

STAGING OPTIONS FOR DREDGING LAKE KITTAMAQUNDI – COMPARISON OF ENVIRONMENTAL ISSUES

Environmental Issues/Questions	Vantage Point Staging Area¹	South Entrance Staging Area	Crescent Property Staging Area
What is the current use of the site?	Passive recreation; greenspace buffer for lake.	Greenspace buffer for Little Patuxent River, County sewer line ROW.	Parking for Merriweather Post Pavilion.
What is the existing vegetation/habitat on the site?	Scattered large deciduous trees with turf grass understory; minimal habitat value.	Brush and small deciduous trees, one stand of large pine trees. Moderate habitat value.	Turf grass. No habitat value.
What is the access route for trucks?	Recreational path along Wilde Creek to Little Patuxent Parkway. Access to Parkway will require additional clearing of large trees and extensive fill.	Direct access to South Entrance Road.	Direct access to Broken Land Parkway via Merriweather Post Pavilion internal roadways.
Is the site within the 100-year floodplain? <ul style="list-style-type: none"> • Floodway (major impact) • Floodplain (minor impact) • Backwater area (minimal impact) • Not in floodplain (no impact) 	Minimal Impact	Minor Impact	No impact
Does the site include a regulated wetland?	no	no	no
What is the approximate area to be cleared of vegetation?	~ 0.5 acre; actual clearing may be much less, assumes site layout of equipment can avoid most large trees.	~ 1.32 acres; assumes site layout avoids stand of large pines.	~ 1.0 acre
How much grading is required to develop a level work area?	Minimal grading.	Moderate grading, mix of cut and fill.	Moderate grading, fill likely required.
Does the site interfere with public access to community space? <ul style="list-style-type: none"> • Space has intense and frequent use = major impact 	Major impact due to closing of recreational path.	No impact	No impact

¹ Staging area refers to the area for contractor set-up and material storage, sediment dewatering, and truck loading for sediment transport off-site.

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<ul style="list-style-type: none"> • Space has intermediate use = moderate impact • Space has limited use = minor impact • No community space = no impact 			
What are the anticipated noise levels at the nearest residential area ² < 60 dB = quiet 60 – 90 dB = moderate 90 – 110 dB = very loud > 110 dB = uncomfortable	Staging activities will cause moderate outdoor noise levels at nearby residences; however, noise will be at the upper end of the moderate pressure levels.	Staging activities will cause moderate outdoor noise levels at nearby residences.	Staging activities will not affect residential areas due to decrease in sound pressure over distance.
Do the trucks drive through any residential neighborhoods to reach a major roadway?	No, however, truck traffic along the recreational path to the Little Patuxent Parkway will impact adjacent residences, including a seniors apartment complex. Trucks noise levels will be ~ 78 to 84 dB (or less) outside the residences and apartment complex.	No	No
Does Columbia Association own the site? Can the site be re-used for lake maintenance in the future?	Site owned by CA, can be re-used for future lake maintenance.	Site not owned by CA; re-use potential unknown.	Site not owned by CA; one time use only based on likely re-development of the property.
Pipeline Route			
What is the distance of pipeline from lake to staging area?	~ 50 ft	~ 1,000 ft	~ 4,000 ft
Does the pipeline cross any wetlands?	No	No	Yes
Does the pipeline cross any streams?	No	Yes, the pipeline must cross one small intermittent stream.	Yes, the pipeline must cross one small intermittent stream and two

² See attached noise chart and maps for approximate project noise levels. Actual noise impacts will vary based on environmental factors, receptor activity, and site conditions, and may be more or less than indicated.

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			larger streams.
What is the approximate area affected by the pipeline ³ ?	None	~ 6,000 ft ² or 0.14 acres	~ 24,000 ft ² or 0.55 acres
Does the pipeline cross any roadways?	No	No	Yes, the pipeline would need to be placed underneath the South Entrance Road using a process called “jack and bore”.
Would a booster pump be required?	No	No	Yes

³ The pipeline does not require clearing or removal of trees; however, understory vegetation would be removed in an approximately 6 ft wide swath to allow construction and maintenance of the pipeline.