

Neighborhood Planning

## Richard White Way Town Facilities

### Five Year Plan

January 29, 2019

<http://www.fairfieldct.org/pwyard>

# Introductions

Michael Tetreau

First Selectman

Joseph Michelangelo

Public Works Director

Scott Bartlett

Public Works Superintendent

## Water Pollution Control (Sewer Plant)





## Water Pollution Control (Sewer Plant)

South side of Richard White Way



## **Water Pollution Control (Sewer Plant)**

- Capacity Rating 9.0 Million Gallons / Day (average basis)
- Serves commercial properties and 85% of residences
- Provides high level wastewater tertiary treatment, including nitrogen removal and disinfection
- Treated water discharged 2,000' offshore into Long Island Sound
- Annual operations self-supporting, largely through sewer use fees

## **Water Pollution Control (Sewer Plant)**

- Draft Comprehensive Facility Plan completed – in review by CT DEEP
- Plant will need an “upgrade” – a replacement of major components beyond service life
- Some Plant expansion may be necessary to plan for next 25 year horizon
- Current preliminary estimate \$60+M
- No funding approved
- Possible State Grants available at 20% level



# Fire Training Center



## Fire Training Center

- Completed May 2017
- Operations revised to lessen impacts:  
( Propane used for fires, hay fires, theatrical smoke, etc.; lighting)
- Communication protocols for notification established with neighbors
- Self Supporting Budget:

State Grant	\$70,000	40% of the school budget
Fire Training Fees Others	\$78,250	45% of the school budget
Fire Training Fees Fairfield	\$25,000	15% of the school budget

- No new building or expansion anticipated
- Tree planting screening will be included with Flood Barrier (State Funded)



## Fire Training School Area – 10-Year Growth



**Tighe&Bond**

## Conservation Garage

## Animal Control Facility



## Conservation Garage

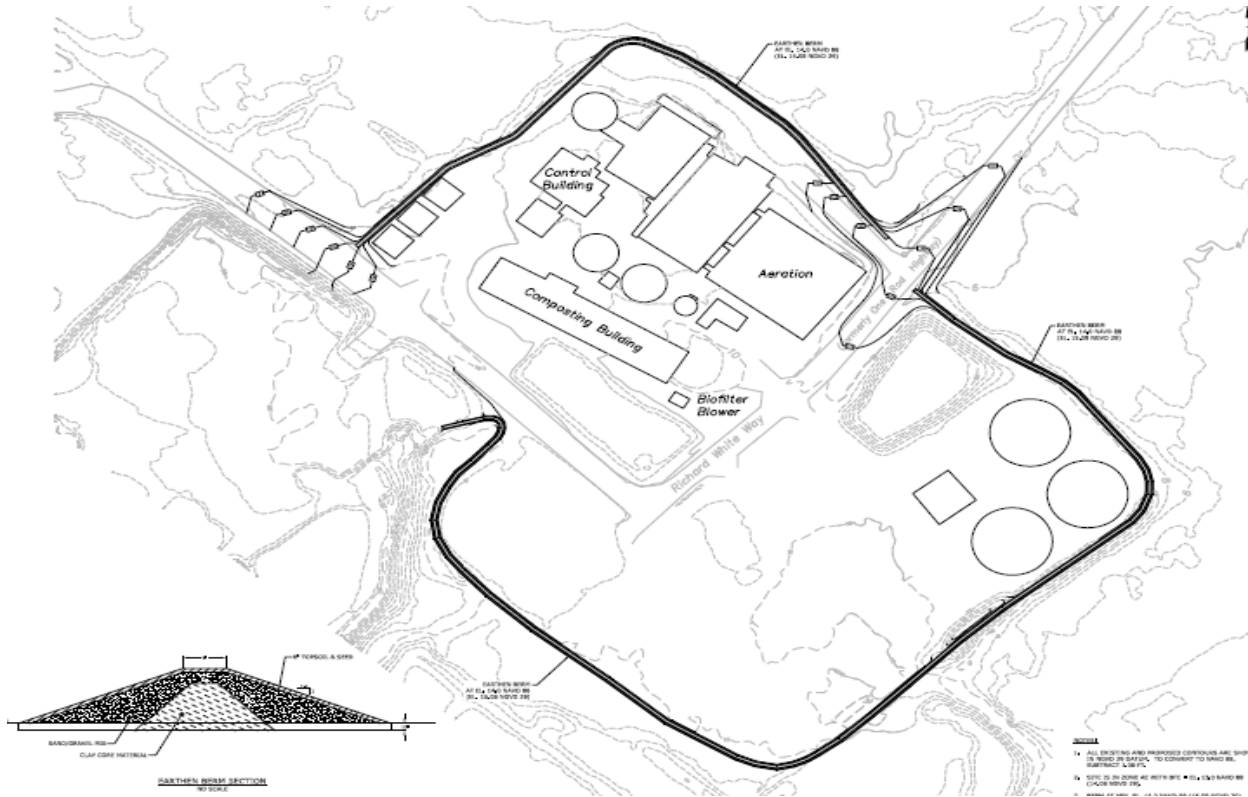
- Serves 4 full time employees & summer staff
- Oversee open space, inland wetlands, tidal marshes
- Duties include trail maintenance, tree trimming & removal, garbage collection, tide gates, fencing and signage
- Earthen Flood Barrier will be along the rear
- Obsolete equipment in the rear section will be disposed of

## **Animal Control Facility**

- Open 7 days per week
- Respond to emergencies 24 hours
- Dog walking pen added last year
- No future changes envisioned



# Flood Control Barrier Project (Hardening Project)



## **Flood Control Barrier Project**

- Final design had more steel piles than originally envisioned
- Public bids received 8/21/18
- Bids in excess of current grant and funding level
- Town is seeking additional State funds (CDBG-DR Grant)
- Additional WPCA money required
- Funding issues should be resolved in Spring 2019
- Construction to begin immediately afterwards
- Tree plantings will be included with Flood Barrier to provide screening

## Woody Debris Operations



## Woody Debris Operations

- Operated by Harvest New England
- Publically bid contract in place 8/1/17 to 12/31/22
- No charge to Public Works & Residents to dispose of material/receive wood chips
- Fire prevention measures written into contract
- FD & PW monitor temperature readings 3 times per week
- Visual inspection by PW each work day M-F
- Monetary penalties and/or termination for violation of Fire protocols



## School Bus Parking Lot



## **School Bus Parking Lot**

- Provides parking for 140 full size & 15 smaller busses
- Office trailers
- Parking lot for Bus Drivers & Public Works employees personal vehicles
- Gasoline fueling tank; busses fueled between AM & PM runs
- Most bus drivers leave property between AM & PM runs
- Trees and arborvitae planted to provide screening to the east
- Lighting adjusted where possible
- No suitable town property for relocation



## Transfer Station



## Transfer Station

- Accepts garbage & recycling from residents and haulers
- Material gets transported to Bridgeport & Shelton
- Deodorizer system in place
- 40 year old facility, several updates completed: compactor, scale, tipping floor
- Several updates planned: roll down doors, roofing, site drainage, guard shack
- Town always seeking ways to reduce solid waste & increase recycling
- Change in recycling markets have increase volume of recyclable on site



## Closed Landfill Solar Array



## **Closed Landfill Solar Array**

Landfill formally closed for 30 years

Solar array installed 2017

Provides 30% of electricity for Wastewater Plant

Hiking trails on property link Town Open Spaces and Recreation Properties



## Public Works Operations



## Public Works Operations

- All Public Works Function work out of this facility – 73 full time employees
- Serves Town Roads, Lots, Buildings, Grounds, Parks, Athletic Fields, Beaches, Marinas
- Functions includes paving, drainage, snow & ice, trees, building maintenance, vehicle maintenance & fueling
- Public Works Operations open every day (except 7 Holidays), 24 hours for snow & ice and emergencies
- Spoils and aggregate processing are conducted in southern portion of property, relocating to Aggregate Pile area more efficient
- No other alterations or expansions planned







## Aggregate Pile Site



## Aggregate Pile Site

- Landscape Berm substantially completed 6/30/17, punch list items in Fall 2017
- 60,000 CY of aggregate material inside of Landscape Berm
- Material will be tested and used as a constructed product
- Will create a level area inside of berm to conduct aggregate operations

## Aggregate Pile Site





## Aggregate Pile Site

- Spoils generated through Town construction activity on roads, sidewalks, buildings grounds, parking lots, sewer work, etc. will be brought to this location
- Material will be stored for processing and re-use
- No material emanating from a non-Town Project is accepted
- Town capital projects will provide for the disposal of material as part of the project specifications, and not be hauled to the Aggregate Pile
- Material not suitable for re-use (road sweepings, catch basing cleanings, beach combing) will be disposed of off-site

## Aggregate Pile Site

- Crush & screen material for re-use monthly to avoid large accumulation
- Keep different types of aggregate spoils separate, to facilitate future sorting and screening
- Town projects will specify the use of the recycled aggregate products wherever possible
- A Contractor will not run the operation
- A Contractor may be used to crush & screen periodically as needed
- Specialized equipment may be rented to crush & screen as needed
- Equipment and pile heights will be specified not to exceed the top elevation (45') of the Landscape Berm, as viewed from Fairfield Beach Road Peninsula and other neighborhoods

Thank you

<http://www.fairfieldct.org/pwyard>

Cost	\$ 4,292,000.00
Funding	\$ 2,861,400.00
Shortfall	\$ 1,430,600.00