
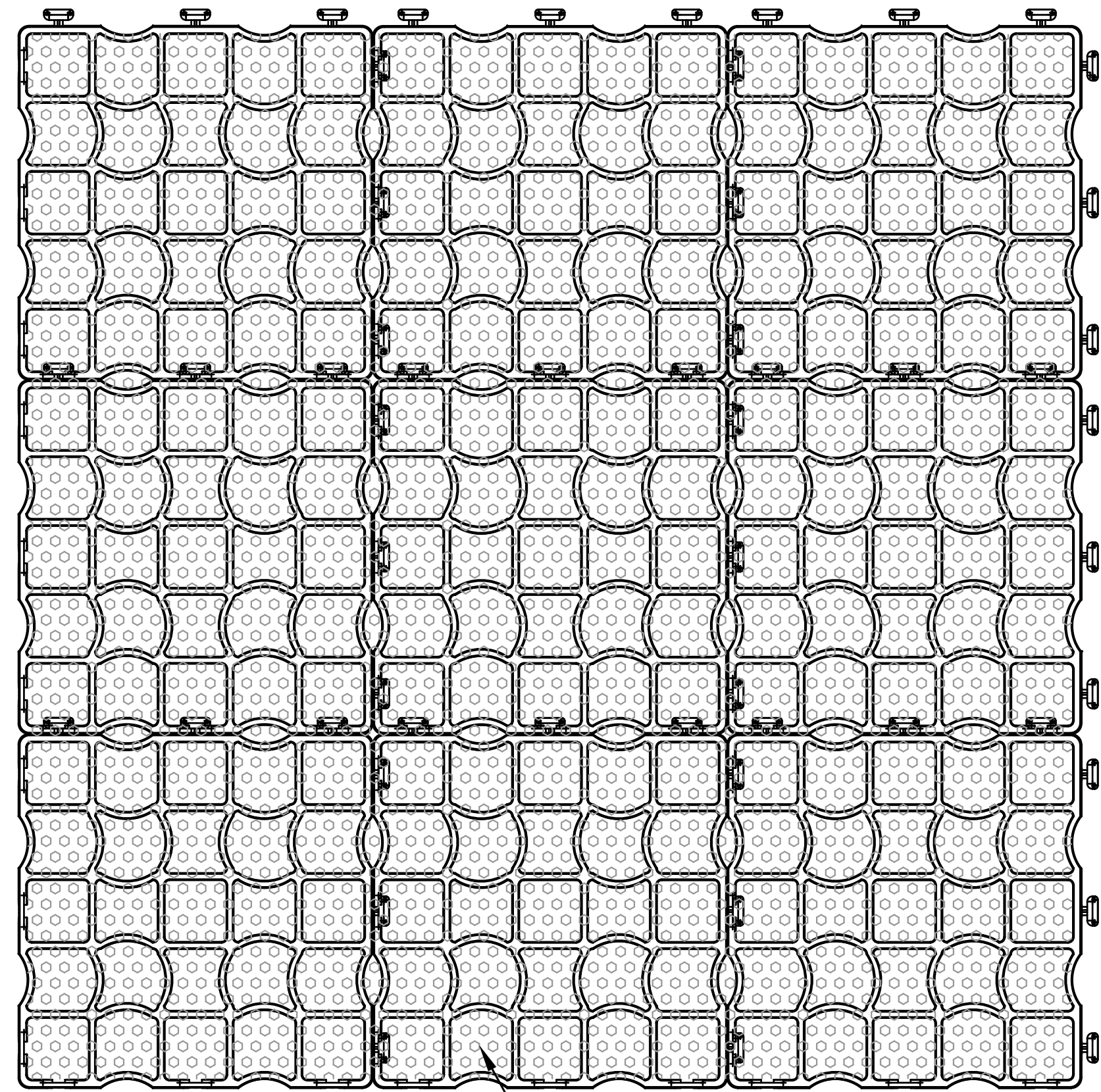
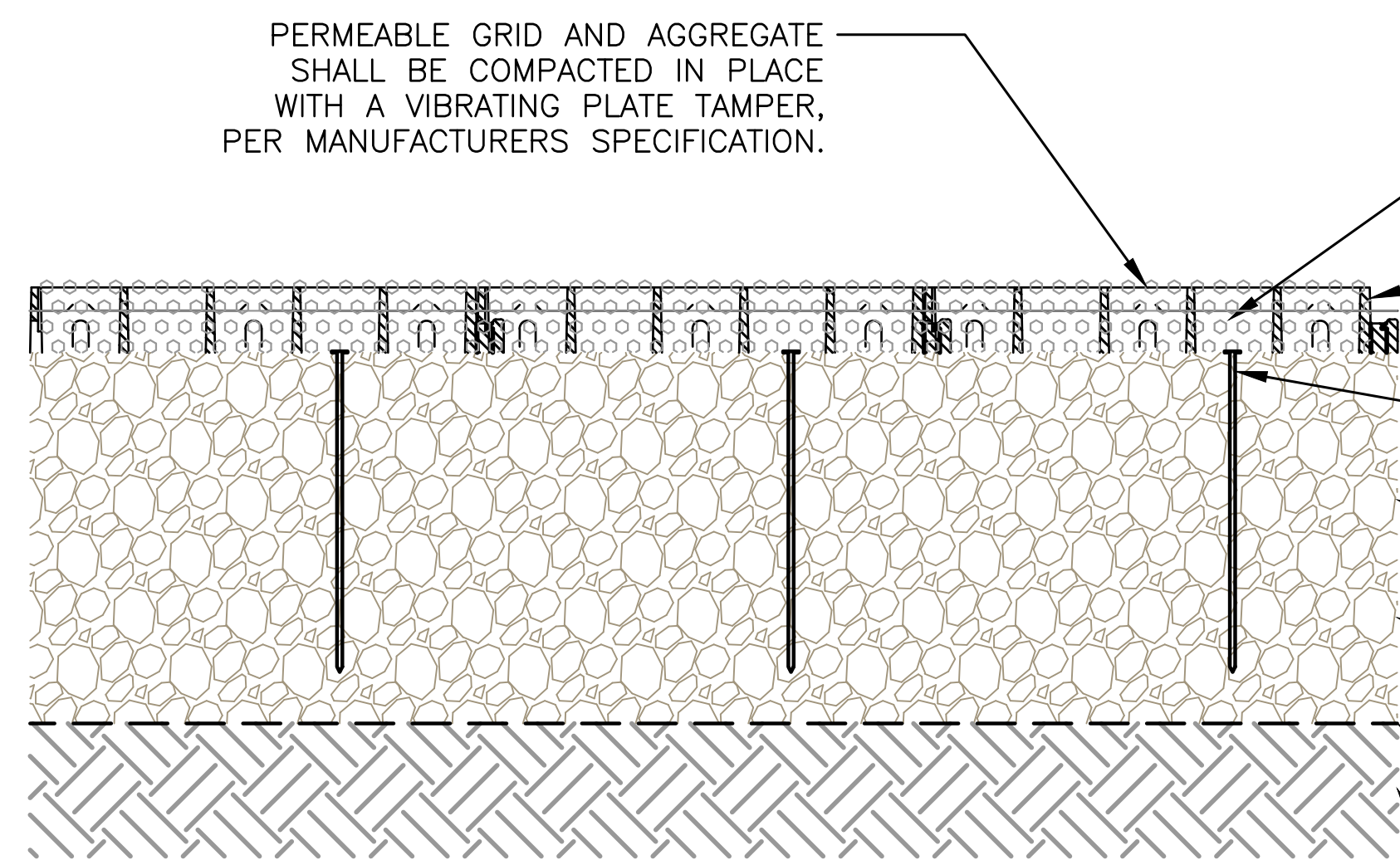


PROJECT REFERENCE NO. B-4863	SHEET NO. 2B-5
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER 	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



AGGREGATE FILLED PERMEABLE PAVING GRID SYSTEM: FILLED WITH NCDOT 78M STONE AND COMPACTED IN PLACE



PERMEABLE GRID AND AGGREGATE SHALL BE COMPACTED IN PLACE WITH A VIBRATING PLATE TAMPER, PER MANUFACTURERS SPECIFICATION.

- FILL GRID WITH NCDOT 78M STONE TO 1/2" (APPROX) ABOVE PERMEABLE PAVING GRID, COMPACT IN PLACE.
- PERMEABLE PAVING GRID EDGE PROTECTION ANCHORED IN PLACE PER MANUFACTURERS SPECIFICATIONS
- 8" 'POLE BARN' GROUND NAIL TO ANCHOR GRID SYSTEM IN PLACE.
- FILL NCDOT 57 STONE TO FULL HEIGHT OF PERMEABLE PAVING GRID.
- COMPACT GRANULAR BASE (NCDOT 57 STONE)
- NONWOVEN GEOTEXTILE SEPARATION LAYER, MIRAFI 140N OR DESIGNER APPROVED EQUAL
- COMPACTED SUBGRADE TO 95% STANDARD PROCTOR MAXIMUM DRY DENSITY (SPMDD). IF SUBGRADE IS UNSUITABLE SEE DETAIL 2.

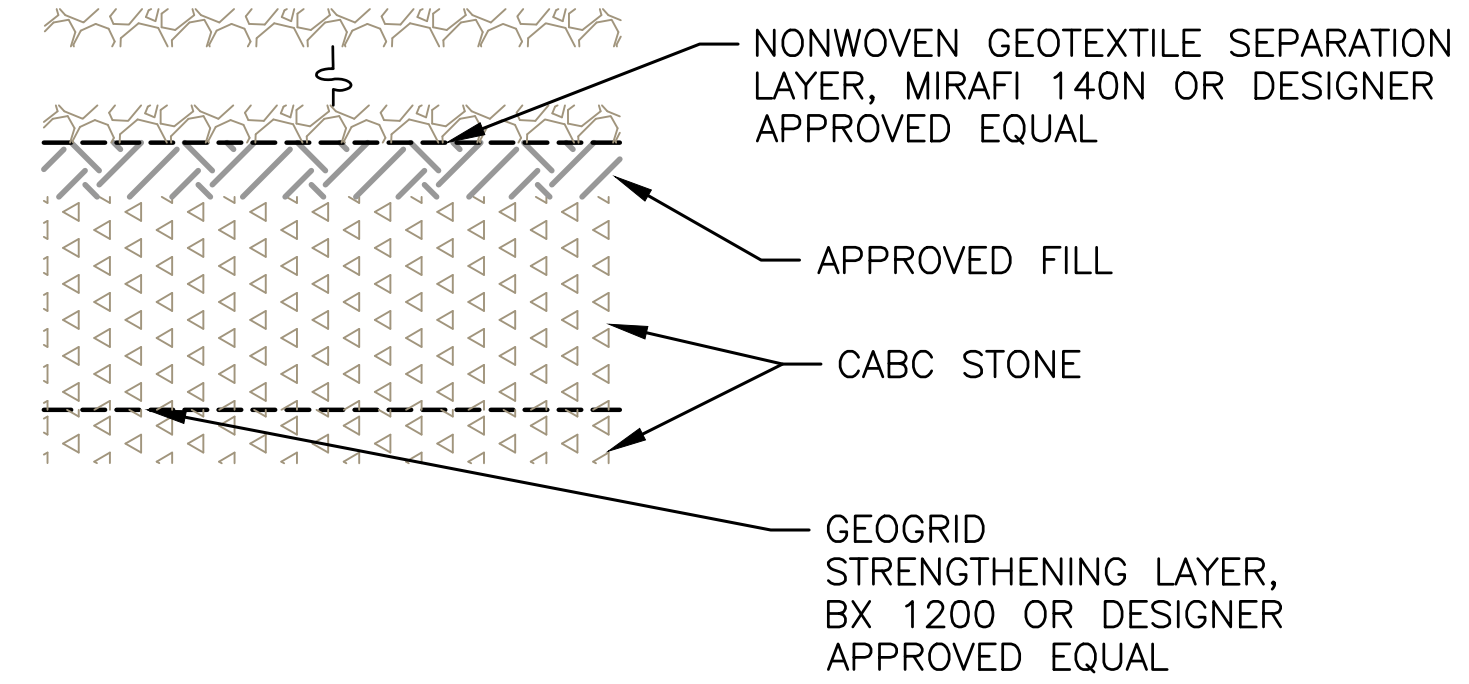
1 AGGREGATE FILLED PERMEABLE PAVING SYSTEM
NT6

NOTES

1. PROVIDE ADEQUATE DRAINAGE FROM EXCAVATED AREA WHEN AREA HAS POTENTIAL TO COLLECT WATER.
2. GRADE SUBGRADE TO MIN 1.5% SUCH THAT INFILTRATED RUNOFF WILL BE ABLE TO FLOW IN THE REQUIRED DIRECTION TO DRAIN AWAY FROM THE PERMEABLE PAVERS.
3. ENSURE IN-SITU SOILS ARE DRY AND FREE FROM STANDING WATER.
4. COMPACT SUBGRADE TO 95% MINIMUM STANDARD PROCTOR MAXIMUM DRY DENSITY (SPMDD) AS PER ASTM D698. FOR UNSUITABLE CONDITION ALSO CONSULT SPECIAL PROVISION.
5. PLACE PACKAGING UNITS/LAYERS (3 X 4 UNITS PRE-CONNECTED) WITH THE CONNECTOR (INTERLOCKING NOTCHES) TO THE GROUND AND THE OPEN CELLS FACING UP, PER MANUFACTURERS SPECIFICATION.
6. ENSURE THAT UNITS ARE INSTALLED 2" FROM ADJACENT FIXED EDGES.
7. TO PREVENT RISING OR LIFTING, THE GRID UNIT SHALL BE ANCHORED WITH GROUND NAILS, PER MANUFACTURER'S SPECIFICATIONS.
8. FRAMING GRID AND AGGREGATE SHALL BE COMPACTED IN PLACE WITH A VIBRATING PLATE TAMPER.

NOTES

1. IF SOIL IS DEEMED UNSTABLE OR OTHERWISE UNSUITABLE EXCAVATE TO A DEPTH OF NO MORE THAN 2' (FEET) BELOW SUBGRADE (SUBGRADE=STONE BASE LAYER).
2. INSTALL 2" (MIN) CABG STONE.
3. INSTALL GEOGRID (NOT NON-WOVEN TEXTILE).
4. INSTALL 8" (MIN) CABG AND COMPACT TO 95% STANDARD PROCTOR MAXIMUM DRY DENSITY.
5. INSTALL APPROVED FILL (ABOVE THE 8" CABG COMPACTED LAYER) TO LEVEL OF MIRAFI 140N (GEOTEXTILE) LAYER AND RESUME CONSTRUCTION OF PERMEABLE GRID SYSTEM PROFILE.



2 UNSUITABLE SOIL REPLACEMENT
NT6