

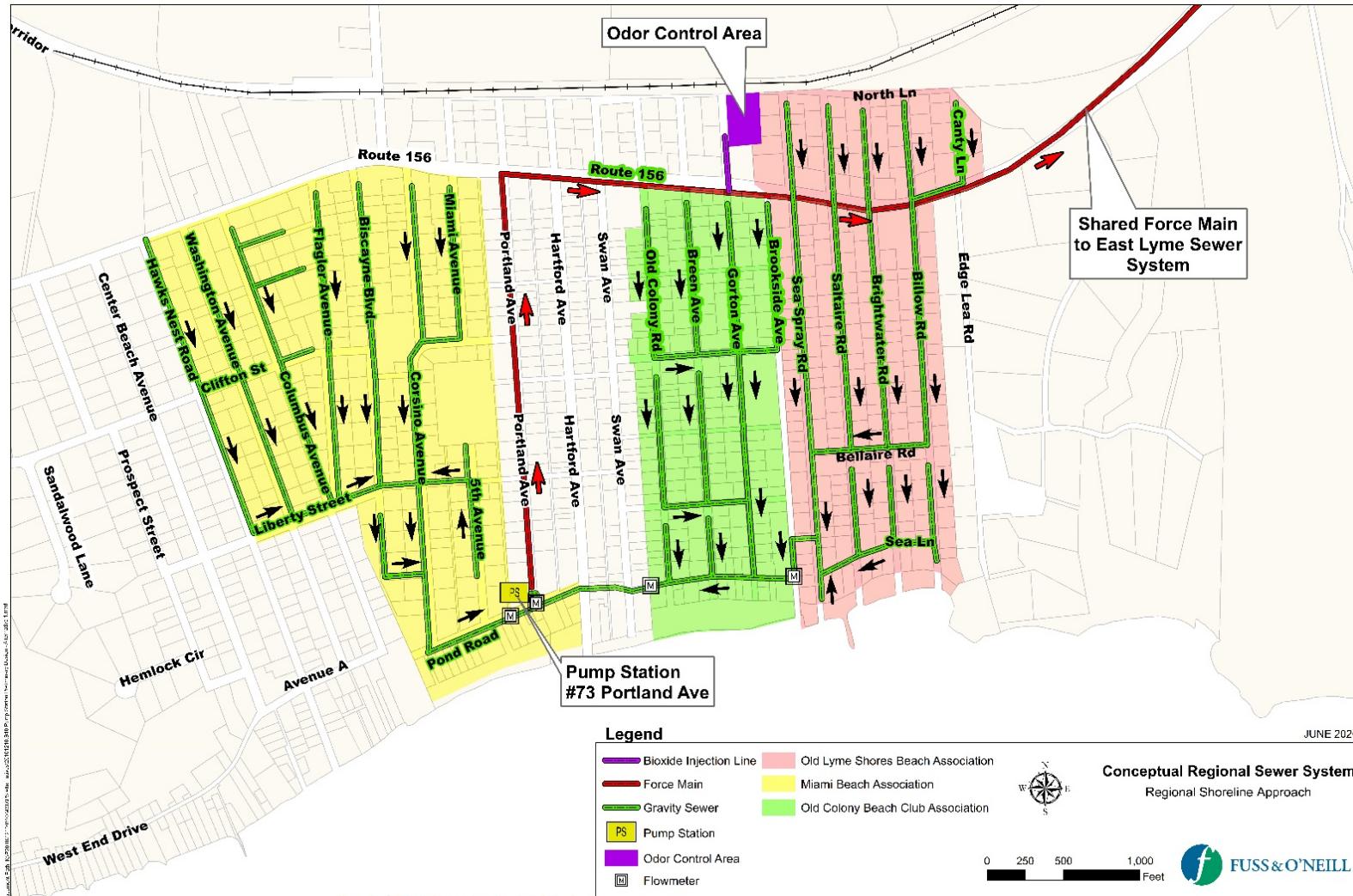


# Pump Station Odor Control System

- Why is it necessary?
  - Eliminates odors
  - Prevents corrosion in downstream collection system
  - Overcomes safety concerns associated with atmospheric hydrogen sulfide
  - East Lyme and New London require wastewater to be treated for odor control and corrosion
- How does it work?
  - Chemical solution will be injected into sewer force main (pipe) carrying wastewater from pump station to East Lyme
  - Wastewater flow from the pump station will be monitored and chemicals will be injected automatically into the sewer pipe.
- Is it safe?
  - Chemical solution is environmentally safe
  - It contains no hazardous substance
  - Secondary containment to be provided for tanks and pumps
  - Casing pipe provided for chemical injection line



# Odor Control System Location



- Proposed Odor Control System to be located in OLSBA “Ball Field” site
  - DEEP requires that the odor control system be located outside the flood zone and not attached to the pump station
  - Old Lyme Shores ball field is only location that meets all the DEEP requirements



# Odor Control Site Specifics

- Odor Control System to be housed in new 12'x'14' building
- New 12'x20' OLSBA storage shed to be provided as a result of siting  
biocide system at OLSBA “ball field”. Structures to be similar in  
appearance
- Utilities needed will be provided underground
- Security/motion sensor lighting to be installed on both structures
- 8 foot high perimeter fence with double leaf swing gate



# Existing Site



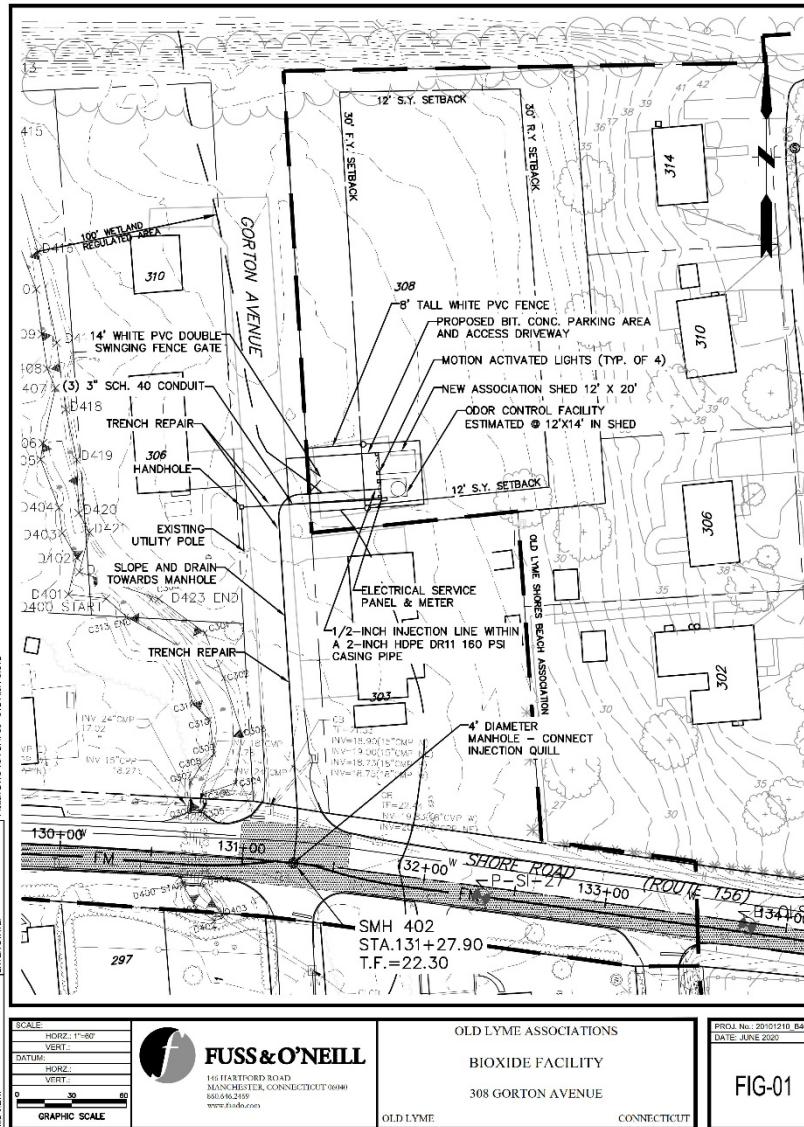


# Proposed Site Rendering





# Site Plan



File: Rain-JDover20101203BeachChips.dwg Share: InstantSave 19/20/2010 07:21:08 AM Layer: FIG-01 308 GORTON AVE Phase: Min. June 15, 2020 1:22 PM User: erwing

LAYER STATE:

IS NEW:

SCALE:

HORZ.: 1'-0"

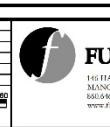
VERT.: 0"

DATUM:

HORZ.: 0"

VERT.: 0"

GRAPHIC SCALE:



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146 HARTFORD ROAD  
MANCHESTER, CONNECTICUT 06040  
860.946.2000  
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OLD LYME ASSOCIATIONS  
BIOXIDE FACILITY  
308 GORTON AVENUE  
OLD LYME  
CONNECTICUT

FIG-01  
PROJ. No. 20101210-B40  
DATE: JUNE 2020



# Bioxide System Details

NOTES:

1. THIS IS A CONCEPTUAL GENERAL ARRANGEMENT DRAWING ONLY. ACTUAL EQUIPMENT AND PIPING LOCATIONS MAY VARY. PAD & EQUIPMENT LAYOUT SHOWN ARE ONLY SUGGESTED.
2. CONTAINMENT CURBING IS NOT SHOWN OR INCLUDED.
3. CAUTION: DOOR ON SAFE L EXTENDS PAST PAD DIMENSIONS. MAINTAIN 36" CLEARANCE FOR PANEL ACCESS.
4. STUB-UP FOR ELECTRICAL CONDUIT AND DISCHARGE PIPING TO BE DETERMINED PER SITE PLACEMENT.

NOMENCLATURE

- |   |                                    |   |  |
|---|------------------------------------|---|--|
| ① | VDLT CONTROL PANEL                 | ⑥ | CHEMICAL FEED PUMPS                    |
| ② | #1/2" OVERFILL SIGHT TUBE ASSEMBLY | ⑦ | SS TANK PIPE/UTILITY STAND             |
| ③ | #2" FILL PIPING ASSEMBLY           | ⑧ | 3,000 GAL TANK: 7'-6" DIA, 10'-2" HIGH |
| ④ | #1/2" SUCTION PIPING ASSEMBLY      | ⑨ | PRESSURE LEVEL SENSOR ASSY             |
| ⑤ | CHEMICAL RETURN LINE               | ⑩ | FORCE MAIN CONNECTION                  |

