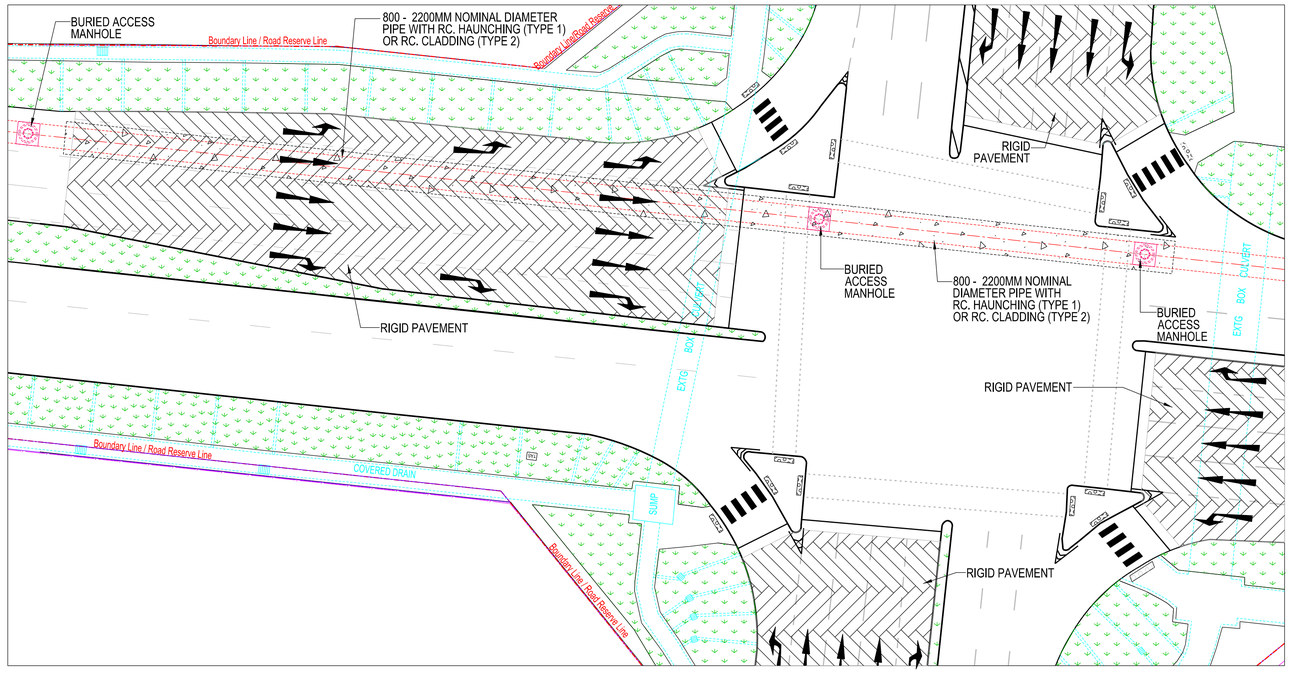
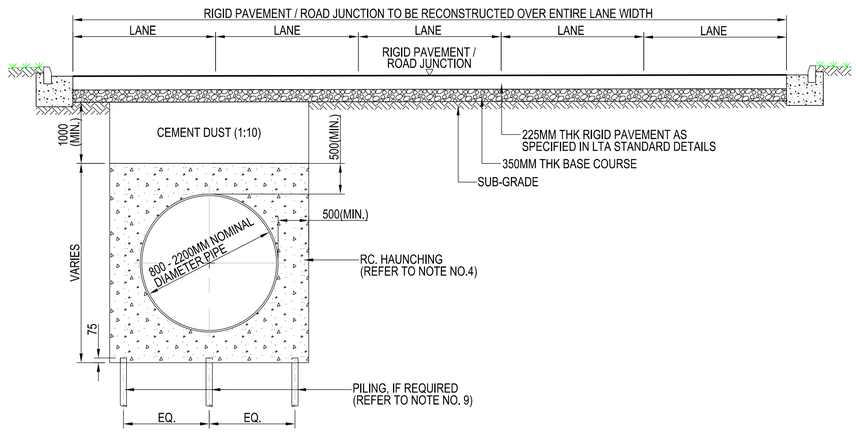
NOTES:

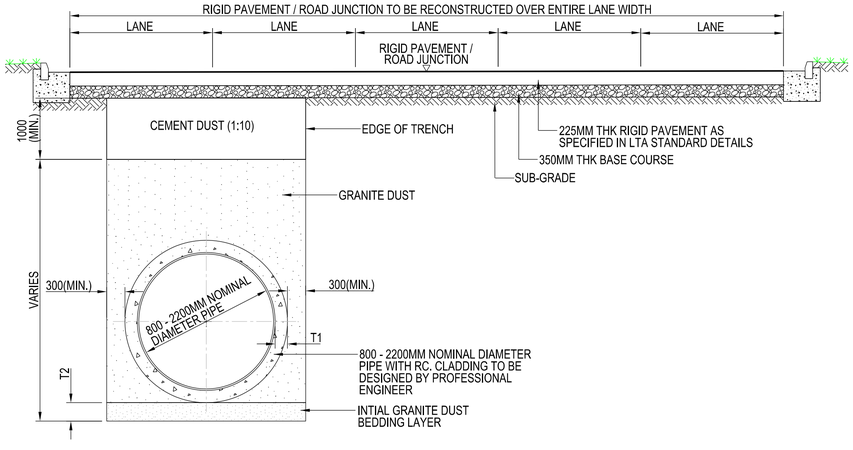
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
2. THE CONTRACTOR IS TO MAKE REFERENCE TO THE GENERAL NOTES IN DRAWING NO. PUB/WSN/GN/001.
3. ACCESS MANHOLES UNDER THE CARRIAGEWAY SHALL BE BURIED AND APPLICABLE FOR Ø 800MM TO Ø2200MM PIPELINES.
4. RC. CLADDING AND HAUNCHING SHALL BE C35/45 CONCRETE GRADE LAID BY OPEN-CUT METHOD FOR PIPES TO BE DESIGNED AND ENDORSED BY A PROFESSIONAL ENGINEER (P.E).
5. RC CLADDING CONCRETE NOMINAL COVER TO STEEL REINFORCEMENT SHALL BE 50MM.
6. PIPE Ø ≤ 1200MM, T1 = 150mm (MIN.) , T2 = 150MM (MIN.)
   PIPE Ø > 1200MM, T1 = 180mm (MIN.) , T2 = 300MM (MIN.)
7. FOR RC CLADDING DETAILS, IN ACCORDANCE TO STANDARD DRAWING PUB/WSN/STD/202.
8. PIPES SHALL BE LAID OUTSIDE THE RIGID PAVEMENT, WHEREVER FEASIBLE. THIS DRAWING ILLUSTRATES THE REQUIREMENTS FOR LAYING THE PIPE BELOWTHE RIGID PAVEMENT, IF THERE ARE NO OTHER FEASIBLE OPTIONS.
9. THE CONTRACTOR SHALL UNDERTAKE PLATE LOAD TEST TO VERIFY THE IN-SITU SOIL BEARING CAPACITY IN ACCORDANCE WITH BS EN ISO 22476-13. WHERE THE BEARING CAPACITY IS DEEMED INADEQUATE AND/OR SETTLEMENT IS EXCESSIVE, THE PIPE SHALL BE SUPPORTED ON PILES.



PLAN OF PIPE LAID UNDER RIGID PAVEMENT AND ROAD JUNCTION
(CONSTRUCTED BY OPEN CUT METHOD)
SCALE 1:300



TYPICAL SECTION
RC. HAUNCHING DETAIL FOR PIPE (TYPE 1)
UNDER RIGID PAVEMENT / AT ROAD JUNCTION
SCALE 1:50



TYPICAL SECTION
RC. CLADDING DETAIL FOR PIPE (TYPE 2)
UNDER RIGID PAVEMENT / AT ROAD JUNCTION
SCALE 1:50

ISSUED : NOV 2020	SCALE	**DETAILS OF TRENCH EXCAVATION AND REINSTATEMENT FOR PIPES (CONSTRUCTED BY OPEN-CUT METHOD) - UNDER RIGID PAVEMENT - AT ROAD JUNCTION**
LAST REVIEWED : NOV 2020	AS SHOWN	PUB SINGAPORE'S NATIONAL WATER AGENCY WATER SUPPLY(NETWORK) DEPARTMENT DRAWING NO. PUB/WSN/STD/203