

CONCRETE DUCT BANK SECTIONS

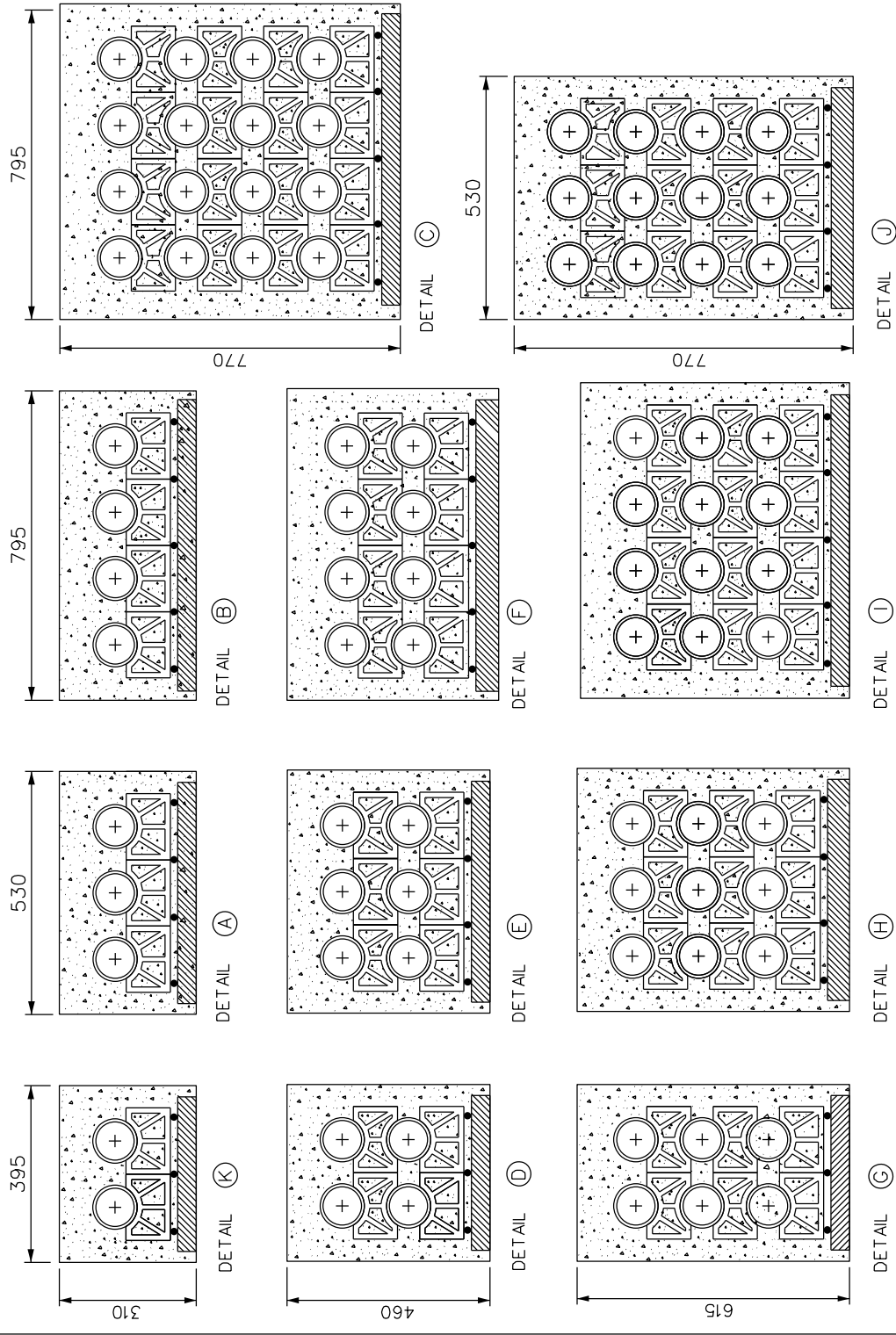
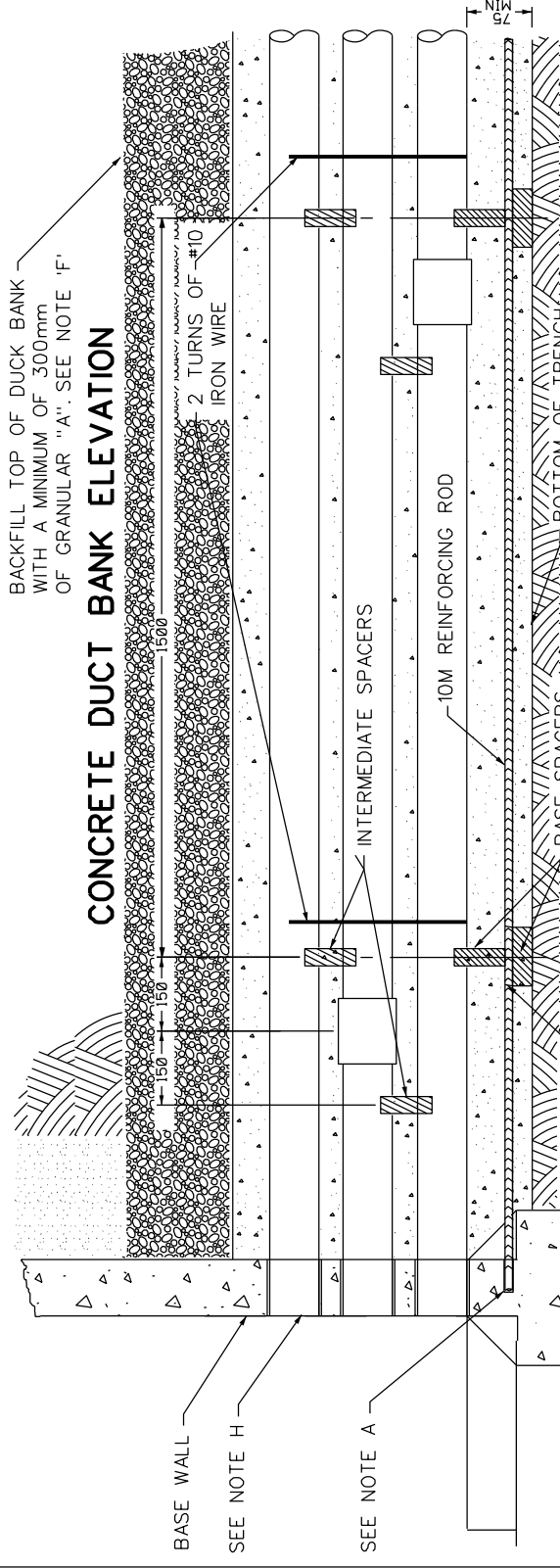
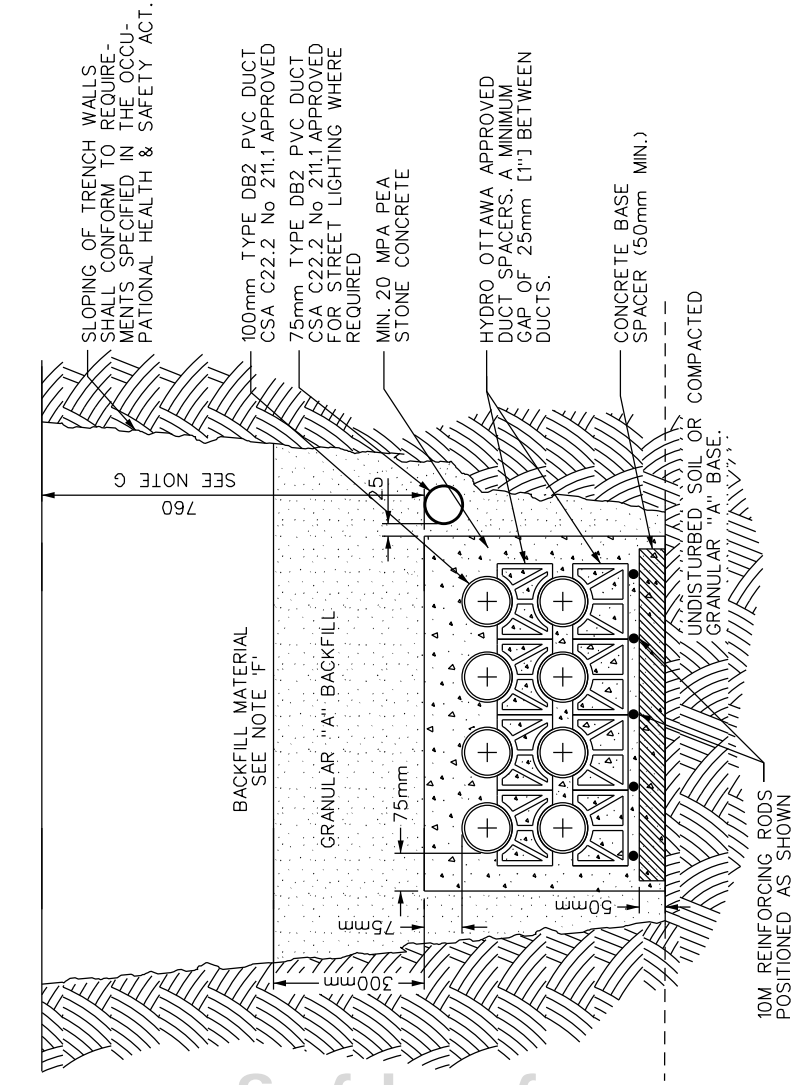


FIG 1. TYPICAL CONCRETE DUCT BANK SECTION VIEW



NOTES

- A. 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.
- B. 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.
- C. FORMS REQUIRED FOR BOTH SIDES OF THE FULL LENGTH OF CONCRETE ENCASED DUCT STRUCTURE.
- D. DUCTS AND TRENCHES MUST BE INSPECTED BY HYDRO OTTAWA BEFORE ANY CONCRETE IS POURED.
- E. CONTRACTOR MUST ENSURE THAT ALL DUCTS ARE CLEANED, RODDED AND THAT A 8mm [3/8"] POLYPROPYLENE ROPE IS LEFT IN EACH DUCT.
- F. ALL BACKFILL MATERIAL MUST BE APPROVED BY HYDRO OTTAWA INSPECTOR; FOR ACCEPTABLE BACKFILL MATERIAL, SEE HYDRO OTTAWA SPECIFICATION DOCUMENT GCS0005 SECTION 6.1.5.
- G. 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 DIVERGENCE FROM THE STANDARD COVER OF 760MM MUST BE APPROVED BY THE HYDRO OTTAWA INSPECTOR.
- H. BELL END TERMINATORS ARE TO BE USED WHEN TERMINATING DUCTS IN STRUCTURES.
- I. ALL MEASUREMENTS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.

REVISIONS		PREP	CHKD	APPD	TITLE	
REV:	DATE:	CP	CP	CSM	ENGINEERING SPECIFICATION	
8	2008-06-20				DUCT CONCRETE	
CHANGE: UPDATED DETAILS C,D,E,F,G						
ADDED DETAILS H, I, J						
9	2010-20-20	FB			CROSS SECTIONS	
CHANGE: TITLE CHANGE						
10	YYYY-MM-DD	MM			CONSTRUCTION DETAIL	
CHANGE: ADDED 75mm MIN TO BOTTOM OF DUCT BANK						
HydroOttawa WWW.HYDRO-OTTAWA.COM		PREP: G. GOFORTH		NO:		7 REV:
		CHKD: C. PROULX				8 OF
		APPD: C. MALONE		P. Eng.		10
		DATE: 2002-02-08		SCALE: N.T.S. & ANSIB		
UJDS0001						