

Describe proposed activity/use: WMNH is proposing to increase the leachate treatment capacity of the existing Leachate Treatment Plant that supports operations at the TREE facility by adding additional UF and de-nitrification equipment.

Describe existing conditions/use (vacant land?): The lot is 63.15 acres with a variety of buildings and site features supporting operations at the TREE facility.

Utility information

City water? yes ___ no X; How far is City water from the site? Private main being relocated.

City sewer? yes ___ no X; How far is City sewer from the site? _____

If City water, what are the estimated total daily needs? No change gallons per day

If City water, is it proposed for anything other than domestic purposes? yes ___ no X

If City sewer, do you plan to discharge anything other than domestic waste? yes ___ no X

Where will stormwater be discharged? Stormwater discharge will remain the same as the existing conditions.

Building information

Type of building(s): Two additions to the existing pre-engineered metal frame, roofed and sided building will be constructed of the same materials.

Building height: 35' (Existing) Finished floor elevation: 188.5 (Existing)

Other information

parking spaces: existing: 3 total proposed: 0; Are there pertinent covenants? no

Number of cubic yards of earth being removed from the site 0

Number of existing employees: 0 (no change); number of proposed employees total: 0 (no change)

Check any that are proposed: variance ___; special exception ___; conditional use ___

Wetlands: Is any fill proposed? No; area to be filled: N/A; buffer impact? N/A

Proposed <u>post-development</u> disposition of site (should total 100%)		
	Square footage	% overall site
Building footprint(s) – give for each building	88,495 (see Table)	3.2
Parking and vehicle circulation	443,876	16.1
Planted/landscaped areas (excluding drainage)	836,039	30.4
Natural/undisturbed areas (excluding wetlands)	628,429	22.8
Wetlands	449,806	16.4
Other – drainage structures, outside storage, etc.	304,169	11.1

Comments

Please feel free to add any comments, additional information, or requests for waivers here:

Submission of application

This application must be signed by the property owner, applicant/developer (if different from property owner), and/or the agent.

I (we) hereby submit this Site Plan application to the City of Rochester Planning Board pursuant to the City of Rochester Site Plan Regulations and attest that to the best of my knowledge all of the information on this application form and in the accompanying application materials and documentation is true and accurate. As applicant/developer (if different from property owner)/as agent, I attest that I am duly authorized to act in this capacity.

Signature of property owner: Ann Reinhart
Date: 9/26/23

Signature of applicant/developer: _____
Date: _____

Signature of agent: Eric S. Steinhauser
Digitally signed by Eric S. Steinhauser
Date: 2023.09.26 08:57:19 -0400
Date: 26 September 2023

Authorization to enter subject property

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

Signature of property owner: Ann Reinhart
Date: 9/26/23

1.0 INTRODUCTION

Waste Management of New Hampshire, Inc. (WMNH) is proposing to increase the treatment capacity of the existing Leachate Treatment Plant (LTP) that supports operations at the Turnkey Recycling & Environmental Enterprise (TREE) facility at 38 Turnkey Way by adding additional ultra-filtration (UF) and de-nitrification equipment. The LTP is an integral part of the TREE facility and is situated on the approximately 63-acre parcel designated by the City of Rochester Tax Maps as Map 267, Lot 3. The current site conditions are shown on the Overall Site and Zoning Plan provided as Sheet 2 of the Drawings and the Existing Conditions Plan provided as Sheet 3. Reduced drawings are included in this application.

The proposed site development will add impervious area and includes expanding the existing paved area, and construction of building additions to house the additional UF equipment.

2.0 PROJECT CONDITIONS

2.1 Existing Conditions

The existing facility includes five (5) Above Ground Storage Tanks (ASTs) and three (3) supporting buildings. These features are located within a secondary containment liner system.

The existing ground surface elevations range from about 180 to 200 feet. Based on monitoring well observations and historical subsurface borings, bedrock at the site is between elevation 100 feet and 120 feet and groundwater is at about elevation 130 feet.

The facility is permitted with the City of Rochester and the New Hampshire Department of Environmental Services (NHDES) to pretreat and discharge landfill wastewater from the TREE facility. WMNH is proposing this project to allow the facility to expand the treatment capabilities and capacity of the existing LTP.

Permitting of the treatment technology and discharge capacity will be completed separately with the City of Rochester Department of Public Works and the NHDES as part of revising the facilities Industrial Discharge Permit.

2.2 Proposed Conditions

The proposed LTP expansion involves constructing two (2) additions to the existing pre-engineered metal UF building. The additions will be similar in style and color to other buildings at the TREE facility. The proposed development also will include:

- Constructing two (2) glass-lined, steel ASTs along with associated secondary containment liner system and piping.
- Constructing a bulk 10,000-gallon methanol storage tank.
- Constructing a bulk 5,000-gallon ferric chloride storage tank.
- Removing approximately 2,370 square feet of existing pavement.
- Constructing approximately 7,000 square feet of new paved area.
- Constructing an engineered retaining wall.
- Relocating the existing private water line and fire hydrant to allow for construction of the engineered retaining wall.

The proposed building additions include: (i) a 36-foot by 61-foot addition on the western side of the existing UF building; and (ii) a 20-foot by 50-foot addition on the eastern side of the building. The additions will total an additional 3,196 square feet to house additional UF equipment.

To achieve the desired grades and limit the area of disturbance, engineered retaining walls will be constructed to the south and east of the UF Building. The engineered retaining walls are to be designed by a licensed Structural Engineer in the State of New Hampshire prior to construction.

Potable water for sanitary services is supplied to the building by an existing private water main from WMNH-owned facilities west of the LTP. A portion of the existing water main will be relocated to allow for construction of the engineered retaining wall east of the UF Building. As part of the water main relocation, the existing fire hydrant will be relocated closer to the UF building and an additional fire hydrant is proposed to be installed within the tank containment.

The LTP is secured by a gate at the entrance. The proposed redevelopment is illustrated in the Drawings.

3.0 100-YEAR FLOODPLAIN

The project is not proposed to be constructed within the 100-year floodplain. The 100-year floodplain is shown on Sheet 2 of the Drawings.

4.0 DRAINAGE ANALYSIS

4.1 Existing Conditions

Currently, stormwater within the secondary containment area is detained within the secondary containment area with a closed operator valve. If clean, stormwater can be released to a series of swales and culverts that discharge to an existing low area across Turnkey Way after the storm event once flows have subsided. Stormwater north of the secondary containment area flows south through a series of swales and culverts to an existing 24-inch diameter culvert underneath Turnkey Way and ultimately to Pond 1. Stormwater east of the secondary containment area flows southeast through a series of swales, culverts, and drainage structures to Pond 1.

4.2 Post-Development

The proposed development does not materially change the general drainage patterns. The secondary containment area is larger and therefore, more stormwater is detained during a storm event.

The proposed development is not anticipated to increase the stormwater runoff from the site from the pre-development to post-development.

5.0 STORMWATER MANAGEMENT AND EROSION CONTROL MEASURES

This section discusses potential downstream impacts and summarizes erosion control measures to be implemented during construction and site restoration.

5.1 Construction Stormwater Management and Erosion and Sediment Control

During construction the primary concern will be sediment leaving the site. The disturbed area flows to one of two places, either to the existing 24-inch diameter culvert, or into the secondary containment area. Stormwater in the secondary containment area is already detained and requires no further controls. However, the existing 24-inch diameter culvert will need to be protected from sediment as shown on the Drawings.

P:\5700s\5793.00\Source Files\Site Plan App\App C - Narrative\20230926 Narrative.docx

Site Plan Checklist (residential and nonresidential)

**To be filled out by applicant/agent (with notes to be inserted by staff)*

See regulations for other specific requirements
City of Rochester Planning & Development Department

Project Name: Leachate Treatment Plant Expansion - Stage III Map: 267 Lot: 3 Date: September 26, 2023

Applicant/agent: Sanborn, Head & Associates, Inc. Signature: Eric S. Steinhauser Digitally signed by Eric S. Steinhauser
Date: 2023.09.26 08:56:00 -0400

(Staff review by: _____ Date: _____)

General items

	Yes	No	N/A	Waiver Requested	Comments
<u>4</u> sets completed application	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
Total application fee	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>\$533.72</u>
<u>4</u> copies of narrative	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
<u>3</u> sets of full-size plans	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
<u>2</u> sets of 11 X 17 reductions	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
Completed abutters list	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
Copy of existing covenants, easements, deed restrictions	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____

Plan Information

Basic information including:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
• Title sheet					
• Name of Project					
• Date					
• North arrow					
• Scale					
• Legend					
• Revision block					
• Vicinity sketch -not less than 1" = 1,000'					
Name and address of developer/applicant	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
Name, stamp, and NH license # of land survey, engineer, and/or architect	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
City tax map & lot #'s	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
Notation on plans: "For more information about this site plan contact...."	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____

General items Continued

	Yes	No	N/A	Waiver Requested	Comments
Approval block (for signature by staff attesting to Planning Board approval)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
References to neighboring plans and subdivisions	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Surveyed property lines including: <ul style="list-style-type: none"> • existing and proposed bearings • existing and proposed distances • pins, stakes, bounds • monuments • benchmarks 	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Lot surveyed in 2022 as part of lot line application _____
Include error of closure statement	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Information on abutting properties: <ul style="list-style-type: none"> • owner name • owner address • tax map and lot # • square footage of lots • approximate building footprints • use 	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____

Zoning

Zoning designations of subject tract and in vicinity of tract	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
Zoning requirements for district: <ul style="list-style-type: none"> • frontage • lot dimensions/density • all setbacks • lot coverage 	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
Zoning overlay districts	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____

Existing Topographic Features:

Contour lines a (not to exceed two-foot intervals, except on steep slopes) and spot elevations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
Soil types and boundaries	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Web Soil Survey can be provided upon request. _____
Soil test pit locations, profiles, and Depth to water table and ledge	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Refer to Narrative for water Table and Ledge Elevations _____
Percolation test locations and results	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	No subsurface disposal _____

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Existing Topographic Features Continued:

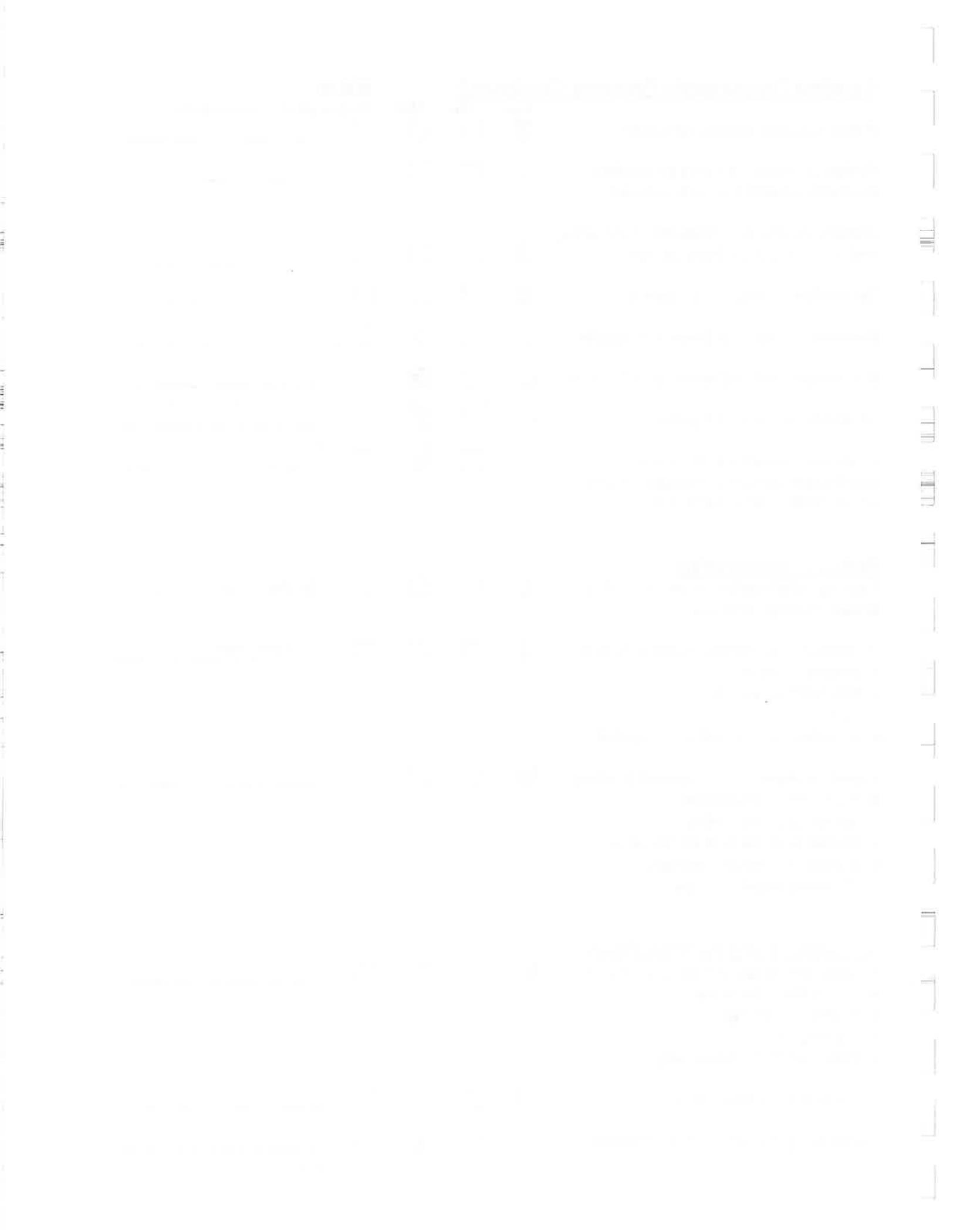
	Yes	No	N/A	Waiver Requested	Comments
Water features (ponds, streams)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
Wetlands including name of certified Wetlands scientist who delineated	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
Statement whether located in flood area, And if so, 100 year flood elevation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
Delineation of trees and open areas	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
Overview of types of trees and vegetation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Stone walls and archaeological features	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Locations of trails and paths	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Other natural/cultural resources (productive farmland, habitats, scenic views, historic structures, etc)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____

Building Information

Existing buildings/structures including square footage and use	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	See attached table _____
Proposed building/structures including <ul style="list-style-type: none"> • square footage • first floor elevation • use • # bedrooms per unit if residential 	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	See attached table _____
Elevation drawing of proposed buildings and structures as follows: <ul style="list-style-type: none"> • Showing all four sides • Drawn to scale with dimensions • Showing exterior materials • Showing exterior colors 	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____

Circulation and Parking Plans

Existing and proposed driveways and access points including: <ul style="list-style-type: none"> • Width of opening • Turning radii • Cross section of driveway 	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
Curbing & edge treatment	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Traffic control devices, if appropriate:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____



Circulation and Parking Plans Continued:

	Yes	No	N/A	Waiver Requested	Comments
Number of parking spaces • required by ordinance • proposed	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Parking layout and dimensions of spaces	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
Handicap spaces	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Loading area	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Pedestrian circulation plan (including existing sidewalks in vicinity, if any)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Bicycle rack, if appropriate	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Buffers, landscaping & screening	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Snow storage areas/plan	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____

Utilities

Show all pertinent existing and proposed profiles, elevations, materials, sizes, and details

Water lines/well (with protective radius)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
Sewer lines/septic and leaching areas	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Pump stations	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Stormwater management system: pipes, culverts,, catch basins detention/ retention basins, swales, rip rap, etc.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
Fire hydrant location(s) and details	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Fire hydrant locations are shown. _____
Electric, telephone, cable TV (underground or overhead)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
Gas lines	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Fire alarm connections	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Treatment of solid waste (dumpsters?)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Handing of oil, grease, chemicals hazardous materials/waste	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____

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Landscaping Plan

	Yes	No	N/A	Waiver Requested	Comments
Demarcation of limits of construction, clear delineation of vegetation to be saved, and strategy for protecting vegetation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
Proposed ground cover, shrubbery, and trees including: <ul style="list-style-type: none"> • botanical and common names • locations and spacing • total number of each species • size at installation 	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Planting plan (size of holes, depth of planting, soil amendments, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Irrigation: system? soaker hose? Manual? underground, etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Protection of landscaping from vehicles (Curb stops, berm, railroad ties, etc)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Specification all finished ground surfaces and edges (greenspace, mulch, asphalt, concrete, etc.)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
Fencing/screening	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Screening exists _____
<u>Signage</u>					
Location and type of signs: <ul style="list-style-type: none"> • Attached to building • Freestanding • Directional, if appropriate 	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	No signage proposed _____
Dimensions of signs: <ul style="list-style-type: none"> • Height • Area • Setback 	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Elevation drawings with colors & materials	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Type of Illumination, if proposed	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____

1. The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that this is crucial for the company's financial health and for providing reliable information to stakeholders.

2. The second part of the document outlines the specific procedures for recording transactions. It details the steps from identifying a transaction to entering it into the accounting system, ensuring that all necessary details are captured.

3. The third part of the document addresses the role of the accounting department in monitoring and controlling the company's resources. It highlights the need for regular reviews and audits to ensure that the company is operating efficiently and within budget.

4. The fourth part of the document discusses the impact of accurate record-keeping on the company's overall performance. It notes that reliable financial data is essential for making informed decisions and for identifying areas for improvement.

5. The fifth part of the document provides a summary of the key points discussed and offers recommendations for ensuring the highest standards of record-keeping. It encourages a culture of transparency and accountability throughout the organization.

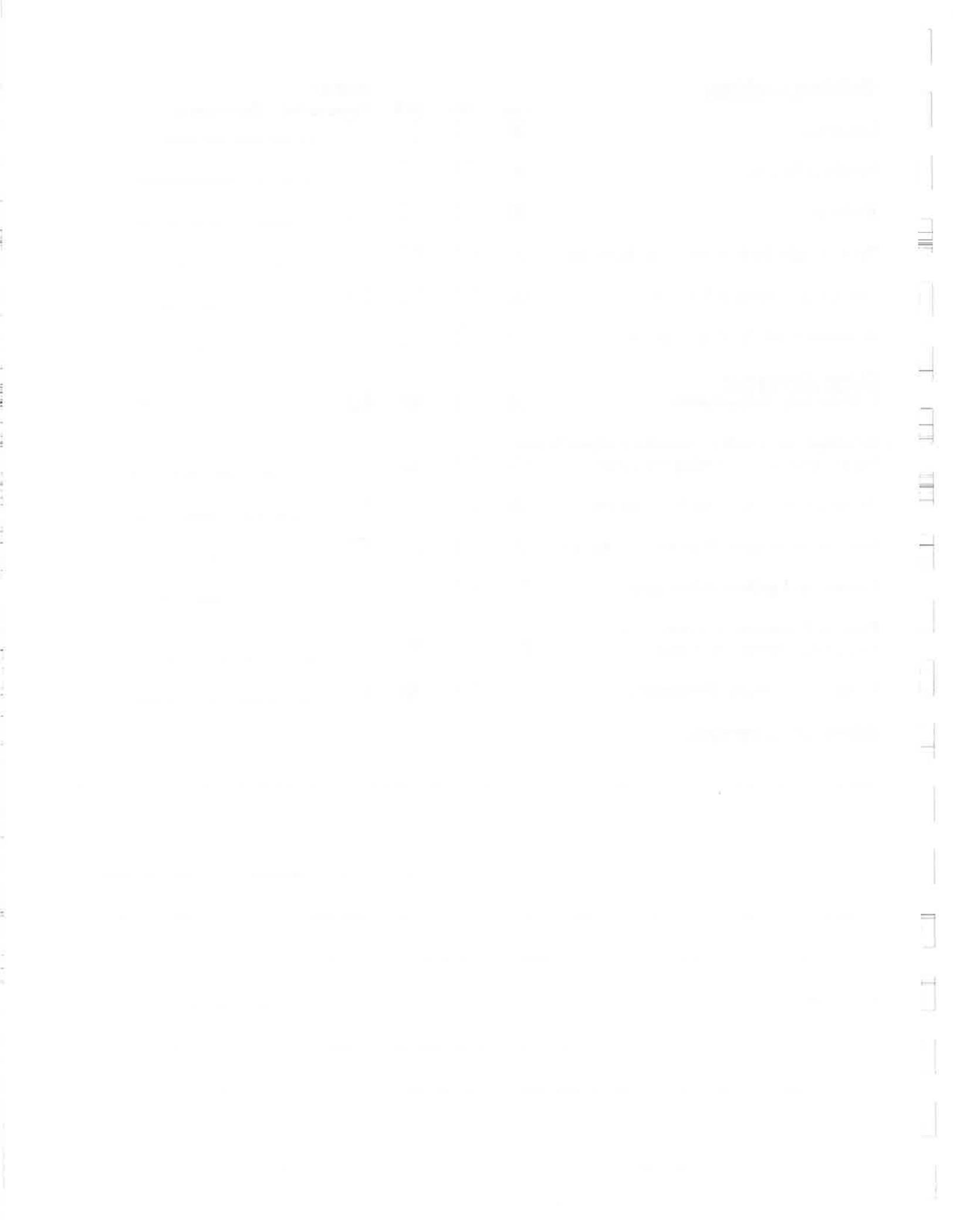
Outdoor Lighting

	Yes	No	N/A	Waiver Requested	Comments
Locations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
Height of fixtures	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
Wattage	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
Type of light (high pressure sodium, etc)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
Design/cut sheets of fixtures	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
Illumination study, if appropriate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____

Other Elements

Traffic study, if appropriate	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Drainage study with calculations, storm Water impact analysis, and mitigation plan	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Grading plan (including finish grades)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
Earth being removed from site(in cubic yards)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
Erosion and sedimentation plan	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
Proposed covenants, easements, And deed restrictions, if any	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
Fiscal impact study, if requested	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____

Additional Comments:



ABUTTER LIST

City of Rochester, NH
Please Print or Type

Applicant: Waste Management of New Hampshire, Inc. **Phone** (603) 443-3088

Project Address: 38 Turnkey Way, Rochester, New Hampshire, 03839

List the names and addresses of all parties below. For abutting lot owners, list each owner whose lot adjoins or is directly across the street or a body of water from the subject property. This form may not be completed more than five (5) days prior to the application deadline.

LEGAL OWNER OF SUBJECT LOT

Map	Lot	Zone	Owner Name	Mailing Address
267	3	RI	Waste Management of New Hampshire, Inc.	14 Taylor Ave Rochester, New Hampshire, 03839

ABUTTING LOT OWNERS

Map	Lot	Owner Name	Owner Mailing Address (NOT property location)
267	2	Waste Management of New Hampshire, Inc.	14 Taylor Ave Rochester, New Hampshire, 03839
267	4	Waste Management of New Hampshire, Inc.	14 Taylor Ave Rochester, New Hampshire, 03839
267	5	Waste Management of New Hampshire, Inc.	PO Box 1450, Chicago, Illinois, 60690-1450
268	8	Waste Management of New Hampshire, Inc.	PO Box 1450, Chicago, Illinois, 60690-1450

PROFESSIONALS AND EASEMENT HOLDERS. *Engineers, Surveyors, Soil Scientists, and Architects whose seal appears or will appear on the plans (other than any agent submitting this application); holders of conservation, preservation, or agricultural easements; and upstream dam owners/NHDES.*

Name of Professional or Easement Holder	Mailing Address
Eric S. Steinhauser, PE, CPESC, CPSWQ	6 Bedford Farms Drive, Suite 201, Bedford, NH 03301

I, the undersigned, acknowledge that it is the responsibility of the applicant or his/her agent to fill out this form. I understand that any error or omission could affect the validity of any approval. To get the names & addresses of all abutters please see the Planning Department Secretary.

on this date: 26 September 2023 This is page 1 of 1 pages.

Applicant or Agent: 

Planning Staff Verification: _____ Date: _____

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TURNKEY RECYCLING & ENVIRONMENTAL ENTERPRISE

14 Taylor Avenue
Rochester, NH 03839
(603) 330-2197
(603) 330-2130 Fax

October 19, 2023

Ms. Shanna B. Saunders, Director
Planning and Development Department
City of Rochester
31 Wakefield Street
Rochester, NH, 03867

Re: Response to Comments
Application for Site Plan Approval
Leachate Treatment Plant Expansion – Stage III
Waste Management of New Hampshire, Inc.
Rochester, New Hampshire

Dear Ms. Saunders:

This letter serves as Waste Management of New Hampshire, Inc.'s (WMNH's) response to the Technical Review Group's (TRG) Review Comments from the October 5, 2023, meeting for the above-referenced Site Plan application. For clarity, the TRG comments are presented below in italics followed by WMNH's responses.

Department of Public Works

- 1. Please show details on water line connections and hydrant details (per city standards).*

Response: Water line connection and hydrant details are included on Sheet 7 of the revised drawings. The revised drawings are attached.

- 2. The project narrative discusses stormwater management and that some flows will be contained within the below grade containment system and other flows directed directly to existing SW swale. Please show the existing and proposed limits of the containment system and provide contour labels so we can verify stormwater flow directions.*

Response: The existing limits of the containment system are shown on Sheets 3 and 4 of the revised drawings. The proposed final limits of the containment system are shown on Sheet 4 of the revised drawings. Additionally, contour labels have been added to the drawings.

Conservation Commission

- 3. Please provide information regarding planned environmental controls for the bulk storage of ferric chloride.*

Response: The storage tank for the ferric chloride will be a double contained HDPE tank. WMNH is proposing to relocate the ferric chloride tank to inside the UF building expansion

TOP SECRET
CONFIDENTIAL

1. The purpose of this document is to provide a comprehensive overview of the current status of the project and to identify the key challenges that must be addressed in order to ensure its successful completion. This document is intended for the use of senior management and is not to be distributed outside of the project team.

2. The project has made significant progress since its inception, with several key milestones having been achieved. However, there are a number of areas where the project is currently lagging, and it is essential that these issues be addressed as a matter of priority.

3. The primary challenge facing the project is the need to secure additional resources in order to maintain the current pace of work. It is recommended that a formal request for funding be submitted to the relevant authorities as soon as possible.

4. In addition to the need for additional resources, there are also a number of other factors that could potentially impact the project's progress. These include changes in the requirements of the project and the availability of key personnel.

5. It is therefore recommended that a detailed risk assessment be conducted in order to identify the potential impact of these factors and to develop appropriate mitigation strategies. This should be completed as a matter of urgency.

6. The project team is committed to the successful completion of the project and will continue to work hard to overcome the challenges that we are currently facing. We would welcome any feedback or suggestions that you may have in order to help us improve our performance.

7. This document is classified as 'TOP SECRET' and 'CONFIDENTIAL' and is intended for the use of senior management only. It is not to be distributed outside of the project team without the express permission of the project manager.

addition. By placing the double-contained tank inside the building additional containment and protection of the environment is provided.

Other Departments

No comments were provided by the Zoning Administrator, Director of Code Enforcement, and Economic Development, Fire and Police Departments.

Additional Drawing Revisions

Please note that the following revisions were made to the drawings based on the comments provided by the TRG and finalization of the project scope. For clarity the revisions are noted by drawing sheet.

- Sheet 1 - updated the legend.
- Sheet 3 - added contour labels and the limit of the existing containment.
- Sheet 4 - added contour labels, the limit of the existing and proposed containment, revised the access into the tank area, relocated the ferric chloride tank to inside the UF Building expansion; relocated the bulk methanol storage tank to in front of the UF building; with the relocation of the tanks shorten the proposed water line; added a concrete slab under the proposed rental chiller staging area; included guardrail on the SW side of edge of pavement and added the word 'proposed' to MBR #1 & #2 Internal Recycle Pumps in Enclosure labels.
- Sheet 5 – revised the specified gravel for the pavement and crushed gravel section to be consistent with aggregate materials available at the site.
- Sheet 7 – added the waterline connection and fire hydrant details.
- Sheet 8 – relocated the ferric chloride tank inside the UF building addition and revised the exterior and interior doors to work with the ferric chloride tank location.
- Sheets 9 and 10 – revised the building elevations to match the changes to the exterior doors and added demarcation to identify the existing building and the proposed additions.
- Sheet 12 – added this sheet to provide the cut sheet for the example stairs to access the Methanol Tank.
- Sheet 13 – added this sheet to provide photographs of the existing leachate plant building and tanks.

Please contact me should you require additional information regarding the proposed development. I can be reached at 603-330-2140 or areichert@wm.com.

Sincerely,

WASTE MANAGEMENT OF NEW HAMPSHIRE, INC.



Anne Reichert, P.E.

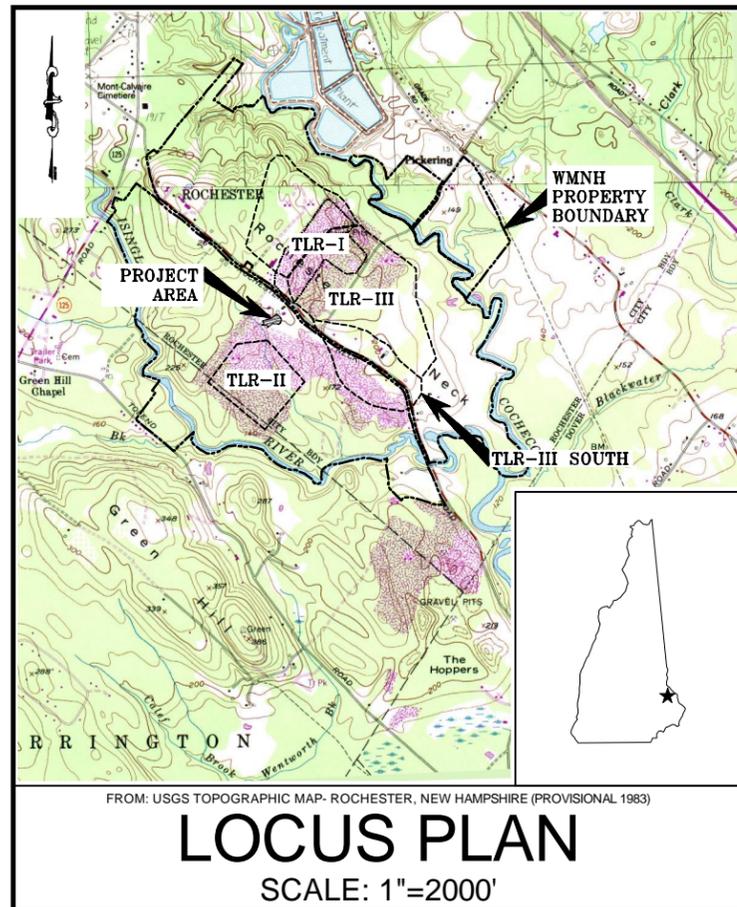
Construction Project Manager

Enclosures: 11"x17" Revised Drawings (2 Copies)
22"x34" Revised Drawings (3 Copies)

Copies to: Eric Steinhauser – Sanborn Head

LEACHATE TREATMENT PLANT EXPANSION STAGE III WASTE MANAGEMENT OF NEW HAMPSHIRE, INC. TURNKEY RECYCLING & ENVIRONMENTAL ENTERPRISES

ROCHESTER, NEW HAMPSHIRE
SOLID WASTE PERMIT NO. DES-SW-SP-95-001
SEPTEMBER 2023
LAST REVISED OCTOBER 2023



SHEET INDEX

SHEET NO.	TITLE
1	NOTES, LEGEND, AND ABBREVIATIONS
2	OVERALL SITE AND ZONING PLAN
△ 3	EXISTING CONDITIONS PLAN
△ 4	PROPOSED SITE PLAN
△ 5-7	DETAILS AND SECTIONS
△ 8	BUILDING FLOOR PLAN
△ 9-10	BUILDING ELEVATIONS
△ 11	EXAMPLE METHANOL TANK CUT-SHEET
△ 12	EXAMPLE STAIRS FOR METHANOL TANK CUT-SHEET
△ 13	LEACHATE TREATMENT PLANT PHOTOGRAPHS

FOR MORE INFORMATION ABOUT THESE PLANS, CONTACT THE CITY OF ROCHESTER PLANNING DEPARTMENT, 33 WAKEFIELD STREET, ROCHESTER, NH 03867 (603) 335-1338.

ROCHESTER PLANNING BOARD
APPROVAL CERTIFIED BY: _____ DATE: _____

THE DEVELOPMENT DEPICTED IN THESE DRAWINGS MUST BE IN COMPLIANCE WITH ALL APPLICABLE LAW INCLUDING ALL PERTINENT PROVISIONS OF THE "CITY OF ROCHESTER SITE PLAN REGULATIONS" UNLESS OTHERWISE WAIVED.

REVISION TABLE			
NO.	DATE	DESCRIPTION	BY
△	10/18/23	REVISED DRAWINGS BASED ON COMMENTS FROM TRG AND WMNH	KMA



PREPARED FOR:



WASTE MANAGEMENT OF NEW HAMPSHIRE, INC.
30 ROCHESTER NECK ROAD
ROCHESTER, NEW HAMPSHIRE 03839

PREPARED BY:



6 BEDFORD FARMS DRIVE, SUITE 201, BEDFORD, NEW HAMPSHIRE 03110
(603) 229-1900 FAX (603) 229-1919

© 2023 SANBORN HEAD & ASSOCIATES, INC.
 MAJES, LLC, 1000 North Main Street, Suite 200, Rochester, NH 03867
 PROJECT NO. 2023-001
 FILE # 2023-001
 LAYOUT BY: [Name]
 PLOT DATE: 10/18/23

PROJ.#: 5793.00 "LEACHATE TREATMENT PLANT EXPANSION STAGE III" LAST REVISED OCTOBER 2023

0323 SANBORN HEAD & ASSOCIATES, INC. MAJESIE, D. STEINHAUSER
 C:\Program Files (x86)\AutoCAD\MapTools\MapTools.rvt

REFERENCE NOTES

- UNLESS OTHERWISE NOTED, TOPOGRAPHY AND SITE FEATURES WERE PROVIDED TO SANBORN HEAD IN AN ELECTRONIC FILE TITLED, "30901775-002-1-2023_MAPPING.DWG" PREPARED FROM AERIAL PHOTOGRAMMETRIC METHODS BY WSP USA INC. OF MERRIMACK, NEW HAMPSHIRE FOR WASTE MANAGEMENT OF NEW HAMPSHIRE, INC. (WMNH) USING AERIAL PHOTOGRAPHY DATED MAY 6, 2023 AT AN ORIGINAL SCALE OF 1" = 100' AND CONTOUR INTERVAL OF 2 FEET. VERTICAL DATUM IS BASED ON NGVD 1929. HORIZONTAL DATUM IS BASED ON NEW HAMPSHIRE STATE PLANE COORDINATE SYSTEM NAD 1983 (US SURVEY FEET).
- VERTICAL DATUM IS BASED ON NGVD 1929. GRID IS BASED ON NEW HAMPSHIRE STATE PLANE COORDINATE SYSTEM NAD 1983.
- WETLAND AREAS REPRESENT A COMPILATION OF INFORMATION OBTAINED USING EXISTING AERIAL PHOTOGRAPHY, SOILS INFORMATION, U.S.F.W.S. NATIONAL WETLAND INVENTORY MAPS, AND DELINEATIONS WITHIN THE PROJECT AREA PERFORMED IN OCTOBER AND DECEMBER 2014 AND SUPPLEMENTED WITH ADDITIONAL DELINEATIONS PERFORMED BETWEEN SEPTEMBER 2000 AND JUNE 2015 BY BARRY H. KEITH, NH CWS #087, IN ACCORDANCE WITH NHWB ADMINISTRATIVE RULE WT 301.01 (A-C) USING THE METHODS OUTLINED IN THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL, TECHNICAL REPORT Y-87-1 (JANUARY 1987) AND FIELD IDENTIFYING HYDRIC SOILS IN NEW ENGLAND (VERSION II) PUBLISHED BY THE N.E. INTERSTATE WATER POLLUTION CONTROL COMMISSION. WETLAND AREAS WERE CLASSIFIED IN ACCORDANCE WITH NHWB ADMINISTRATIVE RULE WT 301.02 USING THE USFWS/OBS-79/31 MANUAL CLASSIFICATION OF WETLANDS AND DEEPWATER HABITATS OF THE UNITED STATES (COWARDIN ET AL, 1979).
- EXISTING MONITORING WELL AND GAS PROBE LOCATIONS WERE PROVIDED TO SANBORN HEAD BY WMNH.
- PROPERTY LINE INFORMATION WAS TAKEN FROM A PLAN TITLED 'BOUNDARY COMPILATION AND FOOTPRINT COMPILATION OF TLR-I AND TLR-III, ROCHESTER NECK ROAD, GONIC, NEW HAMPSHIRE' PREPARED FOR WASTE MANAGEMENT OF NEW HAMPSHIRE, INC. BY CHAS. H. SELLS, INC. OF NASHUA, NEW HAMPSHIRE DATED JANUARY 29, 2002 AT A SCALE OF 1" = 300'.
- THE EXISTING UTILITIES SHOWN ON THESE PLANS DO NOT REPRESENT A COMPLETE COMPILATION OF ALL UTILITIES INSTALLED AT THE SITE. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER TO REVIEW ALL AS-BUILT DRAWINGS PRIOR TO EXCAVATING. DAMAGE CAUSED TO EXISTING UTILITIES DURING CONSTRUCTION WILL BE REPAIRED PROMPTLY BY THE CONTRACTOR AT NO COST TO THE OWNER.
- THE EXISTING LIMIT OF SECONDARY CONTAINMENT WAS PROVIDED ELECTRONICALLY IN A FILE TITLED "XC_SITE_EXISTING.DWG" BY RAMBOLT. THE LIMIT SHOULD BE CONSIDERED APPROXIMATE.

ABBREVIATIONS

Ø	DIAMETER	MAX.	MAXIMUM
A, ASPH	ASPHALT	MH	MANHOLE
CB	CATCH BASIN	MIN.	MINIMUM
CONC.	CONCRETE	N	NORTHING
E	EASTING	O.C.	ON CENTER
EL	ELEVATION	SCH	SCHEDULE
ENDWL	ENDWALL	SDR	STANDARD DIMENSION RATIO
HDPE	HIGH DENSITY POLYETHYLENE	TLR	TURNKEY LANDFILL OF ROCHESTER
HP	HIGH POINT, HORSEPOWER	TRANS	TRANSFORMER
INV.	INVERT	TYP	TYPICAL

LEGEND

△ EXISTING CONDITIONS	△ PROPOSED CONDITIONS
TOWN LINE	2-FOOT ELEVATION CONTOUR
PROPERTY LINE	10-FOOT ELEVATION CONTOUR
LOT LINE	BUILDING OUTLINE
RECYCLING INDUSTRIAL ZONING BOUNDARY	WATER LINE
LIMIT OF WASTE CONTAINMENT	LIMIT OF SECONDARY CONTAINMENT
TLR-I LIMIT OF WASTE CONTAINMENT	EDGE OF PAVEMENT
2-FOOT ELEVATION CONTOUR	GUARDRAIL
10-FOOT ELEVATION CONTOUR	UNPAVED ROAD
EDGE OF ROAD	RETAINING WALL
UNPAVED ROAD	CONCRETE PAD
LIMIT OF WETLANDS	LEACHATE TANK
EDGE OF WATER	FIRE HYDRANT
FORCE MAIN	
SEWER	
WATER MAIN	
NATURAL GAS	
UNDERGROUND ELECTRIC	
FIBER OPTIC	
DRAINAGE	
PAINTED LINE	
FENCE	
TREE LINE	
GUARDRAIL	
EXISTING LIMIT OF SECONDARY CONTAINMENT (APPROXIMATE)	
PAVEMENT	
WETLAND AREA	
NATURAL WETLAND BUFFER AREA	
100 YEAR FLOOD PLAIN	
UTILITY POLE	
POST	
MISC. OBJECT	
SIGN	
LIGHT POST	
TREE/BUSH	
CATCH BASIN	
SEWER MANHOLE	
FIRE HYDRANT	

FOR MORE INFORMATION ABOUT THESE PLANS, CONTACT THE CITY OF ROCHESTER PLANNING DEPARTMENT, 33 WAKEFIELD STREET, ROCHESTER, NH, 03867 (603) 335 - 1338.

ROCHESTER PLANNING BOARD
 APPROVAL CERTIFIED BY: _____ DATE: _____



SCALE: AS NOTED



NO.	DATE	DESCRIPTION	BY
1	10/18/23	UPDATED LEGEND	KMA

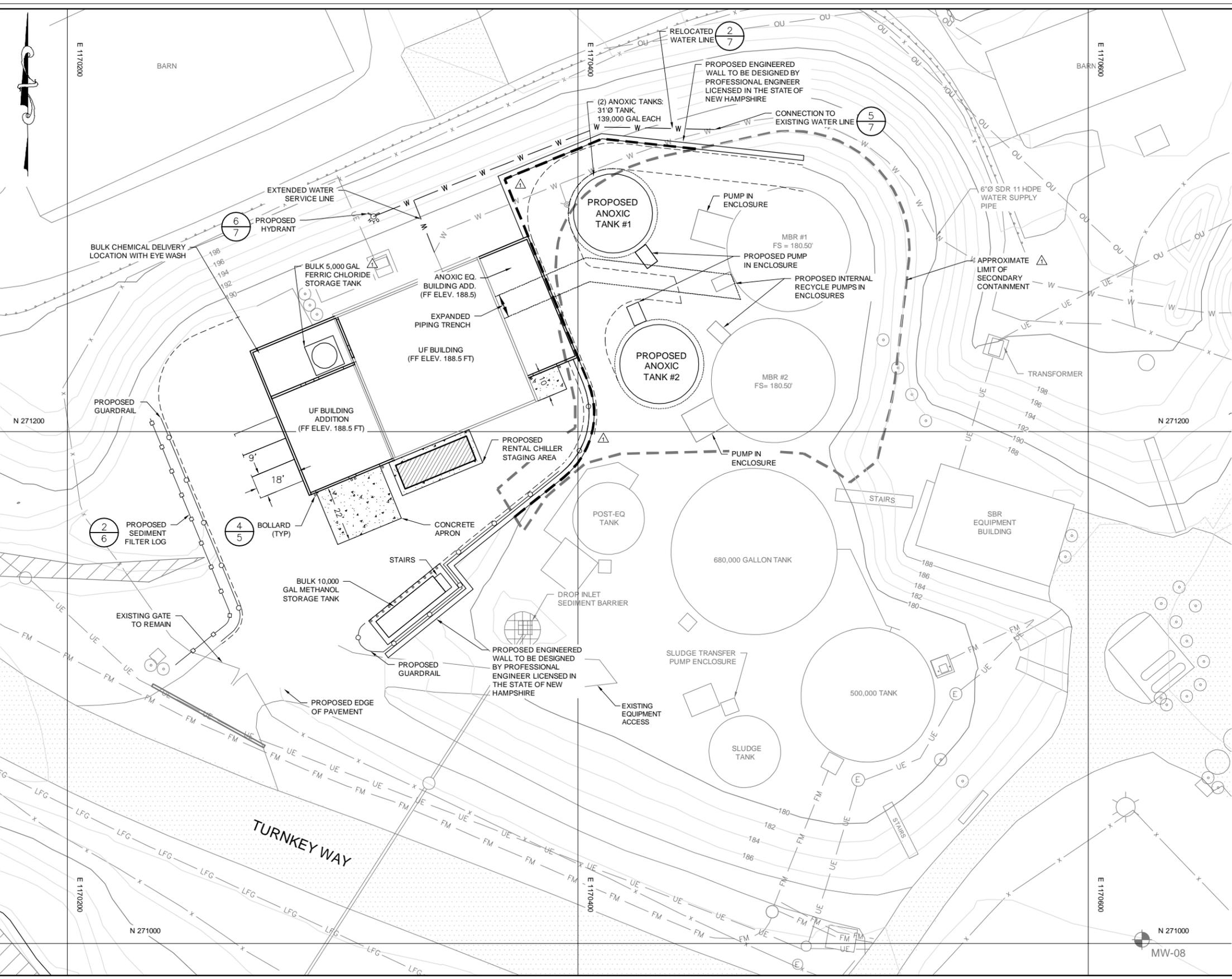
DRAWN BY: L. ZUCHOWSKI
 DESIGNED BY: L. ZUCHOWSKI
 REVIEWED BY: K. ANDERSON
 PROJECT MGR: K. ANDERSON
 PIC: E. STEINHAUSER
 DATE: SEPTEMBER 2023

LEACHATE TREATMENT PLANT EXPANSION STAGE III
 WASTE MANAGEMENT OF NEW HAMPSHIRE, INC.
 TURNKEY RECYCLING & ENVIRONMENTAL ENTERPRISES
 ROCHESTER, NEW HAMPSHIRE

NOTES, LEGEND, AND ABBREVIATIONS

PROJECT NUMBER:
5793.00
 SHEET NUMBER:
1 OF 13

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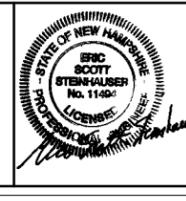
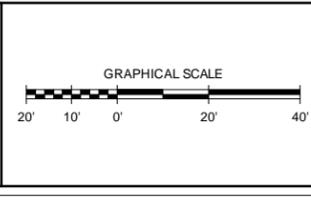


NOTES:
1. REFER TO SHEET 1 FOR ADDITIONAL NOTES AND LEGEND INFORMATION.

- LEGEND:**
- EXISTING 2-FOOT ELEVATION CONTOUR
 - EXISTING 10-FOOT ELEVATION CONTOUR
 - EXISTING LANDFILL GAS PIPE
 - EXISTING FORCE MAIN
 - EXISTING UNDERGROUND ELECTRIC
 - EXISTING OVERHEAD UTILITIES
 - EXISTING WATER SUPPLY
 - PROPOSED WATER SUPPLY
 - EXISTING LIMIT OF SECONDARY CONTAINMENT (APPROXIMATE)
 - PROPOSED LIMIT OF SECONDARY CONTAINMENT
 - PROPOSED GUARDRAIL
 - PROPOSED RETAINING WALL
 - PROPOSED BUILDING
 - PROPOSED EDGE OF PAVEMENT
 - EXISTING CULVERT
 - PROPOSED LEACHATE TANK
 - EXISTING PAVEMENT
 - PROPOSED CONCRETE

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ROCHESTER PLANNING BOARD
APPROVAL CERTIFIED BY: _____ DATE: _____



NO.	DATE	DESCRIPTION	BY
1	10/18/23	ADDED LIMITS OF SECONDARY CONTAINMENT, REVISED ACCESS INTO SECONDARY CONTAINMENT, RELOCATED FERRIC ACID CHLORIDE STORAGE TANK, AND METHANOL STORAGE TANK	KMA

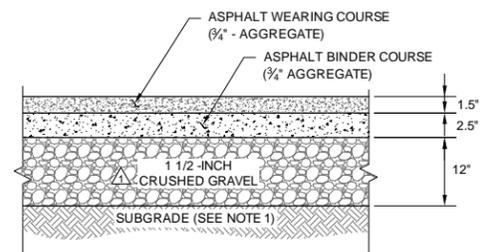
DRAWN BY: L. ZUCHOWSKI
DESIGNED BY: L. ZUCHOWSKI
REVIEWED BY: K. ANDERSON
PROJECT MGR: K. ANDERSON
PIC: E. STEINHAUSER
DATE: SEPTEMBER 2023

LEACHATE TREATMENT PLANT EXPANSION STAGE III
WASTE MANAGEMENT OF NEW HAMPSHIRE, INC.
TURNKEY RECYCLING & ENVIRONMENTAL ENTERPRISES
ROCHESTER, NEW HAMPSHIRE

PROPOSED SITE PLAN

PROJECT NUMBER: 5793.00
SHEET NUMBER: 4 OF 13

© 2023 SANBORN, HEAD & ASSOCIATES, INC.
 MAJES: P:\PROJECTS\2023\11\11-0000\11-0000.dwg
 C:\Users\lhead\OneDrive\Documents\11-0000.dwg
 DATE: 10/18/23 10:14 AM

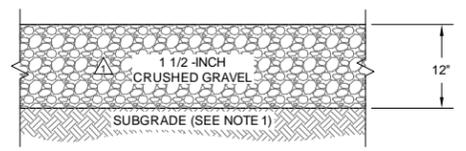


NOTES:

- SUBGRADE SHALL BE COMPACTED EXISTING SOIL (IF GRANULAR). IF NOT GRANULAR, UNSUITABLE SUBGRADE SOIL SHALL BE REMOVED AND REPLACED TO PROVIDE A MINIMUM OF 12 INCHES OF COMPACTED GRANULAR MATERIAL FOR SUBGRADE.

1 PAVEMENT SECTION

NOT TO SCALE

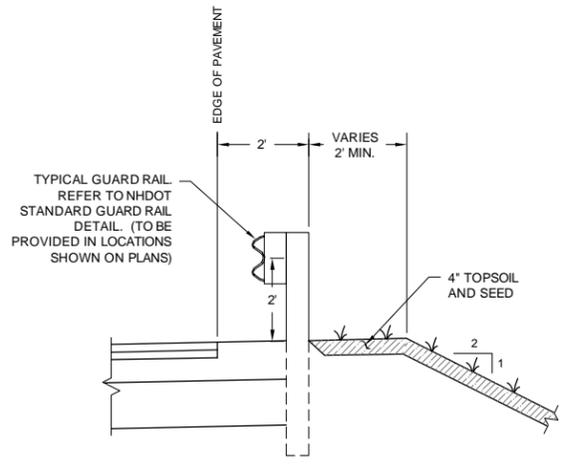


NOTES:

- SUBGRADE SHALL BE COMPACTED EXISTING SOIL (IF GRANULAR). IF NOT GRANULAR, UNSUITABLE SUBGRADE SOIL SHALL BE REMOVED AND REPLACED TO PROVIDE A MINIMUM OF 12 INCHES OF COMPACTED GRANULAR MATERIAL FOR SUBGRADE.

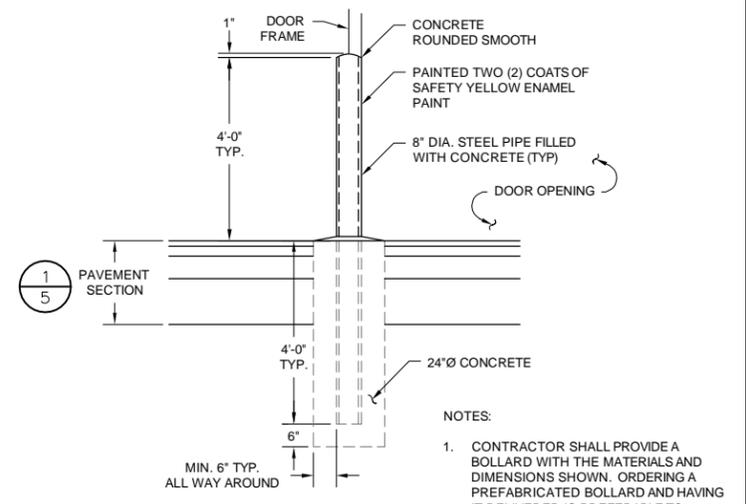
2 CRUSHED GRAVEL SECTION

NOT TO SCALE



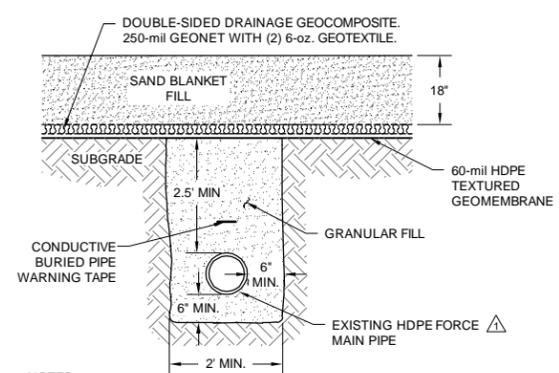
3 SLOPE TRANSITION

NOT TO SCALE



4 BOLLARD

NOT TO SCALE

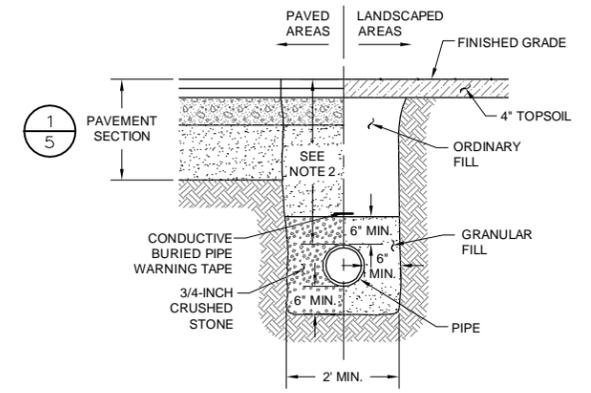


NOTES:

- ALL FORCE MAINS CONVEYING UNTREATED LEACHATE SHALL BE SECONDARILY CONTAINED.

5 CONTAINMENT SYSTEM

NOT TO SCALE



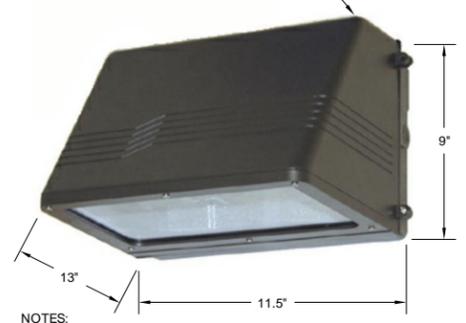
NOTES:

- 12 INCHES OF PIPE BEDDING SHALL BE PROVIDED IN AREAS IF UNSUITABLE SOILS ARE ENCOUNTERED.
- 4' MIN. FOR FOR FORCE MAINS. 2' MIN. FOR ROOF DRAINS.

6 PIPE TRENCH

NOT TO SCALE (PIPE TRENCH)

150-WATT HIGH PRESSURE SODIUM DW SERIES WALL LIGHT BY ACCULITE OR EQUIVALENT "DOWN CAST" LIGHT APPROVED BY THE ENGINEER.

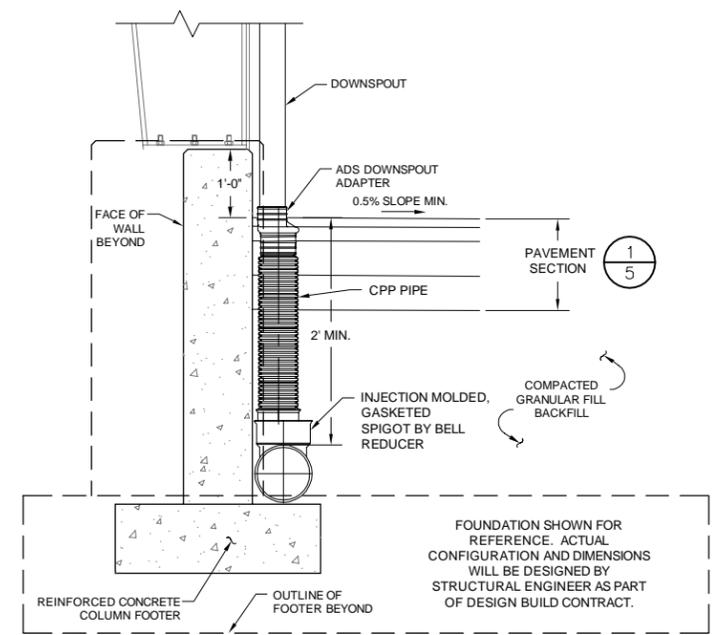


NOTES:

- THIS LIGHT FIXTURE IS CLASSIFIED AS FULL CUT-OFF AND IS APPROVED BY THE INTERNATIONAL DARK SKY ASSOCIATION.
- SPECIFICATION SHEETS FOR THIS PRODUCT ARE AVAILABLE AT WWW.ACULITELTG.COM

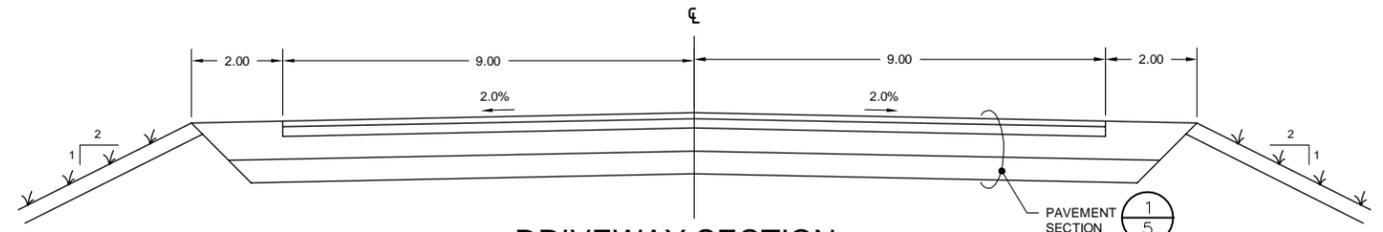
8 TYPICAL WALL LIGHT

NOT TO SCALE



9 ROOF DRAIN

NOT TO SCALE (ALONG BUILDING WALL)



7 DRIVEWAY SECTION

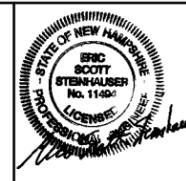
NOT TO SCALE

FOR MORE INFORMATION ABOUT THESE PLANS, CONTACT THE CITY OF ROCHESTER PLANNING DEPARTMENT, 33 WAKEFIELD STREET, ROCHESTER, NH, 03867 (603) 335 - 1338.

ROCHESTER PLANNING BOARD APPROVAL CERTIFIED BY: _____ DATE: _____



SCALE: AS NOTED



NO.	DATE	DESCRIPTION	BY
1	10/18/23	REVISED DETAILS 1 & 2	KMA

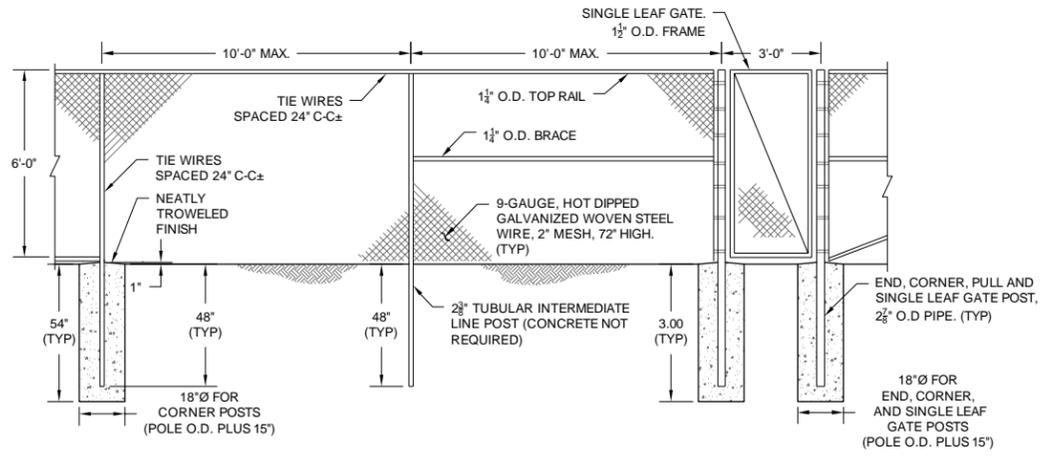
DRAWN BY: L. ZUCHOWSKI
 DESIGNED BY: L. ZUCHOWSKI
 REVIEWED BY: K. ANDERSON
 PROJECT MGR: K. ANDERSON
 PIC: E. STEINHAUSER
 DATE: SEPTEMBER 2023

LEACHATE TREATMENT PLANT EXPANSION STAGE III
 WASTE MANAGEMENT OF NEW HAMPSHIRE, INC.
 TURNKEY RECYCLING & ENVIRONMENTAL ENTERPRISES
 ROCHESTER, NEW HAMPSHIRE

DETAILS AND SECTIONS

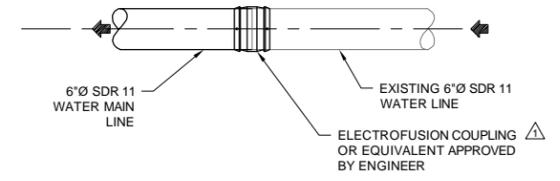
PROJECT NUMBER:
5793.00
 SHEET NUMBER:
5 OF 13

0203 SANBORN HEAD & ASSOCIATES, INC.
 MAJESTY PLANNING AND DESIGN, INC.
 1000 W. MAIN STREET, SUITE 200, RICHMOND, NH 03304
 TEL: 603-883-1100 FAX: 603-883-1101
 WWW.SANBORNHEAD.COM

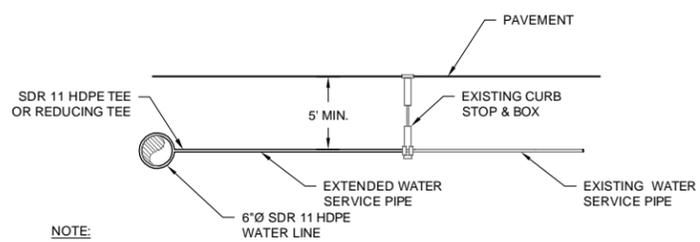


- NOTES:
1. THE CONTRACTOR SHALL SALVAGE AND REUSE EXISTING DRIVEN POSTS, FABRICATED RAILS, AND FABRIC AND PROVIDE NEW FENCING MATERIAL AS REQUIRED TO CONSTRUCT FENCING AS SHOWN ON THE DRAWINGS.
 2. ALL CORNER AND INTERMEDIATE BRACES OR PULL POSTS SHALL HAVE TWO BRACES.
 3. GATES TO BE INSTALLED AS PER MANUFACTURER'S INSTRUCTIONS.
 4. CORNER POSTS AND GATE POSTS SHALL BE SET IN CONCRETE AS SHOWN.

1 CHAIN LINK FENCE
NOT TO SCALE

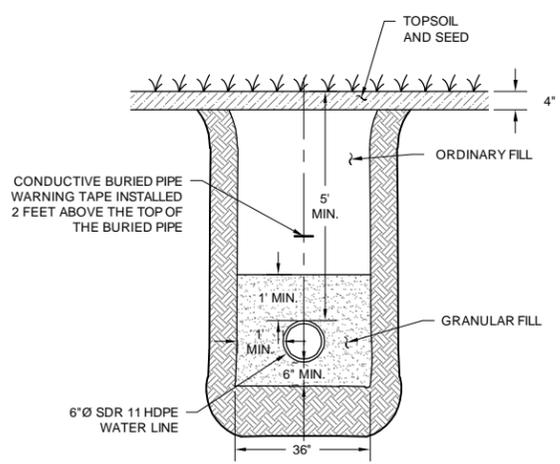


4 CONNECTION TO EXISTING WATER LINE
NOT TO SCALE

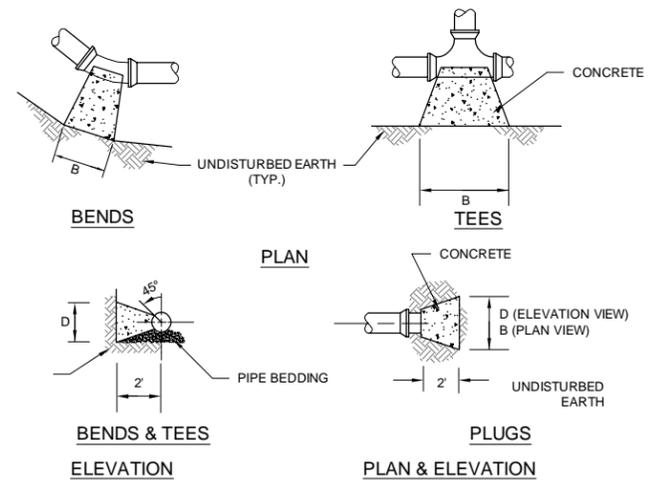


- NOTE:
1. EXISTING WATER SERVICE PIPES FROM LEACHATE TREATMENT BUILDING TO BE EXTENDED AND CONNECTED TO THE RELOCATED SECTION OF THE WATER LINE.

5 SERVICE CONNECTION
NOT TO SCALE



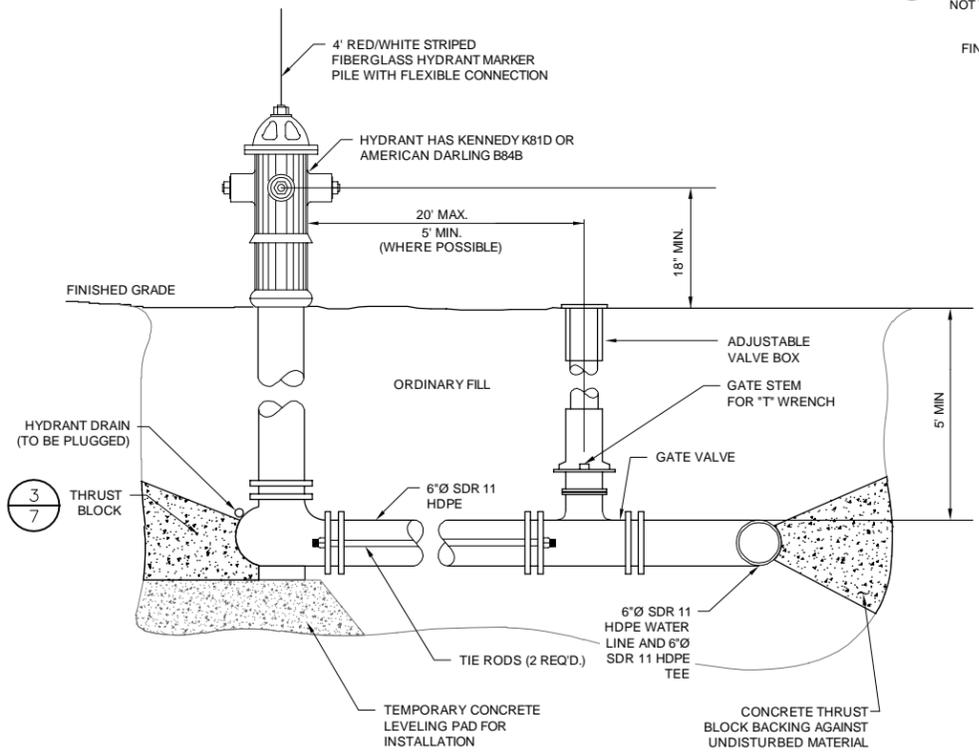
2 WATER PIPE TRENCH
NOT TO SCALE



THRUST BLOCK DIMENSIONS (IN FT)		
TEE	B	D
90°	3.0	3.0
45°	3.3	3.3
22 1/2°	2.5	2.5
11 1/4°	2.0	2.0
HYD. & PLUG	1.5	1.5
	2.8	2.8

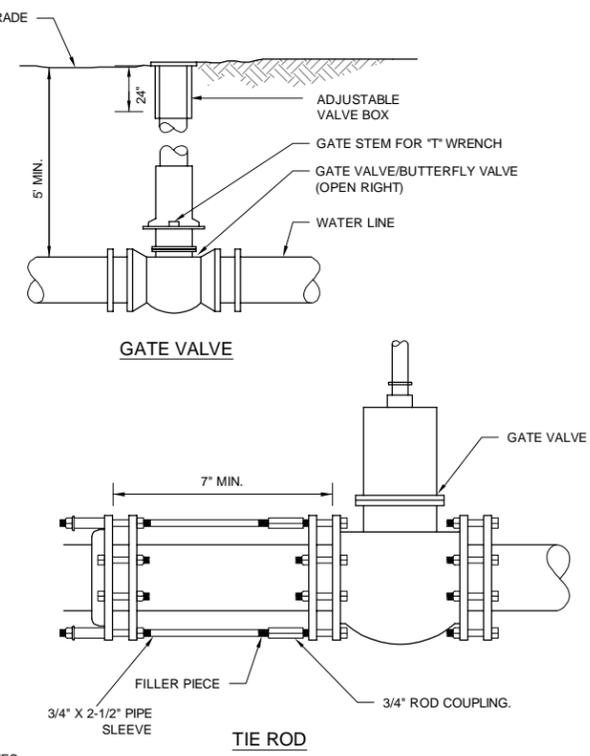
- NOTE:
1. SUFFICIENT CLEARANCE WAS PROVIDED BETWEEN CONCRETE THRUST BLOCKS AND FLANGE BOLTS TO ALLOW FUTURE DISCONNECTION OF FLANGE BOLTS.
 2. CONCRETE FOR THRUST BLOCKS HAVE A 28-DAY COMPRESSIVE STRENGTH OF 3,000 PSI.

3 THRUST BLOCK
NOT TO SCALE



- NOTES:
1. ALL HYDRANTS HAVE RETAINER GLANDS.
 2. CONCRETE BASE AND BLOCKING MATERIAL DO NOT BLOCK OR OBSTRUCT HYDRANT DRAIN.
 3. HYDRANTS AND GATE VALVES CONFORM TO THE CITY OF ROCHESTER D.P.W. SPECIFICATIONS AND STANDARDS.

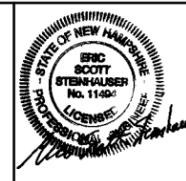
6 FIRE HYDRANT
NOT TO SCALE



- NOTES:
1. MEGA-LUG RETAINER GLANDS IN ACCORDANCE WITH CITY OF ROCHESTER D.P.W. SPECIFICATIONS HAVE BEEN USED ON ALL GATE VALVES.
 2. ALL GATE VALVES AND FITTINGS HAVE BEEN CONFORMED TO CITY OF ROCHESTER D.P.W. SPECIFICATIONS AND STANDARDS.

FOR MORE INFORMATION ABOUT THESE PLANS, CONTACT THE CITY OF ROCHESTER PLANNING DEPARTMENT, 33 WAKEFIELD STREET, ROCHESTER, NH, 03867 (603) 335-1338.

ROCHESTER PLANNING BOARD APPROVAL CERTIFIED BY: _____ DATE: _____



NO.	DATE	DESCRIPTION	BY
1	10/18/23	ADDED DETAILS 3 THRU 6	KMA

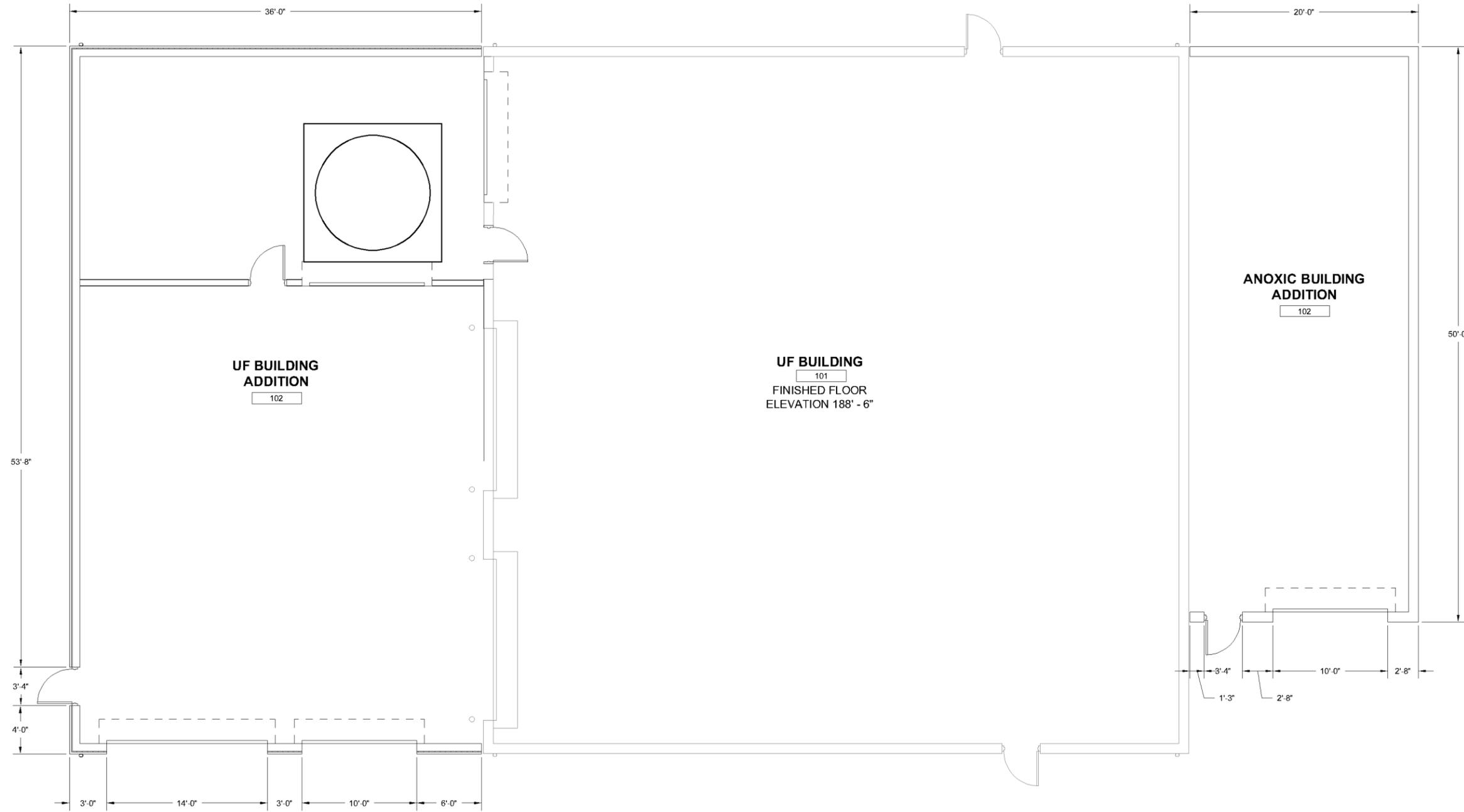
DRAWN BY: L. ZUCHOWSKI
 DESIGNED BY: L. ZUCHOWSKI
 REVIEWED BY: K. ANDERSON
 PROJECT MGR: K. ANDERSON
 PIC: E. STEINHAUSER
 DATE: SEPTEMBER 2023

LEACHATE TREATMENT PLANT EXPANSION STAGE III
 WASTE MANAGEMENT OF NEW HAMPSHIRE, INC.
 TURNKEY RECYCLING & ENVIRONMENTAL ENTERPRISES
 ROCHESTER, NEW HAMPSHIRE

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NOTES:
1. GENERAL BUILDING ARRANGEMENT TO BE FINALIZED BY RAMBOLL OF SYRACUSE, NEW YORK.



MADE IN THE UNITED STATES OF AMERICA
DRAWN BY: L. ZUCHOWSKI
CHECKED BY: K. ANDERSON
DATE: 10/18/23

PROJECT: LEACHATE TREATMENT PLANT EXPANSION STAGE III
WASTE MANAGEMENT OF NEW HAMPSHIRE, INC.
TURNKEY RECYCLING & ENVIRONMENTAL ENTERPRISES
ROCHESTER, NEW HAMPSHIRE

SCALE: AS SHOWN
DATE: 10/18/23
BY: L. ZUCHOWSKI

FOR MORE INFORMATION ABOUT THESE PLANS, CONTACT THE CITY OF ROCHESTER PLANNING DEPARTMENT, 33 WAKEFIELD STREET, ROCHESTER, NH, 03867 (603) 335 - 1338.

ROCHESTER PLANNING BOARD
APPROVAL CERTIFIED BY: _____ DATE: _____



NO.	DATE	DESCRIPTION	BY
1	10/18/23	REMOVED DOOR AND LIGHT FIXTURE FROM WEST END OF BUILDING	KMA

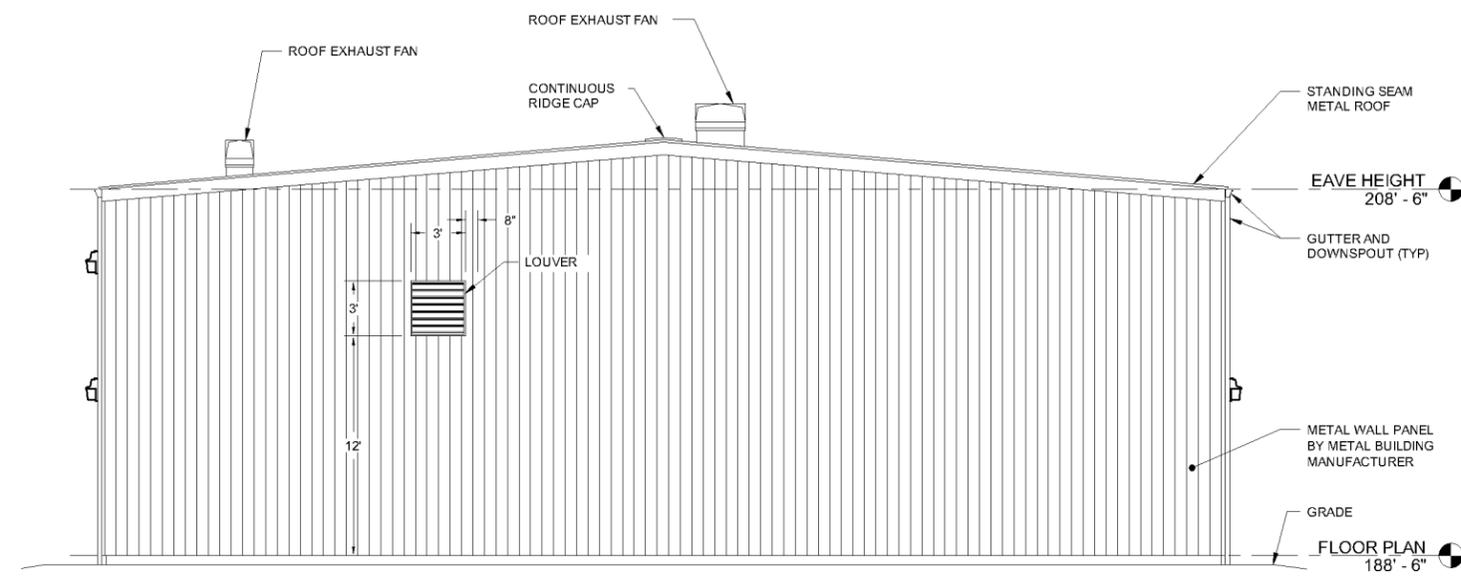
DRAWN BY: L. ZUCHOWSKI
DESIGNED BY: L. ZUCHOWSKI
REVIEWED BY: K. ANDERSON
PROJECT MGR: K. ANDERSON
PIC: E. STEINHAUSER
DATE: SEPTEMBER 2023

LEACHATE TREATMENT PLANT EXPANSION STAGE III
WASTE MANAGEMENT OF NEW HAMPSHIRE, INC.
TURNKEY RECYCLING & ENVIRONMENTAL ENTERPRISES
ROCHESTER, NEW HAMPSHIRE

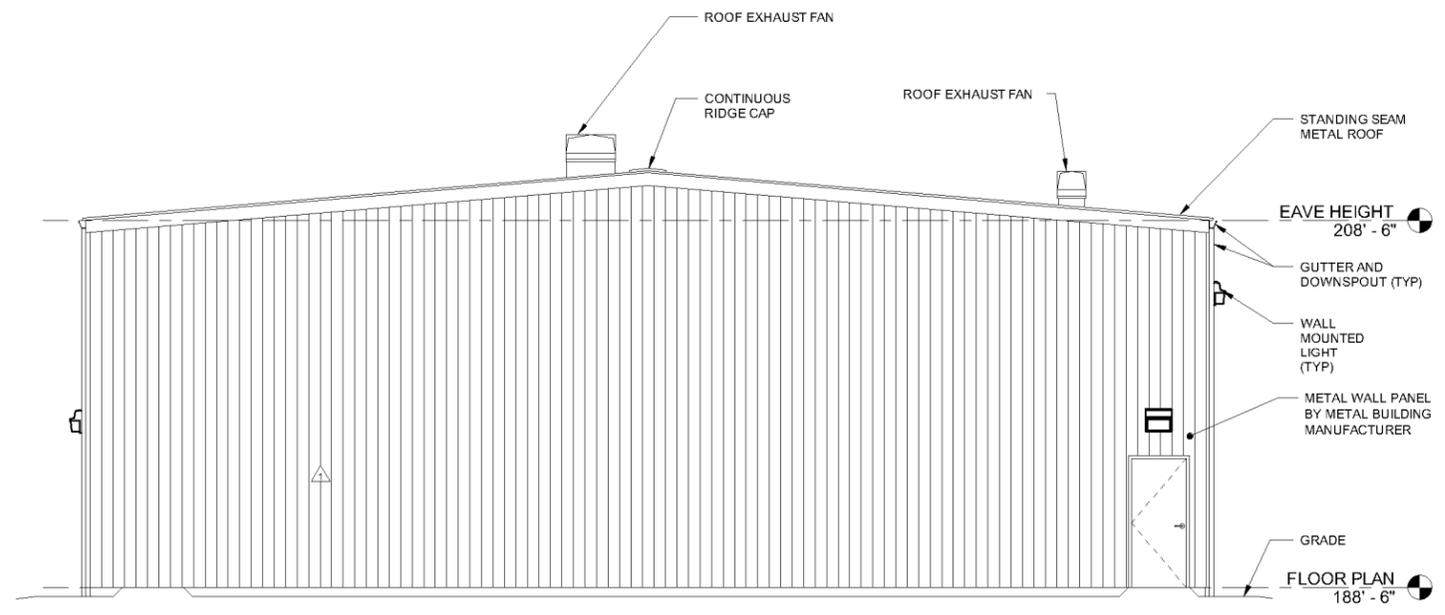
PROJECT NUMBER:
5793.00

BUILDING FLOOR PLAN

SHEET NUMBER:
8 OF 13



EAST ELEVATION



WEST ELEVATION

FOR MORE INFORMATION ABOUT THESE PLANS, CONTACT THE CITY OF ROCHESTER PLANNING DEPARTMENT, 33 WAKEFIELD STREET, ROCHESTER, NH, 03867 (603) 335 - 1338.

ROCHESTER PLANNING BOARD APPROVAL CERTIFIED BY: _____ DATE: _____



NO.	DATE	DESCRIPTION	BY
1	10/18/23	REMOVED DOOR AND LIGHT FIXTURE FROM WEST END OF BUILDING	KMA

DRAWN BY: L. ZUCHOWSKI
 DESIGNED BY: L. ZUCHOWSKI
 REVIEWED BY: K. ANDERSON
 PROJECT MGR: K. ANDERSON
 PIC: E. STEINHAUSER
 DATE: SEPTEMBER 2023

LEACHATE TREATMENT PLANT EXPANSION STAGE III
 WASTE MANAGEMENT OF NEW HAMPSHIRE, INC.
 TURNKEY RECYCLING & ENVIRONMENTAL ENTERPRISES
 ROCHESTER, NEW HAMPSHIRE

PROJECT NUMBER:
5793.00
 SHEET NUMBER:
9 OF 13

BUILDING ELEVATIONS

