New Haven
Environmental Advisory Council
September 5, 2018

Murphy Road Recycling, LLC

19 Wheeler Street, New Haven Facility Upgrades

ANCHOR
ENGINEERING SERVICES, INC.

Murphy Road Recycling, LLC

19 Wheeler Street, New Haven Facility Upgrades

- Facility History
- Current Site
- Environmental Benefits Proposed Upgrades

Facility History

1930's to 1980's US Steel

Northeast Waste Management
- state and local permits for 967 tpd facility

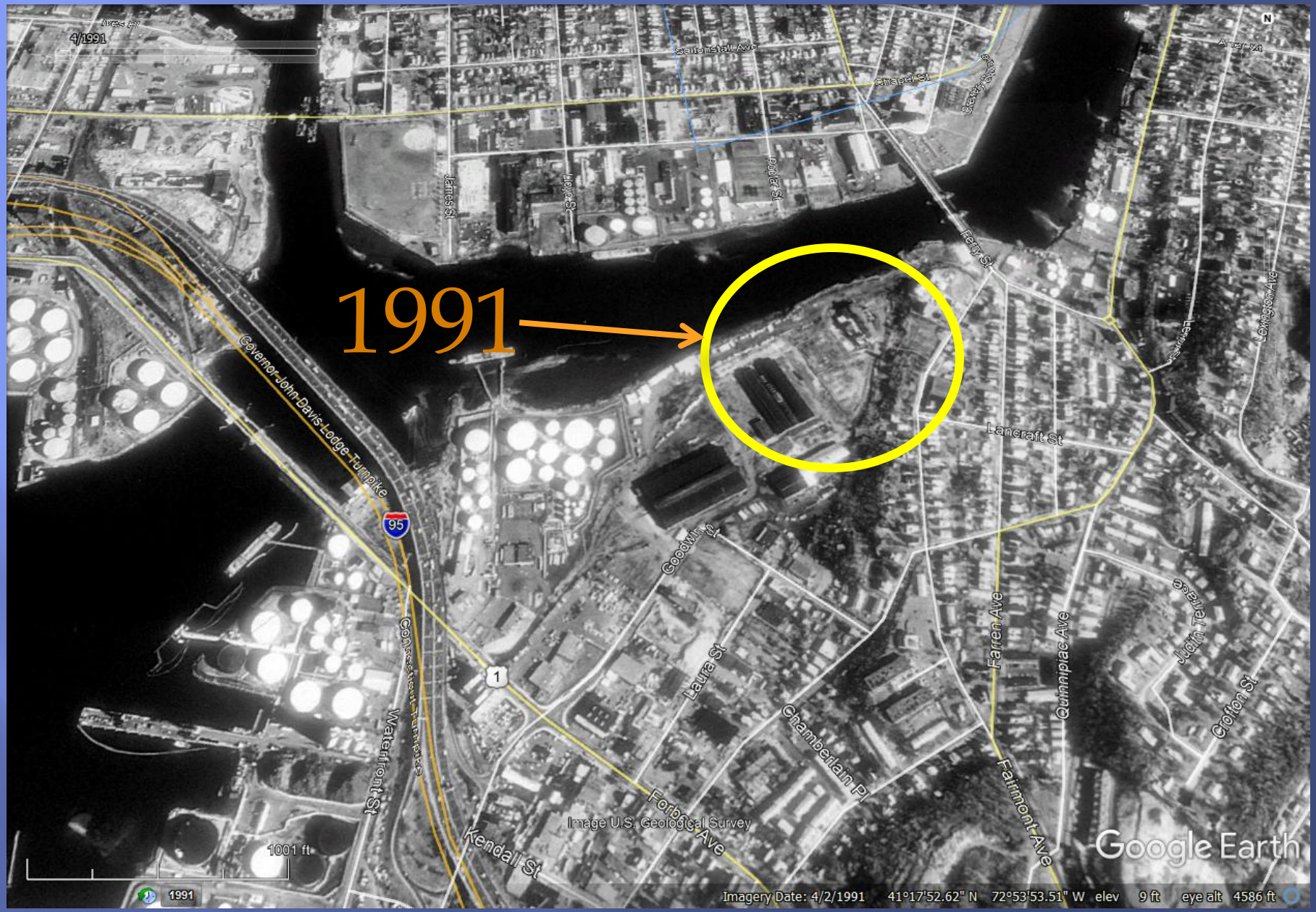
Waste Management
- acquired operations of Northeast Waste

Murphy Road & USA since 2007
- acquired CT operations Waste Management New Haven along with Waste Management's Operations in Central CT

Facility History
SINCE 2007

Murphy Road Recycling & USA:

- Upgraded Fleet
- Constructed CNG fuel station with Clean Energy
- Added non-putrescible MSW to 967 tpd permits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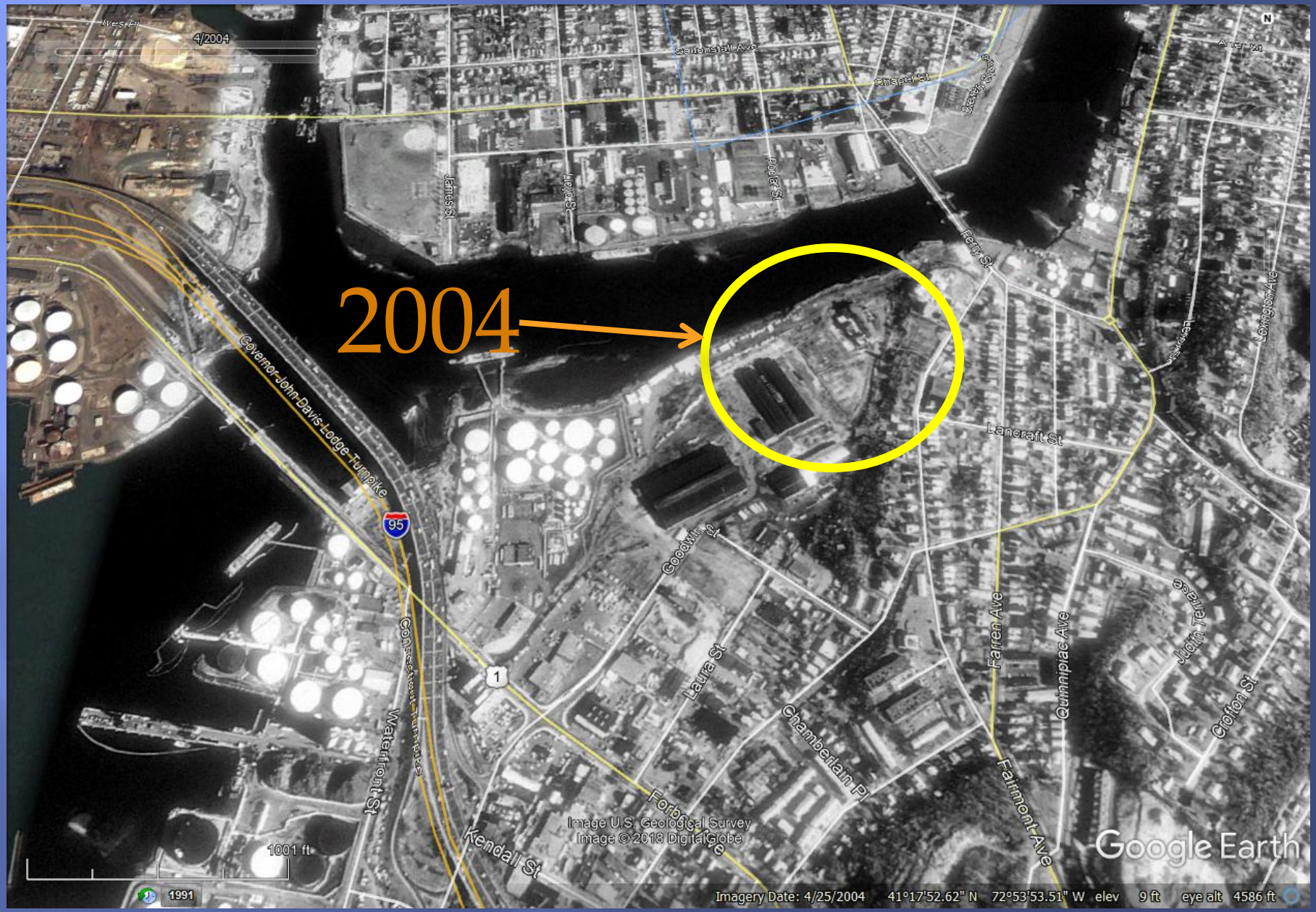
4/1991
Saltonstall Ave
Chapel St
James St
Lloyd St
Poplar St
Ferry St
Lancraft St
Governor John Davis Lodge Turnpike
95
Goodwin St
Laura St
Chamberlain Pl
Farren Ave
Quinnipiac Ave
Judith Terrace
Crofton St
Fairmont Ave
Forbes Ave
Kendall St
Waterfront St
Connecticut Turnpike
1
Image U.S. Geological Survey
1001 ft
Google Earth
Imagery Date: 4/2/1991 41°17'52.62" N 72°53'53.51" W elev 9 ft eye alt 4586 ft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Chamberlain Pl
Farren Ave
Quinnipiac Ave
Judith Terrace
Crofton St
Fairmont Ave
Waterfront St
Kendall St
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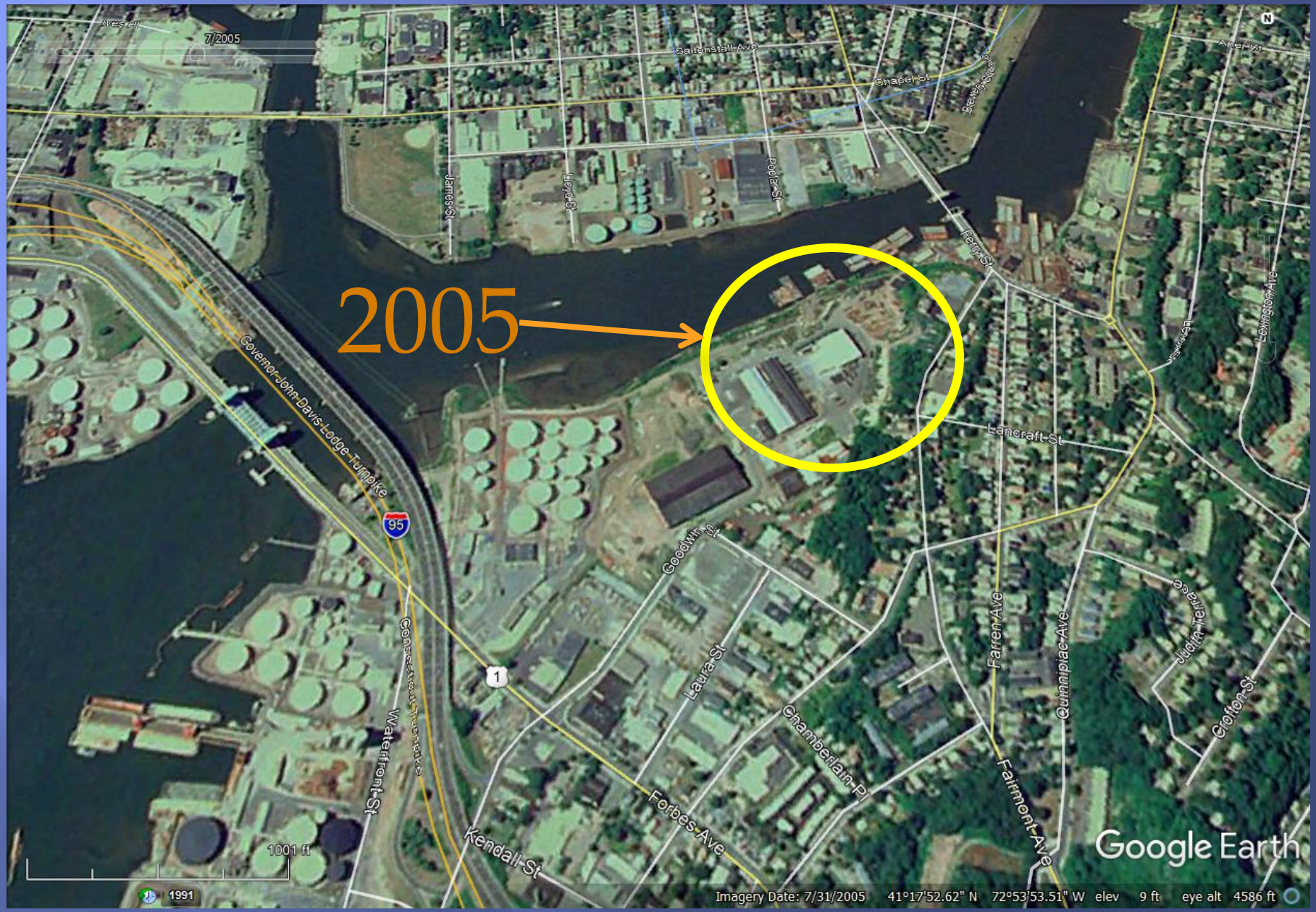
1001 ft
1991
Image U.S. Geological Survey
Image © 2018 DigitalGlobe
Google Earth
Imagery Date: 4/25/2004 41°17'52.62" N 72°53'53.51" W elev 9 ft eye alt 4586 ft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Forbes Ave
Kendall St
Waterfront St
Connecticut Turnpike
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Quinnipiac Ave
Fairmont Ave
Judith Terrace
Crofton St
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Google Earth
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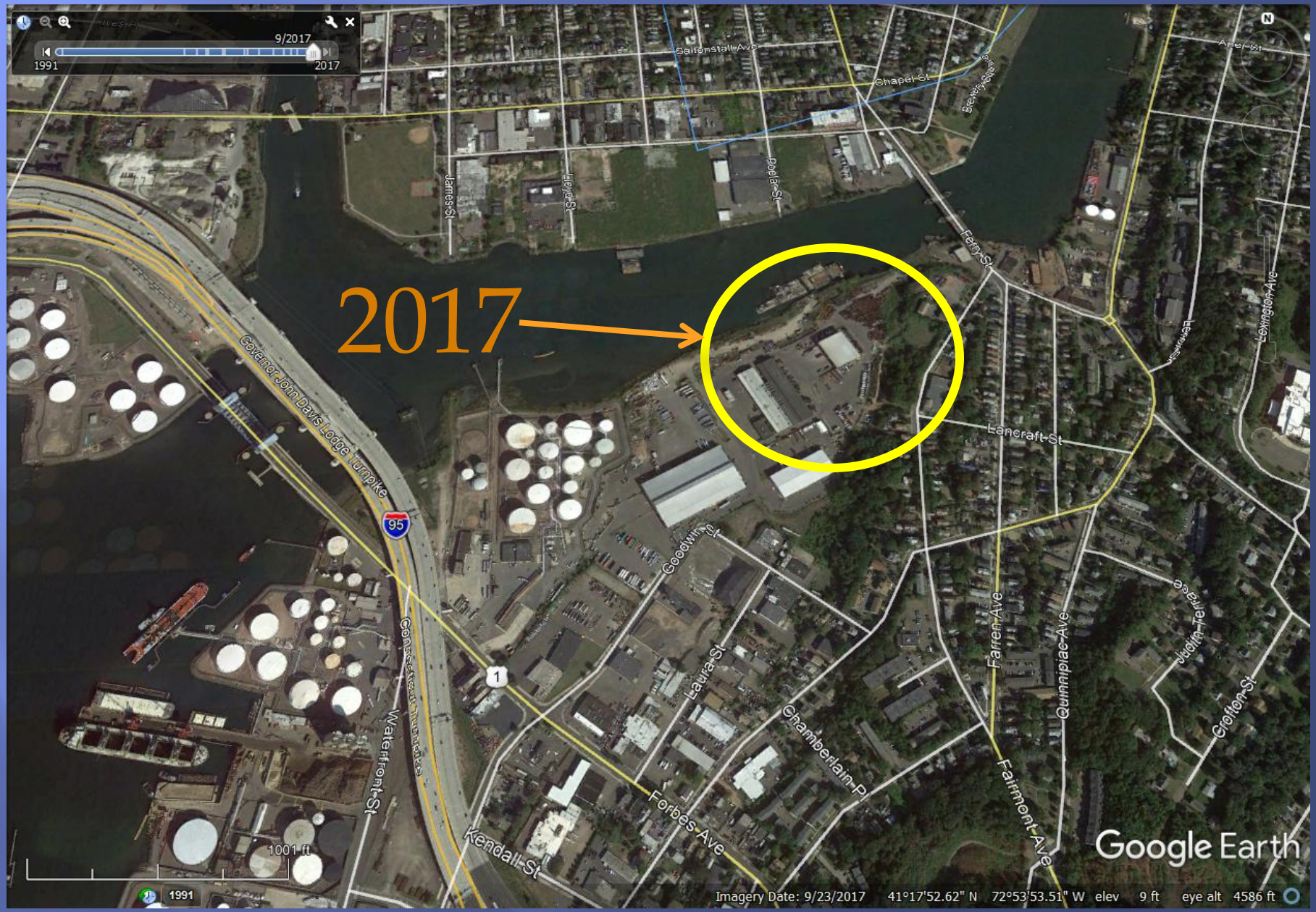

9/2017
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2017
2017
Salterstall Ave
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Lancraft St
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Laura St
Chamberlain Pl
Forbes Ave
Kendall St
Waterfront St
Farren Ave
Quinnipiac Ave
Fairmont Ave
Judith Terrace
Crofton St
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Google Earth
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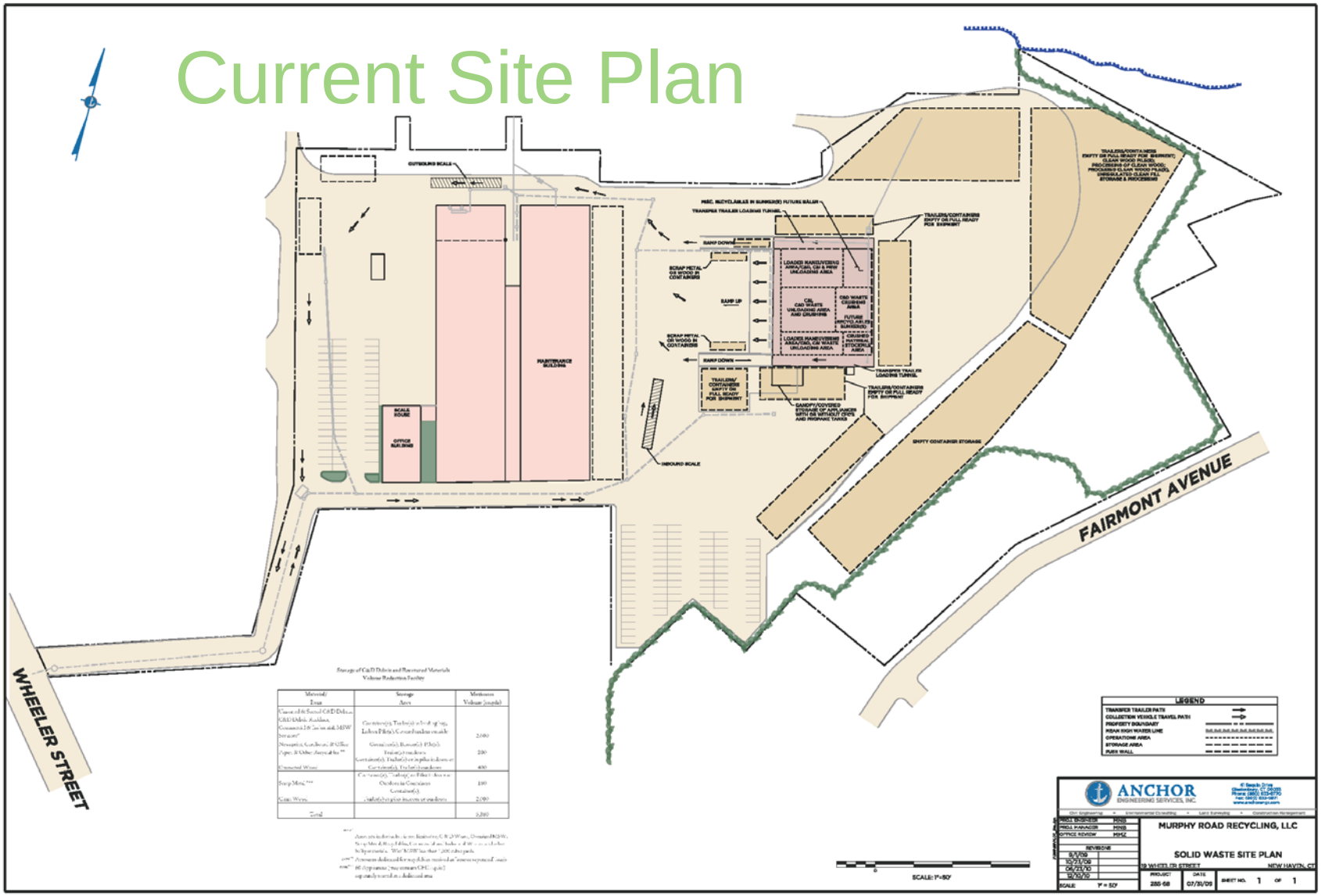
Current Site Plan

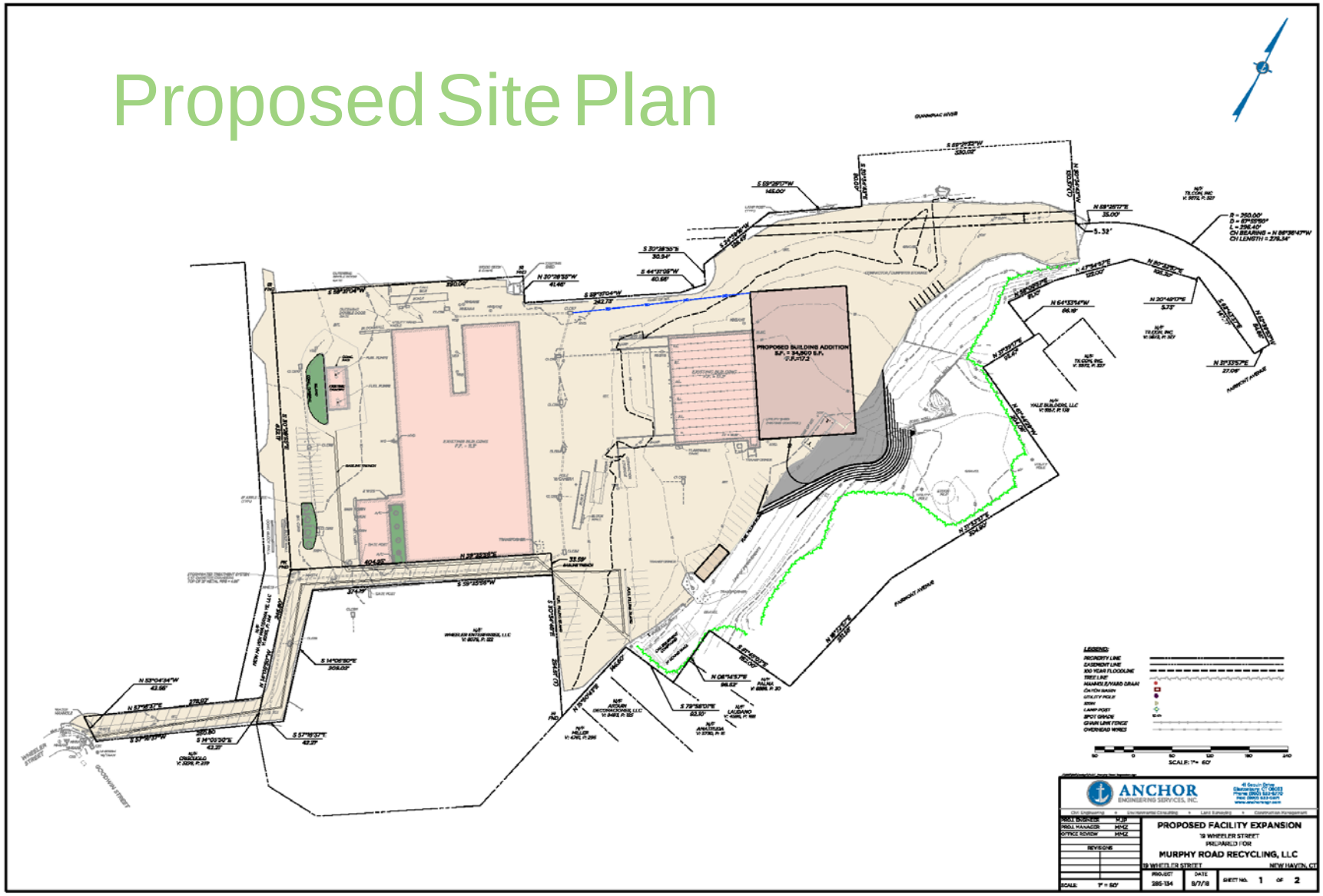


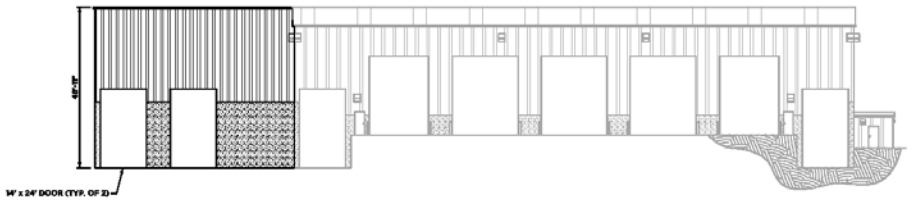
Storage of C&D Debris and Processed Materials
Volume Reduction Facility

Material/ Item	Storage Area	Maximum Volume (cu.yds)
Unsorted/Sorted C&D Debris, C&D Debris Residues, Commercial/Light Industrial MSW Streams*	Container(s), Trailer(s) in front of the Loftus Pile(s), Covered building or inside Green Area(s), Bunker(s), Pile(s), Trailer(s) or others Container(s), Trailer(s) or pile(s) in Green Area or others	2,000 200
Newspaper, Cardboard, & Office Paper, & Other Recyclables**	Container(s), Trailer(s) or pile(s) in Green Area or others	200
Unsorted Wood	Container(s), Trailer(s) or others	400
Scrap Metal***	Container(s), Trailer(s) or Piles(s) in Green Area or Outdoors in Container Container(s)	100
Grass Waste	Pile(s) in Green Area or others	2,000
Total		5,200

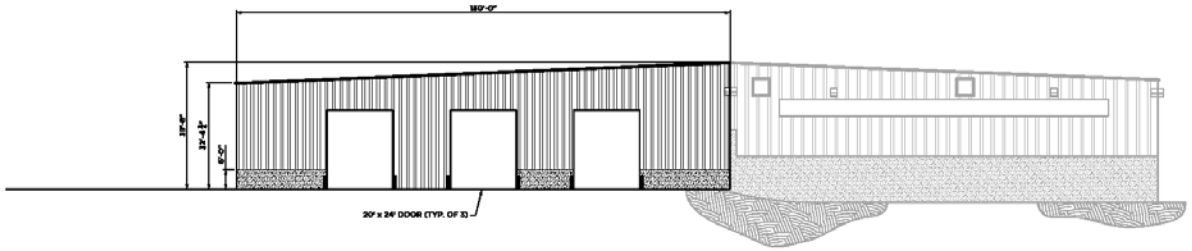
* Any waste not allowable by law, limited to C & D Waste, Unsorted MSW, Scrap Metal, Wood, Rubber, Concrete, and any bulky or MSW waste collected by the Department as "White Goods" but not "CFC" refrigerant pads.
** Newspaper, cardboard, office paper, & other recyclables are to be removed from the site on a daily basis.
*** All Appliances must remain CFC (refrigerant) equipped, sealed and labeled as such.

Proposed Site Plan

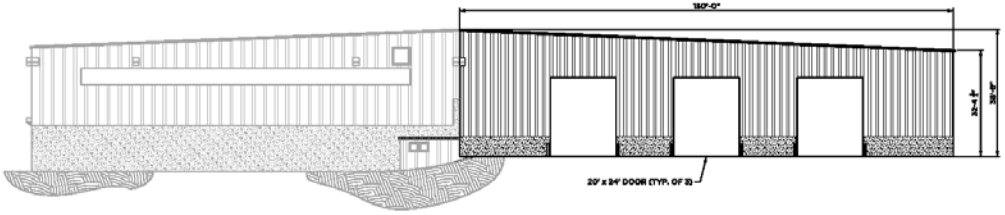




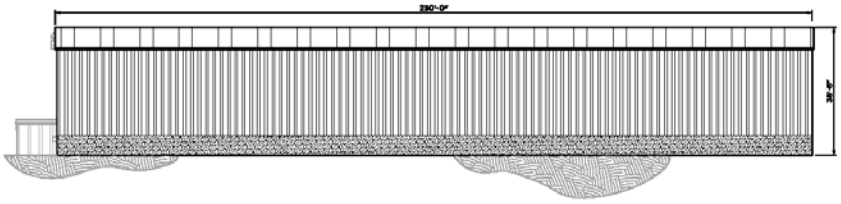
ELEVATION A



ELEVATION B



ELEVATION C



ELEVATION D

ANCHOR ENGINEERING SERVICES, INC.

Civil Engineering • Environmental Consulting • Land Surveying • Construction Management

PROJ. ENGINEER	MJP
PROJ. MANAGER	MMZ
OFFICE REVIEW	MMZ
REVISIONS	
SCALE:	1"= 1/16"

ELEVATION PLAN

PREPARED FOR

MURPHEY ROAD RECYCLING, LLC

PROPOSED FACILITY EXPANSION

18 WHEELER STREET NEW HAVEN, CT

PROJECT	DATE	SHEET NO.
SBS-134	8/7/18	1 OF 1

Materials Accepted

CURRENTLY

- Non-Putrescible MSW
  - ≤ 500 tons per day
- Non-Putrescible MSW and C & D Waste
  - ≤ 900 tons per day
- All Waste and Recyclable Material
  - ≤ 967 tons per day

PROPOSED

- Non-Putrescible MSW or Putrescible MSW
  - ≤ 500 tons per day
- Non-Putrescible MSW and C & D Waste
  - ≤ 900 tons per day
- All Waste and Recyclable Material
  - ≤ 967 tons per day

Sustainable & Efficient use of Resources

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Clean Wood and Used Construction Wood Recovered for Mulch, Animal Bedding and Wood Fuel

Sustainable & Efficient use of Resources

Steel, Aluminum and Red Metals are Routinely Recovered from Construction Debris and Used Furniture

Sustainable & Efficient use of Resources

Asphalt Bricks Concrete and Ceramics

Drywall Scraps

Landfill Space and Raw Materials Are Conserved through the effective Recovery of Materials from the Waste Stream

Cardboard, Boxboard & other Fibers

MSW Transfer

- Transfer Stations increase Efficiency and Decrease Emissions
- Each Transfer Trailer eliminates 3 direct hauls
- Total Road Miles of Travel for Recovered Recyclables removed as full loads of Recycled Materials are Delivered to Markets
- Efficiency Leads to Lower Costs and Higher Level of Competitiveness of Local Businesses

Environmental Safeguards

- MSW transferred first in, first out
- MSW delivered in covered loads or sealed containers
- MSW transferred only, no processing, no outdoor storage; when temporarily outdoors – loads are covered or in sealed containers
- MSW typically out same day, DEEP limits to 48 hours except holidays

Environmental Safeguards, cont.

- MSW tipped only indoors on an impervious floor with no drains
- Doors are closed at end of day when materials are not received
- Putrescible MSW is given special attention by the operators and in permit conditions

Environmental Safeguards, cont.

- Effective Odor Control System
- Facility is monitored by trained staff; permit conditioned audits, monitoring and reporting; and CT DEEP
- 24 hour telephone line for concerns, log of items maintained

Summary

Company is Experienced Industry Leader

Company has improved this facility & continues to invest in New Haven

Facility Changes will decrease overall truck traffic and result in fewer trips to site under maximum permitted tonnage

Facility Changes will decrease fuel consumption

Facility Changes will increase success rate in regional and statewide recycling

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