NOTES THIS DETAIL:

 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.

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NO LATERAL
PENETRATIONS

CONCRETE BASE

NOT SHOWN FOR

NO LATERAL-PENETRATIONS

INDIVIDUALLY-

FORMED FLOW CHANNELS

DEPTH

AS REQ'D

SEE NOTE 1

MIN.

MIN.

CLARITY

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

ł	REVISION	APPROVED	DATE	CITY OF COEUR d'ALENE STANDARD DRAWING		APPROVED BY:	
İ				SHALLOW MANHOL	E	Chris Booky	7/2/18
ŀ						CITY ENGINEER, PE 10804	DATE:
ŀ				TERMINUS/LATERAI		DWG NO. SS-1A	