreement

Greater Waste Solutions, LLC

Yard: 426 Fitchburg Rd. Mail: 124 Old Wilton Rd.
Greenville, NH 03048



Estimated Cost Analysis

We are proposing an estimated cost analysis based on data through recycling and disposal markets.

Official Board Markets (The Yellow Sheet) which is released on a monthly basis declares the value of mixed paper, boxboard cuttings, (#6) news, (#8) news, occ, sop, and Sorted white ledger.

Scrap metal, tin, aluminum, plastics and wood, these recyclable materials are based on volume which determines the cost or credit given to you as a vendor.

Final trash disposal sites are also based on volume which determines the cost of disposal.

Prior to applying for transfer station permit to handle solid waste, we consulted with other transfer/recycling centers on estimated revenue income. The entities we consulted with based their numbers on their tonnage.

Based on our solid waste permit at 300 tons per day (TPD), annualized at 150,000 (TPY) \$125.00 per ton receivable materials is 18% profit/month of \$81,000 (Eighty-one thousand)

STANDBY TRUST AGREEMENT

Standby Trust Agreement (the "Agreement") entered into as of _____, 20____ by and between **Greater Waste Solutions, LLC**, a **New Hampshire** corporation with a principal place of business at **124 Old Wilton Road, Greenville, New Hampshire 03048** (the "Grantor") and **TD Bank, N.A.** (the "Trustee").

PREAMBLE

The Grantor owns and operates a solid waste facility located at **426 Fitchburg Road, Greenville, New Hampshire** (the "Facility"). The Facility consists of **Solid Waste Recycling/Recovery, Storage and Transfer Station** and is permitted by the New Hampshire Department of Environmental Services (DES) under Solid Waste Management Facility Standard Permit No. _____ (the "Permit"). The Permit was issued on [**Date of Issuance**].

The Grantor is required under the laws of the State of New Hampshire, in particular New Hampshire RSA 149-M and the regulations duly promulgated there under as they may be amended from time to time, and under the terms of the Permit, to perform closure of the Facility at the end of the Facility's operations and to provide the necessary thirty year post-closure monitoring and maintenance of the Facility. The closure and post-closure activities that must be performed by the Grantor are set forth in the Facility's approved closure plan, incorporated in the Permit, as it may be amended from time to time with the approval of DES.

The Grantor is further required to provide financial assurance to the State of New Hampshire that funds will be available in the future to cover the cost of all required closure and post-closure activities of the Facility. The Grantor has elected to satisfy its obligation to provide financial assurance for the Facility by obtaining a **Letter of Credit** in the amount of **\$125,000.00** from **TD Bank, N.A.** and by establishing this standby trust agreement, both for the benefit of the State of New Hampshire.

The Grantor, acting through its duly authorized officers, has selected the Trustee to fulfill the obligations identified for the Trustee under this Agreement and the Trustee is willing to act in that capacity and to fulfill its obligations under this Agreement.

THEREFORE, the Grantor and the Trustee agree as follows:

Section 1. Identification of Facility and Closure Work.

(a) This Agreement pertains to the Facility, as more specifically described in the Permit, the Closure Work and to the **Letter of Credit**, a copy of which is attached as **Appendix A**. No provision is hereby made for closure of other existing or proposed phases of the Facility.

(b) The Closure Work is defined as all work, materials, labor or other services required under the Facility's closure plan, permits, approvals related thereto and/or laws and rules of the

State of New Hampshire, as they may be amended from time to time, to carry out closure and 30 years of post-closure monitoring and maintenance of the Facility.

(c) Current estimates for the cost of the Closure Work total **\$125,000.00**. The cost of the Closure Work may be revised from time to time as necessary to more accurately reflect actual anticipated costs.

Section 2. Establishment of Fund. Pursuant to the conditions of this Agreement, the Grantor and the Trustee hereby establish a standby trust fund (the "Fund") for the benefit of the State of New Hampshire, through its Department of Environmental Services, Waste Management Division. The Fund is dedicated exclusively to the Closure Work at the Facility. The Grantor and the Trustee intend that no third party have access to the Fund except as herein provided. The Commissioner of DES, or the Commissioner's duly appointed designee, shall exercise all powers and responsibilities given to the State of New Hampshire herein. The Commissioner may designate another state official to exercise those powers and responsibilities in his or her stead with ten days written notice to the Trustee and Grantor.

Section 3. Payment Comprising the Fund.

(a) The Fund is established initially with the delivery and deposit of the **Letter of Credit** with the Trustee. The amount guaranteed under the **Letter of Credit** shall be deposited in the Fund in the event payment is triggered under the **Letter of Credit** and funds are received by the Trustee.

(b) The Fund will consist of monies paid under the **Letter of Credit**, any other cash or securities acceptable to the Trustee subsequently deposited in the Fund, and all earnings, interest and profits thereon, less any payments or distributions made by the Trustee pursuant to this Agreement.

(c) The Fund shall be held by the Trustee, in trust, as hereinafter provided. The Trustee shall not be responsible nor shall it undertake any responsibility for the amount or adequacy of any payments necessary to discharge any obligations of the Grantor, nor shall the Trustee have any duty to collect such payments from the Grantor or Surety.

Section 4. Payment for Closure Work. Upon receipt of funds from the **Letter of Credit Issuer**, the Trustee shall make payments from the Fund as the Commissioner shall direct in writing to provide for the payment of the Closure Work consistent with this Agreement. The Trustee shall reimburse the Grantor or other persons as specified by the Commissioner from the Fund for Closure Work expenditures in such amounts as the Commissioner shall direct in writing. In addition, the Trustee shall refund to the Grantor such amounts as DES specifies in writing. Upon refund, such refunds shall no longer constitute part of the Fund as defined herein. The Trustee shall account for each disbursement from the Fund consistent with the Commissioner's instructions. The Trustee shall notify the Commissioner and the Grantor when all monies have been disbursed.

Section 5. Trustee Management. The Trustee shall invest and reinvest the principal

and income of the Fund and keep the Fund invested as a single fund, without distinction between principal and income, in accordance with general investment policies and guidelines which the Grantor may communicate in writing to the Trustee from time to time, subject to the provisions of this Section and state law. All investments shall provide for the preservation of the principal of the Fund. In investing, reinvesting, exchanging, selling, and managing the Fund, the Trustee shall discharge his duties with respect to the Fund solely in the interest of DES, the beneficiary, and with the care, skill, prudence and diligence under the circumstances then prevailing which persons of prudence, acting in a like capacity and familiar with such matters, would use in the conduct of an enterprise of a like character and with like aims; except that:

(a) Securities or other obligations of the Grantor, or any other owner or operator of the facilities, or any of their affiliates as defined in the Investment Company Act of 1940, as amended, 15 U.S.C. 80a-2.(a), shall not be acquired or held, unless they are securities or other obligations of the federal or a state government;

(b) The Trustee is authorized to invest the Fund in time or demand deposits of the Trustee, to the extent insured by an agency of the federal or state government; and

(c) The Trustee is authorized to hold cash awaiting investment or distribution un-invested for a reasonable time and without liability for the payment of interest thereon.

Section 6. Commingling and Investment. The Trustee is expressly authorized in its discretion:

(a) To transfer from time to time any or all of the assets of the Fund to any common, commingled, or collective trust fund created by the Trustee in which the Fund is eligible to participate, subject to all of the provisions thereof, to be commingled with the assets of other trusts participating therein; and

(b) To purchase shares in any investment company registered under the Investment Company Act of 1940, 15 U.S.C. 80a-1 et seq., including one which may be created, managed, underwritten, or to which investment advice is rendered or the shares of which are sold by the Trustee. The Trustee may vote such shares in its discretion.

Section 7. Express Powers of Trustee. Without in any way limiting the powers and discretions conferred upon the Trustee by the other provisions of this Agreement or by law, the Trustee is expressly authorized and empowered:

(a) To sell, exchange, convey, transfer, or otherwise dispose of any property held by it, by public or private sale. No person dealing with the Trustee shall be bound to see to the application of the purchase money or to inquire into the validity or expediency of any such sale or other disposition;

(b) To make, execute, acknowledge, and deliver any and all documents of transfer and conveyance and any and all other instruments that may be necessary or appropriate to carry out the powers herein granted;

(c) To register any securities held in the Fund in its own name or in the name of a

nominee and to hold any security in bearer form or in book entry, or to combine certificates representing such securities with certificates of the same issue held by the Trustee in other fiduciary capacities, or to deposit or arrange for the deposit of such securities in a qualified central depository even though, when so deposited, such securities may be merged and held in bulk in the name of the nominee of such depository with other securities deposited therein by another person, or to deposit or arrange for the deposit of any securities issued by the United States Government, or any agency or instrumentality thereof, with a Federal Government, or any agency or instrumentality thereof, with a Federal Reserve bank, but the books and records of the Trustee shall at all times show that all such securities are part of the Fund;

(d) To deposit any cash in interest-bearing accounts maintained or savings certificates issued by the Trustee, in its separate corporate capacity, or in any other banking institution affiliated with the Trustee, to the extent insured by an agency of the Federal or State government; and

(e) To compromise or otherwise adjust all claims in favor of or against the Fund.

Section 8. Taxes and Expenses. All taxes of any kind that may be assessed or levied against or in respect of the Fund and all brokerage commissions incurred by the Fund shall be paid from the Fund. All other expenses incurred by the Trustee in connection with the administration of this Trust shall be paid by the Grantor, including fees for legal services rendered to the Trustee, the compensation of the Trustee, and all other proper charges and disbursements of the Trustee. In the event the Grantor fails to pay the Trustee in accordance with this Section and written demand on the Grantor for payment does not result in prompt payment, the Trustee is entitled to payment from the Fund after written notification to DES.

Section 9. Annual Valuation. The Trustee shall annually, after the first deposit of monies from the **Letter of Credit**, at least 30 days before the anniversary date of the first deposit, furnish to the Grantor and to the Commissioner a statement confirming the value of the Fund. Any securities in the Fund shall be valued at market value as of no more than 60 days before the anniversary date of the first deposit.

Section 10. Advice of Counsel. The Trustee may from time to time consult with counsel, who may be counsel to the Grantor, with respect to any question arising as to the construction of this Agreement or any action to be taken hereunder. The Trustee shall be fully protected, to the extent permitted by law, in acting upon the advice of counsel. To the extent the Trustee consults with counsel for the Grantor with respect to questions concerning the interpretation of this Agreement, or actions to be taken hereunder, the Trustee shall be fully protected, to the extent permitted by law, in acting upon the advice of such counsel, if the Trustee has communicated such questions and proposed interpretations or advice to the Commissioner in writing, and if the Commissioner has not objected to the proposed interpretation or advice within 30 days of notification.

Section 11. Trustee Compensation. The Trustee shall be entitled to reasonable

compensation for its services as agreed upon in writing from time to time with the Grantor.

Section 12. Successor Trustee. The Trustee may resign or the Grantor may replace the Trustee, but such resignation or replacement shall not be effective until the Grantor has appointed a successor trustee, DES approves the proposed successor, and the successor accepts the appointment. The successor trustee shall have the same powers and duties as those conferred upon the Trustee hereunder. Upon the successor trustee's acceptance of the appointment, the Trustee shall assign, transfer, and pay over to the successor trustee the funds and properties then constituting the Fund. If for any reason the Grantor cannot or does not act in the event of the resignation of the Trustee, the Trustee may apply to a court of competent jurisdiction for the appointment of a successor trustee or for instructions. The successor trustee shall specify the date on which it assumes administration of the trust in a writing sent to the Grantor, DES, and the present Trustee by certified mail ten days before such change becomes effective. Any expenses incurred by the Trustee as a result of the acts contemplated by this Section shall be paid by the Grantor as provided in Section 8.

Section 13. Instructions to the Trustee. All orders, requests, and instructions by the Grantor to the Trustee shall be in writing, signed by such persons as are designated in **Appendix B** or such others as may be designated by amendment to **Appendix B**. The Trustee shall be fully protected in acting without inquiry in accordance with the Grantor's orders, requests, and instructions where Grantor is authorized under this Agreement to issue such orders, requests and instructions. All orders, requests and instructions by DES to the Trustee shall be in writing, signed by the Commissioner. The Trustee shall act and shall be fully protected in acting in accordance with such orders, requests, and instructions. The Trustee shall have the right to assume, in the absence of written notice to the contrary, that no event constituting a change or a termination of the authority of any person on behalf of the Grantor or DES has occurred. The Trustee shall have no duty to act in the absence of such orders, requests and instructions from the Grantor and/or DES, except as provided for herein. In the event that the Trustee receives contradicting instructions from the Grantor and the Commissioner, or in the event of a dispute between the Grantor and the Commissioner, the Trustee shall be entitled to rely and act upon the instructions of the Commissioner without incurring any liability and obligation with respect to the Grantor.

Section 14. Amendment of Agreement. This Agreement may be amended by an instrument in writing executed by the Grantor and the Trustee, after approval by DES, or by the Trustee and DES if the Grantor ceases to exist and has no successor or assign.

Section 15. Irrevocability and Termination. Subject to the right of the parties to amend this Agreement as provided in Section 14, this Trust shall be irrevocable and shall continue until terminated as provided below. The Fund shall terminate at the earliest of:

(a) The written agreement of the Grantor, the Trustee and the Commissioner, or by the Trustee and the Commissioner, if the Grantor ceases to exist and has no successor or assign.

(b) Certification by the Commissioner that the Closure Work at the Facility has been fully completed.

Upon termination of the Fund, all property remaining in the Fund, less final trust administration expenses shall be delivered to the Grantor.

Section 16. Immunity and Indemnification. The Trustee shall not incur personal liability of any nature in connection with any act or omission, made in good faith, in the administration of this Fund, or in carrying out any directions by the Grantor or DES issued in accordance with this Agreement. The Trustee shall be indemnified and saved harmless by the Grantor or, if recourse against the Grantor fails, from the Fund from and against any personal liability to which the Trustee may be subjected by reason of any act or conduct in its official capacity, including all expenses reasonably incurred in its defense in the event the Grantor fails to provide such defense.

Section 17. Choice of Law. This Agreement shall be administered, construed, and enforced according to the laws of the State of New Hampshire.

Section 18. Interpretation. As used in this Agreement, words in the singular include the plural and words in the plural include the singular. The descriptive headings for each Section of this Agreement shall not affect the interpretation or the legal efficacy of this Agreement.

Section 19. Successors and Assigns. This Agreement shall inure to the benefit of and be binding upon the successors and assigns of the parties hereto. The Grantor may not assign its rights and obligations under this Agreement to any other party without the prior written consent of the Commissioner.

Section 20. Incorporation of Preamble. The parties to this Agreement adopt and incorporate the assertions of the Preamble as though fully set forth herein.

IN WITNESS WHEREOF, the parties have caused this Agreement to be executed by their respective officers duly authorized and their corporate seals to be hereunto affixed and attested as of the date first above written.

Witness

By [Grantor]: _____
[Certificate of Corporate Authority]

Witness

By [Trustee]: _____
[Certificate of Corporate Authority]

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this _____ day of _____
_____, 20__, by _____ of _____
_____.

Notary Public

My Commission Expires: _____

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this _____ day of _____
_____, 20__, by _____ of _____
_____.

Notary Public

My Commission Expires: _____

Date of Last Revision: 6/20/11

Appendix A

IRREVOCABLE LETTER OF CREDIT

Robert R. Scott, Commissioner
N. H. Department of Environmental Services
29 Hazen Drive, PO Box 95
Concord, NH 03302-0095

Dear Commissioner Scott:

We hereby establish our Irrevocable Letter of Credit **No. _____** in your favor, at the request and for the account of **Greater Waste Solutions, LLC, 426 Fitchburg Road, Greenville, New Hampshire 03048 (Mailing Address: 124 Old Wilton Road, Greenville, NH 03048)**, up to the aggregate amount of **one hundred twenty-five thousand U.S. dollars \$125,000.00** available upon presentation of:

- (1) your sight draft, bearing reference to this Letter of Credit **No. _____**, and
- (2) your signed statement reading as follows: "I certify that the amount of the draft is payable pursuant to regulations issued under authority of New Hampshire Revised Statutes Annotated, Chapter 149-M."

This letter of credit is effective as of **[date]** and shall expire on **[date at least one year later]**, but such expiration date shall be automatically extended for a period of **[at least one year]**, on **[date]** and on each successive expiration date, unless, at least 120 days before the current expiration date, we notify both you and **Greater Waste Solutions, LLC**, by certified mail that we have decided not to extend this letter of credit beyond the current expiration date. In the event that you are so notified, any unused portion of the credit shall be available upon presentation of your sight draft for 120 days after the date of receipt by both you and **Greater Waste Solutions, LLC**, as shown on the signed return receipts.

Whenever this letter of credit is drawn on under and in compliance with the terms of this credit, we shall duly honor such draft upon presentation to us, and we shall deposit the amount of the draft directly into the standby trust fund of **Greater Waste Solutions, LLC**, in accordance with your instruction.

[Signature(s) and title(s) of official(s) of issuing institution] [Date]

This credit is subject to the New Hampshire Uniform Commercial Code, N.H. RSA Chapter 382-A, Article 5.

Date of Last Revision: 3/27/18

Appendix B
Designated Persons

Name

Facility/Company

Address

Phone

Fax

E-mail

STANDBY TRUST AGREEMENT

Attachment IX(5)

Standby Trust Agreement (the "Agreement") entered into as of _____, 20____ by and between [**Name of Company providing financial assurance**], a [**identify State**] corporation with a principal place of business at [**Address of Company**] (the "Grantor") and [**Name and Address of Trustee, usually a bank**] (the "Trustee").

PREAMBLE

The Grantor owns and operates a solid waste facility located at **426 Fitchburg Road, Greenville, NH** (the "Facility"). The Facility consists of **Solid Waste Recycling/Recovery, Storage and Transfer Station** and is permitted by the New Hampshire Department of Environmental Services (DES) under Solid Waste Management Facility Standard Permit No. _____ (the "Permit"). The Permit was issued on [**Date of Issuance**].

The Grantor is required under the laws of the State of New Hampshire, in particular New Hampshire RSA 149-M and the regulations duly promulgated there under as they may be amended from time to time, and under the terms of the Permit, to perform closure of the Facility at the end of the Facility's operations and to provide the necessary thirty year post-closure monitoring and maintenance of the Facility. The closure and post-closure activities that must be performed by the Grantor are set forth in the Facility's approved closure plan, incorporated in the Permit, as it may be amended from time to time with the approval of DES.

The Grantor is further required to provide financial assurance to the State of New Hampshire that funds will be available in the future to cover the cost of all required closure and post-closure activities of the Facility. The Grantor has elected to satisfy its obligation to provide financial assurance for the Facility by obtaining a [**Surety Bond/Letter of Credit**] in the amount of **\$49,006.00** from [**TD Bank, N.A.**] and by establishing this standby trust agreement, both for the benefit of the State of New Hampshire.

The Grantor, acting through its duly authorized officers, has selected the Trustee to fulfill the obligations identified for the Trustee under this Agreement and the Trustee is willing to act in that capacity and to fulfill its obligations under this Agreement.

THEREFORE, the Grantor and the Trustee agree as follows:

Section 1. Identification of Facility and Closure Work.

(a) This Agreement pertains to the Facility, as more specifically described in the Permit, the Closure Work and to the [**Surety Bond/Letter of Credit**], a copy of which is attached as **Appendix A**. No provision is hereby made for closure of other existing or proposed phases of the Facility.

(b) The Closure Work is defined as all work, materials, labor or other services required under the Facility's closure plan, permits, approvals related thereto and/or laws and rules of the

State of New Hampshire, as they may be amended from time to time, to carry out closure and 30 years of post-closure monitoring and maintenance of the Facility.

(c) Current estimates for the cost of the Closure Work total **\$49,006.00**. The cost of the Closure Work may be revised from time to time as necessary to more accurately reflect actual anticipated costs.

Section 2. Establishment of Fund. Pursuant to the conditions of this Agreement, the Grantor and the Trustee hereby establish a standby trust fund (the "Fund") for the benefit of the State of New Hampshire, through its Department of Environmental Services, Waste Management Division. The Fund is dedicated exclusively to the Closure Work at the Facility. The Grantor and the Trustee intend that no third party have access to the Fund except as herein provided. The Commissioner of DES, or the Commissioner's duly appointed designee, shall exercise all powers and responsibilities given to the State of New Hampshire herein. The Commissioner may designate another state official to exercise those powers and responsibilities in his or her stead with ten days written notice to the Trustee and Grantor.

Section 3. Payment Comprising the Fund.

(a) The Fund is established initially with the delivery and deposit of the **[Surety Bond/Letter of Credit]** with the Trustee. The amount guaranteed under the **[Surety Bond/Letter of Credit]** shall be deposited in the Fund in the event payment is triggered under the **[Surety Bond/Letter of Credit]** and funds are received by the Trustee.

(b) The Fund will consist of monies paid under the **[Surety Bond/Letter of Credit]**, any other cash or securities acceptable to the Trustee subsequently deposited in the Fund, and all earnings, interest and profits thereon, less any payments or distributions made by the Trustee pursuant to this Agreement.

(c) The Fund shall be held by the Trustee, in trust, as hereinafter provided. The Trustee shall not be responsible nor shall it undertake any responsibility for the amount or adequacy of any payments necessary to discharge any obligations of the Grantor, nor shall the Trustee have any duty to collect such payments from the Grantor or Surety.

Section 4. Payment for Closure Work. Upon receipt of funds from the **[Surety/Letter of Credit Issuer]**, the Trustee shall make payments from the Fund as the Commissioner shall direct in writing to provide for the payment of the Closure Work consistent with this Agreement. The Trustee shall reimburse the Grantor or other persons as specified by the Commissioner from the Fund for Closure Work expenditures in such amounts as the Commissioner shall direct in writing. In addition, the Trustee shall refund to the Grantor such amounts as DES specifies in writing. Upon refund, such refunds shall no longer constitute part of the Fund as defined herein. The Trustee shall account for each disbursement from the Fund consistent with the Commissioner's instructions. The Trustee shall notify the Commissioner and the Grantor when all monies have been disbursed.

Section 5. Trustee Management. The Trustee shall invest and reinvest the principal

and income of the Fund and keep the Fund invested as a single fund, without distinction between principal and income, in accordance with general investment policies and guidelines which the Grantor may communicate in writing to the Trustee from time to time, subject to the provisions of this Section and state law. All investments shall provide for the preservation of the principal of the Fund. In investing, reinvesting, exchanging, selling, and managing the Fund, the Trustee shall discharge his duties with respect to the Fund solely in the interest of DES, the beneficiary, and with the care, skill, prudence and diligence under the circumstances then prevailing which persons of prudence, acting in a like capacity and familiar with such matters, would use in the conduct of an enterprise of a like character and with like aims; except that:

(a) Securities or other obligations of the Grantor, or any other owner or operator of the facilities, or any of their affiliates as defined in the Investment Company Act of 1940, as amended, 15 U.S.C. 80a-2.(a), shall not be acquired or held, unless they are securities or other obligations of the federal or a state government;

(b) The Trustee is authorized to invest the Fund in time or demand deposits of the Trustee, to the extent insured by an agency of the federal or state government; and

(c) The Trustee is authorized to hold cash awaiting investment or distribution un-invested for a reasonable time and without liability for the payment of interest thereon.

Section 6. Commingling and Investment. The Trustee is expressly authorized in its discretion:

(a) To transfer from time to time any or all of the assets of the Fund to any common, commingled, or collective trust fund created by the Trustee in which the Fund is eligible to participate, subject to all of the provisions thereof, to be commingled with the assets of other trusts participating therein; and

(b) To purchase shares in any investment company registered under the Investment Company Act of 1940, 15 U.S.C. 80a-1 et seq., including one which may be created, managed, underwritten, or to which investment advice is rendered or the shares of which are sold by the Trustee. The Trustee may vote such shares in its discretion.

Section 7. Express Powers of Trustee. Without in any way limiting the powers and discretions conferred upon the Trustee by the other provisions of this Agreement or by law, the Trustee is expressly authorized and empowered:

(a) To sell, exchange, convey, transfer, or otherwise dispose of any property held by it, by public or private sale. No person dealing with the Trustee shall be bound to see to the application of the purchase money or to inquire into the validity or expediency of any such sale or other disposition;

(b) To make, execute, acknowledge, and deliver any and all documents of transfer and conveyance and any and all other instruments that may be necessary or appropriate to carry out the powers herein granted;

(c) To register any securities held in the Fund in its own name or in the name of a

nominee and to hold any security in bearer form or in book entry, or to combine certificates representing such securities with certificates of the same issue held by the Trustee in other fiduciary capacities, or to deposit or arrange for the deposit of such securities in a qualified central depository even though, when so deposited, such securities may be merged and held in bulk in the name of the nominee of such depository with other securities deposited therein by another person, or to deposit or arrange for the deposit of any securities issued by the United States Government, or any agency or instrumentality thereof, with a Federal Government, or any agency or instrumentality thereof, with a Federal Reserve bank, but the books and records of the Trustee shall at all times show that all such securities are part of the Fund;

(d) To deposit any cash in interest-bearing accounts maintained or savings certificates issued by the Trustee, in its separate corporate capacity, or in any other banking institution affiliated with the Trustee, to the extent insured by an agency of the Federal or State government; and

(e) To compromise or otherwise adjust all claims in favor of or against the Fund.

Section 8. Taxes and Expenses. All taxes of any kind that may be assessed or levied against or in respect of the Fund and all brokerage commissions incurred by the Fund shall be paid from the Fund. All other expenses incurred by the Trustee in connection with the administration of this Trust shall be paid by the Grantor, including fees for legal services rendered to the Trustee, the compensation of the Trustee, and all other proper charges and disbursements of the Trustee. In the event the Grantor fails to pay the Trustee in accordance with this Section and written demand on the Grantor for payment does not result in prompt payment, the Trustee is entitled to payment from the Fund after written notification to DES.

Section 9. Annual Valuation. The Trustee shall annually, after the first deposit of monies from the [Surety Bond/Letter of Credit], at least 30 days before the anniversary date of the first deposit, furnish to the Grantor and to the Commissioner a statement confirming the value of the Fund. Any securities in the Fund shall be valued at market value as of no more than 60 days before the anniversary date of the first deposit.

Section 10. Advice of Counsel. The Trustee may from time to time consult with counsel, who may be counsel to the Grantor, with respect to any question arising as to the construction of this Agreement or any action to be taken hereunder. The Trustee shall be fully protected, to the extent permitted by law, in acting upon the advice of counsel. To the extent the Trustee consults with counsel for the Grantor with respect to questions concerning the interpretation of this Agreement, or actions to be taken hereunder, the Trustee shall be fully protected, to the extent permitted by law, in acting upon the advice of such counsel, if the Trustee has communicated such questions and proposed interpretations or advice to the Commissioner in writing, and if the Commissioner has not objected to the proposed interpretation or advice within 30 days of notification.

Section 11. Trustee Compensation. The Trustee shall be entitled to reasonable

compensation for its services as agreed upon in writing from time to time with the Grantor.

Section 12. Successor Trustee. The Trustee may resign or the Grantor may replace the Trustee, but such resignation or replacement shall not be effective until the Grantor has appointed a successor trustee, DES approves the proposed successor, and the successor accepts the appointment. The successor trustee shall have the same powers and duties as those conferred upon the Trustee hereunder. Upon the successor trustee's acceptance of the appointment, the Trustee shall assign, transfer, and pay over to the successor trustee the funds and properties then constituting the Fund. If for any reason the Grantor cannot or does not act in the event of the resignation of the Trustee, the Trustee may apply to a court of competent jurisdiction for the appointment of a successor trustee or for instructions. The successor trustee shall specify the date on which it assumes administration of the trust in a writing sent to the Grantor, DES, and the present Trustee by certified mail ten days before such change becomes effective. Any expenses incurred by the Trustee as a result of the acts contemplated by this Section shall be paid by the Grantor as provided in Section 8.

Section 13. Instructions to the Trustee. All orders, requests, and instructions by the Grantor to the Trustee shall be in writing, signed by such persons as are designated in **Appendix B** or such others as may be designated by amendment to **Appendix B**. The Trustee shall be fully protected in acting without inquiry in accordance with the Grantor's orders, requests, and instructions where Grantor is authorized under this Agreement to issue such orders, requests and instructions. All orders, requests and instructions by DES to the Trustee shall be in writing, signed by the Commissioner. The Trustee shall act and shall be fully protected in acting in accordance with such orders, requests, and instructions. The Trustee shall have the right to assume, in the absence of written notice to the contrary, that no event constituting a change or a termination of the authority of any person on behalf of the Grantor or DES has occurred. The Trustee shall have no duty to act in the absence of such orders, requests and instructions from the Grantor and/or DES, except as provided for herein. In the event that the Trustee receives contradicting instructions from the Grantor and the Commissioner, or in the event of a dispute between the Grantor and the Commissioner, the Trustee shall be entitled to rely and act upon the instructions of the Commissioner without incurring any liability and obligation with respect to the Grantor.

Section 14. Amendment of Agreement. This Agreement may be amended by an instrument in writing executed by the Grantor and the Trustee, after approval by DES, or by the Trustee and DES if the Grantor ceases to exist and has no successor or assign.

Section 15. Irrevocability and Termination. Subject to the right of the parties to amend this Agreement as provided in Section 14, this Trust shall be irrevocable and shall continue until terminated as provided below. The Fund shall terminate at the earliest of:

(a) The written agreement of the Grantor, the Trustee and the Commissioner, or by the Trustee and the Commissioner, if the Grantor ceases to exist and has no successor or assign.

(b) Certification by the Commissioner that the Closure Work at the Facility has been fully completed.

Upon termination of the Fund, all property remaining in the Fund, less final trust administration expenses shall be delivered to the Grantor.

Section 16. Immunity and Indemnification. The Trustee shall not incur personal liability of any nature in connection with any act or omission, made in good faith, in the administration of this Fund, or in carrying out any directions by the Grantor or DES issued in accordance with this Agreement. The Trustee shall be indemnified and saved harmless by the Grantor or, if recourse against the Grantor fails, from the Fund from and against any personal liability to which the Trustee may be subjected by reason of any act or conduct in its official capacity, including all expenses reasonably incurred in its defense in the event the Grantor fails to provide such defense.

Section 17. Choice of Law. This Agreement shall be administered, construed, and enforced according to the laws of the State of New Hampshire.

Section 18. Interpretation. As used in this Agreement, words in the singular include the plural and words in the plural include the singular. The descriptive headings for each Section of this Agreement shall not affect the interpretation or the legal efficacy of this Agreement.

Section 19. Successors and Assigns. This Agreement shall inure to the benefit of and be binding upon the successors and assigns of the parties hereto. The Grantor may not assign its rights and obligations under this Agreement to any other party without the prior written consent of the Commissioner.

Section 20. Incorporation of Preamble. The parties to this Agreement adopt and incorporate the assertions of the Preamble as though fully set forth herein.

IN WITNESS WHEREOF, the parties have caused this Agreement to be executed by their respective officers duly authorized and their corporate seals to be hereunto affixed and attested as of the date first above written.

Witness

By [Grantor]: _____
[Certificate of Corporate Authority]

Witness

By [Trustee]: _____
[Certificate of Corporate Authority]

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this _____ day of _____, 20__, by _____ of _____.

Notary Public

My Commission Expires: _____

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this _____ day of _____, 20__, by _____ of _____.

Notary Public

My Commission Expires: _____

Date of Last Revision: 6/20/11

IRREVOCABLE LETTER OF CREDIT

Robert R. Scott, Commissioner
N. H. Department of Environmental Services
29 Hazen Drive, PO Box 95
Concord, NH 03302-0095

Dear Commissioner Scott:

We hereby establish our Irrevocable Letter of Credit **No.** _____ in your favor, at the request and for the account of **Julie A. Shaw d/b/a Greater Waste Solutions, LLC, 426 Fitchburg Road, Greenville, NH, 03048 (Mailing Address: 124 Old Wilton Road, Greenville, NH 03048)**, up to the aggregate amount of **Forty-Nine Thousand, Six U.S. dollars \$49,006.00** available upon presentation of:

- (1) your sight draft, bearing reference to this Letter of Credit **No.** _____, and
- (2) your signed statement reading as follows: "I certify that the amount of the draft is payable pursuant to regulations issued under authority of New Hampshire Revised Statutes Annotated, Chapter 149-M."

This letter of credit is effective as of **[date]** and shall expire on **[date at least one year later]**, but such expiration date shall be automatically extended for a period of **[at least one year]**, on **[date]** and on each successive expiration date, unless, at least 120 days before the current expiration date, we notify both you and **Julie A. Shaw d/b/a Greater Waste Solutions, LLC**, by certified mail that we have decided not to extend this letter of credit beyond the current expiration date. In the event that you are so notified, any unused portion of the credit shall be available upon presentation of your sight draft for 120 days after the date of receipt by both you and **Julie A. Shaw d/b/a Greater Waste Solutions, LLC**, as shown on the signed return receipts.

Whenever this letter of credit is drawn on under and in compliance with the terms of this credit, we shall duly honor such draft upon presentation to us, and we shall deposit the amount of the draft directly into the standby trust fund of **Julie A. Shaw d/b/a Greater Waste Solutions, LLC**, in accordance with your instruction.

[Signature(s) and title(s) of official(s) of issuing institution] [Date]

This credit is subject to the New Hampshire Uniform Commercial Code, N.H. RSA Chapter 382-A, Article 5.

Date of Last Revision: 6/20/11

Appendix B
Designated Persons

Name

Facility/Company

Address

Phone

Fax

E-mail

SITE DEVELOPMENT PLAN SET
TAX MAP 2, LOTS 17-1, 17-2 & 37-1
GREATER WASTE SOLUTIONS, LLC

SOLID WASTE COLLECTION / STORAGE / TRANSFER FACILITY &
SCRAP METAL COLLECTION AND RECYCLING CENTER (MONEY FOR METALS)

NH ROUTE 31 - FITCHBURG ROAD
GREENVILLE, NEW HAMPSHIRE

MAY 2, 2017
LAST REVISED: APRIL 14, 2022

LIST OF ABUTTERS

MAP 2 LOTS 17-1, 17-2, 37-1
GMB LEASING, LLC
184 MASON ROAD,
NEW IPSWICH, NH 03071
BK.8948, PG.935, 3/17/17
BK.7014, PG.2422, 7/31/03

MAP 2 LOT 17
HANS G. & KAREN CHEMELLO
60 PAYSON HILL RD. APT. 101
RINDGE, NH 03461

MAP 2 LOT 18
148 PLEASANT STREET, LLC
148 PLEASANT STREET
GREENVILLE, NH 03048
BK.8853, PG.89, 5/6/16

MAP 2 LOT 19
TONY S. ZINA JR.
& KRISTINE ZINA
142 PLEASANT STREET
GREENVILLE, NH 03048
9/13/16

MAP 2 LOT 20-1
ROBERT J. BARGER
50 BLOOD ROAD,
TOWNSEND, MA 01469
BK.8925, PG.2149, 12/7/16

MAP 2 LOT 20-2
CO-AD REALTY, LLC
59 ARMORY ROAD,
MILFORD, NH 03055
BK.8710, PG.2824, 12/1/14

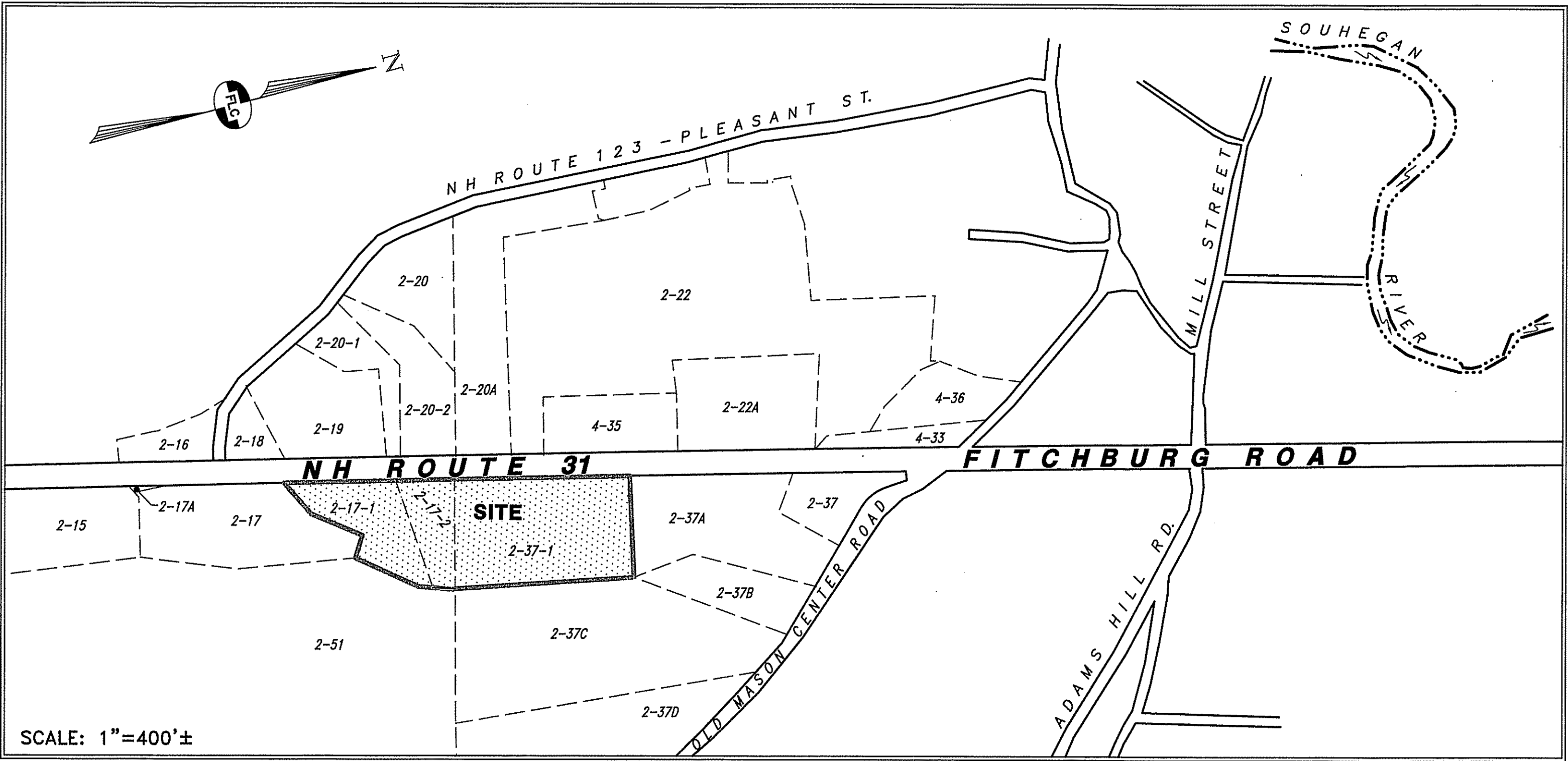
MAP 2 LOT 20A
TOWN OF GREENVILLE
P.O. BOX 343,
GREENVILLE, NH 03048
BK.1471, PG.32, 7/30/56

MAP 2 LOT 22
NANCY S. BROOKS
28 PLEASANT STREET
GREENVILLE, NH 03048
BK.7294 PG.220 8/6/04

MAP 4 LOT 35
TOWN OF GREENVILLE
P.O. BOX 343,
GREENVILLE, NH 03048

MAP 2 LOTS 37A, 37B & 37C
MICHAEL D. & KAY F. LAMARRE
22 OLD MASON CENTER ROAD
GREENVILLE, NH 03048
BK.8931, PG.2048, 12/27/16

MAP 2 LOT 51
TIMOTHY C. & CLAIRE WASHBURN
66 MASON ROAD
GREENVILLE, NH 03048
BK.7763 PG.2563 11/03/06

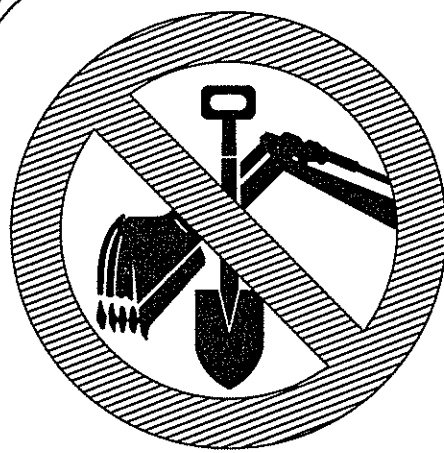


SHEET INDEX

PAGE	SHEET	TITLE
1	CV-1	COVER SHEET
2	EX-1	EXISTING CONDITIONS & CONSOLIDATION PLAN
3	SP-1	OVERALL SITE PLAN
4	OP-1	OPERATIONS PLAN
5	GR-1	SITE GRADING & DRAINAGE PLAN
6	UT-1	SITE UTILITY PLAN
7	LT-1	SITE LIGHTING PLAN
8	EC-1	EROSION & SEDIMENT CONTROL PLAN
9	PP-1	WATER MAIN EXTENSION PLAN AND PROFILE
10	DT-1	EROSION CONTROL DETAILS
11	DT-2	CONSTRUCTION DETAILS
12	DT-3	DRAINAGE DETAILS
13	DT-4	STORMWATER MANAGEMENT DETAILS
14	DT-5	WATER CONSTRUCTION DETAILS
15	DT-6	SEWER CONSTRUCTION DETAILS
16	DT-7	INTERIOR FLOOR PLANS AND BUILDING SECTIONS

PREPARED FOR:
GREATER WASTE SOLUTIONS, LLC
124 OLD WILTON ROAD
GREENVILLE, NH 03048

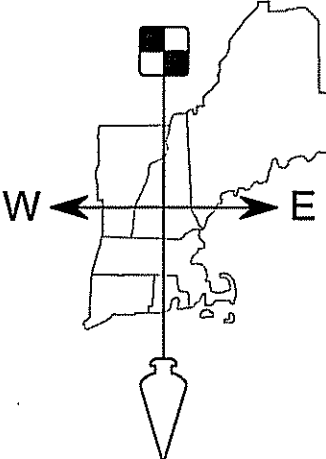
LAND OF:
GMB LEASING, LLC
124 OLD WILTON ROAD
GREENVILLE, NH 03048



1. THE LOCATION OF THE UTILITIES SHOWN ARE APPROXIMATE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE AND PRESERVE ALL UTILITY SERVICES.
2. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING AND COORDINATING WITH ALL UTILITY COMPANIES AND JURISDICTIONAL AGENCIES PRIOR TO AND DURING CONSTRUCTION.
3. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND PROPOSED WORK PRIOR TO CONSTRUCTION.

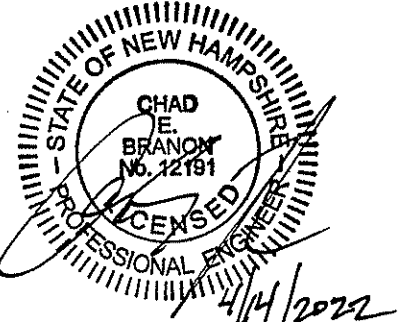
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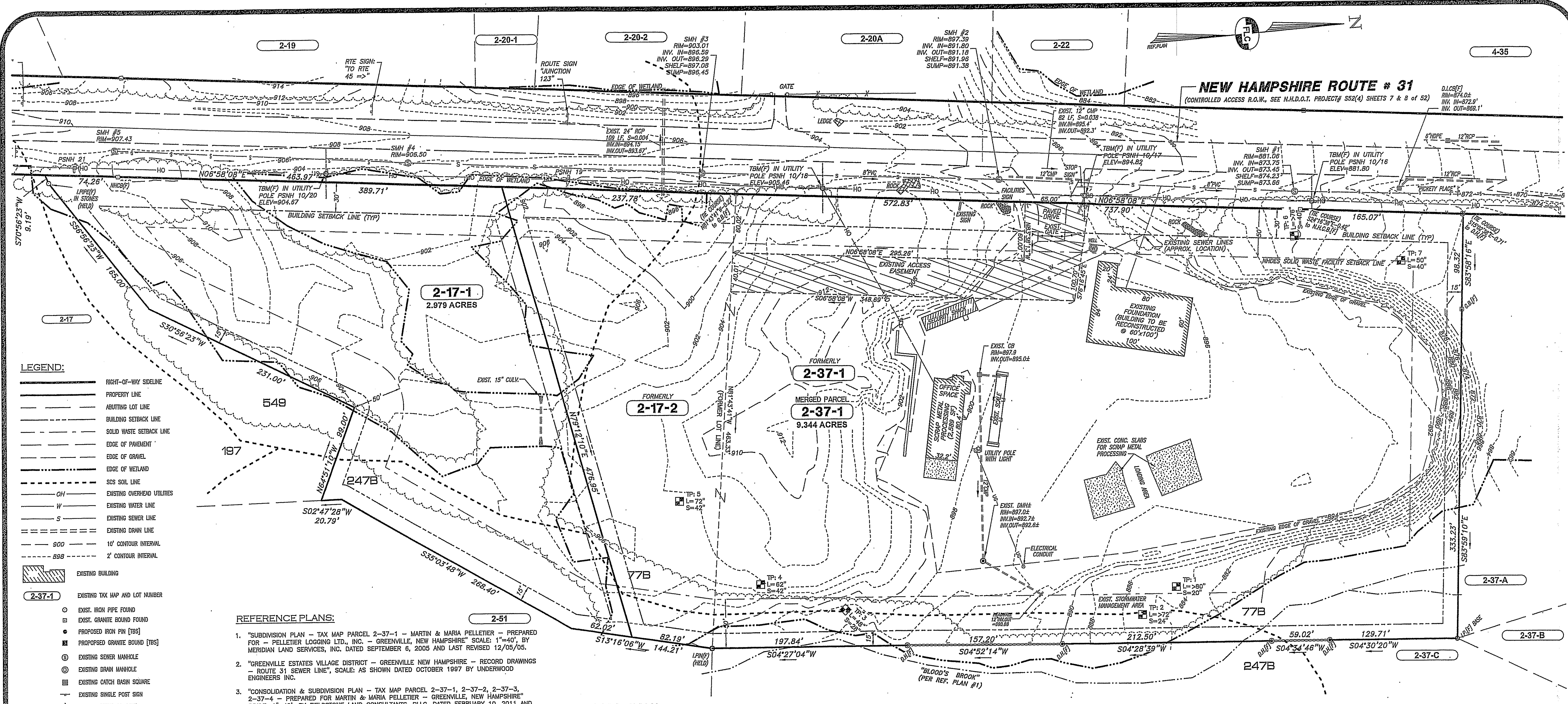


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REV.	DATE	DESCRIPTION	C/O	DR	CK
N	4/14/22	REVS PER NHDES RFM 1/14/2022	---	CLR	CEB
M	9/14/21	REVISIONS PER DES REVIEW	---	CLR	CEB
L	11/17/20	REVISIONS PER DOT REVIEW	---	CLR	CEB
K	10/27/20	REVISIONS PER DOT REVIEW	---	CLR	CEB
J	4/30/20	REVISIONS PER CLIENT & IN HSE REVIEW	GWS	CEB	CEB
I	10/01/18	12" WATER MAIN LENGTH, 8" MAIN LENGTH/LOCATION	GWS	NRC	CEB
H	05/15/18	REVISE WATER MAIN TO ON-SITE HYDRANT FROM 6" TO 8"	GFD	NRC	CEB
G	04/11/18	MINOR, ADDRESS 4/05/18 UEI REVIEW, SHTS 5 & 8	UEI	NRC	CEB
F	04/05/18	ADD SHEET 15, MINOR SITE, UTILITY PLAN REVS	GWS	NRC	CEB
E	03/22/18	ADDRESS DOT REVIEW	DOT	NRC	CEB
D	03/21/18	ADDRESS UEI 2/12/18 REVIEW	UEI	NRC	CEB
C	12/07/17	METAL PROCESSING AREA, ADDRESS AOT COMMENTS	GWS/AOT	NRC	CEB
REV.	DATE	DESCRIPTION	C/O	DR	CK
FILE:	204CV02N.dwg	PROJ. NO. 204.02	SHEET: CV-1	PAGE 1	



- LEGEND:**
- RIGHT-OF-WAY SIDELINE
 - PROPERTY LINE
 - ABUTTING LOT LINE
 - BUILDING SETBACK LINE
 - SOLID WASTE SETBACK LINE
 - EDGE OF PAVEMENT
 - EDGE OF GRAVEL
 - EDGE OF WETLAND
 - SSS SOIL LINE
 - OH EXISTING OVERHEAD UTILITIES
 - W EXISTING WATER LINE
 - S EXISTING SEWER LINE
 - EXISTING DRAIN LINE
 - 10' CONTOUR INTERVAL
 - 2' CONTOUR INTERVAL
 - EXISTING BUILDING

- 2-37-1** EXISTING TAX MAP AND LOT NUMBER
- EXIST. IRON PIPE FOUND
 - EXIST. GRANITE BOUND FOUND
 - PROPOSED IRON PIN [TBS]
 - PROPOSED GRANITE BOUND [TBS]
 - ⊙ EXISTING SEWER MANHOLE
 - ⊙ EXISTING DRAIN MANHOLE
 - EXISTING CATCH BASIN SQUARE
 - ⊙ EXISTING SINGLE POST SIGN
 - ⊙ EXISTING WATER HYDRANT
 - ⊙ EXISTING WATER VALVE
 - ⊙ EXISTING SHUT-OFF
 - ⊙ EXISTING WELL

SOILS CLASSIFICATION:

77B MARLOW STONY LOAM, 3-8% SLOPES
247B LYME STONY LOAM, 0-5% SLOPES
549 PEACHAM MUCKY PEAT, 0-8% SLOPES

SOILS INFORMATION SHOWN WAS DEVELOPED FROM THE U.S.D.A. S.C.S. SOIL SURVEY OF HILLSBOROUGH COUNTY, WESTERN PART

ZONING NOTE

DEPICTION OF THE ZONING/BUILDING SETBACKS SHOWN WERE INTERPRETED AND DEVELOPED BY FIELDSTONE LAND CONSULTANTS, PLLC PER THE CURRENT ZONING ORDINANCE. FINAL DETERMINATIONS SHOULD BE MADE BY THE PROPER ZONING AUTHORITY.

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- REFERENCE PLANS:**
- "SUBDIVISION PLAN - TAX MAP PARCEL 2-37-1 - MARTIN & MARIA PELLETIER - PREPARED FOR - PELLETIER LOGGING LTD., INC. - GREENVILLE, NEW HAMPSHIRE" SCALE: 1"=40', BY MERIDIAN LAND SERVICES, INC. DATED SEPTEMBER 6, 2008 AND LAST REVISED 12/05/08.
 - "GREENVILLE ESTATES VILLAGE DISTRICT - GREENVILLE NEW HAMPSHIRE - RECORD DRAWINGS - ROUTE 31 SEWER LINE", SCALE: AS SHOWN DATED OCTOBER 1997 BY UNDERWOOD ENGINEERS INC.
 - "CONSOLIDATION & SUBDIVISION PLAN - TAX MAP PARCEL 2-37-1, 2-37-2, 2-37-3, 2-37-4 - PREPARED FOR MARTIN & MARIA PELLETIER - GREENVILLE, NEW HAMPSHIRE" SCALE: 1"=40', BY FIELDSTONE LAND CONSULTANTS, PLLC, DATED FEBRUARY 10, 2011 AND LAST REVISED 04/10/11. HCRD PLAN#: 37368

- NOTES:**
- THE OWNER OF RECORD IS GWS LEASING, LLC, 184 MASON ROAD, NEW IPSWICH, NH 03071. DEED REFERENCE: BK: 894B, PG: 935, DATED MARCH 1, 2017 IN THE H.C.R.D.
 - THE PURPOSE OF THIS PLAN IS TO SHOW THE EXISTING IMPROVEMENTS OVER THE SUBJECT PROPERTIES AND TO CONSOLIDATE TAX MAP PARCELS 2-37-1 AND 2-17-2 AS SHOWN.
 - EXISTING TAX PARCEL NUMBERS ARE 2-17-1, 2-17-2 & 2-37-1
 - THE SUBJECT PARCEL IS ZONED COMMERCIAL. MINIMUM LOT SIZE IS ONE HALF ACRE WITH 75 FEET OF FRONTAGE. MINIMUM BUILDING SETBACKS ARE 30' FRONT AND 15' SIDE AND REAR.
 - THE TOTAL AREA OF PARCEL 2-37-1 IS 9.344± ACRES (407,044± S.F.) WITH 974± L.F. OF FRONTAGE ON NH ROUTE 31.
 - BOUNDARY INFORMATION WAS DEVELOPED ENTIRELY FROM REFERENCE PLAN #1 AS CITED.
 - TOPOGRAPHIC INFORMATION SHOWN IS THE RESULT OF AN ACTUAL SURVEY CONDUCTED BY THIS OFFICE IN FEBRUARY 2011 AND THE REFERENCE PLAN CITED HEREIN. HORIZONTAL ORIENTATION IS PER REFERENCE PLAN #1 AND VERTICAL DATUM IS NGVD 1929 PER REFERENCE PLAN #2. BENCHMARK IS A SPIKE FOUND IN UTILITY POLE PSNH 10/16, ELEV.= 881.90'.
 - WETLANDS WERE DELINEATED AS SHOWN IN ACCORDANCE WITH THE "FEDERAL MANUAL FOR IDENTIFYING AND DELINEATING JURISDICTIONAL WETLANDS" TECHNICAL REPORT Y-87-1, JANUARY 1987 BY CHRISTOPHER A. GUIDA, C.W.S. IN JULY 2005 AND FIELD VERIFIED IN OCTOBER 2016.
 - THE SUBJECT PARCELS LIE OUTSIDE THE BOUNDARY OF THE 100 YEAR FLOOD PLAIN PER FLOOD INSURANCE RATE MAP FOR THE TOWN OF GREENVILLE, HILLSBOROUGH COUNTY NH, F.I.R.M. COMMUNITY PANEL NUMBER 33011C0430 DATED SEPTEMBER 25, 2009.
 - THE SUBJECT PARCEL IS SERVICED BY ON-SITE WATER AND MUNICIPAL SEWER.
 - THERE ARE NO BUILDINGS WITHIN 60 FT. OR DRIVEWAYS WITHIN 200 FT. OF THE PARCEL EXCEPT AS SHOWN HEREON.
 - THERE ARE NO KNOWN EASEMENTS, COVENANTS, OR DEED RESTRICTIONS OTHER THAN THOSE SHOWN.
 - THE SITE PLAN REVIEW REGULATIONS OF THE TOWN OF GREENVILLE ARE A PART OF THIS PLAN, AND APPROVAL OF THIS PLAN IS CONTINGENT ON COMPLETION OF ALL REQUIREMENTS OF SAID REGULATIONS, EXCEPTING ONLY ANY VARIANCES OR MODIFICATIONS MADE IN WRITING BY THE GREENVILLE PLANNING BOARD AND ATTACHED HERETO.

CERTIFICATION:

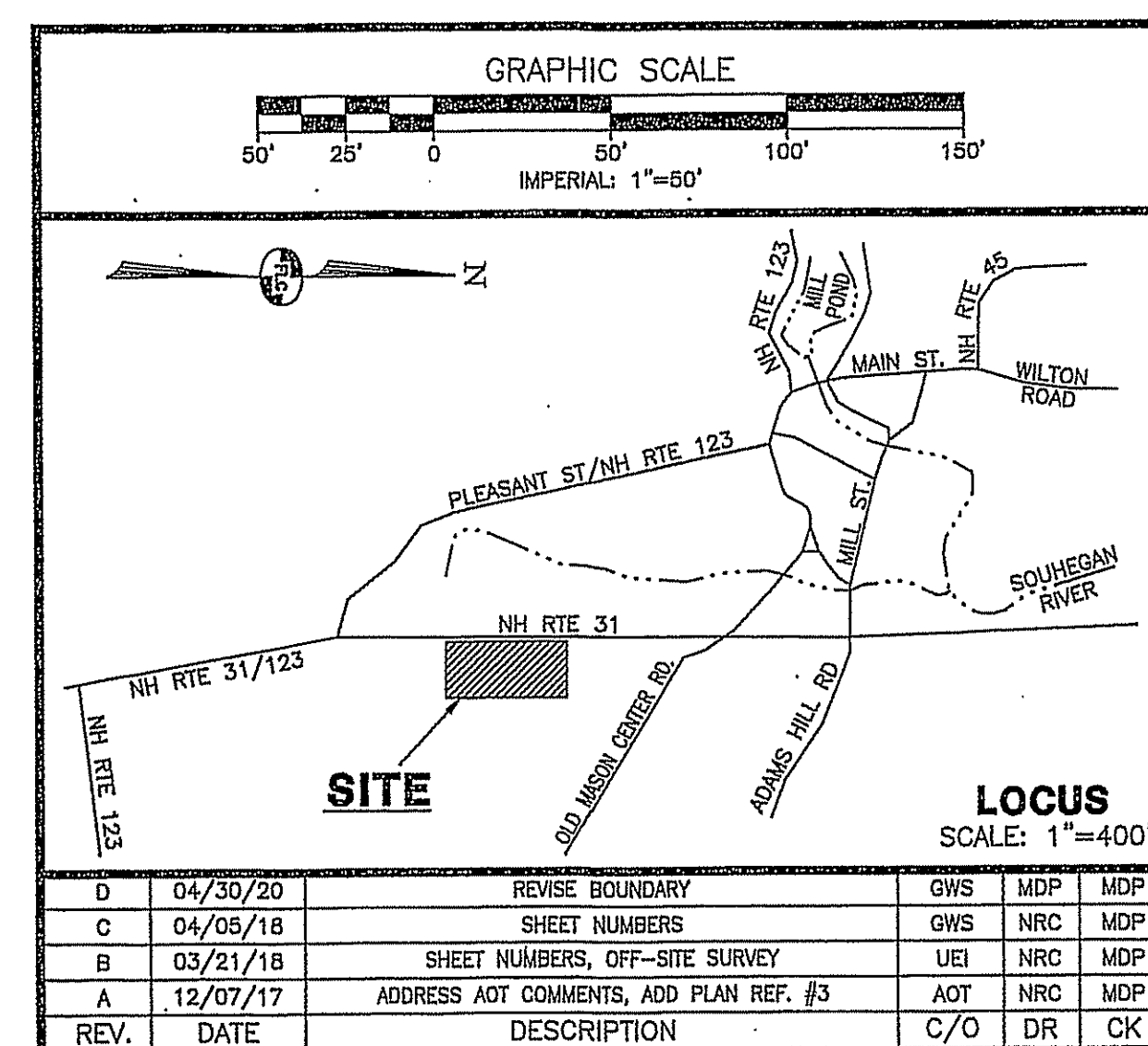
"I HEREBY CERTIFY THIS PLAN WAS PRODUCED ENTIRELY FROM THE REFERENCE PLAN CITED HEREON AND THAT IT IS MATHEMATICALLY CORRECT."

DATE: _____

CERTIFICATION:

WETLANDS WERE DELINEATED IN ACCORDANCE WITH THE US ARMY CORPS OF ENGINEERS 1987 WETLAND DELINEATION MANUAL Y-87-1 AND REGIONAL SUPPLEMENT FOR NORTHEAST AND NORTH CENTRAL REGION AND FIELD INDICATORS FOR IDENTIFYING HYDRIC SOILS IN NEW ENGLAND, VERSION 4 BY CHRISTOPHER A. GUIDA, C.W.S. IN SEPTEMBER 2005 AND VERIFIED OCTOBER 2016, AND AUGMENTED ALONG NH ROUTE 31 RIGHT OF WAY IN MARCH OF 2019.

DATE: _____



EXISTING CONDITIONS & CONSOLIDATION PLAN

GREATER WASTE SOLUTIONS, LLC

TAX MAP 2, LOTS 17-1, 17-2 & 37-1

426 FITCHBURG ROAD, GREENVILLE, NH

PREPARED FOR:

GLEN & JULIE SHAW

124 OLD WILTON ROAD, GREENVILLE, NH 03048

SCALE: 1" = 50'

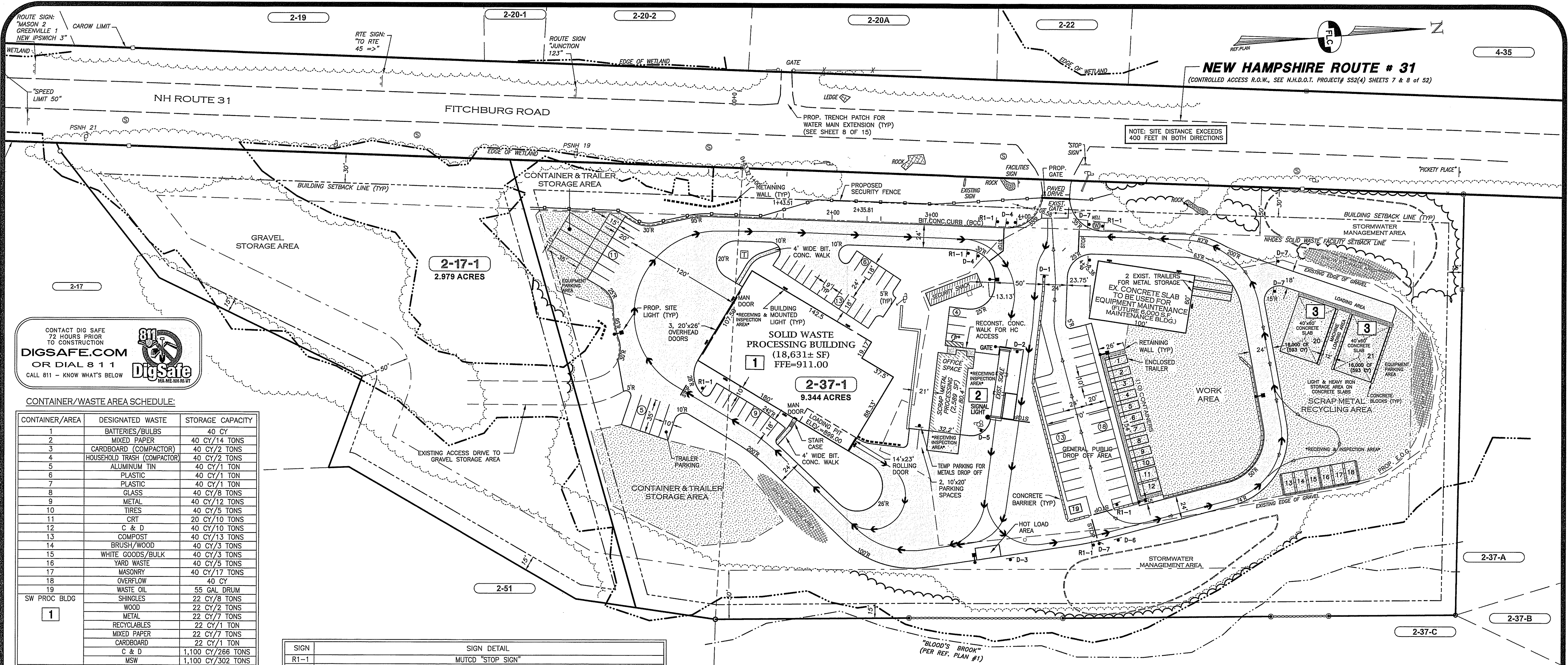
MAY 2, 2017

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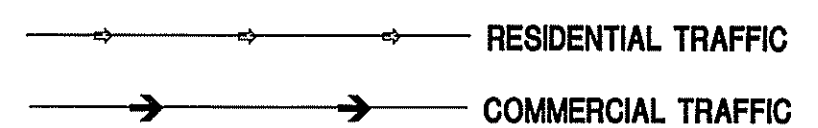


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CONTAINER/WASTE AREA SCHEDULE:

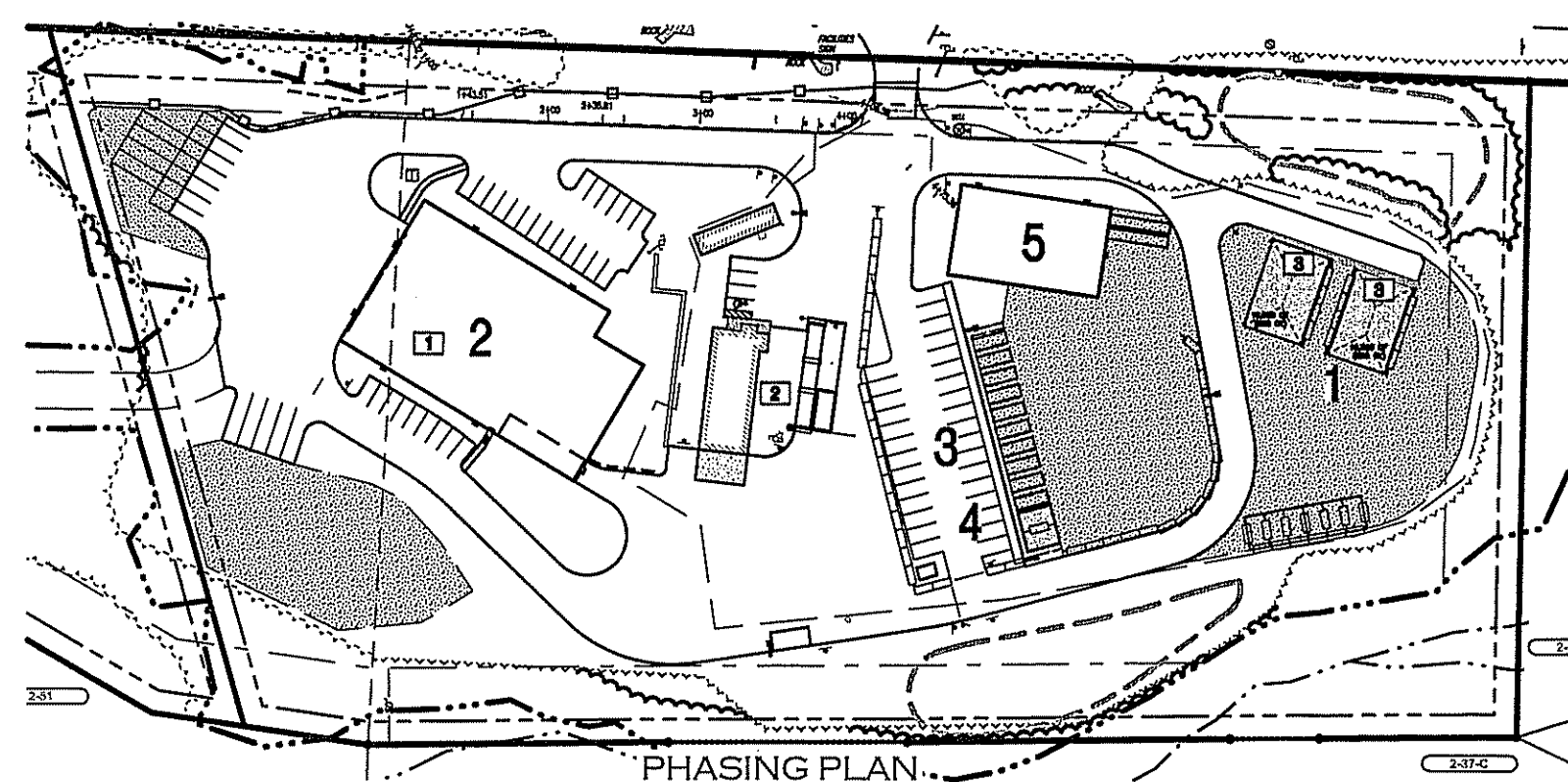
CONTAINER/AREA	DESIGNATED WASTE	STORAGE CAPACITY
1	BATTERIES/BULBS	40 CY
2	MIXED PAPER	40 CY/14 TONS
3	CARDBOARD (COMPACTOR)	40 CY/2 TONS
4	HOUSEHOLD TRASH (COMPACTOR)	40 CY/2 TONS
5	ALUMINUM TIN	40 CY/1 TON
6	PLASTIC	40 CY/1 TON
7	PLASTIC	40 CY/1 TON
8	GLASS	40 CY/8 TONS
9	METAL	40 CY/12 TONS
10	TIRES	40 CY/5 TONS
11	CRT	20 CY/10 TONS
12	C & D	40 CY/10 TONS
13	COMPOST	40 CY/13 TONS
14	BRUSH/WOOD	40 CY/3 TONS
15	WHITE GOODS/BULK	40 CY/3 TONS
16	YARD WASTE	40 CY/5 TONS
17	MASONRY	40 CY/17 TONS
18	OVERFLOW	40 CY
19	WASTE OIL	55 GAL DRUM
SW PROC BLDG	SHINGLES	22 CY/8 TONS
1	WOOD	22 CY/2 TONS
	METAL	22 CY/7 TONS
	RECYCLABLES	22 CY/1 TON
	MIXED PAPER	22 CY/7 TONS
	CARDBOARD	22 CY/1 TON
	C & D	1,100 CY/266 TONS
	MSW	1,100 CY/302 TONS
S MTL PROC BLDG	2	METAL
		39 CY/12 TONS
EXT. STOCKPILES	3	METAL
		1,570 CY/470 TONS
TRANS. TRAILER	C & D	200 CY/48 TONS
	MSW	200 CY/55 TONS
	RECYCLABLES	100 CY/6 TONS

SIGN	SIGN DETAIL
R1-1	MUTCD "STOP SIGN"
D-1	RESIDENTIAL TRAFFIC TO LEFT COMMERCIAL TO RIGHT
D-2	COMMERCIAL TRAFFIC STAY LEFT
D-3	STAY RIGHT TO WEIGHT IN (TO SCALE)
D-4	LEFT TO EXIT RIGHT TO SCALE
D-5	LEFT TO SCRAP METAL RIGHT TO SOLID WASTE
D-6	RIGHT TO EXIT, COMPOST, BRUSH/WOOD, WHITE GOODS, YARD WASTE, STUMPS, MASONRY, ASPHALT SHINGLES
D-7	MUTCD - "DO NOT ENTER"

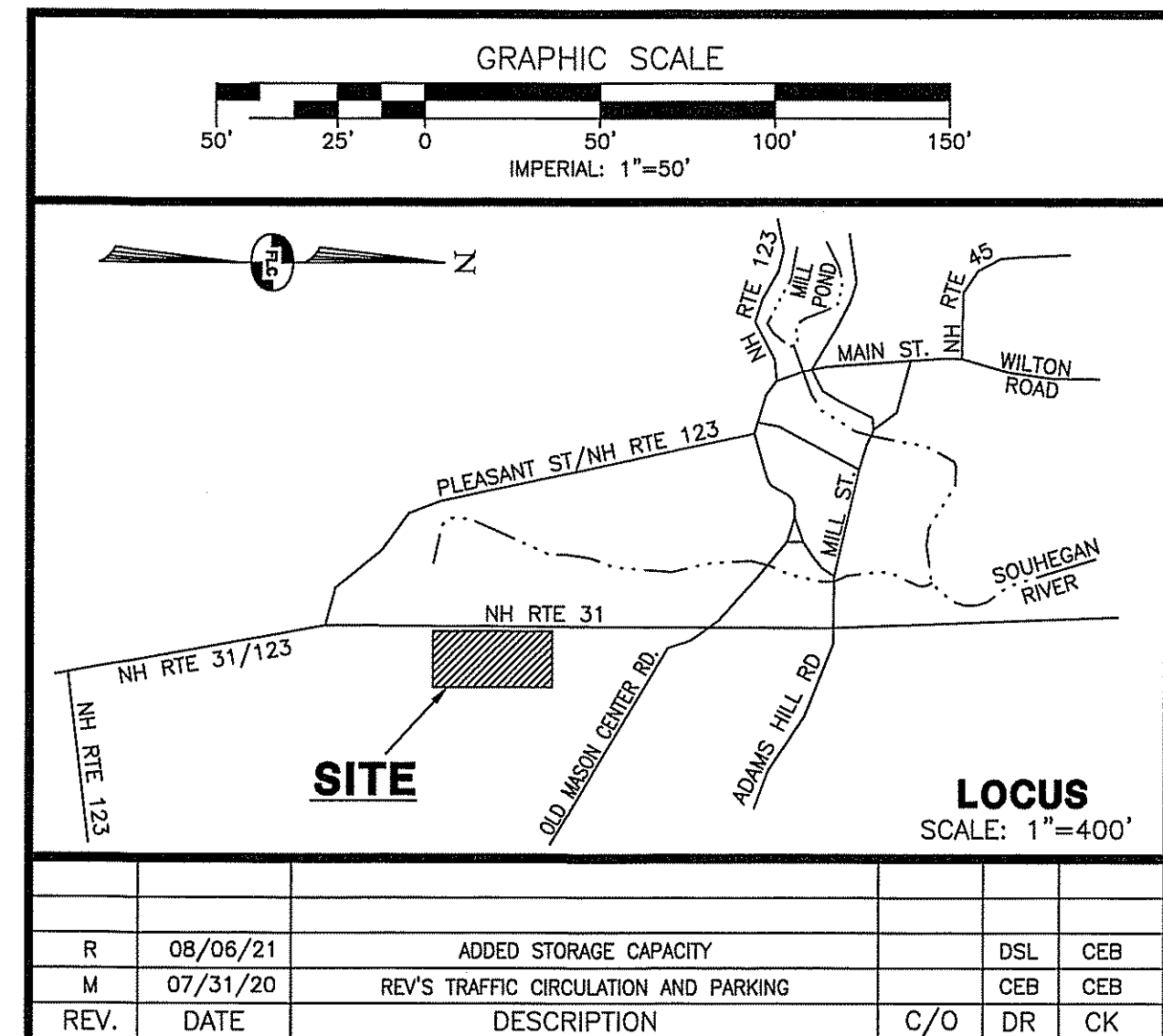
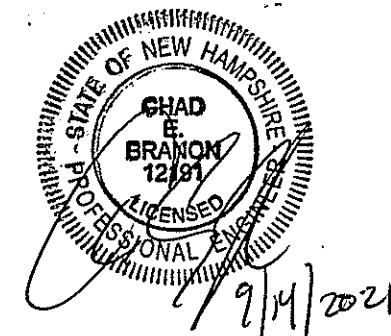


HOURS OF OPERATION:
All active and routine facility operations, including waste processing and disposal, facility inspections, maintenance, repairs, and monitoring, will occur Monday through Saturday between 6:00 AM to 6:00 PM, under normal non-emergency circumstances:

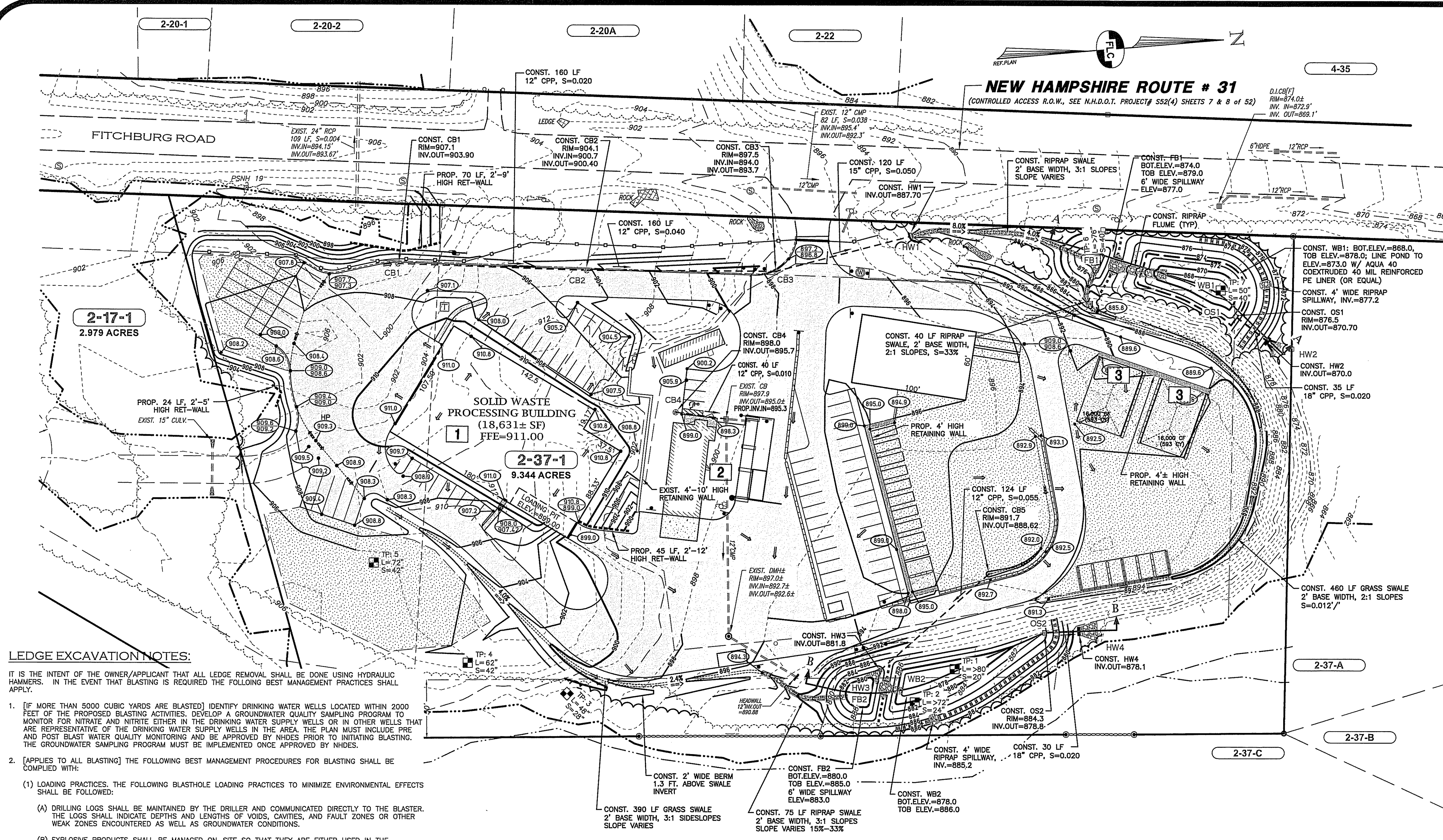
OPERATING HOURS	SUN.	MON.	TUE.	WED.	THU.	FRI.	SAT.	HOURS
	CLOSED	6:00 a - 6:00 p	6:00 a - 6:00 p	6:00 a - 6:00 p	6:00 a - 6:00 p	6:00 a - 6:00 p	6:00 a - 6:00 p	SEE WEEK
INCOMING								
RESIDENTIAL SOLID WASTE	X	Not Accepted	7:00a - 4:00p	Not Accepted	7:00a - 4:00p	Not Accepted	7:00a - 2:00p	25
PUBLIC SCRAP METAL (MINIMUM 1000 LBS)	X	7:00a - 4:00p	8:00a - 4:00p	8:00a - 4:00p	7:00a - 4:00p	8:00a - 4:00p	7:00a - 2:00p	49
PUBLIC SCRAP METAL (UP TO 999 LBS)	X	8:00a - 4:00p	Not Accepted	8:00a - 4:00p	Not Accepted	8:00a - 4:00p	Not Accepted	34
COMMERCIAL SOLID WASTE	EMERGENCY ONLY	6:00a - 6:00p	6:00a - 6:00p	6:00a - 6:00p	6:00a - 6:00p	6:00a - 6:00p	6:00a - 6:00p	72
COMMERCIAL SCRAP METAL	X	6:00a - 6:00p	6:00a - 7:00a	6:00a - 6:00p	6:00a - 7:00a	6:00a - 6:00p	6:00a - 7:00a	45
OUTGOING								
TRANSFER STATION WASTES/RECYCLABLES	EMERGENCY ONLY	6:00a - 6:00p	6:00a - 6:00p	6:00a - 6:00p	6:00a - 6:00p	6:00a - 6:00p	6:00a - 6:00p	72
SCRAP METAL RECYCLABLES	EMERGENCY ONLY	6:00a - 6:00p	6:00a - 7:00a	6:00a - 6:00p	6:00a - 7:00a	6:00a - 6:00p	2:00p - 6:00p	45
RESIDENTIAL SOLID WASTE	EMERGENCY ONLY	6:00a - 6:00p	6:00a - 7:00a	6:00a - 6:00p	6:00a - 7:00a	6:00a - 6:00p	6:00a - 7:00a	45



GENERAL NOTES:
PHASE I: RELOCATION AND CONSTRUCTION OF ADDITIONAL SCRAP METAL COLLECTION / PROCESSING AREAS.
PHASE II: CONSTRUCTION OF WASTE PROCESSING BUILDING.
PHASE III: INSTALLATION OF A RESIDENTIAL WASTE COLLECTION, PROCESSING AND RECYCLING AREA.
PHASE IV: CONSTRUCTION/INSTALLATION OF A USED OIL FOR RECYCLE COLLECTION SYSTEM.
PHASE V: CONSTRUCTION OF A MAINTENANCE BUILDING.



OPERATIONS PLAN
GREATER WASTE SOLUTIONS, LLC
TAX MAP 2, LOTS 17-1, 17-2 & 37-1
426 FITCHBURG ROAD, GREENVILLE, NH
LAND OF:
GMB LEASING, LLC
124 OLD WILTON ROAD, GREENVILLE, NH 03048
SCALE: 1" = 50' APRIL 30, 2020
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LEDGE EXCAVATION NOTES:

IT IS THE INTENT OF THE OWNER/APPLICANT THAT ALL LEDGE REMOVAL SHALL BE DONE USING HYDRAULIC HAMMERS. IN THE EVENT THAT BLASTING IS REQUIRED THE FOLLOWING BEST MANAGEMENT PRACTICES SHALL APPLY.

- [IF MORE THAN 5000 CUBIC YARDS ARE BLASTED] IDENTIFY DRINKING WATER WELLS LOCATED WITHIN 2000 FEET OF THE PROPOSED BLASTING ACTIVITIES. DEVELOP A GROUNDWATER QUALITY SAMPLING PROGRAM TO MONITOR FOR NITRATE AND NITRITE EITHER IN THE DRINKING WATER SUPPLY WELLS OR IN OTHER WELLS THAT ARE REPRESENTATIVE OF THE DRINKING WATER SUPPLY WELLS IN THE AREA. THE PLAN MUST INCLUDE PRE AND POST BLAST WATER QUALITY MONITORING AND BE APPROVED BY NHDES PRIOR TO INITIATING BLASTING. THE GROUNDWATER SAMPLING PROGRAM MUST BE IMPLEMENTED ONCE APPROVED BY NHDES.
- [APPLIES TO ALL BLASTING] THE FOLLOWING BEST MANAGEMENT PROCEDURES FOR BLASTING SHALL BE COMPLIED WITH:
 - LOADING PRACTICES. THE FOLLOWING BLASTHOLE LOADING PRACTICES TO MINIMIZE ENVIRONMENTAL EFFECTS SHALL BE FOLLOWED:
 - 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 ENCOUNTERED AS WELL AS GROUNDWATER CONDITIONS.
 - EXPLOSIVE PRODUCTS SHALL BE MANAGED ON-SITE SO THAT THEY ARE EITHER USED IN THE BOREHOLE, RETURNED TO THE DELIVERY VEHICLE, OR PLACED IN SECURE CONTAINERS FOR OFF-SITE DISPOSAL.
 - 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.
 - LOADED EXPLOSIVES 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.
 - 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.
 - 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.
 - EXPLOSIVE SELECTION. THE FOLLOWING BMPs SHALL BE FOLLOWED TO REDUCE THE POTENTIAL FOR GROUNDWATER CONTAMINATION WHEN EXPLOSIVES ARE USED:
 - EXPLOSIVE PRODUCTS SHALL BE SELECTED THAT ARE APPROPRIATE FOR SITE CONDITIONS AND SAFE BLAST EXECUTION.
 - 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.
 - PREVENTION OF MISFIRES. APPROPRIATE PRACTICES SHALL BE DEVELOPED AND IMPLEMENTED TO PREVENT MISFIRES.
 - 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:
 - REMOVE THE MUCK PILE FROM THE BLAST AREA AS SOON AS REASONABLY POSSIBLE.
 - MANAGE THE INTERACTION OF BLASTED ROCK PILES AND STORMWATER TO PREVENT CONTAMINATION OF WATER SUPPLY WELLS OR SURFACE WATER.

LEDGE EXCAVATION NOTES (CONT.):

- THE FUEL STORAGE REQUIREMENTS SHALL INCLUDE:
 - STORAGE OF REGULATED SUBSTANCES ON AN IMPERVIOUS SURFACE;
 - SECURE STORAGE AREAS AGAINST UNAUTHORIZED ENTRY;
 - LABEL REGULATED CONTAINERS CLEARLY AND VISIBLY;
 - INSPECT STORAGE AREAS WEEKLY;
 - COVER REGULATED CONTAINERS IN OUTSIDE STORAGE AREAS;
 - 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; AND
 - 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.
- THE FUEL HANDLING REQUIREMENTS SHALL INCLUDE:
 - EXCEPT WHEN IN USE, KEEP CONTAINERS CONTAINING REGULATED SUBSTANCES CLOSED AND SEALED;
 - PLACE DRIP PANS UNDER SPIGOTS, VALVES, AND PUMPS;
 - HAVE SPILL CONTROL AND CONTAINMENT EQUIPMENT READILY AVAILABLE IN ALL WORK AREAS;
 - USE FUNNELS AND DRIP PANS WHEN TRANSFERRING REGULATED SUBSTANCES; AND
 - PERFORM TRANSFERS OF REGULATED SUBSTANCES OVER AN IMPERVIOUS SURFACE.
- 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.
- 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/COMMISSIONER/PIP/FACTSHEETS/DWGB/DOCUMENTS/DWGB-22-6.PDF>]

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GENERAL CONSTRUCTION NOTES:

- ALL WORK SHALL CONFORM TO THE APPLICABLE REGULATIONS AND STANDARDS OF THE TOWN OF GREENVILLE AND SHALL BE BUILT IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS. THE TOWN OF GREENVILLE DEPARTMENT OF PUBLIC WORKS SPECIFICATIONS FOR ROAD CONSTRUCTION AND SEWERS AND DRAINS AND THE NHDOT STANDARDS FOR ROAD AND BRIDGE CONSTRUCTION APPROVED AND ADOPTED 2010 ARE HEREBY INCORPORATED BY REFERENCE.
- ROAD AND DRAINAGE CONSTRUCTION SHALL CONFORM TO THE TYPICAL SECTIONS AND DETAILS SHOWN ON THE PLANS AND THE SPECIFICATIONS NOTED ABOVE. ANY ALTERATION OF THIS DESIGN OR CHANGE DURING CONSTRUCTION MAY REQUIRE APPROVAL OF VARIOUS TOWN/CITY BOARDS OR AGENCIES AND SHALL BE DISCUSSED WITH THE OWNER AND ENGINEER PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, SIZE, AND ELEVATION OF ALL EXISTING UTILITIES SHOWN OR NOT SHOWN ON THESE PLANS AND SHALL VERIFY THAT ALL THE INFORMATION SHOWN HEREON IS CONSISTENT, COMPLETE, ACCURATE, AND CAN BE CONSTRUCTED PRIOR TO AND/OR DURING CONSTRUCTION. THE ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY DISCREPANCIES, ERRORS, OMISSIONS, OR EXISTING UTILITIES FOUND INTERFERING WITH THE PROPOSED CONSTRUCTION SO THAT REMEDIAL ACTION MAY BE TAKEN BEFORE PROCEEDING WITH THE WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACT "DIGSAFE" AT LEAST 72 HOURS PRIOR TO THE START OF CONSTRUCTION (DIAL 811).
- THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE APPROPRIATE TOWN DEPARTMENT'S PRIOR TO CONSTRUCTION TO ARRANGE FOR NECESSARY INSPECTIONS.
- BLASTING, IF REQUIRED, SHALL BE PERFORMED IN ACCORDANCE WITH THE TOWN OF GREENVILLE FIRE DEPARTMENT REGULATIONS.
- ALL DISTURBED NON-PAVED AREAS SHALL BE LOAMED AND SEEDED IMMEDIATELY UPON BEING CONSTRUCTED.
- ALL POWER WORK SHALL CONFORM TO EVERSOURCE STANDARDS.
- ALL TELEPHONE WORK SHALL CONFORM TO FAIRPOINT COMMUNICATIONS SPECIFICATIONS.
- STREET RESTORATION, IF ANY, SHALL BE IN ACCORDANCE WITH NHDOT SPECIFICATIONS.

LEGEND:

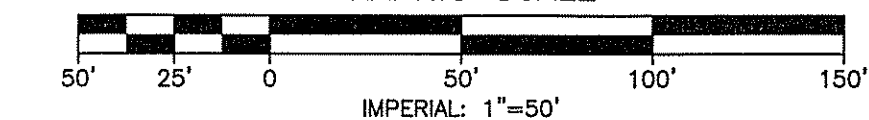
EXISTING FEATURES

- 930 --- 10' CONTOUR INTERVAL
- 932 --- 2' CONTOUR INTERVAL
- --- DRAIN LINE
- --- BOUNDARY LINE
- --- EDGE OF WETLANDS
- --- TREELINE
- --- STONE WALL
- --- GUARD RAIL
- --- WOVEN WIRE FENCE
- --- GUARD RAIL
- --- GRAVEL ROAD
- --- TREE LINE
- --- TREES
- --- BENCHMARK
- --- TEST PIT LOCATION (SEE EXIST. COND. PLAN)

PROPOSED FEATURES

- 908 --- 2 FT. CONTOUR
- 910 --- 10 FT. CONTOUR
- --- EDGE OF PAVEMENT
- --- EDGE OF GRAVEL
- --- SPOT ELEVATION
- --- TOP OF CURB PAVEMENT
- --- SURFACE WATER FLOW
- --- DRAINAGE CATCH BASIN
- --- DRAINAGE HEADWALL
- --- BUILDING MOUNTED LIGHT
- --- POLE MOUNTED LIGHT
- --- LIMITS OF CLEARING
- --- GUARD RAIL
- --- SWALE/GUTTER LINE
- --- TOP OF BERM
- --- RETAINING WALL
- --- TEMPORARY SILT FENCE
- --- EROSION CONTROL STONE
- --- GRAVEL AREA
- --- PAVED AREA OR COMPACTED SURFACE AREA

GRAPHIC SCALE



REV.	DATE	DESCRIPTION	BY	CHK
N	10/27/20	REVISE PER DOT REVIEW	CLR	CEB
M	07/31/20	REV'S TRAFFIC CIRCULATION AND PARKING	CEB	CEB
L	04/30/20	REVISIONS PER CLIENT & IN HSE REVIEW	CEB	CEB
G	04/11/18	MINOR, ADDRESS 4/5/18 UEI COMMENTS, SHTS 5 & 8	UEI	NRC
F	04/05/18	ADD SHEET 15, MINOR SITE, UTILITY PLAN REVS	GWS	NRC
REV.	DATE	DESCRIPTION	C/O	DR

SITE GRADING & DRAINAGE PLAN

GREATER WASTE SOLUTIONS, LLC

TAX MAP 2, LOTS 17-1, 17-2 & 37-1
426 FITCHBURG ROAD, GREENVILLE, NH

LAND OF:

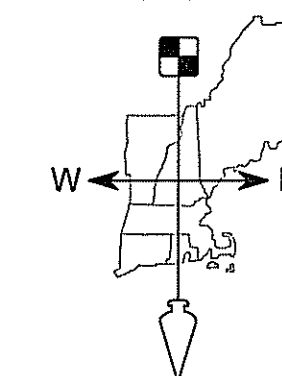
GMB LEASING, LLC

124 OLD WILTON ROAD, GREENVILLE, NH 03048

SCALE: 1" = 50'

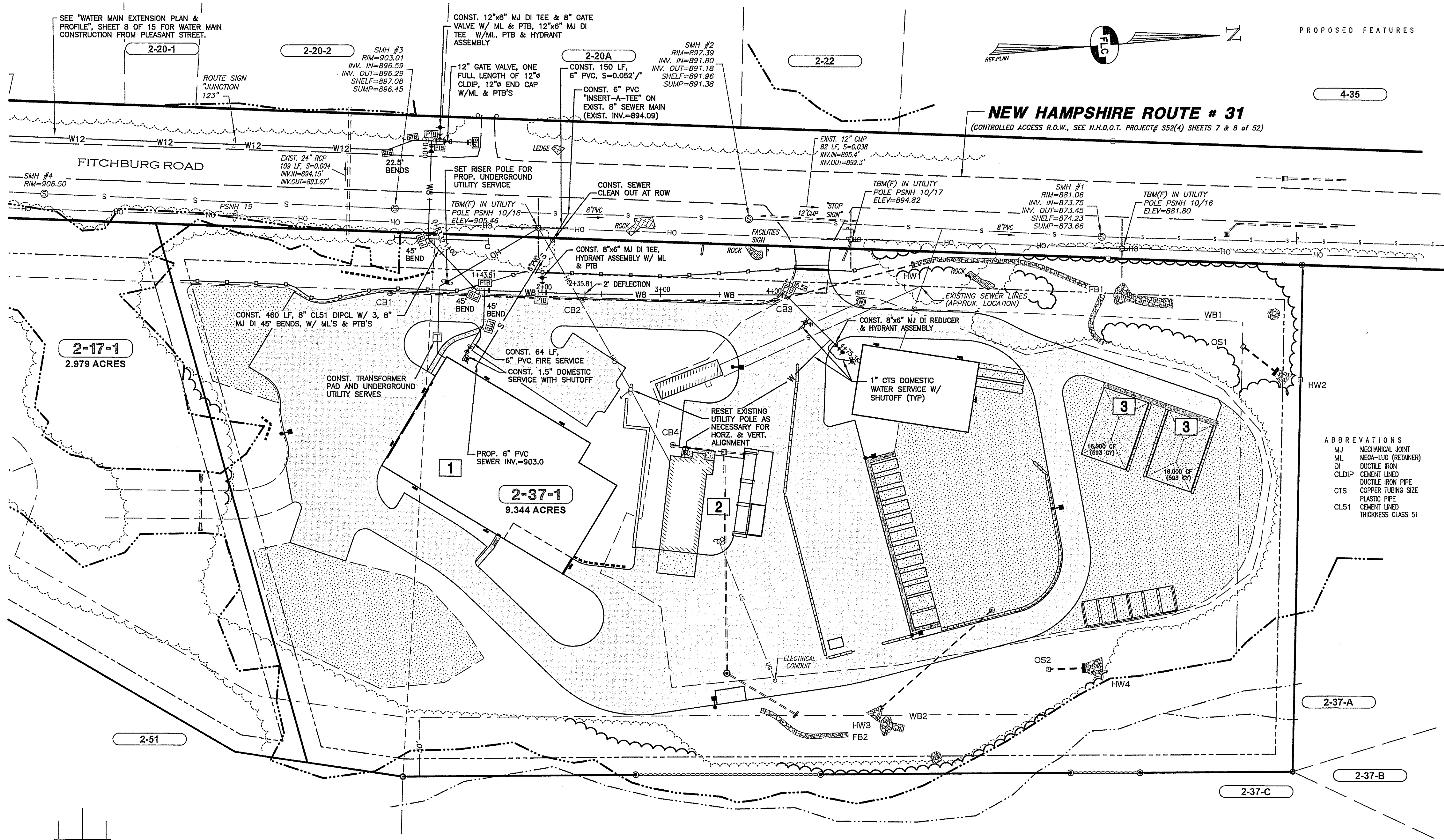
MAY 2, 2017

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- GENERAL CONSTRUCTION NOTES:**
- ALL WORK SHALL CONFORM TO THE APPLICABLE REGULATIONS AND STANDARDS OF THE TOWN OF GREENVILLE AND SHALL BE BUILT IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS. THE TOWN OF GREENVILLE DEPARTMENT OF PUBLIC WORKS SPECIFICATIONS FOR ROAD CONSTRUCTION AND SEWERS AND DRAINS AND THE NHDOT STANDARDS FOR ROAD AND BRIDGE CONSTRUCTION APPROVED AND ADOPTED 2010 ARE HEREBY INCORPORATED BY REFERENCE.
 - ROAD AND DRAINAGE CONSTRUCTION SHALL CONFORM TO THE TYPICAL SECTIONS AND DETAILS SHOWN ON THE PLANS AND THE SPECIFICATIONS NOTED ABOVE. ANY ALTERATION OF THIS DESIGN OR CHANGE DURING CONSTRUCTION MAY REQUIRE APPROVAL OF VARIOUS TOWN/CITY BOARDS OR AGENCIES AND SHALL BE DISCUSSED WITH THE OWNER AND ENGINEER PRIOR TO CONSTRUCTION.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, SIZE, AND ELEVATION OF ALL EXISTING UTILITIES SHOWN OR NOT SHOWN ON THESE PLANS AND SHALL VERIFY THAT ALL THE INFORMATION SHOWN HEREON IS CONSISTENT, COMPLETE, ACCURATE, AND CAN BE CONSTRUCTED PRIOR TO AND/OR DURING CONSTRUCTION. THE ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY DISCREPANCIES, ERRORS, OMISSIONS, OR EXISTING UTILITIES FOUND INTERFERING WITH THE PROPOSED CONSTRUCTION SO THAT REMEDIAL ACTION MAY BE TAKEN BEFORE PROCEEDING WITH THE WORK.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACT "DIGSAFE" AT LEAST 72 HOURS PRIOR TO THE START OF CONSTRUCTION (DIAL 811).
 - THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE APPROPRIATE TOWN DEPARTMENTS PRIOR TO CONSTRUCTION TO ARRANGE FOR NECESSARY INSPECTIONS.
 - BLASTING, IF REQUIRED, SHALL BE PERFORMED IN ACCORDANCE WITH THE TOWN OF GREENVILLE FIRE DEPARTMENT REGULATIONS.
 - ALL DISTURBED NON-PAVED AREAS SHALL BE LOAMED AND SEEDED IMMEDIATELY UPON BEING CONSTRUCTED.
 - ALL POWER WORK SHALL CONFORM TO EVERSOURCE STANDARDS.
 - ALL TELEPHONE WORK SHALL CONFORM TO FAIRPOINT COMMUNICATIONS SPECIFICATIONS.
 - STREET RESTORATION, IF ANY, SHALL BE IN ACCORDANCE WITH NHDOT SPECIFICATIONS.
 - THE APPLICANT SHALL CONFIRM THAT THE GREENVILLE WATER DEPARTMENT APPROVES OF PVC C-900 WATER MAIN FOR THE PROPOSED 6" FIRE SERVICE PRIOR TO CONSTRUCTION.
 - THE APPLICANT SHALL SECURE AN NHDOT EXCAVATION PERMIT PRIOR TO THE START OF OFF-SITE CONSTRUCTION.
 - THE APPLICANT SHALL OWN AND MAINTAIN THE PROPOSED 8" CLDIP MAIN AND ASSOCIATED APPURTENANCES SERVICING THE SITE.

LEGEND:

EXISTING FEATURES

- S — SEWER LINE
- W6 — WATER LINE
- W12 — WATER LINE
- W — WATER LINE
- OH — OVERHEAD UTILITIES
- OH — OVERHEAD UTILITIES
- STORM DRAIN LINE
- DRAINAGE CATCH BASIN
- DRAINAGE HEADWALL
- TRANSFORMER PAD
- RISER POLE
- BUILDING MOUNTED LIGHT
- POLE MOUNTED LIGHT
- PRECAST THRUST BLOCK
- FIRE HYDRANT
- GATE VALVE
- MECHANICAL JOINT FITTING W/ MEGALUG OR GRIP RING RETAINER
- CATCH BASIN
- SEWER MANHOLE
- CLEAN OUT
- BOLLARD
- SINGLE POST SIGN
- DOUBLE POST SIGN
- WATER HYDRANT
- WATER VALVE
- SHUT-OFF
- WELL
- UTILITY POLE AND GUY WIRE

PROPOSED FEATURES

- EDGE OF PAVEMENT
- EDGE OF GRAVEL
- LIMITS OF CLEARING
- GUARD RAIL
- SWALE/GUTTER LINE
- TOP OF BERM
- RETAINING WALL
- TEMPORARY SILT FENCE
- EROSION CONTROL STONE
- GRAVEL AREA
- PAVED AREA OR COMPACTED SURFACE AREA

ABBREVIATIONS

- MJ — MECHANICAL JOINT
- ML — MEGA-LUG (RETAINER)
- DI — DUCTILE IRON
- CLDIP — CEMENT LINED DUCTILE IRON PIPE
- CTS — COPPER TUBING SIZE
- CL51 — CEMENT LINED THICKNESS CLASS 51

REV.	DATE	DESCRIPTION	BY	CHK
M	07/31/20	REV'S TRAFFIC CIRCULATION AND PARKING	CEB	CEB
L	04/30/20	REVISIONS PER CLIENT & IN HSE REVIEW	CEB	CEB
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F	04/05/18	ADD SHEET 15, MINOR SITE, UTILITY PLAN REVS	GWS	NRC
			C/O	DR
			CK	CK

SITE UTILITY PLAN

GREATER WASTE SOLUTIONS, LLC

TAX MAP 2, LOTS 17-1, 17-2 & 37-1

426 FITCHBURG ROAD, GREENVILLE, NH

LAND OF:

GMB LEASING, LLC

124 OLD WILTON ROAD, GREENVILLE, NH 03048

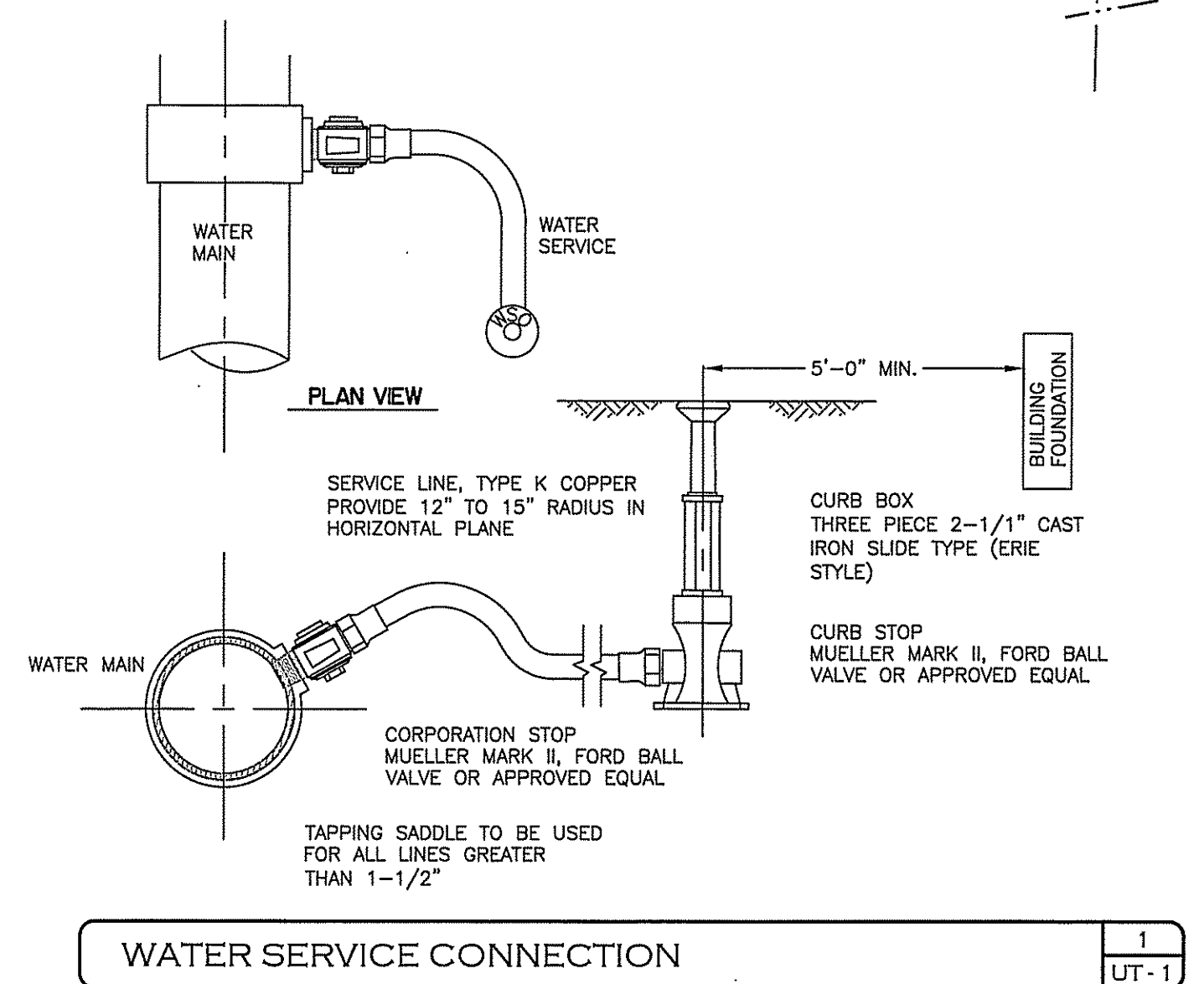
SCALE: 1" = 50' MARCH 7, 2018

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FILE: 204SP02L.dwg PROJ. NO. 204.02 SHEET: UT-1 PAGE 6



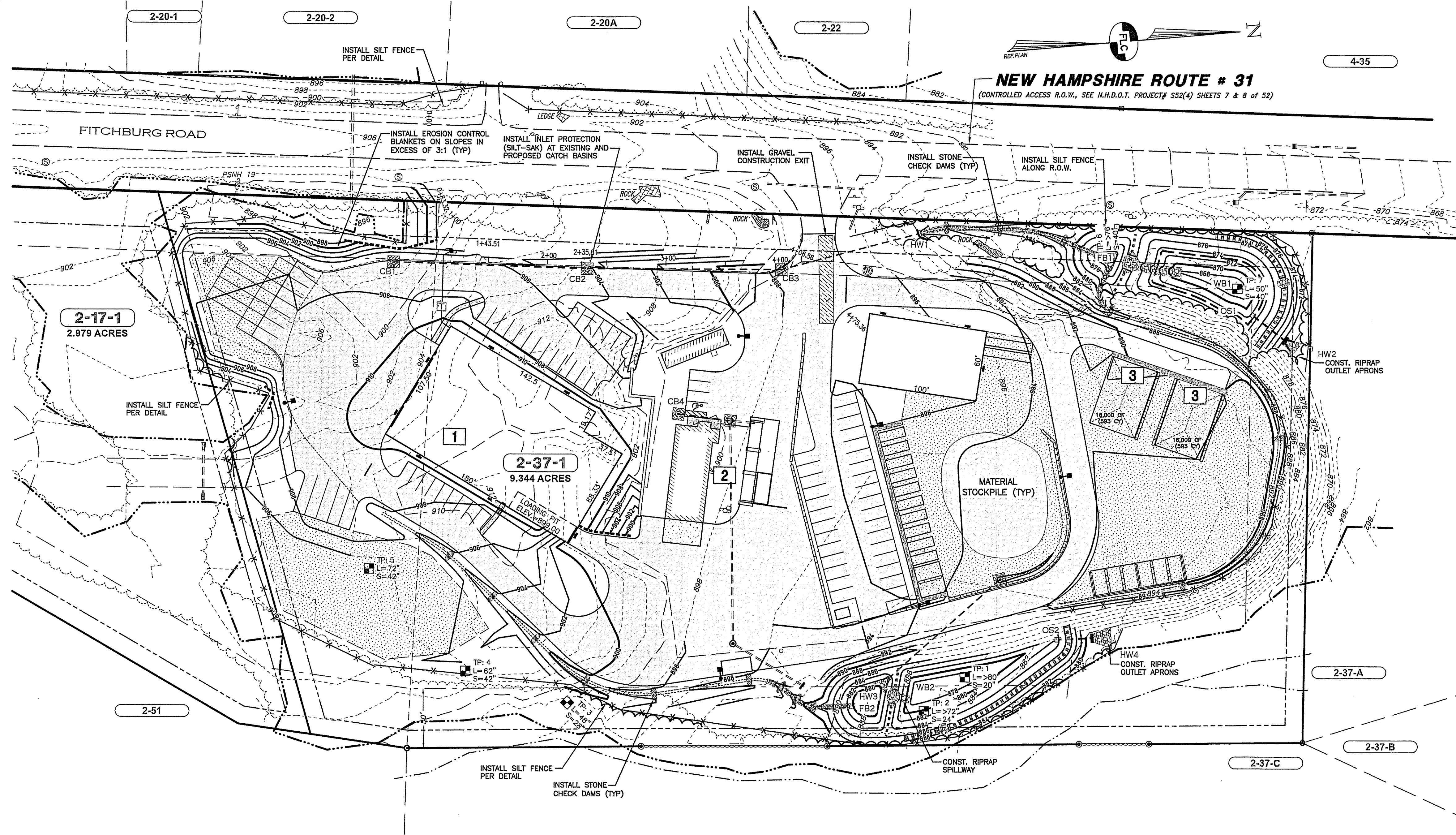
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TO CONSTRUCTION
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MAINE REPUTATION

GRAPHIC SCALE

50' 25' 0' 50' 100' 150'

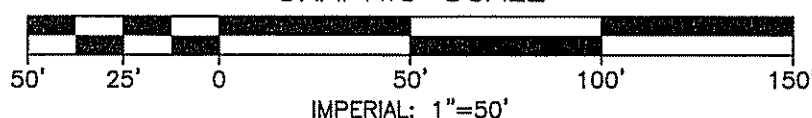
IMPERIAL: 1"=50'



LEGEND:

- EROSION CONTROL
- STONE CHECK DAM
- TEMPORARY SILT FENCE
- CONSTRUCTION EXIT(S)
- EROSION CONTROL STONE
- DRAIN INLET PROTECTION
- LIMITS OF CLEARING

GRAPHIC SCALE



CONTACT DIG SAFE
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THE FOLLOWING PROVIDES AN ITEMIZATION OF SPECIFIC SITE MAINTENANCE PRACTICES THAT WILL BE EMPLOYED ON THE SITE TO MINIMIZE POLLUTANT GENERATION AND TRANSPORT FROM THE SITE. THE SITE MAINTENANCE PROGRAM INCLUDES ROUTINE INSPECTIONS, PREVENTATIVE MAINTENANCE AND "GOOD HOUSEKEEPING" PRACTICES.

ROUTINE INSPECTIONS

1. THE CONTRACTOR SHALL INSPECT ALL CONTROL MEASURES AT LEAST ONCE A WEEK AND WITHIN TWELVE (12) HOURS OF THE END OF A STORM WITH RAINFALL AMOUNT GREATER THAN 0.25 INCHES. THE INSPECTIONS WILL VERIFY THAT THE STRUCTURAL BMP'S DESCRIBED IN THE PLANS ARE IN GOOD CONDITION AND ARE MINIMIZING EROSION. A MAINTENANCE INSPECTION REPORT WILL BE MADE WITH EACH INSPECTION. COMPLETED INSPECTION FORMS SHALL BE KEPT ON-SITE FOR THE DURATION OF THE PROJECT. FOLLOWING CONSTRUCTION, THE COMPLETED FORMS SHALL BE RETAINED AT THE CONTRACTOR'S OFFICE FOR A MINIMUM OF ONE YEAR.

GOOD HOUSEKEEPING PRACTICES

THE CONTRACTOR SHALL EMPLOY MEASURES AND PRACTICES TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS TO STORM AND WATER RUNOFF. THE CONTRACTOR SHALL PAY SPECIAL ATTENTION TO THE HANDLING, USE AND DISPOSAL OF MATERIALS SUCH AS PETROLEUM PRODUCTS, FERTILIZERS AND PAINTS TO ENSURE THAT THE RISK ASSOCIATED WITH THESE PRODUCTS IS MINIMIZED. THE FOLLOWING "GOOD HOUSEKEEPING" PRACTICES SHALL BE FOLLOWED DURING THE CONSTRUCTION OF THE PROJECT:

- A. AN EFFORT SHALL BE MADE TO STORE ONLY ENOUGH PRODUCT TO DO THE JOB.
- B. ALL MATERIALS STORED ON-SITE SHALL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR APPROPRIATE CONTAINERS, AND IS POSSIBLE UNDER A ROOF OR ENCLOSURE.
- C. PRODUCTS SHALL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH THEIR MANUFACTURER'S LABELS.
- D. WHENEVER POSSIBLE, ALL OF A PRODUCT SHALL BE USED BEFORE DISPOSING OF THE CONTAINER.
- E. MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL SHALL BE FOLLOWED.
- F. THE CONTRACTOR SHALL INSPECT DAILY TO ENSURE PROPER USE AND DISPOSAL OF MATERIALS.

PREVENTATIVE MAINTENANCE

THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF ALL TEMPORARY AND PERMANENT CONTROLS THROUGHOUT THE DURATION OF THIS CONTRACT. UPON COMPLETION, IT WILL BE THE RESPONSIBILITY OWNER TO MAINTAIN THE PROPOSED BMP'S. MAINTENANCE PRACTICES SHALL INCLUDE BUT ARE NOT LIMITED TO:

1. CLEANING OF CATCH BASINS TWICE A YEAR OR MORE FREQUENTLY AS DICTATED BY QUARTERLY INSPECTIONS.
2. CLEANING OF SEDIMENT AND DEBRIS FROM SWALES, HEADWALLS, AND STORMWATER MANAGEMENT AREA FOREBAYS TWICE A YEAR OR MORE FREQUENTLY AS DICTATED BY MONTHLY INSPECTIONS.
3. IMPLEMENTATION OF OTHER MAINTENANCE OR REPAIR ACTIVITIES AS DEEMED NECESSARY BASED ON WEEKLY INSPECTIONS.
4. REMOVAL OF BUILT UP SEDIMENT ALONG SILT FENCES, OR HAY BALE OR CHECK DAM BARRIERS.
5. REMOVAL OF BUILT UP SEDIMENT IN BOTH TEMPORARY AND PERMANENT CONTROLS SUCH AS GRASS SWALES, RIP RAP SWALES, SEDIMENT FOREBAYS AND RECHARGE / DETENTION BASINS.
6. RECONSTRUCTING THE STABILIZED CONSTRUCTION EXIT(S) IF NOT WORKING PROPERLY.
7. TREATMENT OF NON-STORM WATER DISCHARGES SUCH AS WATER FROM WATER LINE FLUSHINGS OR GROUNDWATER FROM DEWATERING EXCAVATIONS. SUCH FLOWS SHOULD BE DIRECTED TO A TEMPORARY SEDIMENTATION BASIN OR STORM WATER MANAGEMENT AREA.

NEW HAMPSHIRE ROUTE # 31

(CONTROLLED ACCESS R.O.W., SEE N.H.D.O.T. PROJECT# S52(4) SHEETS 7 & 8 OF 52)

GENERAL NOTES:

1. ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH STORM WATER POLLUTION PREVENTION SHALL OBTAIN A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND THE STATE OF NEW HAMPSHIRE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM GENERAL PERMIT (NPDES PERMIT) AND BECOME FAMILIAR WITH THEIR CONTENTS.
2. THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THE SWPPP. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST OF OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.
3. BEST MANAGEMENT PRACTICES (BMP'S) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE. CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY PERMITTING AGENCY OR OWNER.
4. STAGING AND MATERIAL STOCKPILE AREAS AS SHOWN ARE APPROXIMATE AND SUBJECT TO CHANGE. STOCKPILE AREAS SHALL BE SURROUNDED BY SILT FENCE AND RE-SEEDING IF THEY ARE LEFT UNTOUCHED FOR MORE THAN TEN (10) DAYS.
5. THIS PROJECT IS SUBJECT TO THE REQUIREMENTS OF THE TOWN OF GREENVILLE'S CONTROL OF EROSION AND SEDIMENTATION (SECTION 10 OF THE TOWN'S SITE PLAN REVIEW REGULATIONS).
6. STORMWATER FLOWS ARE NOT TO BE DIRECTED TO THE INFILTRATION AREAS UNTIL CONTRIBUTING AREAS HAVE BEEN FULLY STABILIZED.
7. AN AREA SHALL BE CONSIDERED STABLE IF ONE THE FOLLOWING HAS OCCURRED:
 - BASE COURSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED.
 - A MINIMUM OF 85 PERCENT VEGETATED GROWTH HAS BEEN ESTABLISHED.
 - A MINIMUM OF 3 INCHES OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIPRAP HAS BEEN INSTALLED.
 - OR, EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.

CONSTRUCTION SEQUENCE:

1. DO NOT PROCEED TO SUBSEQUENT PHASES UNTIL CURRENT PHASE IS COMPLETELY STABILIZED IN ACCORDANCE WITH EROSION CONTROL NOTES.
2. INSTALL SILT FENCE, CONSTRUCTION FENCING, AND TEMPORARY CONSTRUCTION EXIT(S).
3. INSTALL INLET PROTECTION AROUND ALL STORM DRAIN STRUCTURES. INSTALLATION OF UNDERGROUND UTILITIES AND CATCH BASINS SHALL BE PROTECTED FROM SEDIMENT IN ACCORDANCE WITH THE "SILT-SACK DETAIL". THE CONTROL SHALL REMAIN UNTIL THE SITE IS SUFFICIENTLY STABILIZED.
4. CLEAR & GRUB SITE ACCORDING TO PLAN. STUMPS SHALL BE GROUND ON-SITE AND THE TAILINGS STOCKPILED FOR LATER USE FOR EROSION CONTROL. EXCESS TAILINGS SHALL BE COMPACTED WITH SUITABLE MATERIAL. IN NON STRUCTURAL FILL SLOPES. COVER WITH 4" OF LOAM AND SEED PER THE EROSION CONTROL NOTES.
5. REMOVE TOPSOIL AND STOCKPILE AWAY FROM ANY WETLAND. STABILIZE STOCKPILE IMMEDIATELY BY SEEDING. PLACE SILT FENCE AROUND THE DOWN SLOPE SIDE OF EARTH STOCKPILES.
6. ROUGH GRADE SITE - CONSTRUCT DRAINAGE BASINS AND DRAINAGE SWALES DURING INITIAL PORTION OF CONSTRUCTION. STABILIZE IMMEDIATELY PER THE CONSTRUCTION AND EROSION CONTROL DETAILS. DO NOT DIRECT STORM WATER RUNOFF TO THESE STRUCTURES UNTIL A HEALTHY VEGETATIVE COVER IS ESTABLISHED.
7. CONSTRUCT DRIVEWAY, PARKING AND BUILDING PAD. INSTALL UTILITIES AND STRUCTURES. ALL CUT AND FILL SLOPES SHALL BE STABILIZED UPON COMPLETION OF ROUGH GRADING PER THE EROSION CONTROL NOTES.
8. INSPECT AND MAINTAIN EROSION CONTROL MEASURES ON A WEEKLY BASIS AND AFTER EVERY 0.25" OR GREATER RAINFALL.
9. DAILY, OR AS REQUIRED, CONSTRUCT TEMPORARY BERMS, CULVERTS, DITCHES, SILTATION FENCES, SEDIMENT TRAPS, ETC. MULCH AND SEED AS REQUIRED.
10. FINISH GRADING TO PREPARE FOR FINISH GRAVEL AND LOAMING. ALL DISTURBED AREAS SHALL BE STABILIZED WITHIN 72 HOURS AFTER FINAL GRADING.
11. FINISH PAVING. PERMANENT SEEDING SHALL BE PERFORMED UPON COMPLETION OF GRAVEL DRIVES AND PARKING AREAS (SEE EROSION CONTROL NOTES).
12. COMPLETE PERMANENT SEEDING AND LANDSCAPING.
13. EXCEPT AS SPECIFIED BELOW, TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED WHEN ALL DISTURBED AREAS HAVE BEEN STABILIZED.
14. ALL STRUCTURES SHALL BE CLEANED OF SEDIMENTS ONCE CONSTRUCTION IS COMPLETE.
15. THE STONE CHECK DAMS SHALL BE KEPT IN PLACE AND THE SEDIMENT ACCUMULATION MONITORED FOR A MINIMUM OF ONE YEAR AFTER THE SITE HAS BEEN OPERATIONAL. IN THE EVENT THAT THERE IS NOT SIGNIFICANT ONGOING SEDIMENT ACCUMULATION AT THE CHECK DAMS THEN THEY SHALL BE REMOVED TO RESTORE THE FLOW CAPACITY OF THE SWALES. IF, DUE TO THE NATURE OF THE ON-SITE ACTIVITIES, THERE IS CONTINUED SEDIMENT ACCUMULATION AT THE TEMPORARY CHECK DAMS THEN THEY SHALL REMAIN IN PLACE AND MAINTAINED ACCORDINGLY.

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F	04/05/18	ADD SHEET 15, MINOR SITE, UTILITY PLAN REVS	GWS	NRC	CEB
REV.	DATE	DESCRIPTION		C/O	DR

EROSION CONTROL PLAN

GREATER WASTE SOLUTIONS, LLC

TAX MAP 2, LOTS 17-1, 17-2 & 37-1
426 FITCHBURG ROAD, GREENVILLE, NH

LAND OF:

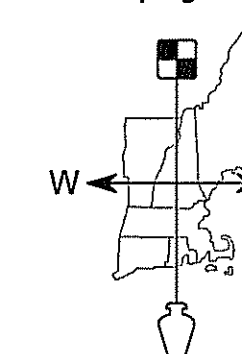
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SCALE: 1" = 50'

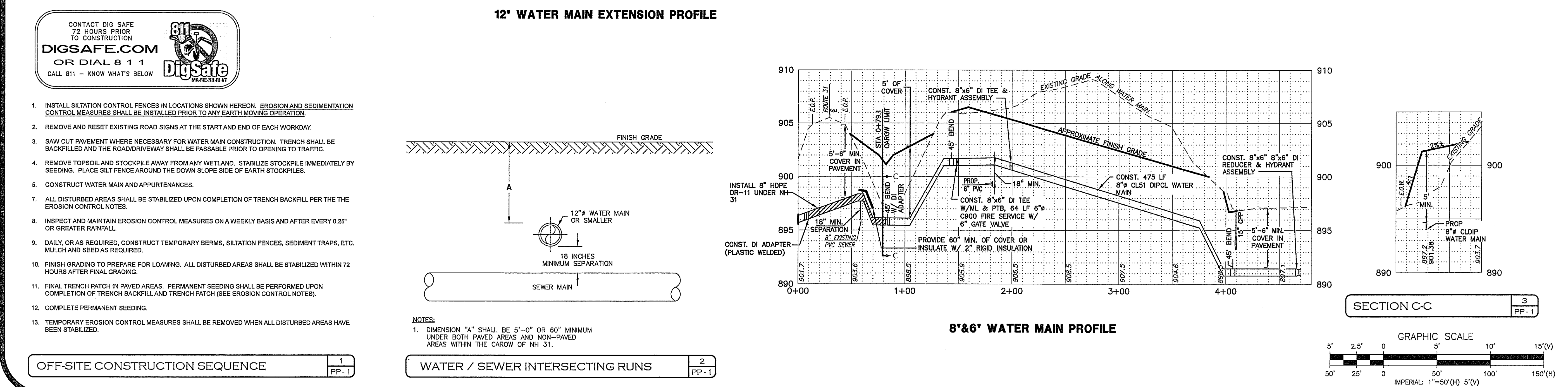
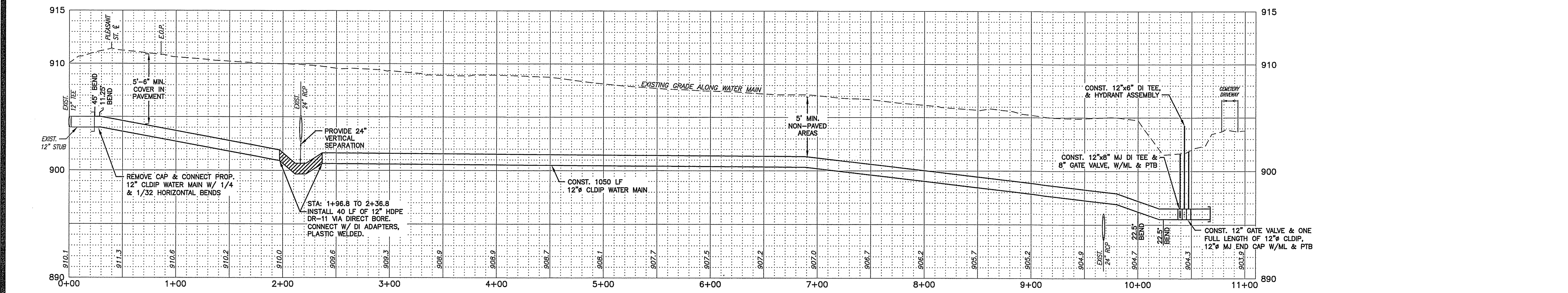
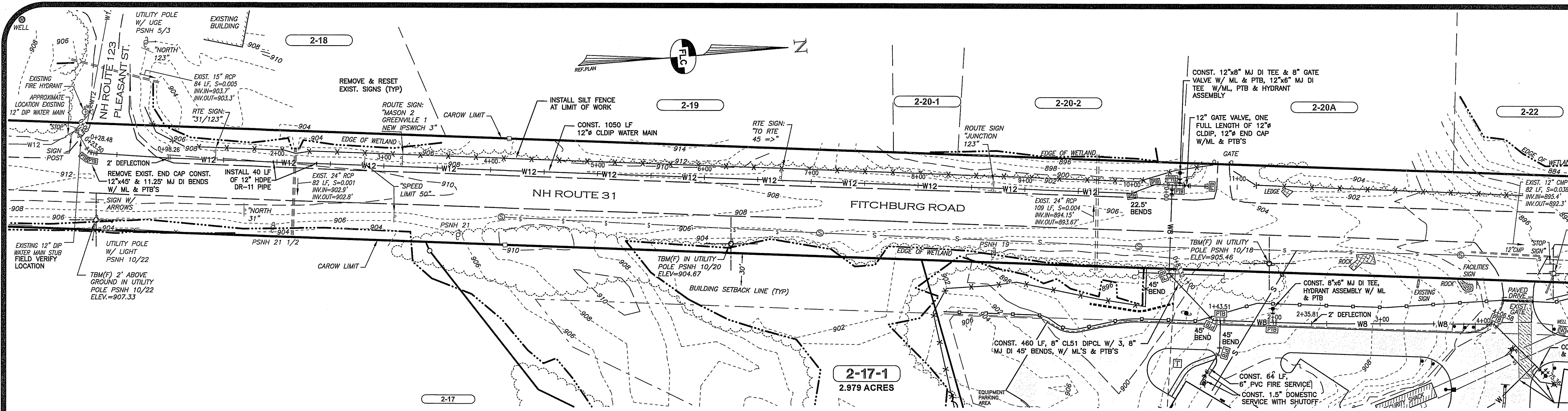
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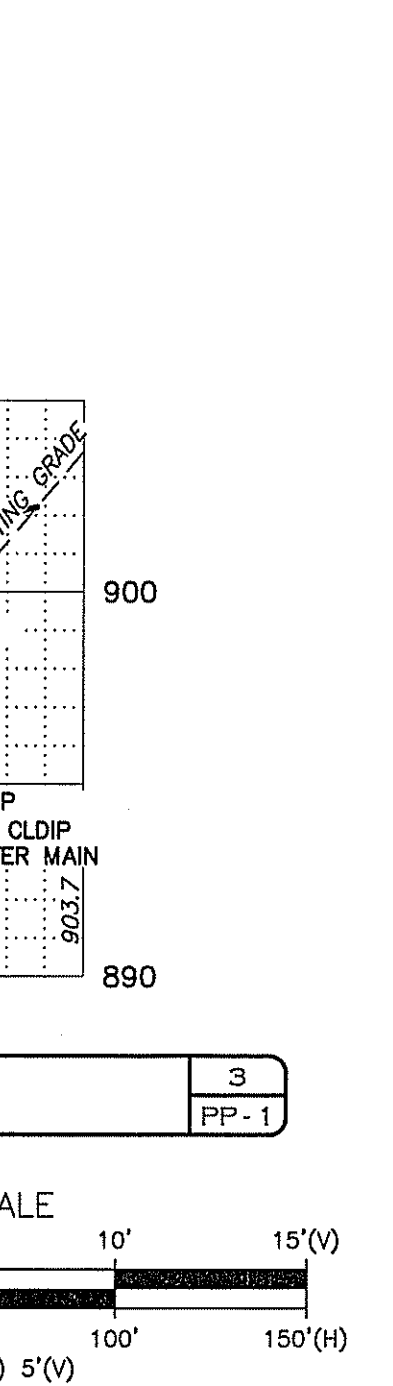
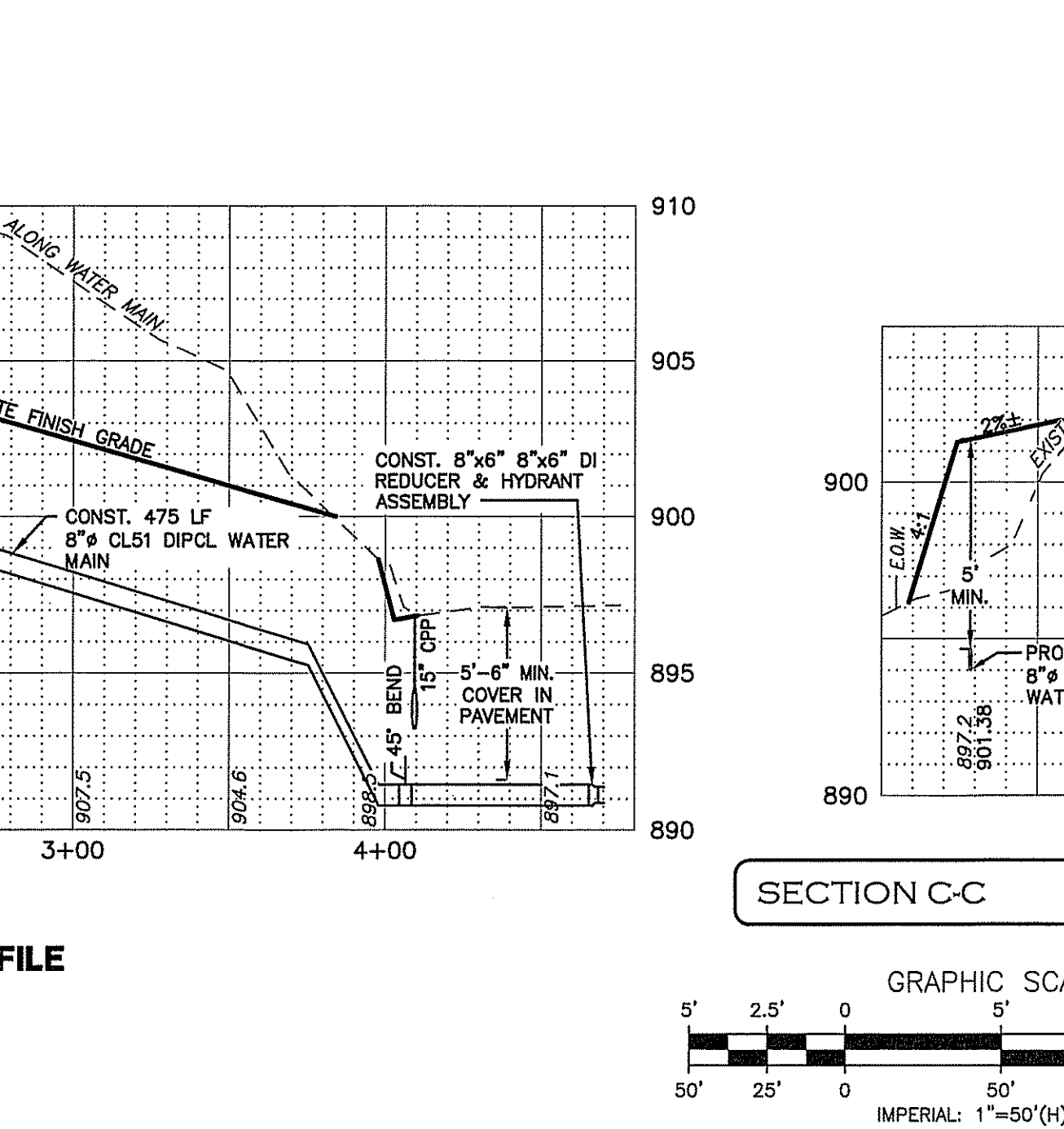
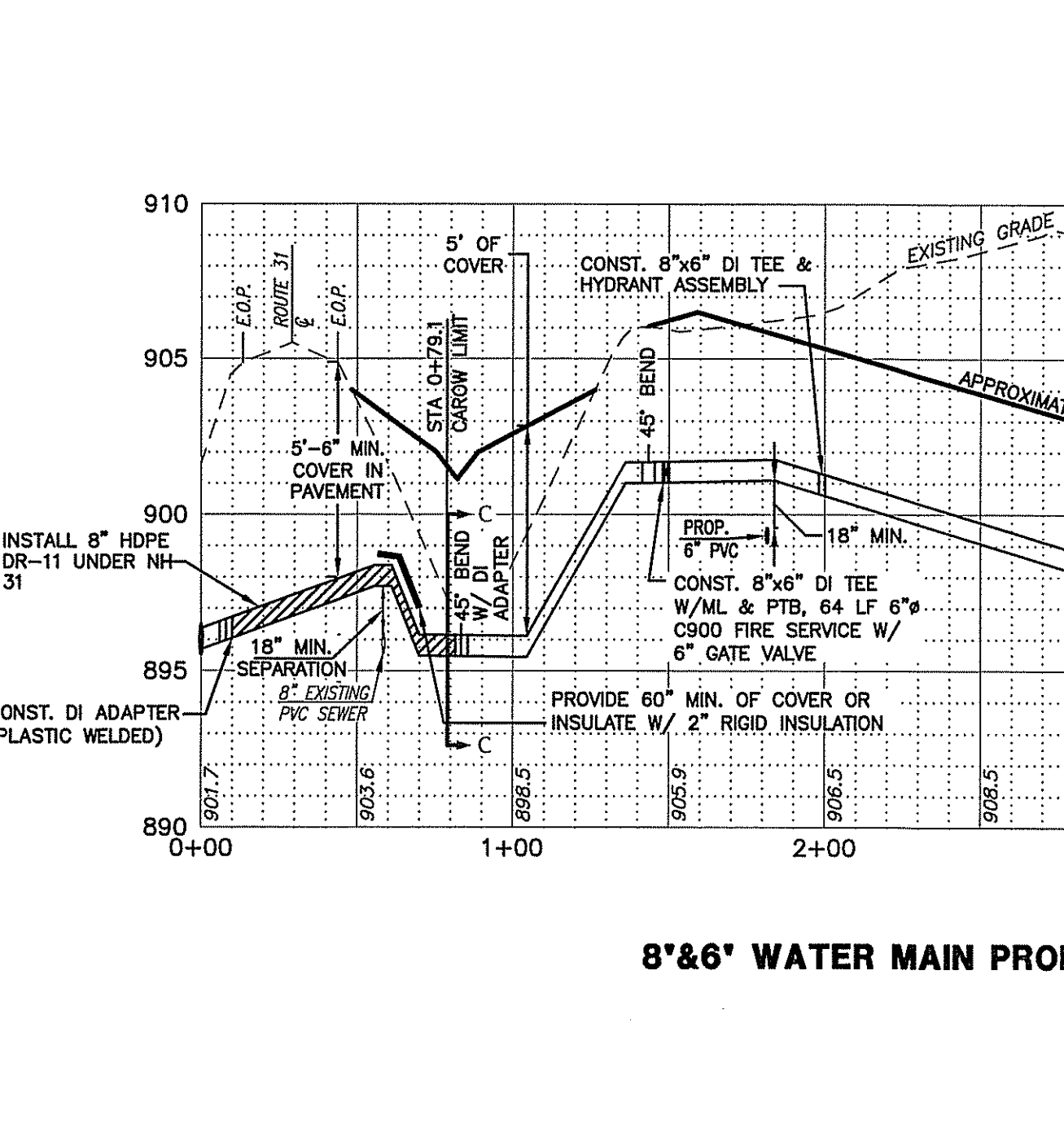
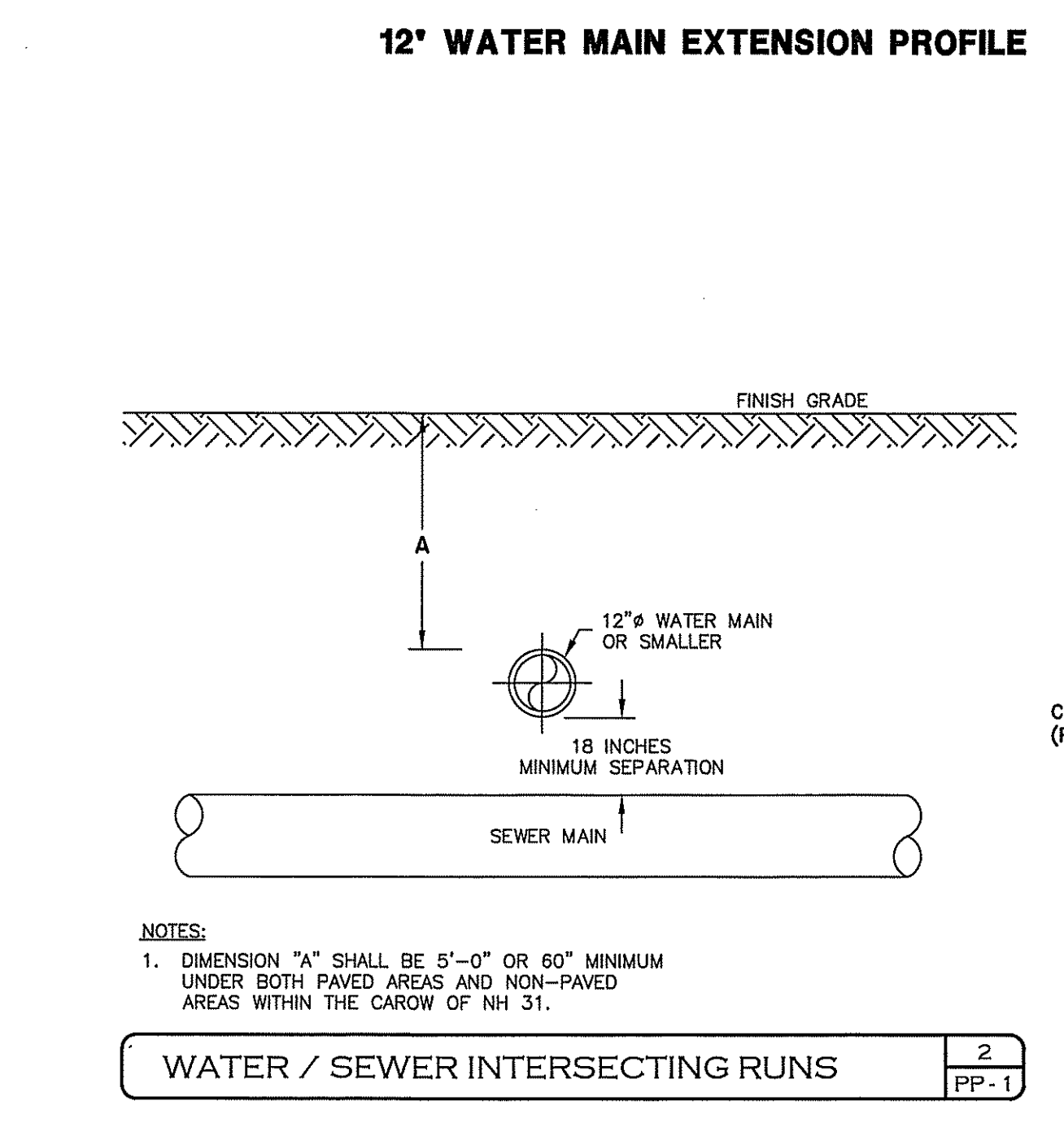


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- INSTALL SILTATION CONTROL FENCES IN LOCATIONS SHOWN HEREON. EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY EARTH MOVING OPERATION.
- REMOVE AND RESET EXISTING ROAD SIGNS AT THE START AND END OF EACH WORKDAY.
- SAW CUT PAVEMENT WHERE NECESSARY FOR WATER MAIN CONSTRUCTION. TRENCH SHALL BE BACKFILLED AND THE ROAD/DRIVEWAY SHALL BE PASSABLE PRIOR TO OPENING TO TRAFFIC.
- REMOVE TOPSOIL AND STOCKPILE AWAY FROM ANY WETLAND. STABILIZE STOCKPILE IMMEDIATELY BY SEEDING. PLACE SILT FENCE AROUND THE DOWN SLOPE SIDE OF EARTH STOCKPILES.
- CONSTRUCT WATER MAIN AND APPURTENANCES.
- ALL DISTURBED AREAS SHALL BE STABILIZED UPON COMPLETION OF TRENCH BACKFILL PER THE EROSION CONTROL NOTES.
- INSPECT AND MAINTAIN EROSION CONTROL MEASURES ON A WEEKLY BASIS AND AFTER EVERY 0.25" OR GREATER RAINFALL.
- DAILY OR AS REQUIRED, CONSTRUCT TEMPORARY BERMS, SILTATION FENCES, SEDIMENT TRAPS, ETC. MULCH AND SEED AS REQUIRED.
- FINISH GRADING TO PREPARE FOR LOAMING. ALL DISTURBED AREAS SHALL BE STABILIZED WITHIN 72 HOURS AFTER FINAL GRADING.
- FINAL TRENCH PATCH IN PAVED AREAS. PERMANENT SEEDING SHALL BE PERFORMED UPON COMPLETION OF TRENCH BACKFILL AND TRENCH PATCH (SEE EROSION CONTROL NOTES).
- COMPLETE PERMANENT SEEDING.
- TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED WHEN ALL DISTURBED AREAS HAVE BEEN STABILIZED.

NOTES:
 1. DIMENSION "A" SHALL BE 5'-0" OR 60" MINIMUM UNDER BOTH PAVED AREAS AND NON-PAVED AREAS WITHIN THE CAROW OF NH 31.



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Surveying & Engineering & Land Planning & Permitting & Septic Designs

STATE OF NEW HAMPSHIRE

CHAD E. BRADSHAW
 PROFESSIONAL ENGINEER
 EXPIRATION DATE: 12/31/2024
 LICENSE NO. 10000

REV	DATE	DESCRIPTION
0	11/17/20	CLERK REVIEW
1	10/27/20	REVISION PER DOT REVIEW
2	9/29/20	REVISION PER DOT REVIEW
3	4/30/20	REVISION PER DOT REVIEW
4	10/01/18	12" MAIN LENGTH/LOCATION
5	05/15/18	REVISION TEE & MAIN AT STA 2+47 TO 8"
6	04/11/18	ADDRESS 4/5/18 JET COMMENTS
7	04/05/18	ADD SHEET 15, MINOR SITE, UTILITY PLAN RECS
8		DR
9		CK

WATER MAIN EXTENSION PLAN & PROFILE

STA 0+00 - STA 13+60

GREATER WASTE SOLUTIONS

PLANS ISSUED FOR:
MUNICIPAL REVIEW

MAP 2, LOTS 17-1 & 2, & 37-1
GREENVILLE, NEW HAMPSHIRE

SCALE: 1" = 50' HORIZ. / 5' VERT.

MARCH 21, 2018

FILE: 204SP02P.dwg

PP-1
 SHEET

PROJECT NO. 204.02

PAGE 9

1. PRIOR TO STARTING ANY WORK ON THE SITE THE CONTRACTOR SHALL NOTIFY APPROPRIATE AGENCIES.
2. ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN ACCORDANCE WITH STANDARDS AND SPECIFICATIONS THEREOF IN NEW HAMPSHIRE DEPARTMENT OF ENVIRONMENTAL SERVICE STORM WATER MANUALS, VOLUME 1-3, LATEST EDITION.
3. EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED PER PLANS AND DETAILS. PERIMETER CONTROLS SHALL BE IN PLACE PRIOR TO COMMENCEMENT OF EARTH DISTURBING ACTIVITIES.
4. INSTALL INLET PROTECTION AROUND ALL STORM DRAIN STRUCTURES. INLET PROTECTION BMP'S SHALL REMAIN UNTIL THE SITE IS STABILIZED. CONSTRUCTION OF DETENTION BASINS AND TREATMENT SWALES SHALL OCCUR PRIOR TO AN EARTH MOVING OPERATION THAT WILL INFLUENCE STORM WATER RUNOFF.

5. THE WORK AREA SHALL BE GRADED, SHAPED AND OTHERWISE DRAINED IN SUCH A MANNER AS TO MINIMIZE SOIL EROSION, SILTATION OF DRAINAGE CHANNELS, DAMAGE TO EXISTING VEGETATION, AND DAMAGE TO PROPERTY OUTSIDE THE LIMITS OF THE WORK AREA.
6. EXISTING VEGETATION IS TO REMAIN UNDISTURBED WHEN POSSIBLE.
7. EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE KEPT CLEAN DURING CONSTRUCTION. EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSPECTED AT LEAST ONCE A WEEK AND AFTER EVERY 0.5-INCH OR GREATER RAINFALL. SEDIMENTS SHALL BE DISPOSED OF IN AN UPLAND AREA THAT WILL NOT CONTRIBUTE TO SEDIMENT OFF-SITE AND BE PERMANENTLY STABILIZED.

8. THE SMALLEST PRACTICAL AREA SHALL BE DISTURBED DURING CONSTRUCTION. AT NO TIME SHALL THE TOTAL UNSTABILIZED DISTURBED AREA, INCLUDING LOT DISTURBANCES, BE GREATER THAN FIVE (5) ACRES.
9. THE LAND AREA EXPOSED SHALL BE KEPT TO THE SHORTEST PRACTICAL PERIOD OF TIME. ALL NON-ACTIVE DISTURBED AREAS SHALL BE STABILIZED WITHIN 30 DAYS OF THE DISTURBANCE. ALL DISTURBED AREAS SHALL BE STABILIZED WITHIN 72 HOURS OF FINAL GRADING.

10. DITCHES, SWALES AND DRAINAGE BASINS SHALL BE CONSTRUCTED DURING THE INITIAL PHASE OF CONSTRUCTION AND STABILIZED PRIOR TO DIRECTING RUNOFF TO THEM.
11. AN AREA SHALL BE CONSIDERED STABILIZED IF ONE OF THE FOLLOWING HAS OCCURRED:
A. BASE COURSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED;
B. A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED;
C. A MINIMUM OF 5-INCHES OF NON-EROSIVE MATERIAL, SUCH AS STONE OR RIPRAP, HAS BEEN INSTALLED; OR
D. EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.

12. EROSION CONTROL BLANKETS SHALL BE INSTALLED ON ALL SLOPES THAT ARE STEEPER THAN 3:1 (HORIZONTAL / VERTICAL), UNLESS OTHERWISE SPECIFIED THE CONTRACTOR SHALL USE NORTH AMERICAN GREEN SC150, OR APPROVED EQUIVALENT.
13. ALL AREAS RECEIVING EROSION CONTROL STONE OR RIPRAP SHALL HAVE A GEOTEXTILE MATERIAL INSTALLED BELOW THE STONE (SEE APPROPRIATE DETAILS).
14. ALL DISTURBED AREAS TO TURF FINISHED SHALL BE COVERED WITH A MINIMUM THICKNESS OF 6 INCHES OF COMPACTED LOAM. LOAM SHALL BE COVERED WITH THE APPROPRIATE SEED MIXTURE AS INDICATED BELOW.

PERMANENT SEED (LAWN AREAS)	LBS / 1,000 SQ. FT.	PERMANENT SLOPE SEED MIX	LBS / 1,000 SQ. FT.
CREeping RED FESCUE	0.92 LBS	CREeping RED FESCUE	0.80 LBS
PERENNIAL RYEGRASS	1.15 LBS	PERENNIAL RYEGRASS	0.89 LBS
KENTUCKY BLUEGRASS	0.89 LBS	REDTOP	0.12 LBS
REDTOP	0.12 LBS	ALSKIE CLOVER	0.12 LBS
		BIRDFOOT TREFOIL	0.12 LBS

APPLICATION RATE TOTALS 2.8 LBS PER 1,000 SF	**APPLICATION RATE TOTALS 1.85 LBS PER 1,000 SF**
-----------------------------------------------------	------------------------------------------------------

15. TEMPORARY STABILIZATION OF DISTURBED AREAS; STRIPPED SOIL SHALL BE STOCKPILED UNCOMPACTED, AND STABILIZED AGAINST EROSION AS OUTLINED BELOW:
SEED BED PREPARATION: 10-10-10 FERTILIZATION TO BE SPREAD AT THE RATE OF 7 LBS PER 100 SF AND AGRICULTURAL LIMESTONE AT A RATE OF 90 LBS PER 1,000 SF AND INCORPORATED INTO THE SOIL. THE SOIL, FERTILIZER AND LIMESTONE SHALL BE TILLED TO PREPARE FOR SEEDING.

A. SEED MIXTURE: USE ANY OF THE FOLLOWING:	SPECIES	RATE PER 1,000 SF	DEPTH	SEEDING DATES
	WINTER RYE	2.5 LBS	1 INCH	8/15 TO 9/15
	OATS	2.5 LBS	1 INCH	4/15 TO 10/15
	ANNUAL RYEGRASS	1.0 LBS	0.25 INCH	8/15 TO 9/15

- B. MULCHING: MULCH SHOULD BE USED ON HIGHLY ERODIBLE AREAS, AND WHERE CONSERVATION OF MOISTURE WILL FACILITATE PLANT ESTABLISHMENT AS FOLLOWS:
TYPE RATE PER 1,000 SF USE AND COMMENTS
STRAW 70 TO 90 LBS MAY BE USED WITH PLANTINGS, MUST BE ANCHORED TO BE USED ALONE
WOOD CHIPS OR BARK MULCH 460 TO 920 LBS USED WITH TREE AND SHRUB PLANTINGS
FIBROUS MATTING AS RECOMMENDED BY MANUFACTURER MUST BE BIODEGRADABLE, USE IN SLOPE AREAS AND AREAS DIFFICULT TO VEGETATE
CRUSHED STONE 1/4" TO 1-1/2" DIA. SPREAD TO GREATER THAN 1/2" THICKNESS USE IN SPECIFIC AREAS AS SHOWN ON PLAN OR AS NEEDED

16. APPLY LIMESTONE AND FERTILIZER ACCORDING TO SOIL TEST RECOMMENDATIONS. IF SOIL TESTING IS NOT FEASIBLE (CRITICAL TIME FRAMES OR VARIABLE SITES) THEN APPLY FERTILIZER AT A RATE OF 11 POUNDS PER 1,000 SF AND LIMESTONE AT A RATE OF 90 POUNDS PER 1,000 SF. FERTILIZER SHALL BE LOW PHOSPHATE (LESS THAN 2% PHOSPHORUS).

17. CAUTION SHOULD BE TAKEN WHEN THE PROPERTY IS LOCATED WITHIN 250 FEET OF A WATER BODY. IN THIS CASE ALL FERTILIZERS SHALL BE RESTRICTED TO A LOW PHOSPHATE, SLOW RELEASE NITROGEN FERTILIZER. SLOW RELEASE FERTILIZERS MUST BE AT LEAST 50% SLOW RELEASE NITROGEN COMPONENT. NO FERTILIZER EXCEPT LIMESTONE SHALL BE APPLIED WITHIN 25 FEET OF THE SURFACE WATER. THESE ARE REGULATED LIMITATIONS.

18. PERMANENT OR TEMPORARY COVER MUST BE IN PLACE BEFORE THE GROWING SEASON ENDS (SEE WINTER CONSTRUCTION NOTES). NO DISTURBED AREAS SHALL BE LEFT EXPOSED DURING THE WINTER MONTHS.
19. A VIGOROUS DUST CONTROL PROGRAM SHALL BE APPLIED BY THE SITE CONTRACTOR. DUST SHALL BE MANAGED THROUGH THE USE OF WATER AND/OR CALCIUM CHLORIDE.

20. IN NO WAY ARE THE MEASURES INDICATED ON THE PLANS OR IN THESE NOTES TO BE CONSIDERED ALL INCLUSIVE. THE CONTRACTOR SHALL USE JUDGEMENT TO INSTALL ADDITIONAL EROSION CONTROL MEASURES AS SITE CONDITIONS, WEATHER OR CONSTRUCTION METHODS WARRANT.
21. FOLLOWING PERMANENT STABILIZATION, TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED AND ACCUMULATED SEDIMENTATION IS TO BE DISPOSED OF IN AN APPROVED LOCATION, OUTSIDE OF JURISDICTIONAL WETLANDS.

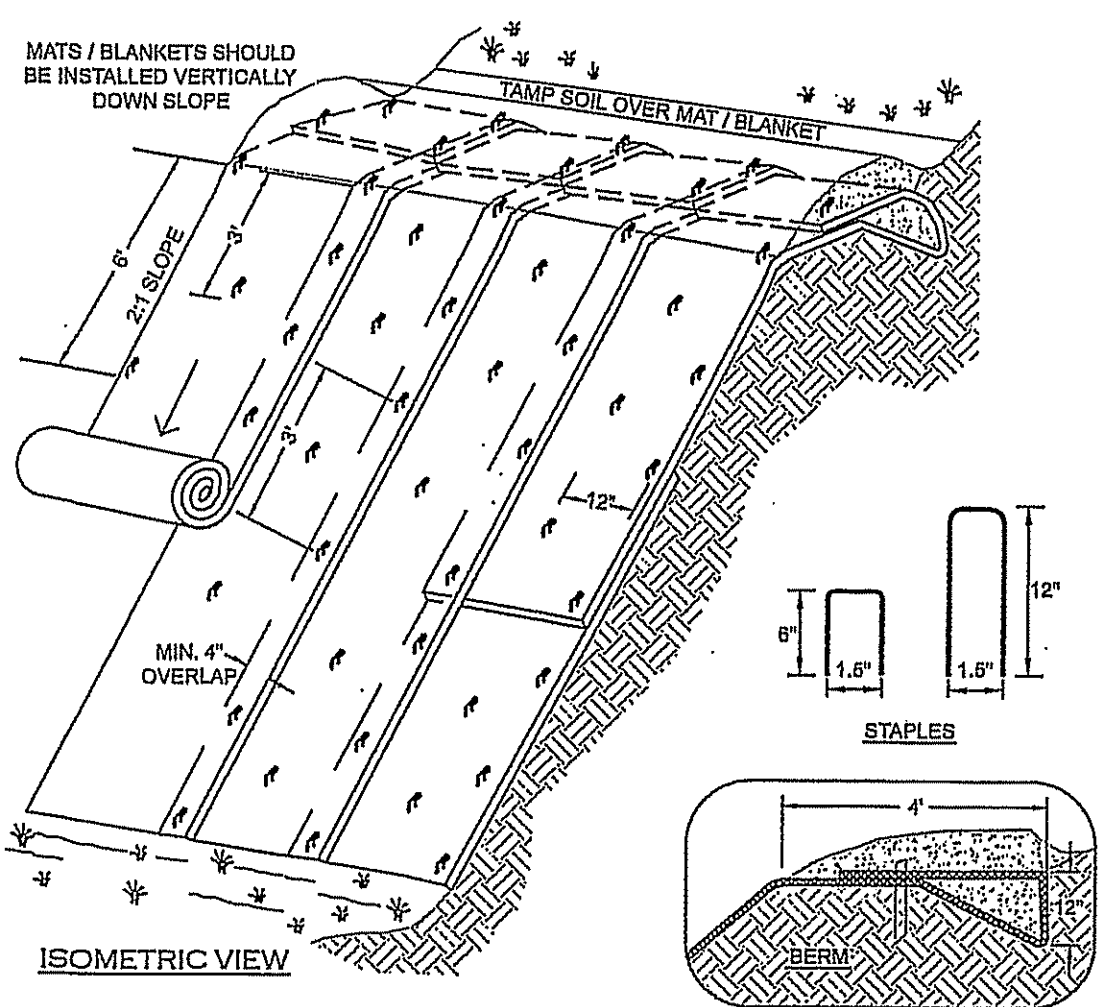
22. LOT DISTURBANCE OTHER THAN SHOWN ON THE APPROVED PLANS, SHALL NOT COMMENCE UNTIL AFTER THE ROADWAY HAS THE BASE COURSE TO DESIGN ELEVATION AND THE ASSOCIATED DRAINAGE IS COMPLETE AND STABLE.
23. THE CONTRACTOR AND OWNER ARE RESPONSIBLE FOR OBSERVING AND MANAGING THE PROJECT PER RSA 430:53 AND AGR 3800 REGARDING INVASIVE SPECIES (PLANTS AND INSECTS). NO INVASIVE SPECIES PLANT OR INSECT SHALL BE INTRODUCED ONTO THE SITE.

24. SEDIMENT TRAPS AND/OR BASINS SHALL BE USED AS NECESSARY TO CONTAIN STORMWATER RUNOFF UNTIL PROPOSED STORMWATER MANAGEMENT AREAS ARE STABILIZED.

25. THE CONTRACTOR SHALL MAINTAIN THE EROSION CONTROL MEASURES IN A MAINTAINABLE CONDITION DURING THE CONSTRUCTION PERIOD.

EROSION CONTROL NOTES

CONTACT DIG SAFE
72 HOURS PRIOR
TO CONSTRUCTION
DIGSAFE.COM
OR DIAL 8 1 1
IT'S SMART, IT'S FREE, IT'S THE LAW
DigSafe
MAINTENANCE

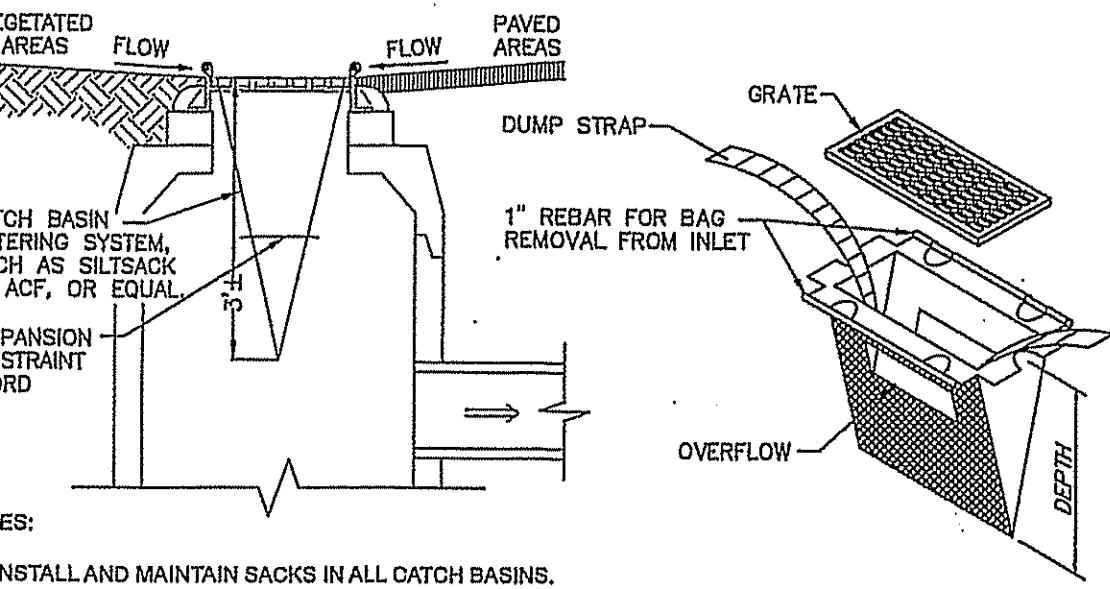


- NOTES:
1. DIMENSIONS GIVEN IN THIS DETAIL ARE EXAMPLES: DEVICE SHOULD BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
 2. INSTALL STRAWCOCONUT FIBER EROSION CONTROL MAT SUCH AS NORTH AMERICAN GREEN, ROLLMAX, ERONET™, SC150™ OR EQUAL ON ALL SLOPES EXCEEDING 3' HORIZ. : 1' VERT.
 3. THE EROSION CONTROL MATERIAL(S) SHALL BE ANCHORED WITH "U" SHAPED 11 GAUGE WIRE STAPLES OR WOODEN STAKES WITH A MINIMUM TOP WIDTH OF 1 INCH AND LENGTH OF 6 INCH.
 4. SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS AND GRASS. MATS / BLANKETS SHALL HAVE GOOD SOIL CONTACT.
 5. APPLY LIME, FERTILIZER AND PERMANENT SEEDING BEFORE PLACING BLANKETS.
 6. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET AS SHOWN. ROLL THE BLANKETS DOWN THE SLOPE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES OR STAKES IN APPROPRIATE LOCATIONS. REFER TO MANUFACTURER'S STAPLE GUIDE FOR CORRECT STAPLE PATTERN.
 7. LAY BLANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.
 8. IN LOOSE SOIL CONDITIONS THE USE OF STAPLES OR STAKE LENGTHS GREATER THAN 6 INCHES MAY BE NECESSARY TO PROPERLY SECURE THE BLANKETS.
 9. THE CONTRACTOR SHALL MAINTAIN THE BLANKET UNTIL ALL WORK ON THE CONTRACT HAS BEEN COMPLETED AND ACCEPTED. MAINTENANCE SHALL CONSIST OF THE REPAIR OF AREAS WHERE DAMAGED BY ANY CAUSE. ALL DAMAGED AREAS SHALL BE REPAIRED TO REESTABLISH THE CONDITIONS AND GRADE OF THE SOIL PRIOR TO APPLICATION OF THE COVERING AND SHALL BE RESEEDING, RESEEDING AND REMULCHED AS DIRECTED.

EROSION CONTROL BLANKETS - SLOPE INSTALLATION

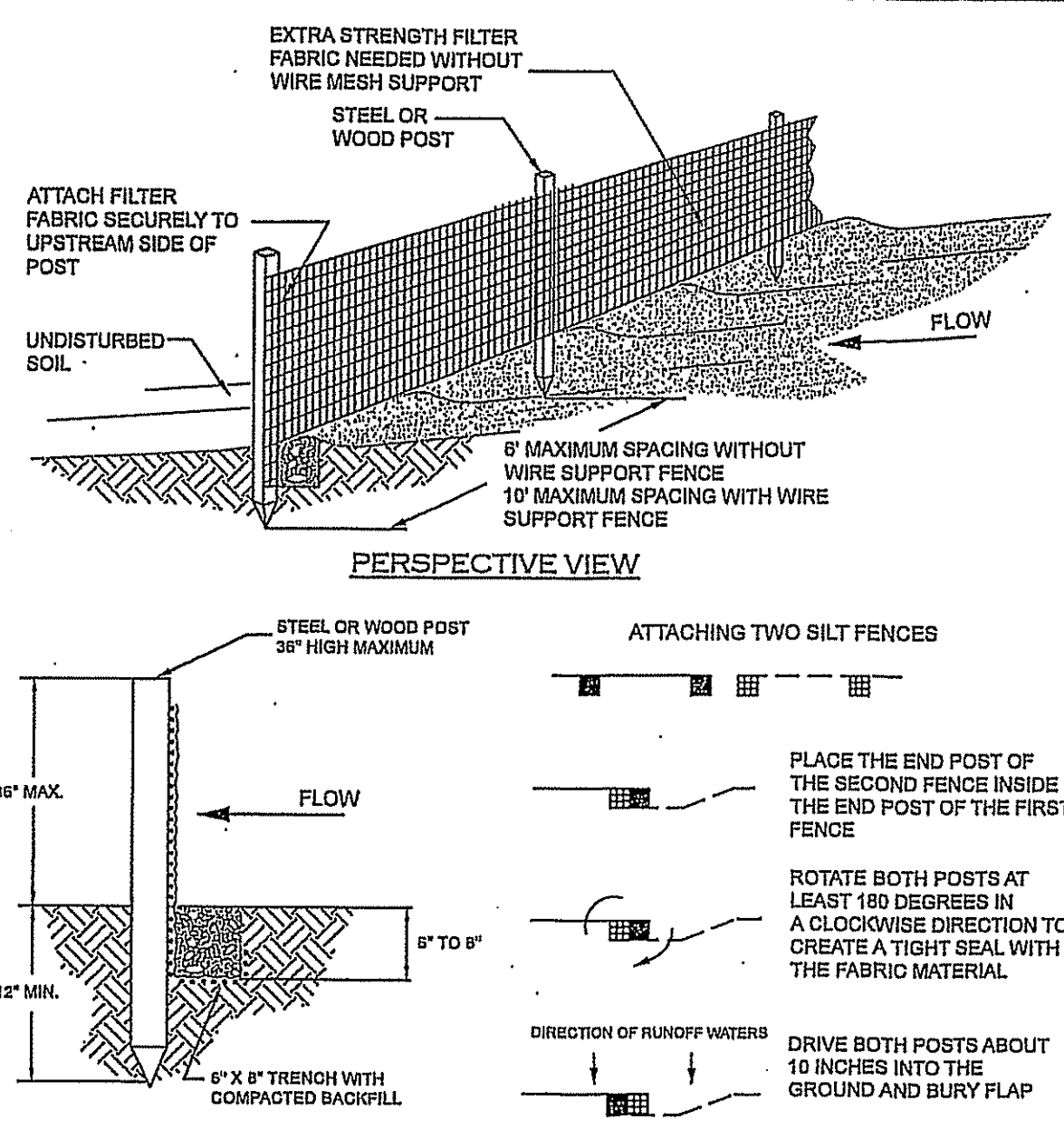
1. ALL PROPOSED VEGETATED AREAS WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATED GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE STABILIZED WITH EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN FLOW CONDITIONS.
2. ALL DITCHES OR SWALES WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATED GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE STABILIZED WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN FLOW CONDITIONS.
3. AFTER OCTOBER 15TH, INCOMPLETE ROAD OR PARKING SURFACES, WHERE WORK HAS STOPPED FOR THE WINTER SEASON, SHALL BE PROTECTED WITH A MINIMUM OF 3 INCHES OF CRUSHED GRAVEL OR PROPERLY INSTALLED EROSION CONTROL BLANKETS COVERED WITH HAY. OTHER STABILIZATION OPTIONS ARE TO BE APPROVED BY THE APPROPRIATE AGENCIES AND THE DESIGN ENGINEER. IF CONSTRUCTION IS TO CONTINUE THROUGH THE WINTER MONTHS THEN THE ROAD SHOULD BE CLEARED OF ACCUMULATED SNOW AFTER EACH STORM EVENT.

WINTER CONSTRUCTION NOTES



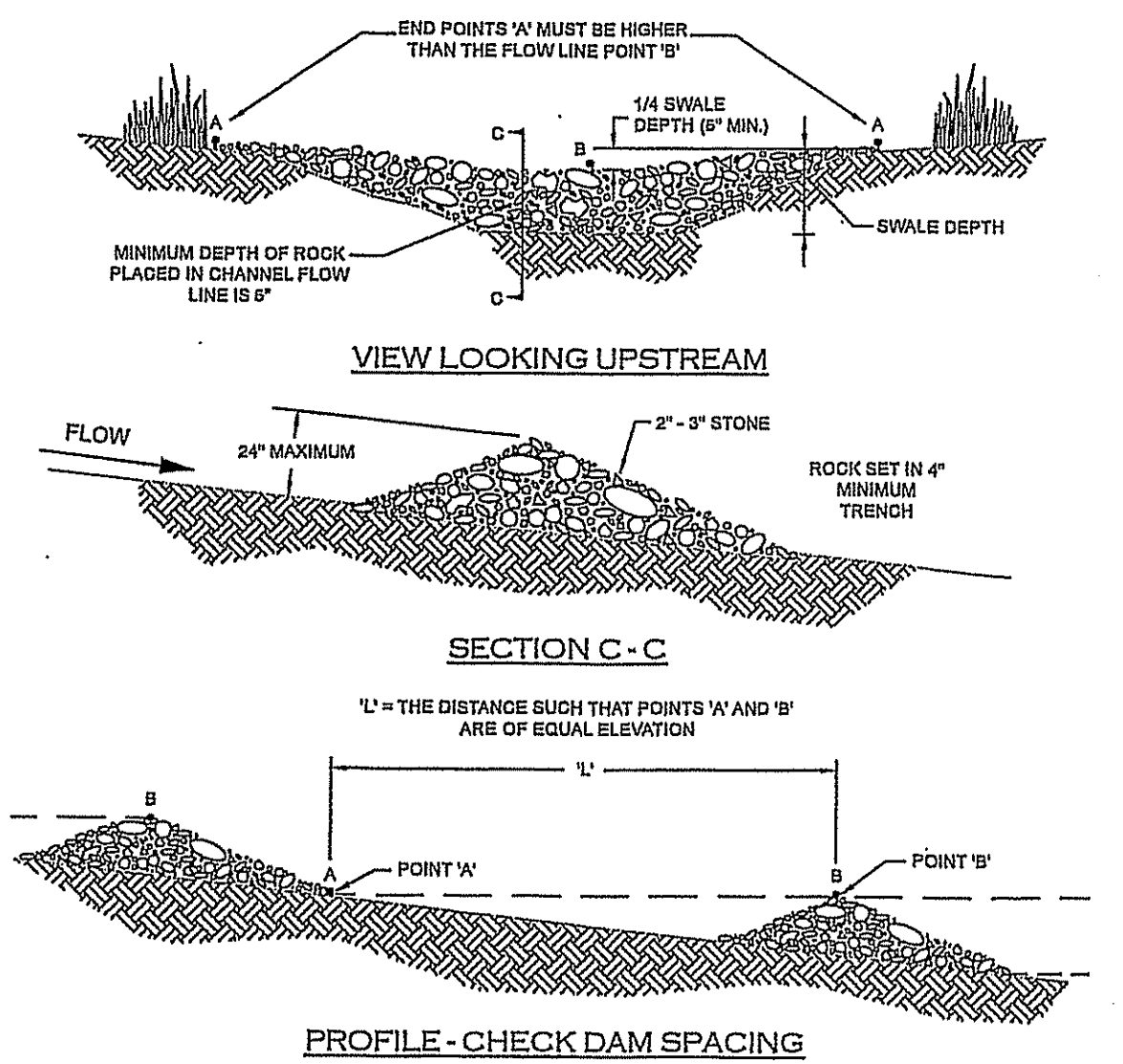
- NOTES:
1. INSTALL AND MAINTAIN SACKS IN ALL CATCH BASINS.
 2. TO INSTALL SACK, REMOVE CATCH BASIN GRATE AND PLACE SACK IN OPENING. HOLD OUT APPROXIMATELY SIX INCHES OF THE SACK OUTSIDE THE FRAME FOR THE LIFTING STRAPS. REPLACE THE GRATE TO HOLD THE SACK IN PLACE.
 3. THE SACK SHOULD BE INSPECTED AFTER EVERY STORM, OR ONCE EVERY TWO WEEKS, WHICH EVER OCCURS FIRST.
 4. THE RESTRAINT CORD SHOULD BE VISIBLE AT ALL TIMES. IF THE CORD IS COVERED WITH SEDIMENT, THE SACK SHOULD BE EMPTIED. EMPTY THE SACK AWAY FROM THE CATCH BASIN TO PREVENT SEDIMENT FROM RE-ENTERING THE CATCH BASIN. EMPTY THE SACK PER THE MANUFACTURER'S RECOMMENDATIONS.
 5. REPLACE THE SACK IN THE CATCH BASIN AFTER THE SACK HAS BEEN EMPTIED. ONCE CONSTRUCTION IS COMPLETE AND ALL DISTURBED AREAS HAVE BEEN STABILIZED BY PAVING OR A HEALTHY VEGETATIVE COVER, REMOVE THE SACK FROM THE CATCH BASINS.

SILT SACK SEDIMENT FILTER



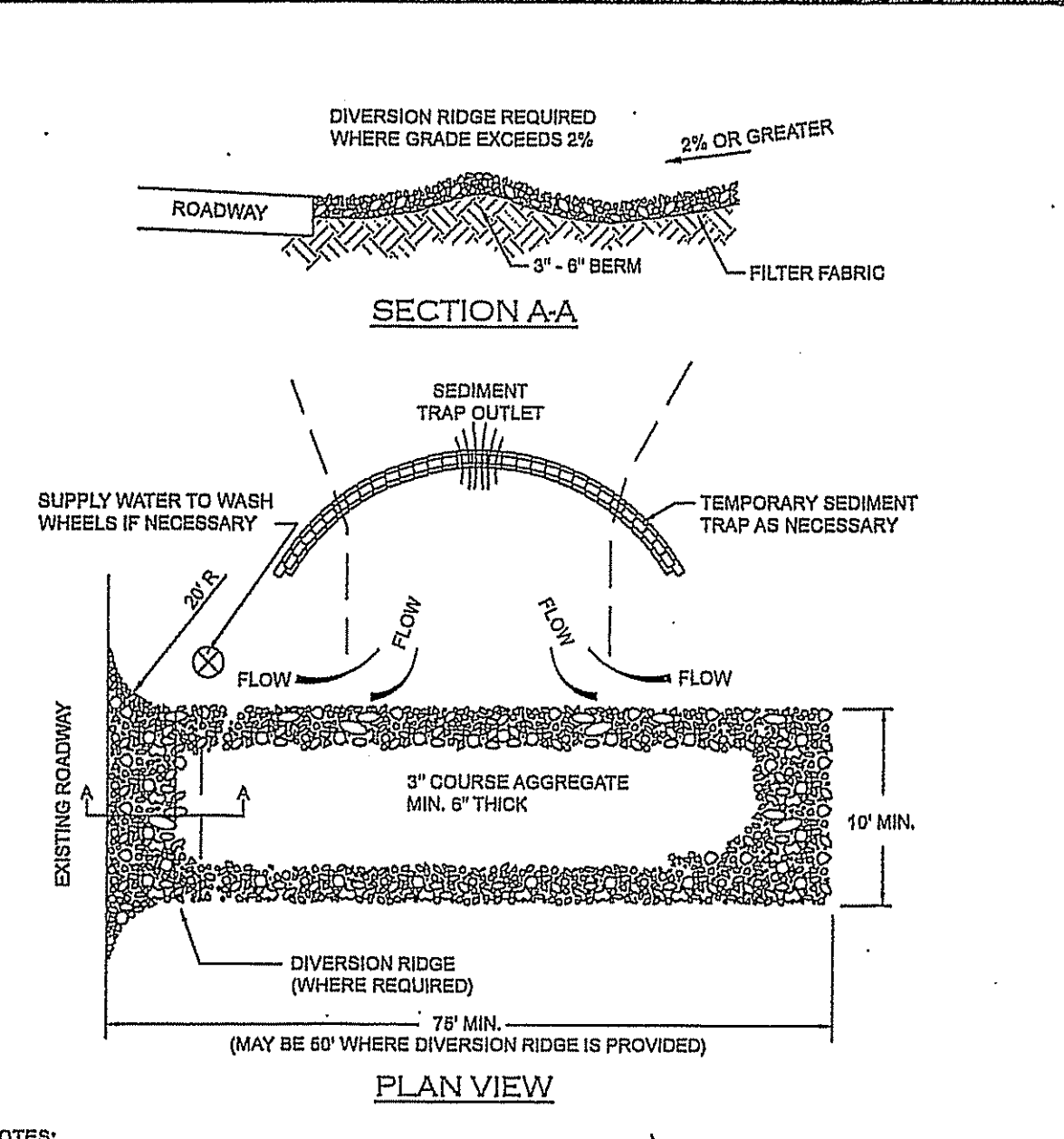
- NOTES:
1. SILT FENCES SHOULD NOT BE USED ACROSS STREAMS, CHANNELS, SWALES, DITCHES OR OTHER DRAINAGE WAYS.
 2. SILT FENCE SHOULD BE INSTALLED FOLLOWING THE CONTOUR OF THE LAND AS CLOSELY AS POSSIBLE AND THE ENDS OF THE SILT FENCE SHOULD BE FLARED UPSLOPE.
 3. IF THE SITE CONDITIONS INCLUDE FROZEN GROUND, LEDGE OR THE PRESENCE OF HEAVY ROOTS THE BASE OF THE FABRIC SHOULD BE EMBEDDED WITH A MINIMUM THICKNESS OF 8 INCHES OF 3/4-INCH STONE.
 4. SILT FENCES PLACED AT THE TOE OF SLOPES SHOULD BE INSTALLED AT LEAST 6 FEET FROM THE TOE TO ALLOW SPACE FOR SHALLOW PONDING AND ACCESS FOR MAINTENANCE.
 5. THE MAXIMUM SLOPE ABOVE THE FENCE SHOULD BE 2:1 AND THE MAXIMUM LENGTH OF SLOPE ABOVE THE FENCE SHOULD BE 100 FEET.
 6. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE TO SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.
 7. SILT FENCES SHOULD BE REMOVED WHEN THE UPSLOPE AREAS HAVE BEEN PERMANENTLY STABILIZED.

SILT FENCE



- NOTES:
1. STONE CHECK DAMS SHOULD BE INSTALLED BEFORE RUNOFF IS DIRECTED TO THE SWALE OR DRAINAGE DITCH.
 2. THE MAXIMUM CONTRIBUTING DRAINAGE AREA TO THE CHECK DAM SHOULD BE LESS THAN ONE ACRE.
 3. STONE CHECK DAMS SHOULD NOT BE USED IN A FLOWING STREAM.
 4. STONE CHECK DAMS SHOULD BE CONSTRUCTED OF WELL-GRADED ANGULAR 2 TO 3 INCH STONE. THE INSTALLATION OF 3/4-INCH STONE ON THE UPGRADIENT FACE IS RECOMMENDED FOR BETTER FILTERING.
 5. WHEN INSTALLING STONE CHECK DAMS THE CONTRACTOR SHALL KEY THE STONE INTO THE CHANNEL BANKS AND EXTEND THE STONE BEYOND THE ABUTMENTS A MINIMUM OF 13-INCHES TO PREVENT FLOW AROUND THE DAM.
 6. STONE CHECK DAMS SHOULD BE REMOVED ONCE THE SWALE OR DITCH HAS BEEN STABILIZED UNLESS OTHERWISE SPECIFIED.

STONE CHECK DAM



- NOTES:
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
 2. THE MINIMUM STONE USED SHOULD BE 3-INCH CRUSHED STONE.
 3. THE MINIMUM LENGTH OF THE PAD SHOULD BE 75 FEET, EXCEPT THAT THE MINIMUM LENGTH MAY BE REDUCED TO 60 FEET IF A 3-INCH TO 6-INCH HIGH BERM IS INSTALLED AT THE ENTRANCE OF THE PROJECT SITE.
 4. THE PAD SHOULD EXTEND THE FULL WIDTH OF THE CONSTRUCTION ACCESS ROAD OR 10 FEET, WHICHEVER IS GREATER.
 5. THE PAD SHOULD SLOPE AWAY FROM THE EXISTING ROADWAY.
 6. THE PAD SHOULD BE AT LEAST 6-INCHES THICK.
 7. THE GEOTEXTILE FILTER FABRIC SHOULD BE PLACED BETWEEN THE STONE PAD AND THE EARTH SURFACE BELOW THE PAD.
 8. THE PAD SHALL BE MAINTAINED OR REPLACED WHEN MUD AND SOIL PARTICLES CLOG THE VOIDS IN THE STONE SUCH THAT MUD AND SOIL PARTICLES ARE TRACKED OFF-SITE.
 9. NATURAL DRAINAGE THAT CROSSES THE LOCATION OF THE STONE PAD SHOULD BE INTERCEPTED AND PIPED BENEATH THE PAD, AS NECESSARY, WITH SUITABLE OUTLET PROTECTION.
 10. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
 11. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

GRAVEL CONSTRUCTION EXIT

REV.	DATE	DESCRIPTION	DES	DR	CK
G	4/30/20	REVISIONS PER CLIENT & IN HSE REVIEW	CEB	CEB	
F	04/05/18	ADD SHEET 15, MINOR SITE, UTILITY PLAN REVS	GWS	NRC	CEB
E	03/22/18	ADDRESS DOT REVIEW	DOT	NRC	CEB
D	03/21/18	ADDRESS UEI REVIEW	UEI	NRC	CEB
C	01/12/18	TRASH RACK	DES	NRC	CEB
B	12/07/17	ADDRESS AOT REVIEW	DES	NRC	CEB
A	09/19/17	MINOR NOTATIONS	DES	NRC	CEB
REV.	DATE	DESCRIPTION	C/O	DR	CK

EROSION CONTROL DETAILS
GREATER WASTE SOLUTIONS, LLC
TAX MAP 2, LOTS 17-1, 17-2 & 37-1
426 FITCHBURG ROAD, GREENVILLE, NH
LAND OF:
GMB LEASING, LLC
124 OLD WILTON ROAD, GREENVILLE, NH 03048

SCALE: AS NOTED MAY 2, 2017

Surveying ♦ Engineering ♦ Land Planning ♦ Permitting ♦ Septic Designs

FIELDSTONE
LAND CONSULTANTS, PLLC
206 Elm Street, Milford, NH 03055
Phone: (603) 672-5456 Fax: (603) 413-5456
www.FieldstoneLandConsultants.com

- ### GENERAL CONSTRUCTION NOTES



- SCALE: N.T.S.

PAVEMENT TRENCH PATCH



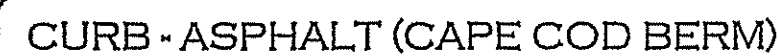
- SCALE: N.T.S.

PAVEMENT MATCH

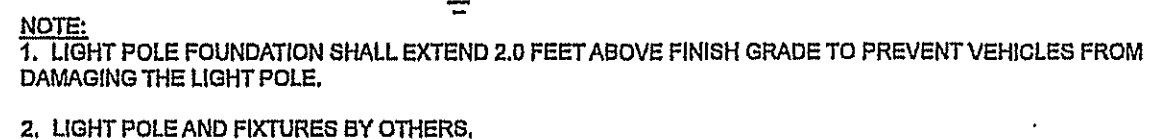


- *USE EROSION CONTROL BLANKETS ON SLOPES OVER 2:1 SLOPE*

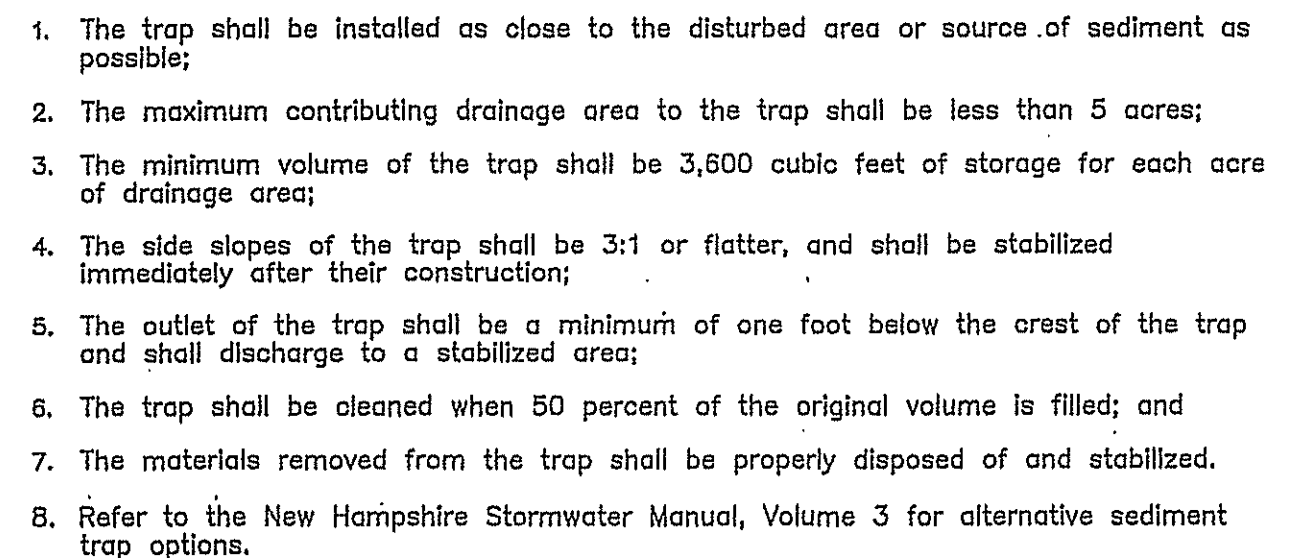
TYPICAL SWALE DETAIL W/ RIPRAP/ECB



TYPICAL UTILITY TRENCH



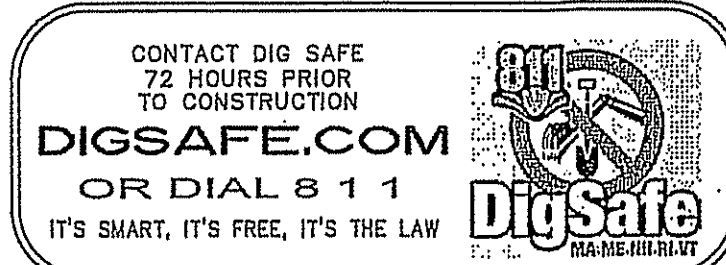
LIGHT POLE FOUNDATION



SEDIMENT TRAP



PARKING LOT PAVEMENT SECTION



CONSTRUCTION DETAILS

*GREATER WASTE
SOLUTIONS, LLC*

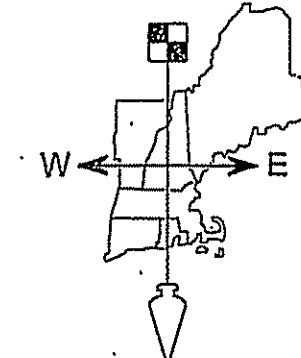
**TAX MAP 2, LOTS 17-1, 17-2 & 37-1
426 FITCHBURG ROAD, GREENVILLE, NH**

LAND OF,
GMB LEASING, LLC
124 OLD WILTON ROAD, GREENVILLE, NH 03048

SCALE: AS NOTED

MAY 2, 2017

Surveying ♦ Engineering ♦ Land Planning ♦ Permitting ♦ Septic Designs



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FILE: 204DT02G.dwg	PROJ. NO. 204.02	SHEET: DT-2	PAGE 11
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1. CATCH BASINS, PIPE INLETS, DRAINAGE BASINS AND SPILLWAYS SHALL BE INSPECTED AFTER EVERY MAJOR STORM FOR POLLUTANT BUILD-UP. POLLUTANTS CONSIST OF SEDIMENTS, DEBRIS AND/OR FLOATING HYDROCARBONS.
2. IN THE ABSENCE OF A MAJOR STORM, THE SYSTEM MUST BE CHECKED AT LEAST TWICE A YEAR, IN THE SPRING AND FALL FOR HYDROCARBON ACCUMULATION.
3. IF, UPON INSPECTION, A SIGNIFICANT AMOUNT OF POLLUTANTS HAVE ACCUMULATED IN ANY OF THE CATCH BASINS, THEN THE POLLUTANTS MUST BE REMOVED AND DISPOSED OF PROPERLY.
4. A SIGNIFICANT AMOUNT OF POLLUTANTS SHALL BE DEFINED AS A NOTICEABLE SHEEN ON THE WATER SURFACE IN THE SUMPS OF ANY CATCH BASINS AND/OR WHEN SEDIMENTS HAVE ACCUMULATED TO WITHIN 6 INCHES BELOW THE OUTLET OF ANY OF THE CATCH BASINS. WHEN EITHER OF THESE SITUATIONS ARE DISCOVERED UPON THE REQUIRED SEMIANNUAL INSPECTION, THEN THE STEPS STATED ABOVE SHALL BE COMPLETED.
5. THE DRAINAGE BASIN EMBANKMENTS SHOULD BE INSPECTED FOR RODENT BURROWS, BARE SPOTS, WET AREAS OR EROSION. ANY DEFICIENCIES SHALL BE CORRECTED TO PREVENT ADDITIONAL DAMAGE.
6. PIPE OUTLETS SHOULD BE INSPECTED ANNUALLY AND AFTER EVERY MAJOR STORM. THE CONDITION OF THE PIPES SHOULD BE NOTED AND REPAIRS MADE AS NECESSARY. IF EROSION IS TAKING PLACE THEN MEASURES SHOULD BE TAKEN TO STABILIZE AND PROTECT THE ERODED AREA OF THE OUTLET.

STORMWATER MAINTENANCE NOTES

1
DT-3

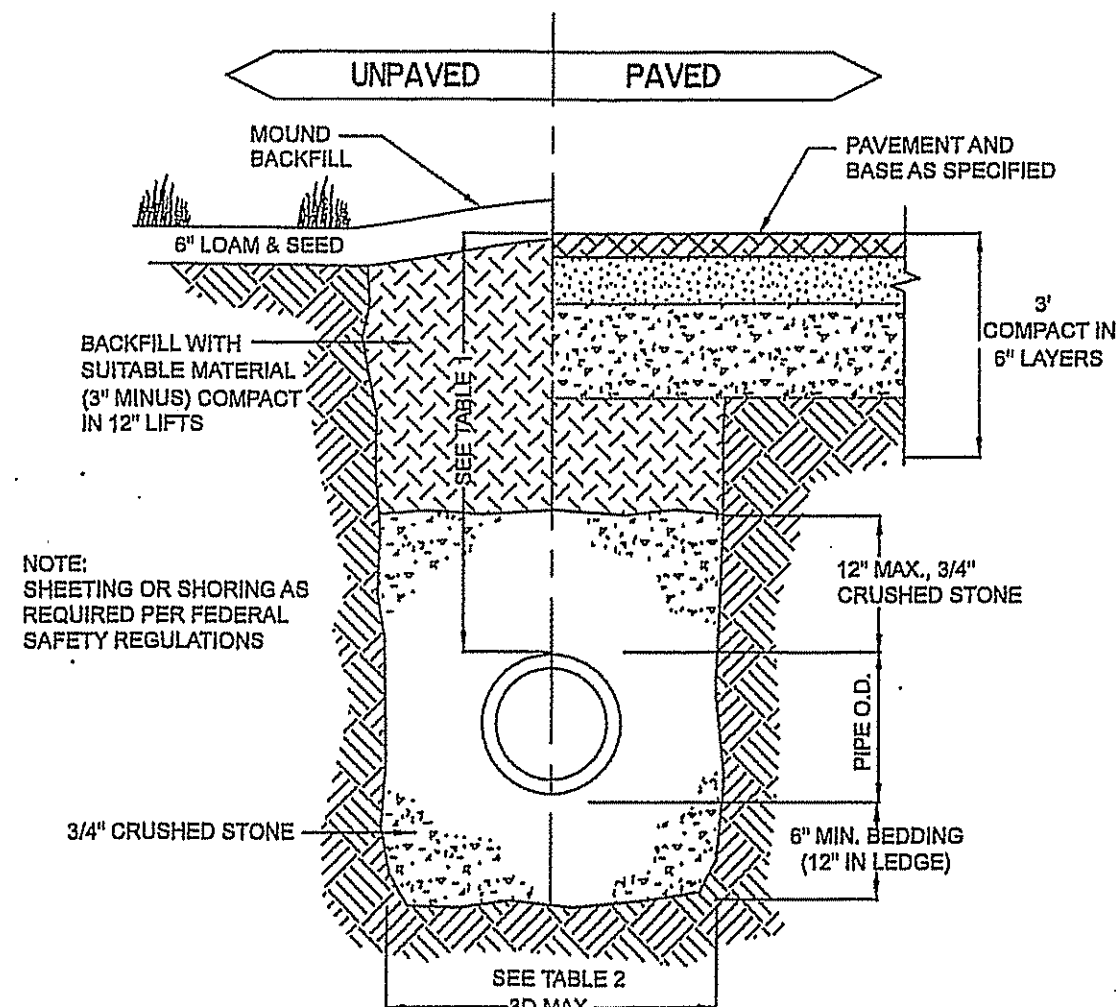
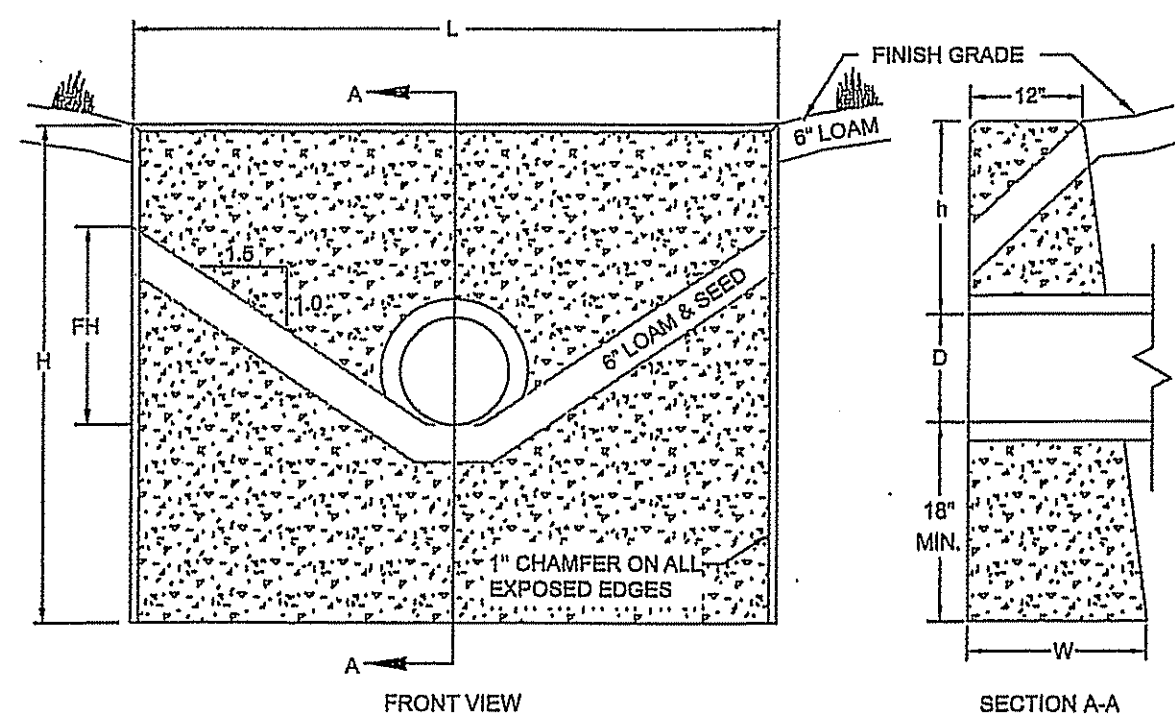


TABLE 1 (RECOMMENDED COVER)			
LOCATION	PIPE MATERIAL	MINIMUM COVER	
PAVED ROADS	ALL	3 FT.	
GRAVEL ROADS	ALL	2 FT.	
DRIVEWAYS	ALL	1 FT.	
UNPAVED AREAS	ALL	2 FT.	

TABLE 2 (RECOMMENDED TRENCH WIDTH)			
INSIDE DIAMETER	TOTAL WIDTH		
12" TO 24"	I.D. + 24"		
OVER 24"	2 x I.D.		

DRAINAGE TRENCH (TYPICAL)

SCALE: N.T.S.
2
DT-3



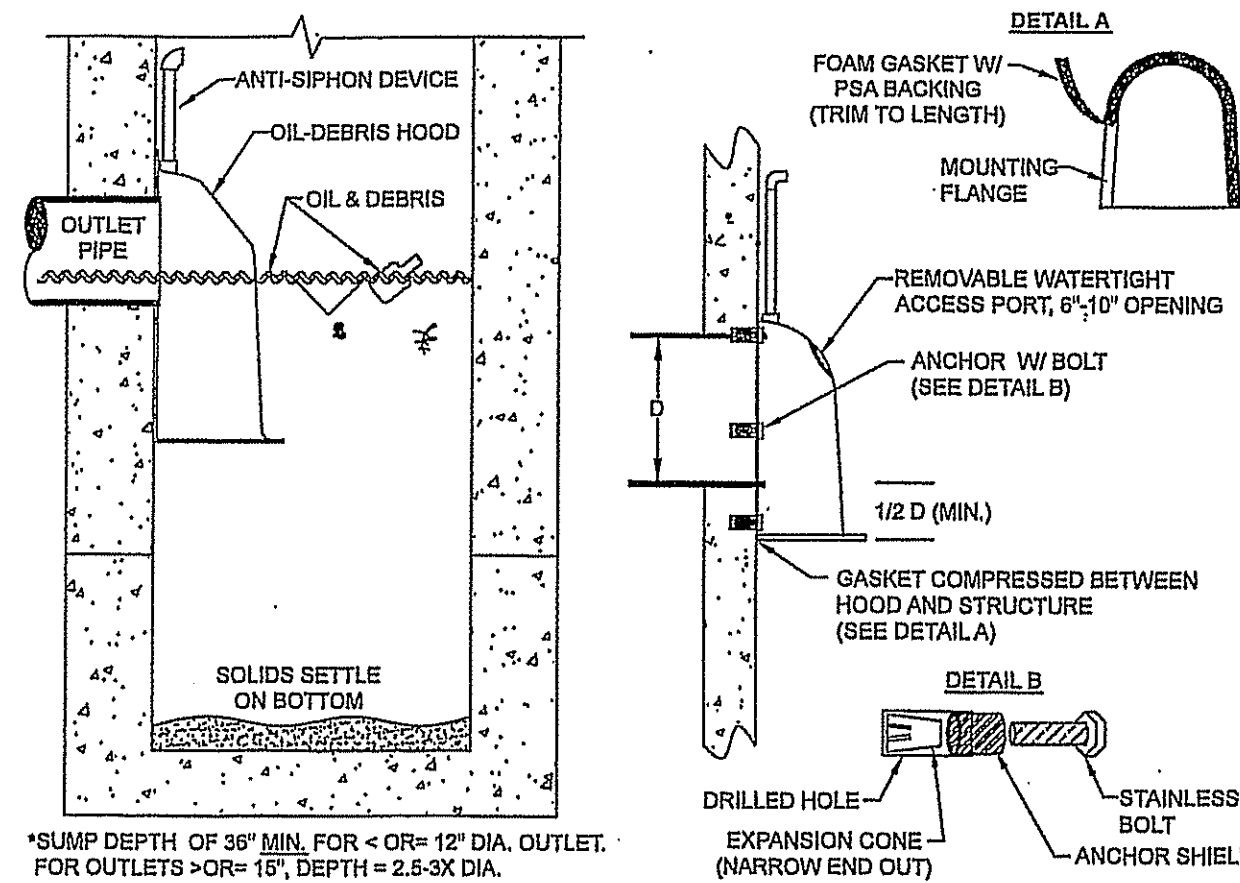
CULVERT DIAM.	HEADWALL LENGTH	HEADWALL HEIGHT	FILL HEIGHT	PIPE COVER	HEADWALL BOTTOM
D	L	H	PH	h	W
FEET & INCHES					
12	4'-3"	2'-9"	1'-1"	1'-3"	1.84'
15	6'-0"	4'-3"	1'-7"	1'-6"	2.08'
18	7'-0"	4'-6"	1'-10"	1'-8"	2.13'
24	9'-0"	5'-0"	2'-4"	1'-6"	2.25'
30	11'-0"	5'-6"	2'-10"	1'-6"	2.38'

HEADWALL SHALL BE STEEL REINFORCED. DESIGN TO BE DETERMINED BY MANUFACTURER.

SCALE: N.T.S.

HEADWALL - PRECAST CONCRETE (OR EQUAL)

3
DT-3



*SUMP DEPTH OF 36" MIN. FOR < OR = 12" DIA. OUTLET. FOR OUTLETS > OR = 15", DEPTH = 2.5-3X DIA.

STRUCTURE OUTLET HOLE SIZE	HOOD SIZE
11.9" O.D. OR LESS	12 F or R
12.0"-17.9" O.D.	18 F or R
18.0"-23.9" O.D.	24 F or R
24.0"-29.9" O.D.	30 F or R
30.0"-47.9" O.D.	48 F
48.0"-95.9" O.D.	96 F

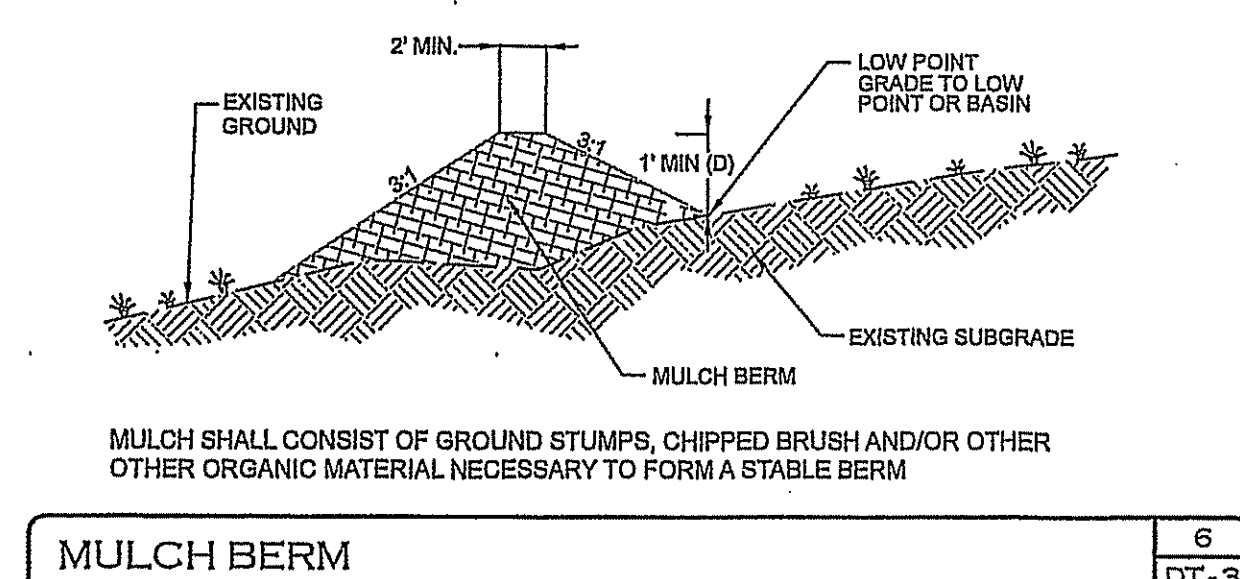
INSTALLATION NOTE:
POSITION HOOD SUCH THAT BOTTOM FLANGE IS A DISTANCE OF 1/2 OUTLET PIPE DIAMETER (MIN.) BELOW THE PIPE INVERT. MINIMUM DISTANCE FOR PIPES < 12" I.D. IS 6".

OIL-DEBRIS HOODS SHALL BE INSTALLED ON THE FOLLOWING STRUCTURES: CB3, CB4 & CB5

1. ALL HOODS SHALL BE EQUIPPED WITH A WATERTIGHT ACCESS PORT, A MOUNTING FLANGE, AND AN ANTI-SIPHON VENT AS DRAWN. (SEE CONFIGURATION DETAIL)
2. THE SIZE AND POSITION OF THE HOOD SHALL BE DETERMINED BY OUTLET PIPE SIZE AS PER MANUFACTURER'S RECOMMENDATION.
3. THE BOTTOM OF THE HOOD SHALL EXTEND DOWNWARD A DISTANCE EQUAL TO 1/2 THE OUTLET PIPE DIAMETER WITH A MINIMUM DISTANCE OF 6" FOR PIPES < 12" I.D.
4. THE ANTI-SIPHON VENT SHALL EXTEND ABOVE HOOD BY MINIMUM OF 3" AND A MAXIMUM OF 12" ACCORDING TO STRUCTURE CONFIGURATION.
5. THE SURFACE OF THE STRUCTURE WHERE THE HOOD IS MOUNTED SHALL BE FINISHED SMOOTH AND FREE OF LOOSE MATERIAL AND THE PIPE SHALL BE TRIMMED FLUSH TO WALL.
6. THE HOOD SHALL BE SECURELY ATTACHED TO STRUCTURE WALL WITH 3/8" STAINLESS STEEL BOLTS AND OIL-RESISTANT GASKET AS SUPPLIED BY MANUFACTURER. (SEE INSTALLATION DETAIL)
7. ALL HOODS AND TRAPS FOR CATCH BASINS AND WATER QUALITY STRUCTURES SHALL BE AS MANUFACTURED BY BEST MANAGEMENT PRODUCTS, INC., LYME, CT OR EQUAL.

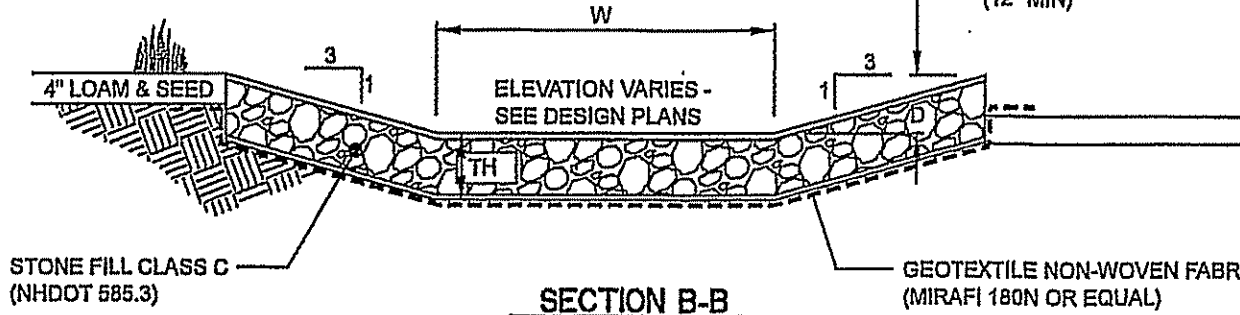
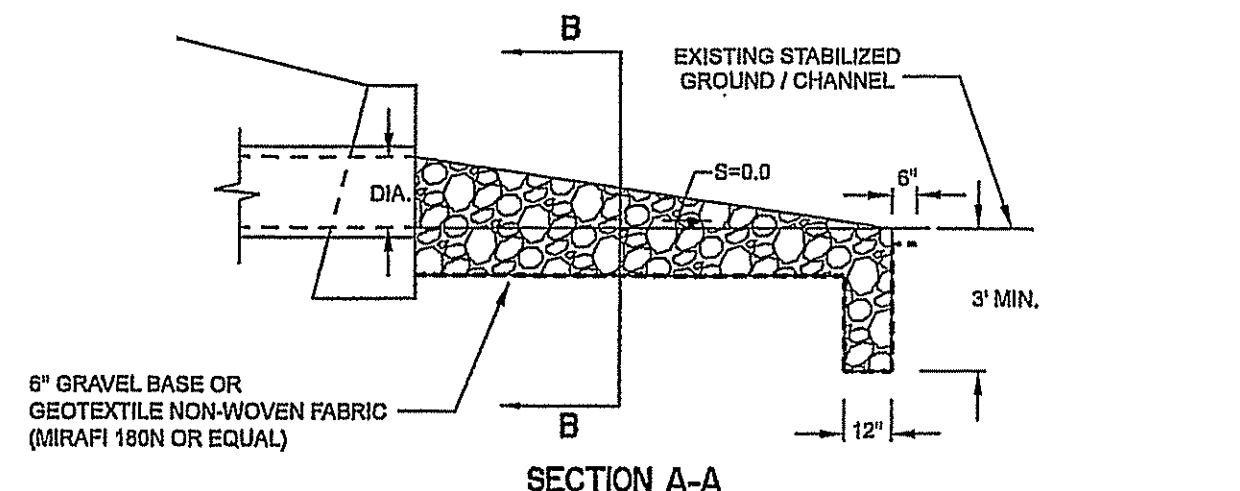
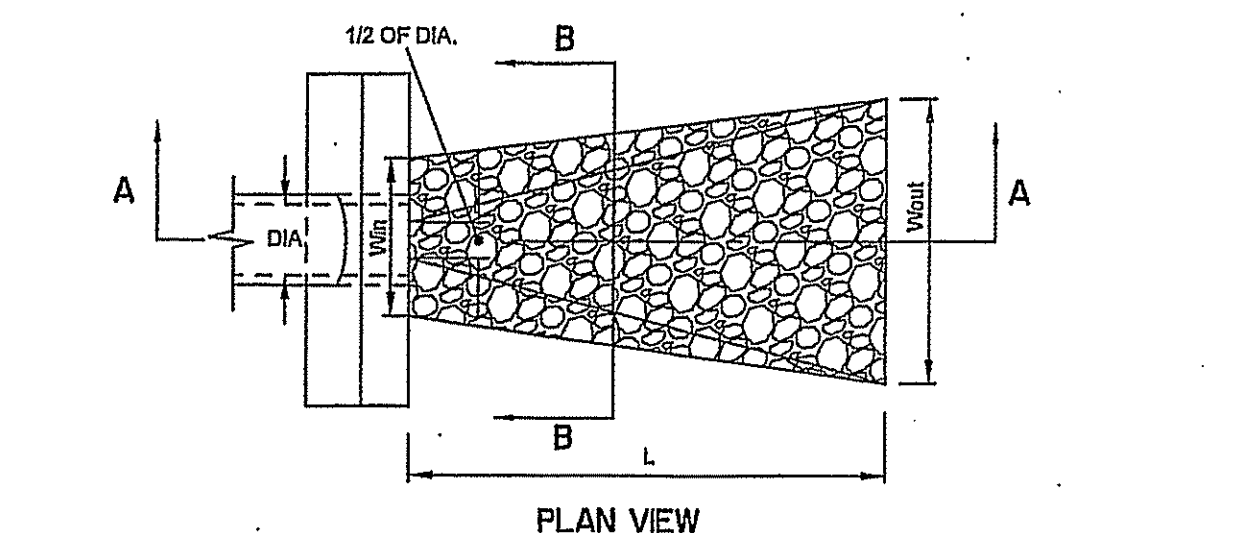
OIL-DEBRIS HOOD

4
DT-3



MULCH BERM

6
DT-3

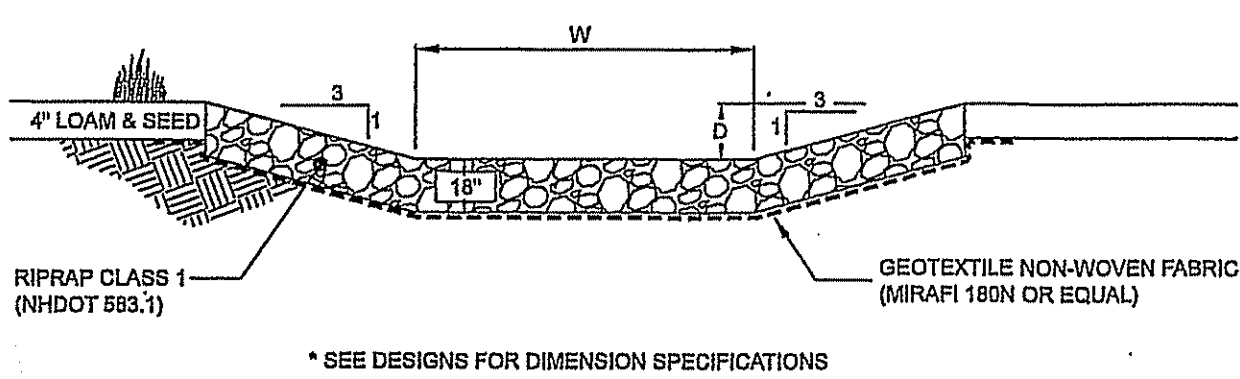


STRUCTURE	LENGTH	WIDTH (IN)	WIDTH (OUT)	d50	THICKNESS
FT.	FT.	FT.	FT.	DIA IN.	IN.
HW 1	14	4	17	4"	12"
HW 2	12	5	16	4"	16"
HW 3	14	3	9	4"	12"
HW 4	16	5	21	4"	18"

SCALE: N.T.S.

RIP-RAP OUTLET PROTECTION

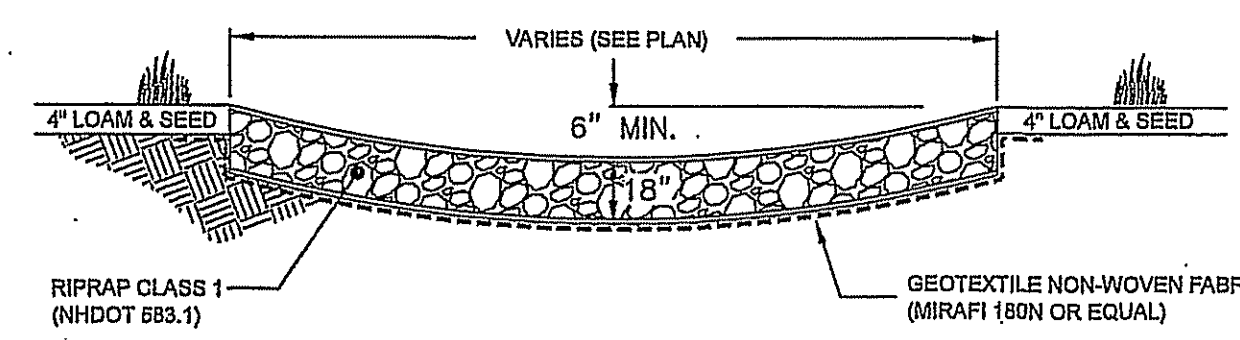
7
DT-3



SCALE: N.T.S.

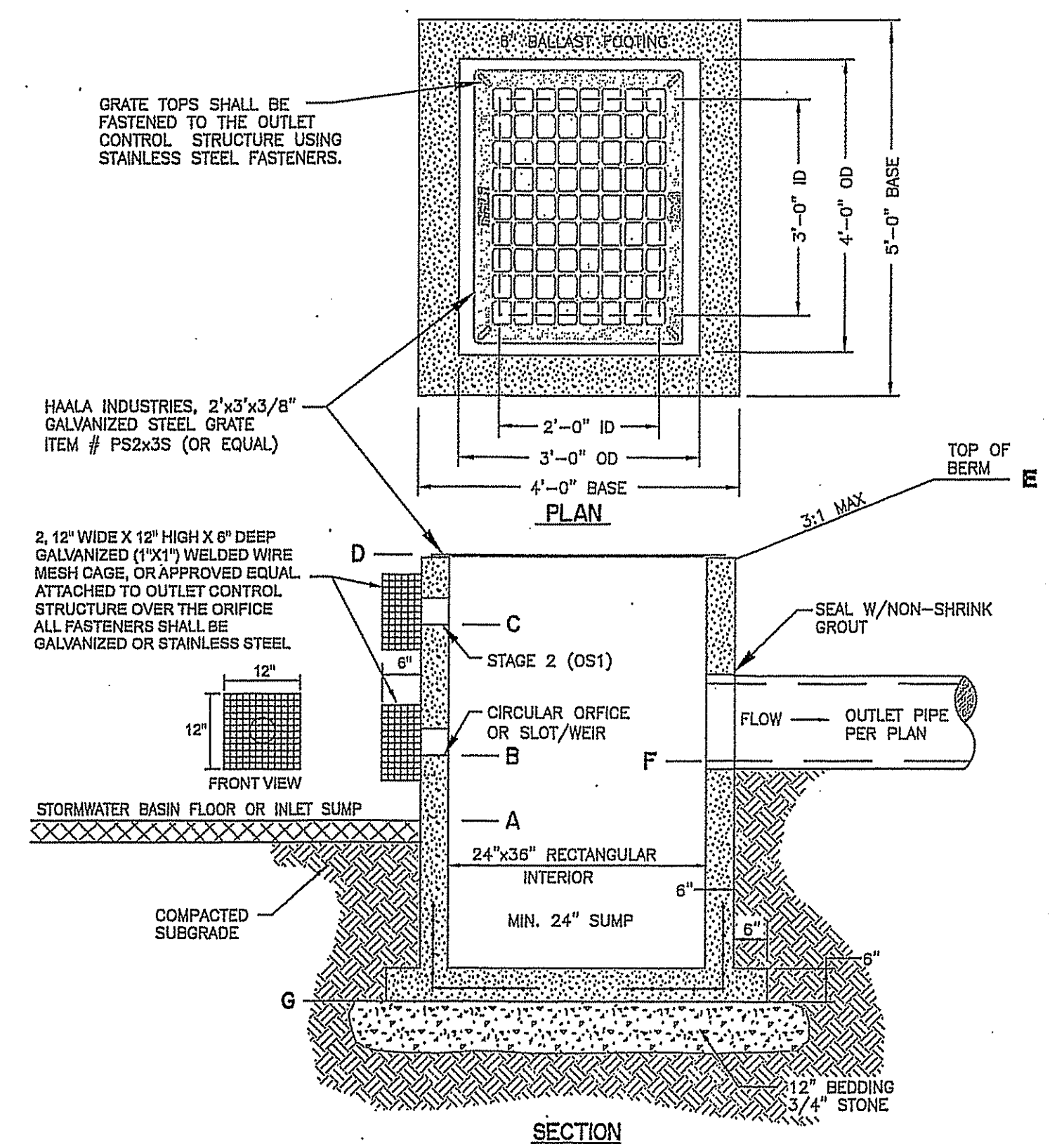
RIPRAP SPILLWAY DETAIL

8
DT-3



RIP RAP FLUME

9
DT-3

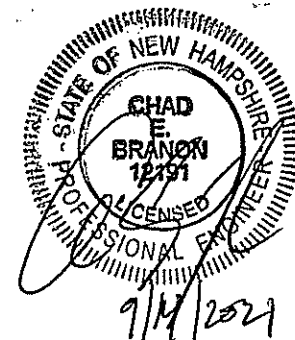


LOCATION	BASIN OUTLETS		ELEVATIONS (FT.)							
	STAGE 1	STAGE 2	A	B	C	D	E	F	G	
OS1 (60SP)	2.5" ORIFICE	6" ORIFICE	868.0	872.00	875.30	876.5	878.0	870.7	866.2	
OS2 (60BP)	6" ORIFICE	NA	878.0	881.90	NA	884.3	886.0	878.8	876.3	

SCALE: N.T.S.

STORMWATER BASIN OUTLET STRUCTURE

10
DT-3



CONTACT DIG SAFE 72 HOURS PRIOR TO CONSTRUCTION
DIGSAFE.COM
OR DIAL 8 1 1
IT'S SMART, IT'S FREE, IT'S THE LAW
DigSafe MAINE BRANCH

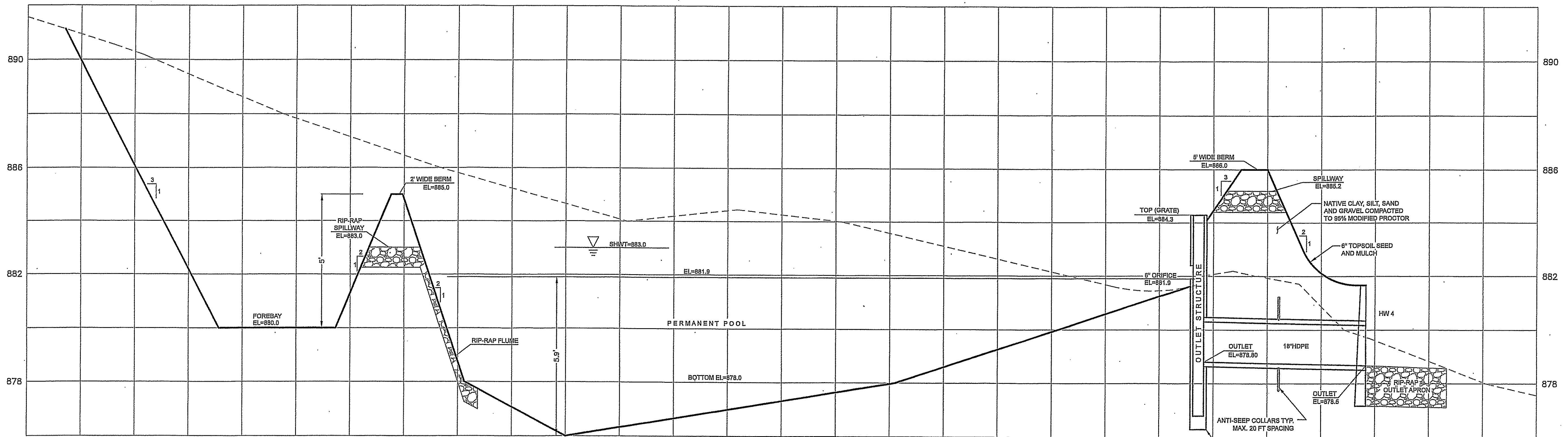
REV.	DATE	DESCRIPTION	DESIGNER	CHECKER	DATE
G	4/30/20	REVISIONS PER CLIENT & IN HSE REVIEW	CEB	CEB	
F	04/05/18	ADD SHEET 15, MINOR SITE, UTILITY PLAN REVS	GWS	NRC	CEB
E	03/22/18	ADDRESS DOT REVIEW	DOT	NRC	CEB
D	03/21/18	ADDRESS UEL REVIEW	UEL	NRC	CEB
C	01/12/18	TRASH RACK	DES	NRC	CEB
B	12/07/17	ADDRESS AOT REVIEW	DES	NRC	CEB
A	09/19/17	MINOR NOTATIONS	DES	NRC	CEB
REV.	DATE	DESCRIPTION	C/O	DR	CK

DRAINAGE DETAILS
GREATER WASTE SOLUTIONS, LLC
TAX MAP 2, LOTS 17-1, 17-2 & 37-1
426 FITCHBURG ROAD, GREENVILLE, NH
LAND OF:
GMB LEASING, LLC
124 OLD WILTON ROAD, GREENVILLE, NH 03048

SCALE: AS NOTED MAY 2, 2017

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206 Elm Street, Milford, NH 03055
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STORMWATER BASIN SECTION B-B

SEE SHEET GR-1 FOR PLAN VIEW OF SECTION

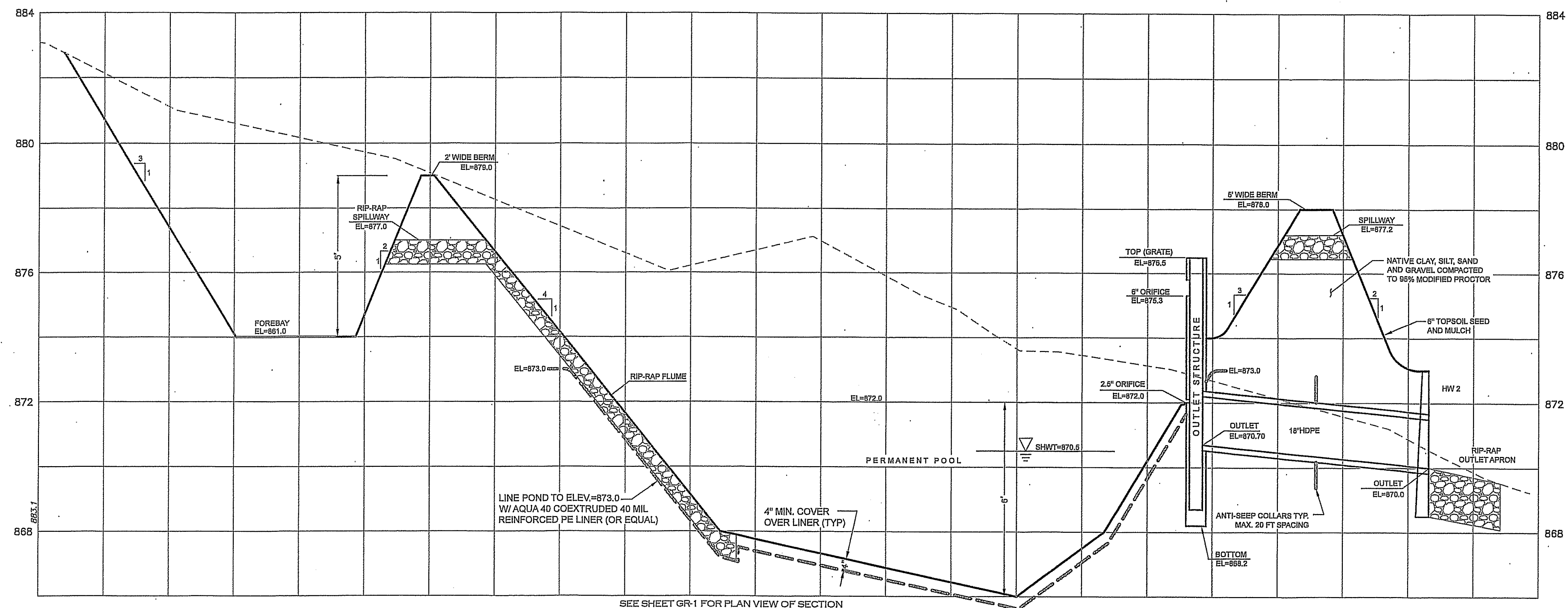
SCALE: 1"=10' (H) 2'(V)

DT-4

CONTACT DIG SAFE
72 HOURS PRIOR
TO CONSTRUCTION

DIGSAFE.COM
OR DIAL 8 1 1
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DigSafe
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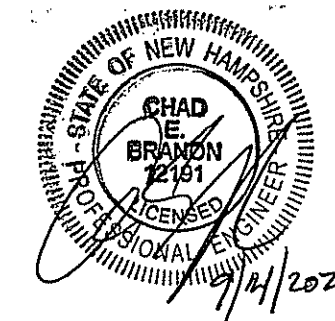


STORMWATER BASIN SECTION A-A

SEE SHEET GR-1 FOR PLAN VIEW OF SECTION

SCALE: 1"=10' (H) 2'(V)

DT-4



REV.	DATE	DESCRIPTION	C/O	DR	CK
G	4/30/20	REVISIONS PER CLIENT & IN HSE REVIEW	CEB	CEB	
F	04/05/18	ADD SHEET 15, MINOR SITE, UTILITY PLAN REVS	GWS	NRC	CEB
E	03/22/18	ADDRESS DOT REVIEW	DOT	NRC	CEB
D	03/21/18	ADDRESS UEI REVIEW	UEI	NRC	CEB
C	01/12/18	TRASH RACK	DES	NRC	CEB
B	12/07/17	ADDRESS AOT REVIEW	DES	NRC	CEB
A	09/19/17	MINOR NOTATIONS	DES	NRC	CEB

STORMWATER MANAGEMENT DETAILS

GREATER WASTE SOLUTIONS, LLC

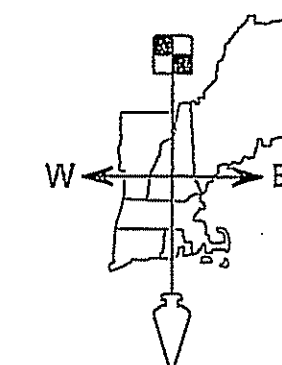
TAX MAP 2, LOTS 17-1, 17-2 & 37-1
426 FITCHBURG ROAD, GREENVILLE, NH

LAND OF,
GMB LEASING, LLC
124 OLD WILTON ROAD, GREENVILLE, NH 03048

SCALE: AS NOTED

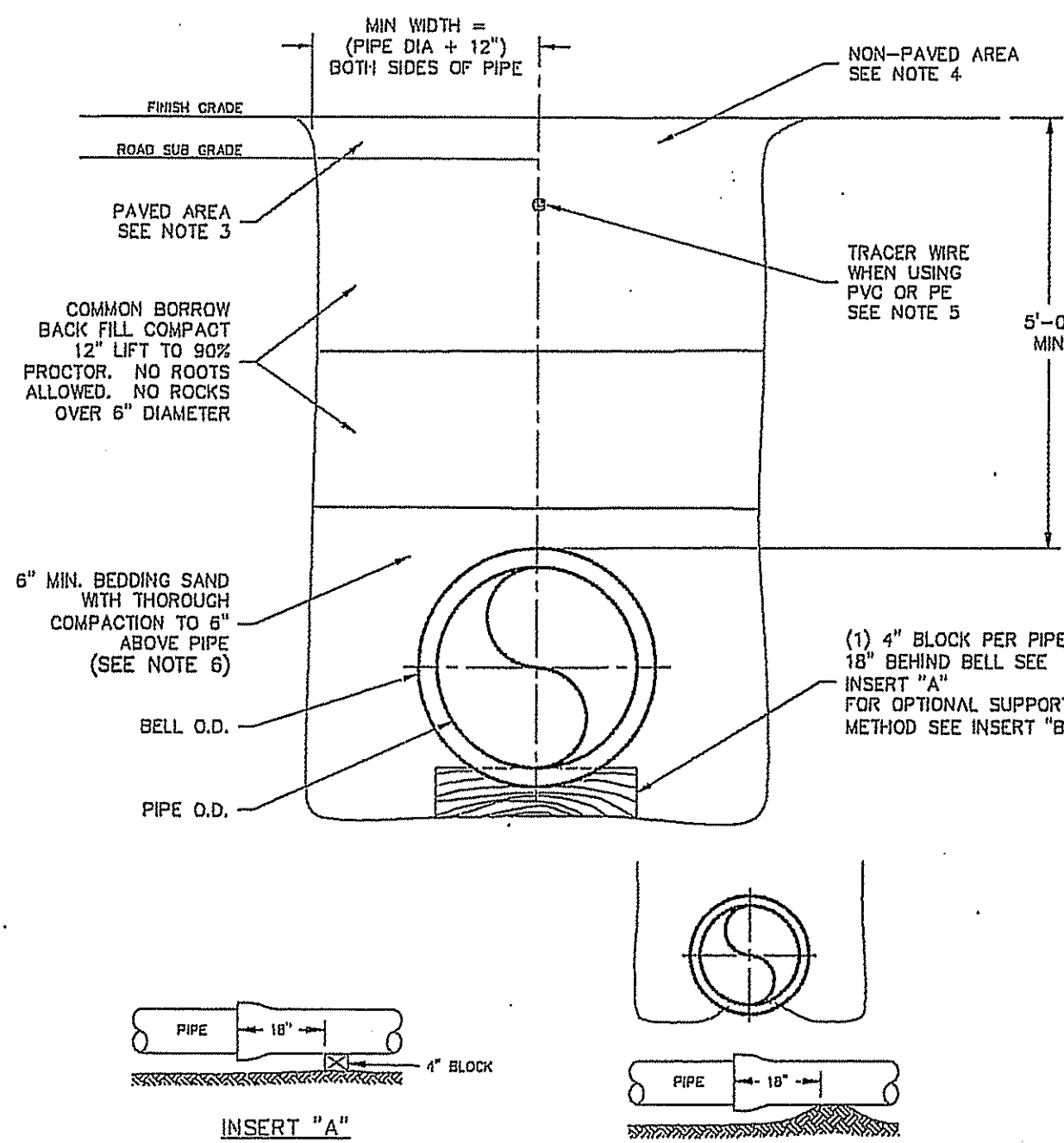
MAY 2, 2017

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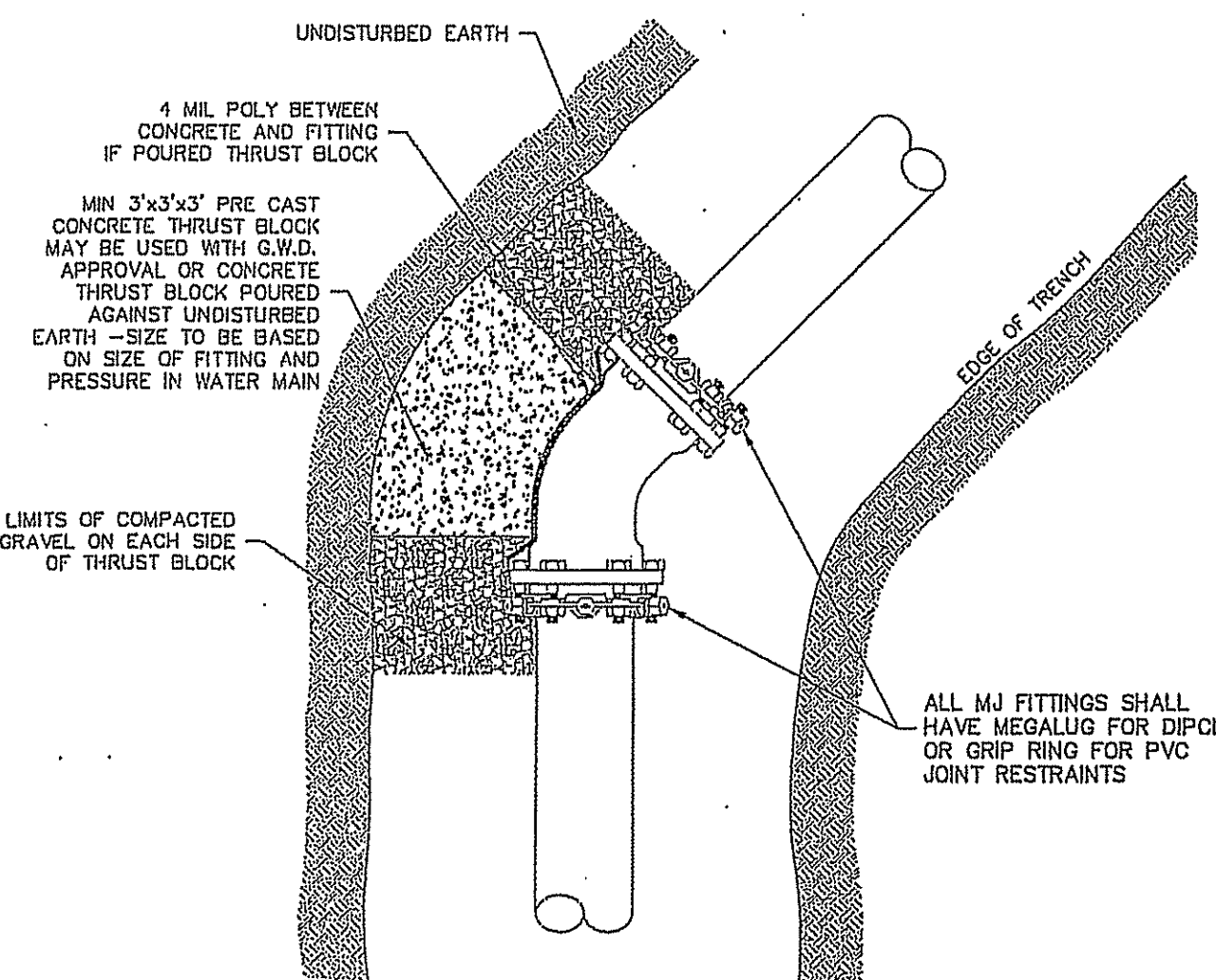


- NOTES:
1. ALL MATERIALS AND INSTALLATION PROCEDURES WILL CONFORM TO G.W.D. TECHNICAL SPECIFICATIONS.
 2. ALL PIPE SHOULD HAVE A MINIMUM DEPTH OF 5' FROM TOP OF PIPE TO FINISH GRADE.
 3. REQUIREMENTS FOR SUBBASE AND BASE MATERIAL TYPE ARE TO BE IN ACCORDANCE WITH LOCAL AUTHORITY HAVING LOCAL JURISDICTION IN PAVED AREAS.
 4. REQUIREMENTS FOR GRAVEL, LOAM AND/OR SEED ARE TO BE IN ACCORDANCE WITH LOCAL AUTHORITY HAVING LOCAL JURISDICTION IN NON-PAVED AREAS.
 5. 10 GAUGE TRACER WIRE AS MANUFACTURED BY BHS, DIVISION OF ALBEMAR CORP., AVON, MA OR EQUIVALENT.
 6. GENERAL FILL BELOW PAVEMENT SUB BASE SHALL BE COMPACTED TO 95% STANDARD PROCTOR.

SCALE: N.T.S.

1 DT-5

TYPICAL TRENCH DETAIL

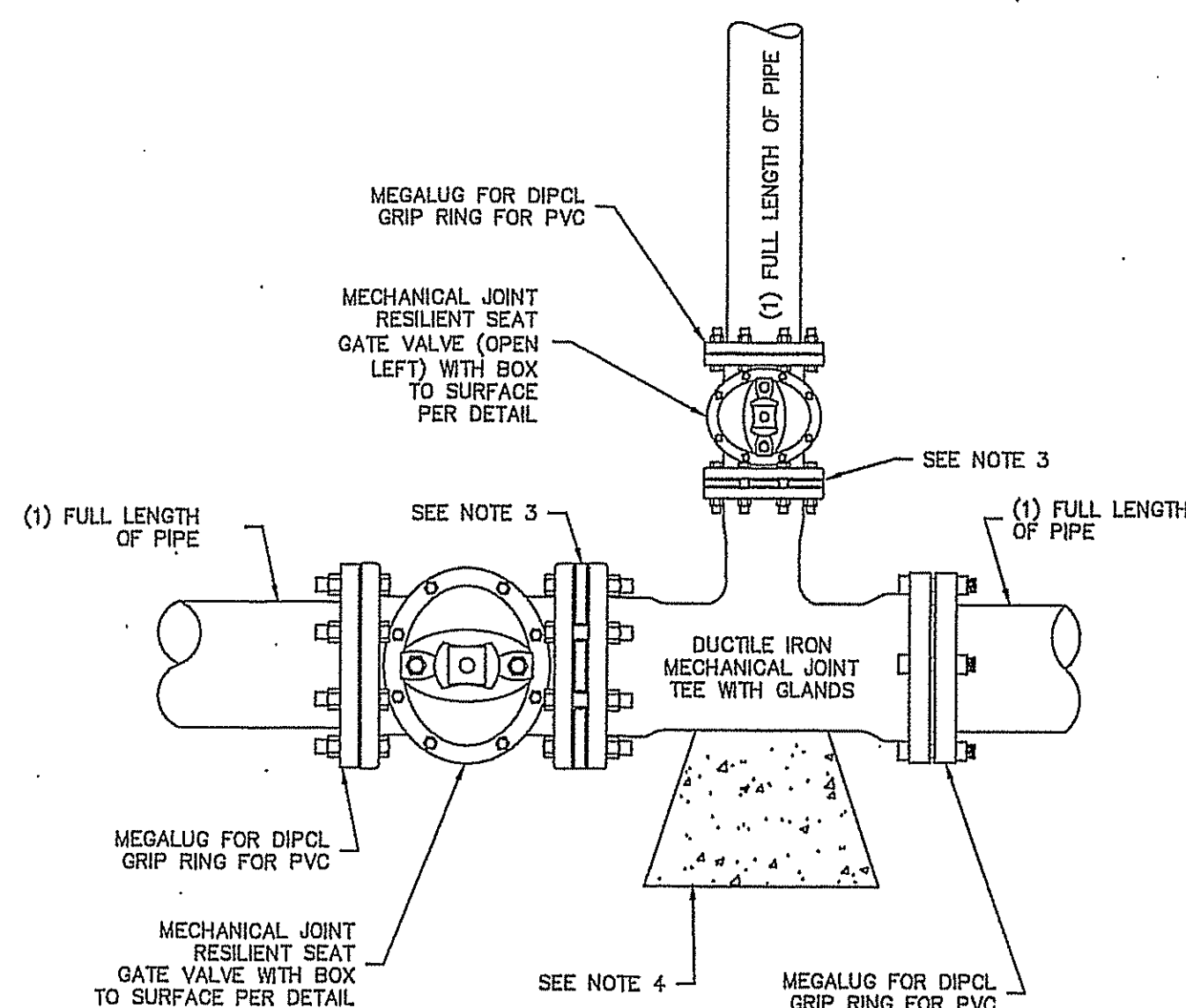


- NOTES:
1. ALL MATERIAL AND INSTALLATION PROCEDURES WILL CONFORM TO G.W.D. TECHNICAL SPECIFICATIONS.
 2. ALL PIPE SHOULD HAVE A MINIMUM DEPTHS OF 5' FROM TOP OF PIPE TO FINISH GRADE.
 3. 3/4" S.S. RODS SHALL BE USED IN CONJUNCTION WITH REQUIRED S.S. WIRE. RODS ARE TO BE ATTACHED TO FITTINGS WITH EITHER STAR BOLTS OR DUC LUGS. 10" FITTING OR SMALLER = (2) 3/4" S.S. RODS & ASSOC. HARDWARE. 12" FITTING OR LARGER = (4) 3/4" S.S. RODS & ASSOC. HARDWARE.
 4. MIN 3'x3'x3' PRE CAST CONCRETE THRUST BLOCK MAY BE USED WITH G.W.D. APPROVAL OR CONCRETE THRUST BLOCK POURED AGAINST UNDISTURBED EARTH - SIZE TO BE BASED ON SIZE OF FITTING AND PRESSURE IN WATER MAIN.

SCALE: N.T.S.

2 DT-5

TYPICAL THRUST BLOCK BEHIND FITTINGS

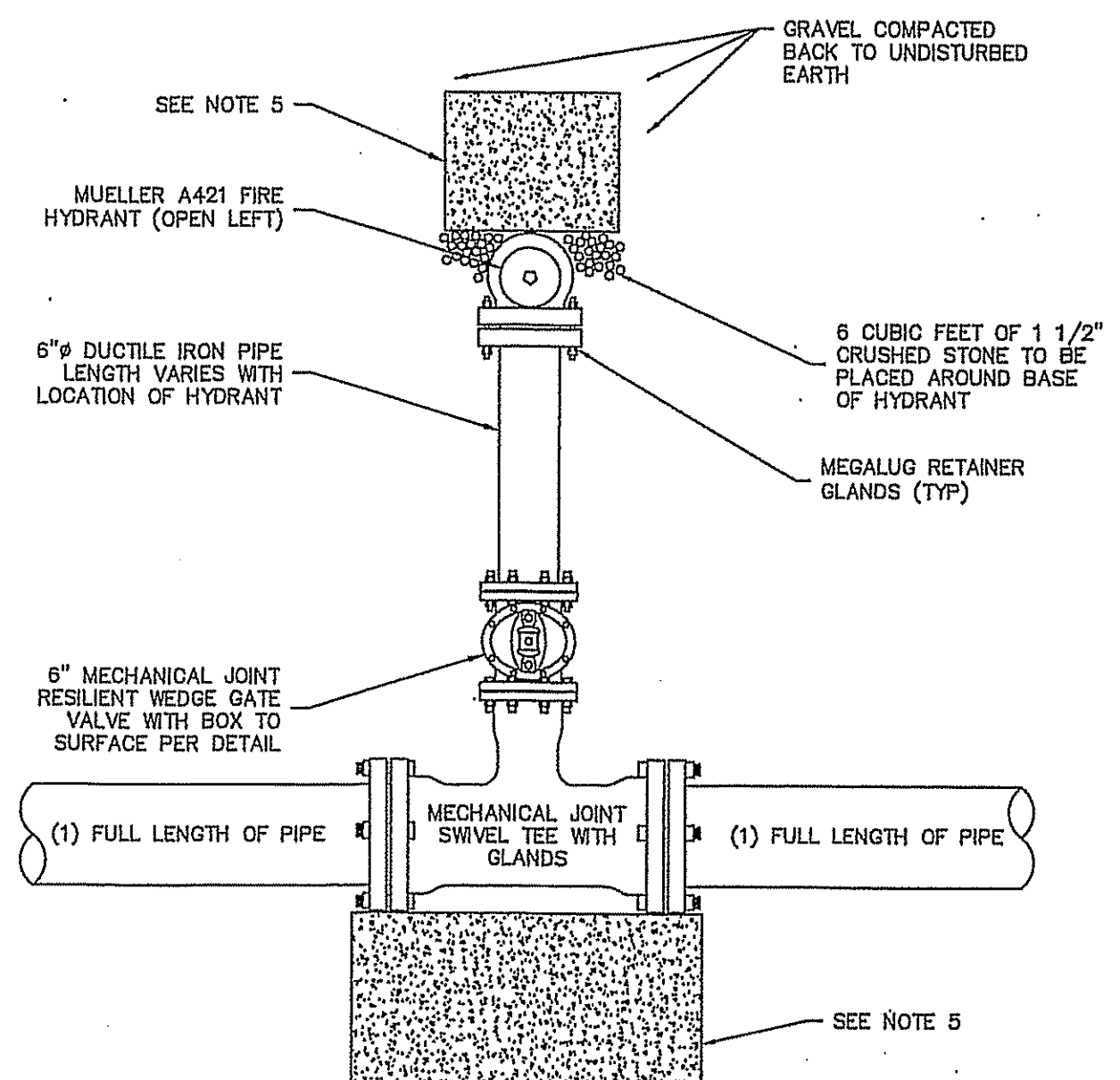


- NOTES:
1. ALL MATERIAL AND INSTALLATION PROCEDURES WILL CONFORM TO G.W.D. TECHNICAL SPECIFICATIONS.
 2. ALL PIPE SHOULD HAVE A MINIMUM DEPTHS OF 5'-6" FROM TOP OF PIPE TO FINISH GRADE.
 3. GATE VALVES SHALL BE RESTRAINED TO MECHANICAL JOINT TEES USING FOSTER TYPE ADAPTER, NOT STAINLESS STEEL RODS.
 4. MIN 3'x3'x3' PRE CAST CONCRETE THRUST BLOCK MAY BE USED WITH CONCRETE THRUST BLOCK POURED AGAINST UNDISTURBED EARTH. SIZE TO BE BASED ON SIZE OF FITTING AND PRESSURE IN WATER MAIN. SEE APPLICABLE DETAIL.

SCALE: N.T.S.

3 DT-5

TYPICAL TEE INSTALLATION

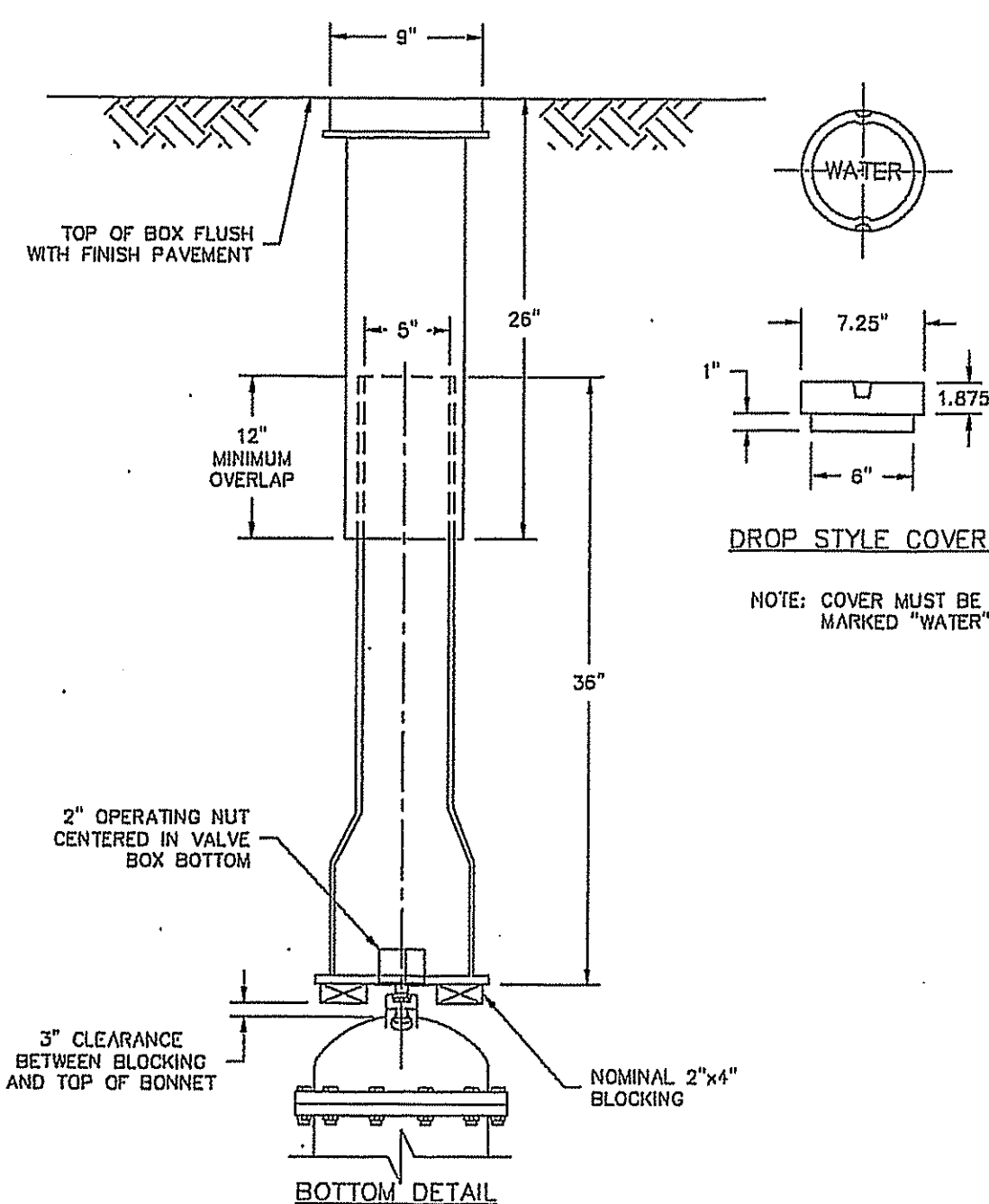


- NOTES:
1. ALL MATERIAL AND INSTALLATION PROCEDURES WILL CONFORM TO G.W.D. TECHNICAL SPECIFICATIONS.
 2. ALL PIPE SHOULD HAVE A MINIMUM DEPTHS OF 5'-6" FROM TOP OF PIPE TO FINISH GRADE.
 3. OWNER/ENGINEER SHALL APPROVE HYDRANT LOCATION IN FIELD PRIOR TO INSTALLATION
 4. PLUG HYDRANT DRAIN PORT WITH BRASS PLUG.
 5. MIN 3'x3'x3' PRE CAST CONCRETE THRUST BLOCK MAY BE USED WITH N.H.W.S.B. APPROVAL OR CONCRETE THRUST BLOCK POURED AGAINST UNDISTURBED EARTH - SIZE TO BE BASED ON SIZE OF FITTING AND PRESSURE IN WATER MAIN. SEE APPLICABLE DETAIL.

SCALE: N.T.S.

4 DT-5

TYPICAL HYDRANT INSTALLATION

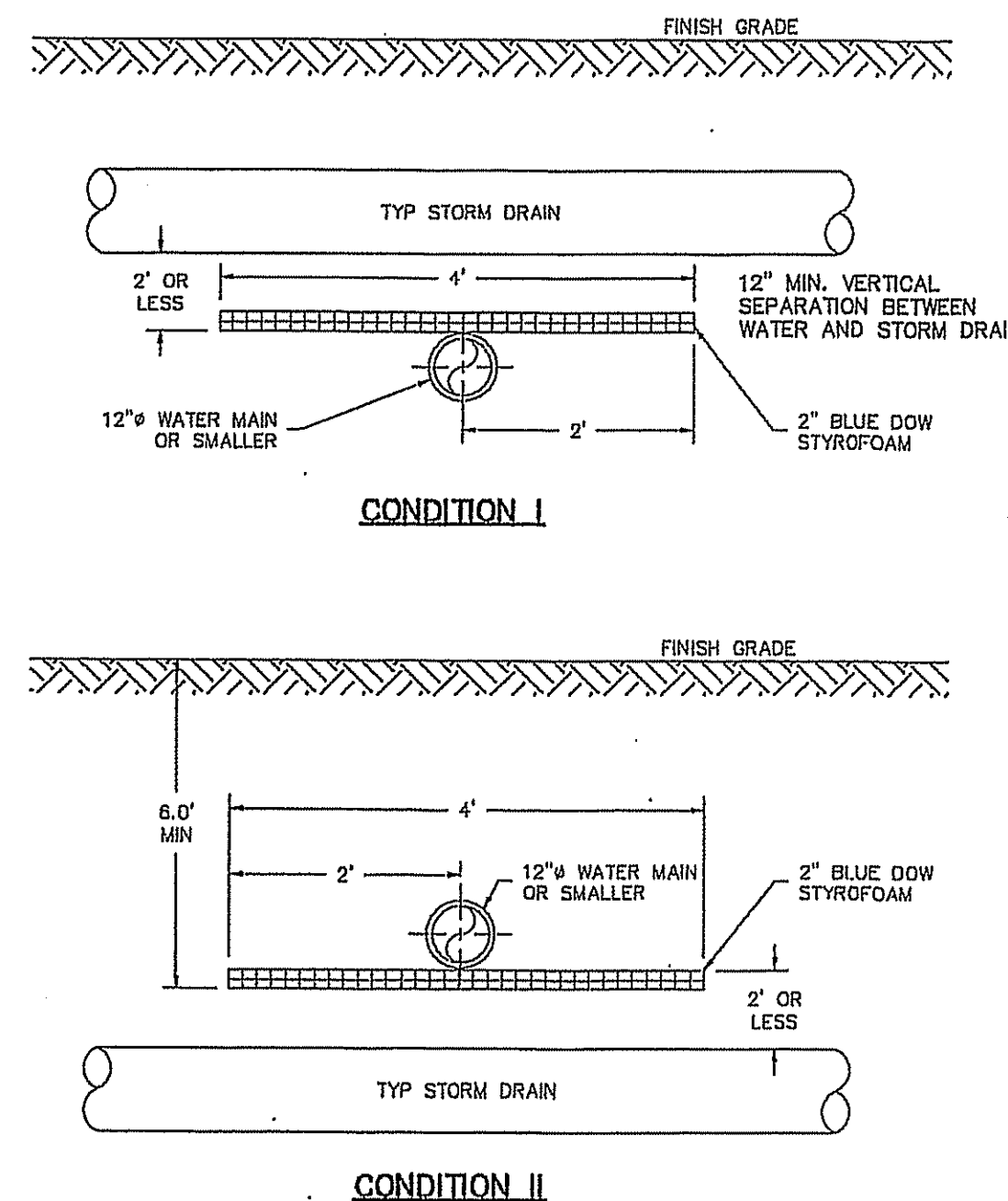


- NOTES:
1. ALL MATERIALS AND INSTALLATION PROCEDURES WILL CONFORM TO G.W.D. TECHNICAL SPECIFICATIONS.
 2. ALL PIPE SHOULD HAVE A MINIMUM DEPTH OF 5' FROM TOP OF PIPE TO FINISH GRADE.

SCALE: N.T.S.

5 DT-5

TYPICAL VALVE BOX

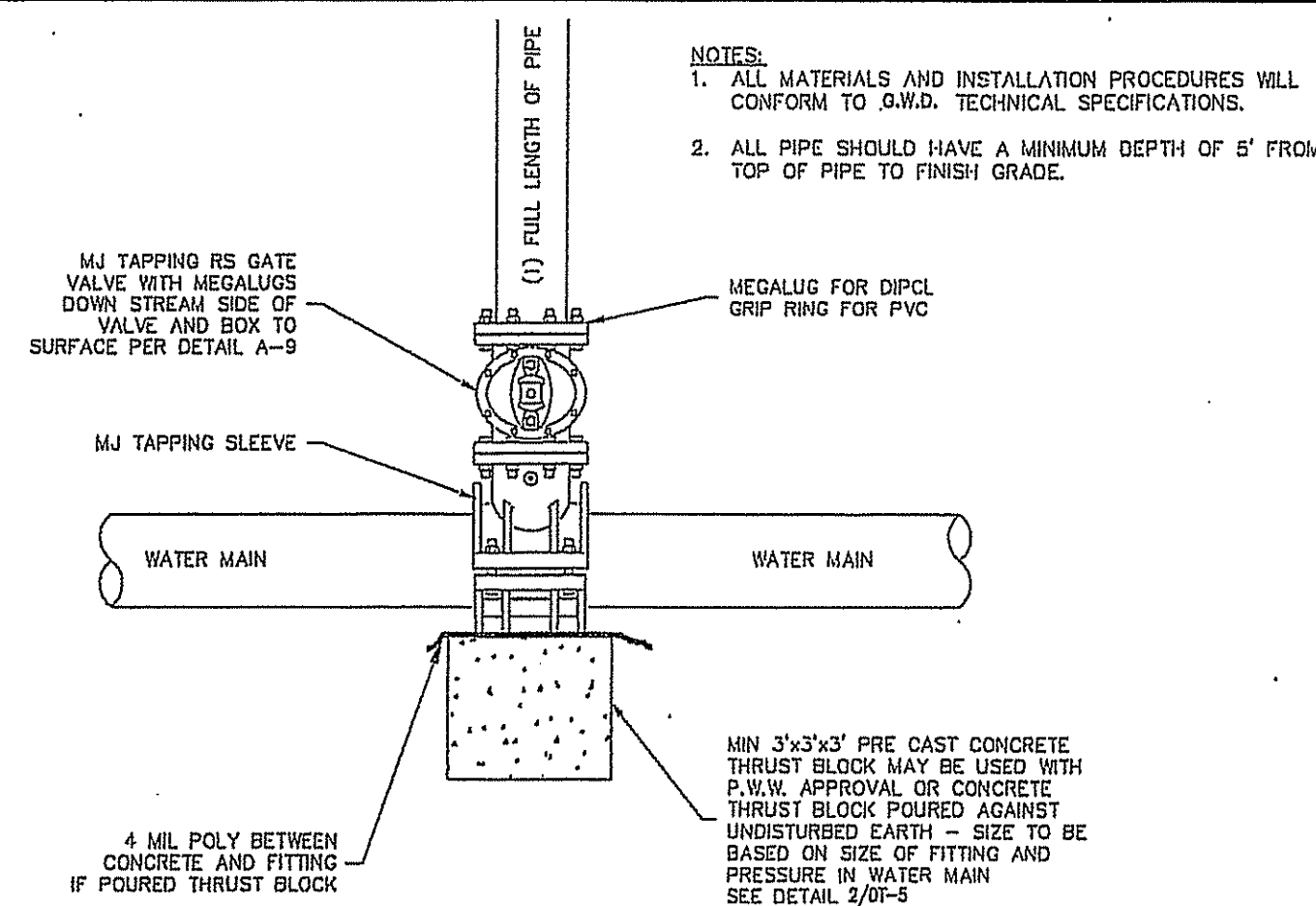


- NOTES:
1. GREENVILLE WATER DEPARTMENT RESERVES THE RIGHT TO MODIFY INSULATION REQUIREMENTS AS NECESSARY BASED ON FIELD CONDITIONS, ETC.
 2. THE LENGTH OR WIDTH OF INSULATION SHALL EXTEND 1 STORM DRAIN PIPE DIAMETER BEYOND THE EDGE OF STORM DRAIN PIPE IN EACH DIRECTION OR A MINIMUM OF 2' BEYOND THE CENTERLINE OF THE STORM DRAIN PIPE, WHICHEVER IS GREATER.
 3. ALL BUTT JOINT SEAMS TO BE OVERLAPPED WITH A 1' PIECE OF INSULATION CENTERED OVER SEAM.

SCALE: N.T.S.

6 DT-5

STORM DRAIN / WATER MAIN INTERSECTING RUNS



7 DT-5

TYPICAL LARGE SERVICE AND/OR TAPPING SLEEVE

1. REFERENCE GREENVILLE WATER DEPARTMENT (G.W.D.) SPECIFICATIONS FOR INSTALLATION OF ALL WATER LINES.
2. ALL SPRINKLER AND DOMESTIC LEADS TO BUILDING SHALL END 5 FEET OUTSIDE THE FACE OF THE BUILDING WALL, UNLESS NOTED, AND SHALL BE PROVIDED WITH A TEMPORARY PLUG AT THE END (FOR OTHERS TO REMOVE AND EXTEND THE LINE AS NECESSARY).
3. THRUST BLOCKS AND MEGALUG (DIP) OR GRIP RING (PVC) RESTRAINTS SHALL BE PROVIDED AT ALL HORIZONTAL BENDS, TEES, AND FIRE HYDRANTS. SEE DETAIL.
4. MINIMUM COVER ON ALL WATER LINES IS 5'-6" UNLESS OTHERWISE NOTED.
5. CONTRACTOR SHALL MAINTAIN A 5'-0" HORIZONTAL (UNLESS OTHERWISE NOTED) AND 12" VERTICAL SEPARATION BETWEEN WATER SERVICE AND UTILITIES OTHER THAN SANITARY SEWER WHICH IS 10'-0" HORIZONTAL AND 1'-6" VERTICAL.
6. INSPECTIONS ON WATER SERVICE INSTALLATION DURING CONSTRUCTION IS THE RESPONSIBILITY OF THE SITE CONTRACTOR AND SHALL BE COORDINATED WITH GREENVILLE WATER DEPARTMENT. ALL INSPECTION FEES SHALL BE PAID FOR BY THE CONTRACTOR.
7. CONTRACTOR SHALL HAVE BACTERIOLOGICAL AND PRESSURE TESTING PERFORMED. CONTRACTOR SHALL GIVE GREENVILLE WATER DEPARTMENT A COPY OF THE RESULTS. GREENVILLE WATER DEPARTMENT SHALL BE ON-SITE TO WITNESS TEST.
8. ALL PIPE, VALVES, MISCELLANEOUS MATERIALS AND INSTALLATION SHALL CONFORM TO GREENVILLE WATER DEPARTMENT SPECIFICATIONS AND REQUIREMENTS.
9. ALL FIRE HYDRANTS, VALVES, FITTINGS, PIPES, ETC. SHALL BE IN ACCORDANCE WITH GREENVILLE WATER DEPARTMENT SPECIFICATIONS. ALL VALVES SHALL OPEN LEFT.
10. METALLIC TAPE OR DETECTOR WIRE SHALL BE INSTALLED IN THE SAME TRENCH WITH ALL NONMETALLIC PIPE SUCH THAT THE PIPE MAY BE LOCATED WITH ELECTRONIC LOCATING EQUIPMENT. METALLIC TAPE OR DETECTOR WIRE SHALL BE INSTALLED APPROXIMATELY 12" TO 18" BELOW GRADE DIRECTLY ABOVE THE TOP OF THE PIPE. DETECTOR WIRE SHALL BE 14 GAUGE SOLID COPPER, SIMPLEX BW3001 OR EQUAL. METALLIC TAPE SHALL BE 2" MINIMUM METALLIZED TAPE, GRIFFOLYN COMPANY, INC., TERRATAPE OR EQUAL.
11. CONTRACTOR SHALL ENSURE ALL WATER VALVES ARE IN A FULLY OPEN POSITION UPON COMPLETION OF PROJECT.
12. CONTRACTOR SHALL OBTAIN ADVANCE WRITTEN APPROVAL FOR ALL WATER INTERRUPTIONS FROM THE GREENVILLE WATER DEPARTMENT AND NOTIFY ALL AFFECTED PROPERTY OWNERS 48 HOURS PRIOR TO THE WORK.
13. INSTALLATION OF BACKFLOW PREVENTION DEVICES AND WATER METERS (LOCATION AND STYLE) SHALL BE APPROVED BY THE GREENVILLE WATER DEPARTMENT.
14. PVC WATER MAIN PIPE SHALL CONFORM TO AWWA C900, DR18 SPECIFICATIONS AND BE APPROVED BY GREENVILLE WATER DEPARTMENT.

8 DT-5

WATER SYSTEM CONSTRUCTION NOTES

REV.	DATE	DESCRIPTION	C/O	DR	CK
G	4/30/20	REVISIONS PER CLIENT & IN HSE REVIEW			
F	04/05/18	ADD SHEET 15, MINOR SITE, UTILITY PLAN REVS	GWS	NRC	CEB
E	03/22/18	ADDRESS DOT REVIEW	DOT	NRC	CEB
D	03/21/18	ADDRESS UEI REVIEW	UEI	NRC	CEB
C	01/12/18	TRASH RACK	DES	NRC	CEB
B	12/07/17	ADDRESS AGT REVIEW	DES	NRC	CEB
A	09/19/17	MINOR NOTATIONS	DES	NRC	CEB
REV.	DATE	DESCRIPTION	C/O	DR	CK

WATER DETAILS

GREATER WASTE SOLUTIONS, LLC

TAX MAP 2, LOTS 17-1, 17-2 & 37-1
426 FITCHBURG ROAD, GREENVILLE, NH

LAND OF:
GMB LEASING, LLC
124 OLD WILTON ROAD, GREENVILLE, NH 03048

SCALE: AS NOTED

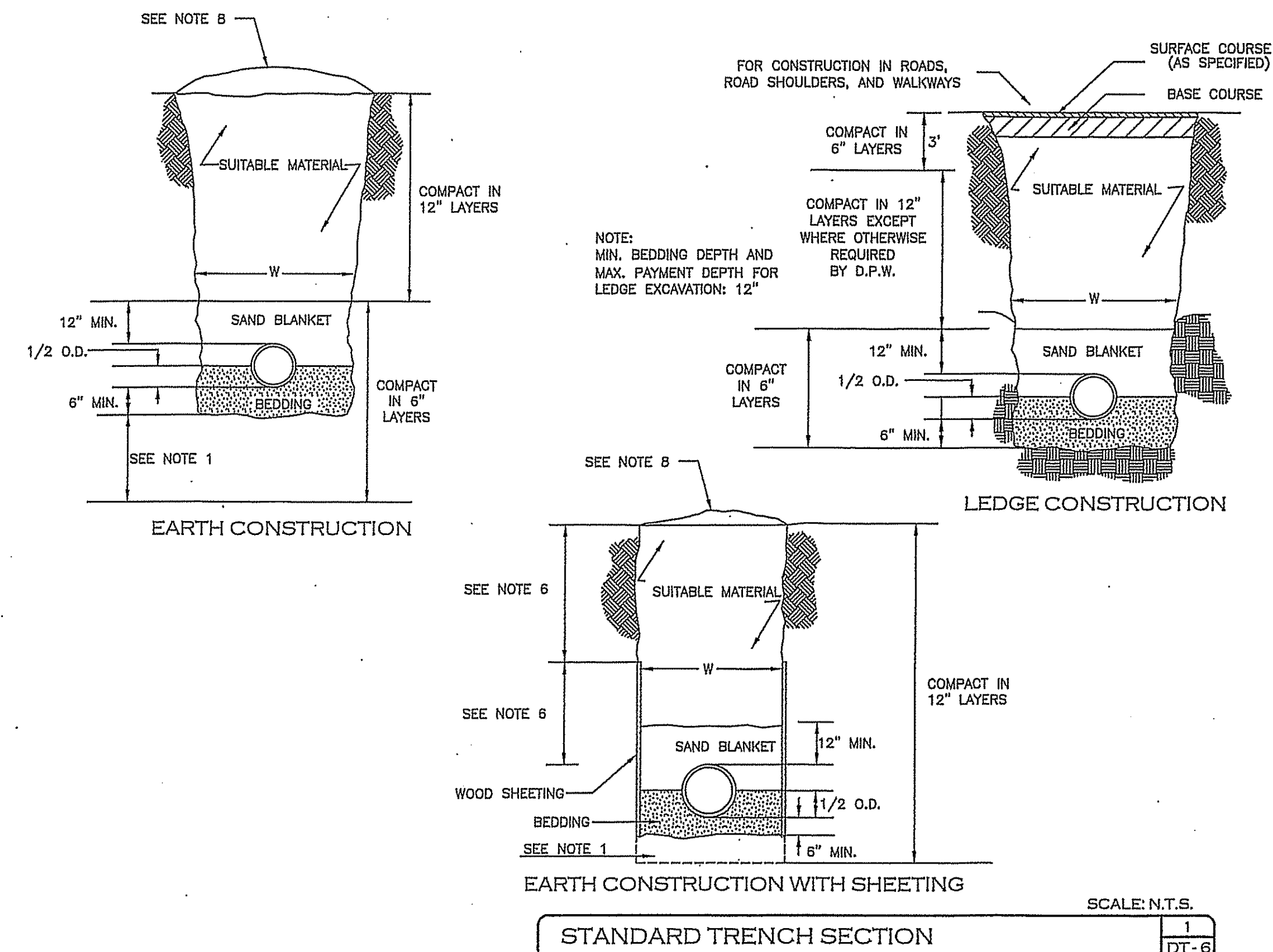
May 2, 2017

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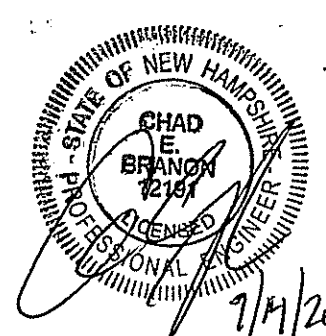
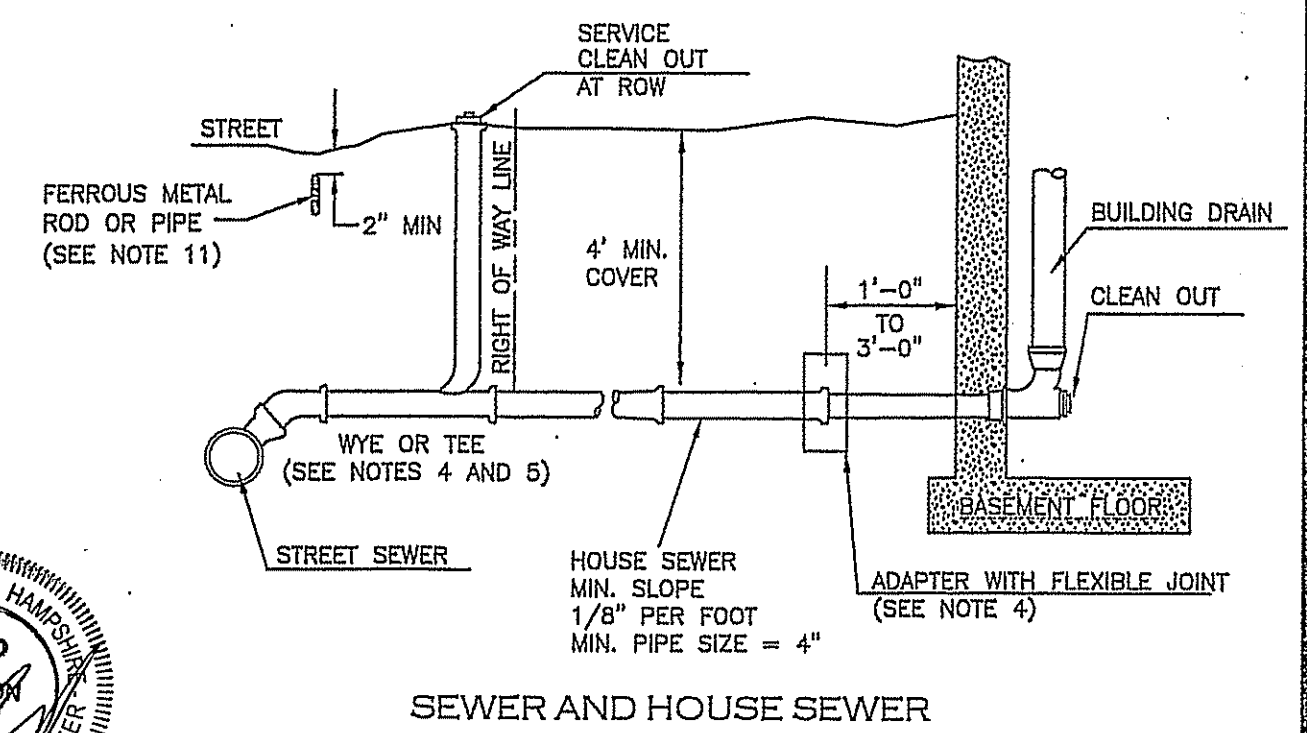
206 Elm Street, Milford, NH 03055
Phone: (603) 672-5456 Fax: (603) 413-5456
www.FieldstoneLandConsultants.com

FILE: 204DT026.dwg PROJ. NO. 204.02 SHEET: DT-5 PAGE 14



- NOTE:
- ORDERED EXCAVATION OF UNSUITABLE MATERIAL BELOW GRADE, REFILL WITH BEDDING MATERIAL. (SEE ALSO NOTE 7)
 - BEDDING SCREENED GRAVEL AND/OR CRUSHED STONE FREE FROM CLAY, LOAM, ORGANIC MATTER AND MEETING ASTM C33, STONE SIZE #57
100% PASSING 1 INCH SCREEN
80-100% PASSING 3/4 INCH SCREEN
20-50% PASSING 3/8 INCH SCREEN
0-10% PASSING #4 SIEVE
0-5% PASSING #8 SIEVE
 - SAND BLANKET CLEAN SAND, FREE FROM ORGANIC MATTER, SO GRADED THAT 80-100% PASSES A 1/2 INCH SIEVE AND NOT MORE THAN 10% WILL PASS A #20 SIEVE. BLANKET MAY BE OMITTED FOR DUCTILE IRON AND REINFORCED CONCRETE PIPE PROVIDED THAT NO STONE LARGER THAN 2\"
 - SUITABLE MATERIAL IN ROADS, ROAD SHOULDERS, WALKWAYS AND TRAVELED WAYS, SUITABLE MATERIAL FOR TRENCH BACKFILL SHALL BE NATURAL MATERIAL EXCAVATED DURING THE COURSE OF CONSTRUCTION, BUT SHALL EXCLUDE DEBRIS, PIECES OF PAVEMENT, ORGANIC MATTER, TOPSOIL, ALL WET OR SOFT MUCK, PEAT OR CLAY, ALL EXCAVATED LEDGE MATERIAL, AND ALL ROCKS OVER SIX INCHES. IN LARGEST DIMENSION OR ANY MATERIAL WHICH AS DETERMINED BY THE ENGINEER, WILL NOT PROVIDE SUFFICIENT SUPPORT OR MAINTAIN THE COMPLETED IN CROSS COUNTRY CONSTRUCTION, SUITABLE MATERIAL SHALL BE AS DESCRIBED ABOVE, EXCEPT THAT THE ENGINEER MAY PERMIT THE USE OF TOP SOIL, LOAM, MUCK OR PEAT. IF HE IS SATISFIED THAT THE COMPLETED CONSTRUCTION WILL BE ENTIRELY STABLE AND PROVIDED THAT EASY ACCESS TO THE SEWER FOR MAINTENANCE (AND POSSIBLY RECONSTRUCTION, WHEN NECESSARY) WILL BE PRESERVED.
 - BASE COURSE, IF ORDERED BY THE ENGINEER, SHALL MEET THE REQUIREMENTS OF DIVISION 308 OF THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION OF THE STATE OF N.H. DEPT. OF TRANSPORTATION.
 - WOOD SHEETING, IF REQUIRED, IS PLACED ALONGSIDE THE PIPE AND EXTENDS BELOW MID-DIAMETER. IT SHALL BE CUT OFF AND LEFT IN PLACE TO AN ELEVATION NOT LESS THAN 1 FOOT ABOVE THE TOP OF THE PIPE. WHERE THE SHEETING IS ORDERED BY THE ENGINEER TO BE LEFT IN PLACE, IT SHALL BE CUT OFF AT LEAST 3 FEET BELOW FINISH GRADE, BUT NOT LESS THAN 1 FOOT ABOVE THE TOP OF THE PIPE.
 - W = MAXIMUM ALLOWABLE TRENCH WIDTH TO A PLANE 12 INCHES ABOVE THE PIPE. FOR PIPES 15 INCHES NOMINAL DIAMETER OR LESS, W SHALL BE NO MORE THAN 36 INCHES. FOR PIPES GREATER THAN 15 INCHES NOMINAL DIAMETER, W SHALL BE 24 INCHES PLUS PIPE O.D.. W SHALL ALSO BE THE PAYMENT WIDTH FOR LEDGE EXCAVATION AND FOR ORDERED EXCAVATION BELOW GRADE.
 - FOR CROSS COUNTRY CONSTRUCTION, BACKFILL OR FILL SHALL BE MOUND TO A HEIGHT OF 8 INCHES ABOVE THE ORIGINAL GROUND SURFACE.
 - CONCRETE FOR ENCASEMENT SHALL CONFORM TO THE REQUIREMENTS FOR CLASS A (2000) CONCRETE OF THE N.H. DEPT. OF TRANSPORTATION STANDARD SPECIFICATIONS AS FOLLOWS:
CEMENT: 8.0 BAGS PER CUBIC YARD
WATER: 6.75 GALLONS PER BAG OF CEMENT
MAXIMUM AGGREGATE SIZE: 1 INCH

- NOTE:
- MINIMUM SIZE PIPE FOR HOUSE SERVICE SHALL BE 4 INCHES.
 - PIPE AND JOINT MATERIALS
A. PLASTIC SEWER PIPE
1. PIPE AND FITTINGS SHALL CONFORM TO THE FOLLOWING ASTM STANDARDS:
ASTM SIZES
STANDARDS MATERIAL APPROVED
D3034 PVC (SOLID WALL) 8\"
 - JOINTS SHALL BE OIL RESISTANT COMPRESSION RINGS OF ELASTOMERIC MATERIAL CONFORMING TO ASTM D-3212 AND SHALL BE PUSH-ON, BELL AND SPIGOT TYPE.
ABS TRUSS PIPE AND FITTINGS SHALL CONFORM TO ASTM D-2689, POLYMER COMPOUNDING SHALL BE TO ASTM D-1789 (CLASS 322).
JOINTS FOR ABS TRUSS PIPE SHALL BE CHEMICAL WELDED COUPLINGS TYPE SC IN ACCORDANCE WITH ASTM D-2689, FORMING A CHEMICAL WELDED JOINT.
 - DUCTILE-IRON PIPE, FITTINGS AND JOINTS
1. DUCTILE IRON PIPE AND FITTINGS SHALL CONFORM TO THE FOLLOWING STANDARDS OF THE UNITED STATES OF AMERICA STANDARDS INSTITUTE:
ASTM A21.50 THICKNESS DESIGN OF DUCTILE IRON PIPE AND WITH ASTM A-538 DUCTILE IRON CASTINGS.
ASTM A21.51 DUCTILE IRON PIPE, CENTRIFUGALLY CAST IN METAL MOLDS OR SAND-LINED MOLDS FOR WATER OR OTHER LIQUIDS.
2. JOINTS SHALL BE OF THE MECHANICAL OR PUSH-ON TYPE. JOINTS AND GASKETS SHALL CONFORM TO:
ASTM A21.11 RUBBER GASKETS JOINTS FOR CAST IRON PRESSURE PIPE AND FITTINGS.
 - DAMAGED PIPE SHALL BE REJECTED AND REMOVED FROM THE JOB SITE.
 - JOINTS SHALL BE DEPENDENT UPON A NEOPRENE OR ELASTOMERIC GASKET FOR WATER TIGHTNESS. ALL JOINTS SHALL BE PROPERLY MATCHED WITH THE PIPE MATERIALS USED. WHERE DIFFERING MATERIALS ARE TO BE CONNECTED, AS AT THE STREET SEWER \"T\" OR AT THE FOUNDATION WALL, APPROPRIATE ADAPTERS SHALL BE USED.
 - \"T\" AND \"Y\" WHERE A \"T\" OR \"Y\" IS NOT AVAILABLE IN THE EXISTING STREET SEWER, AN \"HUB AND TEES\" CONNECTION SHALL BE MADE IN THE SEWER, FOLLOWING MANUFACTURERS INSTRUCTIONS. THE \"HUB AND TEES\" OR \"HUB AND WYE\" SHALL BE TAPPED INTO A SMOOTHLY DRILLED OR CORED OPENING PER THE MANUFACTURERS SPECIFICATIONS. ANY ALTERNATE METHOD OF TAPPING INTO EXISTING MAIN WILL NOT BE PERMITTED.
 - HOUSE SEWER INSTALLATION THE PIPE SHALL BE HANDLED, PLACED AND JOINTED IN ACCORDANCE WITH INSTALLATION GUIDES OF THE APPROPRIATE MANUFACTURER. IT SHALL BE CAREFULLY BEDDED ON A 4 INCH LAYER OF CRUSHED STONE AND/OR GRAVEL, AS SPECIFIED IN NOTE 10. BEDDING AND RE-FILL FOR A DEPTH OF 12 INCHES ABOVE THE TOP OF THE PIPE SHALL BE CAREFULLY AND THOROUGHLY TAMPED BY HAND OR WITH APPROPRIATE MECHANICAL DEVICES. THE PIPE SHALL BE LAID AT A CONTINUOUS AND CONSTANT GRADE FROM THE STREET SEWER CONNECTION TO THE HOUSE FOUNDATION AT A GRADE OF NOT LESS THAN 1/4 INCH PER FOOT. PIPE JOINTS MUST BE MADE UNDER DRY CONDITIONS. IF WATER IS PRESENT, ALL NECESSARY STEPS SHALL BE TAKEN TO DRY THE TRENCH.
 - TESTING THE COMPLETED HOUSE SEWER SHALL BE SUBJECTED TO A LEAKAGE TEST IN ANY OF THE FOLLOWING MANNERS (PRIOR TO BACKFILLING):
A. AN OBSERVATION \"T\" SHALL BE INSTALLED AS SHOWN. WHEN READY TESTING, AN INFLATABLE BLADDER OR PLUG SHALL BE INSERTED JUST UPSTREAM FROM THE OPENING IN THE \"T\". AFTER INFLATION, WATER SHALL BE INTRODUCED INTO THE SYSTEM ABOVE THE PLUG TO A HEIGHT OF 5 FEET ABOVE THE LEVEL OF THE PLUG.
B. THE PIPE SHALL BE LEFT EXPOSED AND LIBERALLY HOSED WITH WATER TO SIMULATE AS NEARLY AS POSSIBLE, WET TRENCH CONDITIONS. IF THE TRENCH IS WET, THE GROUND WATER SHALL BE PERMITTED TO RISE IN THE TRENCH OVER THE PIPE. INSPECTIONS FOR LEAKS SHALL BE MADE THROUGH THE CLEANOUT WITH A FLASHLIGHT.
C. DRY FLUORESCENT DYE SHALL BE SPRINKLED INTO THE TRENCH OVER THE PIPE. IF THE TRENCH IS DRY, THE PIPE SHALL BE LIBERALLY HOSED WITH WATER. IF THE TRENCH IS WET, GROUND WATER SHALL BE PERMITTED TO RISE IN THE TRENCH OVER THE PIPE. OBSERVATION FOR LEAKS SHALL BE MADE IN THE FIRST MANHOLE DOWNSTREAM. LEAKAGE OBSERVED IN ANY OF THE ABOVE ALTERNATE TESTS SHALL BE CAUSE FOR NON-ACCEPTANCE AND THE PIPE SHALL BE DUG UP, IF NECESSARY, AND RELAID SO AS TO ASSURE WATER TIGHTNESS.
 - ILLEGAL CONNECTIONS NOTHING BUT SANITARY WASTE FLOW FROM THE HOUSE TOILETS, SINKS, LAUNDRY, ETC. SHALL BE PERMITTED. ROOF LEADERS, FOOTING DRAINS, SUMP PUMPS OR ANY OTHER SIMILAR CONNECTION CARRYING RAIN WATER, DRAINAGE OR GROUND WATER SHALL NOT BE PERMITTED.
 - HOUSE WATER SERVICE SHALL NOT BE LAID IN THE SAME TRENCH AS THE SEWER SERVICE.
 - BEDDING: SCREENED GRAVEL AND/OR CRUSHED STONE FREE FROM CLAY, LOAM, ORGANIC MATERIAL AND MEETING ASTM C33-87.
100% PASSING 1 INCH SCREEN
80-100% PASSING 3/4 INCH SCREEN
20-55% PASSING 3/8 INCH SCREEN
0-10% PASSING #4 SIEVE
0-5% PASSING #8 SIEVE
WHERE ORDERED BY THE ENGINEER TO STABILIZE THE TRENCH BASE, SCREENED GRAVEL OR CRUSHED STONE (1-1/2 TO 1/2 INCH) SHALL BE USED.
 - LOCATION: THE LOCATION OF THE \"T\" OR \"Y\" SHALL BE RECORDED AND FILED IN THE MUNICIPAL RECORDS. IN ADDITION, A FERROUS METAL ROD OR PIPE SHALL BE PLACED OVER THE \"T\" OR \"Y\", TO AID IN LOCATING THE BURIED PIPE WITH A DIP NEEDLE OR PIPE FINDER.



REV.	DATE	DESCRIPTION	C/O	DR	CK
G	4/30/20	REVISIONS PER CLIENT & IN HSE REVIEW		CEB	CEB
F	04/06/18	ADD SHEET 15, MINOR SITE, UTILITY PLAN REVS	GWS	NRC	CEB
E	03/22/18	ADDRESS DOT REVIEW	DOT	NRC	CEB
D	03/21/18	ADDRESS UEI REVIEW	UEI	NRC	CEB
C	01/12/18	TRASH RACK	DES	NRC	CEB
B	12/07/17	ADDRESS AOT REVIEW	DES	NRC	CEB
A	09/19/17	MINOR NOTATIONS	DES	NRC	CEB
REV.					

SEWER DETAILS

GREATER WASTE SOLUTIONS, LLC

TAX MAP 2, LOTS 17-1, 17-2 & 37-1
426 FITCHBURG ROAD, GREENVILLE, NH

LAND OF:
GMB LEASING, LLC
124 OLD WILTON ROAD, GREENVILLE, NH 03048

SCALE: AS NOTED MAY 2, 2017

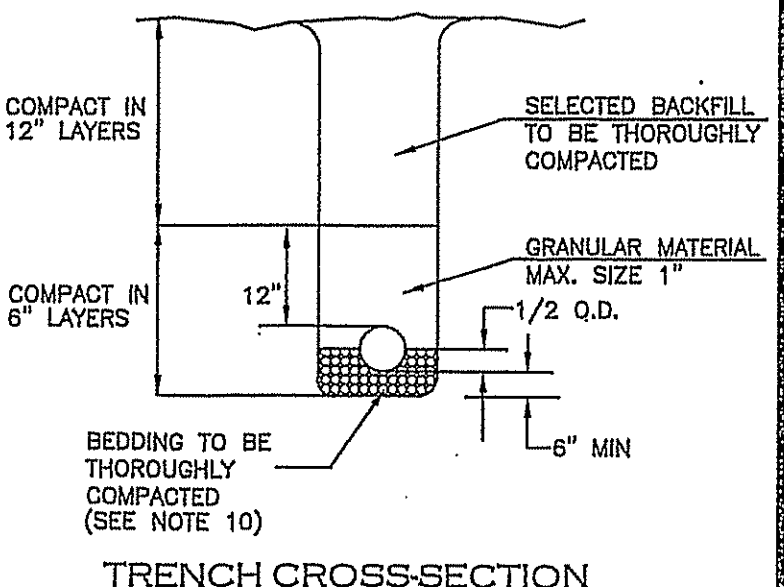
Surveying ♦ Engineering ♦ Land Planning ♦ Permitting ♦ Septic Designs

FIELDSTONE
LAND CONSULTANTS, PLLC

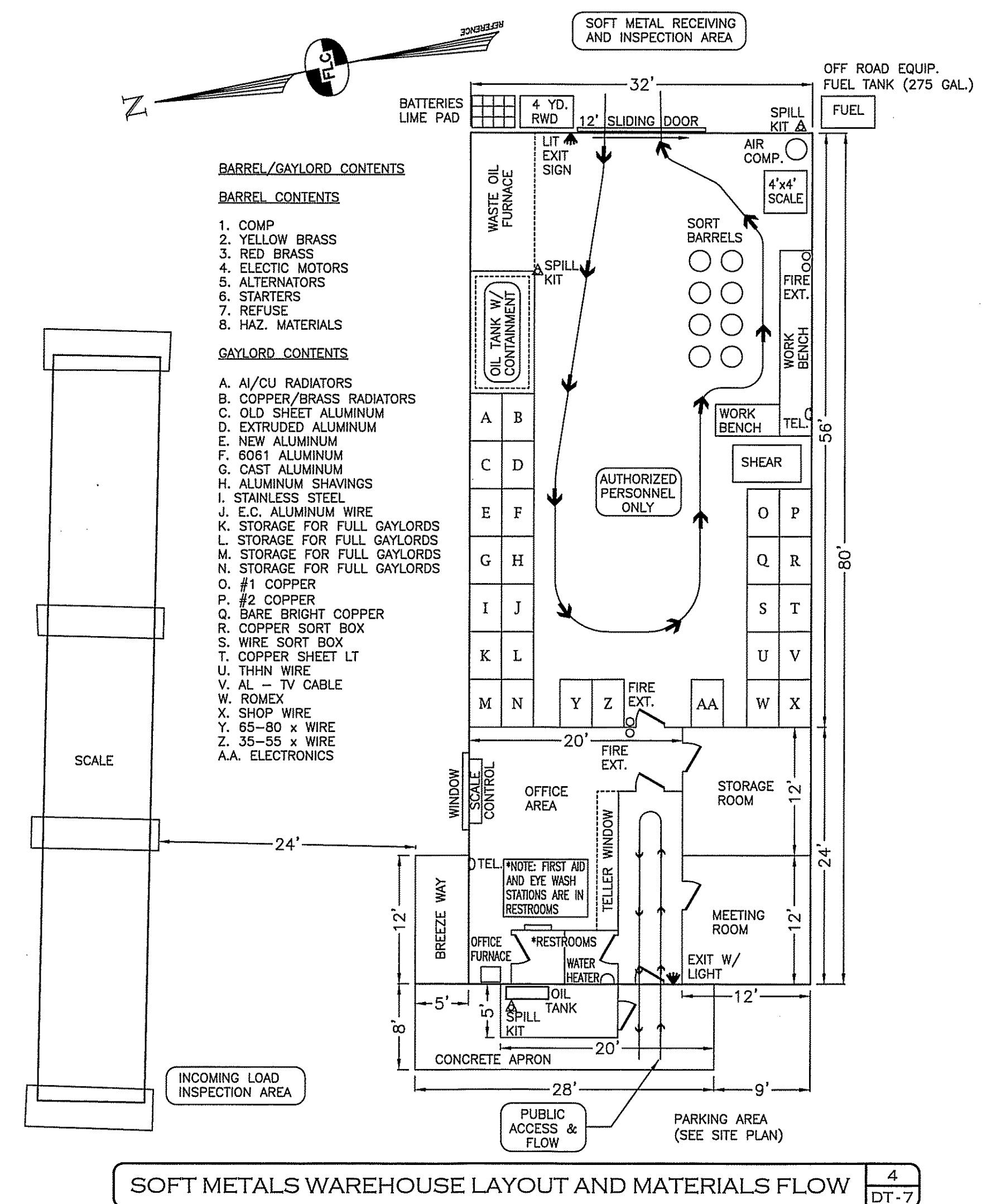
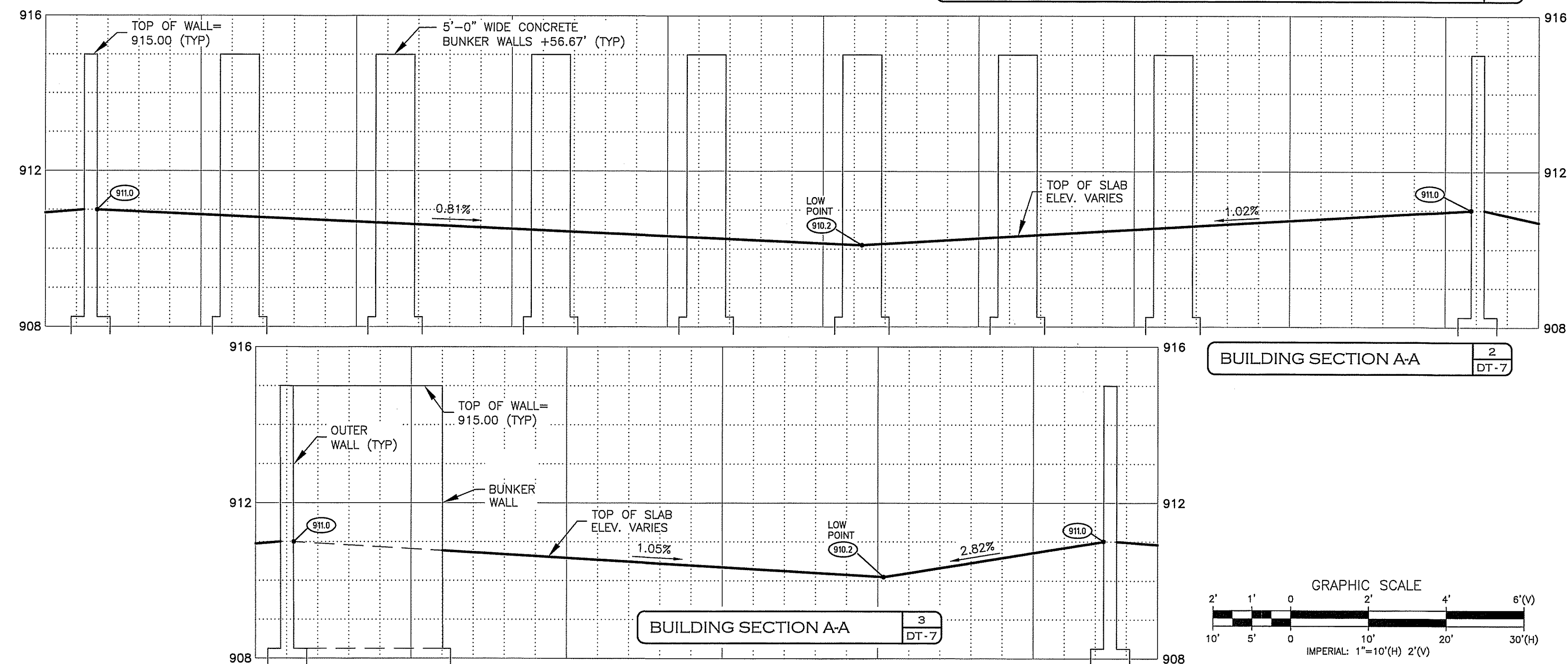
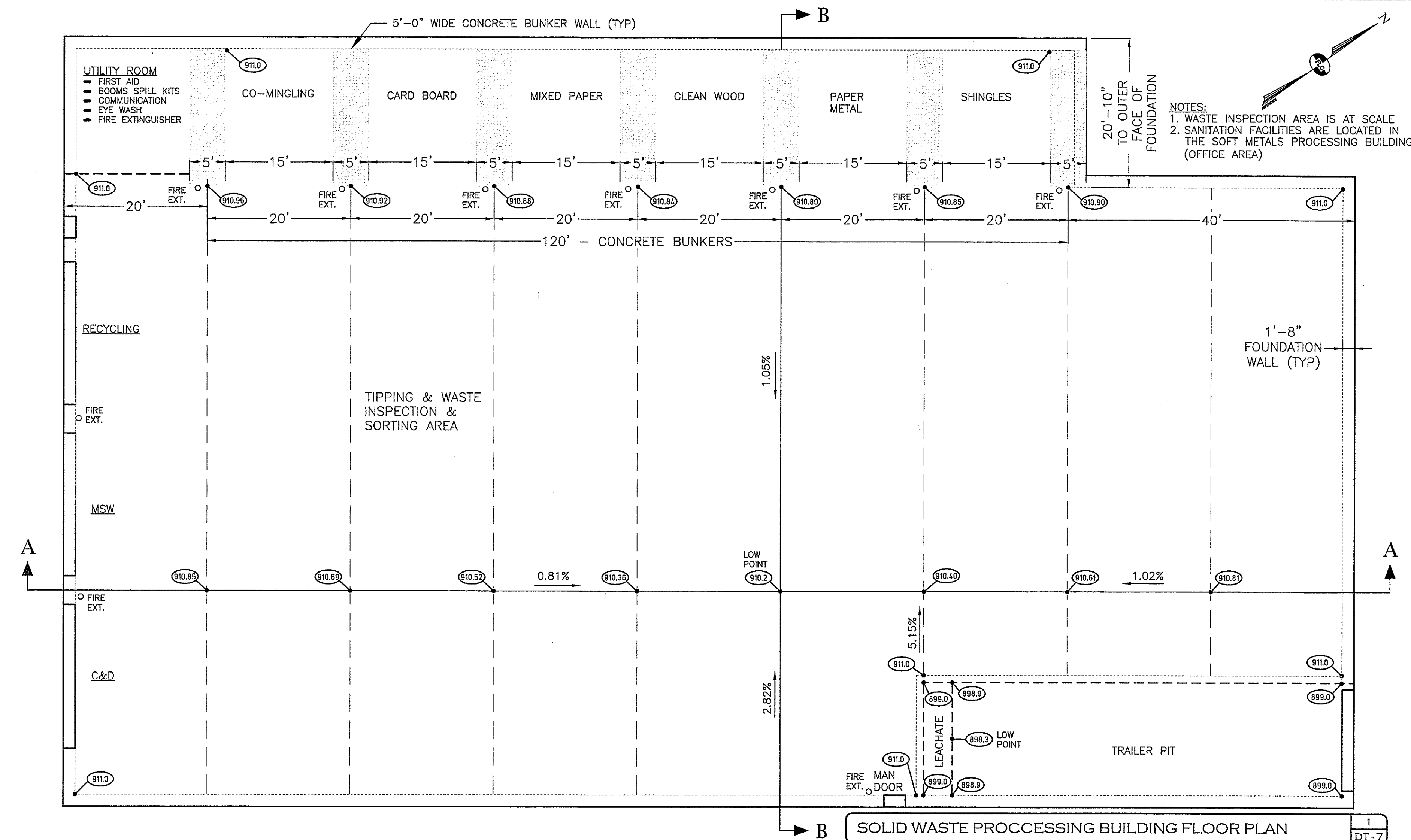
206 Elm Street, Milford, NH 03055
Phone: (603) 672-5456 Fax: (603) 413-5456
www.FieldstoneLandConsultants.com

FILE: 204DT026.dwg PROJ. NO. 204.02 SHEET: DT-6 PAGE 15

SERVICE CONNECTION DETAILS



SCALE: N.T.S.



J	5/11/22	REVISIONS PER NHDES & IN HSE REVIEW			CEB	CEB
G	4/30/20	REVISIONS PER CLIENT & IN HSE REVIEW			CEB	CEB
REV.	DATE	DESCRIPTION	C/O	DR	CK	

INTERIOR FLOOR PLANS & BUILDING SECTIONS

*GREATER WASTE
SOLUTIONS, LLC*

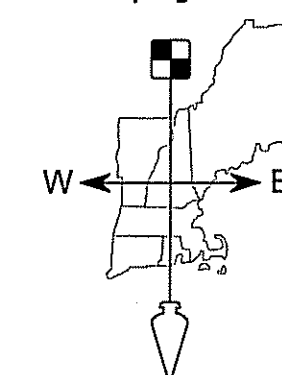
**TAX MAP 2, LOTS 17-1, 17-2 & 37-1
426 FITCHBURG ROAD, GREENVILLE, NH**

LAND OF:
GMB LEASING, LLC
124 OLD WILTON ROAD, GREENVILLE, NH 03048

SCALE: 1" = 10' HORZ., 2' VERT.

APRIL 5, 2018

Surveying ♦ Engineering ♦ Land Planning ♦ Permitting ♦ Septic Designs



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LAND CONSULTANTS, PLLC

206 Elm Street, Milford, NH 03055
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