



NOTES:

- 1 PIPE BEDDING MATERIAL AND INSTALLATION PROCEDURES SHALL BE AS SPECIFIED BY THE DIRECT BURY PIPE MANUFACTURER.
- 2 BACKFILL MATERIAL ABOVE THE PIPE BEDDING MATERIAL SHALL BE NATIVE MATERIAL IF IT COMPLIES WITH ALASKA DOT SECTION 204 - 2.01, TYPE C.
- 3 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.
- 4 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.
- 5 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.
- 6 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
- 7 REMOVE MANUFACTURES PLUG (AT END OF SUMP PUMP POWER CORD) AND TRIM (SO OR SJ) 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



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Date: 14 FEB 2010
Scale: NTS
Designed By: RAH
Drawn By: EMS
Checked By: NEM

DIRECT BURIED HEAT DISTRIBUTION SYSTEM
TRENCHING, BACKFILL & DRAINAGE
DESIGN & CONSTRUCTION STANDARDS

Drawing No.
UES-DD-H102