DETAIL NO. LID-01

PERMEABLE PAVEMENT

NOTES:

1. AGGREGATE LAYERS SHALL MEET PROPOSED SPECIAL PROVISION 303.
2. GEOSYNTHETIC TO BE USED TO PROTECT PIPES FROM CLOGGING. SEE MAG SPECIFICATION 796.
3. DEPTH OF RESERVOIR LAYER AS SHOWN ON DESIGN PLANS SHOULD BE SIZED TO DRAIN WITHIN 72 HOURS.
4. TOP OF PAVEMENT SHOULD BE DESIGNED TO ACHIEVE 1% MAXIMUM SLOPE IN ANY DIRECTION.
5. WHEN FILTER LAYER IS OMITTED, PROVIDE GEOSYNTHETIC CLASS-A MATERIAL BENEATH RESERVOIR LAYER.
6. UNDERDRAIN REQUIRED FOR LOW PERCOLATING SOILS (SEE SPECIFICATION 622).
7. UNCOMPACTED SUBGRADE FOR AREAS DESIGNED FOR INFILTRATION FEATURES ONLY.
8. GEOSYNTHETIC MATERIAL (SEE SPECIFICATION 796)
9. COMPACTION REQUIREMENTS IF ANY WILL BE DESIGNED BY GEOTECHNICAL ENGINEER.
10. SOLID PAVERS CAN BE USED (OPTIONAL).
11. MINIMUM COVER OVER THE UNDERDRAIN PER MANUFACTURER RECOMMENDATION.

PERVIOUS CONCRETE PAVERS

- OPEN WEB PAVERS, SIZE, POROSITY & THICKNESS DESIGNED BY A PROFESSIONAL ENGINEER (SEE NOTE 10)
- LEVELING LAYER (ASTM NO. 8 STONE 2" THICK)
- RESERVOIR (ASTM NO.57 OR NO.67 STONE, MIN 6")
- SUBBASE LAYER ASTM NO.8 OR APPROVED EQUAL (SEE NOTE 2)
- SCARIFIED SUBGRADE MIN 12" (SEE NOTE 9)

PERVIOUS PORTLAND CEMENT CONCRETE
- CONCRETE CURB
- TRADE LAYERS (SEE NOTE 7)

PERVIOUS CONCRETE
- OPEN WEB PAVERS, SIZE, POROSITY & THICKNESS DESIGNED BY A PROFESSIONAL ENGINEER (SEE NOTE 10)
- LEVELING LAYER (ASTM NO. 8 STONE 2" THICK)
- RESERVOIR (ASTM NO.57 OR NO.67 STONE, MIN 6")
- SUBBASE LAYER ASTM NO.8 OR APPROVED EQUAL (SEE NOTE 2)
- SCARIFIED SUBGRADE MIN 12" (SEE NOTE 9)

PERVIOUS CONCRETE PAVEMENT

- MINIMUM PAVEMENT THICKNESS

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<td>PERVIOUS PORTLAND CEMENT CONCRETE</td>
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<tr>
<td>SUBBASE LAYER</td>
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PERMEABLE PAVEMENT WITH UNDERGROUND RESERVOIR AND UNDERDRAIN (OPTIONAL)

- DEPTH PER DESIGN STORM VOLUME CALCULATION (NOTE 3)
- GEOTECHNICAL TO RECOMMEND PIPE OFFSET - BASED ON PERCOLATION
- PERFORATED PVC PIPE WRAPPED IN GEOSYNTHETIC, SEE NOTE 2, 6" MIN (OPTIONAL)
- OPTIONAL CATCH BASIN OR CISTERN
- 6" CONCRETE BARRIER

OBJECTS:

- PERFORATED UNDERDRAIN (SEE NOTE 6)
- CONCRETE CURB
- RESERVOIR LAYER, ASTM NO.8 OR NO. 57 OR APPROVED EQUIVALENT
- SUBBASE LAYER ASTM NO.2 OR APPROVED EQUAL (SEE NOTE 2)
- SEE NOTE 7
- SEE NOTE 8

STANDARD DETAIL ENGLISH

PERMEABLE PAVEMENT

REVISED 01-29-2019

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