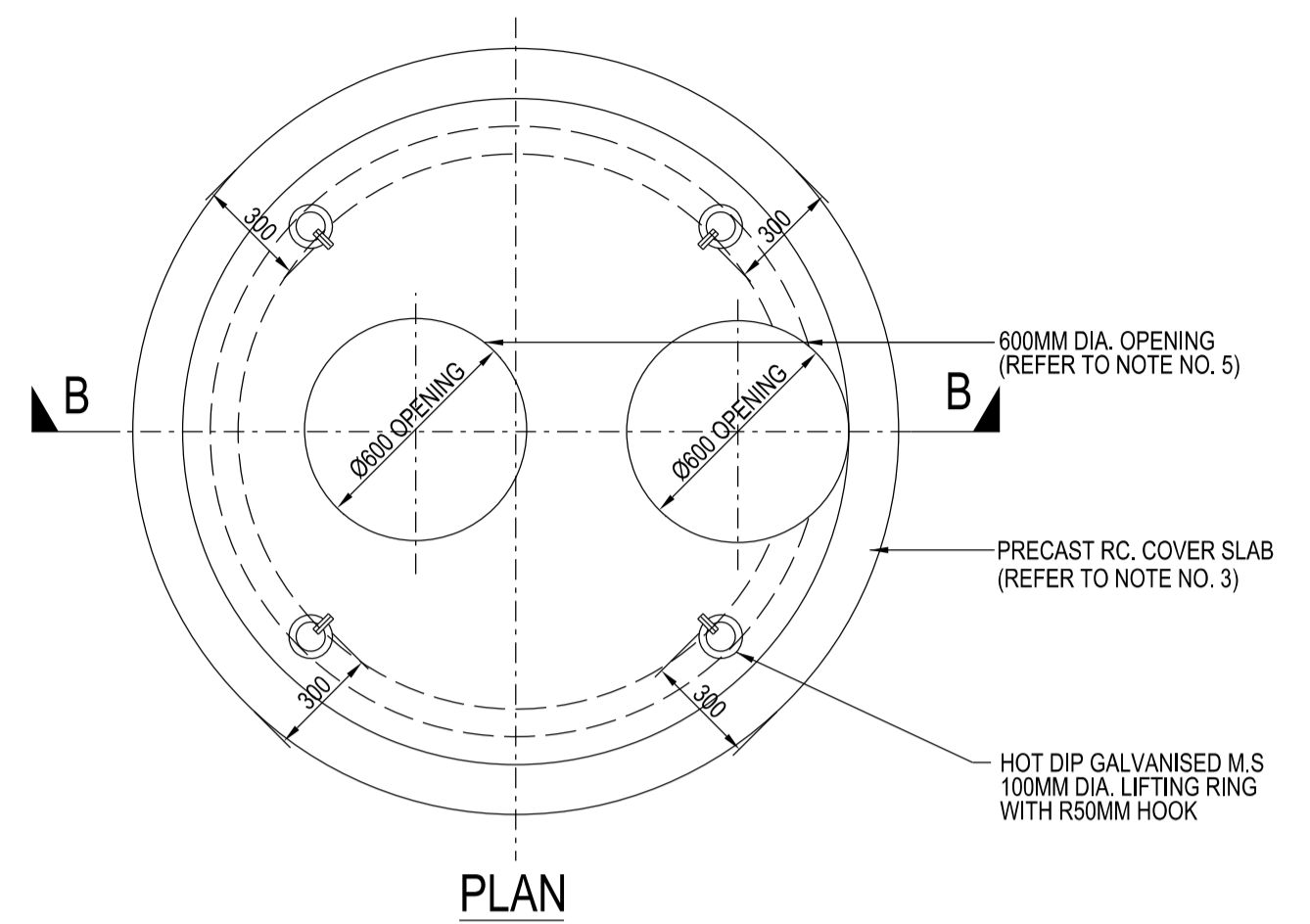
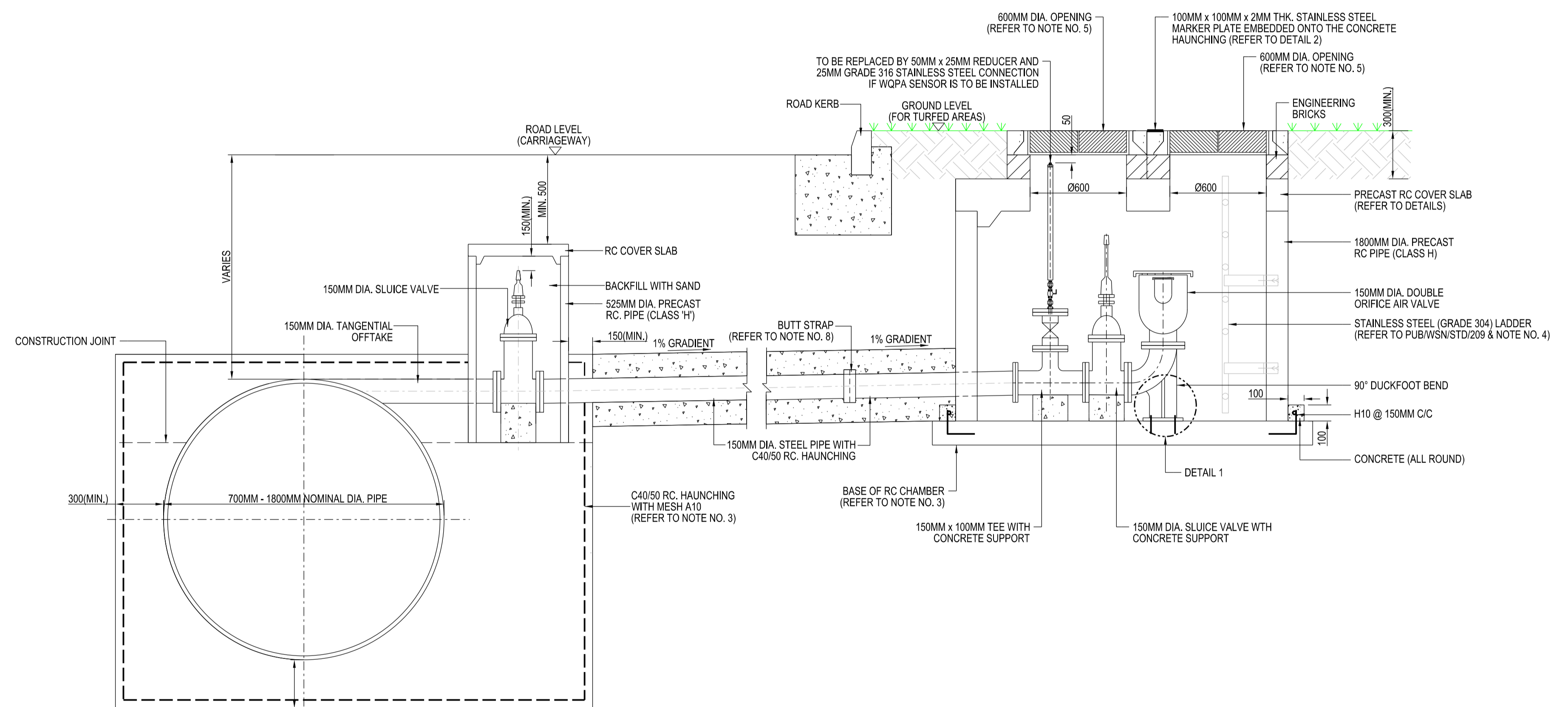


**PLAN
OFF-ROAD AIR VALVE CHAMBER
(FOR 700MM TO 1800MM DIA. PIPELINE)**
SCALE 1:20

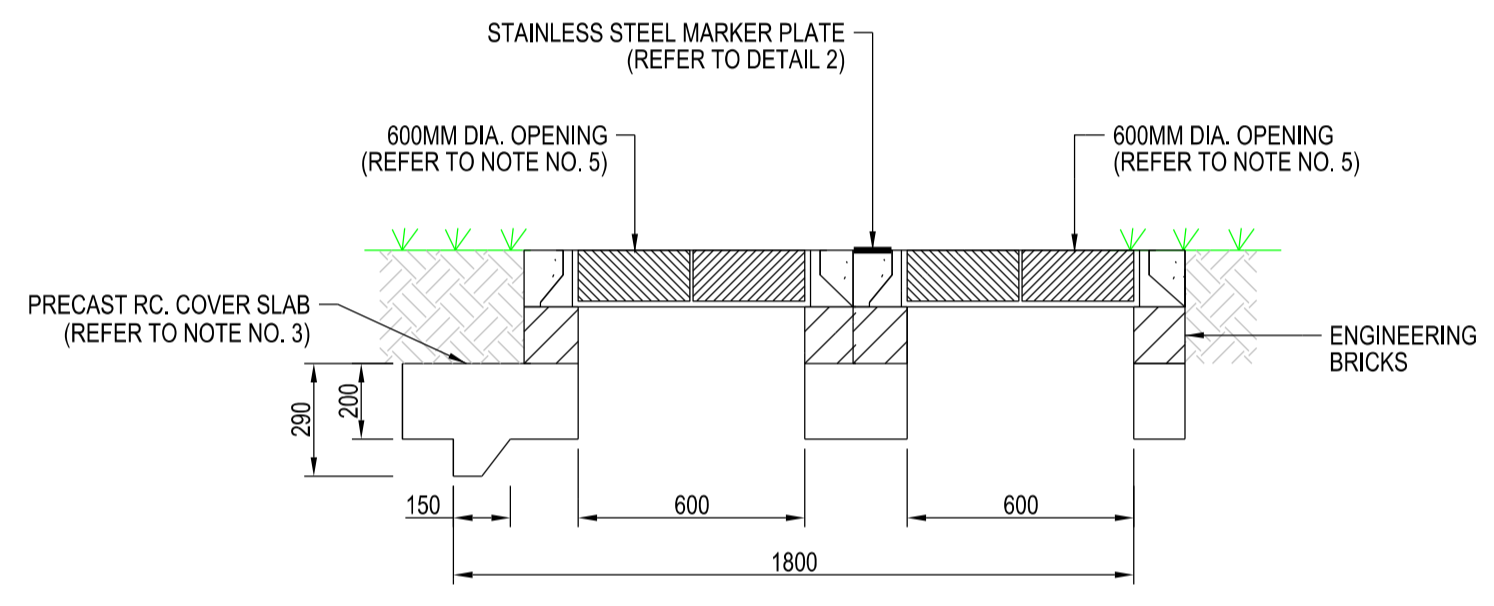


PLAN

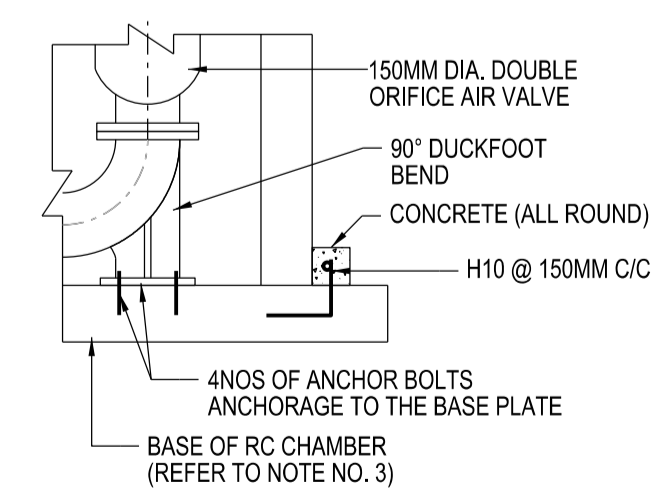
- NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
 2. THE CONTRACTOR IS TO MAKE REFERENCE TO THE GENERAL NOTES IN DRAWING NO. PUB/WSN/001.
 3. ALL CHAMBERS INCLUDING RC. HAUNCHING AND CLADDING SHALL BE DESIGNED AND ENDORSED BY A PROFESSIONAL ENGINEER (P.E.).
 4. SAFETY CAGES SHALL BE INSTALLED FOR ALL STAINLESS STEEL LADDERS (GRADE 304) EXCEEDING 3M HEIGHT.
 5. ALL MANHOLE COVERS AND FRAME SHALL BE OF HEAVY DUTY DUCTILE IRON TO GRADE A1 UNDER SS30. STANDARD HEAVY DUTY DUCTILE IRON (GRADE A1) DOUBLE TRIANGULAR MANHOLE COVER AND FRAME (REFER TO PUB/WSN/STD/204) SHALL BE USED FOR 600MM DIA. OPENING.
 6. STAINLESS STEEL PLATES AND BOLTS SHALL BE OF GRADE 316.
 7. THE MARKINGS ON THE DETECTION PLATE TO BE EMBOSSED AND PAINTED IN BLACK.
 8. BUTT STRAP SHALL BE USED IF THE PIPE LENGTH EXCEEDS THE STANDARD. FLANGED JOINTS, COLLARS AND MECHANICAL COUPLINGS ARE NOT PERMITTED.
 9. THE CONSULTANT'S P.E. SHALL UNDERTAKE THE DETAILED DESIGN OF THE CHAMBER AND SUBMIT TOGETHER WITH THE ACCREDITED CHECKER APPOINTED BY THE BOARD) TO SUPERINTENDING OFFICER (S.O) AND BCA FOR APPROVAL.
 10. FOR DETAILS OF SENSOR ASSEMBLY, PLEASE REFER TO DRAWINGS NO. PUB/WSN/STD/108.
 11. ASSEMBLY FOR LEAK DETECTION SENSORS ARE TO BE INSTALLED AT NOT MORE THAN 750M C/C ALONG THE PIPELINE. THE LEAK DETECTION SENSORS WILL BE INSTALLED UNDER SEPARATE CONTRACT.



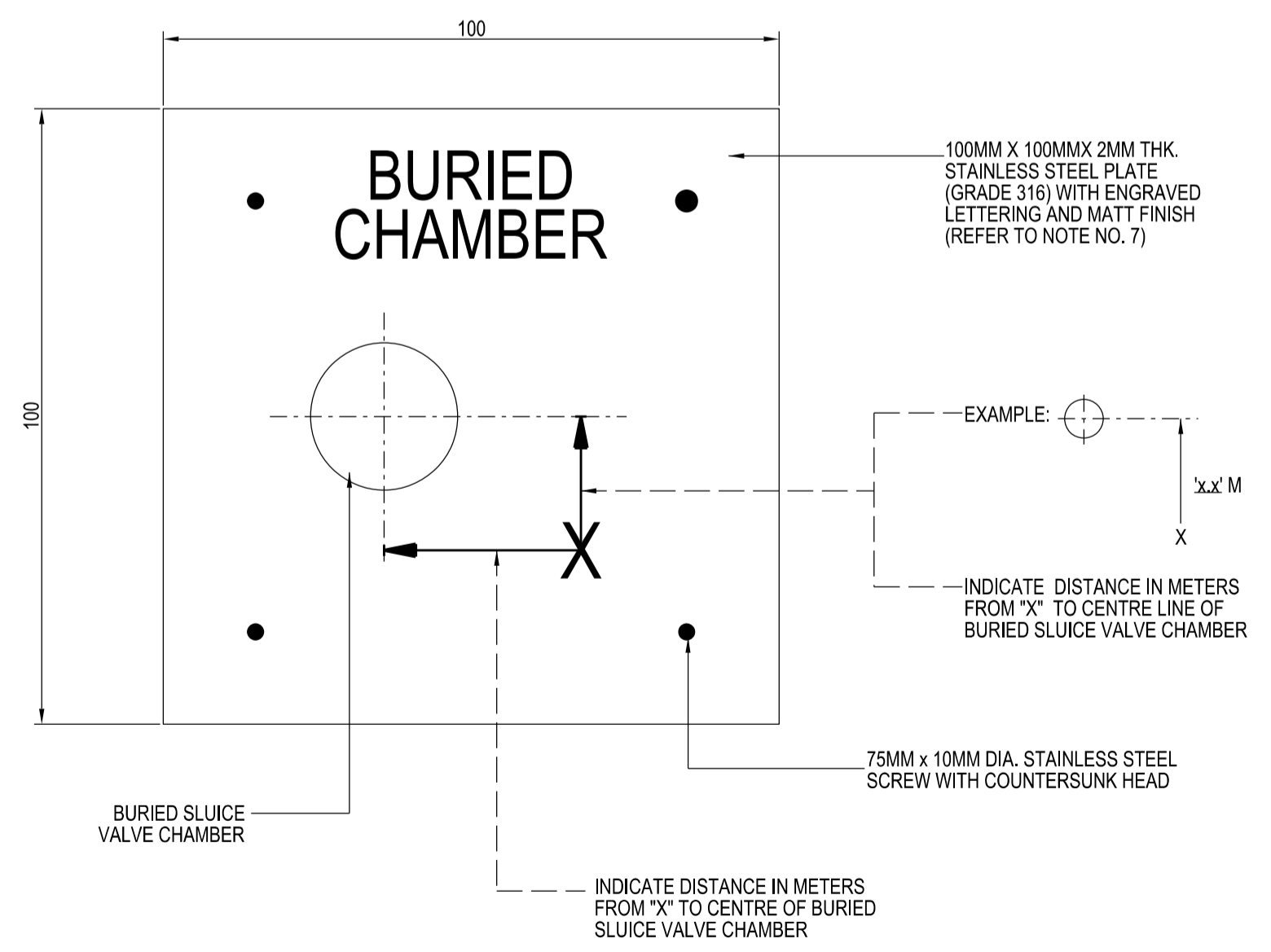
**SECTION A - A
OFF-ROAD AIR VALVE CHAMBER
(FOR 700MM TO 1800MM DIA. PIPELINE)**
SCALE 1:20



**SECTION B - B
DETAILS OF PRECAST RC. COVER SLAB**
SCALE 1:20



**DETAIL 1
SCALE 1:20**



**DETAIL 2
STAINLESS STEEL MARKER PLATE**
SCALE 1:1

ISSUED: NOV 2020

SCALE
AS SHOWN

DRAWING NO.
PUB/WSN/STD/107

TYPICAL OFF-ROAD AIR VALVE CHAMBER FOR 700MM TO 1800MM DIA. PIPELINES

LAST REVIEWED: AUG 2021