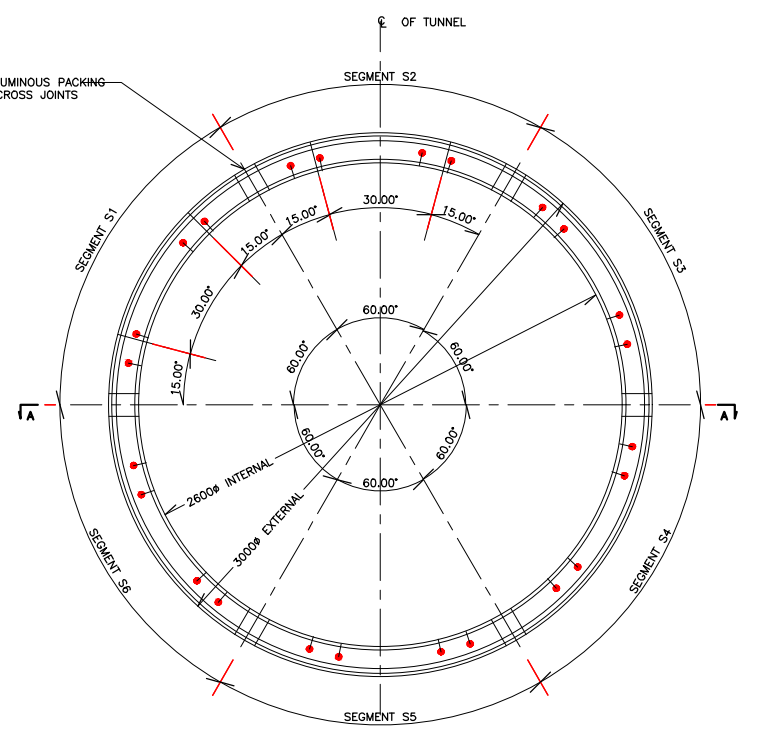
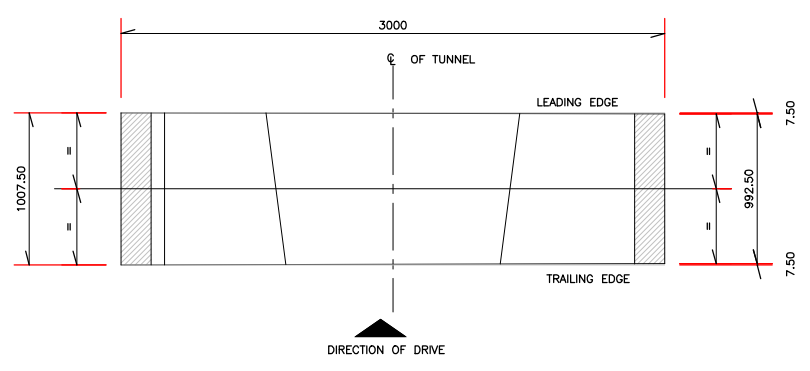


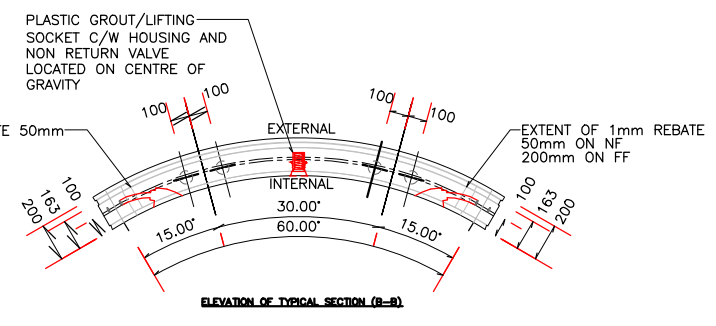
- NOTES:
1. ALL DIMENSIONS SHALL BE READ AND NOT MEASURED.
 2. ALL BOLTS, NUTS AND WASHERS TO BE GALVANIZED TO BS729 OR SHERADISED IN ACCORDANCE WITH CLASS S1 BS737 PT 8, OR SIMILAR APPROVED.
 3. CONCRETE COVER FOR REINFORCEMENT TO BE 40MM.
 4. MINIMUM LAP LENGTH TO BE 35X DIAMETER OF THE SMALLER BAR.
 5. MAXIMUM TBM THRUST FORCE APPLIED ON THE SEGMENTS SHALL NOT EXCEED 22,500 KN (DESIGN ASSUMPTION).
 6. STEEL BARS REINFORCED SEGMENT. YIELD STRENGTH TO BE 500N/MM²
 7. CONCRETE TO BE A MINIMUM GRADE M50.
 8. CASTING TOLERANCES : WIDTH 1000MM (NOMINAL) ± 1 THICKNESS 200MM +3MM, -1.5MM FRONT FACE = FORMED FACE ± 1.0MM
 9. FINISHES : BACK FACE = SMOOTH FLOAT ± 1.5 M
 10. EACH RINGS CONSISTS OF :- 6 NO. TRAPEZOIDAL SEGMENTS.
 11. SEGMENTS TO BE LIFTED FLAT USING LIFTING SLINGS AT QUARTER POINTS.
 12. SEGMENTS ON SITE TO BE STOCKED NO MORE THAN 6 HIGH, SPACED WITH TIMBER BEARERS ON LEVEL HARD STANDING



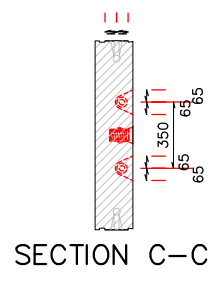
TYPICAL RING ELEVATION



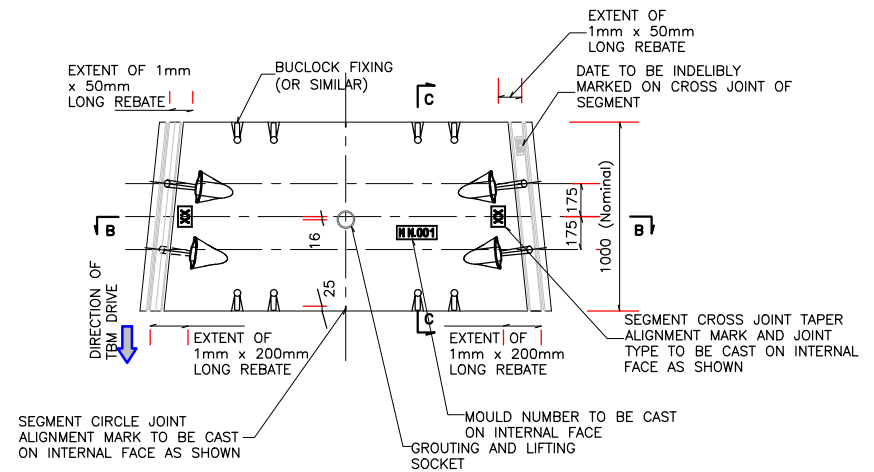
PLAN A-A ON EXTERNAL
SCALE 1:25



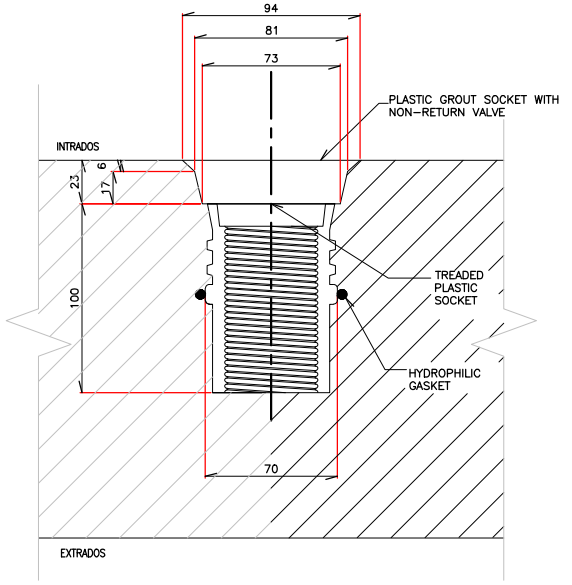
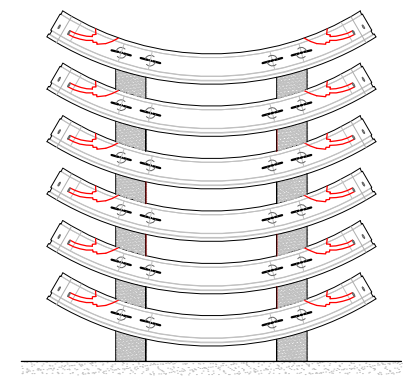
ELEVATION OF TYPICAL SECTION (B-B)



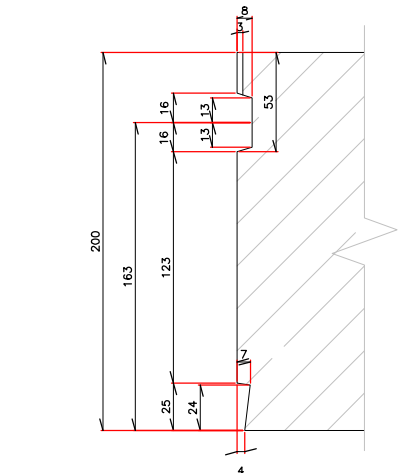
SECTION C-C



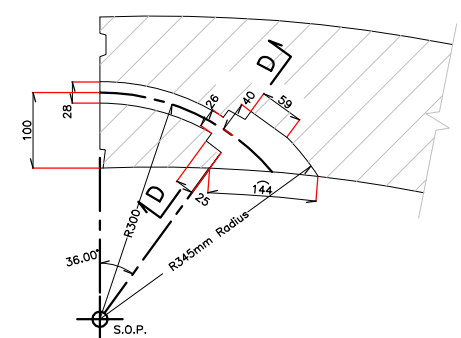
PLAN ON INTERNAL
SCALE 1:20



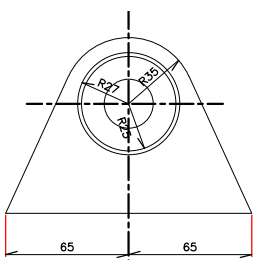
PLASTIC GROUT/LIFTING SOCKET DETAIL
SCALE 1:2



CAULKING/GASKET GROOVE DETAIL
SCALE 1:2



CROSS JOINT DETAIL
SCALE 1:5



SECTION D-D
SCALE 1:2

FIXING SCHEDULE / RING		
ITEM	NO	DESCRIPTION / REFERENCE
CURVED BOLTS	12	M20 x 375 long bent to 300mm RAD.70MM THREADED LENGTH, BOLTS & M16 NUTS TO B.S. 4190:1967.
STEEL	24	M20 STANDARD WASHERS TO
WASHERS GROMMENTS	24	B.S.4320:1968 M16 GEL GROMMENTS
BUCLOCK COUPLER	24	NYLON 6 BUCLOCK RECESS COUPLER (OR SIMILAR)

TENDER PURPOSE ONLY
SCALE AS SHOWN

"P" (PRELIMINARY) ISSUES ARE NOT TO BE USED FOR CONSTRUCTION / FABRICATION BUT ARE ISSUED FOR LIMITED PURPOSES ONLY AS INDICATED IN THE SMALL BLOCK ABOVE THIS BLOCK.

CONSTRUCTION / FABRICATION WORK IS PERMITTED ON "R" (RELEASED) ISSUES ONLY.

INFORMATION CONTAINED WITHIN "HOLD" IS NOT RELEASED FOR CONSTRUCTION / FABRICATION. FIELD MUST GET DESIGN OFFICE TO CLEAR "HOLDS" IN TIME BEFORE PROCEEDING WITH ANY CONSTRUCTION / FABRICATION WORK RELATED TO "HOLDS".

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FILE NAME : TCE-10255A-CV-3057-GA-31050

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MUNICIPAL CORPORATION OF GREATER MUMBAI
 MUMBAI SEWAGE DISPOSAL PROJECT STAGE-II PRIORITY WORKS

PRIORITY SEWER TUNEL - PHASE 2 (PST II)
 (MSDPSTAGEII-PRIORITY WORKS)
 2600mm ID SEGMENTAL LINING - TYPICAL DETAILS

TATA CONSULTING ENGINEERS LIMITED
 MUMBAI

SCALE : AS SHOWN DWG NO. TCE-10255A-CV-3057-GA-31050 ISSUE PO
 DC & DISC: CV-MUM