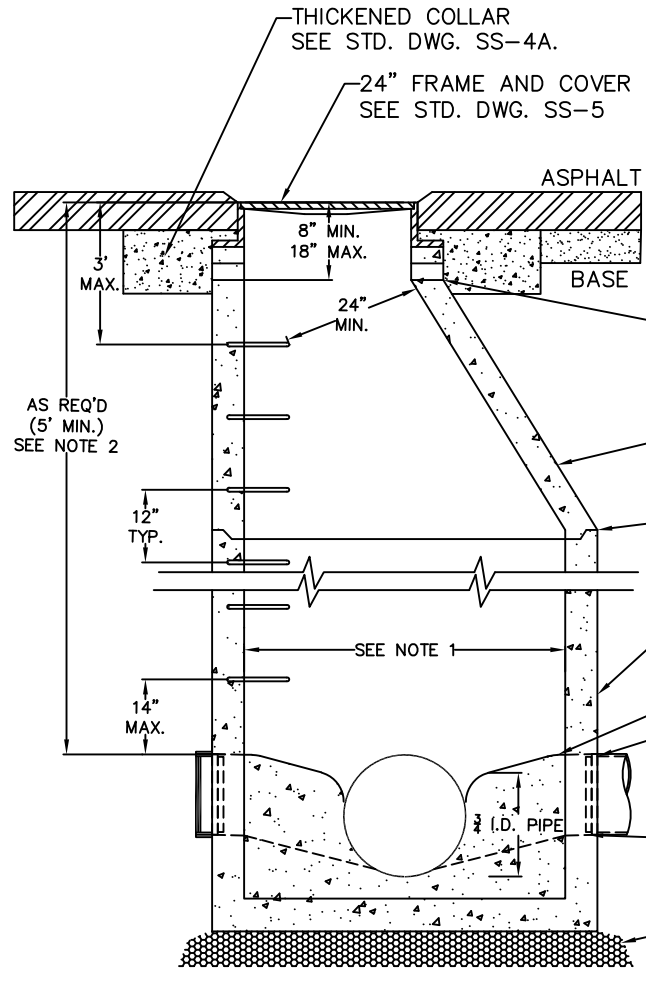


NOTES THIS DETAIL:

1. MANHOLE INSIDE DIAMETERS SHALL BE 48" FOR PIPE DIAMETERS 24" OR LESS, 60" FOR ANY PIPE DIAMETER GREATER THAN 24" AND/OR PIPE DEPTHS GREATER THAN 25'.
2. MANHOLES WITH PIPE DEPTHS LESS THAN 5' REQUIRE PRE-APPROVAL FROM THE WASTEWATER UTILITY.
3. INVERT ELEVATIONS FOR STRAIGHT THROUGH CHANNELS SHALL HAVE 0.10' FALL FROM INLET TO OUTLET. MANHOLES WITH CHANNEL BENDS OR CHANGE IN FLOW DIRECTION SHALL HAVE 0.15' FALL BETWEEN THE INLET AND OUTLET. FIELD VERIFY PRIOR TO BACKFILLING.
4. INLET INVERT ELEVATIONS INTO MANHOLES WITH INTERCEPTOR PIPES (15" DIA.) SHALL MATCH UPSTREAM INTERCEPTOR PIPE CROWN ELEVATIONS.
5. 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.
6. PRIOR TO PAVING, FRAME AND COVER SHALL BE ADJUSTED TO 1/4" BELOW FINISH SURFACE ELEVATION & SECURED TO CONCRETE GRADE RINGS ON FULLY DEPRESSED RAMNECK OR APPROVED EQUIVALENT. BIODEGRADABLE MATERIALS ARE NOT ACCEPTABLE.
7. PRIOR TO PAVING, THICKENED COLLARS SHALL BE CONSTRUCTED & CURED. WASTEWATER UTILITY INSPECTION IS REQUIRED.



- CONCRETE GRADE RINGS. 24" CLEAR OPENING OR APPROVED EQUIVALENT.
- PRECAST REINFORCED CONCRETE MONOLITHIC ECCENTRIC CONE SECTION. HEIGHT 2' MIN., 4' MAX. FLAT TOP MANHOLES ARE NOT ACCEPTABLE.
- SEAL ALL JOINTS WITH RAMNEK OR MASTIC WATERTIGHT SEALANT EQUIVALENT.
- PRECAST REINFORCED CONCRETE BASE AND BARREL SECTIONS. INSTALL TO H-20 LOADING REG.
- CONCRETE SHELF SLOPE 1"/1' (TYP.)
- MATCH SMALLER PIPE CROWN ELEVATIONS TO LARGER "NON-INTERCEPTOR" PIPE UPSTREAM CROWN ELEVATIONS AND FORM ALL CHANNELS TO MATCH & DRAIN INTO MANHOLE BASE CENTERLINE CHANNEL INVERT.
- GROUT ALL PIPE PENETRATIONS, SEAMS AND PICK HOLES SMOOTH AND BURR-FREE.
- 6" FREE DRAINING MATERIAL OR WASHED ROCK COMPACTED TO 90% RELATIVE COMPACTION EXTENDED 12" MIN. BEYOND MANHOLE OUTSIDE DIAMETER.

REVISION	APPROVED	DATE

CITY OF COEUR d'ALENE STANDARD DRAWING

STANDARD SEWER MANHOLE

APPROVED BY:

Chris Bosley 7/2/18
CITY ENGINEER, PE (10804) DATE:

DWG NO. SS-1