

From: Standish, Rick [<mailto:RStandish@haleyaldrich.com>]  
Sent: Monday, June 25, 2012 3:33 PM  
To: Marks, Stephanie  
Subject: RE: Can we construct a building on C-lot or F-lot?

Stephanie – regarding your questions below:

#### C Lot

1. Change in use may jeopardize closing the CO, we currently have CTDEEP approval for a parking facility
2. CTDEEP would have to weigh in and I would suspect there would be considerable discussion, delays, etc. Not sure a hazardous waste facility is compatible with the education park, open space idea (more traffic, potential for spills, etc) – may have additional wetlands permit requirements
3. A couple of considerations for support – dynamic compaction and design were for parking lot use. Placing a heavy structure on top may cause differential settlement (cracking); creating a depressed area would require redesign of subsurface liner layers or other utilities such as drainage
4. Facility construction would probably require slab but it would have to be excavated 40 inches below grade for frost requirements, thus you are in to either booting the liner or depressing it below the foundation
5. Water/sewer would be a problem but could be designed
6. Potential for methane gas or other solvents previously detected there may require vapor barrier of sub slab venting system (active or passive)
7. Construction workers would require some sort of OSHA training; any soil excavated would require characterization testing prior to offsite disposal
8. Waste disturbance would require a landfill disruption permit from CTDEEP
9. Vandalism is always a concern

#### F Lot

1. F Lot and the chemical pits area are all tied together in the CO – probably the same issues
2. F Lot appears to have less sensitivity concerns
3. Less chance for settlement here as most waste was ash or solid waste not paper
4. Same requirements and presence of liner
5. Same issue as C Lot
6. Less methane gas potential and less other soil vapor potential – still may want to have sub slab venting system to be protective
7. Same comment as C Lot
8. Same comment as C Lot
9. Same comment as C Lot

Meg is right that some buildings have been built on landfills – it is possible and usually is done as part of a redevelopment plan. Concerns such as differential settlement, construction complications, worker health & safety, potential wetlands impacts, incompatibility with the education park/open space, traffic versus parking use and indoor air quality (from landfill methane and other volatile compounds) are significant. Finally the landfill and chemical pits area are partially on land leased by Celeron Square Associates which contains existing student housing and open space for additional residential development which may be at odds with siting a hazardous waste storage facility.

Please call if you have any questions,

Rick