STORM DRAINAGE

1. Temporary erosion control and water pollution measures shall be installed, in accordance with the plans and accepted best management practices adjustments to accommodate differing field conditions shall be made, as necessary, throughout the construction process. At no time, will silts and/or debris be allowed to drain into an existing or newly installed facility.

2. Swales within areas of mass grading shall be scarified a minimum of 24 inches prior to shaping, and after installation of curb and gutter.

3. All disturbed areas shall receive a minimum 1-inch dressing of top soil and be hydro seeded or sodded, as indicated on the plans. Seeded areas will not be accepted until the seed has germinated, and the grass is thoroughly established. Sodded areas will not be accepted until the roots have taken hold, and the grass has received two cuttings.

4. Care shall be taken to prevent compaction of the sub-grade in the grass infiltration areas of swales. In the event the sub-grade should be compacted or insufficient percolation is observed, testing of the sub-grade may be required at the discretion of the City Engineer. If a sufficient percolation is not observed, the sub-grade must be removed and replaced, or scarified to a minimum depth of 24” and retested.

5. Topsoil placed within the swales shall be free draining, and placed at a depth greater than 1-inch and less than 3-inches. At concrete spillways, finished top soil shall be kept 1”-2” below the finished concrete surface. To prevent compaction of the sub-grade and topsoil, wheeled equipment should not be used within the swale area. The minimum percolation rate through a constructed swale shall meet design requirements. Testing of percolation rates through a constructed swale may be required at the discretion of the City Engineer.

6. Drywells shall be installed to the elevations indicated on the plans. The elevation of the drywell rim shall be at least 0.2 feet below lowest adjoining curb cut. Finished top soil adjacent to the drywell shall be at least 2-inches below the drywell rim.

7. Grass infiltration areas shall be hydro seeded with 50 lb. / 1,000 square feet, consisting of a mixture with equal portions of Canada Bluegrass, Crested Wheatgrass, Hard Fescue and Sheep Fescue. Seeded areas shall be fertilized with a commercial fertilizer per the manufactures specifications and mulched with “Silva Fiber Plus”, or approved equal wood fiber cellulose at a rate of 1 ton per acre.

8. All sewer mains shall be air tested in accordance with ISPWC, Section 501.

9. Storm sewer pipes and drywells shall be separated a minimum of 10 feet horizontally from domestic water mains. Crossings of water mains and sewer systems shall have a minimum 18-inch vertical separation. Any anticipated

separation less than minimum standards contained herein, shall conform to the Idaho Rules for Waste Water, (IDAPA 58.01.16).

10. Flood testing of all swales shall be conducted prior to final acceptance if required by the City Engineer.