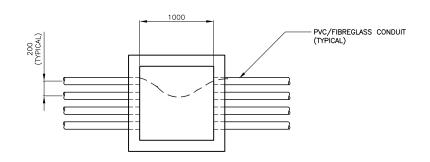
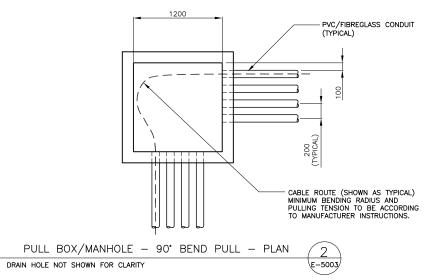
ALL DIMENSIONS SHOWN ARE IN METRES AND/OR MILLIMETRES UNLESS OTHERWISE NOTED.



PULL BOX/MANHOLE - STRAIGHT THROUGH PULL - PLAN DRAIN HOLE NOT SHOWN FOR CLARITY E-5003



NOTES - SQUARE PULL BOX/MANHOLE

- THE CALCULATIONS FOR THE SQUARE RECTANGULAR PULL BOX/MANHOLE ARE INTERNAL DIMENSIONS, WALL THICKNESS MUST BE ADDED.
- 2. WIDTH IS (2) 90 DEGREE BEND PULL 6X THE SIZE OF THE LARGEST CONDUIT PLUS 2X THE SIZE OF EACH ADDITIONAL CONDUIT IN THAT ROW, IF THERE ARE 4-100mm CONDUITS THEN THE SIZE IS 600+3X2X100 = 1200mm. ALSO THE CONDUITS ARE PLACED CLOSER TO THE OPPOSITE END OF THE PULL, TO ALLOW A LONGER RADIUS BEND OF THE CABLE IN THE PULL BOX/HANDWELL. AGAIN, IF THE MANUFACTURER ALLOWS 50mm SPACING BETWEEN THE CONDUITS THEN THE SIZE WILL BE 1200 150 = 1150mm.
- 3. CYLINDRICAL HANDWELLS UP TO 800mm DIAMETER SHALL BE USED FOR ONLY 2-53mm
- 4. PULL BOX/MANHOLE COVER TO BE SECURED WITH BOLTS, GROUNDED IF METALLIC, AND IDENTIFIED AS PER METROLINX NAMING STANDARDS.
- 5. AS PER DRM AND SPECIFICATIONS, MANHOLE COLLAR IDENTIFICATION SHALL BE FOLLOWED.
- 6. PROVIDE SLACK PROVISION FOR ALL CABLES ENTERING A MANHOLE.
- 7. MANHOLES ARE TO BE DESIGNED WITH PROPER DRAINAGE.

- NOTES:

 1. THIS DRAWING IS PROVIDED FOR INSTRUCTIONAL DESIGN PURPOSES ONLY BASED ON METROLINX GO TRANSIT DESIGN GUIDELINES AND REQUIREMENTS. THE CONTRACTED PARTY SHALL VERIFY FOR LOCAL CODE COMPLIANCE, EXISTING SITE CONDITIONS AND INTER DISCIPLINARY DRAWING COORDINATION. ALL DIMENSIONS AND SPECIFICATIONS SHOULD BE VERIFIED BY CONTRACTED PARTY AND/OR CONTRACTOR BEFORE CONSTRUCTION BEGINS.
- THE CONNECTION OF HANDWELLS/PULL BOXES TO DRAINAGE SYSTEM TO BE COORDINATED IN FIELD. PROVIDE 300mm OF CLEAR STONE BEDDING BELOW HANDWELLS/PULLBOXES.
- 3. REFER TO OPSD 2112.040 REGARDING ELECTRICAL HANDHOLE PRECAST CONCRETE.
- 4. REFER TO OPSD 2117.020 REGARDING ELECTRICAL HANDHOLES GENERAL INSTALLATION REQUIREMENTS.
- REFER TO OPSD 2123.030 REGARDING ENTRY OF DIRECT BURIED AND ENCASED DUCTS.
- 6. REFER TO OPSD 401.010 REGARDING MAINTENANCE HOLES.

METROLINX PROJECT NO.

REFERENCE DRAWINGS	ISSUE		REVISIONS	DRAWN BY: X.X.X. YY/MM/DD	DESIGNED BY:				TAT2 VVVVVV	ION	
					YY/MM/DD				AAAAAA SIAI	ION	
				CHECKED BY:	APPROVED BY:						
				X.X.X.	X.X.X.				SAMPLE PULL BOX/MANHOLE -	SIZING	
											
	24 (27 (28 141711 128117			SCALE: 1:XXX	FULL SIZE UNLY				DWG NO	REV	SHEET
										1	
-	0	0 21/03/09 INITIAL ISSUE	0 21/03/09 INITIAL ISSUE	0 21/03/09 INITIAL ISSUE	X.X.X. YY/MM/DD CHECKED BY: X.X.X. YY/MM/DD SCALE: 1:XXX 0 21/03/09 INITIAL ISSUE	X.X.X Y/MM/DD YY/MM/DD YY/MM/DD YY/MM/DD YY/MM/DD YX.X.X YY/MM/DD YX.X.X YY/MM/DD YY/MM/DD YY/MM/DD YY/MM/DD YY/MM/DD SCALE: 1:XXX FULL SIZE ONLY SIZE ONLY YX.X.X YY/MM/DD YY/MM/DD	X.X.X	X X X	X.X.	XXX YY/MM/DD YY/MW/DD YY/MM/DD YY/MW/DD YY/MW/DD YY/MW/DD YY/MW/DD YY/MW/DD YY/MW/DD YY/MW/DD	XXXX YY/MM/DD YY/MM/DD YY/MM/DD CHCKED BY: XXXX YY/MM/DD YY/MM/DD YY/MM/DD YY/MM/DD YY/MM/DD YY/MM/DD YY/MM/DD YY/MM/DD SAMPLE PULL BOX/MANHOLE - SIZING DWG, NO. O 21/03/09 INITIAL ISSUE DWG, NO. REV. REV.