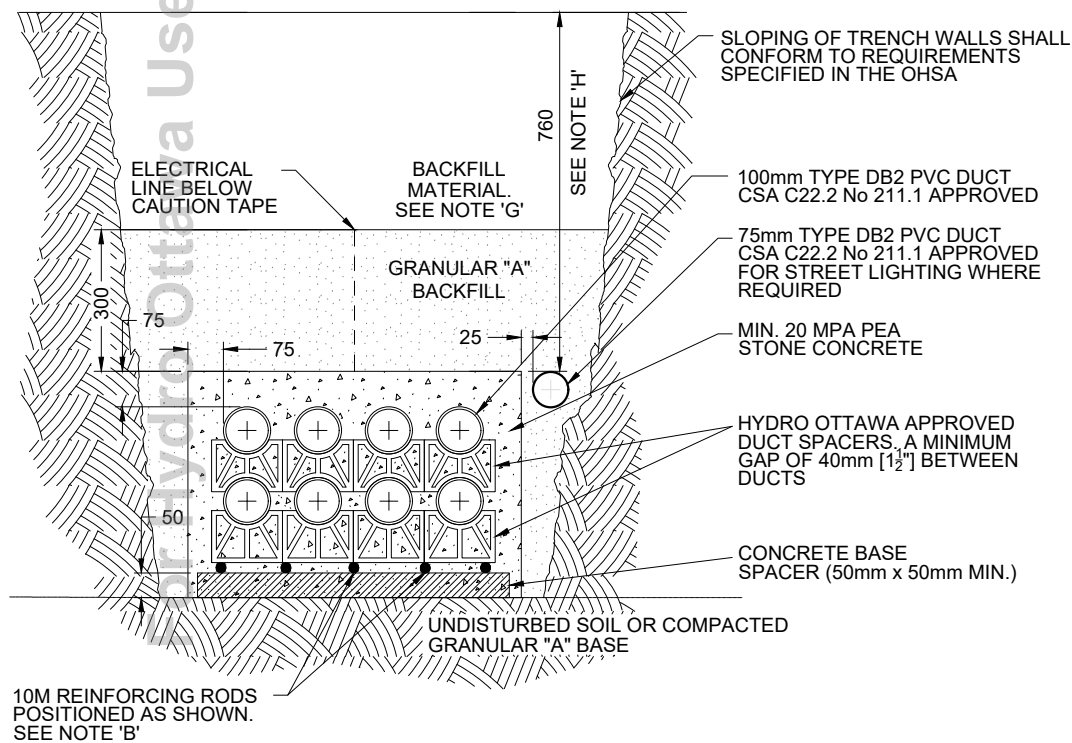


**NOTES:**

- A. ALL MEASUREMENTS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.
- B. REINFORCING RODS FULL LENGTH OF CONCRETE ENCASED DUCTS. OVERLAP JOINTS BY 150mm ON BASE SPACERS AND TIE BOTH ENDS. DRILL AND DOWEL RODS 85mm INTO WALL(S) OF CONCRETE STRUCTURE.
- C. DUCT SPACERS TO BE PLACED AT A MAXIMUM OF 1500mm AND WITHIN 150mm OF COUPLING. PLASTIC DUCT SPACERS TO BE USED ONLY IF CONCRETE DUCT SPACERS ARE UNAVAILABLE.
- D. FORMS REQUIRED FOR BOTH SIDES OF THE FULL LENGTH OF CONCRETE ENCASED DUCT STRUCTURE.
- E. DUCTS AND TRENCHES MUST BE INSPECTED BY HYDRO OTTAWA BEFORE ANY CONCRETE IS POURED.
- F. CONTRACTOR MUST ENSURE THAT ALL DUCTS ARE CLEANED, RODDED AND THAT A 8mm [3/8"] POLYPROPYLENE ROPE IS LEFT IN EACH DUCT.
- G. ALL BACKFILL MATERIAL MUST BE APPROVED BY HYDRO OTTAWA INSPECTOR; FOR ACCEPTABLE BACKFILL MATERIAL, SEE HYDRO OTTAWA SPECIFICATION DOCUMENT GCS0005 SECTION 6.1.5.
- H. STEEL PLATES ARE TO BE USED IF THE COVER OVER THE DUCT BANK IS LESS THAN 450mm. THE PLATES ARE TO BE 6.5mm [1/4"] IN THICKNESS AND THE WIDTH OF THE DUCT BANK BEING COVERED. ANY DEVIATION FROM THE STANDARD COVER OF 760mm MUST BE APPROVED BY THE HYDRO OTTAWA INSPECTOR. IF COVER IS LESS THAN 300mm, A TECHNICAL DEVIATION IS REQUIRED.
- I. BELL ENDS ARE TO BE USED WHEN TERMINATING DUCTS IN STRUCTURES.



**CONCRETE DUCT BANK SECTIONS**

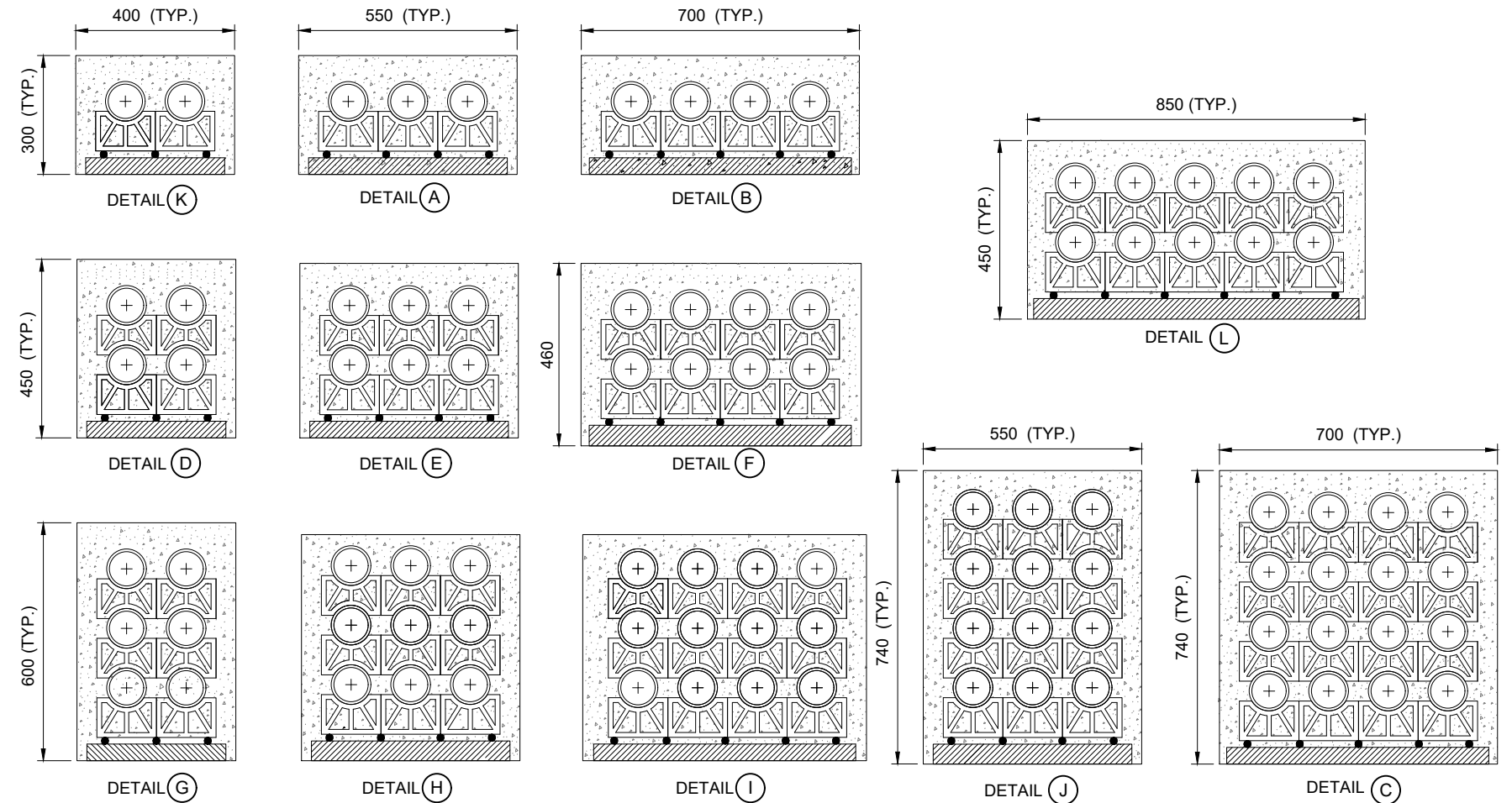


FIG 1. TYPICAL CONCRETE DUCT BANK SECTION VIEW

REVISIONS		PREP	CHKD	APPD	 <a href="http://WWW.HYDROOTTAWA.COM">WWW.HYDROOTTAWA.COM</a>	TITLE			
REV: 9	DATE: 2010-05-15 CHANGE: TITLE CHANGE	FB	RW	CSM		<b>ENGINEERING SPECIFICATION</b>  <b>DUCT CONCRETE CROSS SECTIONS</b>  <b>CONSTRUCTION DETAIL</b>	NO:	<b>UDS0001</b>	
REV: 10	DATE: 2014-02-10 CHANGE: ADDED 75mm MIN TO BOTTOM OF DUCT BANK	MM	RW	CSM					PREP: G. GOFORTH CHKD: C. PROULX
REV: 11	DATE: 2020-01-07 CHANGE: ADDED DETAIL 'L'. MINIMUM DUCT SPACING CHANGED TO 40mm, ADDED BASE SPACER DIMENSION, ADDED CAUTION TAPE	EV	SS/MW	BDH					APPD: C. MALONE P. Eng DATE: 2002-02-08 SCALE: N.T.S. @ ANSI B
						1	REV: 11		