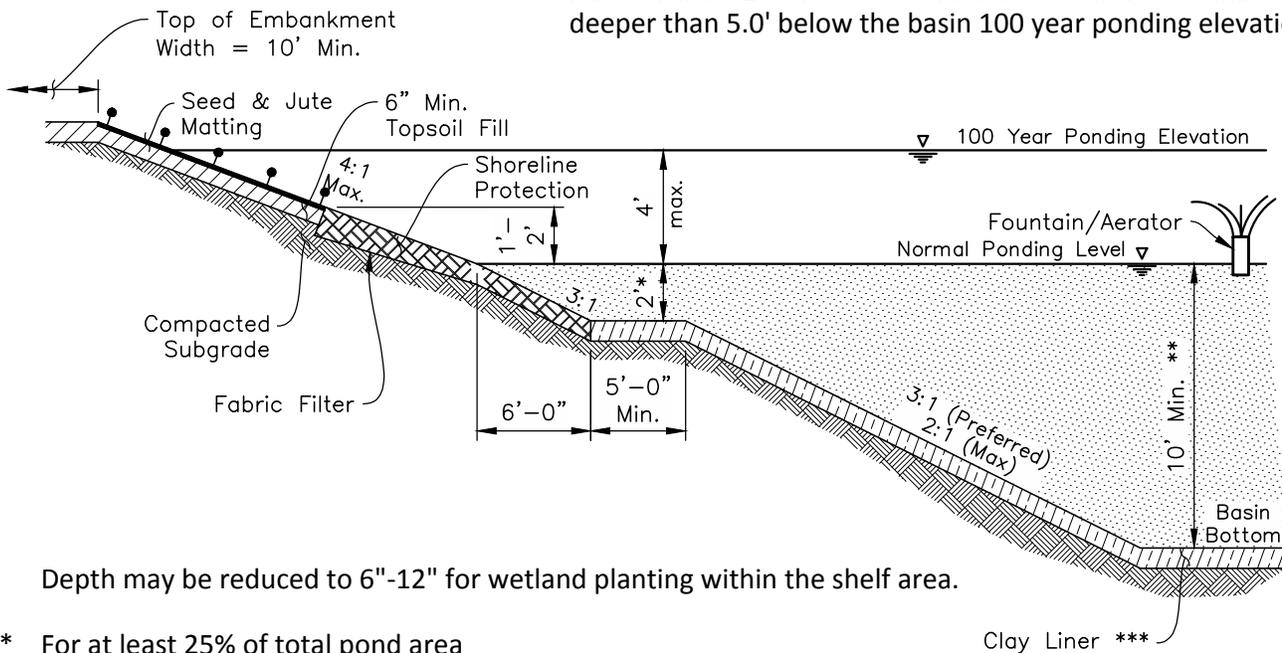


NOTE:

Minimum distance between structures and the max. ponding level shall be 20'. The bottom basement elevation shall be no deeper than 5.0' below the basin 100 year ponding elevation.



* Depth may be reduced to 6"-12" for wetland planting within the shelf area.

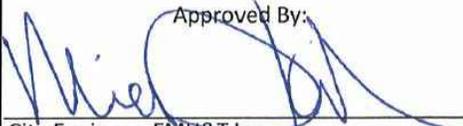
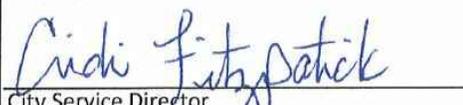
** For at least 25% of total pond area

*** Pond liner - geotechnical recommendations required, confirming adequacy of existing sub-grade material or indentifying criteria for a constructed line.

DETAIL NOTES:

1. Shoreline Protection shall be installed to prevent erosion along the perimeter of the basin and shall be comprised of one of the following options:
 - A. 6" depth of 1" to 3" diameter, clean, washed limestone cobbles, screened and leveled. Compact stones to 95%. No limestone fines.
 - B. Tied Concrete Block Mat per ODOT Item 601.
2. Seed and Jute Matting shall be per Item 671 (Type "B" Erosion Control Material-Item 712.11).
3. Refer to specific requirements for planting within the landscape buffer and other areas within the limits of the basin.
4. Pipe inlets to pond may be submerged; submergence may only extend to first structure.
5. Expose Headwalls and other stormwater system appurtenances must be stone veneered. (Reference C-GC-24)

[All item references are to the State of Ohio CMS]

Approved By:

 City Engineer, EMH&T Inc

 City Service Director

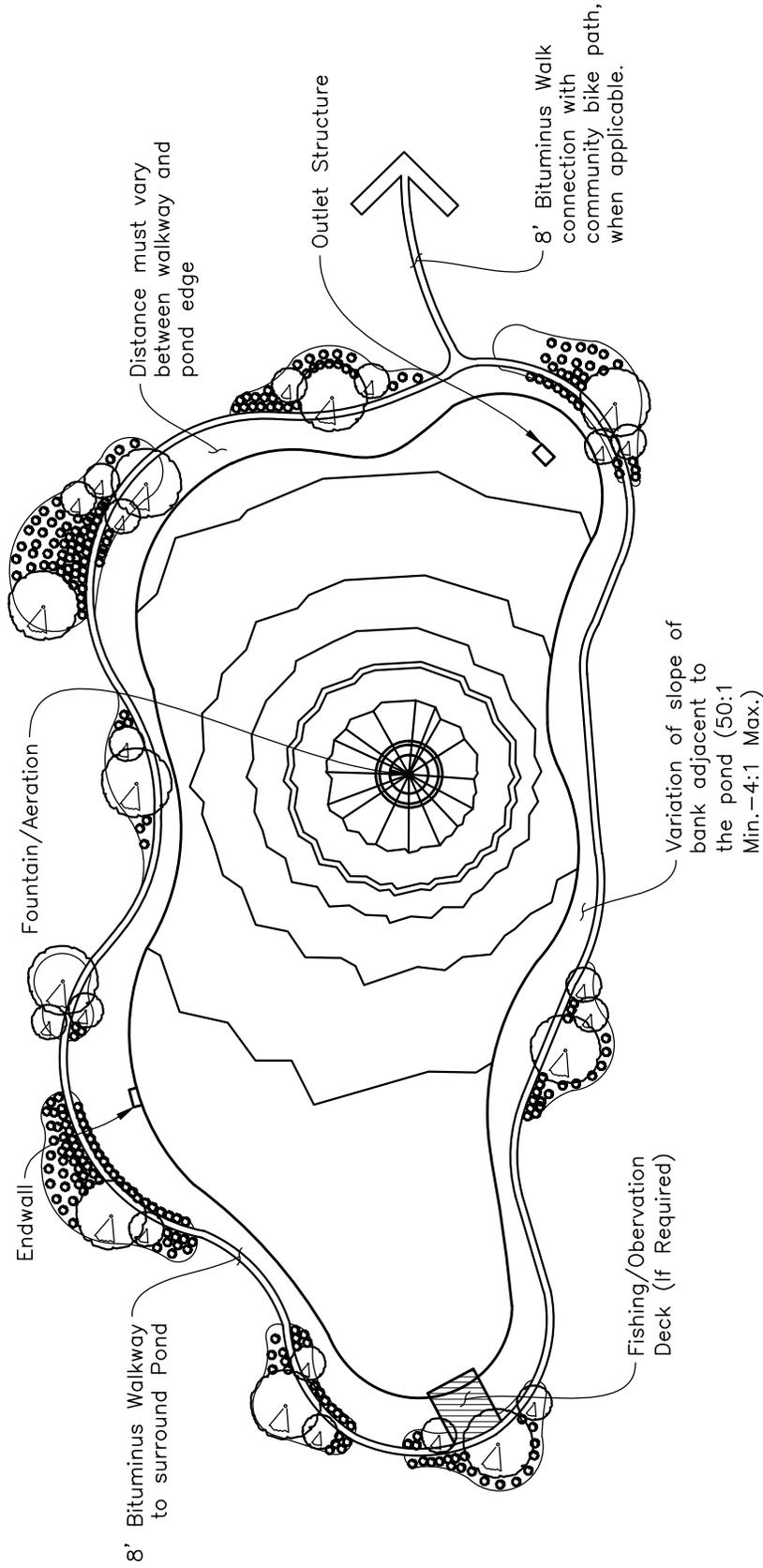
STANDARD DIMENSIONS
 FOR
**STORMWATER
 MANAGEMENT
 BASIN DESIGN
 DETAILS**

CITY OF GROVE CITY, OHIO		
STANDARD CONSTRUCTION DRAWING		
Revised	Sheet	Drawing No.
Rev February 2016	1/4	C-GC-98

DETAIL NOTES

Shrubs and Trees must be planted with deciduous shrubs above maximum required storage elevation for storm water detention

1. 20% of linear pond edge must be planted with deciduous shrubs in defined planting bed.
2. 1 shade tree per 100 LF of pond edge.
3. 1 ornamental tree per 75 LF of pond edge.

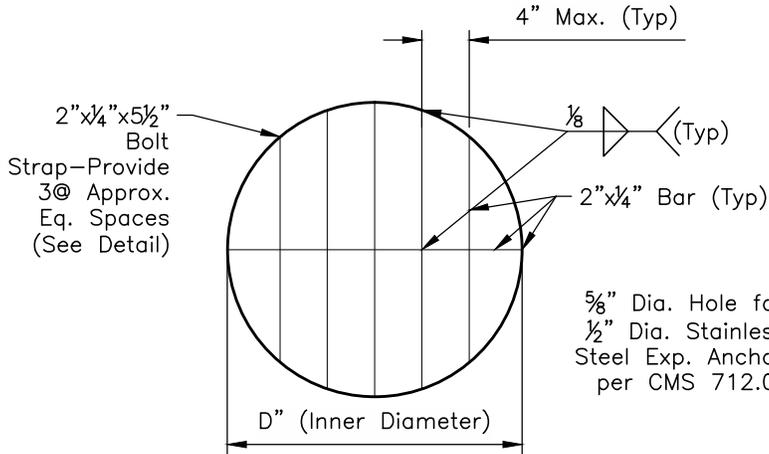


Approved By: *[Signature]*
 City Engineer, EMH&T Inc
[Signature]
 City Service Director

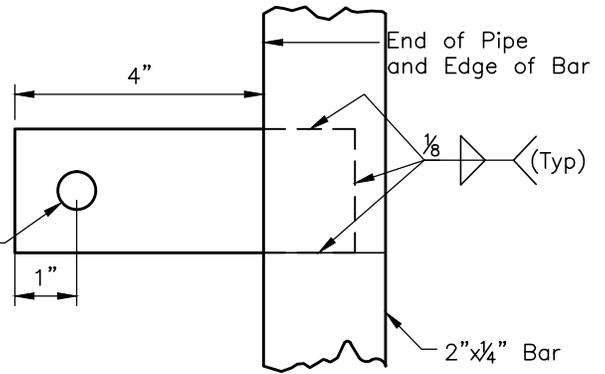
**STANDARD DIMENSIONS
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 BASIN DESIGN DETAILS**

CITY OF GROVE CITY, OHIO	
STANDARD CONSTRUCTION DRAWING	
Revised	Drawing No.
Rev February 2016	2/4
Drawing No. C-GC-98	

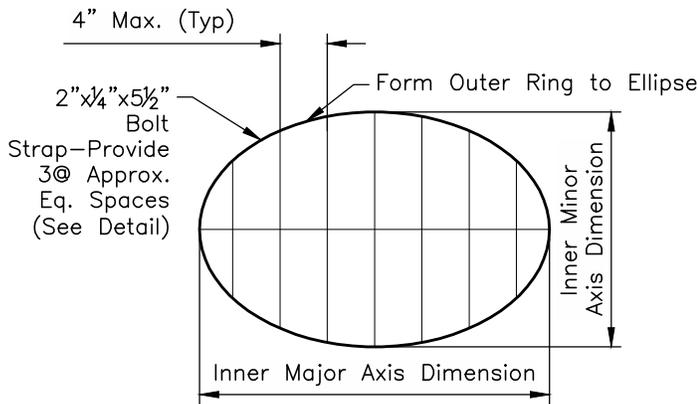
SAFETY GRATE / TRASH RACK DESIGN DETAIL



SAFETY GRATE DETAIL



BOLT STRAP DETAIL

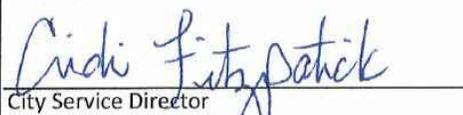


SAFETY GRATE DETAIL

DETAIL NOTES

1. Grates shall be fabricated from ASTM A-36 steel and be galvanized in accordance with CMS 711.02.
2. Geometry, size and shape may be revised to accommodate box culvert outlets.

Approved By:

 City Engineer, EMH&T Inc

 City Service Director

STANDARD DIMENSIONS
FOR

**STORMWATER
MANAGEMENT
BASIN DESIGN
DETAILS**

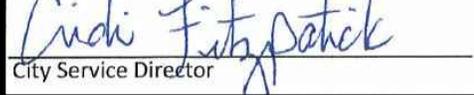
**CITY OF
GROVE CITY, OHIO**

STANDARD
CONSTRUCTION DRAWING

Revised	Sheet	Drawing No.
Rev February 2016	3/4	C-GC-98

NOTES:

1. The design of any improvements including and adjacent to all ponds and stormwater management basins shall conform to the standards set forth with the City of Grove City Stormwater Design Manual.
2. Prior to any development that will impact existing pond(s), an agreement outlining responsibility of the current and future operation and maintenance of the pond must be documented by the developer and provided to the City of Grove City Service Director.
3. Final design of all basins intended for use as a stormwater detention basin must adhere to the Peak Flow Rate Control requirements as mandated by the City of Grove City Stormwater Design Manual.

<p>Approved By:</p> 	<p>STANDARD DIMENSIONS FOR</p> <p>STORMWATER MANAGEMENT BASIN DESIGN DETAILS</p>	<p>CITY OF GROVE CITY, OHIO</p>		
<p>City Engineer, EMH&T Inc</p>		<p>STANDARD CONSTRUCTION DRAWING</p>		
<p> City Service Director</p>		<p>Revised Rev February 2016</p>	<p>Sheet 4/4</p>	<p>Drawing No. C-GC-98</p>