

Fairfield Beach Neighborhood Meeting

Public Work Yard

FEBRUARY 22, 2017

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

INTRODUCTIONS

First Selectman,
Michael Tetreau

Town Attorney,
Stanton Lesser

Public Works Director,
Joseph Michelangelo

Public Works Superintendent,
Scott Bartlett

Conservation Director,
Brian Carey

Health Director
Sands Cleary

Fire Chief, Denis McCarthy

Fairfield Beach Road Association
President,
Charles Abercrombie

Fairfield Peninsula Association President,
Patti Zecchi

Cindy Knight, LEP
Logical Environmental

Robert Graberek, LEP
Osprey Environmental

OVERVIEW

FIRST SELECTMAN, MICHAEL TETREAU

REVIEW

- Julian Operations was scheduled to end 12/15/17
- Town monitored operation through LEP inspecting, personnel, video camera
- Relationship increasingly confrontational
- 30 days following to remove all equipment and demobilize after 12/15/17

CONTAMINATION - TIMELINE

11/29/17 – Logical LEP collected soil samples during periodic site inspection

12/13/17

- Town received notice of hits for PCBs and lead
- First Selectman & Town Attorney notified
- Julian was directed to vacate the site that afternoon
- CT DEEP notified immediately – came to site by end of day

CONTAMINATION - TIMELINE

As directed by CT DEEP on 12/13/17:

- No Julian personnel to enter the site or the trailer
- All electronic and hard copies of the records to be preserved
- Equipment on-site possibly contaminated. No equipment to leave the site until certified clean
- Area in question needs to be covered ASAP to prevent airborne transport and water runoff

TIMELINE

12/14/16 Town Contractor tarped area as required

Osprey LEP took soil & air samples as part of Stormwater permit – an additional “hit” for PCBs

- Since early contact with CT DEEP – one site visit, non committal and limited involvement. Their role may increase based on testing

TIMELINE

“HITS”

Element	Date	Measured	CTDEEP RSR Standards		
			Industrial	Residential	“RCRA” Haz Waste
PCB	11/29/16	6.8 ppm	10 ppm	1 ppm	N/A
PCB	12/14/16	13.4 ppm	10 ppm	1 ppm	N/A
TCLP Lead (Measures leachability of Lead)	11/29/16	10.6 ppm	N/A	N/A	5.0 ppm

*All standards presented in Part Per Million (PPM) or (mg/kg)

TIMELINE

- Jan 2017 Town & Julian negotiating agreement for scope of sample collection and testing
- 1/6/17 Julian demanded removal of their equipment – their consultant performed wipe samples on equipment
- 1/17/17 Julian begins dismantling and removing equipment based on results of wipes
- 2/13/17 Samples collected from test pits over a 3 day period

TIMELINE

Ongoing

- Sample to be analyzed for PCBs, lead, and asbestos by independent State Certified Laboratory
- Compilation and review of laboratory data to determine the degree and extent of the contaminated material
- Additional sampling may be required
- Results will dictate the development of Remedial Action Plan

TIMELINE

Depending on the extent of contamination:

- LEP will develop a Remedial Action Plan (RAP) to address contaminants within the area.
- Remedial Action Plan will be reviewed by Town
- Contingent on the data not exceeding thresholds of Toxic Substances Control Act (TSCA)

TIMELINE

- Possible Submission of Site Sampling Characterization Results & Remedial Action Plan to EPA for 30 day review.
- Possible Submission to CTDEEP PCB group and the Local health department.
- Proposed remediation may begin within 30 days pending comments

TIMELINE

Possible remediation :

- Excavate and remove hot spots delineated during initial sampling
- Place impacted soil in lined, covered roll-offs for future transport to certified landfill facility
- Collect Post Excavation Soil Samples
- Complete post remediation verification samples and prepare Remedial Action Report (RAR) of the findings
- LEP verifies cleanup completed to CTDEEP and EPA regulations

TIMELINE

Continue with previous anticipated plan:

- Submission of Landfill Capping, Grading & Monitoring plan to CT DEEP WEED for approval.
- Referral of proposed Landfill Capping, Grading & Monitoring plan to local P&Z, Conservation
- Site work by the Town to grade and install berm can commence.
- Establish grades, loam & seed, plantings and fence.

Environmental

Sampling of stormwater discharges will continue on a quarterly basis.

Installation of groundwater monitoring wells to be installed upon acceptance of a plan by the DEEP WEED

Material used from the site tested according to CT DEEP protocol

All sampling & testing in conjunction with DEEP WEED:

- Location, depth, and construction of groundwater monitoring wells
- Parameters to be tested, and the frequency and duration of the groundwater monitoring program.

Pile Size - Reported by Julian

	<u>Outbound</u> (Tons)	<u>Inbound</u> (Tons)	<u>Decrease (Increase)</u> (Tons)
12/2013 - 6/30/2014	1,154	16,871	(15,717)
7/1/2014- 12/31/2014	1,784	18,231	(16,447)
1/1/2015 - 6/30/2015	11,873	39,647	(27,774)
7/1/2015 - 12/31/2015	27,930	35,910	(7,980)
1/1/2016 - 6/30/2016	60,996	6,753	54,244
7/1/16 - 12/9/16	<u>132,962</u>	<u>25,995</u>	<u>106,967</u>
Totals	236,699	143,406	93,293

Pile Size - Reported by Julian

Converted to cubic yards

	<u>Outbound</u> (CY)	<u>Inbound</u> (CY)	<u>Decrease (Increase)</u> (CY)	
12/2013 - 6/30/2014	824	12,051	(11,226)	
7/1/2014- 12/31/2014	1,274	13,022	(11,748)	
1/1/2015 - 6/30/2015	8,481	28,319	(19,839)	
7/1/2015 - 12/31/2015	19,950	25,650	(5,700)	
				(42,813)
1/1/2016 - 6/30/2016	43,569	4,823	38,745	
7/1/16 - 12/9/16	<u>94,973</u>	<u>18,568</u>	<u>76,405</u>	
Totals	169,071	102,433	66,638	

Converted to Cubic Yards using 1.4 Tons/Cubic Yard

Pile Size

Calculated from aerials/field surveys

Snapshot of Amount of Material On Site

<u>Data Source</u>	<u>Date</u>	<u>CY</u>	<u>Increase (CY)</u>
LIDAR	Apr-05	33,516	
Town Survey	Nov-08	31,195	
LIDAR	Apr-12	34,019	
GBRC Topo	Apr-13	29,116	
Town Survey	Jun-16	94,832	65,716
Town Survey	Jan-17	106,564	11,732

Quantity of Material over elevation 30 feet.

Pile Size

Summary of Previous Data Sheets

				<u>Julian Reported</u>	<u>Calculated</u>
April 2013	to	June 2016		Increase of 4,067 CY	Increase of 65,716 CY
July 2016	to	Dec 2016		Decrease of 76,405 CY	Increase of 11,732 CY

Summary of Future Plan

- Remediate contaminated material
- Construct landscape berm
- Reduce the size of remaining pile through re-use
- Develop long range plan for continued use of property and reuse/disposal of Public Works material
- Provide email updates to residents every 2 weeks
- Set a regular Public Meeting schedule every 2 months

Site Map



Slides from Previous Meetings

Town historically used land on Richard White Way (formerly One Rod Highway) for municipal purposes

Landscape Berm to provide barrier to south & west

Slopes to an elevation of 45', 10' high fence to elevation of 55'

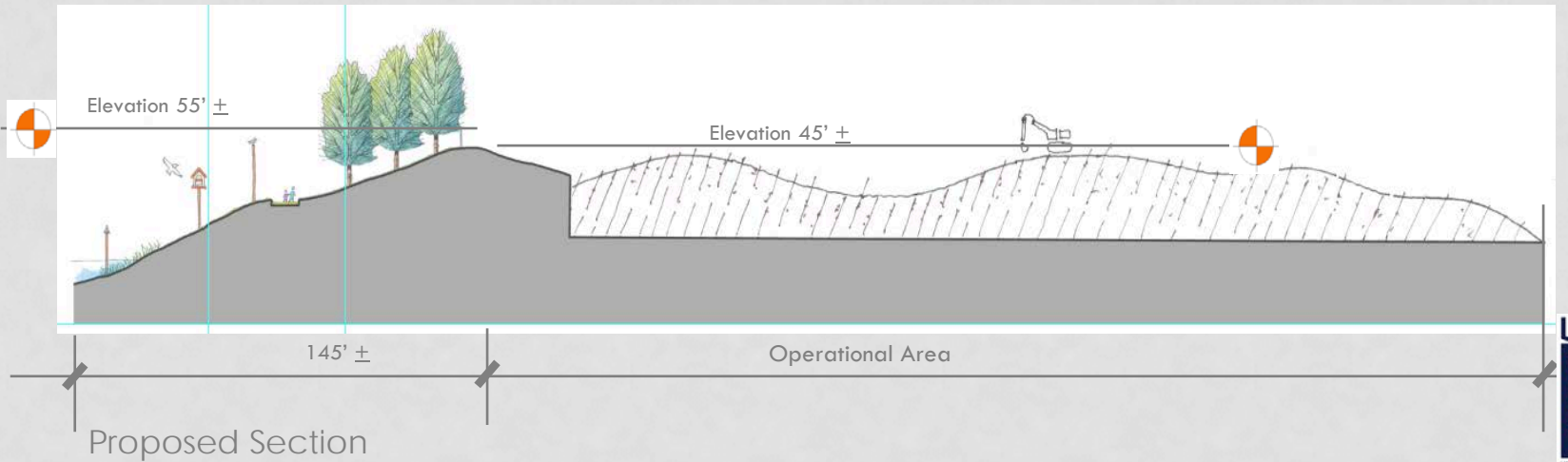
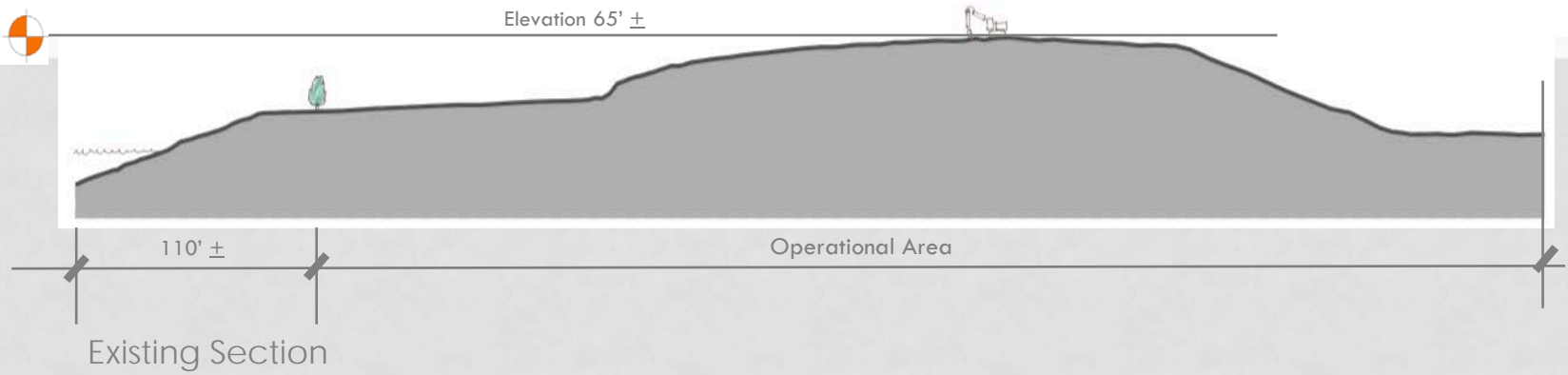
Slopes to be loamed, seeded, and plantings

Water runoff over vegetated slope

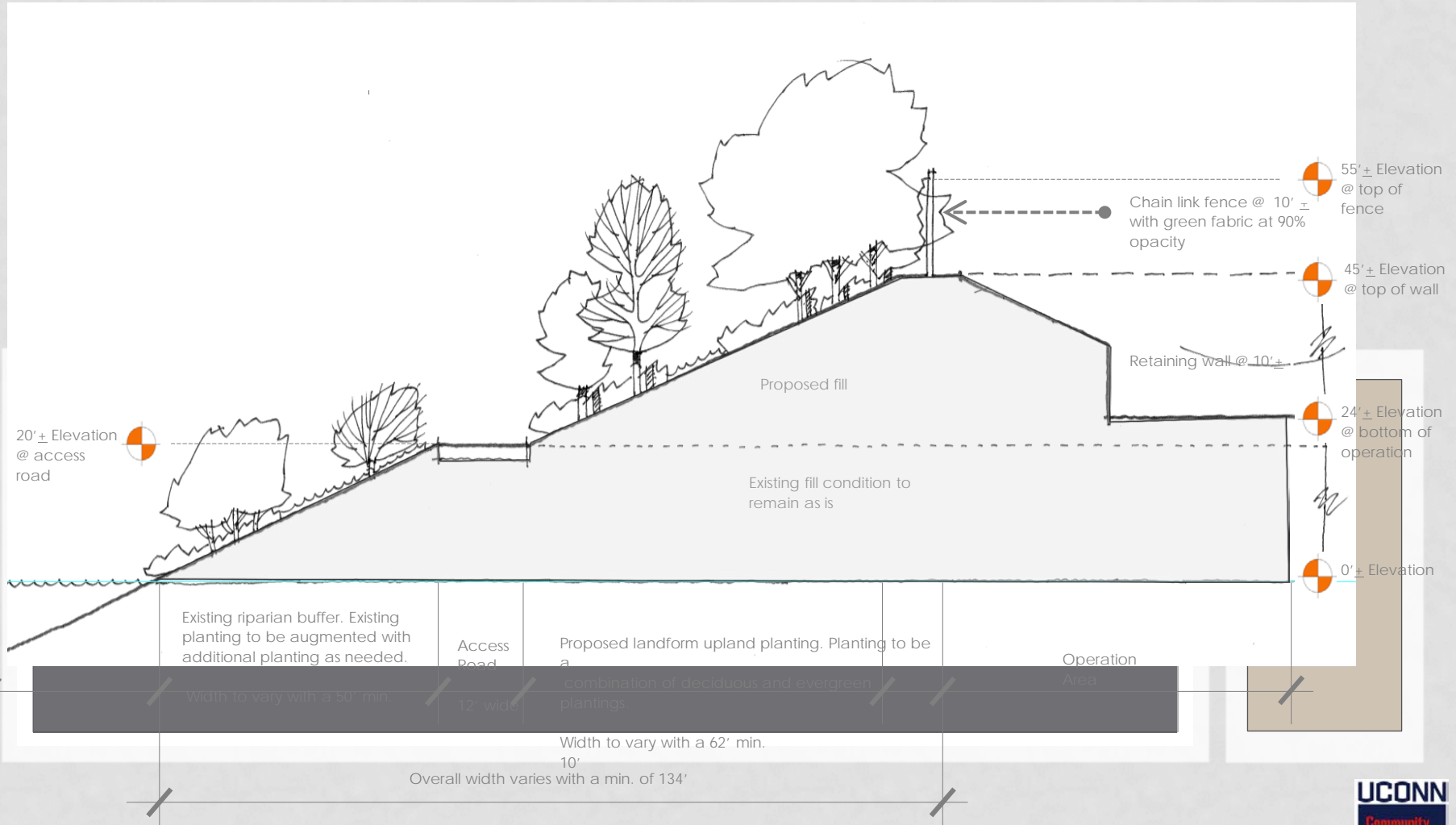
Interior drainage controlled & managed through storm drainage structures

Criteria for material to be used as part of berm to be approved by CT DEEP WEED

Cross Section



Cross Section



Environmental –

Met with David McKeegan of WEED on 9/28/16
(CT DEEP Waste Engineering & Enforcement Division)

Plans to be submitted to CT DEEP WEED for Landfill Closure Plan approval

In conjunction with Landscaped Berm

Surfaces designed to avoid water percolation into core

Consolidated soils in place for years create a barrier over the MSW (municipal solid waste)

CT DEEP expected to have comments regarding Coast Area Management and Stormwater Permit

Plans submitted to Town P&Z, Conservation, and CT DEEP

Landscape Berm & Landfill Closure Construction

Construction to begin after obtaining of approvals

LEP will examine loads to be used in berm, to meet CT DEEP WEED standards

30,000 CY + of material to be consumed by the construction of berm.

Budget amount \$79k using operating budget, no special appropriation

Use mostly existing Public Works employees and equipment

Monitoring wells installation – cost to be determined

Future Public Works Operations -

Town generates material through:

Road projects, sidewalk work, parking lots, town buildings & grounds, parks, athletic fields, and beaches, road weeping, cleaning of storm drainage systems

Maintain separate spoils piles of concrete, asphalt, general fill, sweeping, topsoil, clay, etc. Town may need to crush material

Re-used in appropriate locations where possible, as soon as possible

Unacceptable spoils possibly hauled and disposed out of Town (street sweeping, catch basin cleaning, drainage outlets)

Thank you

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