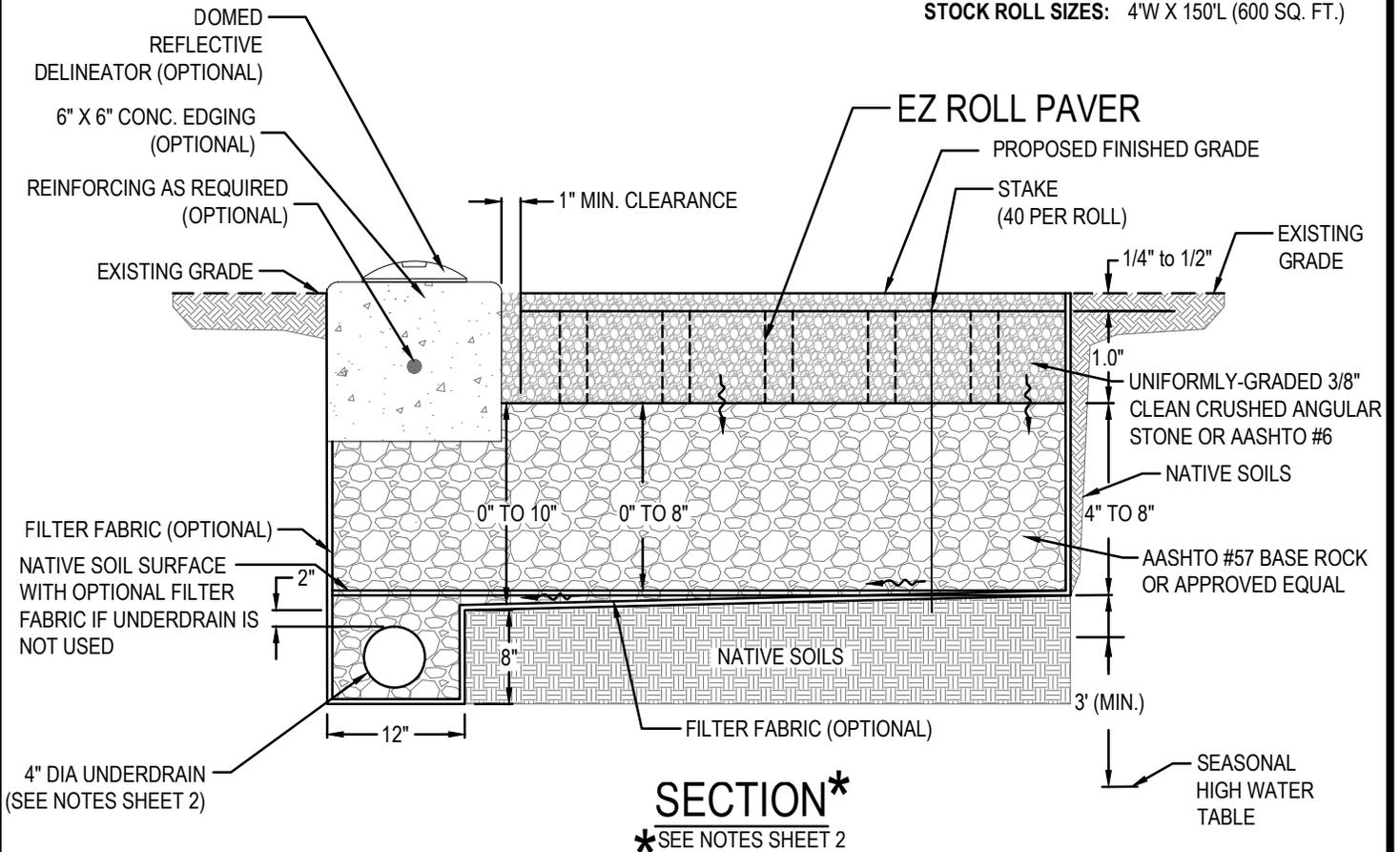


PLAN VIEW

EZ ROLL™ GRAVEL PAVER PRODUCT DESCRIPTION

CELL SIZE: 2-1/4" HEXAGONAL CELLS

STOCK ROLL SIZES: 4'W X 150'L (600 SQ. FT.)



1 of 2

<http://www.ndspro.com>

Call 1-888-825-4716



NDS®
We put water in its place

EZ ROLL
ENGINEERED PERMEABLE PAVER
GRAVEL SURFACE

NOTES:

ENGINEERING PROPERTIES:

1. COMPRESSIVE STRENGTH OF EZ ROLL:
EMPTY PAVERS: ULTIMATE LOAD = 53,683 LBS / 373 PSI
FILLED PAVERS: ULTIMATE LOAD = 500,000 LBS
2. POROSITY OF AASHTO #57 AGGREGATE = 0.4

GRAVEL FILL:

3. NDS RECOMMENDS UNIFORMLY-GRADED 3/8" CLEAN CRUSHED ANGULAR STONE OR AASHTO #6.
4. EXTEND 3/8" GRAVEL INSIDE PAVER AN ADDITIONAL 1/4 TO 1/2 INCH ABOVE PAVER SURFACE AND MATCH SURROUNDING GRADE. PROPOSED FINISHED GRADE SLOPE PER PROJECT GRADING PLAN. PROVIDE 1" (MIN.) CLEARANCE BETWEEN ANY CONCRETE EDGE AND PAVER.

AASHTO #57 BASE ROCK:

5. GRADATION OF AASHTO #57 COARSE BASE ROCK: 100% PASSING 1 1/2" SCREEN, 95-100% PASSING 1", 25-60% PASSING 1/2", AND 0-10% PASSING #8 SCREEN.
6. THICKNESS OF AGGREGATE LAYER IS AS FOLLOWS: NO BASE REQUIRED FOR EROSION CONTROL AND PEDESTRIAN-ONLY LOADS (COMPACTION OF NATIVE SOIL RECOMMENDED FOR SLOPES UP TO 3%); 4 INCHES FOR LIGHT LOADS (GOLF CARTS); 6 INCHES FOR MEDIUM LOADS (CARS AND PICKUP TRUCKS); 8 INCHES FOR HEAVY LOADS (FIRE TRUCKS).
7. COMPACT WITH ONE TO THREE PASSES OF 5-TON STEEL WHEEL ROLLER. SINCE IT IS DIFFICULT TO MEASURE DENSITY OF COARSE AGGREGATE, APPROACH OF REQUIRING A FIXED DENSITY IS NOT APPLICABLE.

FILTER FABRIC (OPTIONAL):

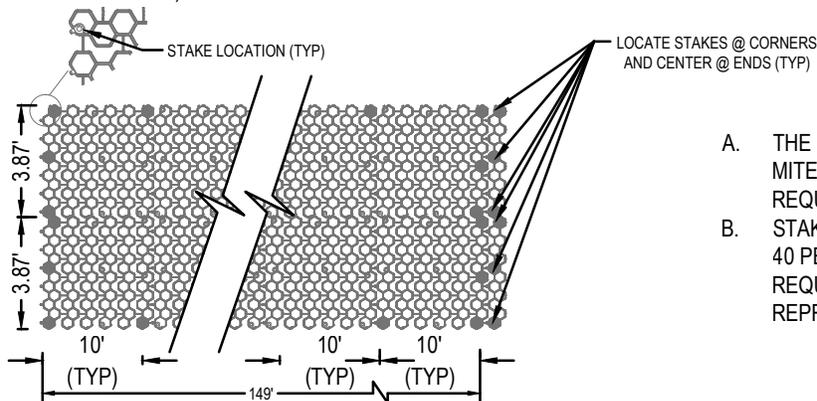
8. FILTER FABRIC MAY BE USED TO PREVENT MIGRATION OF FINES FROM SURROUNDING NATIVE SOILS INTO COARSE AGGREGATE LAYER. THE FABRIC PREVENTS CLOGGING OF AGGREGATE LAYER AND EXTENDS ITS USEFUL LIFE. USE OF FILTER FABRIC IS STRONGLY RECOMMENDED AROUND EDGE DRAIN.
9. NDS RECOMMENDS NON-WOVEN NEEDLE-PUNCHED GEOTEXTILE. WOVEN GEOTEXTILES SHOULD NOT BE USED.
10. USE FILTER FABRIC WITH AOS <0.60 MM FOR NATIVE SOILS WITH 50% OR LESS PARTICLES BY WEIGHT PASSING NO.200 SIEVE. USE FILTER FABRIC WITH AOS <0.30MM FOR NATIVE SOILS WITH 50% OR GREATER PARTICLES BY WEIGHT PASSING THE NO.200 SIEVE.

UNDERDRAIN:

11. NDS RECOMMENDS UNDERDRAIN TO COLLECT PERCOLATED WATER AND CONVEY TO PROJECT STORMWATER FACILITY FOR NATIVE SOIL THAT IS NRCS HYDROLOGIC SOIL GROUP C OR D (LOW INFILTRATION RATES). UNDERDRAIN IS OPTIONAL FOR SOIL GROUP B (MODERATE INFILTRATION) AND CAN BE ELIMINATED FOR SOIL GROUP A (GOOD INFILTRATION).
12. USE MINIMUM 4-INCH DIA PERFORATED PVC OR POLYETHYLENE PIPE AT 250-FT CENTERS; MINIMUM ONE PIPE. PIPE TO BE INSTALLED AT MINIMUM 0.5% SLOPE. RECOMMENDED 2 SQ. INCHES OF OPENING / LINEAR FOOT.
13. UNDERDRAIN TO DAYLIGHT INTO PROJECT STORMWATER FACILITY (CATCH BASIN / OPEN CHANNEL / BASIN).
14. INVERT OF PIPE RECOMMENDED TO BE ABOVE PROJECT HIGH WATER LEVEL TO PREVENT BACKING-UP OF WATER INTO PAVER SYSTEM.
15. UNDERDRAIN TO BE SURROUNDED BY 4" OF AASHTO #57 COARSE AGGREGATE, WITH MIN. 2" BEDDING.

SUBGRADE NATIVE SOIL:

16. COMPACT SUBGRADE NATIVE SOILS TO 95% STANDARD PROCTOR DENSITY PER ASTM D696 FOR SOILS WITH CALIFORNIA BEARING RATIO >20%, R VALUE >30, AASHTO A-1, A-2, AND A-3 SOILS.
17. NDS RECOMMENDS THAT ENGINEER-OF-RECORD CONSIDER HIGHER LEVEL OF COMPACTION FOR CBR 5 TO 20%, R-VALUE 10 TO 30, AASHTO A-4 SOILS FOR HEAVY LOADS WHERE INFILTRATION INTO NATIVE SOILS IS NOT A REQUIREMENT.
18. NDS RECOMMENDS THAT ENGINEER-OF-RECORD CONSULT WITH PROJECT GEOTECHNICAL ENGINEER FOR POTENTIAL SOIL MODIFICATION (E.G., LIME TREATMENT) AND COMPACTION LEVEL FOR CBR <5% AND R-VALUE <10, AASHTO A-5, A-6, AND A-7 SOILS.



- A. THE DIAGRAM IS DESIGNED FOR STRAIGHT LINE RUNS. MITERS, CUTS AND DIRECTIONAL CHANGES MAY REQUIRE ADDITIONAL STAKES.
- B. STAKES WILL BE PROVIDED BY NDS AT A QUANTITY OF 40 PER 3.87' x 149' ROLL. IF ADDITIONAL STAKES ARE REQUIRED ORDER THROUGH YOUR AUTHORIZED NDS REPRESENTATIVE USING PART #GP STAKE.

2 of 2

<http://www.ndspro.com>

Call 1-888-825-4716



NDS[®]
We put water in its place

EZ ROLL
ENGINEERED PERMEABLE PAVER
GRAVEL SURFACE