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DRIVE RESULTS

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WOODARD &CURRAN

AGENDA

Wastewater Management Plan Project – Town of Old Lyme

Wastewater Task Force Meeting

June 11, 2013, 7:30 pm (Town Hall Meeting Room)

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1. Updates Since Last Meeting on May 14, 2013
   a. CWF Application being reviewed by CT-DEEP
   b. Design phases for OCBCA and OLSBCA authorized by CT-DEEP (interconnections to East Lyme)
   c. Borings, monitoring wells, and test pit work completed (see attached figures)
   d. Conducted slug-out tests at monitoring wells on May 31st
   e. Soil conditions at Cherrystone site look favorable; disposal capacity estimates pending collection of groundwater data and mounding analysis
   f. Researching potential reuse opportunities, in conjunction with permanent sub-surface effluent disposal
   g. Preliminary ranking of sub-areas (see attached figure) based on wastewater needs analysis (parameters include lot size, topographic description, location, utilities and soils permeability)
   h. Preliminary summary of potential sewer connections and flow by sub-area developed (see attached)
   i. Schedule update (see attached; changes noted in yellow)
2. Anticipated Work Prior to Next Meeting on July 9, 2013
   a. Preliminary financing evaluation (Toby Fedder) to commence; emphasis on unit costs, initial phasing, and post-construction O&M cost allocation
   b. Continue to monitor groundwater and review soils testing results
   c. Estimate approximate sub-surface disposal capacities at Cherrystone and Black Hall, together with reuse opportunities(Don Iannicelli)
   d. Update cost matrix to include sewer alternatives and treatment costs
3. Questions, Comments and Discussion

Table 1
Summary of Anticipated Key Milestones
Wastewater Management Plan Project - Woodard & Curran
Old Lyme, CT
Updated on June 11, 2013

Project Task	Sub-Task Description	Anticipated Date
Task 1 - Grant Funding and Finance Assistance (CWF Ineligible)	CWF Pre-Approval	4/3/2013
Task 2 - Project Initiation and Key Meetings	Town Meeting Approval	4/9/2013
Task 1 - Grant Funding and Finance Assistance (CWF Ineligible)	Executed Agreement	4/15/2013
Task 3 - Evaluation of Sub-Surface Disposal and Reuse Alternatives	Negotiate Access with Property Owners	4/23/2013
Task 1 - Grant Funding and Finance Assistance (CWF Ineligible)	Submit CWF Application	5/6/2013
Task 3 - Evaluation of Sub-Surface Disposal and Reuse Alternatives	Meeting with CT-DEEP on Soils/GW Testing Plan	5/8/2013
Task 2 - Project Initiation and Key Meetings	Wastewater Task Force Meeting	5/14/2013
Task 3 - Evaluation of Sub-Surface Disposal and Reuse Alternatives	Start Installing Borings/Monitoring Wells	5/20/2013
Task 2 - Project Initiation and Key Meetings	Wastewater Task Force Meeting	6/11/2013
Task 4 - Prioritization of Wastewater Needs in Project Area	Wastewater Needs Summary Memo	6/14/2013
Task 3 - Evaluation of Sub-Surface Disposal and Reuse Alternatives	Finish Soils/Groundwater Field Work	7/5/2013
Task 2 - Project Initiation and Key Meetings	Wastewater Task Force Meeting	7/9/2013
Task 3 - Evaluation of Sub-Surface Disposal and Reuse Alternatives	Hydrogeological Monitoring	7/19/2013
Task 6 - Evaluation of Wastewater Collection Alternatives	Collection Alternatives Summary Memo	7/19/2013
Task 2 - Project Initiation and Key Meetings	Workshop #1 - Collection/Treatment	7/30/2013
Task 3 - Evaluation of Sub-Surface Disposal and Reuse Alternatives	Disposal/Reuse Summary Memo	8/13/2013
Task 5 - Evaluation of Wastewater Treatment Alternatives	Wastewater Treatment Alternatives Summary Memo	8/6/2013
Task 7 - Evaluation of Regional Wastewater Management Alternatives	Regional Alternatives Summary Memo	8/6/2013
Task 2 - Project Initiation and Key Meetings	Wastewater Task Force Meeting	8/13/2013
Task 2 - Project Initiation and Key Meetings	Workshop #2 - Disposal/Reuse	8/27/2013
Task 8 - Development of Recommended Plan and Implementation Schedule	Draft Report	9/3/2013
Task 2 - Project Initiation and Key Meetings	Wastewater Task Force Meeting	9/10/2013
Task 2 - Project Initiation and Key Meetings	Workshop #3 - Recommended Plan/Financial Summary	9/24/2013
Task 8 - Development of Recommended Plan and Implementation Schedule	Final Report	10/8/2013
Future/Not In This Contract	*Town/Beach Community Selection of Alternative(s)*	*12/30/2013*
Future/Not In This Contract	*Completion of Bidding Documents (Consent Orders)*	*10/30/2014*
Future/Not In This Contract	*Completion of Construction Project(s) (Consent Orders)*	*6/30/2016*

		Preliminary Opinion of Probable Capital Costs											
		Sub-Area	**SA 1**	**SA 2**	**SA 3**	**SA 4**	**SA 5**	**SA 6**	**SA 7**	**SA 8**	**SA 9**	**SA 10**	**Total**	
		# Total Services	33	204	27	36	392	348			36	11	1,087	services
		Avg Daily Flow (gpd)	6,188	38,250	5,063	6,750	73,500	65,250			6,750	2,063	203,813	gpd
		Max Daily Flow (gpd)	12,375	76,500	10,125	13,500	147,000	130,500			13,500	4,125	407,625	gpd
		Peak Hourly Flow (gpd)	24,750	153,000	20,250	27,000	294,000	261,000			27,000	8,250	815,250	gpd
Individual Sub-Area Collection	Gravity													
	Low Pressure													
	Vacuum													
	STEG													
	STEP													
Rt 156 Interceptor Sewer Common to all Alternatives														
Treatment														
Disposal														
Reuse														
		Total	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
		$/Dwelling Unit												