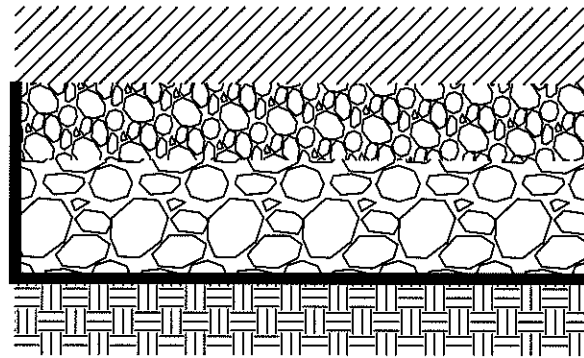


TYPICAL
CROSS-SECTION



POROUS ASPHALT TOP COURSE

CHOKER COURSE

BASE OR RESERVOIR COURSE

GEOTEXTILE FABRIC

SUBGRADE (EXISTING SOIL)

1. PAVEMENT DESIGN MUST BE REVIEWED AND APPROVED BY SNOHOMISH COUNTY.

2. TYPICAL CROSS-SECTION LAYERS:

TOP COURSE: PLANT-MIXED, OPEN-GRADED HOT MIX ASPHALT (HMA).

CHOKER COURSE: CLEAN, WASHED CRUSHED ROCK CONFORMING TO ASTM C33, GRADING NO. 8.

RESERVOIR COURSE: CLEAN, WASHED CRUSHED ROCK CONFORMING TO ASTM C33, GRADING NO. 57. LAYER DEPTH DETERMINED BY DRAINAGE DESIGN ASSUMPTIONS, SOIL POROSITY AND PAVEMENT STRUCTURE. 6 INCHES MINIMUM.

GEOTEXTILE LAYER: FABRIC PLACEMENT PER ENGINEERING DESIGN. WSDOT STANDARD SPECIFICATIONS SECTION 9-33 FOR PERMANENT EROSION CONTROL, NON-WOVEN, HIGH SURVIVABILITY, CLASS B FILTRATION FABRIC.

SUBGRADE: DO NOT ALLOW COMPACTION BY CONSTRUCTION EQUIPMENT. COMPACT ONLY AS NECESSARY FOR STRUCTURAL STABILITY. SCARIFY SOIL TO A MINIMUM DEPTH OF 6 INCHES PRIOR TO PLACEMENT OF GEOTEXTILE FABRIC AND AGGREGATE.



SNOHOMISH COUNTY PUBLIC WORKS

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POROUS ASPHALT PAVEMENT

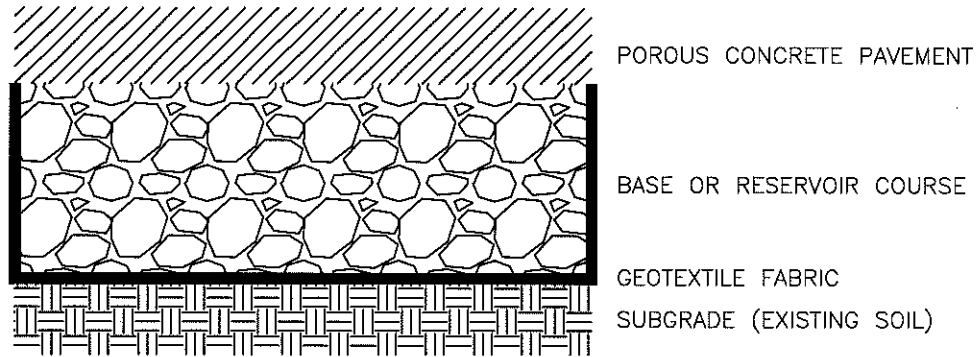
APPROVED BY:

COUNTY ROAD ENGINEER

9/23/10

DATE

TYPICAL
CROSS-SECTION



POROUS CONCRETE PAVEMENT

BASE OR RESERVOIR COURSE

GEOTEXTILE FABRIC

SUBGRADE (EXISTING SOIL)

1. PAVEMENT DESIGN MUST BE REVIEWED AND APPROVED BY SNOHOMISH COUNTY.

2. MATERIALS:

CEMENT: PORTLAND CEMENT TYPE I OR II CONFORMING TO ASTM C150 OR TYPE IP OR TYPE I(SM) CONFORMING TO ASTM C595.

AGGREGATE: CLEAN, WASHED CRUSHED ROCK CONFORMING TO ASTM C33, GRADING NO. 57.

WATER: WSDOT STANDARD SPECIFICATIONS SECTION 9-25.1.

ADMIXTURES: TYPE D WATER REDUCING/RETARDING CONFORMING TO ASTM C494 OR A HYDRATION STABILIZER MEETING REQUIREMENTS OF ASTM C494 FOR TYPE B RETARDING OR TYPE D WATER REDUCING/RETARDING ADMIXTURES.

FIBER: FIBRILLATED POLYPROPYLENE REINFORCING FIBERS, 1/2-INCH LONG, CONFORMING TO ASTM C1116.

3. TYPICAL CROSS-SECTION LAYERS:

TOP COURSE: PORTLAND CEMENT CONCRETE

RESERVOIR COURSE: LAYER DEPTH DETERMINED BY DRAINAGE DESIGN ASSUMPTIONS, SOIL POROSITY AND PAVEMENT STRUCTURE. 6 INCHES MINIMUM.

GEOTEXTILE LAYER: FABRIC PLACEMENT PER ENGINEERING DESIGN. WSDOT STANDARD SPECIFICATIONS SECTION 9-33 FOR PERMANENT EROSION CONTROL, NON-WOVEN, HIGH SURVIVABILITY, CLASS B FILTRATION FABRIC.

SUBGRADE: DO NOT ALLOW COMPACTION BY CONSTRUCTION EQUIPMENT. COMPACT ONLY AS NECESSARY FOR STRUCTURAL STABILITY. SCARIFY SOIL TO A MINIMUM DEPTH OF 6 INCHES PRIOR TO PLACEMENT OF GEOTEXTILE FABRIC AND AGGREGATE.



SNOHOMISH COUNTY PUBLIC WORKS

4-166

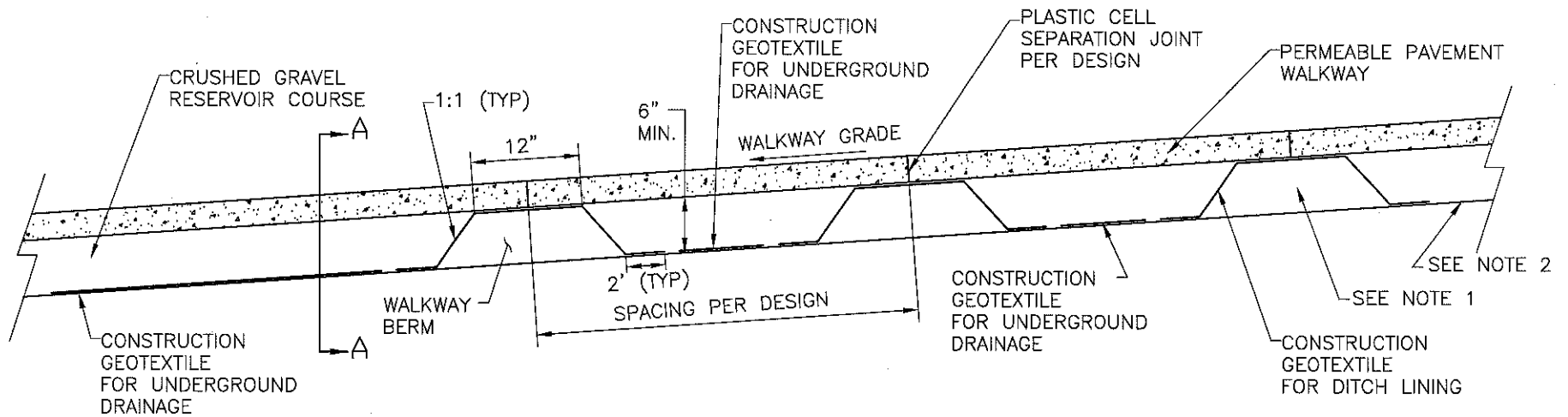
POROUS CONCRETE PAVEMENT

APPROVED BY:

COUNTY ROAD ENGINEER

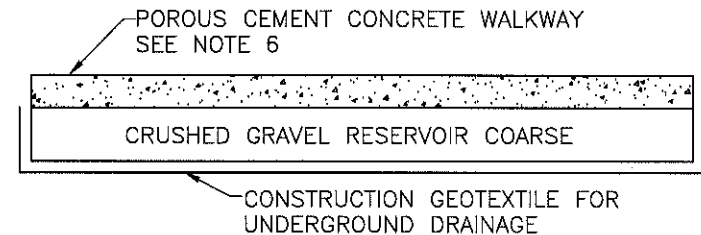
9/23/10

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NOTES:

1. NATIVE MATERIAL AND/OR FILL MATERIAL. COMPACTED TO 95% OF MAXIMUM, TOP OF BERM ONLY.
2. NO COMPACTION OF NATIVE MATERIALS OUTSIDE OF BERMS.
3. CONSTRUCTION GEOTEXTILE FOR DITCH LINING SHALL COVER BERMS INCLUDING 2 FT TYPICAL ON EACH SIDE. GEOTEXTILE FOR UNDERGROUND DRAINAGE SHALL LINE THE REMAINING RESERVOIR LAYER.
4. PLASTIC CELL SEPARATION JOINTS OR OTHER MEASURES MAY BE REQUIRED ABOVE BERMS TO CONTROL HORIZONTAL FLOW THROUGH THE SURFACE LAYER, DEPENDING ON PROJECT DESIGN.
5. THE MAXIMUM RECOMMENDED GRADES FOR PERMEABLE PAVEMENT SYSTEMS ARE 5% FOR POROUS ASPHALT, 6% FOR POROUS CONCRETE OR GRID/LATTICE SYSTEMS, AND 10% FOR PAVER SYSTEMS.
6. PAVEMENT DEPTH PER PROJECT DESIGN. SEE TEXT SECTION 4-10.D.



SECTION A-A

N.T.S.



SNOHOMISH COUNTY PUBLIC WORKS

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PERMEABLE PAVEMENT BERMS

APPROVED BY:

COUNTY ROAD ENGINEER

9/23/10

DATE