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MONTGOMERY COUNTY
DEPARTMENT OF ENVIRONMENTAL PROTECTION

GUNNERS LAKE
MAINTENANCE AND HYDRAULIC DREDGING

CONTRACT NO. 0801000108-AD-DD
Task Order 4

TREE CANOPY REQUIREMENTS TABLE

<table>
<thead>
<tr>
<th>Species Required</th>
<th>Shade Trees Proposed</th>
</tr>
</thead>
</table>

For In Lieu
(Trees Required - Trees Proposed) x $200

Area (sq. ft.) of Limits | Number of Trees Required | Number of Shade Trees
--------------------------|--------------------------|--------------------------
1.000                      | 5                        | 3                        |
5.000                      | 9                        | 5                        |
10.000                     | 9                        | 7                        |
15.000                     | 12                       | 10                       |
20.000                     | 15                       | 13                       |

Total Property Area
Total Disturbed Area

Required Number of Shade Trees
(Number of Shade Trees x Limits of Disturbance x 150) x 1.5

Please list the square footage of each proposed planting area on the first sheet of the plan set

DESIGN CERTIFICATION

I, hereby certify that the estimated total amount of excavation and fill as shown on these plans have been computed to be 8,000 cubic yards. The plans have been approved for the estimated amount of excavation and fill for staging areas, that the total area to be disturbed as shown on these plans has been determined to be a maximum of 820 square feet or 0.15 acres.

CHAD BROCK
DATE: 11-29-14
PRINTED NAME
REGISTRATION NUMBER: 258619

OWNER'S / DEVELOPER'S CERTIFICATION

I, hereby certify that all grading, drainage, construction and/or development will in every respect conform to this plan and that all responsible personnel involved in the construction process will be familiar with the requirements of the plan, and the final grading shall be subject to the final approval of the Montgomery County Department of Transportation.

CHAD BROCK
DATE: 11-29-14
PRINTED NAME
REGISTRATION NUMBER: 258619

MONROE, MI:
DEPARTMENT OF ENVIRONMENTAL PROTECTION

GUNNERS LAKE
MAINTENANCE AND HYDRAULIC DREDGING

ROCKVILLE, MD:
DEPARTMENT OF ENVIRONMENTAL PROTECTION

CUMBERLAND, MD:
DEPARTMENT OF ENVIRONMENTAL PROTECTION

1. SPI Oak Ridge Rd.
2. Oak Hill Rd.
3. Old Oak Hill Rd.
4. Millpond Rd.
5. Gunners Lake Rd.
6. Lawrence Rd.
7. Old Gunners Lake Rd.
8. Gunners Lake Dr.
9. Gunners Lake Pl.
10. Old Gunners Lake Dr.
11. Gunners Lake Cir.
12. Old Gunners Lake Pl.
14. Old Gunners Lake Cir.
15. Gunners Lake St.
16. Old Gunners Lake St.
2.95 ACRES DRAIN INTO LOD / 1.96 ACRES DRAIN INTO PROJECT LIMITS.

Temporary Excavation

Temporary Pipe (TF)

Note: All areas to be removed.

1. The impoundments and drainage systems will be constructed to conform to the regulatory requirements for stormwater management. To prevent the release of water to the immediate vicinity, the temporary pond will be constructed as a separate drainage facility. A stormwater management program will be established to control the discharge from the facility. The drainage systems will be designed to ensure that the pond is a safe and functional drainage system.

2. The removal of trees and vegetation on the site is not appropriate. The trees and vegetation should be preserved to the maximum extent possible. The requirements for the construction of the pond should be reviewed to determine the best way to preserve the trees and vegetation.

3. The construction of the pond will require the removal of trees and vegetation. The removal of trees and vegetation is necessary to ensure that the pond is a safe and functional drainage system. The requirements for the construction of the pond should be reviewed to determine the best way to preserve the trees and vegetation.

4. The construction of the pond will require the removal of trees and vegetation. The removal of trees and vegetation is necessary to ensure that the pond is a safe and functional drainage system. The requirements for the construction of the pond should be reviewed to determine the best way to preserve the trees and vegetation.

5. The construction of the pond will require the removal of trees and vegetation. The removal of trees and vegetation is necessary to ensure that the pond is a safe and functional drainage system. The requirements for the construction of the pond should be reviewed to determine the best way to preserve the trees and vegetation.
2.95 ACRES DRAIN INTO Ldg 7
1.96 SQMILES DRAIN INTO PROJECT LIMITS

DREDGING AREA 1

LEGEND
NW SHORELINE BUFFERS
SOUTH OF THE UV SHORE LINE
DREDGING LIMITS
100 YEAR FLOOD PLAN
LIMIT OF DREDGENCE
DREDGENCE FENCE
SILT BARRIER BAGS
SLAB ENTRAPMENT SHALE
APK ENTRAPMENT SHALE
MOISTURIZATION CHUTE
MATERIAL MOZEL INLET
TEMPORARY ACCESS ROAD
STANDARD ACCESS ROAD
CIVIC PROTECTION ZONE

MONTGOMERY COUNTY DEPARTMENT OF ENVIRONMENTAL PROTECTION APPROVED FOR:

[Signatures]

[Date]
Southern Area of Gunners Lake Bathymetric Survey

Bathymetric surveys are conducted using a multi-beam sonar system that measures water depth and topography. The survey data is collected using a high-resolution sonar system, which provides detailed information about the lake's bottom features. The data is then processed and analyzed to create a detailed map of the lake bottom, including contours and other topographic features.

Data Collection:
Survey data was collected using a multi-beam sonar system that measures water depth and topography. The survey data was then processed and analyzed to create a detailed map of the lake bottom, including contours and other topographic features.

Water Depth Ranges:
- 0'-1.41' range: 5.37'-5.35'
- 1.41'-2.41' range: 5.30'-5.28'
- 2.41'-5.41' range: 5.37'-5.35'
- 5.41'-7.41' range: 5.37'-5.35'
- 7.41'-9.41' range: 5.30'-5.28'
- 9.41'-11.41' range: 5.30'-5.28'
- 11.41'-13.41' range: 5.37'-5.35'
- 13.41'-15.41' range: 5.30'-5.28'
- 15.41'-16.41' range: 5.30'-5.28'

Water Surface Elevation (W.S.E.):
- 5.37' to 5.35'