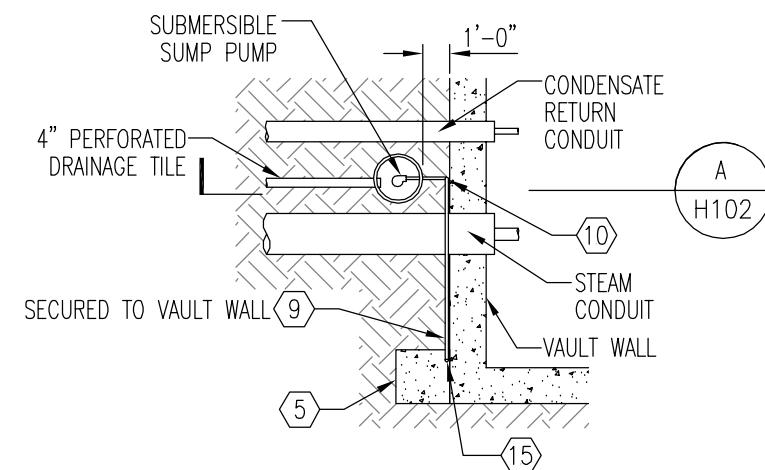
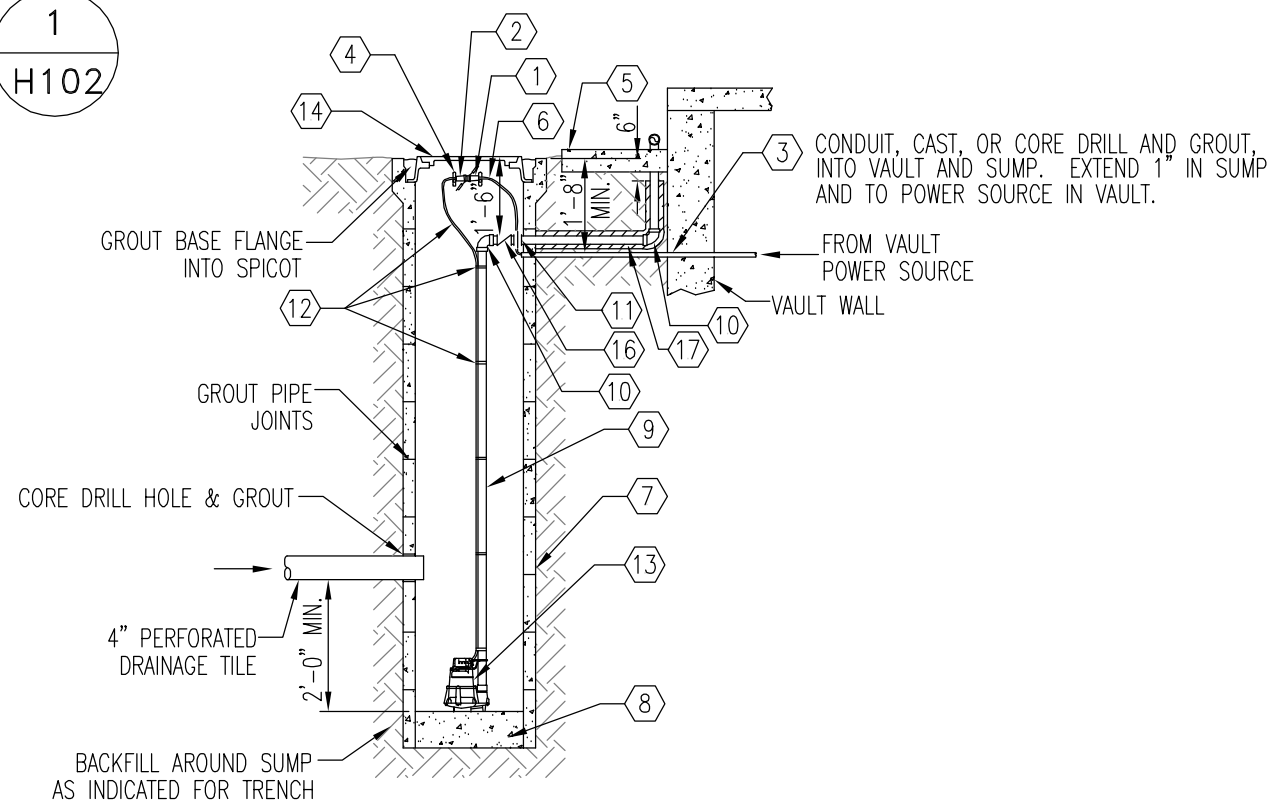


TRENCH SECTION 1 H102



UNDERDRAIN SUMP PLAN 2 H102



UNDERDRAIN SUMP SECTION A H102

# NOTES:

- PIPE BEDDING MATERIAL AND INSTALLATION PROCEDURES SHALL BE AS SPECIFIED BY THE DIRECT BURY PIPE MANUFACTURER.
- BACKFILL MATERIAL ABOVE THE PIPE BEDDING MATERIAL SHALL BE NATIVE MATERIAL IF IT COMPLYS WITH ALASKA DOT SECTION 204 - 2.01, TYPE C.
- BACKFILL COMPACTION SHALL COMPLY WITH ALASKA DOT SECTION 301 - 3.03. MOISTURE/DENSITY RELATIONS OF SOILS SHALL BE CALCULATED IN ACCORDANCE WITH AASHTO T 99 OR T 180.
- PERFORATED DRAINAGE TILE SHALL BE 4" PVC. PIPE SHALL COMPLY WITH ALASKA DOT SECTION 706 - 2.06. PERFORATED PIPE, AASHTO M264 OR M278. INSTALL PIPE WITH PERFORATIONS FACING DOWNWARDS.
- CONCRETE SHALL COMPLY WITH ALASKA DOT SECTION 501 - 2.01 FOR MATERIALS REQUIRED AND SECTION 501 - 3.01 FOR PROPORTIONING OF MATERIALS. CONCRETE SHALL BE TYPE W.
- PIPE SHALL BE A53 TYPE E. INSULATION SHALL BE FLEXIBLE ELASTOMERIC CLOSED-CELL INSULATION, AP ARMAFLEX SHALL HAVE K FACTOR OF NOT MORE THAN .27 AT 75° F MEAN TEMPERATURE. APPLY ARMSTRONG 520 ADHESIVE TO BUTT JOINTS AND SEAMS OR PROVIDE SELF SEALING SEAMS. INSULATION SHALL HAVE 3 LAYERS OF 6 MIL POLYETHYLENE SHEETING OVER IT
- REMOVE MANUFACTURES PLUG (AT END OF SUMP PUMP POWER CORD) AND TRIM (SO OR SJO) POWER CORDS TO ALLOW PLUG AND RECEPTACLE TO EXTEND ABOVE TOP OF MANHOLE FOR CONNECTION.

## MATERIAL LIST:

ITEM	DESCRIPTION
1	RECEPTACLE, WATER TIGHT, TWIST-LOCK, UL RATED
2	PLUG, WATER TIGHT, TWIST-LOCK, UL RATED
3	1-1/2" SCHEDULE 40 PVC
4	PLASTIC COATED HOOKS TO HOLD CORD.
5	24"x24"x6" CONCRETE SPLASH BLOCK
6	12 GA WIRE
7	18" REINFORCED CONCRETE PIPE ASTM C76 WITH BELL & SPIGOT
8	6" THICK CONCRETE FLOOR
9	1" A53 PIPE
10	1" STANDARD WALL 90 FITTING
11	1" UNION
12	WIRE TIE
13	SUBMERSIBLE SUMP PUMP WITH INTEGRAL FLOAT SWITCH
14	WATER TIGHT BASE FLANGE AND 16-1/4" COVER
15	1" STANDARD WALL 45 FITTING TURNED DOWN
16	1" CHECK VALVE
17	ARMAFLEX INSULATION