NOTES THIS DETAIL:

1. SHALLOW MANHOLES SHALL BE USED ONLY ON PUBLIC SEWER LINES GREATER THAN 3' AND LESS THAN 5' IN DEPTH AND MUST BE PRE-APPROVED BY THE WASTEWATER UTILITY.

2. ALL MANHOLE PIPE PENETRATIONS SHALL BE INSTALLED WITH WATERTIGHT PVC SAND COLLARS; CAST-IN-PLACE FOR NEW MANHOLES OR CORE & GROUT-IN-PLACE FOR EXISTING MANHOLES. BOOTS ARE NOT ACCEPTABLE.

3. PRIOR TO BACKFILL, CAST-IN-PLACE REINFORCED CONCRETE BASE SHALL BE CONSTRUCTED & CURED. WASTEWATER UTILITY INSPECTION IS REQUIRED.

4. COMPRESSIVE STRENGTH OF CONCRETE SHALL BE 3000 PSI MINIMUM.

5. MANHOLE STEPS ARE NOT ACCEPTABLE.

6. MANHOLES LOCATED IN CUL-DE-SACS, STREET KNUCKLES OR TERMINUS MANHOLES MAY HAVE LATERAL PENETRATIONS PRE-APPROVED BY THE WASTEWATER UTILITY AS SHOWN HEREIN.

7. ALL INLET PIPE PENETRATIONS ARE REQUIRED TO MATCH PIPE CROWN ELEVATIONS TO OUTLET PIPE CROWN ELEVATION AND HAVE INDIVIDUALLY FORMED FLOW CHANNELS.

SANITARY SEWER MANHOLE. SEE STD DWG SS-1, SS-4A & SS-5.

CONCRETE GRADE RINGS. 24" CLEAR OPENING

48" DIA. PRECAST REINFORCED CONCRETE MONOLITHIC CONCENTRIC CONE. HEIGHT: 2' MIN., 4' MAX. FLAT TOP MANHOLES ARE NOT ACCEPTABLE.

CAST-IN-PLACE REINFORCED CONCRETE BASE EXTENDED 8" MIN. BEYOND MANHOLE CONE OUTSIDE DIAMETER

FORMED KEYWAY JOINT OR PRE-APPROVED WATER STOP

FORM CONCRETE SHELF SLOPE 1"/1' (TYP.)

STEEL REINFORCING. #5 REBAR 12" O.C.E.W. X 4" ABOVE BOTTOM OF CONCRETE BASE

6" FREE DRAINING MATERIAL OR WASHED ROCK COMPACTED TO 90% RELATIVE COMPACTION EXTENDED 12" MIN. BEYOND MANHOLE CONE OUTSIDE DIAMETER

REVISION APPROVED DATE

CITY OF COEUR D'ALENE STANDARD DRAWING APPROVED BY:

SHALLOW MANHOLE TERMINUS/LATERALS

DWG NO. SS-1A