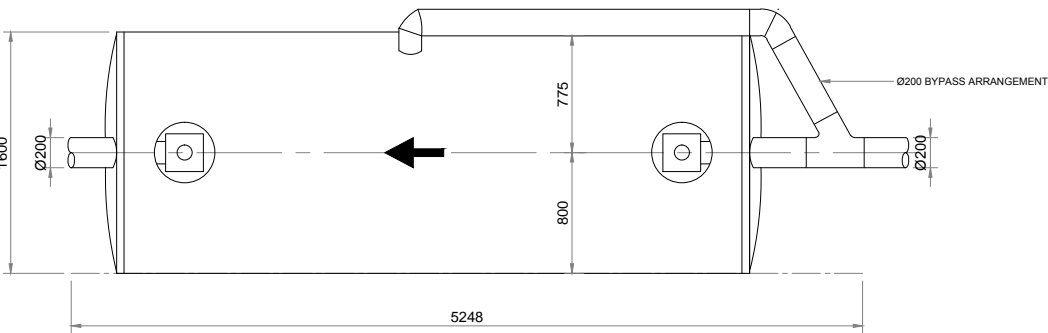
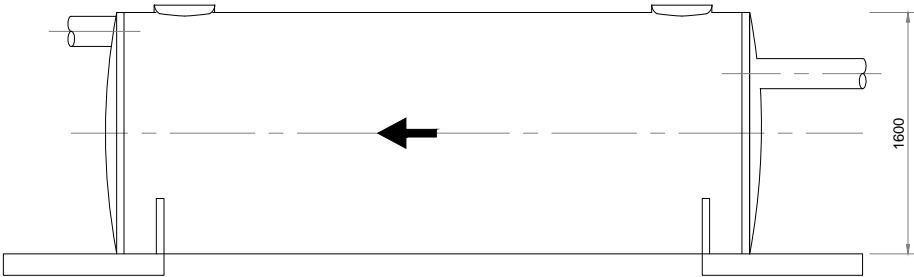
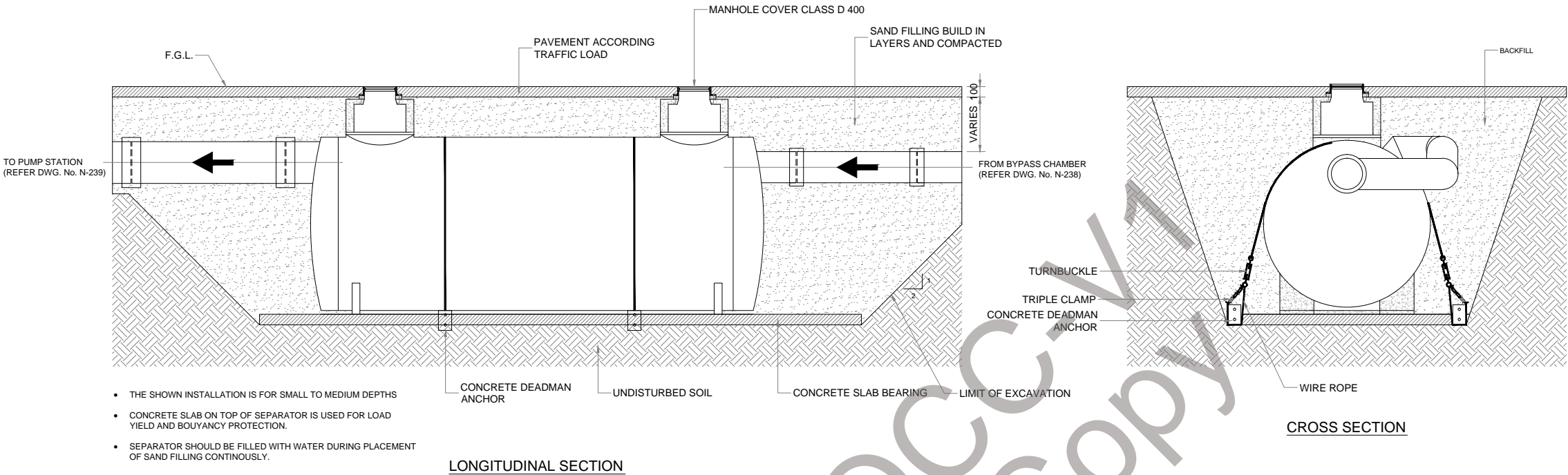


SAMPLE FOR FLOW = 35L/sec.



OIL WATER SEPARATOR DIMENSION
(REFERENCE : MANUFACTURER CATALOGUE)

OIL/WATER SEPARATOR - OPERATION AND MAINTENANCE

- THE SEPARATOR SHALL HAVE CAPACITY AS DESIGNED. THE EXCESS INFLOW UPSTREAM OF THE PUMP STATION IS DIRECTED THROUGH THE BYPASS TO THE PUMP STATION.
- THE UNIT INCLUDES A CORE TUBE WITH REPLACEABLE MEDIA.
- THE UNIT IS EQUIPPED WITH A CLOSURE DEVICE INCLUDING A FLOAT. AS THE OIL LEVEL BUILDS UP FORMING A LAYER, THE CLOSURE DEVICE MOVES DOWNWARDS TO PREVENT THE PASSAGE OF OILY WATER.
- THE UNIT MUST BE EMPTIED AFTER THE CLOSURE DEVICE OPERATION AND THE COALESCER MEDIA SHOULD BE INSPECTED.
- OIL PROBE SHOULD BE POSITIONED TO DETECT THE ACCUMULATION OF OIL WHEN LOW/NO FLOW CONDITIONS. WHEN THE ALARM OPERATES THE OIL SHOULD BE REMOVED AFTER REACHING 90% OF THE MAXIMUM OIL STORAGE CAPACITY.
- THE SEPARATOR SHOULD BE INSPECTED FREQUENTLY AS EXPERIENCE DICTATES.

OIL/WATER SEPARATOR - OIL REMOVAL PROCEDURE

- OIL SHOULD BE REMOVED WHEN NO FLOW ENTERING THE UNIT.
- REMOVE THE OIL BEFORE ATTEMPTING TO REMOVE THE COALESCER MEDIA.
- REMOVE THE OIL FLOATING ON THE SURFACE IN THE SEPARATION CHAMBER BY DISLODGING HOSE.
- LOWER THE HOSE TO REACH THE BOTTOM AND REMOVE SLUDGES AT THE BOTTOM OF THE TANK.
- REMOVE THE OIL PROBE, CLEAN AND VERIFY IF WORKING PROPERLY.
- REMOVE COALESCER MEDIA - IF REQUIRED - CLEAN OR REPLACE.
- CHECK THE FLOAT/CLOSURE DEVICE OPERATION.

NOTE: THE ABOVE PROCEDURES ARE GUIDELINES AND MIGHT VARIES AR PER MANUFACTURER'S RECOMMENDATIONS

NOTES:

- ALL DIMENSIONS ARE IN MILLIMETERS AND LEVELS ARE IN METERS.
- IF THERE IS DISCREPANCY BETWEEN THE REQUIREMENTS IN THE SPECIFICATIONS AND THOSE SHOWN ON THIS DRAWING, THE SPECIFICATIONS SHALL BE FOLLOWED.
- ALL MATERIALS, FABRICATION AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND VERIFIED BY THE ENGINEER.
- FOR SITES WITH HIGH GROUND WATER, THE CONTRACTOR IS REQUIRED TO PERFORM A STABILITY CHECK FOR THE STRUCTURES AGAINST UPLIFT/FLOTATION CONSIDERING DIFFERENT CASES OF LOADING AND APPROVED BY THE ENGINEER.
- FOR OIL REMOVAL FROM THE OIL WATER SEPARATOR, THE OPERATOR SHALL CHECK THE STATUS OF OIL PIT EVERY 6 MONTHS MIN. PERIOD OR AS SPECIFIED BY THE MANUFACTURER.
- OIL WATER SEPARATOR IS BUILT WITH GRP BODY AND INTERNAL COATING OF MULTI-LAYERS EPOXY RESIN.
- THE AREA OF INSTALLATION CAN BE UP TO CLASS LOAD D400 AND COMPLIES WITH EN B58/DIN1999.
- CONCRETE ANCHORS, AND STABILITY ROPES SHALL BE VERIFIED AS PER SITE CONDITIONS.
- THE CONTRACTOR SHALL VERIFY THE TRAFFIC LOAD AGAINST THE SEPARATOR DEPTH AND WHETHER A PROTECTION SLAB IS REQUIRED AS PER MANUFACTURER RECOMMENDATION AND SUBJECT TO APPROVAL OF ENGINEER.
- THE CONTRACTOR SHALL PROVIDE THE BACKFILL REQUIRED AS PER SPECIFICATION AND AS PER APPROVAL OF ENGINEER.
- VENTILATION PROVISION TO BE PROVIDED IF REQUIRED AS PER MANUFACTURER'S RECOMMENDATION.
- THE CONTRACTOR SHALL VERIFY THE REQUIRED ANCHORING AND RECOMMENDATION FROM SUPPLIER TO AVOID SEPARATOR FLOATATION DUE TO WATER TABLE AND SUBJECT TO APPROVAL OF ENGINEER.
- DURING CONSTRUCTION OF GRP OIL WATER SEPARATOR THE CONTRACTOR SHALL MAKE PROPER AND CONTINUOUS DEWATERING TO AVOID UPLIFT COMING FORM WATER TABLE UNTIL THE TANK IS BURIED AS PER SPECIFICATION AND APPROVED BY ENGINEER.
- CONCRETE SLAB BEARING DETAIL FOR THE TANK TO BE PROVIDED AS PER MANUFACTURER'S STRUCTURAL REQUIREMENT RECOMMENDATION AND SUBJECT TO APPROVAL OF ENGINEER.
- THE DIMENSIONS AND CAPACITY OF THE OIL WATER SEPARATOR SHOULD BE ACCORDING TO THE DESIGN FLOW FOR EACH PROJECT AND AS APPROVED BY THE ENGINEER.
- THE OIL WATER SEPARATOR SHOWN IN THIS DRAWING SHALL ALLOW FLOW OF 35L/sec AND THE EXTRA FLOW SHOULD BE DIRECTED THROUGH BYPASS.

REFERENCE DRAWINGS AND DOCUMENTS

No.	REVISIONS	APP'D	DATE
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CLIENT

TITLE
STANDARD DRAWINGS
MAIN ROADS

DRAWING TITLE

SURFACE DRAINAGE DETAILS OF
GRP OIL WATER SEPARATOR

DRAWN	-	SCALE	N.T.S
CHECKED	-	DATE	-
APPROVED	-	SIZE	A1
PROJECT No.	-	DWG. No.	N-240