1. Remove sediment and excavate at pipe inlet. Place 15 S.Y. 6"x12" rip rap around pipe inlet. Berm edges of rip rap area to catch sediment.
2. Reconstruct RG-1 per detail 5-2. Place one boulder and 27 S.Y. of 3" decorative rock per TS-4 in flowline area.
3. Remove sediment from inlet and outlet pipes. Place 4" tall berm around pipe inlet per detail 5-6 and TS-4 using 2 S.Y. 3" decorative rock, include work in rock costs.
4. Regrade 85 L.F. swale per detail 5-3.
5. Prepare RG-2 per detail 5-1.
6. Regrade 75 L.F. swale per detail 5-3.
7. Prepare RG-3 per detail 5-1. Ensure level rain garden surface.
8. Remove rock and re-use in other rain gardens. Grade area smooth and seed and mulch (removing rain garden).
9. Prepare RG-5 per detail 5-1. Ensure final rain garden surface is 18" lower than road.
11. Prepare RG-6 per detail 5-1. Ensure final rain garden surface is 18" lower than road.
12. Prepare RG-7 per detail 5-1. Ensure level surface in rain garden and grade area around rain garden to drain to rain garden.
13. Reconstruct RG-8 per detail 5-2. Ensure final rain garden surface is 18" lower than road. Regrade and extend berm from road to trail with low spot in middle. Ensure surrounding area drains to rain garden. Place boulder and 16 S.Y. of 3" decorative rock in flowline through rain garden per TS-4.
14. Prepare RG-9 per detail 5-1.

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PROVIDENCE BIKEWAY
SOUTH BIODRETENTION
Part Sheet
Sheet 2 of 8
1. Use 2 S.Y. 6" clean rock. Place in berms across flowline to slow water and catch sediment. Berm 8" above flowline per detail 5-6 and 7S-4.

2. Place 5 S.Y. 6" clean rock in rip rap to fill gaps if necessary.

3. Prepare RG-10 per detail 5-1. Ensure surrounding area drains to raingarden.

4. Remove rock and re-use in other raingardens. Grade area smooth and seed and mulch (Removing raingarden).

5. Prepare RG-12 per detail 5-1. Ensure final raingarden surface is 10" lower than road.

6. Regrade 20 L.F. of swale to raingarden per detail 5-3.

7. Remove sediment from inlet and outlet pipes. Place 4" tall berm around pipe inlet, per detail 5-6 and 7S-4, using 2 S.Y. 3" decorative rock, include work in rock costs.

8. Regrade 40 L.F. of swale per detail 5-3.

9. Prepare RG-13 per detail 5-1. Ensure positive drainage to raingarden.
1. Excavate sediment and rock at pipe inlet. Re-use rock and add 2 S.Y. 3" decorative rock as necessary to create rock berm around pipe inlet, per detail 5-6 and 7S-4, and 6" above final rain garden surface. Include work costs in rock costs.

2. Prepare RG-14 per detail 5-1. Create sinusoidal flow path through rain garden with 25 S.Y. 3" decorative rock per 7S-4. Place 3 large boulders in rain garden. For level rain garden surface, it may be necessary to have two tiers or gentle slope for surface.

3. Prepare RG-15 per detail 5-1. Ensure positive drainage to rain garden. Ensure final rain garden surface is 18" lower than road.

4. Remove sediment around pipe inlet. Place 5 S.Y. 6" x 12" rip rap around pipe inlet. Bury at outer edges of rip rap area, per 7S-4, to catch sediment. Seed and mulch disturbed areas and unvegetated areas of RG-16 (Removing rain garden).

5. Prepare RG-17 per detail 5-1. Ensure level rain garden surface and final surface elevation is 18" lower than road.

6. Prepare RG-18 per detail 5-1. Install 1/2 S.Y. of 3" decorative rock on sinusoidal flow path through rain garden per 7S-5.

7. Prepare RG-19 per detail 5-1. Ensure swale drains to rain garden.

8. Repair rock berm with 1 S.Y. 6" clean rock and per detail 5-6 and 7S-4. Place 10 S.Y. 6" x 12" rip rap below rock berm to match and fill in existing rip rap.

9. Prepare RG-20 per detail 5-1. Install 15 S.Y. of 3" decorative rock on sinusoidal flow path through rain garden per 7S-5.