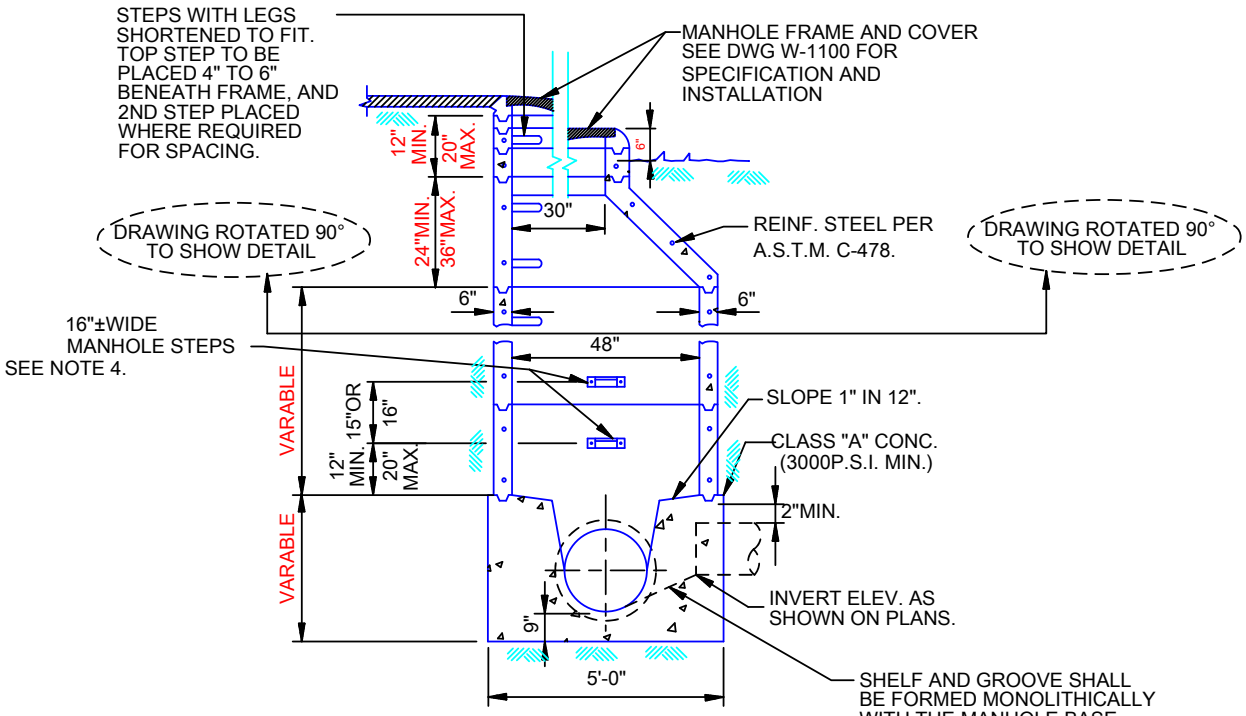

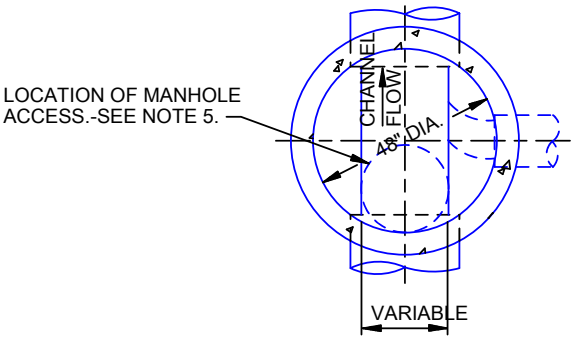

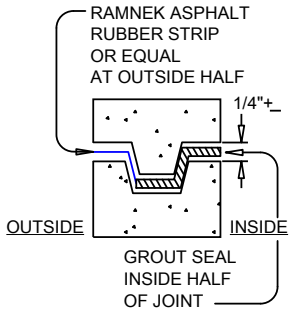

JOINT DETAIL

NOTES:

1. ALL SECTIONS TO BE WASHED TO REMOVE ANY LOOSE MATERIAL, THEY ARE TO BE SET IN PRE-FORMED COLD-APPLIED READY-TO-USE PLASTIC JOINT SEALING COMPOUND AND PRIMER, RAM-NEK OR APPROVED EQUAL.
2. PROVIDE FLEXABLE JOINT IN ALL SEWER PIPES OUTSIDE OF MANHOLE BUT WITHIN 12" OF CONCRETE BASE.
3. CONCRETE RING AROUND FRAME SHALL BE CURED WITH A PIGMENTED CURING COMPOUND MEETING THE REQUIRMENTS OF SECTION 90-7 OF STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS.
4. MANHOLE STEPS SHALL BE: M.A. INDUSTRIES, INC., MANHOLE STEP #P52-PFS OR APPROVED EQUAL.
5. ALL MANHOLE TOPS SHALL BE INSTALLED WITH MANHOLE COVER OVER THE THE UPSTREAM INLET, EXCEPT AS OTHERWISE SPECIFIED.
6. PRECAST REINFORCED CONCRETE MANHOLES SHALL CONFORM TO THE REQUIRMENTS OF A.S.T.M. C478 AND: A. BE DESIGNED FOR A.A.S.H.O. H-20 LOADING;
   B. CONCRETE SHALL BE COMPACTLY VIBRATED, CENTRIFUGALLY SPUN, OR MECHANICALLY TAMPED.
7. SEWER MAINS ARE TO BE LAID THRU THE MANHOLE WHERE POSSIBLE AND USED AS A FORM FOR THE INVERT. THE TOP 1/2 DIAMETER OF THE PIPE IS TO BE BROKEN OUT TO A NEAT LINE, BROKEN EDGES SHALL BE PLASTERED SMOOTH WITH CONCRETE MORTAR.
8. CONCRETE BASE SHALL BE OF CLASS "A" CONCRETE AND PLACED AGAINST UNDISTURBED EARTH IN ONE OPERATION. CONCRETE INVERTS SHALL BE TRUE TO GRADE AND ALIGNMENT, AND FINISHED WITH A SMOOTH SURFACE. SPECIAL CARE SHALL BE USED IN FORMING ALL CHANNELS TO FACILITATE THE FLOW OF SEWAGE.
9. FOR SEWER GREATER THAN 12 FEET DEEP OR 18 INCHES IN DIAMETER OR GREATER USE W-1130

	APPROVED DATE: January 1, 2011 Joseph Beaudry DIRECTOR OF ENGINEERING	STANDARD DRAWING PRECAST CONCRETE MANHOLE	STD. DWG. NO. W-1070