STEAM TUNNEL DETAIL

INSTALL PROTECTION BOARD FOR BITUTHENE 3000 PRIOR TO BACKFILL
BACKFILL AROUND TUNNEL WITH SAND
RUBBERIZED ASPHALT/POLYETHYLENE WATERPROOFING MEMBRANE BITUTHENE 3000
STEAM PIPE
DRAINAGE STONE (MIX OF #1 & #2 STONE, MIN. 6" THICK)
6" SDR-35 UNDERDRAIN MIN. 3" STONE
WRAP FILTER FABRIC AROUND STONE TO TOP OF BASE SLAB
FILL RECESS WITH LOOSE GRAVEL AND COVER WITH MORTAR
LIFTING LUG SIZED AND SPECIFIED BY PRE-CAST CONTRACTOR.

PRECAST TUNNEL WITH RECESSED LIFTING HOOKS
2" SAND PIPE BEDDING MATERIAL
BUTYL TAPE
3" MORTAR CANT CLEAN & PAINT BASE SLAB WITH LATEX BONDING COMPOUND ON BASE SLAB.
CAST-IN PLACE CONCRETE SLAB DETAILING BY ENGINEER
PLACE 10 MIL POLY BELOW SLAB. TRIM AT EDGE OF FORM
FILL SPACE WITH CLOSED CELL FOAM SEALANT TRIMMED FLUSH W/ TUNNEL
(3) STRIPS OF BUTYL TAPE (MINI 3/4" X 3/4" SQUARE) ON TOP AND SIDES

SECTION A-A: STEAM TUNNEL JOINT

DESIGN and CONSTRUCTION STANDARD
CORNELL UNIVERSITY

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