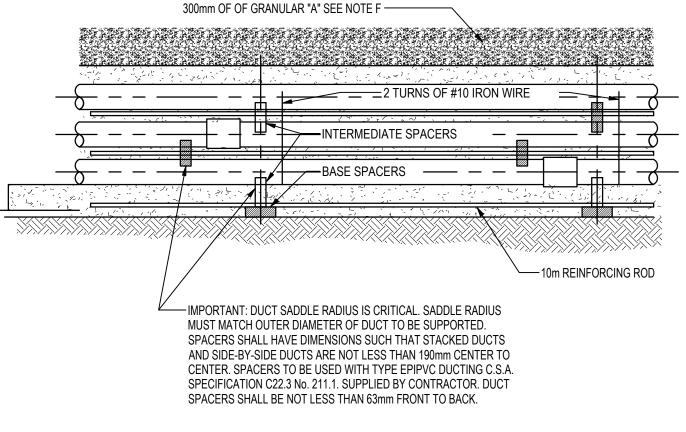


- A. REINFORCING RODS FULL LENGTH OF CONCRETE ENCASED DUCTS. OVERLAP JOINTS BY 400mm ON BASE SPACERS AND WIRE TIE BOTH ENDS. REINFORCING RODS TO BE INSTALLED IN EACH LAYER / LEVEL SPACES.
- B. DUCT SPACERS TO BE PLACED AT A MAXIMUM OF 1500mm AND WITHIN 150mm OF COUPLING. PLASTIC DUCT SPACERS ARE TO BE USED.
- C. FORMS REQUIRED FOR BOTH SIDES OF THE FULL LENGTH OF CONCRETE ENCASED DUCT STRUCTURE.
- D. DUCTS AND TRENCHES MUST BE INSPECTED BY CONSULTANT'S REPRESENTATIVE 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. PROVIDE CLEAN BACKFILL COMPACTED IN 150mm LIFTS TO 95 PROCTOR DENSITY.
- RESTORE LANDSCAPING TO MATCH EXISTING
- G. CONTRACTOR SHALL VIBRATE CONCRETE DURING THE CONCRETE POUR THROUGHOUT THE ENTIRE LENGTH OF THE CONCRETE ENCASED DUCT BANK.

CONCRETE DUCT BANK ELEVATION

BACKFILL TOP OF DUCT BANK WITH A MINIMIUM OF



1 E-303 CONCRETE ENCASED DUCT BANK DETAIL

ORIGINAL SHEET - ISO ARCH D - v17.05

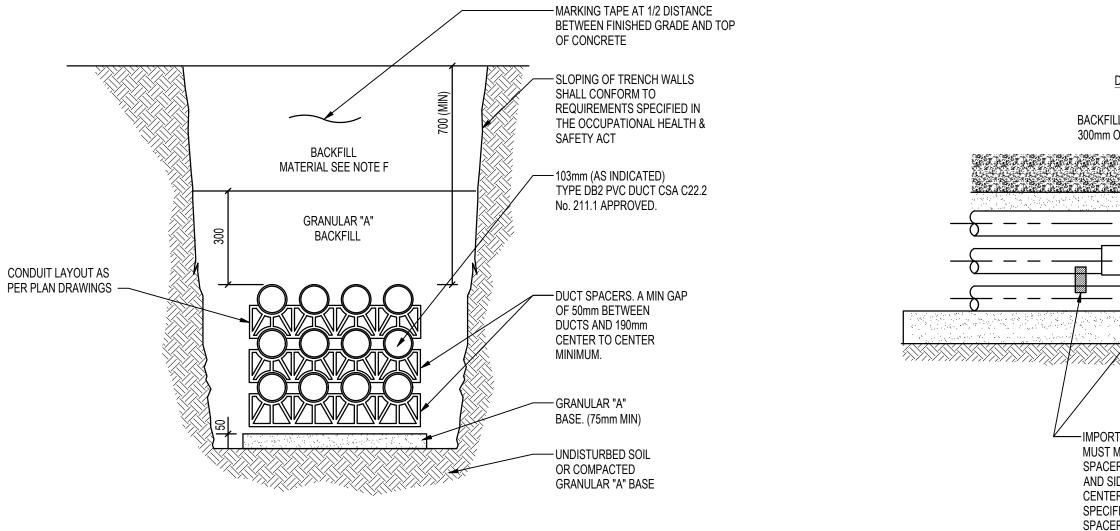
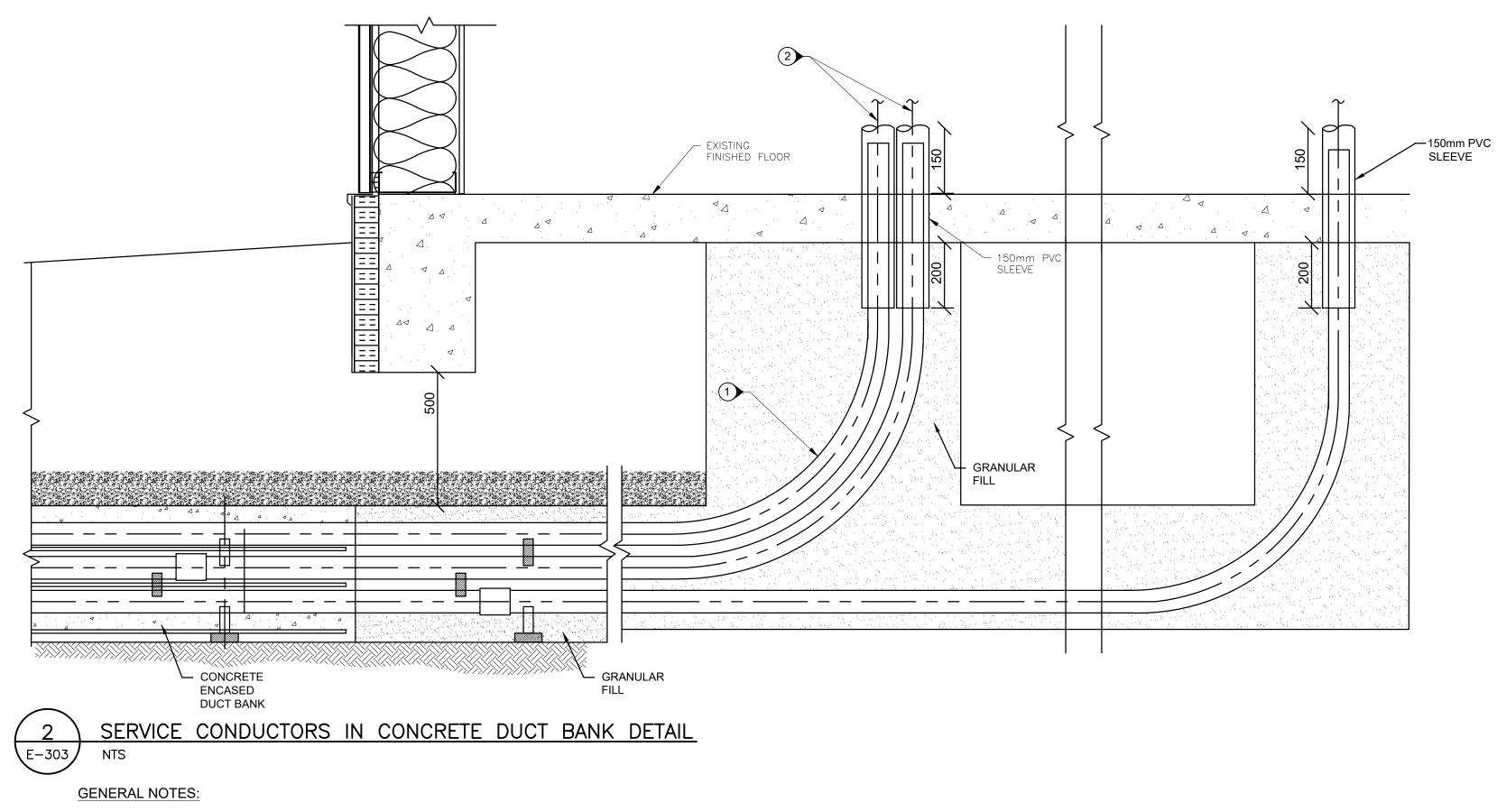


FIG. 1 TYPICAL CONCRETE DUCT BANK SECTION VIEW

- NOTES:
- A. DUCT SPACERS TO BE PLACED AT A MAXIMUM OF 1500mm AND WITHIN 150mm OF COUPLING. PLASTIC DUCT SPACERS ARE TO BE USED.
- B. PROVIDE CLEAN BACKFILL COMPACTED IN 150mm LIFTS TO 95 PROCTOR DENSITY. RESTORE LANDSCAPING TO MATCH EXISTING.
- C. DUCTS AND TRENCHES SHALL BE INSPECTED BY CONSULTANT'S REPRESENTATIVE BEFORE BEING BACKFILLED.





1. SEAL ALL CONDUITS TO PREVENT DEBRIS AND MOISTURE INTRUSION UNTIL CABLE IS INSTALLED.

KEY NOTES:

(1) ENSURE MINIMUM OF 950mm BENDING RADIUS.

(2) PROVIDE PULL STRING IN NEW CONDUIT.

DUCT BANK ELEVATION

## BACKFILL TOP OF DUCT BANK WITH A MINIMIUM OF 300mm OF OF GRANULAR "A" SEE NOTE F

	<u> </u>	
— <u> </u>	2 TURNS OF #10 IRON WIRE	
	INTERMEDIATE SPACERS —	
 /·	BASE SPACERS — – –	;+

IMPORTANT: DUCT SADDLE RADIUS IS CRITICAL. SADDLE RADIUS MUST MATCH OUTER DIAMETER OF DUCT TO BE SUPPORTED. SPACERS SHALL HAVE DIMENSIONS SUCH THAT STACKED DUCTS AND SIDE-BY-SIDE DUCTS ARE NOT LESS THAN 190mm CENTER TO CENTER. SPACERS TO BE USED WITH TYPE EPIPVC DUCTING C.S.A. SPECIFICATION C22.3 No. 211.1. SUPPLIED BY CONTRACTOR. DUCT SPACERS SHALL BE NOT LESS THAN 63mm FRONT TO BACK.



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Client

Legend

Notes

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Client/Project

WINNIPEG TRANSIT DIRECT CURRENT FAST CHARGING BUS STATIONS BRANDON GARAGE

600 Brandon Ave. Winnipeg, Manitoba

## ELECTRICAL DETAILS

Project No. 144523001 Drawing No.

Scale As Indicated Sheet Revision

E-303

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