



October 9, 2024

Mark Fairbrother, Section Chief
Roger Moeller, Environmental Engineer
Massachusetts Department of Environmental Protection
Northeast Regional Office
150 Presidential Way
Woburn, Massachusetts 01801

Re: GLOUCESTER – Solid Waste Management
Eastern Waste Services, LLC
24 Kondelin Road
FMF#: 364665

BWP SW01/Site Suitability for a New Site Assignment
Application Number: 23-SW01-0002-APP

Dear Mr. Fairbrother and Mr. Moeller:

On behalf of Eastern Waste Services (EWS), Tetra Tech is responding to MassDEP technical review comments received in regard to the Site Assignment Application #23-SW01-0002-APP (Application).

Per 310 CMR 016.11(3)(b), applicants have 40 days to provide minor Application modifications in response to comments. The review period began September 26, 2023. On November 3, 2023, Tetra Tech on behalf of EWS submitted responses to technical review comments received via email from MassDEP on October 5, 2023. On November 14, 2023, we received further technical review comment via email from MassDEP to the Technical Comment “5) Traffic Impacts”. After discussions with the Applicant, a hold on the application was requested. MassDEP granted the hold on November 20, 2023.

The following are responses to MassDEP comments that appear in italics related to traffic impacts, as well as responses to Technical Comments related to private water wells, and air quality impacts.

a. Traffic Impacts

Per our conversation, a review of the Applicant’s response to Comment “5) Traffic Impacts” provided in the Tetra Tech Public Comment Response letter dated 11/3/23, and review of Appendix E of the “Traffic Impact and Access Study” dated 1/26/23, indicates the project will generate greater than 150 truck trips per day (adt). Page five (5), paragraph two (2), of the ENF Certificate dated 3/27/23, requires submission of a Notice of Project Change (NPC) if the number of truck trips exceeds 150 adt.

Response

As described in the Environmental Notification Form (ENF), the original project consisted of the construction of a 15,750 square foot (sf) transfer station facility that would receive and transfer 350 tons per day (TPD) of construction and demolition (C&D) waste and municipal solid waste (MSW).

We received the MEPA Certificate Letter dated March 27, 2023, indicating that the project does not require the preparation of an Environmental Impact Report (EIR). Over the past year, there have been changes to the project. As requested by the MassDEP, we submitted an informal letter to MEPA to ask if a Notice of Project Change (NPC) would be required. In that letter we provided the details of revised project description.

On August 13, 2024, we received an email from MEPA included as Attachment A, indicating that MEPA regulations require an NPC where there is a change of 25% of the level specified in any review threshold. The lowest land threshold pursuant to 301 CMR 11.03(1)(b) is 25 acres; therefore, a change of 4,400 sf would be well below 25% or 272,250 sf. MEPA regulations also require an NPC if the physical dimensions of the project exceed 10% of those previously reviewed. Based on the reduction in the physical dimensions of the project, over estimates previously reviewed, including a reduction in the associated impacts (C&D and traffic), the project change does not require a project change and may proceed to permitting without further MEPA review.

The following is a summary identifying the revised project change, quantifying the total tonnage anticipated, and changes in estimated average daily trips.

Revised Project Description

The revised conceptual site plans in Attachment B call for a reduced transfer station facility size of 11,800 square feet that will receive and transfer only 270 TPD of C&D waste material. Only C&D waste material will be accepted for transfer. No MSW will be accepted. The new facility size will allow for better exterior vehicle circulation, access, and egress. The Facility will operate up to 6 days per week, 12 hours per day.

Please find attached revised conceptual site plans that show the smaller transfer building and layout. The primary facility vehicle entrance, which will be used by all customers and EWS vehicles bringing C&D waste material to the site, is now located in the northern corner of the site and allows for a one-way traffic flow pattern around the proposed transfer building. The northern entrance also provides sufficient queuing for more than four (4) delivery trucks on the approach to the scale in addition to additional queuing space between the scale and the ramp up to the proposed transfer building. The primary facility exit for all customers and EWS vehicles bringing C&D waste material to the site will be located in the western corner of the site, just southwest of the existing truck scale.

Transfer trailers will enter the site from the western corner, be weighed using a separate pit scale located in the transfer tunnel and exit through a dedicated exit located at about the mid-point between the western and northern corners, just northeast of the existing scale.

The Proponent is also intending to remove 4,400 square feet of ledge from behind the transfer station building to allow vehicles to more easily access the building and allow for the city's largest fire truck to have complete access around the building. Because this material is competent ledge, there is little existing infiltration of stormwater. The proposed condition will direct stormwater to catch basins that will be connected to oil/water and particle separators. The proposed stormwater management system will be subject to the Gloucester Conservation Commission review and approval. Additional ledge will be removed from the northeast corner of the site. This side of the property is not part of the transfer station operations and is not included in the transfer station site assignment area.

Eastern Waste Services' business model is to service waste haulers and rent containers to contractors and businesses in the Cape Ann area, in which EWS will transfer, and arrange for recycling or disposal. Tetra Tech used six (6) full days of scale data from a firm with a similar business model to estimate the average weight of C&D waste material per container.

Revised Traffic

The revised traffic data reflects an average container weight of 4.97 tons. The traffic data is similar to other facilities. At the reduced tonnage requested of 270 TPD, Tetra Tech estimates that the future transfer station facility will generate 136 additional average daily trips (adt). (Note: this is below the original adt count previously submitted.) This revised estimate assumes all vehicles use diesel fuel. Table 1-1 below provides a summary of the estimated vehicle trips.

Table 1-1 Estimate Average Daily Trips (adt)

Vehicle One-ways	Vehicle Roundtrips
10 Existing Employee Vehicles	20 Existing Employee Vehicles
54 Additional adt of Diesel Trucks	108 Additional adt of Diesel Trucks
9 Additional adt of Diesel Transfer Trailers	18 Additional adt of Diesel Transfer Trailers
5 Additional adt of Diesel Pick-up Trucks	10 Additional adt of Diesel Pick-up Trucks
Total: 68 Additional Daily Trips	Total: 136 Additional Daily Trips

As stated above, Tetra Tech assumed that all additional vehicles use diesel fuel. With the requested tonnage reduced to 270 TPD, the facility will remain below the 150 adt diesel threshold per of 301 CMR 11.03(8)(a) and (b). Additionally, as more companies migrate to alternative-fuel vehicles, it is expected that the number of daily diesel trips will decline throughout the life of the proposed facility.

b. Private Water Supply Wells

The Applicant and Tetra Tech submitted an e-mail FOIA request on 10/23/2023 to the City of Gloucester Health Department for a list of private water supply wells in proximity to the proposed waste handling area. In an email response dated 10/31/2023 from the Gloucester Health Department indicated that based on a review of their well and septic files that there is a private water supply well at 25 Kondelin Road. This property is owned by the Applicant and its company, DLM Properties. The Gloucester Health Department also indicated that there may be a well at 23 Kondelin Road, but it is likely that this is the same well identified as 25 Kondelin Road. The Applicant contacted the property owner of 23 Kondelin Road, and they indicated that they are on city water. The Gloucester Health Department Private Wells communications and Abutter email can be found in Attachment C.

In addition, the Health Department list of wells indicates that there are non-potable wells at 24 Kondelin Road and 25 Kondelin Road. Both properties are owned by the Applicant and its company, DLM Properties.

Tetra Tech conducted a site visit to locate the private water supply wells and located the well at 25 Kondelin Road. As shown on Figure 1 in Appendix C, the private water supply well at 25 Kondelin Road is on the west side of the property. The well is located 327 feet downgradient from the waste handling area; the well location is side-gradient to road and to the flow of water.

This well is currently used for truck wash down and the water is collected in a 2,000 gallon septic holding tank. The well is not used as a drinking water source. There is city water used at this property for the bathroom and drinking water uses. No private water supply well was located at 24 Kondelin Road. The Applicant pays a municipal water bill for both properties at 24 Kondelin Road and 25 Kondelin Road, and copies of these water bills are included in Attachment C.

c. *Potential Air Quality Impacts (from Technical Review Comments submitted by Weston and Sampson and MassDEP recommended to provide further detail on the air filtration system):*

The Applicant should also clarify if the proposed building will have exhaust fans and filtration systems to collect and filter air within the building, and whether the facility doors will be closed during off-hours and between shipments to limit emissions of dust/odors from the building.

Response

The proposed building will receive vehicles that will unload (tip) C&D waste materials on the floor to be pushed and loaded into transfer trailers for hauling to off-site C&D waste materials processing, recycling, or disposal facilities. Dust that may be generated as part of management and loading activities will be controlled via water misting systems and/or exhaust fan/filter unit(s). As an industrial operation, OSHA will require a minimum of four (4) air changes per hour. As such, the Facility is proposed to be equipped with a ventilation system consisting of exhaust fans, particulate filters, and intake louvers, which will be located on its exterior walls. The conceptual design calculations for the Facility provide approximately five (5) air changes per hour in the operational areas. The Facility shall be operated so as not to release dust or odors resulting in nuisance condition and/or a condition of air pollution as defined at 310 CMR 7.00, including as-needed use of the misting system for dust suppression, regular maintenance and housekeeping of exterior surfaces, and maintenance of the exhaust fan/filter system in accordance with manufacturer recommendations.

Doors will remain open during operation to support operations and provide makeup air for the ventilation system, and will be closed when not in use during off-hours. Air intake louvers will be installed to provide necessary makeup air for the exhaust fans should the doors be closed during fan operation.

At this conceptual design stage, typical equipment has been specified to demonstrate the intent of the proposed air quality control system to provide air changes and particulate filtration. Included in Attachment D are calculations to demonstrate air exchange and provide typical specifications for fan/filter unit(s) with washable industrial air filters designed to provide efficient dirt and dust-trapping performance.

Residential Recycling Area

Additionally, MassDEP has asked us to include options for the residential recycling area with the conceptual site plan submissions. We have included two (2) options in Attachment E for your review. For each option, we assessed vehicle movement, traffic flow, and the convenience for residents to unload and deposit their recyclables into the designated containers. Additionally, we demonstrate the operations of the proposed residential recycling area operations. Each container will have clear signage and instructions, as well as staffing to oversee residential unloading. The Facility will operate up to 6 days per week, 12 hours per day but it is expected that unloading of residential vehicles typically will be restricted to Saturdays between 6:00 a.m. and

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12:00 p.m. As shown in Options 1 and 2, residents will enter and exit using the same traffic pattern as typical commercial traffic. The property is currently operating in a similar manner for the acceptance of residential recyclable materials and this type of traffic is part of the existing conditions.

EWS is also mindful of the possibility that residents might have C&D waste material to unload at the Facility. Should residential vehicles with C&D waste materials unload within the transfer station building, other vehicular and machinery movement will be restricted until residents have left the Facility Tipping Floor. While residents will be encouraged to utilize the Facility during dedicated residential hours on Saturdays between 6:00 a.m. and 12:00 p.m., EWS intends to accommodate residential customers at other times provided that adequate staffing is available to safely oversee residential vehicle maneuvering.

There may be occasions where commercial vehicles may also access the facility to unload C&D waste materials on Saturdays, primarily under emergency conditions and surrounding holidays. EWS has operational control over many of the commercial vehicles expected at the facility, via Hiltz Waste Disposal, allowing coordination of residential and commercial operations when the need arises. The Facility will be adequately staffed and will have a dedicated traffic coordinator to oversee safe operations, especially at times where residential and commercial vehicles are present on site.

Should you have questions please contact me at (845) 695-0297 or email me at debra.darby@tetratech.com.

Sincerely,

CORNERSTONE ENVIRONMENTAL GROUP, LLC – A TETRA TECH COMPANY



Debra Darby
Client Manager

Enclosures:

- Attachment A: MEPA email August 13, 2024
- Attachment B: Revised Conceptual Site Plans
- Attachment C: Gloucester Health Department Private Wells Communications, Abutter email, and
copies of municipal water bills
- Attachment D: Air Calculation and Equipment
- Attachment E: Residential Recycling Area options 1 and 2

ATTACHMENT A: MEPA EMAIL AUGUST 13, 2024

From: [Hughes, Jennifer \(EEA\)](#)
To: [Darby, Debra](#)
Cc: [Moreno, Nicholas \(EEA\)](#); [MEPA \(EEA\)](#)
Subject: RE: MEPA Consultation Session - EEA#16669 Essex County Recycling Center - proposed changes
Date: Tuesday, August 13, 2024 2:19:54 PM

CAUTION: This email originated from an external sender. Verify the source before opening links or attachments.

Hi Debra,

As described, and per the revised plan, the size of the transfer station facility has been reduced to 11,800 square feet (sf)(a decrease of 3,950 sf from the ENF) which will allow for better exterior vehicle circulation, access, and egress. Additionally, the facility will now only receive construction and demolition (C&D) waste material (no municipal solid waste will be accepted) at a reduced daily tonnage of 270 tons per day (a decrease of 80 tons per day). At the reduced tonnage, it is estimated that the transfer station facility will generate a total of 136 new average daily trips (adt)(a decrease of 4 adt from the ENF). In addition, the Proponent proposes to remove 4,400 sf of ledge from behind the transfer station building to improve vehicle circulation and emergency vehicle access.

MEPA regulations require an NPC where there is a change of 25% of the level specified in any review threshold. The lowest land threshold pursuant to 301 CMR 11.03(1)(b) is 25 acres; therefore, a change of 4,400 sf would be well below 25% or 272,250 sf. MEPA regulations also require an NPC if the physical dimensions of the project exceed 10% of those previously reviewed. Based on the reduction in the physical dimensions of the project, over estimates previously reviewed, including a reduction in the associated impacts (C&D and traffic), the project change does not require a project change and may proceed to permitting without further MEPA review.

Jennifer Hughes
Deputy Director
Massachusetts Environmental Policy Act (MEPA) Office
100 Cambridge Street | Boston, MA 02114 | 617.455.7063

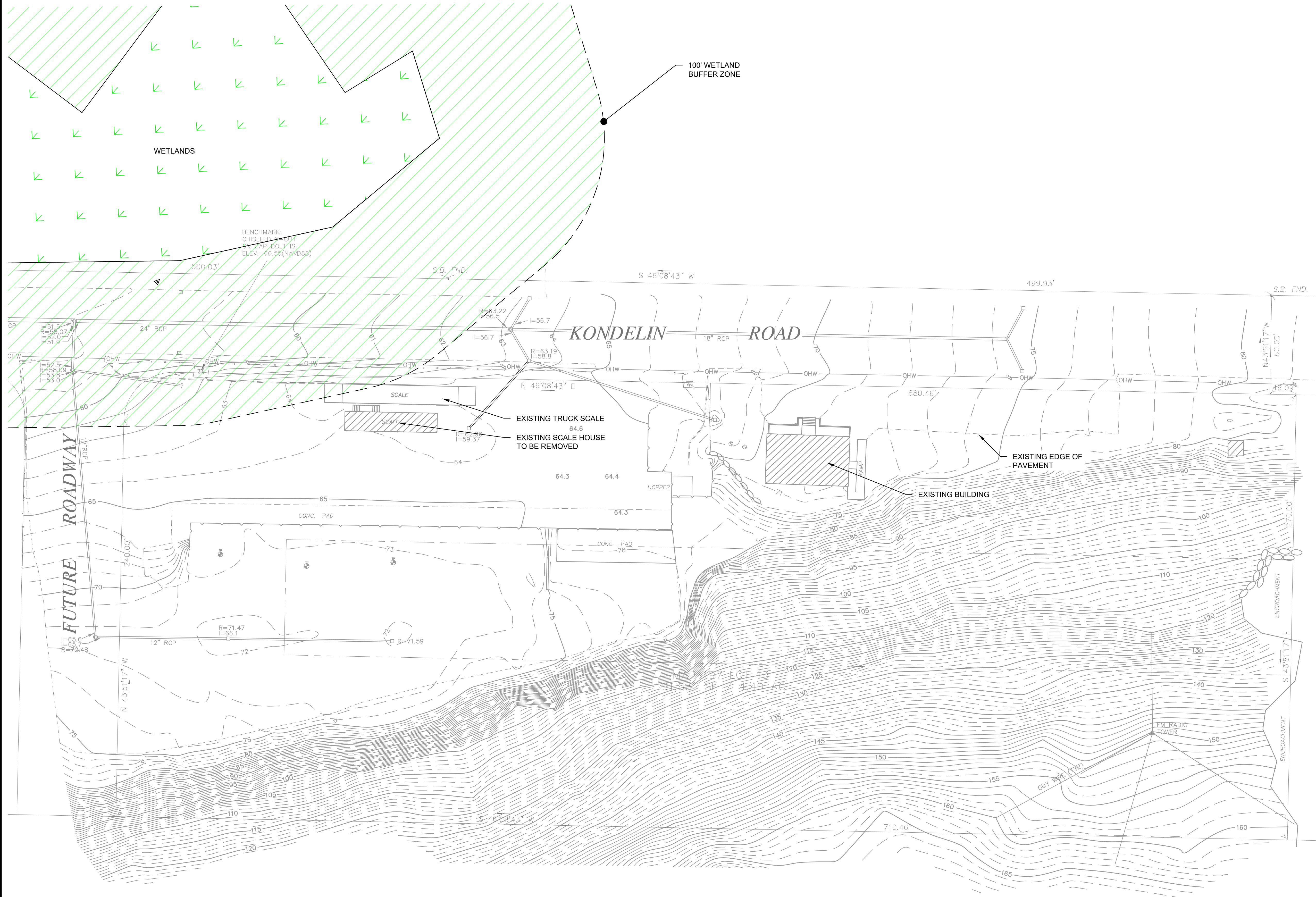
The MEPA Office has issued straw proposals to update the [2010 MEPA Greenhouse Gas Emissions Policy and Protocol](#) and the [2021 MEPA Interim Protocol on Climate Change Adaptation and Resiliency](#).

*The straw proposals are available on the [MEPA website](#), and public comments are due by **September 16, 2024** (to MEPA-regs@mass.gov).*

From: Darby, Debra <debra.darby@tetrattech.com>
Sent: Monday, May 20, 2024 10:20 AM
To: Moreno, Nicholas (EEA) <Nicholas.Moreno@mass.gov>
Cc: Christopher Oser <chrisox@newaste.llc>; Paul Hardiman <phardiman@hiltzdisposal.com>;

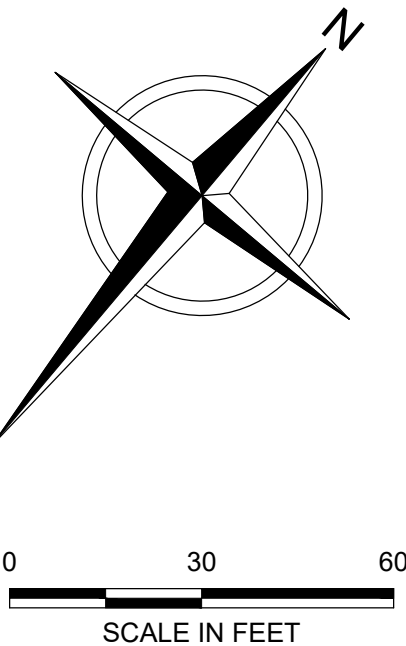
ATTACHMENT B: REVISED CONCEPTUAL SITE PLANS

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- LEGEND**
- OHW — OVERHEAD WIRES
 - CHAIN LINK FENCE
 - RETAINING WALL
 - == BIT. CONC. CURBING
 - - - EDGE OF PAVING
 - - - CONTOUR LINE
 - 64.3 SPOT ELEVATION
 - ⊙ SEWER MAN HOLE
 - ⊙ DRAINAGE MAN HOLE
 - CATCH BASIN
 - ⊙ STREET LAMP
 - ⊙ HYDRANT
 - ⊙ UTILITY POLE
 - ⊙ TEST PIT
 - ⊙ STONE BOUND
 - DEP WETLAND
 - 100' WETLAND BUFFER ZONE

- NOTES:**
- EXISTING CONDITIONS SURVEY PERFORMED BY COUNTY LAND SURVEYS, INC., DATED NOVEMBER 25, 2022. TETRA TECH HAS NOT RESURVEYED TO VERIFY ACCURACY OF SAME.
 - WETLAND BOUNDARIES AND WETLAND HYDRAULIC CONNECTIONS / INTERMITTENT STREAMS WERE ACQUIRED FROM THE MASSMAPPER DEP WETLANDS LINEAR FEATURES AND USGS RIVERS AND STREAMS 25K LAYERS. BOUNDARIES WERE OVERLAID ON THE SURVEY MAP.
 - DATA FROM MASSMAPPER WAS ACCESSED IN SEPTEMBER, 2022.



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MARK SWYKA, P.E.

[Signature] 10-8-24

MA P.E. Lic. No. 46691 Date

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1	OCT. 2024					
DRAWN BY JLB			CHECKED BY BPF			
DESIGNED BY CMK/DCD			APPROVED BY MAS			

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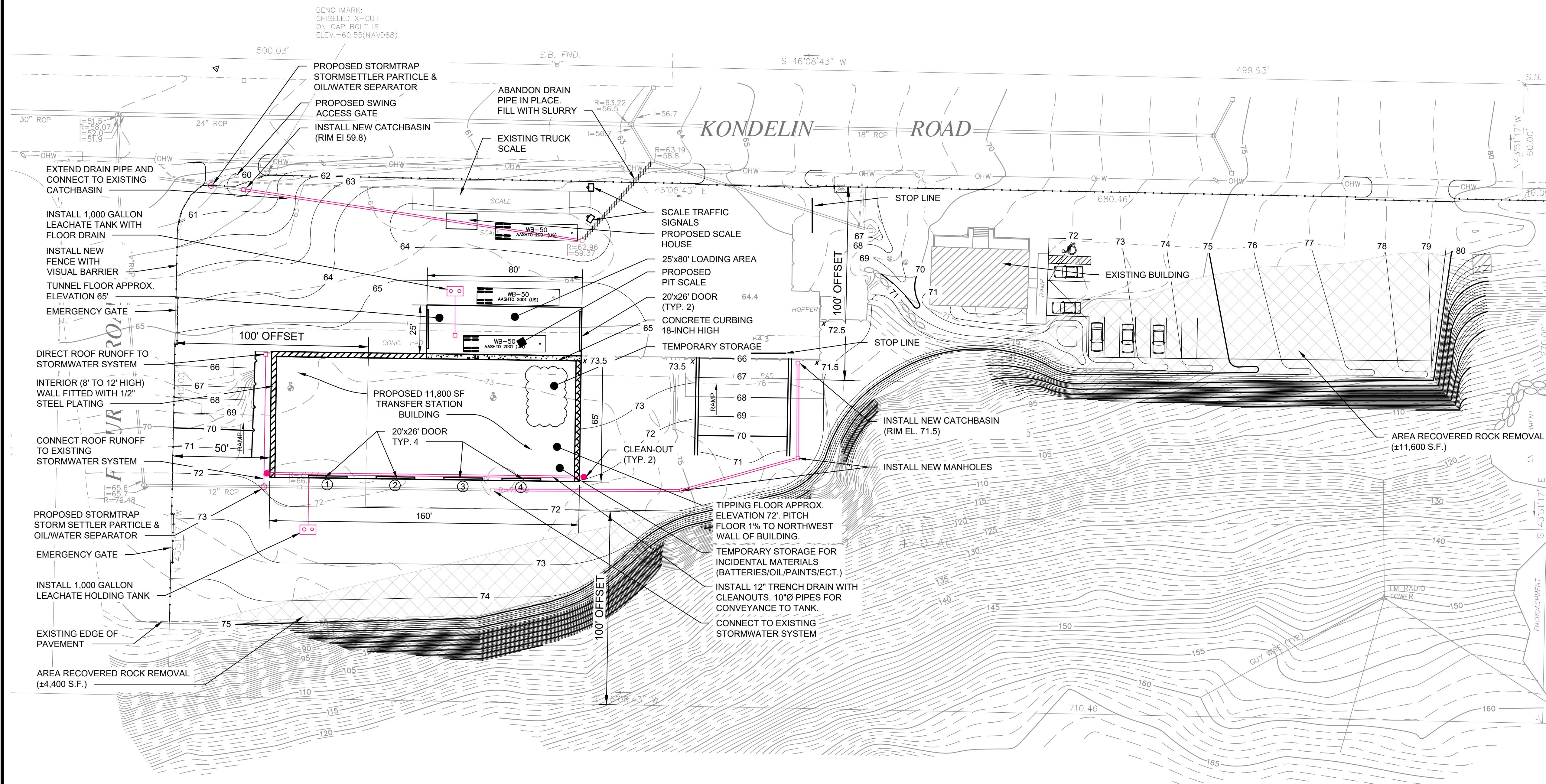
EASTERN WASTE SERVICES
TRANSFER STATION CONCEPT
CITY OF GLOUCESTER, MA

EXISTING CONDITIONS PLAN



















SHEET NO.
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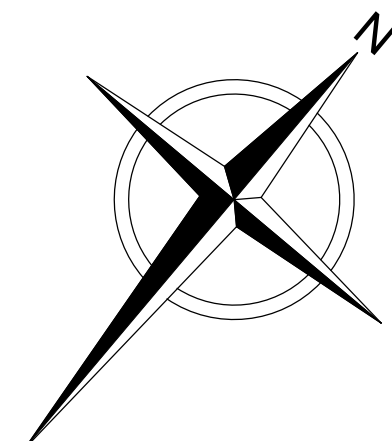


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|  | UTILITY POLE |
|  | TEST PIT |
|  | STONE BOUND |
|  | PROPOSED BUILDING |
|  | DEP WETLAND |
|  | 100' WETLAND BUFFER ZONE |
|  | BLASTING AREA |

NOTES:

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2. WETLAND BOUNDARIES AND WETLAND HYDRAULIC CONNECTIONS / INTERMITTENT STREAMS WERE ACQUIRED FROM THE MASSMAPPER DEP WETLANDS LINEAR FEATURES AND USGS FLOOD AND STREAM DATA. 25' BUFFER BOUNDARIES WERE OVERLAIN ON THE SURVEY MAP.
3. DATA FROM MASSMAPPER WAS ACCESSED IN SEPTEMBER, 2022.



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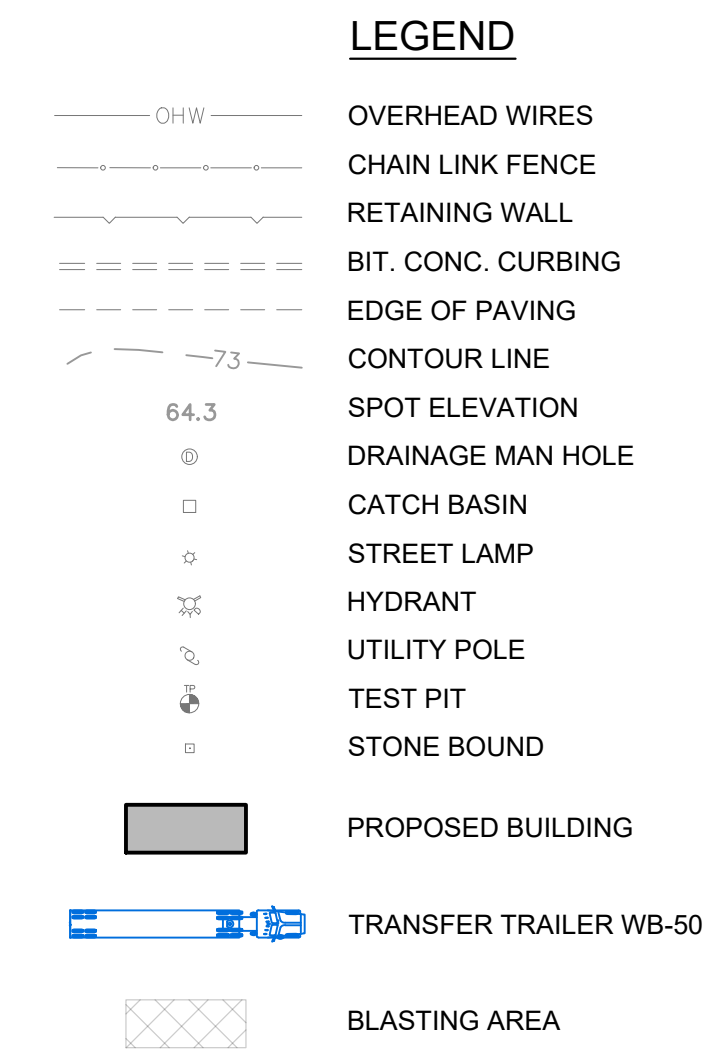
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CITY OF GLOUCESTER, MA

PROPOSED CONDITIONS PLAN

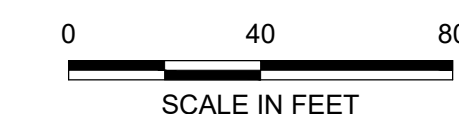
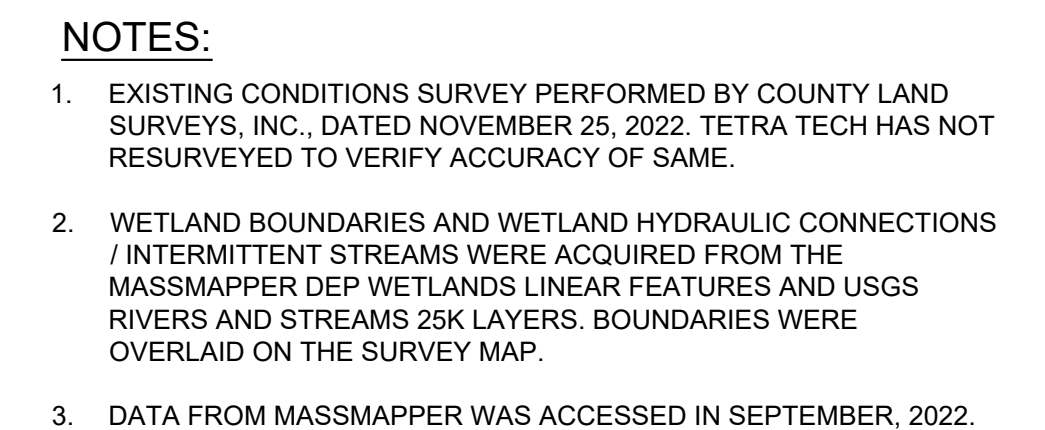
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SCALE: 1"= 40'-0"

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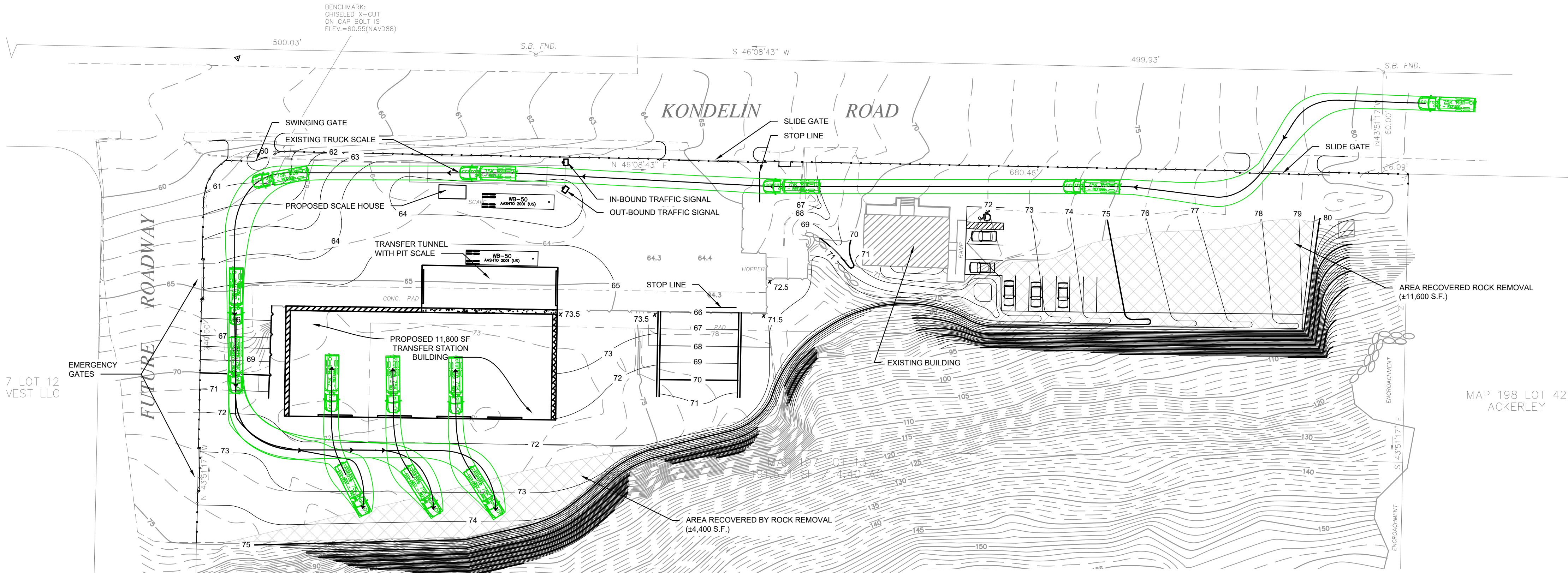
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LEGEND

- OHW — OVERHEAD WIRES
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BLASTING AREA

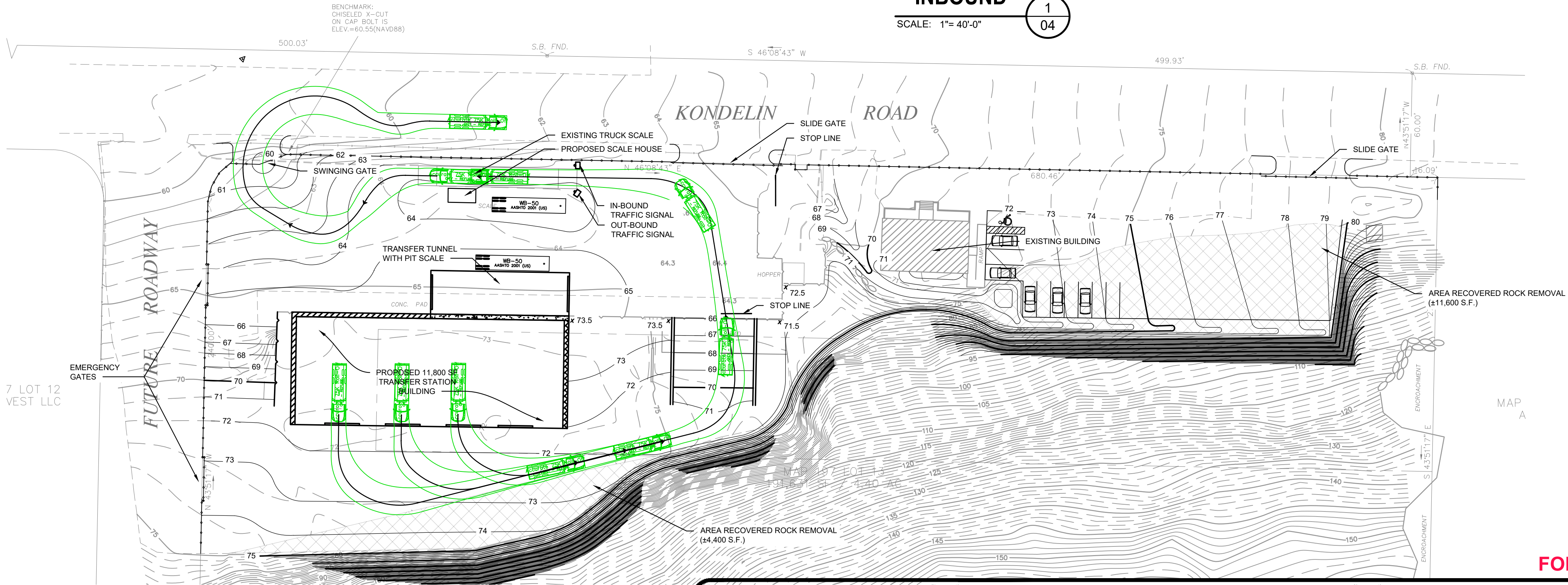


ROLL-OFF TRUCK TURNING MOVEMENT

INBOUND

SCALE: 1"= 40'-0"

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ROLL-OFF TRUCK TURNING MOVEMENT

OUTBOUND

SCALE: 1"= 40'-0"

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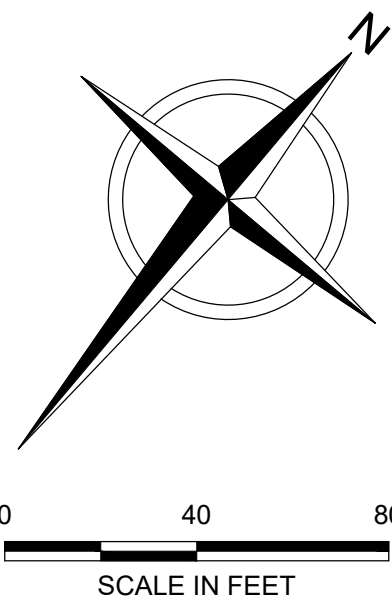
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ROLL-OFF TRUCK
TURNING MOVEMENT PLAN

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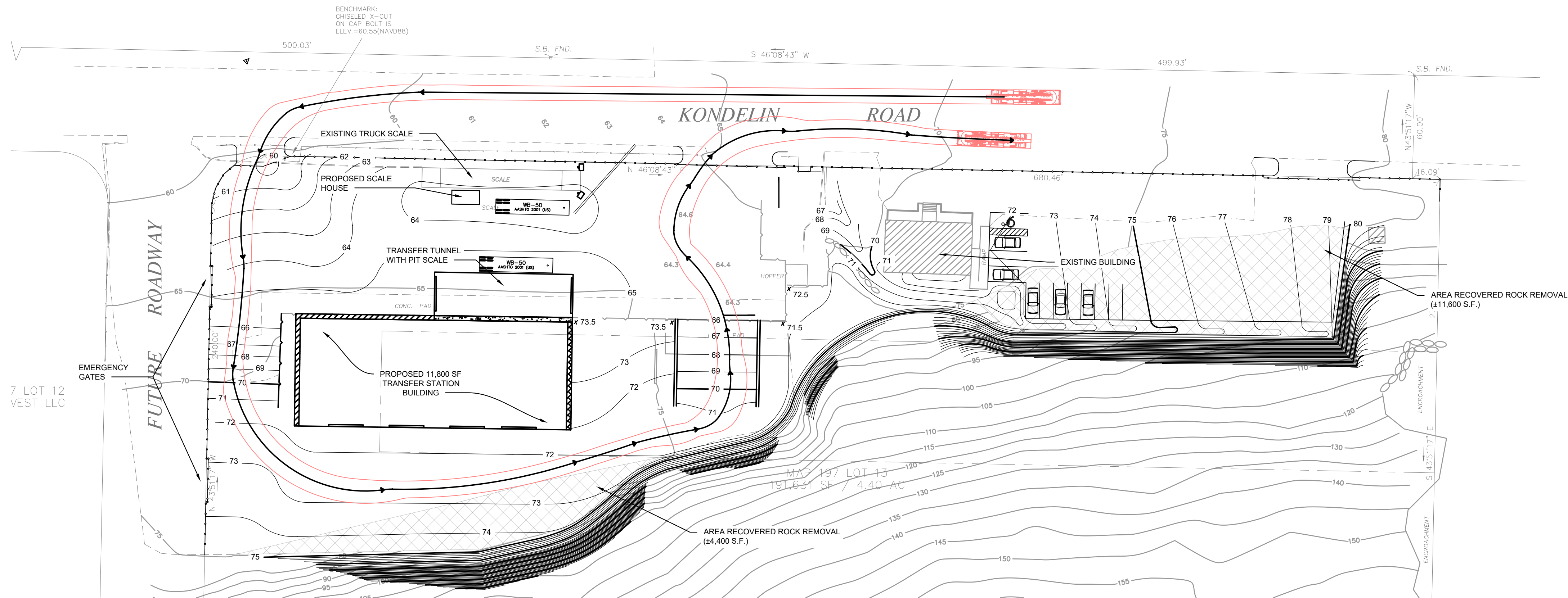
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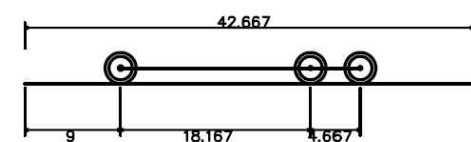
FIRE TRUCK TURNING MOVEMENT

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- ⊙ TEST PIT
- ⊙ STONE BOUND
- PROPOSED BUILDING
- ▨ BLASTING AREA
- 🚒 FIRE TRUCK

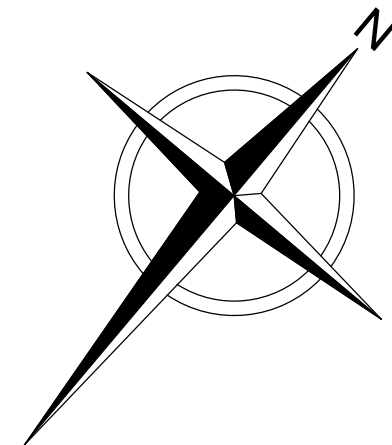
LADDER TRUCK DIMENSIONS



Gloucester Ladder Truck
Overall Length 42,667ft
Overall Width 9,333ft
Overall Body Height 1,488ft
Min Body Ground Clearance 1,488ft
Track Width 8,500ft
Lock-to-lock time 6.00s
Max Steering Angle (Virtual) 37.60°

NOTES:

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- WETLAND BOUNDARIES AND WETLAND HYDRAULIC CONNECTIONS / INTERMITTENT STREAMS WERE ACQUIRED FROM THE MASSMAPPER DEP WETLANDS LINEAR FEATURES AND USGS RIVERS AND STREAMS 25K LAYERS. BOUNDARIES WERE OVERLAID ON THE SURVEY MAP.
- DATA FROM MASSMAPPER WAS ACCESSED IN SEPTEMBER, 2022.



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SCALE IN FEET

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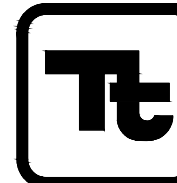
MARK SWYKA, P.E.

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DESIGNED BY CMK/DGD			APPROVED BY MAS			



TETRA TECH

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EASTERN WASTE SERVICES
TRANSFER STATION CONCEPT
CITY OF GLOUCESTER, MA

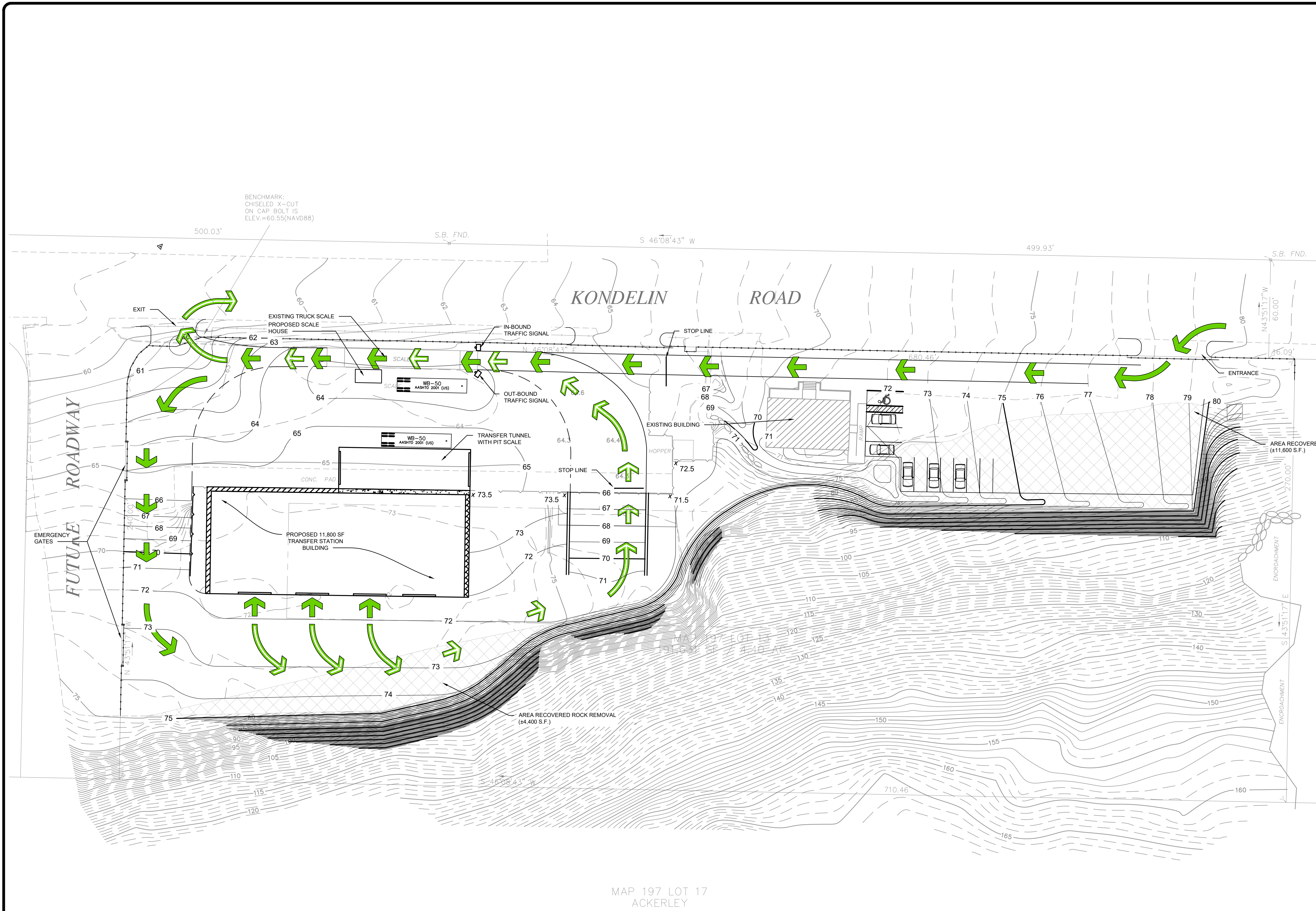
FIRE TRUCK
TURNING MOVEMENT PLAN

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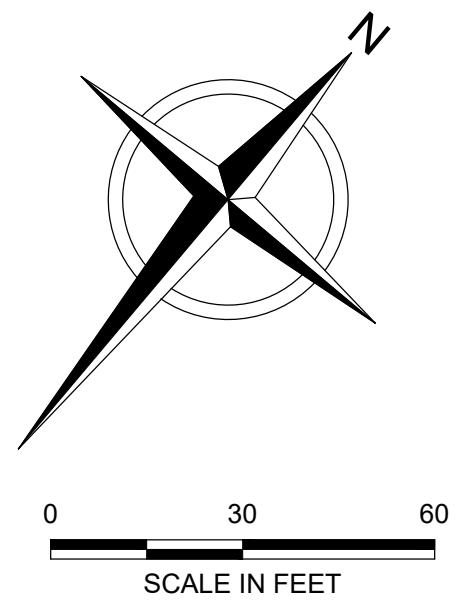
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File: K:\PROJECTS\EASTERN WASTE SERVICES\2022-23 SITE PLAN AND CONCEPT DESIGN\Project Drawings\Site Condition Plans_Reviewed.dwg Layout: Flow of Traffic Plan User: JUSTIN BOYD Oct 08, 2024 - 2:03pm



- LEGEND**
- OHW — OVERHEAD WIRES
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 - CATCH BASIN
 - ⊕ STREET LAMP
 - ⊕ HYDRANT
 - ⊕ UTILITY POLE
 - ⊕ TEST PIT
 - ⊕ STONE BOUND
 - PROPOSED BUILDING
 - ▨ BLASTING AREA
 - ➡ LOADED VEHICLE FLOW PATH
 - ➡ EMPTY VEHICLE FLOW PATH

- NOTES:**
- EXISTING CONDITIONS SURVEY PERFORMED BY COUNTY LAND SURVEYS, INC., DATED NOVEMBER 25, 2022. TETRA TECH HAS NOT RESURVEYED TO VERIFY ACCURACY OF SAME.
 - WETLAND BOUNDARIES AND WETLAND HYDRAULIC CONNECTIONS / INTERMITTENT STREAMS WERE ACQUIRED FROM THE MASSMAPPER DEP WETLANDS LINEAR FEATURES AND USGS RIVERS AND STREAMS 25K LAYERS. BOUNDARIES WERE OVERLAID ON THE SURVEY MAP.
 - DATA FROM MASSMAPPER WAS ACCESSED IN SEPTEMBER, 2022.



FOR PERMITTING PURPOSE ONLY - NOT FOR CONSTRUCTION

MARK SWYKA, P.E.

[Signature] 10-8-24

MA P.E. Lic. No. 46691 Date

REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY
1	OCT. 2024		JLB	CMK/DCD	BPF	MAS

TETRA TECH

ALL PROFESSIONAL ENGINEERING WORK IS PERFORMED BY FULLY LICENSED PROFESSIONAL ENGINEERS UNDER THE APPROPRIATE STATE REGISTERED PROFESSIONAL ENTITY.

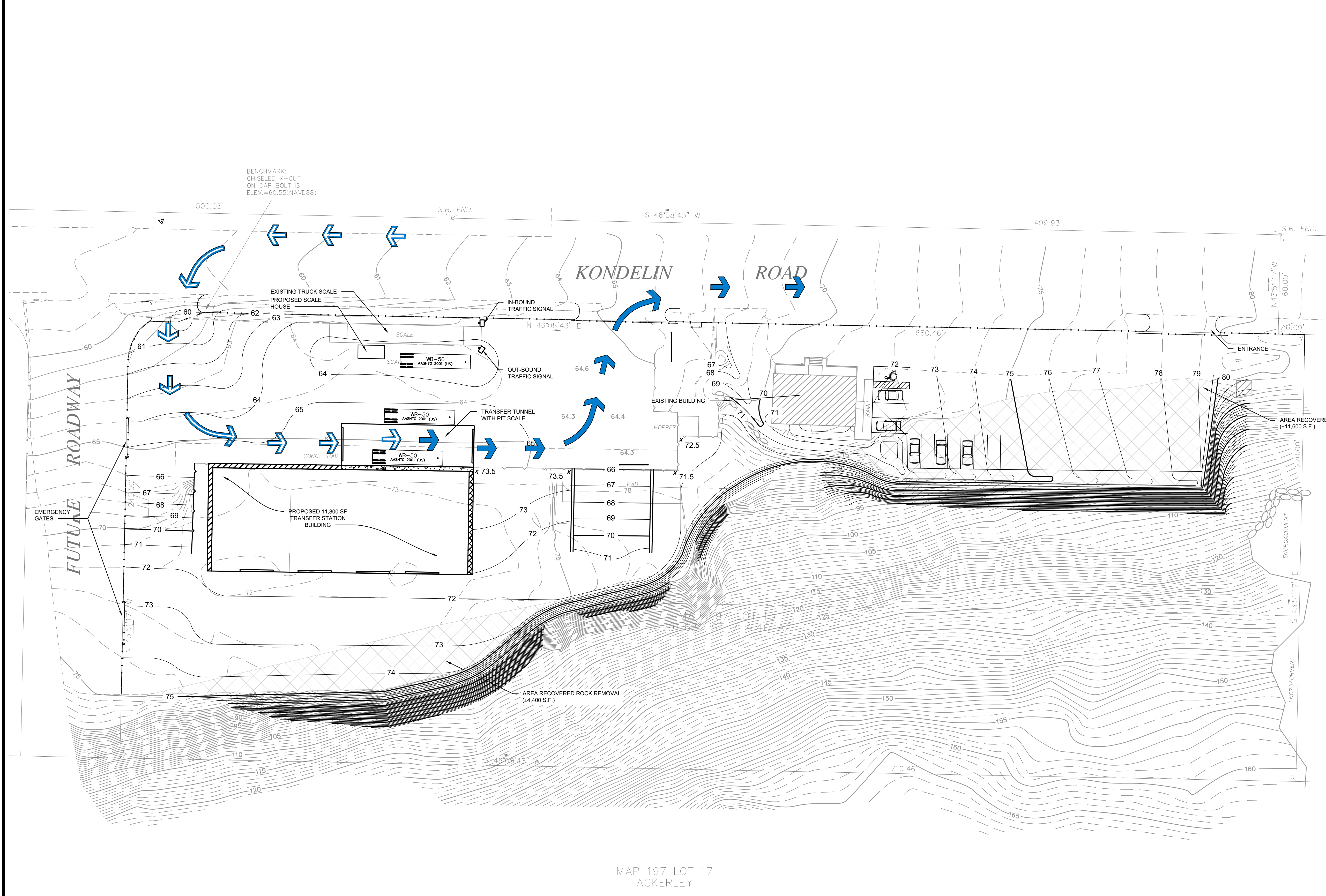
EASTERN WASTE SERVICES
TRANSFER STATION CONCEPT
CITY OF GLOUCESTER, MA

**ROLL-OFF TRUCK FLOW OF TRAFFIC
AND GRADING PLAN**

SHEET NO.
6A

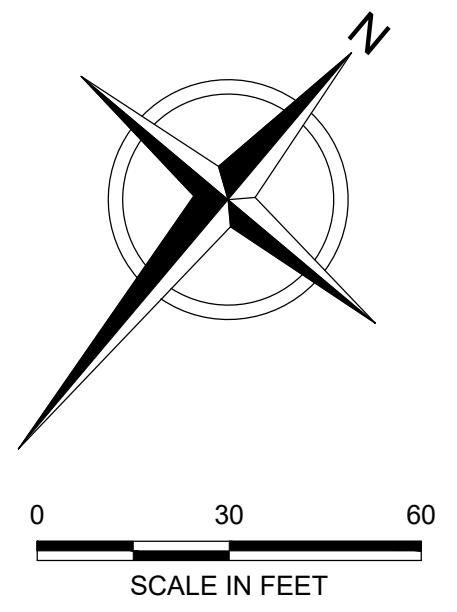
PROJECT NO.
4223523

File: K:\PROJECTS\EASTERN WASTE SERVICE\2022-17 SITE PLAN AND CONCEPT DESIGN\Project Drawings\Site Condition Plans_Reviewed.dwg Layout: FLOW OF TRAFFIC PLAN (D User: JUSTIN BORDO Oct 08, 2024 - 2:05pm



- LEGEND**
- OHW — OVERHEAD WIRES
 - CHAIN LINK FENCE
 - RETAINING WALL
 - == BIT. CONC. CURBING
 - - - EDGE OF PAVING
 - - - CONTOUR LINE
 - 64.3 SPOT ELEVATION
 - ⊙ DRAINAGE MAN HOLE
 - CATCH BASIN
 - ⊕ STREET LAMP
 - ⊕ HYDRANT
 - ⊕ UTILITY POLE
 - ⊕ TEST PIT
 - ⊕ STONE BOUND
 - PROPOSED BUILDING
 - ▨ BLASTING AREA
 - ➡ LOADED VEHICLE FLOW PATH
 - ➡ EMPTY VEHICLE FLOW PATH

- NOTES:**
- EXISTING CONDITIONS SURVEY PERFORMED BY COUNTY LAND SURVEYS, INC., DATED NOVEMBER 25, 2022. TETRA TECH HAS NOT RESURVEYED TO VERIFY ACCURACY OF SAME.
 - WETLAND BOUNDARIES AND WETLAND HYDRAULIC CONNECTIONS / INTERMITTENT STREAMS WERE ACQUIRED FROM THE MASSMAPPER DEP WETLANDS LINEAR FEATURES AND USGS RIVERS AND STREAMS 25K LAYERS. BOUNDARIES WERE OVERLAID ON THE SURVEY MAP.
 - DATA FROM MASSMAPPER WAS ACCESSED IN SEPTEMBER, 2022.



MAP 197 LOT 17
ACKERLEY

FOR PERMITTING PURPOSE ONLY - NOT FOR CONSTRUCTION

MARK SWYKA, P.E.

MA P.E. Lic. No. 46691 Date 10-8-24

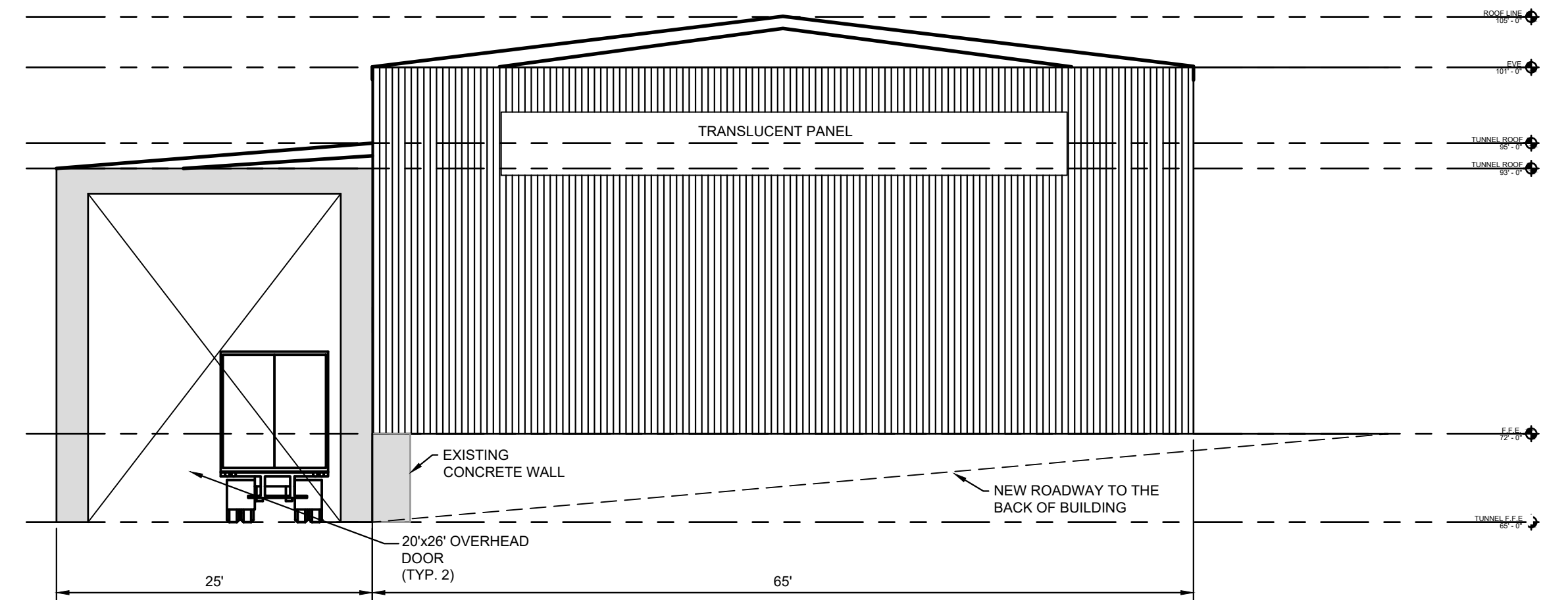
REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY
1	OCT. 2024					
DRAWN BY JLB DESIGNED BY CMK/DCD			CHECKED BY BPF APPROVED BY MAS			

TETRA TECH
ALL PROFESSIONAL ENGINEERING WORK IS PERFORMED BY FULLY LICENSED PROFESSIONAL ENGINEERS UNDER THE APPROPRIATE STATE REGISTERED PROFESSIONAL ENTITY.

EASTERN WASTE SERVICES
TRANSFER STATION CONCEPT
CITY OF GLOUCESTER, MA
**TRANSFER TRAILER WB-50 FLOW
OF TRAFFIC AND GRADING PLAN**

SHEET NO.
6B
PROJECT NO.
4223523

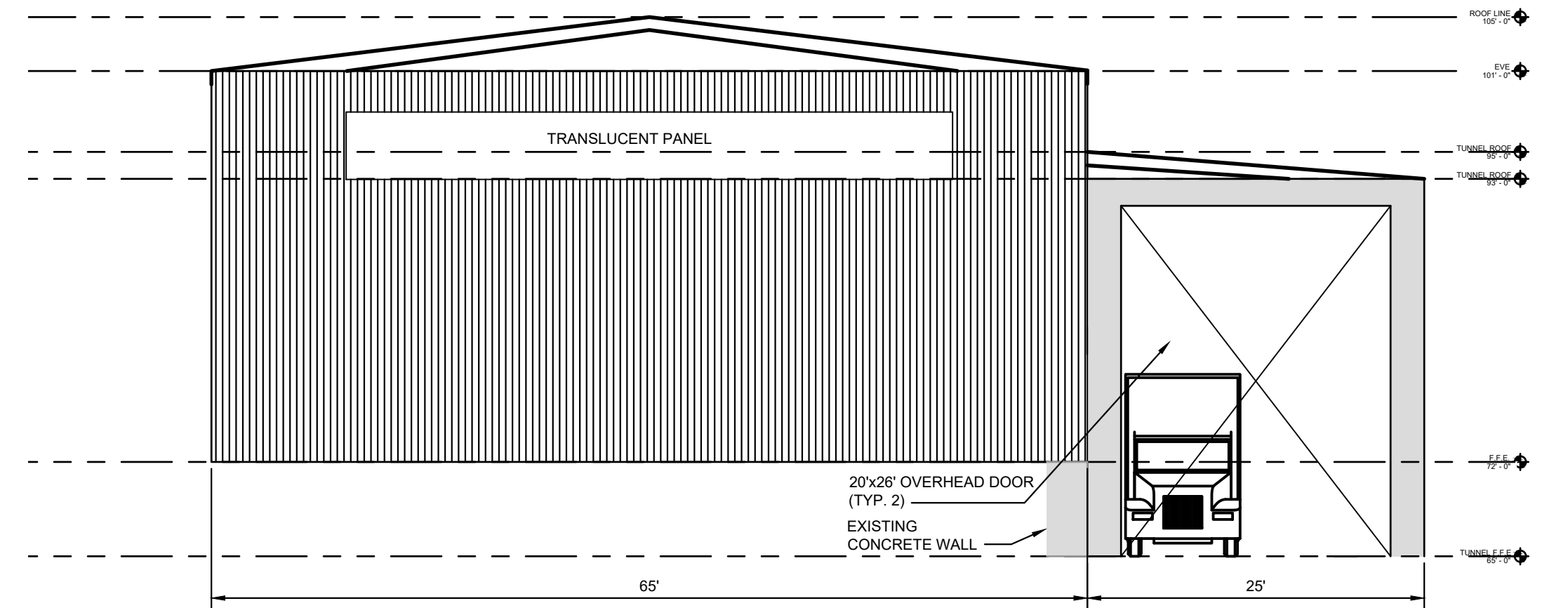
This drawing represents intellectual property of Tetra Tech. Any modification to the original by other than Tetra Tech personnel violates its original purpose and as such is rendered void. Tetra Tech will not be held liable for any changes made to this document without express written consent of the originator.



WEST SIDE
ELEVATION

SCALE: 1"= 10'-0"

3
07




EAST SIDE

ELEVATION

SCALE: 1"= 10'-0"

4
07

MARK SWYKA, P.E.

 10-8-24

MA P.E. Lic. No. 46691 Date

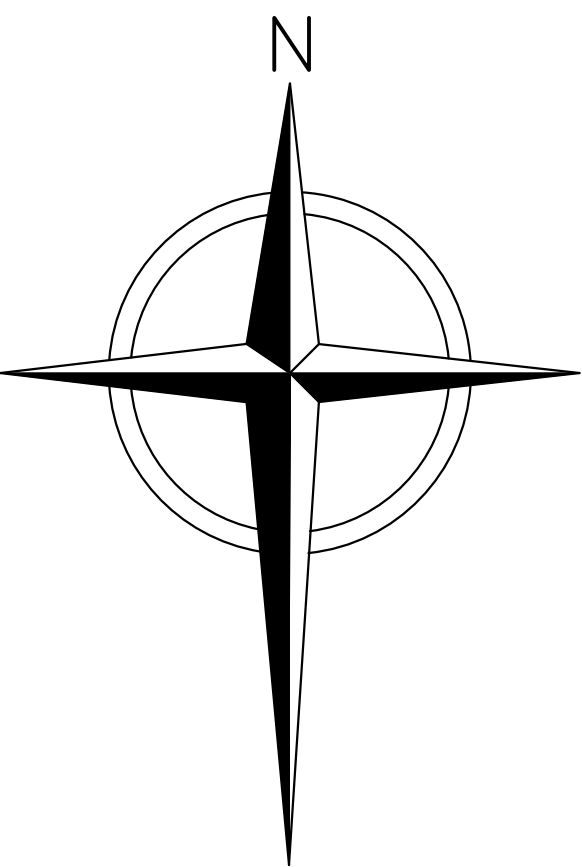
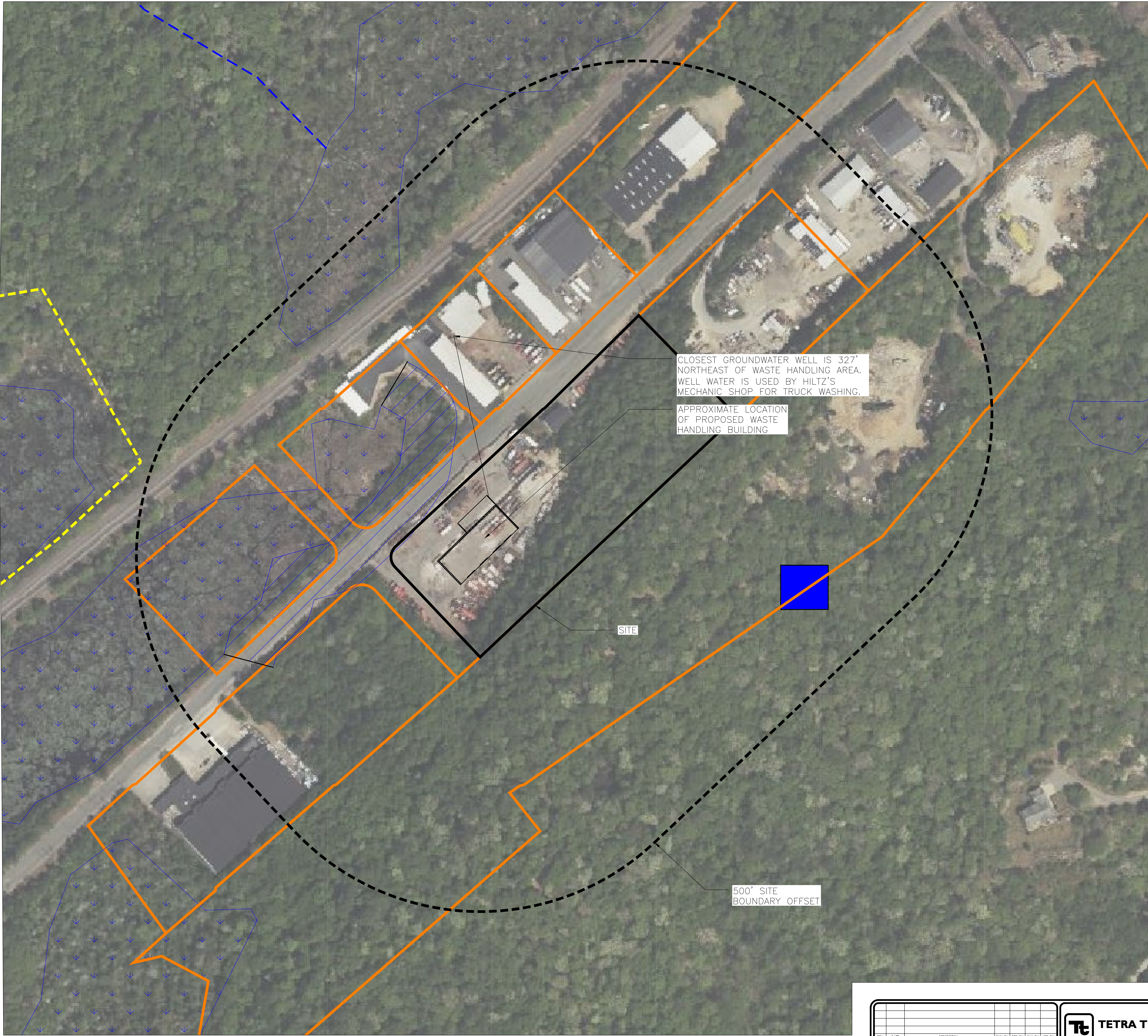


TETRA TECH

ALL PROFESSIONAL ENGINEERING WORK IS PERFORMED BY DULY LICENSED PROFESSIONAL ENGINEERS UNDER THE PROVISIONS OF THE REGISTERED PROFESSIONAL ACT.

SHEET NO.
7
PROJECT NO.
4223523

**ATTACHMENT C: GLOUCESTER HEALTH DEPARTMENT PRIVATE WELLS
COMMUNICATIONS AND ABUTTER EMAIL**



LEGEND

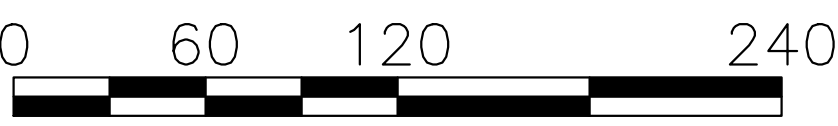
- SITE BOUNDARY
- 500' SITE BOUNDARY OFFSET
- ABUTTING PROPERTY LINE
- WETLAND HYDROLOGIC CONNECTION / INTERMITTENT STREAM
- DEP WETLAND
- 100' WETLAND BUFFER ZONE
- NHESP 2021 PRIORITY HABITAT
- POTENTIAL VERNAL POOL

FIGURE NOTES

- Base map image acquired from Microsoft Corporation, Maxar, and CNES Distribution Airbus DS, Dated 2022.
- Site boundary and abutting property boundaries acquired from the MassMapper Property Tax Parcels layer. Boundaries were overlaid on the base map.
- Wetland boundaries and wetland hydraulic connections / intermittent streams were acquired from the MassMapper DEP Wetlands Linear Features and USGS Rivers and Streams 25k layers. Boundaries were overlaid on the base map.
- Vernal pool locations were acquired from the MassMapper NHESP Certified Vernal Pools and Potential Vernal Pools layers. Boundaries were overlaid on the base map.
- Priority habitat areas were acquired from the MassMapper NHESP Priority Habitats of Rare Species layer. Boundaries were overlaid on the base map.
- Data MassMapper was accessed in September, 2022. NHESP Priority Habitat data from MassMapper was accessed in February, 2023.

SCALE

1" = 60'



SCALE IN FEET

REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY
1	OCT. 2024	DATE OF ISSUE	DCD			
		DRAWN BY	JLS			
		DESIGNED BY	CMK			
		CHECKED BY	DCD			
		APPROVED BY				



EASTERN WASTE SERVICES
TRANSFER STATION CONCEPT
CITY OF GLOUCESTER, MA

ENVIRONMENTAL CONSTRAINTS PLAN

FIGURE NO.

1

PROJECT NO.
4223523



Leslie Whelan <lwhelan@gloucester-ma.gov>

Re: list of private water supply wells

1 message

Leslie Whelan <lwhelan@gloucester-ma.gov>

Tue, Oct 31, 2023 at 2:30 PM

To: "Darby, Debra" <Debra.Darby@tetrattech.com>

Cc: Dominique Hurley <dhurley@gloucester-ma.gov>, Joe Rosa <josephrosa44@gmail.com>, tmullen@thomasamullenpc.com

Hi Debra,

A review of our well and septic files indicate that there is a well at 25 Kondelin Rd, shown on the asbuilt septic plan [here](#). There is a question as to whether the well is used for potable water, as indicated in the [letter from the Health Department, regarding the 2017 Title 5 inspection](#).

Our files also indicate that there may be a well at [23 Kondelin Rd](#), (See well registration form, 1992) however that may be the same well that is now identified as 25 Kondelin Rd, described above.

In addition, the Health Department's list of wells include [2 wells on Kondelin Rd](#). 24 Kondelin Rd and 25 Kondelin Rd are listed as having non-potable wells. Please note that #25's well might be in use as a drinking water source, as noted above.

Please let me know if you have any questions or need any additional information.

Thank you,
Leslie

Leslie Whelan, R.S.
Title 5 Sanitarian
Gloucester Health Department
City Hall Annex
3 Pond Road
Gloucester, MA 01930
978-325-5263

[Please visit our septic webpage for documents and reports](#)



On Mon, Oct 23, 2023 at 2:50 PM Darby, Debra <Debra.Darby@tetrattech.com> wrote:

Hi Leslie,

Here are some addresses to check:

- 21 Kondelin Road
- 23 Kondelin Road
- 25 Kondelin Road
- 27 Kondelin Road
- 28 Kondelin Road
- 29 Kondelin Road
- 32 Kondelin Road



On Mon, Oct 23, 2023 at 11:49 AM Darby, Debra <Debra.Darby@tetrattech.com> wrote:

Hi Leslie,

Thank you for your time this morning. I would like to request a list of private water supply wells in the City of Gloucester.

Kind regards,

Debra Darby

Debra Darby | CCP, TRUE Zero Waste Advisor | Manager, Organics Sustainability Solutions | Solid Waste East Office (845) 695-0297 | Mobile (978) 376-8879 | debra.darby@tetrattech.com

Tetra Tech | *Leading with Science*®

Local Office: 553 Washington Street, Gloucester, Massachusetts 01930

Corporate: 100 Crystal Run Road, Suite 101, Middletown, New York 10941 | tetrattech.com | tetrattech.com/waste

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Please consider the environment before printing. Read more



Public Records Law

Kind regards,

Debra

Debra Darby | CCP, TRUE Zero Waste Advisor | Manager, Organics Sustainability Solutions | Tetra Tech | Solid Waste East Direct (845) 695-0297 | Mobile (978) 376-8879 debra.darby@tetrattech.com

This message, including any attachments, may include privileged, confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.

From: Leslie Whelan <lwhelan@gloucester-ma.gov>
Sent: Monday, October 23, 2023 1:20 PM
To: Darby, Debra <Debra.Darby@tetrattech.com>
Subject: Re: list of private water supply wells

Hi Debra,

If you could give me the addresses that you are looking for, I will cross reference them against the various data sets that contain well location information.

Please let me know if you have any questions or need any additional information.

Thank you,

Leslie

Leslie Whelan, R.S.

Title 5 Sanitarian

Gloucester Health Department

City Hall Annex

3 Pond Road

Gloucester, MA 01930

978-325-5263

Please visit our septic webpage for documents and reports

Please be aware that all communications pertaining to City of Gloucester Massachusetts matters, including e-mail sent or received, are a public record subject to disclosure under the Massachusetts Public Records Law. If requested, e-mail may be disclosed to another party unless exempt from disclosure. E-mails are retained by the City of Gloucester in compliance with Massachusetts Public Records Retention Schedule. All Electronic messages sent through the City of Gloucester system are archived in conformance with the Massachusetts and federal Public Records law.

Wells - Health Department - Non-Potable

STREET_NO	STREET_NAM	MAP	LOT
24	KONDELIN RD	197	13
25	KONDELIN RD	197	18

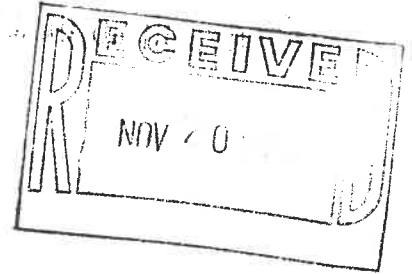


CITY OF GLOUCESTER

GLOUCESTER • MASSACHUSETTS • 01930

November 16, 1992

Jeffrey D. Magaw, P.E.
Waste Management of North America, Inc.
Eastern Region,
580 Edgewater Drive,
Wakefield, MA 01880-1253



Subject: **Well Registration Requirement for**

Proposed truck washing facility for Waste Management
of Gloucester, Inc., Kondelin Road, Gloucester, Mass.

Dear Mr. Magaw:

As part of the Board of Health conditions for approval of this project, the Board required that the private well on the property be registered. Enclosed is a well registration form, that can be completed and returned to this office. Please be advised that approval for construction and use of this proposed facility cannot be given until all conditions have been met.

Sincerely,

Robert J. Enos
Health Agent
City of Gloucester

2 DEC 92

GLOUCESTER

TO: BOB ENOS

FROM: JEFF MAGAW

BOARD OF HEALTH

ENCLOSED IS SUBJECT WELL REGISTRATION FORM. I SENT THIS
SOME TIME AGO TO YOU, BUT IT MAY HAVE BEEN LOST. WE ARE
STILL AWAITING DEP APPROVAL & WILL SEND TO YOU WHEN RECEIVED.
THANKS.



Well Registration Form

1

BOARD OF HEALTH CITY OF GLOUCESTER

This is copy
from well folder
for Kondelin Rd
map 197 Lot 10
(now 197/18)
#25?

Owner Waste Management of Gloucester RegistratAddress Cape Ann Industrial Park, Gloucester,Map Number 197 Lot Number 10Date of Well Installation 1984Dug Well _____ Drilled Well X

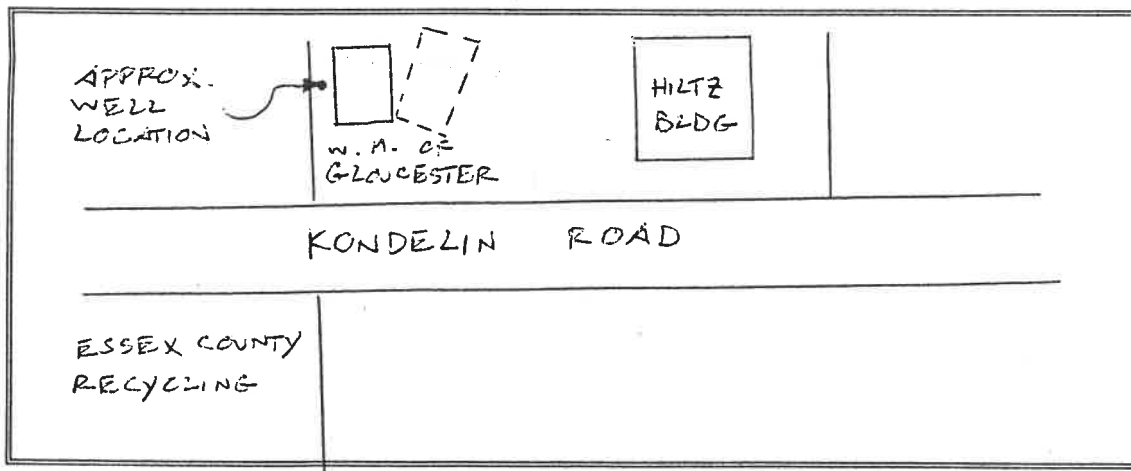
Well Use: Potable Water _____ Irrigation _____

Commercial _____ Other Washing trucks onlyWater Tested YesSeptic System Yes Cesspool NoCity Sewer No Underground Fuel Tanks Yes

Business/Industrial Activity within 500 feet of well _____

Waste Management of Glou., Essex County Recycling, Hiltz Moving & Storage

Site Sketch:





CITY OF GLOUCESTER

Health Department
3 Pond Road, City Hall Annex
Gloucester, Massachusetts 01930
PHONE: 978-325-5260 Fax: 978-281-9729
EMAIL: healthdepartment@gloucester-ma.gov
WEBSITE: www.gloucester-ma.gov



Public Health
Prevent. Promote. Protect.

January 9, 2017/18 P.

**DLM Properties
25 Kondelin Road
Gloucester, MA 01930**

**RE: NOTICE OF PASSING ONSITE WASTEWATER SYSTEM:
25 Kondelin Road, Gloucester MA (MAP 197 – LOT 18)**

Dear Gloucester Property Owner:

The Gloucester Health Department has reviewed the Title 5 inspection report received on 12/28/17, which was generated from the 12/28/17 inspection of the onsite wastewater system serving your property. This office is in agreement with the inspector that the system is not failing to protect public health and the environment, and therefore passes Title 5 inspection.

According to the inspection report, no water has been used from the municipal water supply, so if you're using the well as a primary source of potable water for the building it must be tested.

This inspection is valid for two years and can be valid for three years if the septic tank or cesspool is pumped yearly following this inspection. However, a Title 5 inspection would be required to investigate potential problems noted by a septic pumper, regardless of the age of this inspection.

This is not an endorsement that the system will function properly in the future under different or similar uses. The number of bedrooms listed on the report is not necessarily the number of bedrooms for which a building permit could be issued for.

Please let me know if you have any further questions and thank you for your attention to this matter.

Sincerely,

Thorsen Akerley, R.S.
Title 5 Inspector/Sanitarian
Gloucester Health Department
takerley@gloucester-ma.gov
(978) 325-5263

cc: Bud Hobbs

GENERAL NOTES AND SPECIFICATIONS

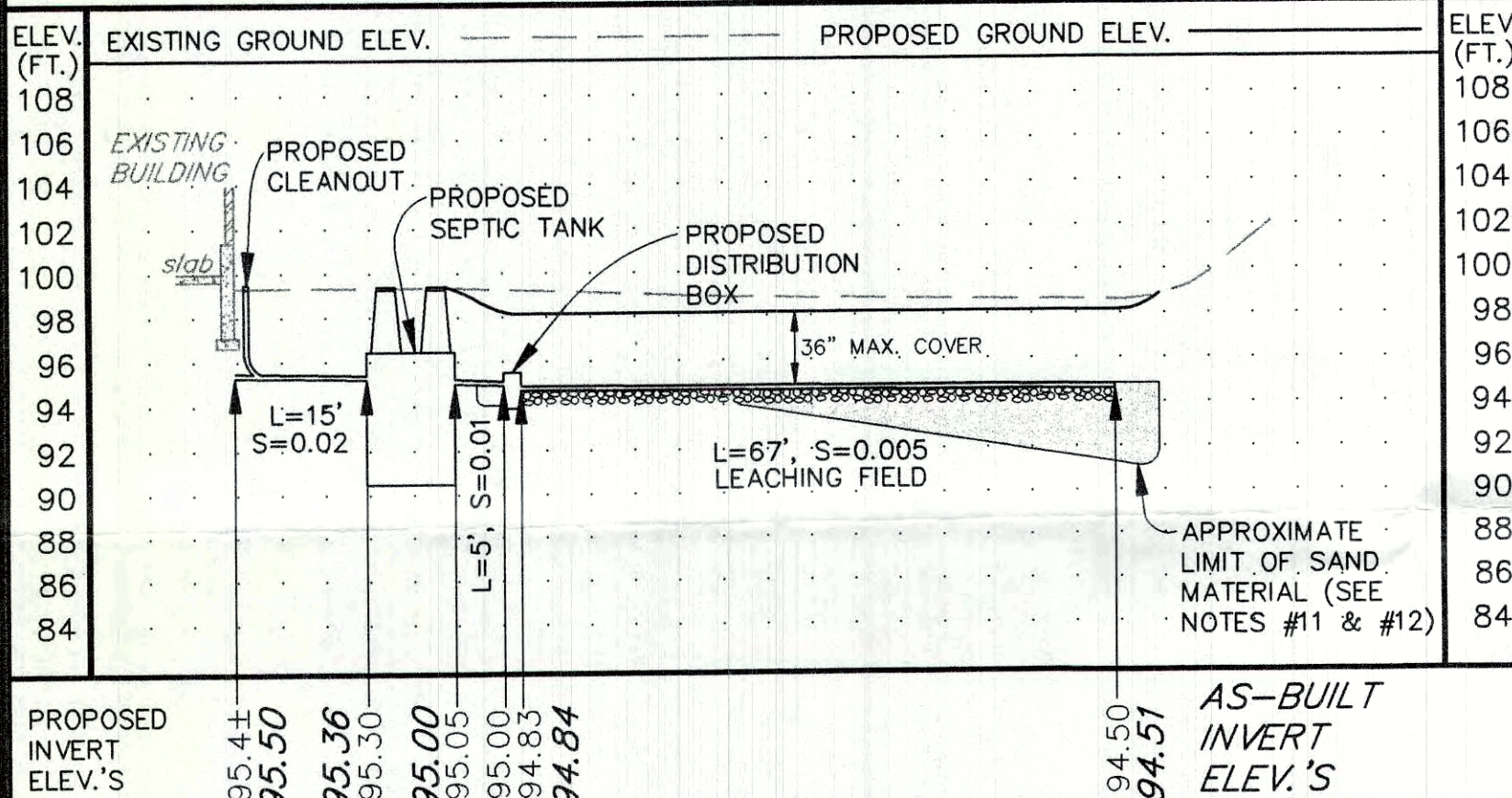
- THIS PLAN IS INTENDED FOR THE LOCATION AND DESIGN OF THE SEWAGE DISPOSAL SYSTEM ONLY.
- THE LOCATION, SIZE AND ORIENTATION OF THE NEW BUILDING, WHEN APPLICABLE, IS SUGGESTED IN ACCORDANCE WITH OWNER INSTRUCTIONS. SHOULD CHANGES OCCUR WHICH ALTER THE SEWAGE DISPOSAL SYSTEM/BUILDING RELATIONSHIP, THE DESIGN ENGINEER SHALL BE NOTIFIED FOR REVISIONS TO THIS DESIGN. CONFORMANCE WITH ZONING BY-LAWS SHALL BE THE RESPONSIBILITY OF THE OWNER. LOT LINES ARE APPROXIMATE.
- GROUNDWATER AND LEDGE ELEVATIONS AT THE FOUNDATION HAVE NOT BEEN DETERMINED. IT SHALL BE THE RESPONSIBILITY OF THE OWNER TO ENSURE THAT CELLAR SLABS ARE CONSTRUCTED ABOVE THE GROUNDWATER ELEVATION AND/OR TO PROVIDE PROPER DRAINAGE.
- DESIGNATIONS SHOWN AS (MIN.) OR (MAX.) ONLY INDICATE THAT THE DIMENSION SHOWN IS SPECIFICALLY LIMITED AND DOES NOT IMPLY THAT THE VALUE GIVEN CAN BE LIBERALLY INCREASED OR DECREASED, RESPECTIVELY.
- THE TOPOGRAPHIC SURVEY WAS PERFORMED BY GATEWAY CONSULTANTS, INC. ON SEPTEMBER 19, 2002.
- THIS PLAN SHOWS FEATURES WHICH WERE VISUALLY APPARENT AT THE TIME OF THE TOPOGRAPHIC SURVEY WAS PERFORMED. NO DETERMINATION AS TO THE EXISTENCE OF SUBSURFACE STRUCTURES, UTILITIES, ETC. HAS BEEN MADE AND THE ABSENCE OF SAME IS NOT IMPLIED OR INTENDED.
- THERE ARE NO EXISTING POTABLE WELLS WITHIN 150 FT. OF THE LEACHING AREA AND 100 FT. OF THE SEPTIC TANK.
- THERE ARE NO EXISTING SURFACE WATER SUPPLIES WITHIN 400 FT. OR TRIBUTARIES TO RESERVOIRS WITHIN 400 FT. OF THE LEACHING AREA AND OF THE SEPTIC TANK.
- ALL NEW WELLS SHALL BE INSTALLED 150 FT. (MIN.) FROM ALL LEACHING AREAS, 100 FT. (MIN.) FROM ALL SEPTIC TANKS, AND 10 FT. (MIN.) FROM ALL PROPERTY LINES. THE LOCATION OF A PROPOSED WELL WHEN SHOWN IS SUGGESTED ONLY.
- THERE ARE NO EXISTING CATCHBASINS, SUBSURFACE DRAINS OR DRY WELLS PROPOSED WITHIN 25 FT. OF THE LEACHING AREA. THERE ARE NO EXISTING SUBSURFACE DRAINS DISCHARGING DIRECTLY TO A WATERCOURSE (ADJACENT WETLANDS) WITHIN 50 FT. OF THE LEACHING FACILITY.
- ALL LARGE BOULDERS, TREES, TOPSOIL, SUBSOIL, FILL MATERIAL AND ORGANIC MATERIAL SHALL BE REMOVED FROM THE LEACHING AREA AND FOR A DISTANCE OF 5 FT. AROUND THE LEACHING AREA, TO THE DEPTH OF PARENT MATERIAL IN ACCORDANCE WITH TITLE 5, 310 CMR 15.255.
- ALL LARGE BOULDERS WHICH ARE REMOVED FROM BELOW THE PROPOSED LEACHING FACILITY SHALL BE REPLACED WITH FILL MEETING SECTION 15.255 SPECIFICATIONS, AND SHALL BE INSTALLED IN 6" LIFTS USING A VIBRATORY COMPACTOR.
- ALL CONSTRUCTION ACTIVITY WITHIN 100 FT. OF A WETLAND OR RESOURCE AREA REQUIRES FILING, IN ACCORDANCE WITH THE WETLAND PROTECTION ACT M.G.L. 131 SECTION 40.
- IT SHALL BE THE RESPONSIBILITY OF THE INSTALLER TO NOTIFY THE DESIGN ENGINEER OF ANY DISCREPANCY BETWEEN OBSERVED FIELD CONDITIONS AND CONDITIONS AS DESCRIBED ON THIS PLAN, BEFORE PROCEEDING WITH THE INSTALLATION.
- THIS SEWAGE DISPOSAL SYSTEM IS NOT DESIGNED FOR GARBAGE DISPOSAL UNITS. EXISTING UNIT SHALL BE REMOVED. HEALTH AND THE DESIGN ENGINEER.
- THE INSTALLER SHALL CONTACT DIG SAFE (1-888-344-7233) AND THE GLOUCESTER WATER DEPARTMENT PRIOR TO ANY DIGGING IN ORDER TO VERIFY UTILITY CONNECTION LOCATIONS.
- ALL SYSTEM COMPONENTS SHALL MEET THE CONSTRUCTION STANDARDS AS OUTLINED IN 310 CMR 15.000 (TITLE V). THESE STANDARDS SHALL ALSO APPLY IN THE CASE OF A DISCREPANCY WITH THE DETAILS DEPICTED ON THIS PLAN WHICH ARE SHOWN FOR GENERAL REFERENCE ONLY.
- PER CMR 15.211 (1), WHERE SEWER LINES MUST CROSS WATER LINES, BOTH PIPES MUST BE CONSTRUCTED OF CLASS 150 PRESSURE PIPE AND SHALL BE PRESSURE TESTED TO ASSURE WATER TIGHTNESS. AN 18 INCH VERTICAL SEPARATION BETWEEN THE BOTTOM OF THE WATERLINE AND THE TOP OF THE SEWER LINE IS REQUIRED.
- THE EXISTING SEPTIC SYSTEM SHALL BE PUMPED AND ABANDONED PER 310 CMR 15.354 (3)c.
- THE DESIGN IS SUBMITTED UNDER 310 CMR 15.405 (1)(a) TO ALLOW FOR A 9.5 FT. SEPARATION BETWEEN THE PROPOSED LEACHING FACILITY AND FOUNDATION.
- CONTRACTOR SHALL CONFIRM WITH THE DESIGN ENGINEER AND G.B.O.H. AGENT THAT LEDGE DOES NOT EXTEND TO WITHIN 8 FEET OF SURFACE GRADE AT TEST PIT 2 PRIOR TO COMMENCING SYSTEM INSTALLATION.

DESIGN CRITERIA

Ref: The State Environmental Code, Title 5: Minimum Requirements For the Subsurface Disposal of Sanitary Sewage.

CALCULATIONS

LIGHT INDUSTRIAL BUILDING: (33 EMPLOYEES)
DAILY SEWAGE FLOW: 33 EMPLOYEES x 15 G.P.D./EMPLOYEE = 495 G.P.D.
PERCOLATION RATE: 4 MIN./IN.
SEPTIC TANK CAPACITY: 2,000 GAL.
LEACHING AREA REQUIRED: $495 \text{ G.P.D.} \div 0.74 \text{ G.P.D./S.F.} = 669.0 \text{ S.F.}$
LEACHING AREA PROVIDED: (FIELD)
 $10' \text{ WIDE} \times 67' \text{ LONG} = 670 \text{ S.F.}$

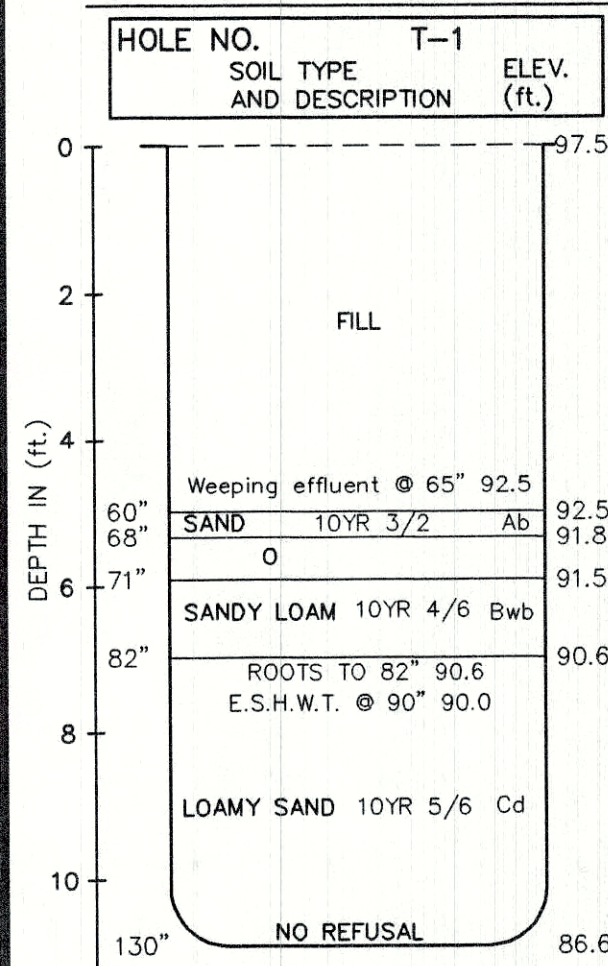


PROFILE

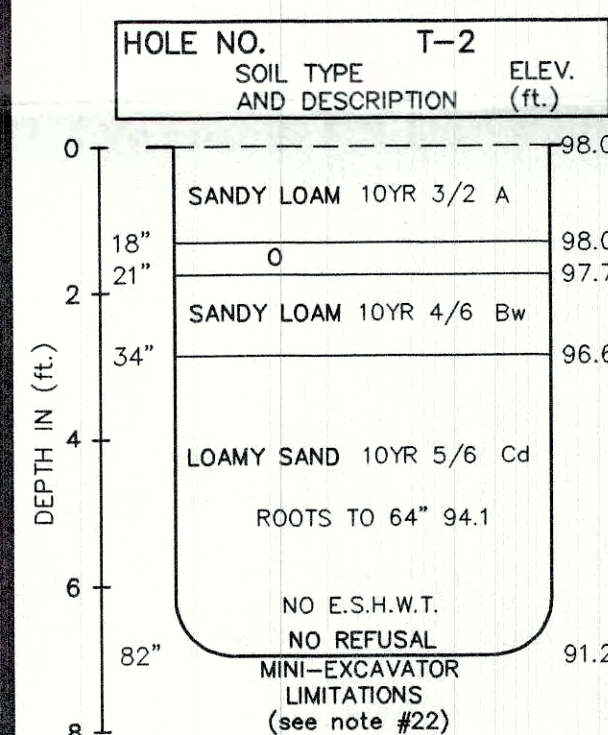
SCALE: HORIZ.: 1"=20'
VERT.: 1"=8'

BENCHMARK:
ELEV.=100.00 (ASSUMED DATUM)
TOP OF BUILDING SLAB @ SIDE DOOR ENTRANCE

DEEP OBSERVATION HOLE LOGS



DATE: 9/12/02
SOIL EVALUATOR: ISAAC ROWE, G.B.O.H.
WITNESSED BY: JOHN JUDD, P.E.

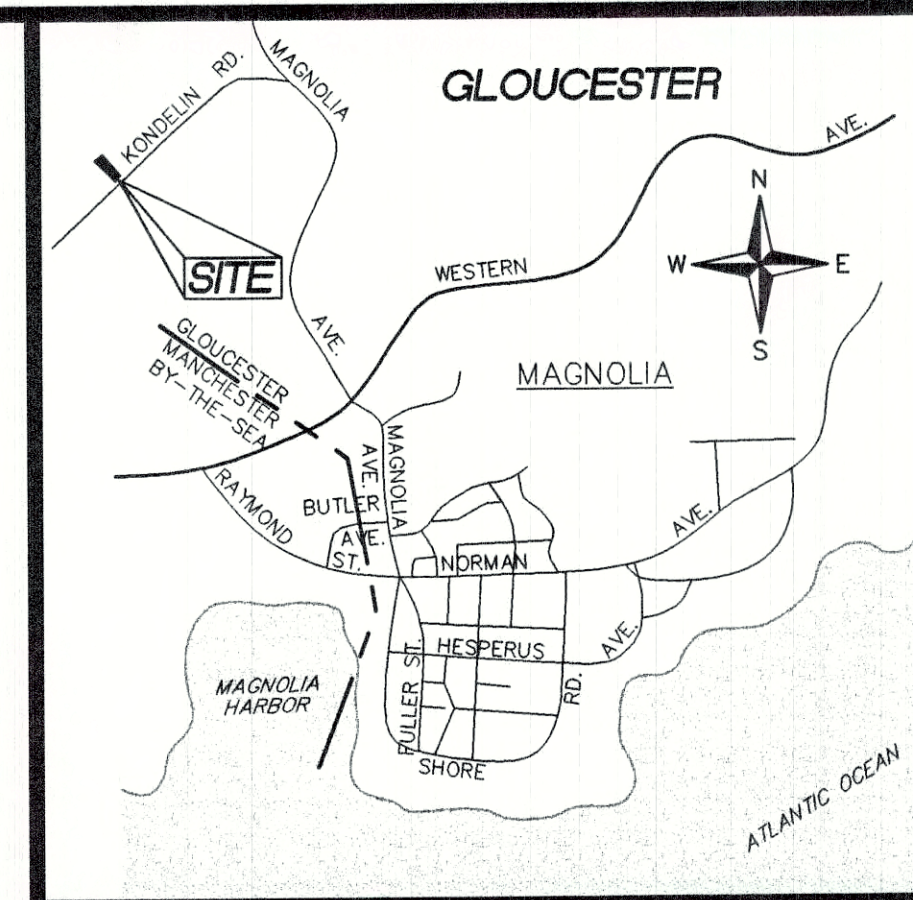
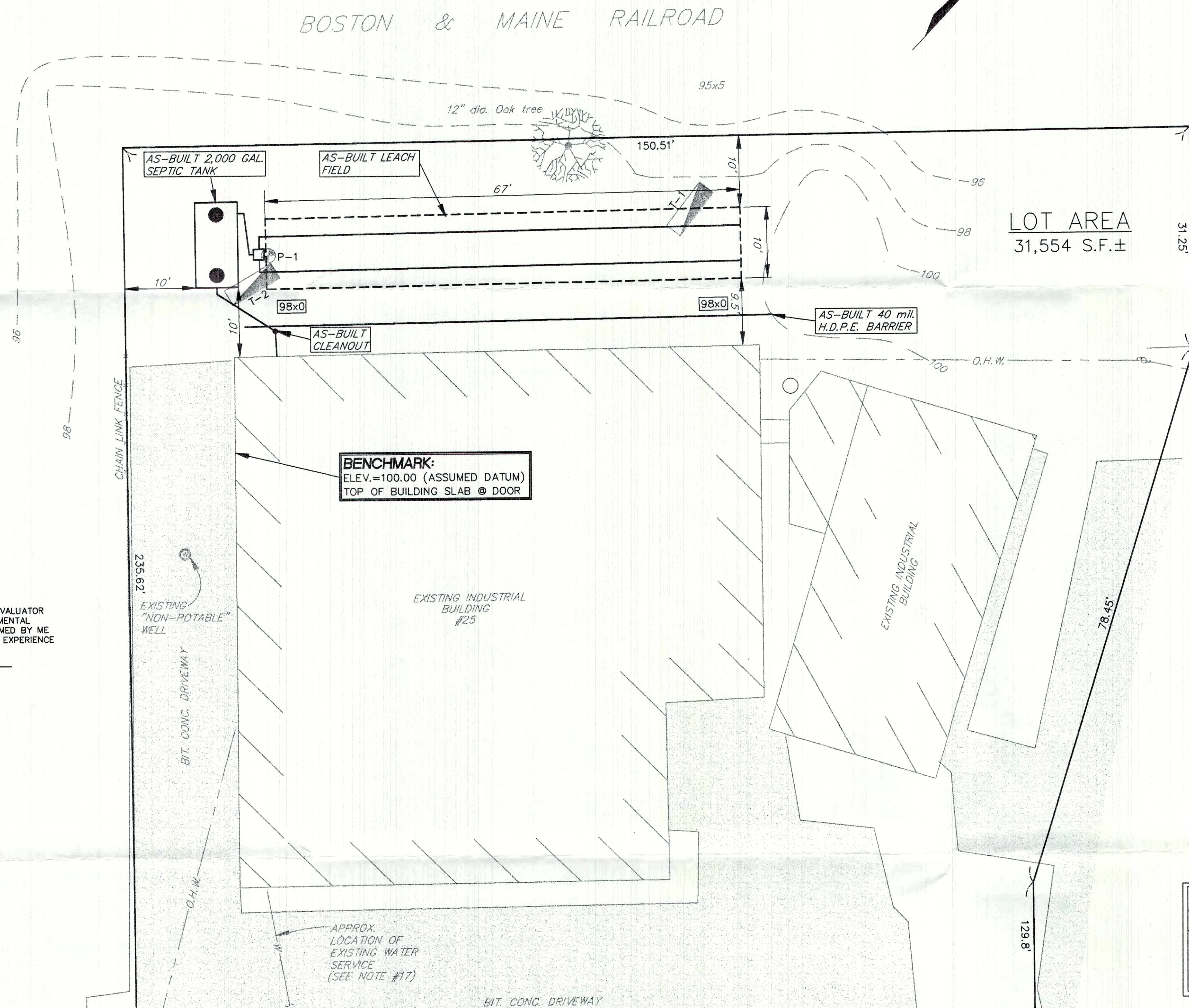


DATE: 9/12/02
SOIL EVALUATOR: ISAAC ROWE, G.B.O.H.
WITNESSED BY: JOHN JUDD, P.E.

CERTIFICATION
I CERTIFY THAT ON JULY 1995 I HAVE PASSED THE SOIL EVALUATOR EXAMINATION APPROVED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION AND THAT THE ABOVE ANALYSIS WAS PERFORMED BY ME CONSISTENT WITH THE REQUIRED TRAINING, EXPERTISE AND EXPERIENCE DESCRIBED IN 310 CMR 15.017.
SIGNATURE _____ DATE _____

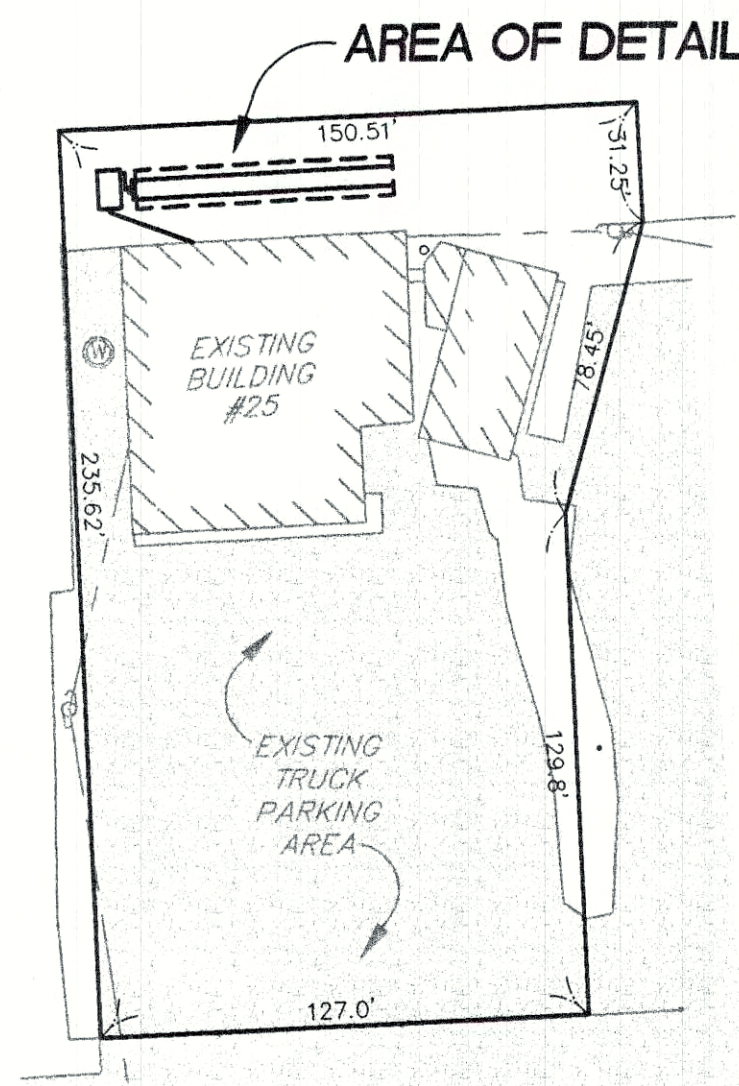
PERCOLATION TEST RESULTS

HOLE: P-1
RATE: 4 MIN./IN.
BOTTOM ELEV.: 95.0
DATE: 9/12/02
PERFORMED BY: ISAAC ROWE, G.B.O.H.
ENGINEER: JOHN JUDD



LOCUS PLAN

NOT TO SCALE



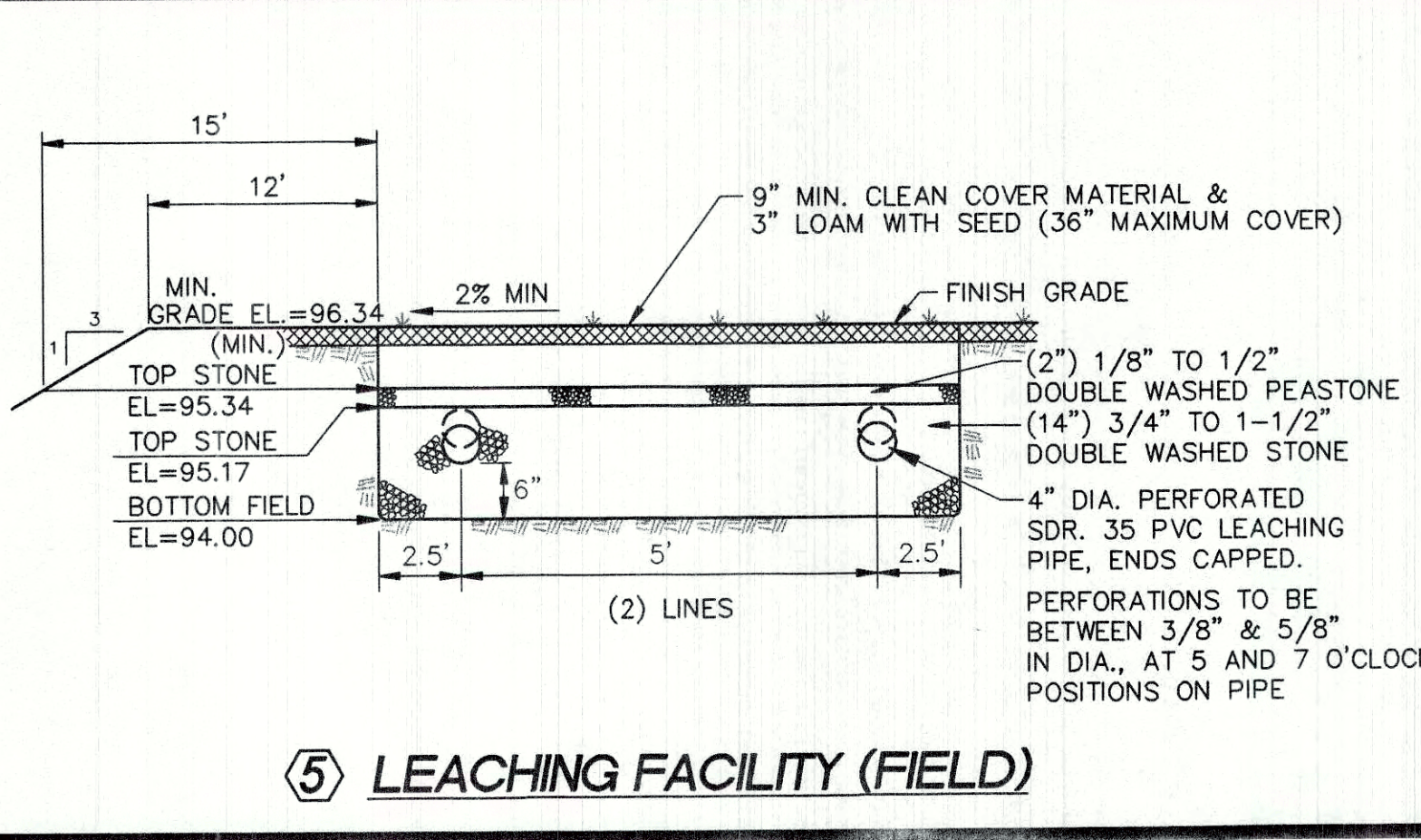
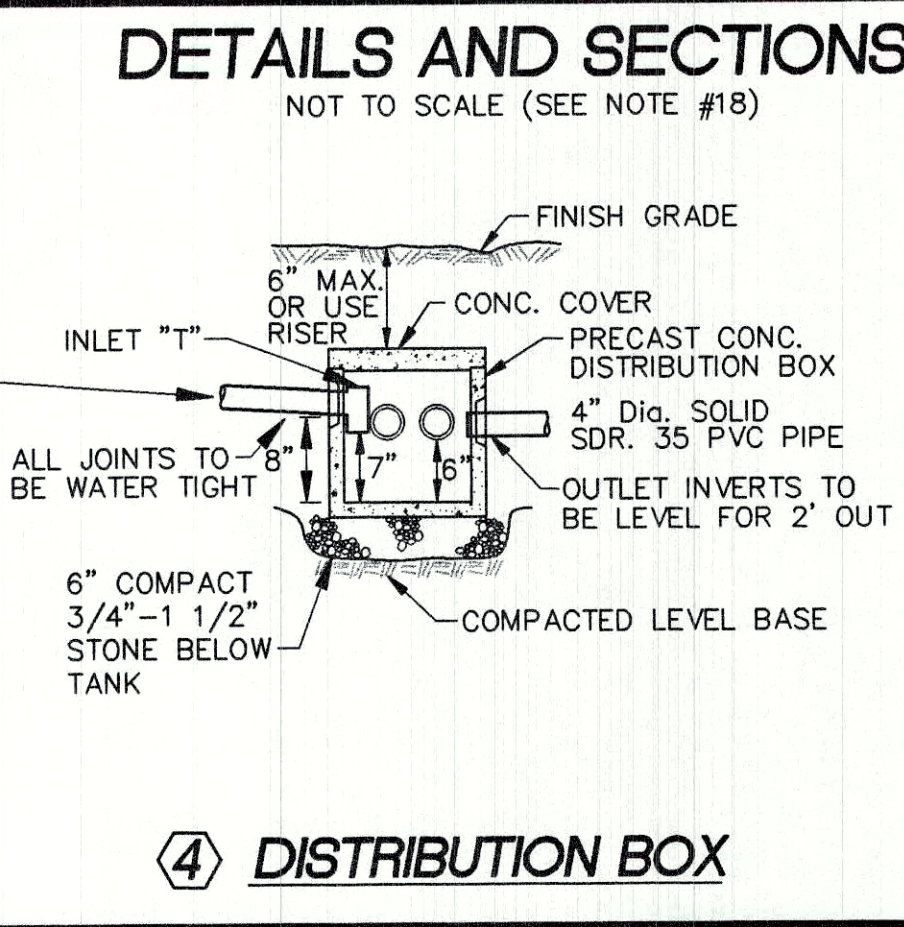
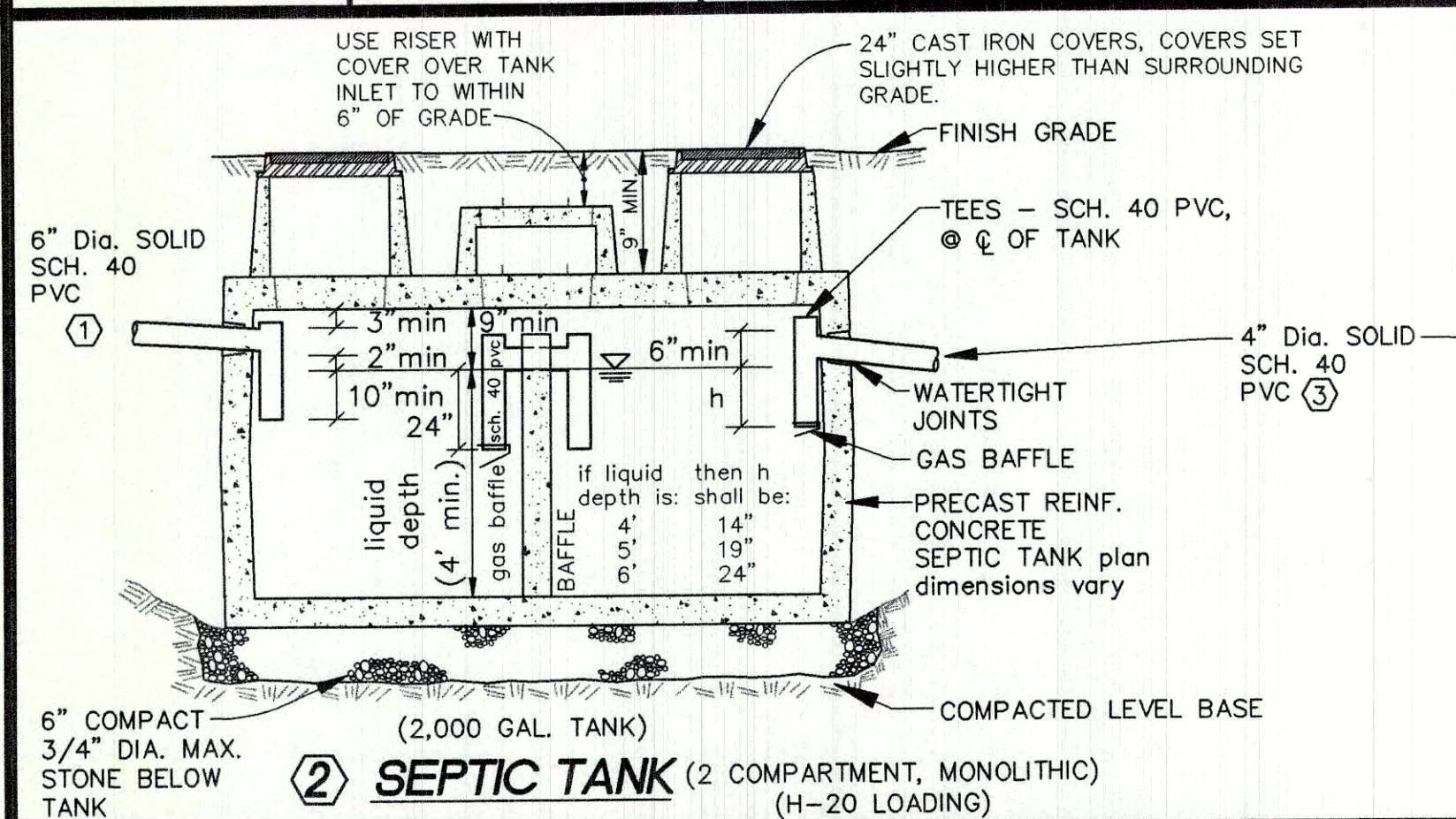
PLOT PLAN

SCALE: 1"=50'

LOCAL UPGRADE REQUIREMENT:	
REQUIREMENT:	PROPOSED REQUEST:
20 FOOT SEPARATION BETWEEN THE LEACHING FACILITY AND THE FOUNDATION	9.5' OFFSET PROPOSED
310 CMR 15.211 & G.O.S.W.R. 2.1	

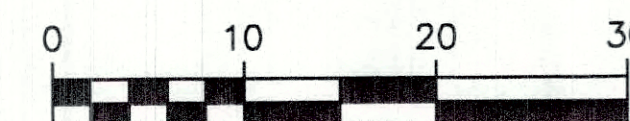
DETAILS AND SECTIONS

NOT TO SCALE (SEE NOTE #18)

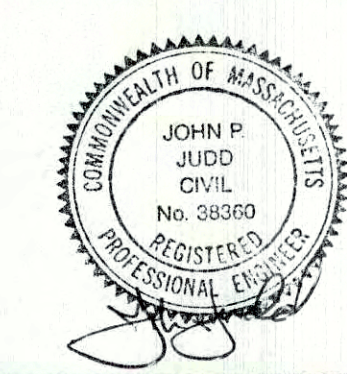


LEGEND

EXISTING CONTOURS
EXISTING SPOT GRADE
EXISTING WATER SERVICE
DEEP OBSERVATION HOLE
PERCOLATION TEST HOLE
REFERENCE TO DETAILS & SECTIONS
PROPOSED FINISH GRADE



SCALE IN FEET



REVISIONS TO PLAN	
DESCRIPTION	DATE
B.O.H. COMMENTS	11/4/02
AS-BUILT SYSTEM	11/6/03

Draft/Check SAR/JPJ	Drawing Scale 1"=10'
------------------------	-------------------------

REPAIR SEWAGE DISPOSAL SYSTEM PLAN	
MAP 197, PARCEL 18 25 KONDELIN ROAD GLOUCESTER, MA	
PREPARED FOR WASTE MANAGEMENT 23 KONDELIN RD. GLOUCESTER, MA 01930	
GATEWAY CONSULTANTS, INC. CIVIL ENGINEERING & PROJECT MANAGEMENT 33 FOREST HILL AVENUE LYNNFIELD, MA 01940 OFFICE: (781) 334-4434 FAX: (781) 334-0007	
Date 9/30/02	Project No. 2429
Drawing No. 2016	

From: [Christopher Ozer](#)
To: [Darby, Debra](#)
Subject: Fwd: Water Supply
Date: Friday, August 2, 2024 9:53:39 AM
Attachments: [Scan_20240802.png](#)

CAUTION: This email originated from an external sender. Verify the source before opening links or attachments.

See proof below of no well water being utilized at 23 Kondelin Road.

Sent from my iPhone

Begin forwarded message:

From: "ggrimes hiltzdisposal.com" <ggrimes@hiltzdisposal.com>
Date: August 2, 2024 at 9:35:32 AM EDT
To: Christopher Ozer <chrisox@newaste.llc>
Subject: FW: Water Supply

City water bill for 23 Kondelin Rd

From: JANE CARPENTER <jhiltzcarpenter@comcast.net>
Sent: Friday, August 2, 2024 9:30 AM
To: ggrimes hiltzdisposal.com <ggrimes@hiltzdisposal.com>
Subject: Water Supply

Hi Gary,

The water at my property at 23 Kondelin Road is provided by the City of Gloucester. I have attached a copy of a recent water bill.

Let me know if you need anything else.

Jane



Conor MacCorkle, Treasurer/Collector
Collector's Office, City Hall
Gloucester, MA 01930

UTILITY BILL

CUSTOMER COPY

Keep this copy for your records

Customer Name		Parcel Map/Lot		Service Address																																	
CARPENTER FAMILY TRUST		197 10		23 KONDELIN RD																																	
Bill Number	Bill Date	Account Number	Customer Number	Current Billing Due Date																																	
40007214	05/28/2024	UB: 012483	58076	06/27/2024																																	
Charge Description	Current Rate	Meter Number	Previous Read Date	Current Read Date	Previous Reading	Current Reading	Read Code	Usage (1,000 gals.)	Charge Amount																												
WATER METER	10.4200	39521792	01/03/2024	04/08/2024	1018	1020	A	2	20.84																												
<p>Water Usage History</p> <table border="1"><thead><tr><th>Cycle</th><th>Usage</th></tr></thead><tbody><tr><td>01/08</td><td>3</td></tr><tr><td>01/04</td><td>1</td></tr><tr><td>10/23</td><td>3</td></tr><tr><td>07/23</td><td>7</td></tr><tr><td>04/23</td><td>4</td></tr><tr><td>01/23</td><td>3</td></tr><tr><td>10/22</td><td>4</td></tr><tr><td>07/22</td><td>4</td></tr><tr><td>04/22</td><td>3</td></tr><tr><td>01/22</td><td>3</td></tr><tr><td>10/21</td><td>3</td></tr><tr><td>07/21</td><td>27</td></tr><tr><td>04/21</td><td>3</td></tr></tbody></table>										Cycle	Usage	01/08	3	01/04	1	10/23	3	07/23	7	04/23	4	01/23	3	10/22	4	07/22	4	04/22	3	01/22	3	10/21	3	07/21	27	04/21	3
Cycle	Usage																																				
01/08	3																																				
01/04	1																																				
10/23	3																																				
07/23	7																																				
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10/21	3																																				
07/21	27																																				
04/21	3																																				
<p>READ CODE</p> <p>A = Actual E = Estimate F = Final M = Manual Estimate</p> <table border="1"><tr><td>Total Current Billing</td><td>20.84</td></tr><tr><td>Previous Balance</td><td>0.00</td></tr><tr><td>Interest</td><td>0.00</td></tr><tr><td>Fees</td><td>0.00</td></tr><tr><td>Total Due</td><td>\$20.84</td></tr></table>										Total Current Billing	20.84	Previous Balance	0.00	Interest	0.00	Fees	0.00	Total Due	\$20.84																		
Total Current Billing	20.84																																				
Previous Balance	0.00																																				
Interest	0.00																																				
Fees	0.00																																				
Total Due	\$20.84																																				
<p>VIEW THE MOST RECENT DRINKING WATER CONSUMER CONFIDENCE REPORT: HTTPS://GLOUCESTER-MA.GOV/DOCUMENTCENTER/VIEW/6716/CURRENT-WATER-QUALITY-CONSUMER-CONFIDENCE-REPORT-PDF</p>																																					

✂ Detach and return the portion below with your payment ✂



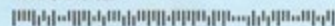
Conor MacCorkle, Treasurer/Collector
Collector's Office, City Hall
Gloucester, MA 01930

UTILITY BILL REMIT PORTION

Service Address	Bill Number	Account #	Customer #	Due Date	Amount Due
23 KONDELIN RD	40007214	UB: 012483	58076	06/27/2024	\$20.84



199001 CARPENTER FAMILY TRUST
42 WOOD DR
ESSEX, MA 01929



Pay to: City of Gloucester
Mail to: PO Box 831
Reading, MA 01867-0426

*Please write account number on check

10736042024640007214600000020842



Conor MacCorkle, Treasurer/Collector
Collector's Office, City Hall
Gloucester, MA 01930



UTILITY BILL

CUSTOMER COPY

Keep this copy for your records

Customer Name			Parcel Map/Lot				Service Address			
DLM PROPERTIES LLC			197 13				24 KONDELIN RD			
Bill Number	Bill Date		Account Number		Customer Number		Current Billing Due Date			
10008334	08/27/2024		UB: 013931		58323		09/26/2024			
Charge Description	Current Rate	Meter Number	Previous Read Date	Current Read Date	Previous Reading	Current Reading	Read Code	Usage (1,000 gals.)	Charge Amount	
WATER METER	11.4200	48269544	04/01/2024	07/09/2024	711	713	A	2	22.84	

Water Usage History

Cycle	Usage
CURR	2
04/24	3
01/24	2
10/23	1
07/23	3
04/23	3
01/23	3
10/22	6
07/22	2
04/22	4
01/22	3
10/21	4
07/21	3

READ CODE

A = Actual
E = Estimate
F = Final
M = Manual
Estimate

Total Current Billing

Previous Balance

Interest

Fees

Total Due

22.84

0.00

0.00

0.00

\$22.84

VIEW THE MOST RECENT DRINKING WATER CONSUMER CONFIDENCE REPORT:
[HTTPS://GLOUCESTER-MA.GOV/DOCUMENTCENTER/VIEW/6718/CURRENT-WATER-QUALITY-CONSUMER-CONFIDENCE-REPORT-PDF](https://gloucester-ma.gov/documentcenter/view/6718/current-water-quality-consumer-confidence-report-pdf)

✂ Detach and return the portion below with your payment ✂



Conor MacCorkle, Treasurer/Collector

Collector's Office, City Hall
Gloucester, MA 01930

UTILITY BILL

REMIT PORTION

Service Address	Bill Number	Account #	Customer #	Due Date	Amount Due
24 KONDELIN RD	10008334	UB: 013931	58323	09/26/2024	\$22.84

251

DLM PROPERTIES LLC
PO BOX 1340
MADISON, CT 06443



Pay to: City of Gloucester

Mail to: PO Box 831

Reading, MA 01867-0420

*Please write account number on check

10736042025510008334400000022848



Conor MacCorkle, Treasurer/Collector
Collector's Office, City Hall
Gloucester, MA 01930

paid ✓ 5/28/24

entered
(pay online)

UTILITY BILL

CUSTOMER COPY

Keep this copy for your records

Customer Name			Parcel Map/Lot				Service Address			
DLM PROPERTIES LLC			197 18				25 KONDELIN RD			
Bill Number	Bill Date		Account Number		Customer Number			Current Billing Due Date		
40007443	05/28/2024		UB: 012786		58323			06/27/2024		
Charge Description	Current Rate	Meter Number	Previous Read Date	Current Read Date	Previous Reading	Current Reading	Read Code	Usage (1,000 gals.)	Charge Amount	
WATER METER	10.4200	51281227	01/03/2024	04/08/2024	0	0	A	0	10.42	

Water Usage History		<div>READ CODE</div> <div>A = Actual</div> <div>E = Estimate</div> <div>F = Final</div> <div>M = Manual Estimate</div>	Total Current Billing		10.42
Cycle	Usage		Previous Balance		0.00
CURR	0		Interest		0.00
01/24	0		Fees		0.00
10/23	0		Total Due		\$10.42
07/23	0		<div>VIEW THE MOST RECENT DRINKING WATER CONSUMER CONFIDENCE REPORT:</div> <div>HTTPS://GLOUCESTER-MA.GOV/DOCUMENTCENTER/VIEW/6718/CURRENT-WATER-QUALITY-CONSUMER-CONFIDENCE-REPORT-PDF</div>		
04/23	0				
01/23	0				
10/22	0				
07/22	0				
04/22	0				
01/22	0				
10/21	0				
07/21	0				
04/21	0				

VIEW THE MOST RECENT DRINKING WATER CONSUMER CONFIDENCE REPORT:
[HTTPS://GLOUCESTER-MA.GOV/DOCUMENTCENTER/VIEW/6718/CURRENT-WATER-QUALITY-CONSUMER-CONFIDENCE-REPORT-PDF](https://gloucester-ma.gov/documentcenter/view/6718/current-water-quality-consumer-confidence-report-pdf)

✂ Detach and return the portion below with your payment ✂



Conor MacCorkle, Treasurer/Collector
Collector's Office, City Hall
Gloucester, MA 01930

UTILITY BILL

REMIT PORTION

Service Address	Bill Number	Account #	Customer #	Due Date	Amount Due
25 KONDELIN RD	40007443	UB: 012786	58323	06/27/2024	\$10.42

Pay to: City of Gloucester
Mail to: PO Box 831
Reading, MA 01867-0420

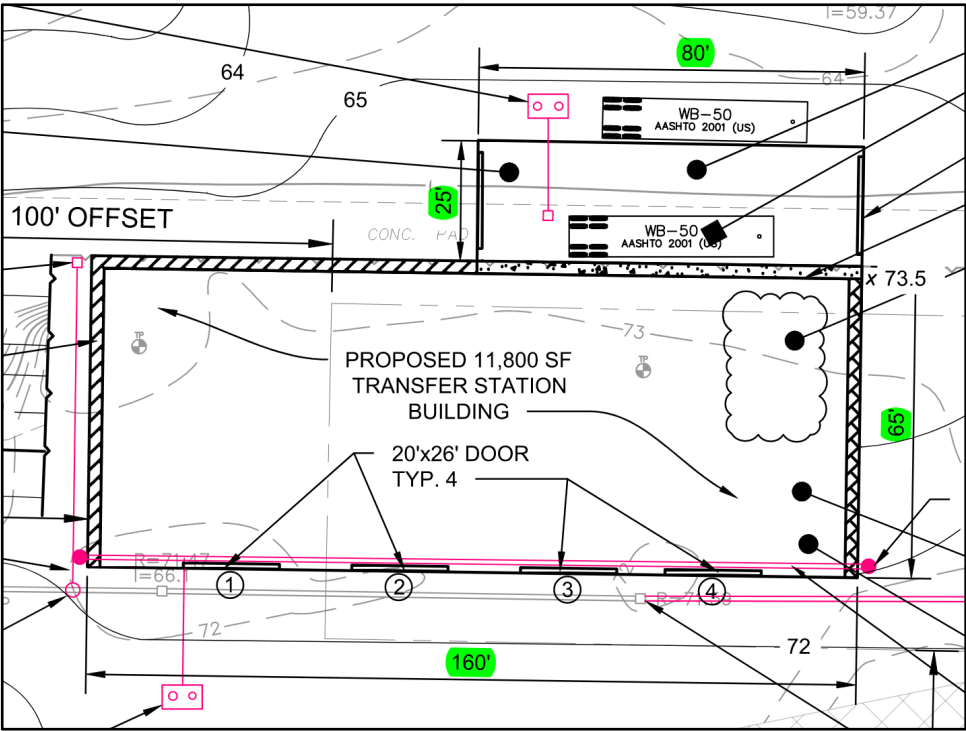
*Please write account number on check

245
DLM PROPERTIES LLC
PO BOX 1340
MADISON, CT 06443



10736042024840007443100000010421

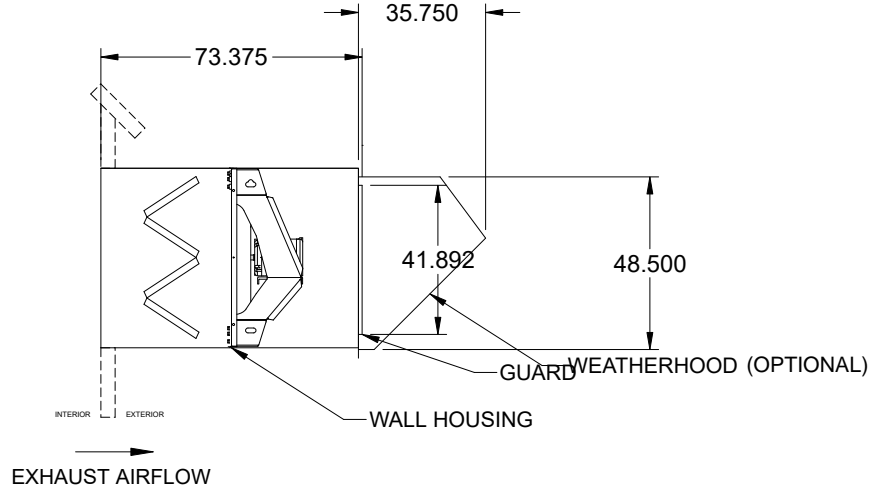
ATTACHMENT D: AIR CALCULATION AND EQUIPMENT



Model: AER-42-VG

Sidewall Direct Drive Fan
Motor Access From Ext. of Bldg.

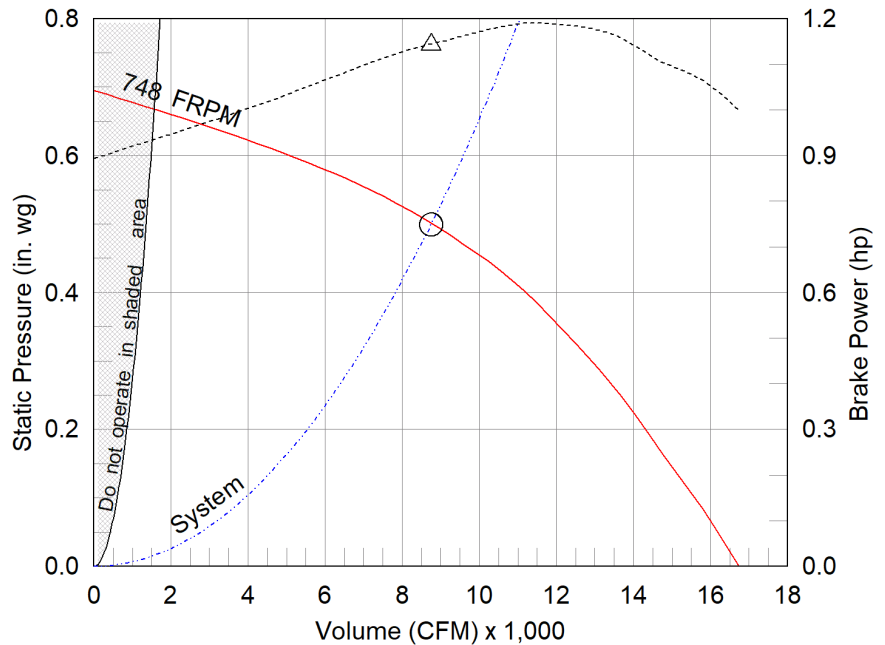
Dimensional	
Quantity	4
Weight w/o Acc's (lb)	213
Weight w/ Acc's (lb)	607
Wall Opening (in.)	51.75 x 51.75



Performance	
Requested Volume (CFM)	8,750
Actual Volume (CFM)	8,750
Total External SP (in. wg)	0.499
Fan RPM	748
Operating Power (hp)	1.14
Elevation (ft)	23
Airstream Temp.(F)	70
Air Density (lb/ft3)	0.075
Tip Speed (ft/min)	8,272
Static Eff. (%)	60

Misc Fan Data	
Fan Energy Index (FEI)	2.07
Outlet Velocity (ft/min)	888

Motor	
Motor Mounted	Yes
Size (hp)	3
Voltage/Cycle/Phase	460/60/3
Enclosure	TEFC
Motor RPM	925
Efficiency Rating	High
Windings	1
FLA (Amps)	4.3



- △ Operating Bhp point
- Operating point at Total External SP
- Fan curve
- - - System curve
- Brake horsepower curve

Static Pressure Calculations

External SP	0.325 in. wg
Filters	0.125 in. wg
Wall Housing	0.02 in. wg
Weatherhood	0.029 in. wg
Total External SP	0.499 in. wg

Notes:

All dimensions shown are in units of in.
*NEC FLA, MCA and MOP are for reference only – based on tables 430.248 or 430.25 of National Electric Code 2020. Actual motor FLA may vary, for sizing thermal overload, consult factory.
MCA and MOP values shown only account for the motor, not accessories (damper actuator, field supplied VFD, etc).
LwA - A weighted sound power level, based on ANSI S1.4
dBA - A weighted sound pressure level, based on 11.5 dB attenuation per Octave band at 5 ft - dBA levels are not licensed by AMCA International
Sones - calculated using AMCA 301 at 5 ft



Nameplate Model: AER-42-03-0610-VG

Sound Power by Octave Band

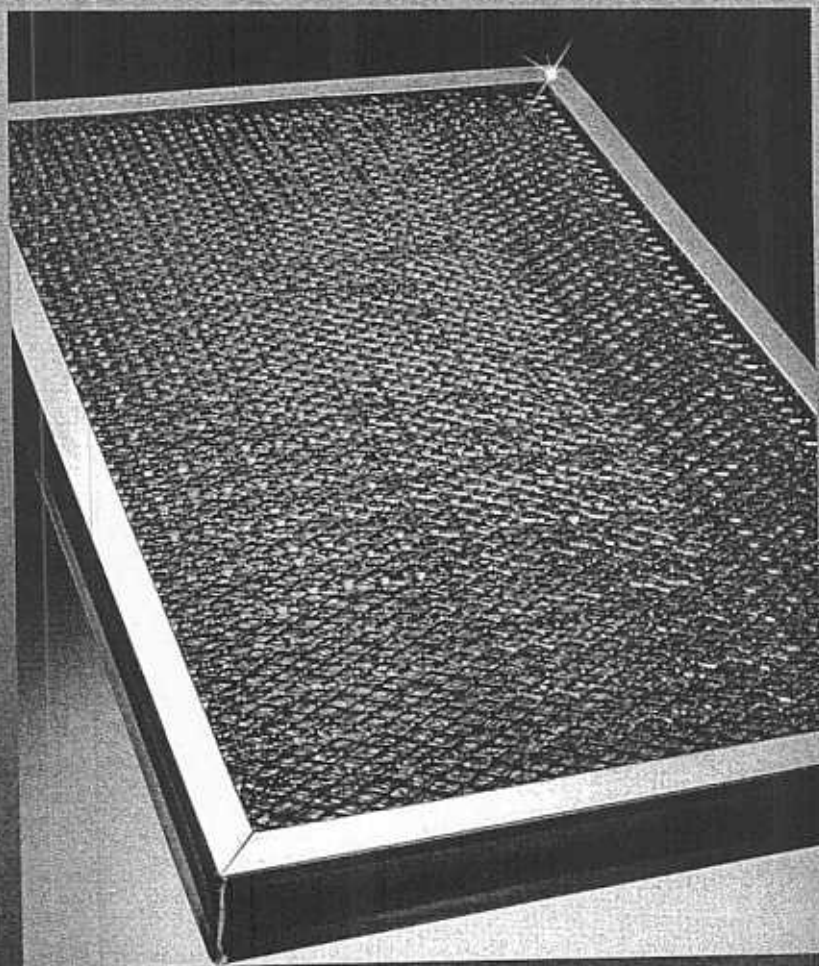
Sound Data	62.5	125	250	500	1000	2000	4000	8000	LwA	dBA	Sones
Inlet	89	91	91	87	83	78	73	67	89	77	28



RESEARCH PRODUCTS CORPORATION

EZ KLEEN® AIR FILTER & KLEEN GARD® GREASE FILTER

Specifications



HOWN ON THIS SHEET WILL BE S

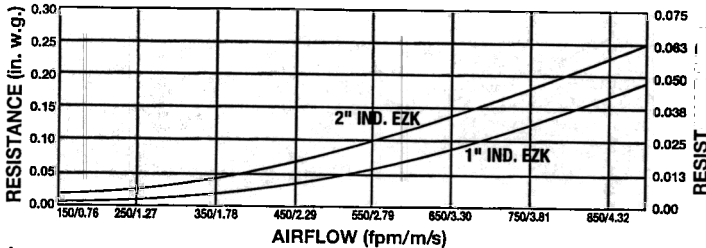
INDUSTRIAL EZ KLEEN® AIR FILTERS *Performance at High Velocity*

Research Product's Industrial Air Filters are ideal for use in large commercial and industrial HVAC installations.

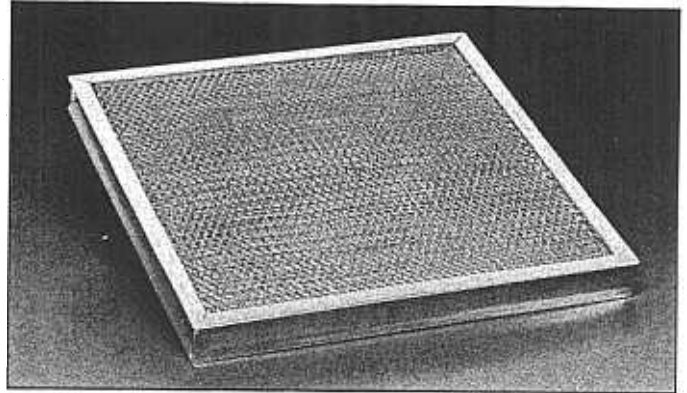
- Offers longer service with optimum dirt and dust-trapping performance.
- Easy to handle. Easy to clean.
- Available in all standard sizes plus wide range of special sizes.
- Exclusive Web-Lok® aluminum frame provides extra strength for extended service.

- Rustproof, corrosion-resistant filter media.
- Easy to install and maintain.
- Meets UL Class 2 filter requirements.

RESISTANCE VS. AIRFLOW — 1" & 2" Industrial EZ Klean Filters



Average arrestance is 60% for 1" filter and 67% for 2" filter at 350 fpm when tested per ASHRAE 52-76 testing procedure.

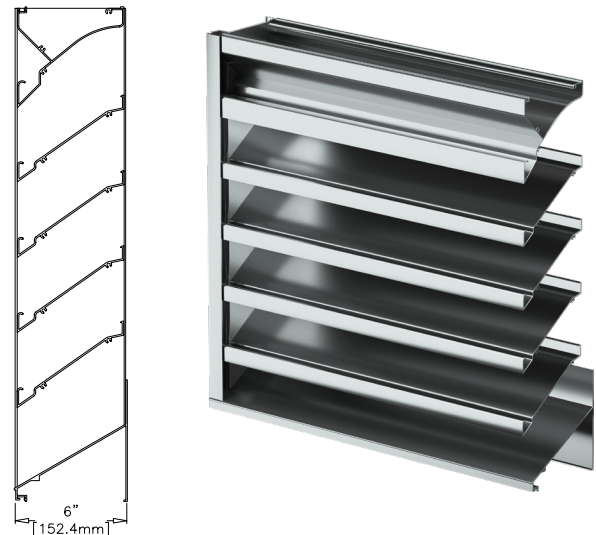


TECHNICAL DATA

Stock No.	Nominal Size	Actual Dimensions (Inches) Perimeter Tolerance $\pm 1/16"$ 1" Thickness Tolerance $\pm 1/32"$ 2" Thickness Tolerance $+0, -1/16"$	Actual Dimensions (mm) Perimeter Tolerance ± 1.6 22.2 Thickness Tolerance $\pm .8$ 47.6 Thickness Tolerance $+0, -1.6$	Filtering Area Ft ²
901	20 x 25 x 2"	19-5/8 x 24-5/8 x 1-7/8"	498.5 x 625.5 x 47.6	2.86
902	20 x 20 x 2"	19-5/8 x 19-5/8 x 1-7/8"	498.5 x 498.5 x 47.6	2.24
903	16 x 25 x 2"	15-5/8 x 24-5/8 x 1-7/8"	396.9 x 625.5 x 47.6	2.22
904	16 x 20 x 2"	15-5/8 x 19-5/8 x 1-7/8"	396.9 x 498.5 x 47.6	1.74
905	15 x 20 x 2"	14-5/8 x 19-5/8 x 1-7/8"	371.5 x 498.5 x 47.6	1.61
906	10 x 20 x 2"	9-5/8 x 19-5/8 x 1-7/8"	244.5 x 498.5 x 47.6	1.00
911	20 x 25 x 1"	19-5/8 x 24-5/8 x 7/8"	498.5 x 625.5 x 22.2	2.98
912	20 x 20 x 1"	19-5/8 x 19-5/8 x 7/8"	498.5 x 498.5 x 22.2	2.34
913	16 x 25 x 1"	15-5/8 x 24-5/8 x 7/8"	396.9 x 625.5 x 22.2	2.33
914	16 x 20 x 1"	15-5/8 x 19-5/8 x 7/8"	396.9 x 498.5 x 22.2	1.83
915	15 x 20 x 1"	14-5/8 x 19-5/8 x 7/8"	371.5 x 498.5 x 22.2	1.71
916	10 x 20 x 1"	9-5/8 x 19-5/8 x 7/8"	244.3 x 498.5 x 22.2	1.07

Standard Construction

Frame	Heavy gauge extruded 6063-T5 aluminum, 6 in. (152 mm) x 0.081 in. (2 mm) nominal wall thickness
Blades	Drainable design, heavy gauge extruded 6063-T5 aluminum, 0.081 in. (2 mm) nominal wall thickness, positioned 37° on approximately 4 in. (102 mm) centers
Louver Depth	6 in. (152 mm)
Construction	Mechanically fastened
Finish	Mill
Minimum Size	12 in. W x 12 in. H (305 mm W x 305 mm H)
Maximum Single Section Size	120 in. W x 120 in. H (3048 mm W x 3048 mm H) Limited to 70 sq. ft. (6.5 sq. m)
Wind Load	25 PSF (1.2 kPa)



Performance Ratings



Greenheck Fan Corporation certifies that the ESD-635 louvers shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Program. The AMCA Certified Ratings Seal applies to Water Penetration and Air Performance ratings.

Louvers were tested in accordance with AMCA Standard 500-L.

Performance of 48 in. x 48 in. (1219 mm x 1219 mm) Louver

Free Area	
Area	9.41 sq. ft. (0.874 sq. m)
Percent	58.8%
Performance at Beginning Point of Water Penetration	
Free Area Velocity	Above 1250 fpm (6.350 m/s)
Max Intake Volume	11,763 cfm (5.551 m³/s)
Performance at 6,000 CFM (2.832 m³/s) Intake	
Pressure Drop	0.061 in. wg (0.015 kPa)

Document Links

[Louver Finishes & Colors](#)
[Louver Product Selection Guide](#)
[Louver Products Catalog](#)
[Louver Warranty Statement](#)

Options and Accessories

- [Bird Screen](#)
- [Blank Off Panels](#)
- [Extended Sill](#)
- [Filter Rack/Filter](#)
- [Flange Frame](#)
- [Glazing Frame](#)
- [Hinged Frame](#)
- [Insect Screen](#)
- [Mounting Angles](#)
- [Security Bars](#)
- [Variety of Architectural Finishes](#)
- Welded Construction
- 0.125 in. (3 mm) Nominal Frame and/or Blade Thickness

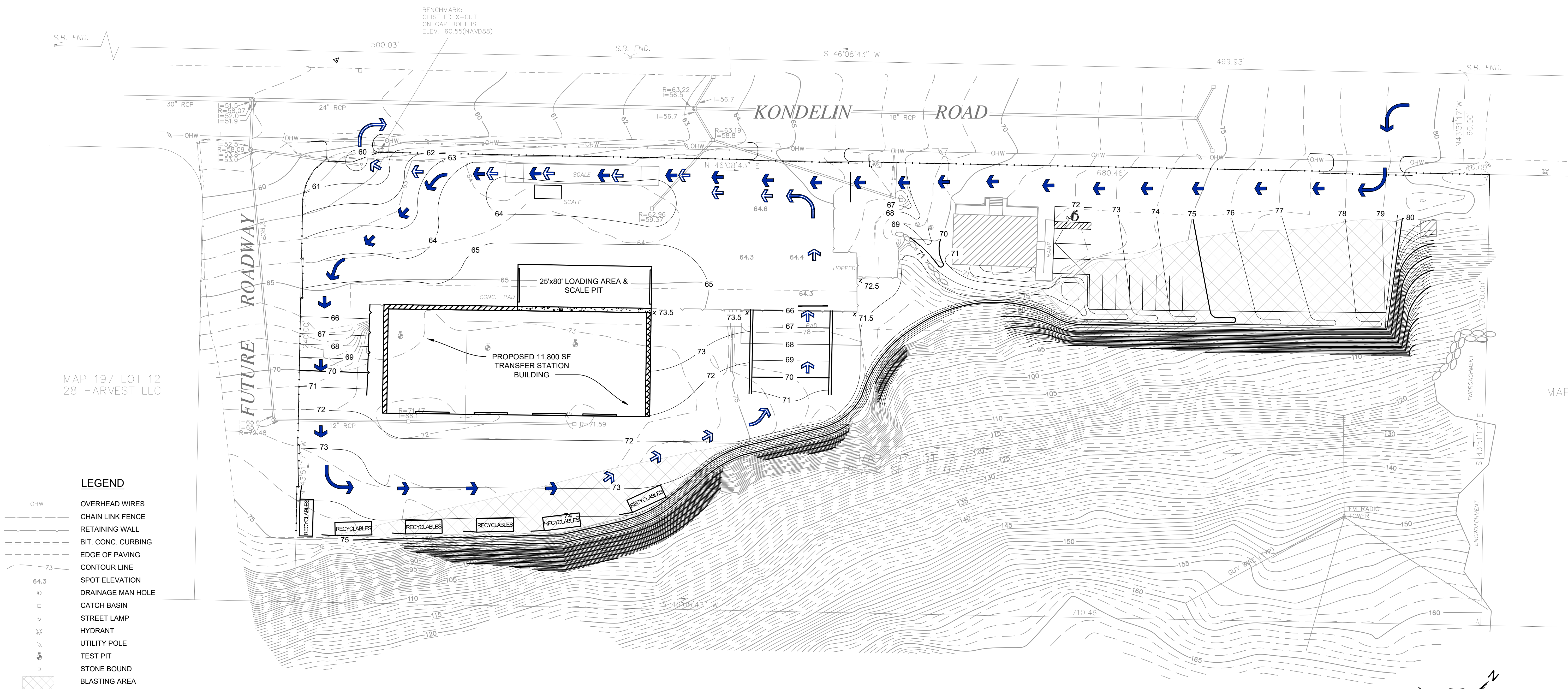
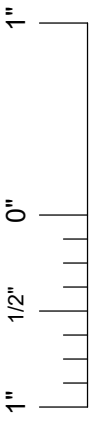
Standard Details

ESD-635 Standard Details

Structural reinforcing members may be required to adequately support and install multiple louver sections within a large opening. Structural reinforcing members along with any associated installation hardware is not provided by Greenheck unless indicated otherwise by Greenheck. Options and accessories including, but not limited to, screens, filter racks, louver doors, and blank off panels are not subject to structural analysis unless indicated otherwise by Greenheck.

ATTACHMENT E: RESIDENTIAL RECYCLING AREA OPTIONS 1 AND 2

File: H:\PROJECTS\EASTERN WASTE SERVICES\2022-17 SITE PLAN AND CONCEPT DESIGN\Project Drawings\Site Condition Plans_ Revised.dwg Layout: F161 User: JUSTIN.BORDO Oct 18, 2024 - 2:58pm



- LEGEND**
- OHW — OVERHEAD WIRES
 - CHAIN LINK FENCE
 - RETAINING WALL
 - BIT. CONC. CURBING
 - EDGE OF PAVING
 - 73 — CONTOUR LINE
 - 64.3 SPOT ELEVATION
 - ⊙ DRAINAGE MAN HOLE
 - CATCH BASIN
 - STREET LAMP
 - ⊕ HYDRANT
 - ⊕ UTILITY POLE
 - ⊕ TEST PIT
 - STONE BOUND
 - ▨ BLASTING AREA

- ➡ LOADED CUSTOMER VEHICLE FLOW PATH
- ➡ EMPTY CUSTOMER VEHICLE FLOW PATH

- NOTES:**
- EXISTING CONDITIONS SURVEY PERFORMED BY COUNTY LAND SURVEYS, INC., DATED NOVEMBER 25, 2022. TETRA TECH HAS NOT RESURVEYED TO VERIFY ACCURACY OF SAME.
 - WETLAND BOUNDARIES AND WETLAND HYDRAULIC CONNECTIONS / INTERMITTENT STREAMS WERE ACQUIRED FROM THE MASSMAPPER DEP WETLANDS LINEAR FEATURES AND USGS RIVERS AND STREAMS 25K LAYERS. BOUNDARIES WERE OVERLAID ON THE SURVEY MAP.
 - DATA FROM MASSMAPPER WAS ACCESSED IN SEPTEMBER, 2022.
 - THE RECYCLABLE MATERIAL CONTAINERS DEPICTED ON THIS FIGURE (A TOTAL OF APPROXIMATELY 6 CONTAINERS) ARE INTENDED FOR COLLECTION AND STAGING OF RESIDENTIAL RECYCLABLE MATERIALS, SUCH AS ELECTRONICS, FREON CONTAINING DEVICES, TIRES, METALS, MATTRESSES, AND CARBOARD. ACTUAL MATERIALS ACCEPTED WILL BE DETERMINED BASED ON OPERATIONAL AND MARKET CONDITIONS. SELECT RECYCLABLE MATERIALS MAY BE MANAGED IN DEDICATED AREAS WITHIN THE TRANSFER STATION BUILDING, SEPARATE FROM C&D WASTE MATERIALS AND IN A MANNER THAT MAINTAINS THE QUALITY OF THE RECYCLABLE MATERIALS.

This drawing represents intellectual property of Tetra Tech. Any modification to the original by other than Tetra Tech personnel violates its original purpose and as such is rendered void. Tetra Tech will not be held liable for any changes made to this document without express written consent of the originator.

MARK SWYKA, P.E.

[Signature] 10-8-24

MA P.E. Lic. No. 46691 Date

REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY
1	OCT. 2024		JLB	CMK/DCD	BPF	MAS

TETRA TECH

ALL PROFESSIONAL ENGINEERING WORK IS PERFORMED BY FULLY LICENSED PROFESSIONAL ENGINEERS UNDER THE APPROPRIATE STATE REGISTERED PROFESSIONAL ENTITY.

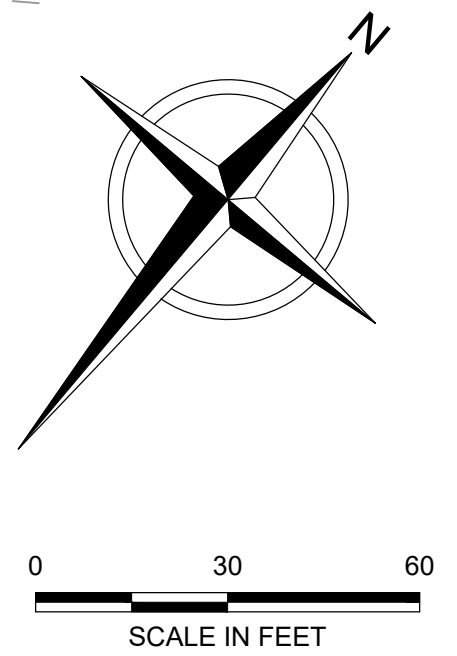
EASTERN WASTE SERVICES
TRANSFER STATION CONCEPT
CITY OF GLOUCESTER, MA

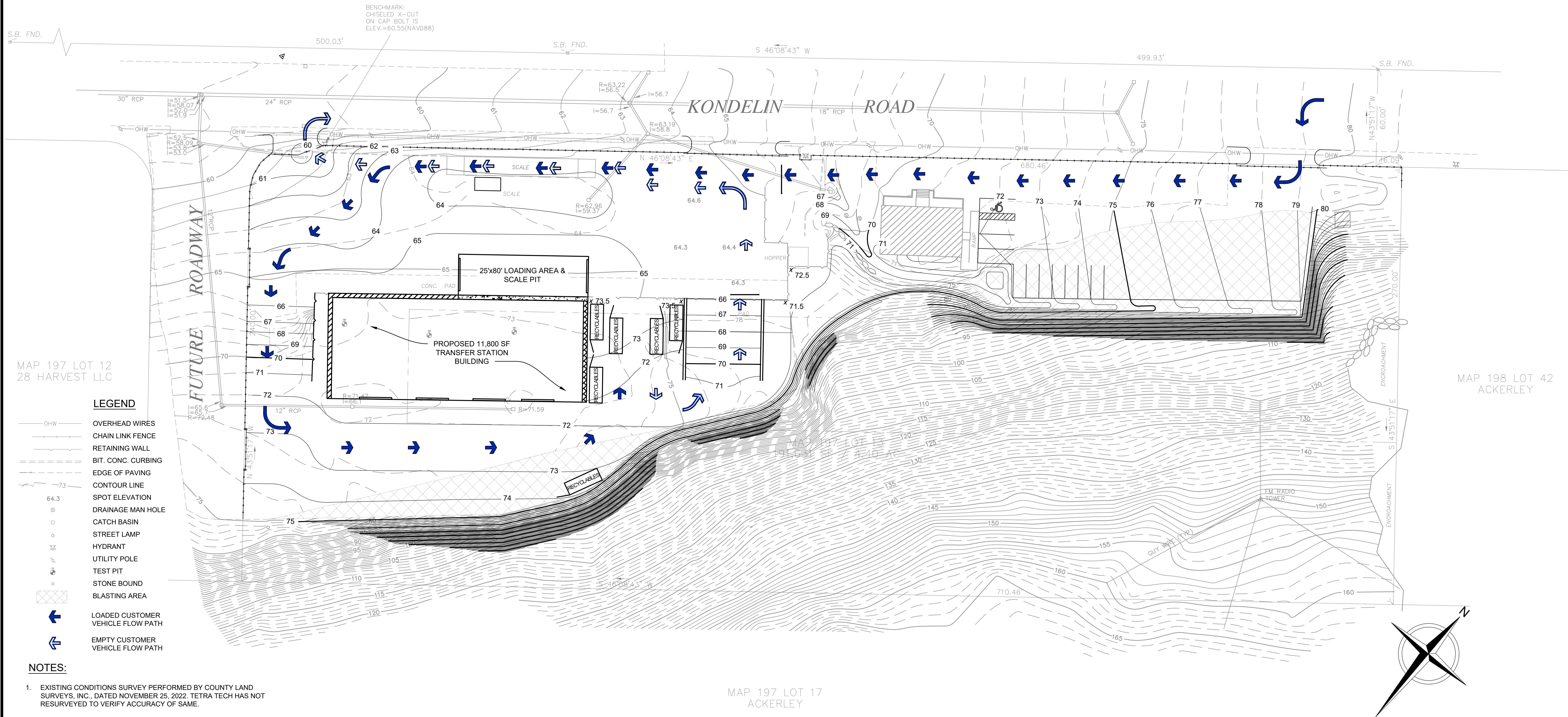
**PROPOSED RESIDENTIAL RECYCLING AREA
OPTION 1**

SHEET NO.
1

PROJECT NO.
4223523

FOR PERMITTING PURPOSE ONLY - NOT FOR CONSTRUCTION





FILE: H:\PROJECTS\EASTERN WASTE SERVICES\202202 - TS SITE PLAN AND CONCEPT DESIGN\Project Drawings\Site Condition Plans_Reviewed.dwg Layout: PRG2 User: JUSTIN.DVDY Oct 18, 2024 - 2:30pm

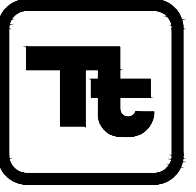
This drawing represents intellectual property of Tetra Tech. Any modification to the original by other than Tetra Tech personnel violates its original purpose and as such is rendered void. Tetra Tech will not be held liable for any changes made to this document without express written consent of the originator.

MARK SWYKA, P.E.

[Signature]
10-8-24

MA P.E. Lic. No. 46691 Date

REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY
1	OCT. 2024		JLB	CMK/DCC	BPF	MAS



TETRA TECH

ALL PROFESSIONAL ENGINEERING WORK IS PERFORMED BY FULLY LICENSED PROFESSIONAL ENGINEERS UNDER THE APPROPRIATE STATE REGISTERED PROFESSIONAL ENTITY.

EASTERN WASTE SERVICES
TRANSFER STATION CONCEPT
CITY OF GLOUCESTER, MA

PROPOSED RESIDENTIAL RECYCLING AREA
OPTION 2

SHEET NO.

2

PROJECT NO.
4223523