1. ALL WORK SHALL CONFORM TO THE LATEST EDITION OF STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION (SSPWC) AS AMENDED BY THE BROWN BOOK, LATEST EDITION, AND, TO THE REQUIREMENTS OF STANDARD PLAN S-480 AS LISTED HEREIN BELOW.

2. THE WORK IN THIS STANDARD PLAN IS INTENDED FOR PARKWAYS SERVING RESIDENTIAL (RE, R-1, R-2, AND R-3) ZONES. IN ADDITION, BASIN CONSTRUCTION SHALL ONLY BE PERMITTED WHERE THERE EXISTS A CONCRETE SIDEWALK IN GOOD CONDITION, SEPARATING THE PROPERTY FROM THE PARKWAY AND A CONCRETE CURB AND GUTTER IN GOOD CONDITION ALONG THE ROADWAY PARALLEL TO THE PARKWAY AREA.

3. RESIDENTIAL PARKWAY BASINS SHOWN ON THIS STANDARD PLAN DO NOT RECEIVE STREET RUN-OFF, THEY ARE DEPRESSIONS CREATED IN THE AREAS BETWEEN THE STREET AND SIDEWALKS INTENDED FOR STORMWATER HARVESTING, FUNCTION AS ON-SITE SOURCE OF IRRIGATION, AND CAPTURE STORMWATER RUN-OFF.

4. PARKWAY BASINS SHALL NOT BE CONSTRUCTED IN LOCATIONS WHERE THE LONGITUDINAL STREET SLOPE IS GREATER THAN FIVE (5) PERCENT. THE LENGTH OF PARKWAY BASINS SHALL NOT BE GREATER THAN 20 FEET NOR LESS THAN 5 FEET.

5. PARKWAY BASIN SHALL BE LOCATED SO AS NOT TO REQUIRE ANY RELOCATION OF EXISTING UTILITIES SUCH AS STREET LIGHTS, TRAFFIC LIGHTS, UTILITY POLES, POWER POLES, TRAFFIC SIGNALS, FIRE HYDRANTS, SANITARY SEWER LATERALS, STORM DRAINS, CONNECTIONS, VAULTS, PULL BOXES AND OTHER SIMILAR UTILITIES AND THEIR ASSOCIATED CONDUITS. A MINIMUM OF FIVE FEET RADIAL SETBACK SHALL BE PROVIDED BETWEEN THE PARKWAY AND ANY COMPONENTS OF SUCH UTILITIES.

6. CONTACT DIG-ALERT AT 811 AT LEAST 72 HOURS PRIOR TO COMMENCING WORK TO IDENTIFY UTILITY LOCATIONS. IF UTILITIES EXIST OR UNMARKED UTILITIES ARE DISCOVERED IN OR WITHIN PROPOSED EXCAVATION, PARKWAY BASIN SHALL NOT BE CONSTRUCTED. SEE STANDARD PLAN S-480 FOR ADDITIONAL REQUIREMENTS.

7. UNLESS OTHERWISE NOTED, COBBLES STONES SHALL BE NATURAL ANGULAR STONES, 9-IN MINIMUM IN DIAMETER. EMBED A MINIMUM OF 5-INCHES INTO THE GROUND IN AN INTERLOCKING PATTERN, WITH THE MOST ROUNDED PORTION ORIENTED OUTWARDLY.

8. A. ALL BASIN SLOPES EXCEEDING 1(VERTICAL): 3 (HORIZONTAL) SHALL BE REINFORCED WITH COBBLES.
   B. TOP OF CONVENIENT STRIP AND ANY BUFFER ZONE ALONG PERIMETER OF BASIN SHALL BE 3-INCH BELOW ADJACENT CURB, SIDEWALK OR HARDSCAPE.
   C. WHERE NO PARKING IS PERMITTED, CONVENIENCE STRIP MAY BE REDUCED TO A ONE(1) FOOT BUFFER ZONE.

9. PARKWAY BASINS SHALL NOT BE CONSTRUCTED WITHIN EXISTING TREE CANOPY DRIP LINE. CUTTING INTO OR OTHERWISE DAMAGING EXISTING TREE ROOTS IS NOT PERMITTED. URBAN FORESTRY DIVISION PERMIT IS REQUIRED FOR ALL ROOT PRUNING.

10. BASIN SOIL:
    PARKWAY BASINS SHALL ONLY BE CONSTRUCTED IN AREAS WITH WELL DRAINING SOILS. THE MINIMUM SITE SOIL PERMEATION RATE SHALL BE 0.5 INCHES PER HOUR. HOWEVER, BASINS SHALL BE DESIGNED TO FULLY DRAIN THEIR MAXIMUM CAPACITY WITHIN 24 HOURS. CONDUCT SIMPLIFIED TESTING FOR SOIL PERMEABILITY AS FOLLOWS:
    1) DIG A HOLE 1 FT WIDE AND 1 FT DEEP. SCRATCH THE SIDES AND BOTTOM WITH THE TIP OF THE SHOVEL.
    2) FILL HOLE SLOWLY WITH WATER AND LET IT DRAIN COMPLETELY.
    3) PLACE A RULER OR MEASURING TAPE IN THE HOLE AND REFILL THE HOLE SLOWLY WITH WATER IN THE PRESENCE OF THE INSPECTOR.
    4) 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.

11. FILL IN BOTTOM OF BASIN AND 1-6 MAX SLOPPED AREAS WITH 2” TO 4” OF MULCH. MULCH SHALL CONFORM TO STANDARD PLAN S-480 NOTE 5. G. (12).

12. BASIN VEGETATIVE MATERIAL:
    A. GENERAL: USE DROUGHT TOLERANT, LOW WATER USE VEGETATION. NATIVE PLANTS GENERALLY PROVIDE THE BEST OPTIONS FOR GREEN STREETS INFRASTRUCTURE. WHEN MAKING SELECTION, COMPLY WITH LIMITS OUTLINED IN THE RESIDENTIAL PARKWAY LANDSCAPE GUIDELINE.
    B. VEGETATIVE MATERIAL SELECTED SHALL CONFORM TO STANDARD PLAN S-480 NOTE 5. G.(10) AND IN GENERAL CONFORMANCE WITH PLANT LISTING IN STANDARD PLAN S-484 ALTHOUGH ALTERNATE PLANTS MAY BE CONSIDERED. OPTIONS MAY CONSIST OF SHRUBS, WILDFLOWERS, NATIVE BUNCH GRASSES, ETC. - FINAL DESIGN SHALL BE REVIEWED BY THE BUREAU OF STREET SERVICES (BSS) FOR FINAL APPROVAL.
    C. FOR CONVENIENT STRIP, PROVIDE DROUGHT TOLERANT TURF-SUBSTITUTE GROUND COVER PER THE RESIDENTIAL PARKWAY LANDSCAPE GUIDELINE (RPLG) WITH APPROPRIATE HEADER STRIP, UNLESS ADJACENT COBBLES ARE ALSO INSTALLED. FINAL DESIGN SHALL BE REVIEWED BY THE BUREAU OF STREET SERVICES (BSS) FOR FINAL APPROVAL.
    D. CHOOSE PLANTS THAT MINIMIZE OR ELIMINATE THE USE OF FERTILIZERS OR PESTICIDES AND THAT ARE ABLE TO SUSTAIN GROWTH WHERE THE CONTINUOUS LOW BASE FLOW AND FLAT SLOPES ARE LIKELY TO RESULT IN SATURATED SOIL CONDITIONS. USE SPECIES THAT WOULD BE ABLE TO WITHSTAND PERIODIC WETTING, INCLUDING TOTAL SUBMERGENCE FOR SHORT PERIODS IN SUMMER AND CONTINUED WETTING AND OCCASIONAL PERIODS OF SUBMERGE IN WINTER TIME.
    E. PROVIDE APPROPRIATE IRRIGATION FOR PLANT ESTABLISHMENT.

13. MAINTENANCE REQUIREMENTS:
    B. REMOVE ACCUMULATED SEDIMENT FROM BOTTOM OF BASIN TO RETAIN DESIGN DEPTH. PRUNE VEGETATION TO PRESERVE VISIBILITY AND PREVENT OBSTRUCTION OF TRAFFIC LANE, PEDESTRIAN PATHWAYS, AND CONVENIENT STRIP. REMOVE INVASIVE WEEDS BEFORE THEY CAN ESTABLISH AND PROLIFERATE.
    C. SEE STANDARD PLAN S-480, NOTES 8 & 9 FOR ADDITIONAL REQUIREMENTS.