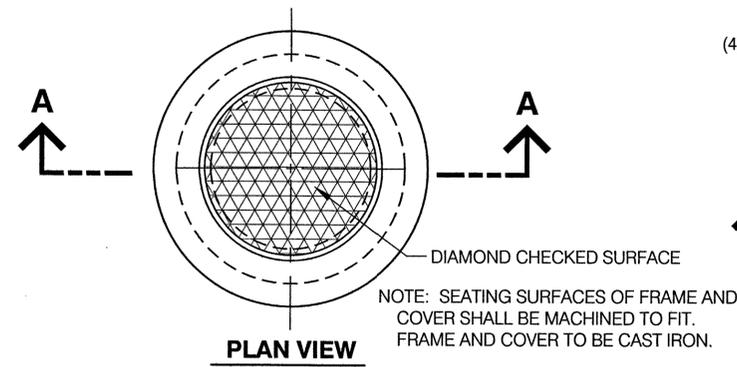
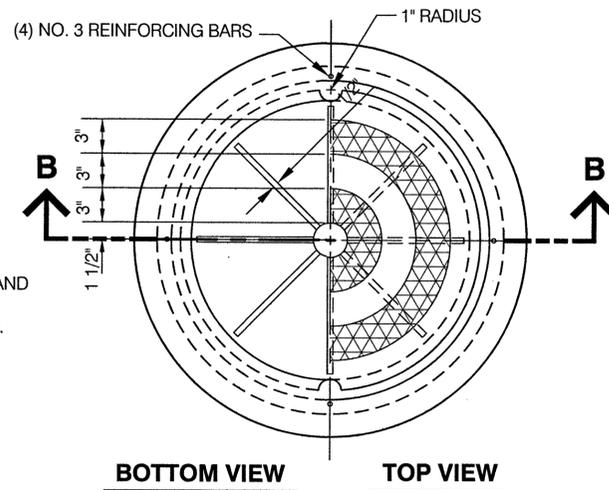


PULL BOX, TYPE PB-1 AND TYPE PB-1A



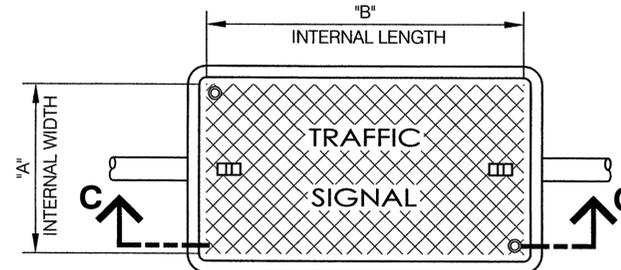
PULL BOX, TYPE PB-2



FIBER BOX DIMENSIONS				
PULLBOX TYPE	A	B	C	D
PB-6	18*	27*	18*	30*
PB-8	24*	36*	18*	30*
PB-10	36*	48*	36*	48*

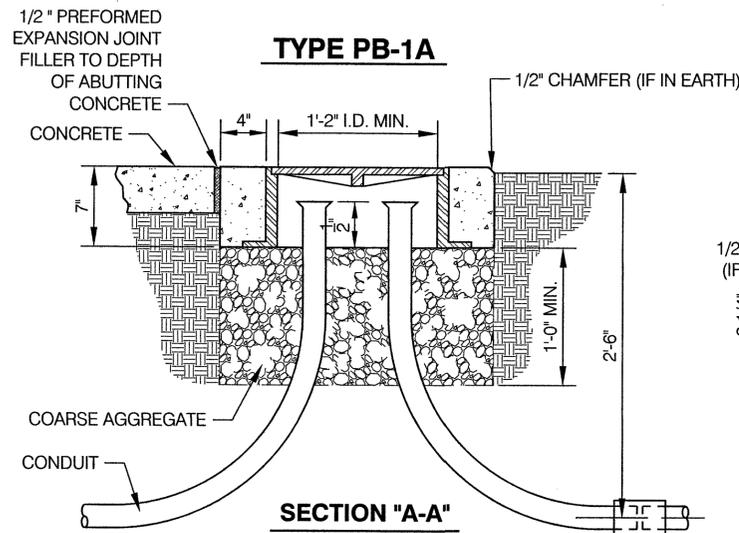
ALL DIMENSIONS IN INCHES
(* - DENOTES A MINIMUM DIMENSION REQUIREMENT)

FIBER BOXES



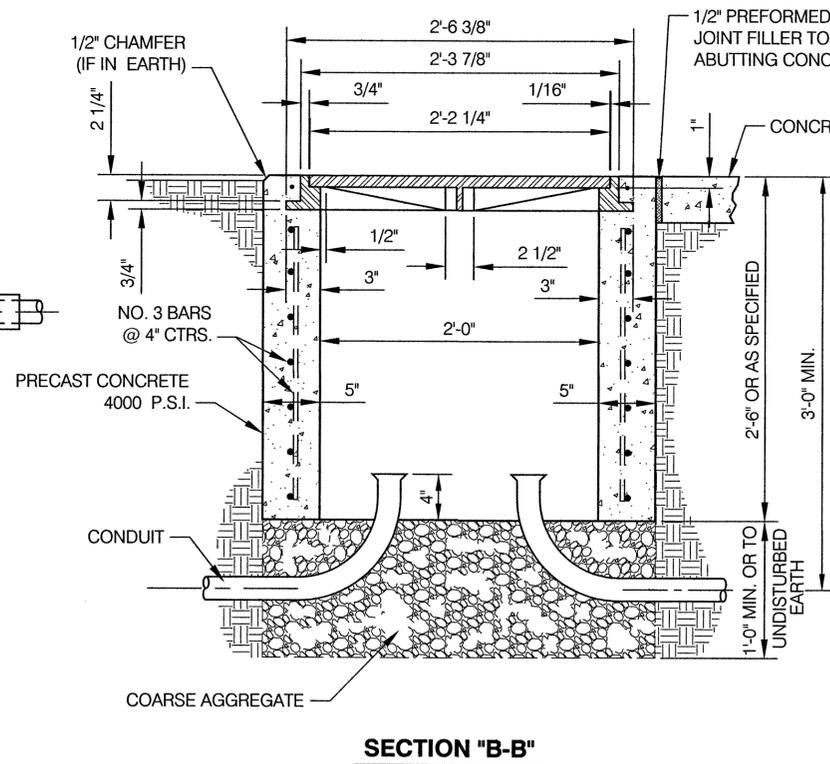
NOTES

- ACCESS DUCTS, BENDS AND/OR STEPS ARE SUBSIDIARY TO THE ITEM "PULL BOX, TYPE PB-1", "PULL BOX, TYPE PB-1A", OR "FIBER BOXES".
- COARSE AGGREGATE FOR FILL MATERIAL SHALL BE COMPOSED OF CLEAN, HARD, DURABLE AND UNCOATED PARTICLES, MINIMUM OF 1" IN DIAMETER.
- CONDUIT TERMINATION IN PULL BOX SHALL BE FITTED WITH BELL OR FLARED END.
- PULL BOXES WHICH ARE INTENDED FOR INSTALLATION IN SURFACED AREA, SUCH AS SIDEWALKS OR SURFACED MEDIANS, SHALL HAVE A LIP OR FLANGED EDGE FRAMING THE COVER OPENING TO PROVIDE A FLUSH, FRAMED SEPARATION BETWEEN THE SURFACING MATERIAL AND THE EDGES OF THE COVER.
- FIBER PULL BOXES ARE INTENDED TO BE INSTALLED BEHIND CURBS OR SIDEWALKS AT DISTANCES OFF THE ROADWAY WHERE NO DELIBERATE VEHICULAR TRAFFIC IS ANTICIPATED AND ONLY AN OCCASIONAL HEAVY VEHICLE WILL BE ENCOUNTERED.
- FIBER PULL BOXES SHALL BE MANUFACTURED ENTIRELY OF POLYMER CONCRETE (PC) CONSISTING OF AGGREGATE BOUND TOGETHER WITH POLYESTER RESINS AND REINFORCED WITH WOVEN GLASS STRANDS OF FIBER POLYESTER REINFORCEMENT OR A COMBINATION OF POLYMER CONCRETE AND STRUCTURAL FIBERGLASS REINFORCED POLYMERS (FRP) OR A COMBINATION OF POLYMER CONCRETE AND HIGH DENSITY POLYETHYLENE (HDPE).
- FIBER PULL BOX COVERS SHALL BE MADE OF HEAVY DUTY POLYMER CONCRETE CONSTRUCTION, EITHER SOLID OR SUFFICIENTLY RIBBED TO WITHSTAND THE STATIC LOADS AS REQUIRED BELOW. THE MANUFACTURER'S NAME AND THE LOGO, "TRAFFIC SIGNAL", SHALL BE ON THE COVER. THE COVER SHALL BE HELD SECURELY IN PLACE BY TWO OR MORE 3/8" (MIN. DIA.) STAINLESS STEEL HEX HEAD BOLTS WITH FLAT WASHERS. BOLTS SHALL BE CAPTIVE TO COVER.
- FIBER PULL BOX ASSEMBLIES (BOX WITH COVER SECURELY ATTACHED) SHALL BE DESIGNED FOR A VERTICAL STATIC LOAD OF 16,000 POUNDS WITH A 1.3 SAFETY FACTOR. A VERTICAL TEST LOAD OF 20,800 POUNDS APPLIED TO A 10" x 10" STEEL PLATE CENTERED ON THE COVER'S SURFACE SHALL NOT CAUSE FAILURE ON ANY PART OF THE ASSEMBLY.
- FIBER PULL BOX ASSEMBLIES (BOX WITH COVER SECURELY ATTACHED) SHALL BE DESIGNED FOR A 200 PSF LATERAL STATIC PRESSURE WITH A 3.0 SAFETY FACTOR. A 1,800 POUND TEST LOAD APPLIED TO A 24" x 18" STEEL PLATE CENTERED ON THE WALL OF THE BOX HAVING THE LONGEST DIMENSION, SHALL CAUSE NO PERMANENT DAMAGE TO ANY PART OF THE ASSEMBLY.
- MANUFACTURER'S CERTIFIED TEST RESULTS, SHOWING COMPLIANCE WITH SPECIFIED DESIGN LOADS AND SAFETY FACTORS ALONG WITH A PHYSICAL DESCRIPTION OF THE TESTING METHODS USED TO ACHIEVE THOSE RESULTS, WILL BE REQUIRED FOR EACH TYPE OF PULL BOX BEING FURNISHED. TEST RESULTS SHALL SHOW THE PROJECT NUMBER, CONTROL NUMBER, AND PROJECT LOCATION AND SHALL BE SIGNED BY AN AUTHORIZED REPRESENTATIVE OF THE FIRM MANUFACTURING THE PULL BOX.
- ALL CABLES AND CONDUITS IN PULL BOXES SHALL BE PROPERLY LABELED WITH CABLE AND CONDUIT ORIGIN AND DESTINATION LOCATIONS.

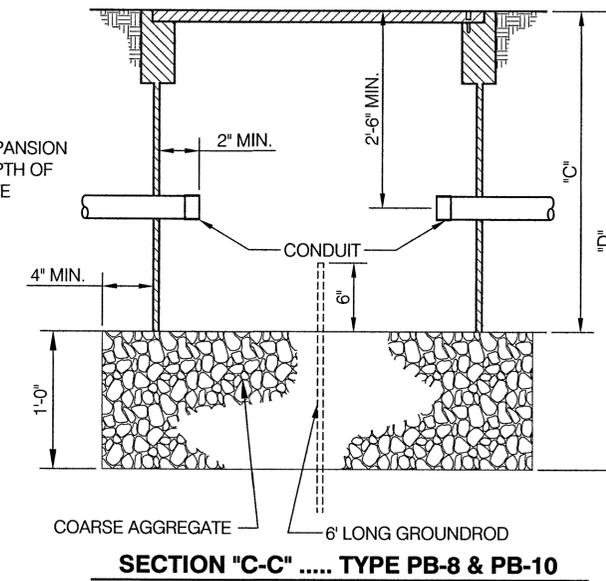


TYPE PB-1A

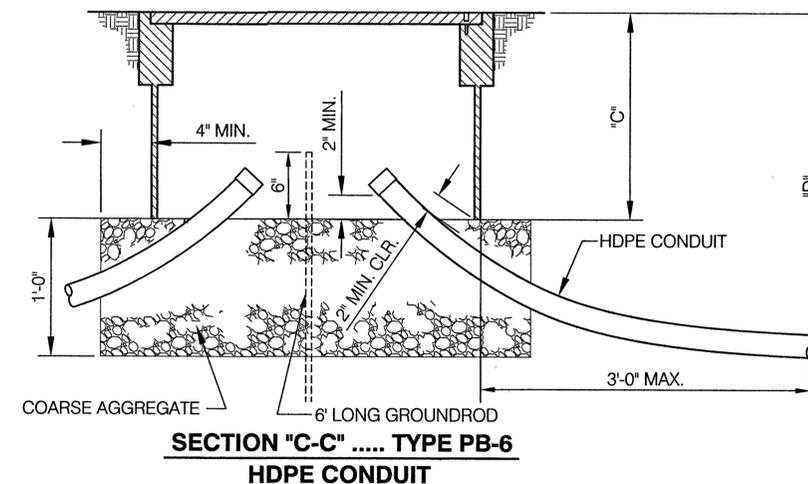
SECTION "A-A"



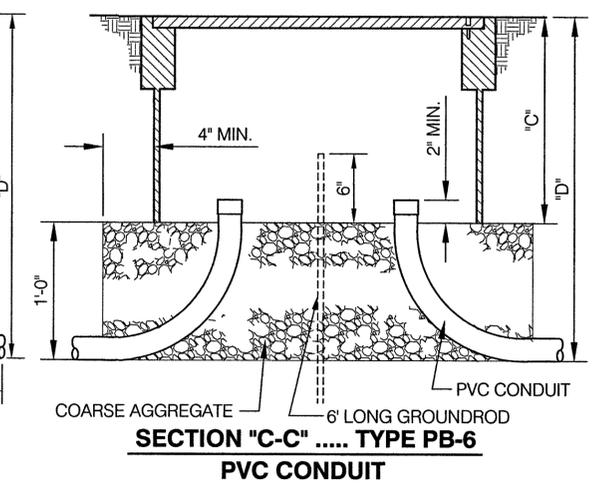
SECTION "B-B"



SECTION "C-C" TYPE PB-8 & PB-10



**SECTION "C-C" TYPE PB-6
HDPE CONDUIT**



**SECTION "C-C" TYPE PB-6
PVC CONDUIT**

**GROUNDING CONNECTIONS IN PULL BOX
(TYPICAL ALL METAL PULL BOXES)**

- BRONZE GROUNDING LUG, (MAY BE BOLTED OR BRAZED TO RING AND COVER).
- FLEXIBLE GROUNDING CONDUCTOR: 24", NO. 6 THIN STRANDED COPPER, GREEN.
- NO. 6 GROUNDING CONDUCTOR.

1	6/02/2015	Murphy K... TRAFFIC ENGINEER	CITY OF OMAHA	PUBLIC WORKS DEPARTMENT
	6/11/15	David P... CITY ENGINEER	PULL BOXES	STANDARD PLATE 900-01
			TYPES PB-1, PB-1A, PB-2, PB-6, PB-8, PB-10	ISSUE DATE: DECEMBER 10, 2013