SECTION A - TYPICAL
SEE TABLE No. 1

TABLE NO. 1

<table>
<thead>
<tr>
<th>LAYER</th>
<th>MATERIAL</th>
<th>PEDESTRIAN</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>WELL</td>
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<tr>
<td></td>
<td></td>
<td>POOR</td>
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<tr>
<td>A</td>
<td>PERMEABLE UNIT PAVERS</td>
<td>PER APPROVED PAVER</td>
</tr>
<tr>
<td>B</td>
<td>BEDDING (LEVELING) COURSE (ASTM NO. 8)</td>
<td>2&quot;</td>
</tr>
<tr>
<td>C</td>
<td>AGGREGATE BASE COURSE (ASTM NO. 57)</td>
<td>4&quot;</td>
</tr>
<tr>
<td>D</td>
<td>AGGREGATE RESERVOIR COURSE (ASTM NO. 2, 3, OR 57)</td>
<td>4&quot;</td>
</tr>
</tbody>
</table>

NOTES:
1. AGGREGATE SHALL BE OPEN-GRADED (WASHED) AND CONFORMING TO ASTM D488.
2. THICKER GRAVEL RESERVOIR MAY BE PERMITTED, PROVIDED LONG-TERM STABILITY OF ADJACENT STREET AND ROADWAY ELEMENTS, INCLUDING ABUTTING STRUCTURES, CAN BE ENSURED TO THE SATISFACTION OF THE ENGINEER.
3. SUBGRADE SLOPE TO MATCH STREET & SIDEWALK GRADES (SEE NOTE 12).

SECTION B (ALT 1)

SECTION B (ALT 2)

SECTION C1

SECTION C2

NOT TO SCALE
1. Work shown herein shall require the issuance of a revocable permit. Property owners installing permeable pavers shall regularly inspect and maintain the finished work. This shall include: inspecting for pooling or other visible problems, particularly after rains and; cleaning and removing debris, trash, sediments and similar elements. Other considerations include: movement or settlement of pavers, joint filler or gravel between pavers, or vegetation growth along joints. Property owners shall submit a “covenant and maintenance” and a “waiver of damages, indemnification” agreements to the city for review and approval before recording the agreements with the Los Angeles County Registrar-Recorder. A copy of the recorded “covenant and maintenance” and “waiver of damages, indemnification” agreements shall be filed with the city engineer before a work permit can be issued.

2. All sites shall conform with site and soil conditions as well as clearance requirements as specified in S-480 or as required by local authorized agencies whichever is more restrictive.

3. Pre-approval of the use of permeable pavers intended to meet low impact development (LID) requirements shall be obtained from the Bureau of Sanitation Watershed Protection Division. Where trees exist or are being proposed or existing shallow tree roots occur within the parkway, pre-approval shall be required from the Bureau of Street Services (BSS), Urban Forestry Division (1149 South Broadway, Suite 400 Los Angeles, CA 90015 - (800) 996-2489) to secure clearance and obtain set-back and/or prunning requirements.

4. All materials and installations shall be provided with site specific paver layout and details, product data, geotechnical investigation, utility relocation and/or protection plan, maintenance and operation plans, for review and approval prior to construction. Existing boundaries of permeable pavers such as curb & gutter and sidewalk must be in good condition and free of discontinuous slopes due to settlements or uplifting.

5. Only paver materials approved in accordance with S-601 and S-480 may be implemented in the parkway as specified herein. Use of a stack bond pattern is not permitted. Minimum paver thickness shall be 3-1/8 inch. No cut paver shall be less than 1/3 of the paver original width or length, or less than 2-1/2 inches.

6. Compact subgrade to 90% of maximum density per standard Proctor test (ASTM D698) or per geotechnical recommendations. After compaction, scarify subgrade 1/4 in to 1/2 in deep. Aggregate layers, except the bedding (leveling) layer, shall be compacted in maximum 8 inch thick lifts with a minimum 13,500 LBF plate compactor with a compaction indicator. Two complete coverages are required for each lift. Each lift shall be made with two passes in two perpendicular directions. Pavers shall be compacted after joint filler is placed with a minimum 5,000 LBF plate compactor in two perpendicular directions.

7. Well-draining soils shall have a minimum site soil infiltration rate of 1/2 inch per hour and the paver base shall full drain within 24 hours. If a reservoir is provided, it should slowly drain within 48 hours. Poor draining soils are those with an infiltration rate between 1/4 to 1/2 inch per hour. Paver installation is not permitted where infiltration rate is below 1/4 inch for residential installations. Simplified testing of soil permeability is permitted as follows: dig a hole 1 ft wide by 1 ft below proposed subgrade elevation. Scratch the sides and bottom with the tip of the shovel. Fill bottom 1 ft of hole slowly with water and let it drain completely. Place a ruler or measuring tape in the hole and refill the hole slowly with water in the presence of the inspector. After 15 minutes, measure how many inches or fraction of an inch the water level has dropped. Multiply this value by four, and report this final value as "inch per hour" to the inspector.

8. Bottom of gravel reservoir layer shall be at least 10 feet above the seasonal high water table per S-480 or 2 feet above bedrock, as determined by the geotechnical investigation.

9. Impermeable liners and geotextiles shall conform to standard plan S-480.

10. Paver layout shall be uniform in alignment, gap width, configuration, and approved color or color pattern. There shall be no isolated low spot, misalignment, errant gaps, broken or cracked pavers. Set pavers at 1/8" inch higher than adjacent sidewalks, curbs, edgers, bands and collars. The finished paved surface shall neither have vertical unevenness nor horizontal joint variations greater than 1/8 inch over a 10 feet distance any directions.

11. Observation wells shall be spaced at 50 feet maximum on center and placed within the paved permeable surface area as shown on sheets 1 and 2.

12. For infiltration and drainage purposes, permeable pavers shall be placed so as the top surface achieve a minimum continuous cross slope of 1% and maximum of 2% respectively. Permeable pavers shall not be constructed in locations where the longitudinal street slope is greater than five (5) percent.

13. All concrete edgers, collars and bands shall have a continuous slope with the adjacent surfaces to avoid any diversion of flow.

14. Provide erosion control measures adjacent to sidewalks to protect the permeable paver area from sedimentation build-up. Sidewalk-to-parkway ratio shall not exceed 3:1.

15. Convenience strip is required when on-street parking is permitted and tree wells/vegetated parkway exceed 6 feet in length.

16. Upon completion of installation, permeable pavers surface infiltration rate shall be tested per ASTM C1781 at any location within the pavers area as determined by the engineer. The minimum infiltration rate shall be 100 inches per hour.

17. No traffic sign, parking meter, bus shelter, and other installations shall be directly installed over the paver.

18. Provide a minimum 4 ft wide clear and unobstructed house walk from curb face to sidewalk spaced at 50 feet on center per the residential parkway landscaping guidelines.

19. Concrete edgers, collars and bands shall have control joints spaced at 15'-0" on center. Concrete used shall be Class 520-C-2590.