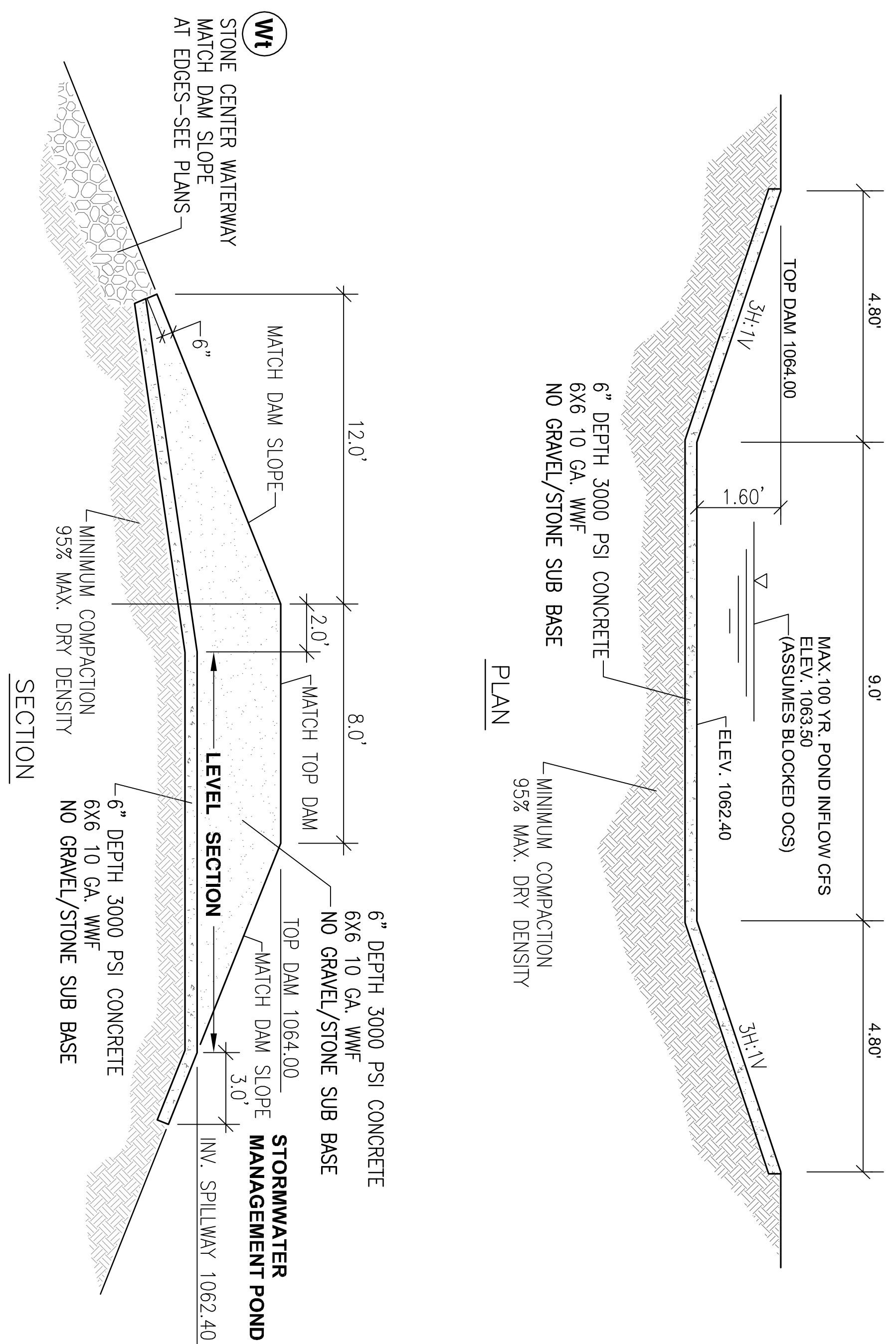
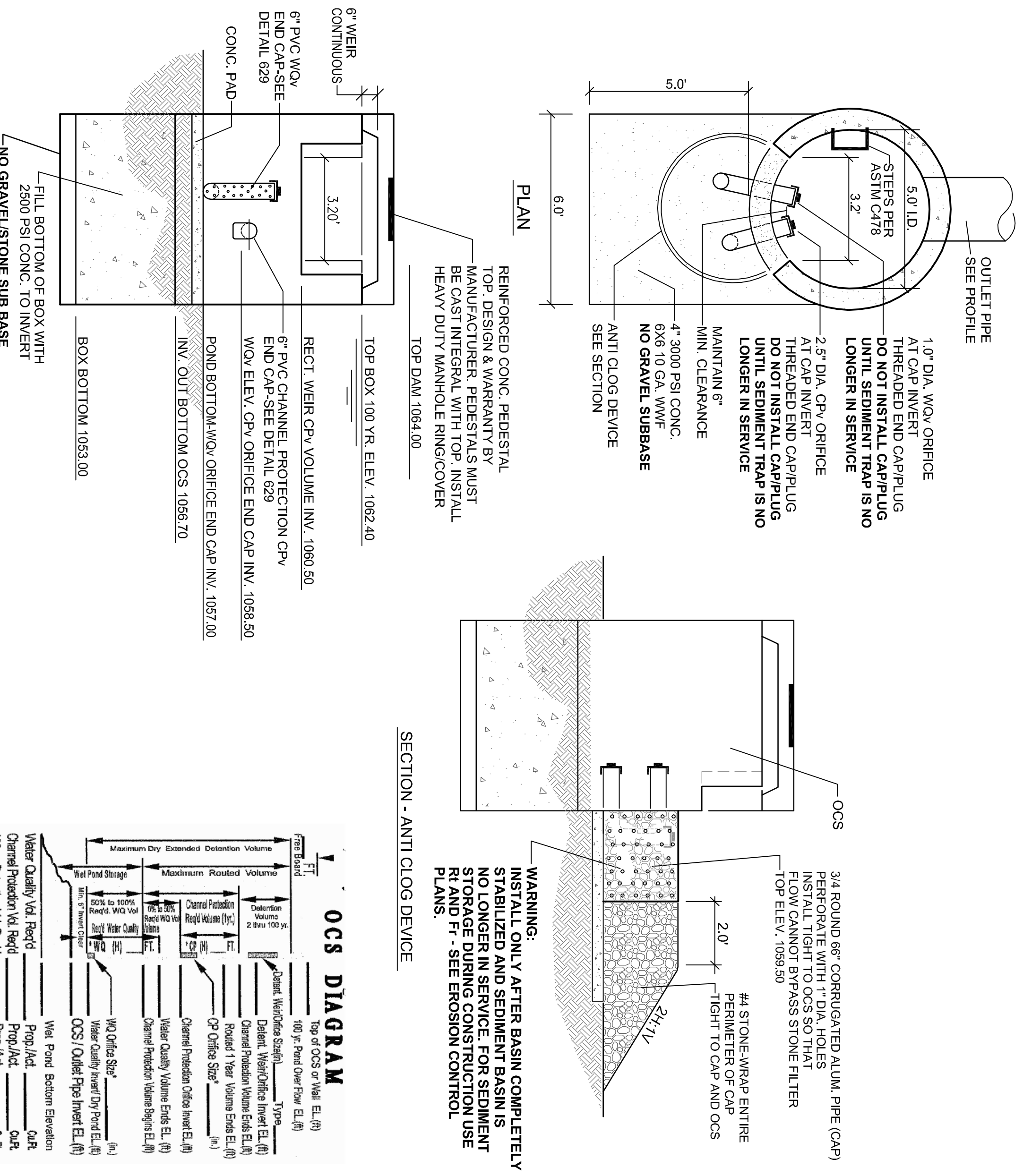


**STORM SEWER POND SECTION 1**  
SCALE: 1" = 4'



**SPILLWAY DETAIL**



**1.2 OUTLET CONTROL STRUCTURE**

**BOUNDRY CALCULATIONS:**

BOUNDRY FORCE: 31.6 SF(1062.3'-1052.5)62.4 = 19,324 LBS

BOX WEIGHT: 7(9.8) = 3.5(1.97) = 3.145(0.5)(150 PCF) = 10,923 LBS

WATER: 13.75(4.3) = 10.126 LBS

TOP: 19.95F = 3.145(0.5) 150PCF = 1,257 LBS

TOTAL BOX WEIGHT = 22,306 LBS

| POUND                                  | 2395/2388                          | 1058.2                           | 1058.5                             | 1058.5                        | 1060.5  | 1060.4                       | 1060.5                               |
|--|------------------------------------|----------------------------------|------------------------------------|-------------------------------|---|------------------------------|--------------------------------------|
| 1                                      | 1                                  | 2                                | 3                                  | 4                             | 5   | 6                            | 7                                    |
| WQV required ponded (ft <sup>3</sup> ) | 50% WQV ponding (ft <sup>3</sup> ) | Water Quality ponding elev. (ft) | 1 year storm protection elev. (ft) | Channel protection elev. (ft) | Height of CR above the centroid of the orifice (ft) | Round Channel elevation (ft) | 2 ym 25-yr orifice invert elev. (ft) |

**OCS DIAGRAM**

**WARNING:** STABILIZED SAND SEDIMENT BASIN IS NO LONGER IN SERVICE. FOR SEDIMENT STORAGE DURING CONSTRUCTION USE R AND F. - SEE EROSION CONTROL PLANS.

|  |  |   |   |   |  |
|--|--|---|---|---|--|
| <b>STORMWATER MANAGEMENT DETAILS</b><br>C3.2 | <b>A NEW FELLOWSHIP BUILDING</b><br><b>Greater Atlanta Vedic Temple</b><br>492 HARMONY GROVE ROAD LILBURN, GA 30247<br>LL 115 - 6TH DISTRICT PARCEL 019A<br>GWINNETT COUNTY, GEORGIA | <b>OWNER - DEVELOPER</b><br><b>Greater Atlanta Vedic Temple Society</b><br>2189 SPENCERS WAY<br>STONE MOUNTAIN, GA 30087<br>PHONE: 678-662-6895 | <b>PWH ENGINEERING</b> CIVIL ENGINEERING<br>SITE DEVELOPMENT<br>3583 SOUTH COBB DRIVE • SMYRNA, GA 30080 • PH: 770-433-8190 • FAX: 770-433-8190 | ISSUE FOR PERMIT: 01-27-09<br>JOB No. 08180   SCALE:                              | DATE REVISIONS<br>03-01-10 REVISED PER COUNTY COMMENTS<br>05-28-10 REVISED PER COUNTY COMMENTS<br>07-01-10 REVISE DECEL LANE PER COUNTY COMMENTS<br>03-10-11 REVISED PER COUNTY COMMENTS<br>04-18-11 REVISED PER COUNTY COMMENTS ADD MODIFICATION NOTE |
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