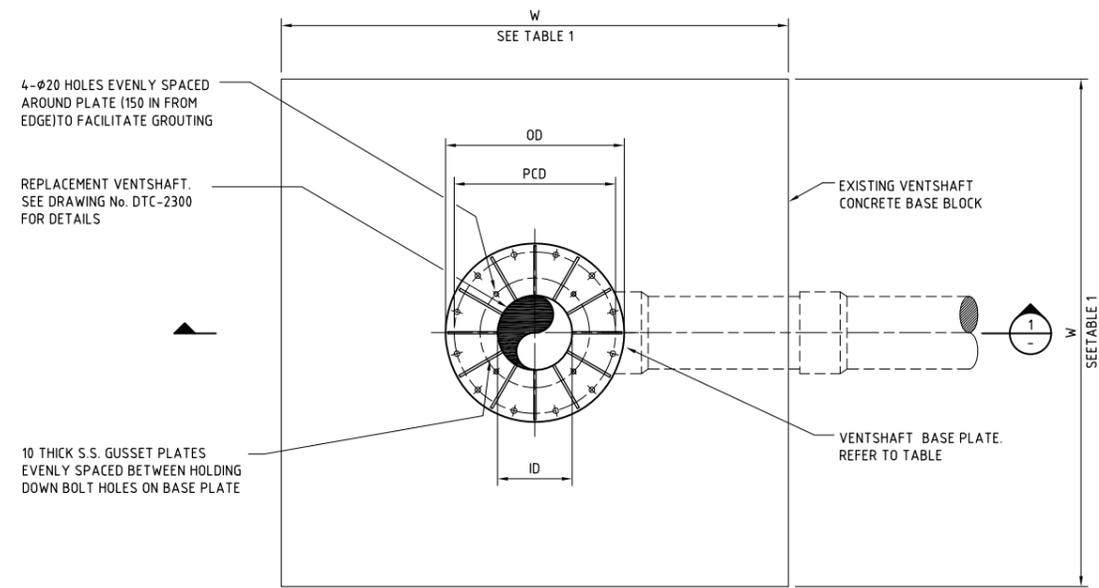
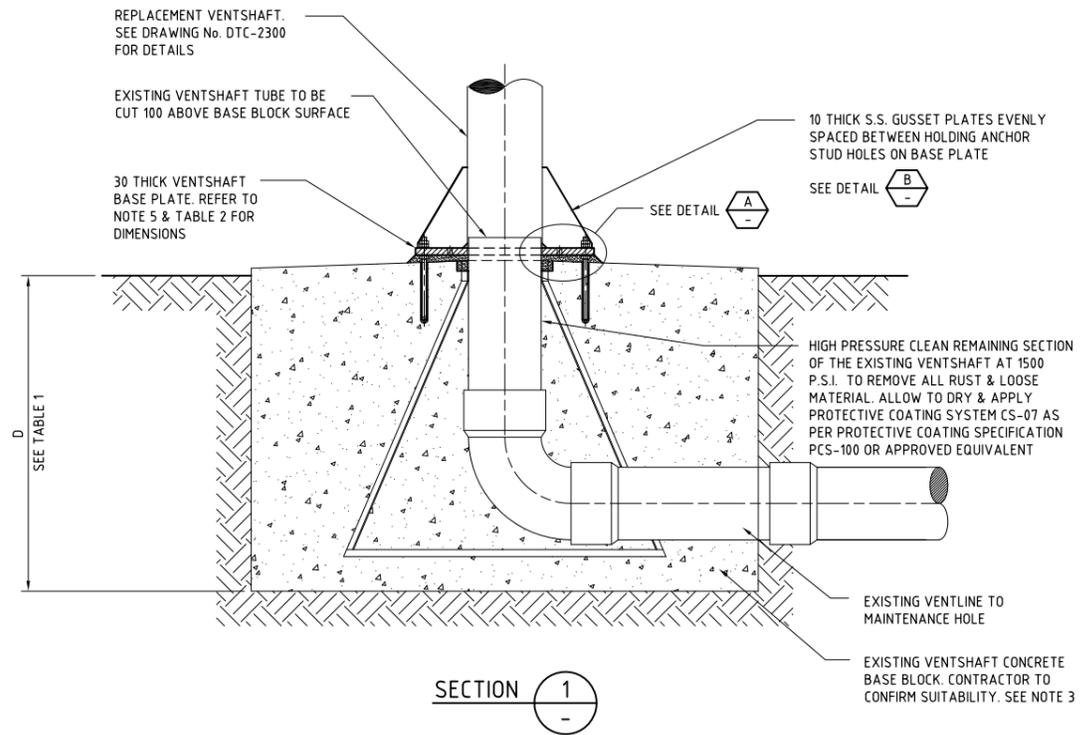


A1

THIS DRAWING MAY ONLY BE USED IN THE COURSE OF AND FOR THE PURPOSE OF CREATING SYDNEY WATER ASSETS. USE THIS DRAWING WITH CARE. THE USER IS RESPONSIBLE FOR THE CORRECT APPLICATION OF THIS DRAWING.



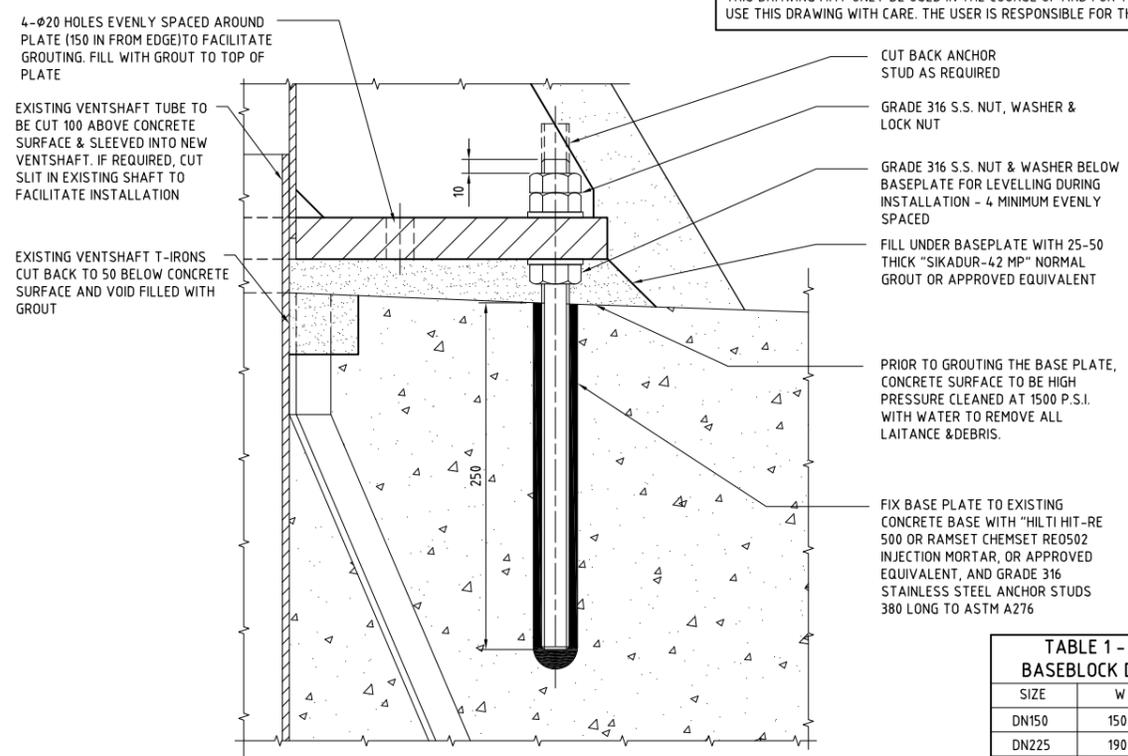
PLAN



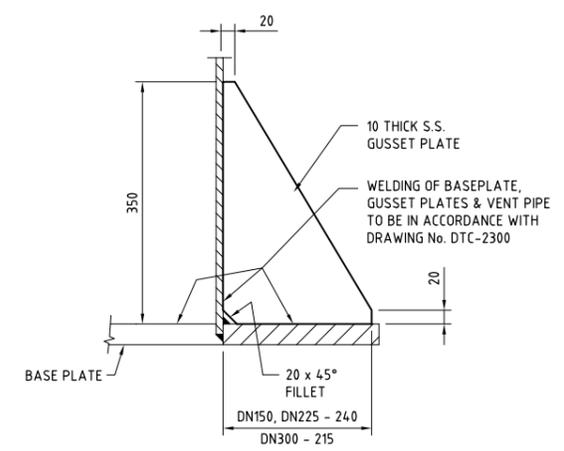
SECTION 1

ARRANGMENT FOR FITTING NEW VENTSHAFT TO EXISTING CONCRETE BASE BLOCK

SCALE - 1:15



DETAIL A
SCALE - 1:2.5



DETAIL B
SCALE - N.T.S.

TABLE 1 - MINIMUM BASEBLOCK DIMENSIONS

SIZE	W	D
DN150	1500	1200
DN225	1900	1200
DN300	2200	1400

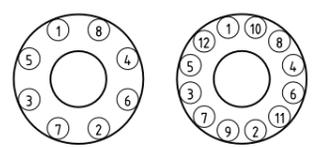
NOTES

- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.
- A SITE SPECIFIC RISK ASSESSMENT SHALL BE UNDERTAKEN TO DETERMINE IF ADDITIONAL CONTROL MEASURES (SUCH AS EARTHING, BONDING, INSULATION ETC) ARE REQUIRED FOR ELECTRICAL HAZARDS ASSOCIATED WITH LIGHTNING STRIKE OF THE VENT SHAFT.
- PRIOR TO INSTALLING REPLACEMENT VENTSHAFT, THE CONTRACTOR SHALL UNDERTAKE A CONDITION ASSESSMENT OF THE EXISTING CONCRETE BASE TO CONFIRM THE FOLLOWING:
 - THE CONCRETE BASE SHALL BE FREE OF ANY DEFECTS OR SIGNS OF DISTRESS SUCH AS CRACKING OF MORE THAN 100MM IN LENGTH, OR SPALLING, SCALING, SOFTENING, DRUMMINESS, ETC. OF MORE THAN 25MM DEEP.
 - THERE IS NO EXPOSED REINFORCEMENT.
 - SETTLEMENT OR TILTING OF EXISTING BASE DOES NOT EXCEED THE LEAST DIMENSION OF THE BASE DIVIDED BY 100.
 - DIMENSIONS OF THE BASE COMPLIES WITH TABLE 1.
- THE CONTRACTOR SHALL PROVIDE WRITTEN CONFIRMATION TO THE PRINCIPAL PRIOR TO ANY REPLACEMENT WORKS CONFIRMING SUITABILITY IN TERMS OF CONDITION AND DIMENSIONS, OR OTHERWISE, OF THE EXISTING CONCRETE BASE. THE CONTRACTOR IS RESPONSIBLE FOR THE ASSESSMENT.
- ANCHORS SHALL BE ALLOWED TO CURE FOR A MINIMUM OF 48 HOURS PRIOR TO ATTACHING THE VENTSHAFT.
- STAINLESS STEEL BASE PLATE AND GUSSET PLATES SHALL BE GRADE 316L TO ASTM A240M. BEAD BLASTING FOR MATT-FINISH SHALL BE AS PER DTC/2300.
- ALL WELDING OF STAINLESS STEEL SHALL BE IN ACCORDANCE WITH AS/NZS 1554.6.
- ALL PROPRIETARY ITEMS SHALL BE INSTALLED STRICTLY IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATION.
- HOLD DOWN NUTS SHALL BE TIGHTENED USING A TORQUE WRENCH IN THE TIGHTENING SEQUENCE BELOW. SEQUENCE SHALL COMPLETED FIRST FOR 50% AND REPEATED FOR 100% OF FINAL TIGHTENING TORQUE. FINAL TIGHTENING TORQUE SHALL BE 55N.m FOR M16 AND 100N.m FOR M20.

TABLE 2 - BASEPLATE DIMENSIONS

VENTSHAFT DIAMETER	BASEPLATE ID	BASEPLATE OD	PITCH CIRCLE DIAMETER (PCD)	NUMBER OF ANCHOR STUDS	DIAMETER OF BOLT HOLES**	ANCHOR STUD SIZE
DN150	168	675	600	8	20	M16
DN225	273	775	700	12	24	M20
DN300	324					

** BOLT HOLE DIAMETER IS FOR THE CONCRETE & THE BASEPLATE



8 & 12 BOLT TIGHTENING SEQUENCE

THIS DRAWING TO BE READ IN CONJUNCTION WITH DRAWING No. DTC/2300 (SHEETS 1 & 2)



APPROVED
PETER GILLMAN
MANAGER - E & ES

LETTER	DETAILS OF ISSUE / AMENDMENT	APP'D	DATE
C	APPLICABLE HEIGHT RANGE AMENDED	RL	16/04/13
B	DRAWING NO. CHANGED. GENERAL REVISION	RL	01/03/13
A	ORIGINAL ISSUE	PJG	21/12/12

DEEMED TO COMPLY DRAWINGS
VENTILATION SHAFT REPLACEMENT
STAINLESS STEEL 9-18m HEIGHT
DN150 - DN300

DTC
2302

ISSUE	DATE
C	16.04.13