Syndicate County Standard Notes for Construction Plans

1) All work and materials shall be in conformance with the "Syndicate County Standards For Road and Sewer Construction" 1999, and as amended.

2) Locations of existing utilities shown in the plans are approximate. The Contractor shall be responsible for locating all underground utilities. Any conflicting utilities shall be relocated prior to construction of road and drainage facilities.

3) The Contractor is required to have a complete set of approved road and drainage plans on the job site whenever construction is in progress.

4) If the Contractor discovers any discrepancies between plans and existing conditions encountered, the Contractor shall immediately notify the Design Engineer and the Syndicate County Engineer's Office.

5) For construction of driveways, install fill fabric (Inconco 4404 approved equivalent) between the subgrade and the native soil.

6) Prior to site construction, the Contractor is responsible for locating underground utilities. Call the underground utility location service at 455-8000 before you dig.

Supplemental Notes: When Applicable

7) For any curb grades less than 0.6% (0.006), a Washington State-licensed Professional Land Surveyor shall verify that the curb forms are at the grades noted on the approved plans, prior to placement of curb material. The Contractor is responsible for stripping and coordinating work with the Professional Land Surveyor.

8) The Contractor shall employ a licensed surveyor to verify that the cross gutter forms are at the proper grade prior to concrete placement. The cross gutter forms shall be constructed so that the material will be placed two (2) months the edge of concrete gutter.

9) Grading shall be in accordance with the approved grading plans and ESC plans. Any report or report of material shall be from a preapproved source/inspector and coordinated with the Syndicate County Department of Building and Grounds at 427-3665. Grading on this site or on any other site must comply with all development regulations including, but not limited to: setback requirements, storm water control, runoff, vegetative harvest permits, critical areas, floodplains, designated drainages, etc.

Site Grading

The portion of the site slated for construction under these construction documents to be removed and clipped to remove all grass, roots, organic soil, and construction debris prior to the beginning of any grading operations. Spoilage shall be stockpiled for later use as fill 3' fill ground cover.

Following stripping and grading, the exposed soils shall be protected from reusable, salvage, or other unstable soils. Unstable soils shall be backfilled to fill grade.

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

Fill areas shall be structurally filled with suitable suitable materials from cut areas or suitable imported materials. Select materials shall be placed in fill areas not to exceed 2' (two) feet above the natural ground surface in any maximum of any 3' (three) feet in length, 3' (three) feet in width, and 3' (three) feet in depth. No materials shall be free of organic and root fragments in excess of 6" in dimension.

Compaction testing shall be done in accordance with the AASHTO T-99. At the end of the grading operation, the disturbed striping shall be distributed on the landscape area in a compacted depth not to exceed 12".

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

Maximum slope on site at the completion of grading shall not exceed 2% horizontal 1 vertical (50%).

Storm Sewers

Materials for storm sewer inlet lateral and pipe shall be:

Concrete Populare Storm Sewer "Pipe" or approved equal.

Trench excavation shall meet the requirements of Section 7-08.3.11.

Storm sewer bedding and backfill shall meet the requirements of Section 7-08.3.12. Backfill material shall be compacted to 95% of the maximum relative density.

Trench backfill shall meet the requirements of Section 7-08.3.13.

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

Foundation drains shall be directly connected to storm sewer lines.

Sanitary Sewer Construction Notes

Sanitary sewer laterals shall be 4" in size, installed at a minimum slope of 0.022 ft/ft unless otherwise specified on the plan.

Materials for sanitary sewer pipe shall be Sold Valve CPFP Sanitary Sewer Pipe unless otherwise specified.

Prior to backfilling sewer service laterals ends, the Contractor shall notify the project lead engineer in a timely manner to inspect the lateral for proper installation and function. Upon completion of all required backfilling, the Contractor backfills prior to the gathering of required information, the Contractor shall be required to expose the ends of service lateral sewer and sewer main connections.

Backfill for sanitary sewer pipe shall be as required by the City of Syndicate utility permit. Service laterals shall be extended to 10' behind the RSH line and the contractor shall make lateral with a 10'-3" 4" board, tracing wire, and mark the depth of the lateral on the lid base.

Contractor to construct cutoff walls in areas of rock, groundwater and as determined by the City of Syndicate Field Engineer in accordance with the City of Syndicate Standard Plan B-19.

Water System Construction Notes

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

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

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

All utility trench backfilling shall be in accordance with City of Syndicate Standard Plan B-19.

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

Deflections in pipes shall not exceed 10% of maximum permissible deflection per federal standard table or manufacturer's recommended deflection, whichever is less.

All water lines shall be restrained per latest Joint Standard Table.

Contractor to coordinate with City of Syndicate Water Department to shut off necessary water lines for construction and maintenance services as necessary.

Install 3-inch bushel assembly and at end of each water line per WSDOT Plan B-51 for flaring and testing.

Backfill to be installed per WSDOT Standard Specifications. Lifts to be 4 inches maximum and completed in accordance with City of Syndicate Standard Plan B-116. Provide marking tape at mid-depth of backfill.

All fire hydrants shall include a STORZ adapter.

Individual pressure reducing valves are required on all services.

Sewer and storm water line crossings as shown on the plans or directed by the City of Syndicate Field Engineer shall meet the requirements of City of Syndicate Standard Plan W-111.

Monumentation

The contractor shall coordinate with the surveyor so that construction monuments are set as required by Syndicate County. Monuments shall be set at cumulative points and street intersections and shall conform to Syndicate County Standard Plan A-14.