



0 200 400 600 800 1000 mm
SCALE 1:20

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE STATED.
2. ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE CURRENT Q.C.S. UNLESS OTHERWISE AGREED WITH THE ENGINEER.
3. MANHOLE COVER FRAME SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
4. SAFETY CHAIN TO BE STAINLESS STEEL 316 AND FIXED TO BENCHING ON ALL OUTGOING SEWERS OF 600 DIA OR GREATER.
5. STAINLESS STEEL SAFETY CHAIN STOWING HOOK TO BE PROVIDED ON ONE SIDE OF STAINLESS STEEL GRAB CHAIN. CHAIN TO BE STORED ON ONE SIDE DURING REGULAR OPERATIONS TO PREVENT COLLECTION OF DEBRIS. CHAIN TO BE INSTALLED ACROSS PIPE OPENING DURING MAINTENANCE OPERATION.
6. LOCATION AND SPACING OF SPECIAL ACCESS OPENINGS AS PER PWA Q&M REQUIREMENTS.
7. MANHOLES IN CARRIEWAY TO BE BACKFILLED TO THE UNDERSIDE OF THE SUB BASE, FROM THE EXCAVATED SURFACE WITH SMPA FLOWABLE FILL. AT TRENCH OPENINGS, ROUGH SHUTTERING SHALL BE PROVIDED TO GIVE A MINIMUM THICKNESS OF 300 AROUND THE MANHOLE. WHERE FLOWABLE FILL IS USED FOR BACKFILL, TANKING MEMBRANE TO WALLS IS REQUIRED ONLY TO 300 ABOVE THE HIGHEST PIPE CROWN LEVEL. POLYTHENE SHEETING SHALL BE USED TO PREVENT THE FLOWABLE FILL ENTERING THE GRANULAR BED AND SURROUND. TANKING MEMBRANE IS NOT REQUIRED FOR PREC MANHOLES.
8. STEEL BEAM AND BEAM BOX TO BE HOT DIPPED AND GALVANIZED AND COATED T+PI AS TABLE 1, Q.C.S. SECTION 8 PART 8.

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Drawing Title: _____

Approved:	Sheet No:	1 OF 1
Date:	OCT 2019	Scale:
AS SHOWN		
Drawing Number:		Revision:
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