

B. GROUT PLACEMENT (Continued)

- Install two threaded 3" steel 90 degree 12" radius elbows with caps. Elbows are to pass through the concrete seals and be used as filler and vent pipes (See Figure #4).

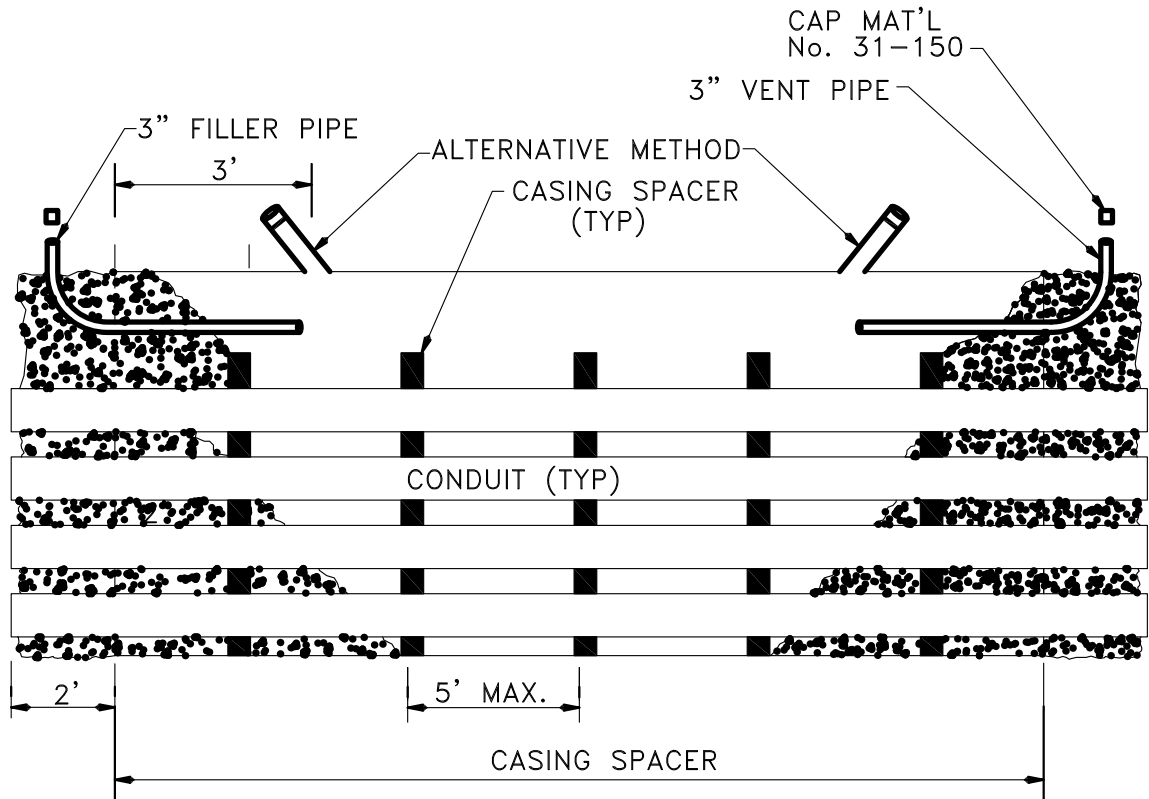

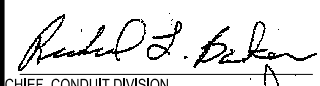
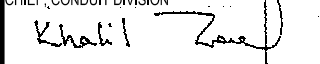


FIGURE 4

- Only "High Density Cable Backfill" shall be pumped into the casing. Grout is available from "LaFARGE," previously called Genstar or an approved equal. (See Baltimore City Std. 803.01-1 to determine amount of grout needed.)
- All trucks containing the required grout filler shall be on the job site before pumping operation is started.
- A "Squeeze-Crete" concrete pump shall be used to pump the grout into the casing. This type pump is available at Concrete Placing Services Inc, 708 Crain Hgwy. The pump shall be operated at a slow, continuous pace exercising care to avoid pressure readings of over 30 PSI. Pumping too fast could jam the material and stop the pumping operation prematurely and excessive pressure could collapse the ducts.
- Grout shall be pumped into the filler pipe until the grout is forced out the vent pipe. (Air and water will probably precede the grout.)
- When casing is filled, cap both the filler and vent pipes. be sure the pumping operation has stopped before the vent cap is put on. Do not give an "extra shot" once pumping of grout has stopped.
- Rod, clean and mandrill casing duct before extending or connecting them to adjacent ducts, The mandrill shall be 1/2" smaller then the ducts I.D.

	APPROVED:  CHIEF, CONDUIT DIVISION  DIRECTOR, DEPARTMENT OF TRANSPORTATION	CITY OF BALTIMORE DEPARTMENT OF TRANSPORTATION CONDUIT DIVISION	ISSUED 8 / 2010	REVISED	REVISED
	CONDUIT SECTIONS IN CASING PIPE		STANDARD NO. BC 803.01-5		
			SCALE: NONE	SHEET 5 OF 5	