The design improvements shown in this set of plans and calculations conform to the applicable editions of the Spokane County Standards for Road and Bridge Construction and the Spokane County Guidelines for Storm Drainage. The plans are subject to approval of design revisions. A signature on the plan sets that are for construction indicates approval for such building.
SITE GRADING

The portion of the site slated for construction under these construction documents is to be cleared and stripped to remove all grass, roots, organic soil, and construction fill from the area. Stripping shall be completed within 10 days of the start of the work and the stripping shall be stored for later use as algal (fertilizer) ground cover.

Following stripping and grading, the exposed soils will be proof tested to reveal weak, organic, or other susceptible soils. Unsuitable soils shall be excavated to lift (ground). 

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

Fill areas shall be staked out with the subgrade staked to assure structural fill is placed at the appropriate depth.

Fill materials shall be placed in the areas as if to exceed 18". Each lift shall be compacted to 95% of the specified dry density for structural fill as certified by a soils and materials test.

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

At the end of the grading operation, the staked grading shall be staked to the landscape areas in a compacted depth of not exceeding 18".

All remaining materials generated during the staking and grading operations shall be removed from the site in accordance with the applicable local codes.

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

Maximum slopes on the site at the completion of grading shall not exceed 2 horizontal: 1 vertical (5%).

For any cut grades less than 0.5% (0.005:1), a Washington State licensed Professional Land Surveyor shall verify that the cut forms are in accordance with the approved plans. The Surveyor is responsible for checking and coordinating with the Professional Land Surveyor.

The contractor shall employ a licensed surveyor to verify that the cross-section forms are at the correct elevations prior to concrete placement. The cross-section forms shall be supported and braced in such a manner that the pavement shall not exceed the extent of concrete paddle.

STORM SEWERS

Materials for storm sewer will be specified. Storm sewer pipe shall be Corrugated Polyethylene Storm Sewer Pipe or approved equal.

Trench excavation shall meet the requirements of Section 7-18-0.11.

Storm sewer pipe bedding and backfill shall meet the requirements of Section 7-08-0.2. Backfill material shall be compacted to 95% of the maximum specified density.

Trench backfill shall meet the requirements of Section 7-18-0.33.

All road shall be graded and sanded (to be specified) to landscape areas.

SANITARY SEWER CONSTRUCTION NOTES

Sanitary sewer lines shall be 36" in size, installed at a minimum of 0.02 MBF unless otherwise specified on the plan.

Materials for sanitary sewer pipe shall be approved by the City of Spokane Fire Department.

Prior to backfilling sewer service lateral ends, the Contractor shall notify the project lead supervisor in a timely manner so that construction "As-Built" information may be obtained if the Contractor fails to comply with the gathering of required information, the Contractor shall be required to provide the required "As-Built" information.

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

Service lateral will be extended to 10' below the R.O.W. line and the contractor shall mark laterals with a 10'-2"-4" depth line on the lateral and mark the depth of the lateral on the 24" board.

WATER SYSTEM CONSTRUCTION NOTES

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

Contractor to maintain a minimum 10" horizontal and 10" 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 backfill shall be in conformance with the City of Spokane Standard Plan 9-180.

All valves, fittings, etc., shall be cast iron. Water pipe shall be 150 psi, Class 30.

Deflections at pipe joints shall not exceed 75% of the maximum permissible deflection per ASTM D2437 or manufacturers' recommendation, whichever is less.

Contractor to coordinate with City of Spokane Water and Hydraulics Services to ship off necessary water lines for construction and maintenance services as necessary.

Backfill to be installed per WSDOT Standard Specifications Uniformity to be 9'-1" maximum and compacted in accordance with City of Spokane Standard Plan 9-180. Provide marking tape at end depth of backfill.

MONUMENTATION

The contractor shall coordinate with the surveyor so that survey installations are completed as required by the City of Spokane.

Monuments shall be set at turning points and street intersections and shall conform to City of Spokane Standard Plan 9-14.