

## STRUCTURAL NOTES

1. Design Criteria
a. 100-year floodplain WSE 295.0
. Normal WSE 287.20

Revisions or modifications to the engineering requirements shown on these plans shall be approved in advance by the Structural Engineer prior to proceeding with construction.
3. The foundation for the fountain shall be placed on suitable soils and bearing conditions with a presumed allowable soil bearing capacity equal to 2,500 psf. If questionable or unsuitable materials are encountered, these materials shall be remomal.
approved compacted material.
4. All concrete shall be a minimum of 4,000 psi compressive strength at 28 days. Air-entrained concrete shall be used for all concrete exposed to weather or earth with 4 to 6 percent air entrainment. Concrete slump shall be 4 " average and 5 " maximum
5. Reinforcing bars shall be deformed bars conforming to ASTM A-615, Grade 60. Reinforcement placement shall be placed with minimum concrete protection for all reinforcing steel: 3 " for concrete cast against earth, 1 $1 / 2^{\text {" when formed and exposed to earth or weather, and } 3 / 4 \text { " otherwise. }}$

SARDEY PUMP SUCTION SCREEN; CW400 6 $\qquad$ 6" SOLID PVC PIPE
$\square$ EXTERNAL PUMP H $\square$

## EXTERNAL PUMP

 Pentair CHK - 20020 HP 220 v/44v Bronze C Series electrical control panel $\qquad$ ?
concrete cap.
2" THICK
$1.5^{\prime \prime} \mathrm{R}$
\#4 REBAR @ 18" O/C; TYP.
NATURAL STONE VENEER: ${ }_{2}^{2 / 2}$ MORTAR JOINTS; TYP. WATERPROOF CONCRETE AS NECESSARY
LV PERIMETER LIGHTING; WITH CUSTOM FABRICATED ALUMINUM BRACKET 3/4" GRAVEL WITH SAND INFILL
GUNNITE SHELL
reinforced concrete footing
*4 REBAR; 12 " O/C IN GRID PATTERN IN TOP \& BOTTOM LAYERS *Note: Submit Rebar Shop Drawings for Approval

LOOP-LOCK STYLE MESH WINTER COVER TO BE INSTALLED
OVER TOP OPENING DURING WINTER MONTHS
VALVE TO SPRAY NOZZLE BN208
OX BY CRYSTAL

EP SERIES-STUB UP BY CRYSTAL FOUNTAINS; 5 EPA 200 \& EPA 075 (FOR $3 / 4$ " CONNECTION)
2"ELECTRICAL CONDUIT FOR PERIMETER LIGHTING
3/4" ELECTRICAL CONDUIT; TO PUMP HOUSE
SOLID PVC SUPPLY LINE TO EXTERNA
EENTAR C-SERIES COMMERCIAL PUMP
TAIN; (4)

(2) SPRAY NOZZLE; NPD 100 SERIES - MIST COLUMN PO
 valve to fountain overflow BOTTOM DRAIN WITH PLUG BY CRYSTAL FOUNTAINS; DPB 300 SERIES OUTLET DRAII

3" DRAIN LII
SOUD PVC SOLID PVC

Designer: AwH Date: $\quad 4 / 24 / 2014$ $\begin{array}{ll}\text { Scale: } & \text { 1"-4 } \\ \text { Sheet \#: } & 1\end{array}$ Sheet \#.

Drawing: 000614 REVIIONS |  | Change |
| :--- | :--- |
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 $1 \quad 10 / 2$


## $\stackrel{0}{2}$ <br> Lak <br> Fountain @ Culler Lak Baker Park I Frederick, MD

EARWATER Landscape \& Nursery 95sb Doctor Pery Road
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and that 1 am a duly licensed professionad
engineer under the lass of the state engineer under the laws of the State of
Maryland, License No. 9246, Expiration Mayland, License
Date: June 5, 2015

Pecora Engineering, LLC
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