SITEL GRADING

The portion of the site slated for construction under these construction documents is to be level and stripped to remove all grass, roots, organic soil, and construction fill debris prior to the beginning of any grading operations.

All stockpiled soil shall be stockpiled for site use as final fill ground cover.

Following stripping and grading, the exposed soils shall be proof tested to reveal weak, organic, or otherwise unsuitable soils. Unsuitable soils shall be excavated to firm ground.

Exposed subgrade soils on areas to receive structural fill shall be blistered to a depth of 12" and recompacted with structural fill.

Fill areas shall be structurally filled with surplus suitable materials from cut areas or suitable imported materials. Select materials shall be placed in fill areas in the not to exceed 6". Each lift shall be compacted to 95% of the maximum dry density. Fill materials shall be free of organic, and rock fragments in excess of 6" in diameter.

Compaction testing shall be done in accordance with the AASHTO T-99.

At the end of the grading operation, the stockpiled stripplings shall be distributed on the landscape areas in a compacted depth not to exceed 12".

All deleterious materials generated during site grading and stripplings not utilized in the final ground cover operation shall be hauled from Phase 2 to certain locations in Phase 3.

All surface shall be graded smooth and free of irregularities that might accumulate surface water.

Maximum slopes at site at the completion of grading shall not exceed 2 horizontal 1 vertical (10%).

The contractor shall employ a licensed surveyor to verify that the grading tolerances are at the correct plane grade prior to concrete placement. The cross-gutters shall be constructed prior to paving, and the pavement shall then fresh the edge of concrete gutters.

STORM SEWERS

Materials for storm sewer inlet basemat & pipe shall be PVC pipe or approved equal. Contractor to meet all pressure testing requirements of Spokane County.

Trench excavation shall meet the requirements of Section 7.9.6.3(1).

Storm sewer pipe backfill and basemat shall meet the requirements of Section 7.9.6.3(2). Backfill material shall be compacted to 95% of the maximum relative density.

Trench basemat shall meet the requirements of Section 7.9.6.3(2).

All roof water shall be routed and splash-blocked to landscape areas.

SANITARY SEWER CONSTRUCTION NOTES

Materials for sanitary sewer pipe shall be Solid Wall PVC Sanitary Sewer Pipe unless otherwise specified.

Prior to backfilling sewer service lateral ends, the Contractor shall notify the project lead surveyor to confirm the lateral location is correct. The construction "As Built" information may be gathered. If the Contractor fillfällt prior to the gathering of required information, the Contractor shall be required to expose the end of service lateral.

Backfill for sanitary sewer pipe shall be as required by the City of Spokane utility permit.

Sanitary sewer inlets shall be 6" in size, installed at a minimum slope of 0.02 ft per linear ft unless otherwise specified on the plan.

Sanitary Sewer laterals shall be extended to 10' behind the ERM line and the contractor shall mark lateral ends with a 10'-long, painted, colored or fluorescent tape and mark the depth of the lateral on the 24hr board.

Any sanitary service lateral that crosses over the water main shall be constructed per detail on sheet H-20.

WATER SYSTEM CONSTRUCTION NOTES

Pipe backfill for water pipe shall be as required by the City of Spokane Standards.

Contractor to maintain a minimum 10 horizontal and 18 vertical separation between all existing and proposed water and sewer lines.

City forces shall make all connections to existing mains. Contractor to pay all costs.

All utility trench backfilling shall be in conformance with City of Spokane Standard Plan B-300.

All valves, fittings, etc. shall be ductile iron. Water pipe shall be ductile iron. (Class 90)

Deflections of pipe joints shall not exceed 3% of maximum permissible deflection per Joint Deflection chart on page 94 or manufacturer recommended deflection, which ever is less.

Water lines shall be restrained per detail on sheet 35.

Contractor to coordinate with City of Spokane Water and Hydroelectric Services to shut off necessary water lines for construction and maintenance service as necessary. Research shall be performed for cost of any valves per WSDOT Plan H.61 for flushing and testing.

Backfill to be installed per WSDOT Standard Specifications. Lifts to be 6" maximum and compacted in accordance with City of Spokane Standard Plan B-100. Provide marking tape at mid-depth of backfill.

MONUMENTATION

The contractor shall coordinate with the surveyor to do so that concrete monuments are set as required by Spokane County. Monuments shall be set at survey points and steel intersections and shall conform to Spokane County Standard Plan A-14.