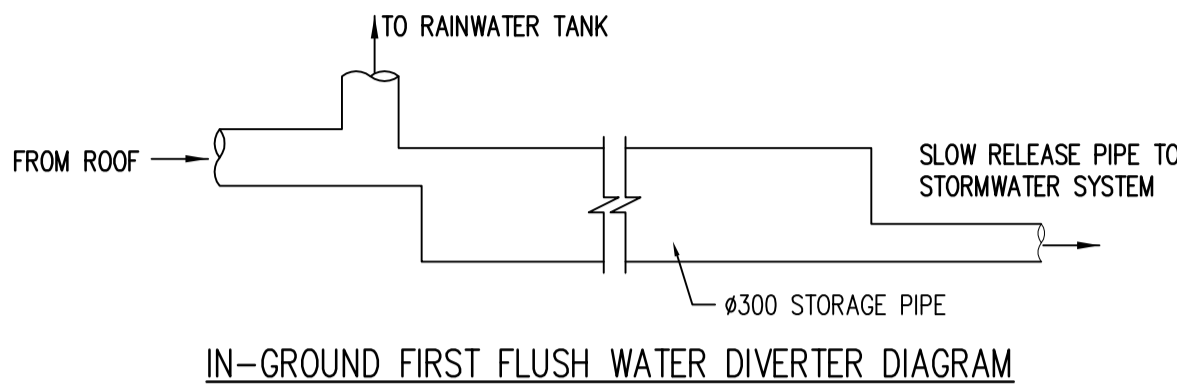


PRELIMINARY DRAWING

NOT TO BE USED FOR CONSTRUCTION PURPOSES



STORMWATER NOTES

- S1. ALL STORMWATER DRAINAGE TO BE IN ACCORDANCE WITH AS 3500.3 AND COUNCIL REQUIREMENTS.
- S2. DOWNPIPE LOCATIONS ARE INDICATIVE ONLY. FINAL LOCATIONS TO BE REFER TO ARCHITECT DRAWING.
- S3. ALL HABITABLE FLOOR LEVELS ARE TO BE AT LEAST 200 mm ABOVE FINISHED GROUND LEVELS ADJACENT TO NEW DWELLINGS.
- S4. WHERE PIPE SIZE NOT SHOWN ON DRAWING, USE 100Ø UPVC (MIN. 1.0%)
- S5. PRIOR TO ANY CONSTRUCTION ON SITE THE BUILDER SHALL CHECK THE ASSUMED LEVELS OF ALL UPSTREAM AND DOWNSTREAM EXISTING DRAINAGE STRUCTURES TO ENSURE THE VIABILITY OF THE PROPOSED WORKS. THE ENGINEER IS TO BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES IN LEVELS OR LOCATION OF STRUCTURES.
- S6. PRIOR TO ANY CONSTRUCTION ON SITE THE BUILDER SHALL CHECK THE LOCATION AND DEPTH OF ALL SEWER STRUCTURES TO ENSURE NO CONFLICT WITH THE PROPOSED WORKS.
- S7. A CHILD PROOF AND CORROSION RESISTANT FASTENING SYSTEM FOR THE ACCESS GRATES TO DETENTION TANK/TANKS/SILT ARRESTOR PIT /PIT GREATER THAN 600mm DEEP SHALL BE INSTALLED. (E.G. SPRING LOADED JAY-BOLT).
- S8. A 500mm x 200mm SIGN SHALL BE PLACED ADJACENT TO THE DETENTION TANK/SILT ARRESTOR PIT STATING THAT:
"THIS DETENTION TANK/SILT ARRESTOR PIT SHALL BE REGULARLY INSPECTED AND CLEANED."
- S9. PIPES TO BE THRUST BORED TO MINIMISE ROOT DAMAGE IN THE VICINITY OF TREES.

ONLY ROOF RAINWATER ALLOWED TO DRAIN INTO RAINWATER TANK

ANY DOWNPIPE COLLECTING BALCONY STORMWATER TO BE CONNECTED TO STORMWATER PIT.

FIRST FLUSH DEVICES TO BE PROVIDED BEFORE DOWNPIPE CONNECTED TO RAINWATER TANK.

1. ALL STORMWATER PITS IN LANDSCAPE OR TURFED AREAS TO HAVE PERFORATED GALV. MESH BELOW GRATE
2. ALL PITS/GRATE DRAIN IN TRAFFICABLE AREAS TO HAVE A GALVANISED HINGED BOLT DOWN AND HEELGUARD GRATES

PRIOR TO ANY CONSTRUCTION ON SITE THE BUILDER SHALL CHECK INVERT LEVEL OF EXISTING K.I.P. TO ENSURE NO CONFLICT WITH THE PROPOSED WORKS.

PRIOR TO ANY CONSTRUCTION ON SITE THE BUILDER SHALL CHECK THE LOCATION AND DEPTH OF ALL UNDERGROUND SERVICES TO ENSURE NO CONFLICT WITH THE PROPOSED WORKS.

THE CONTRACTOR SHALL ARRANGE AND PAY ALL FEES TO CONNECT TO COUNCIL'S STORMWATER SYSTEM, IN COMPLIANCE WITH COUNCIL REQUIREMENTS.

EXISTING PIT TO BE RESTORED AS PER EXISTING CONDITION, OTHERWISE THE APPLICANT NEEDS TO RECONSTRUCT THE PIT AS PER COUNCIL'S SATISFACTION.

STORMWATER SITE DRAINAGE LAYOUT PLAN

- ALL PIPELINES UNDER THE BUILDING SHALL BE CONSTRUCTED AND TESTED AS PER SECTION 10 OF AS/NZS 3500.3:2015
- ALL PIPES SHALL BE SEWER GRADE EXTRA HEAVY DUTY.
- Ø150 UPVC WITH 1.0% MIN. SLOPE UNO.
- Ø100 UPVC WITH 1.0% MIN. SLOPE UNO.
- OVERLAND FLOW DIRECTION.
- FIRST FLUSH DEVICES TO BE PRIVED TO AUTHORITY'S REQUIREMENTS.
- C.O.S. DENOTES TO BE CHECKED & CONFIRMED ON SITE.

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REQUIRED RAINWATER TANK STORAGE VOLUME TO BE CONFIRMED WITH BASIX CERTIFICATE.

UNDER GROUND RAINWATER TANK:
SL:137.93 MIN
AREA=8.60 m²(INT)
TWL: 137.50
BASE RL: 136.75
AVERAGE WATER DEPTH 0.698 m
STORAGE VOL PROVIDED: 6.0 m³

UNDERGROUND DETENTION TANK
AREA=28.1 m² (INT)
AVERAGE WATER DEPTH=570mm
SL: 137.73 MIN (VARIES)
TWL: 137.30
IL: 136.64
STORAGE VOLUME PROVIDED: 16 m³
PSD = 9 l/sec
FLOW CONTROL = 75Ø ORIFICE PLATE

THE STORMWATER PIPE INVERT LEVEL TO BE CHECKED AND CONFIRMED WITH PEG-OUT REPORT TO MAKE SURE NO CONFLICT TO SEWER PIPE



Planning,
Industry &
Environment

LOCKED BAG 4009
ASHFIELD NSW BC1800
PHONE No (02) 8753 9000

www.facs.nsw.gov.au



F	22.03.23	ARCH'S NEW PLAN
E	18.11.22	ARCH'S NEW PLAN
D	05.10.22	ARCH'S NEW PLAN
C	13.07.22	ARCH'S NEW PLAN
B	10.05.22	ARCH'S NEW PLAN
A	06.04.22	ARCH'S NEW PLAN
REV	DATE	NOTATION/AMENDMENT
DO NOT SCALE DRAWINGS. CHECK ALL DIMENSIONS ON SITE. FIGURED DIMENSIONS TAKE PRECEDENCE.		

ARCHITECT
CRAWFORD ARCHITECTS PTY LTD
PH (02) 9800 9844

PROJECT MANAGER
LAND & HOUSING CORPORATION
PH (02) 8753 8100 FAX (02) 8753 8011

ELECTRICAL CONSULTANT

CIVIL CONSULTANT
MICHAEL EIL CONSULTING ENGINEERS PTY LTD
PH (02) 9807 5355 FAX (02) 9807 5366

HYDRAULIC CONSULTANT

LANDSCAPE CONSULTANT

BUSINESS PARTNER:

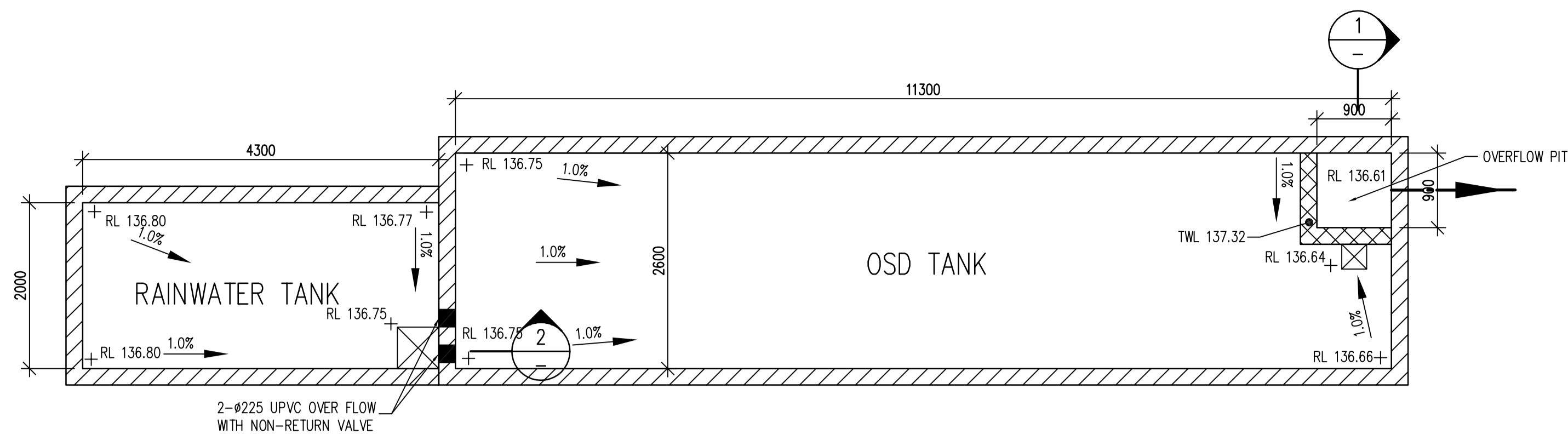
PROJECT:
BOARDING HOUSING DEVELOPMENT
189 RIVERSIDE DRIVE,
AIRDS, NSW, 2560

TITLE:
STORMWATER SITE DRAINAGE
LAYOUT PLAN

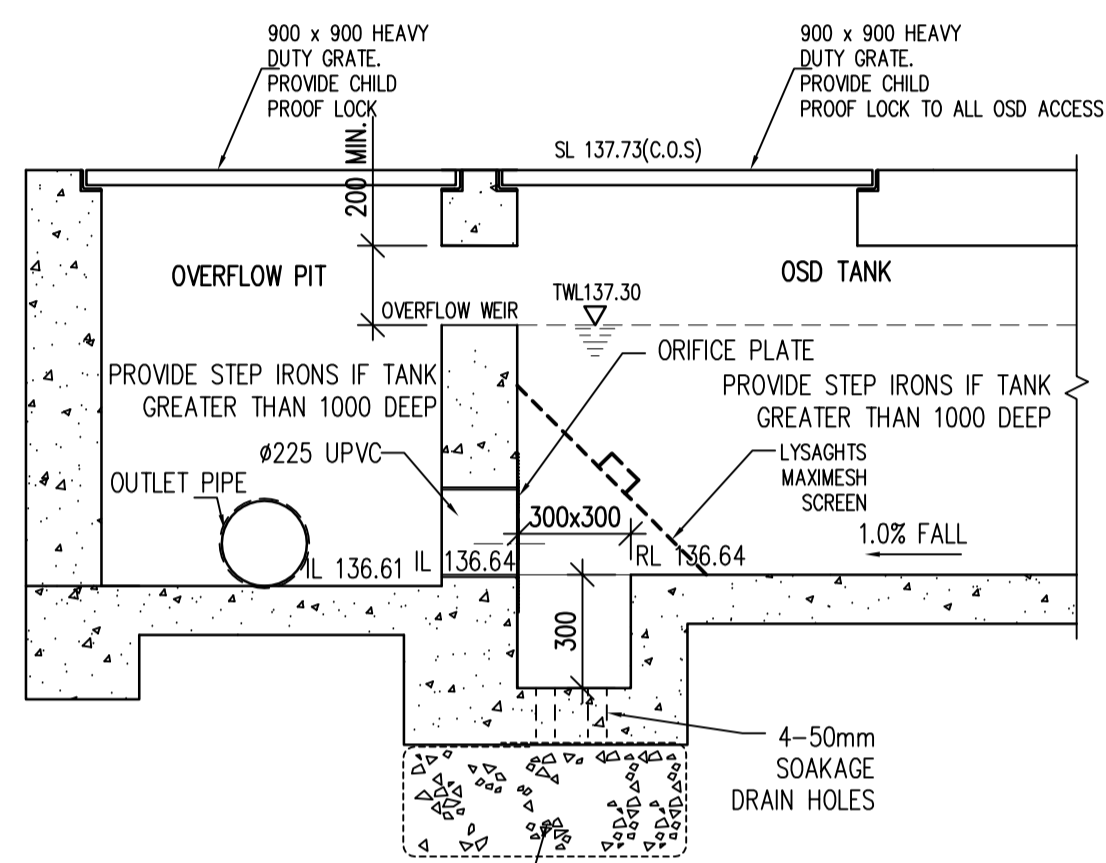
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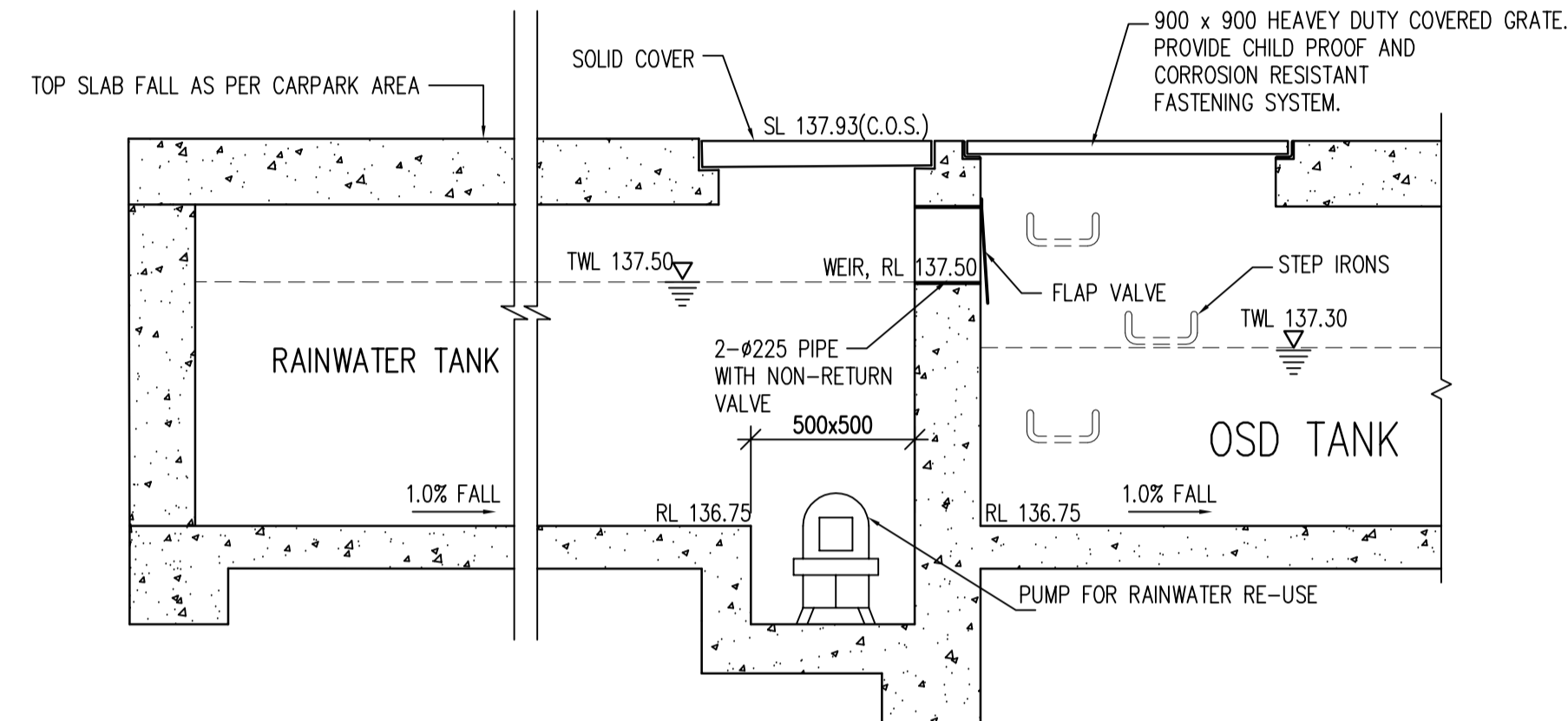
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07.02.22	1:100	22003	BGWW7
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DA	DC	ME	
FILE:	SHEET:	REV:	
	C01		F



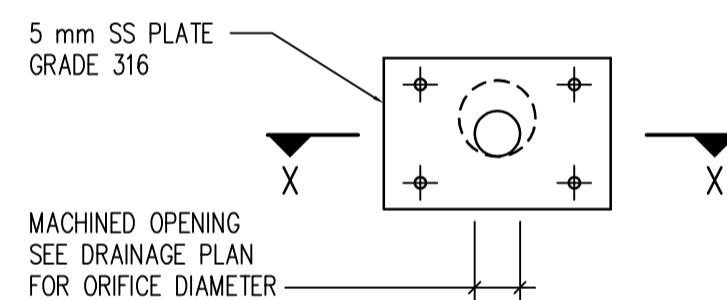
OSD/RAINWATER TANK PLAN
SCALE 1:50



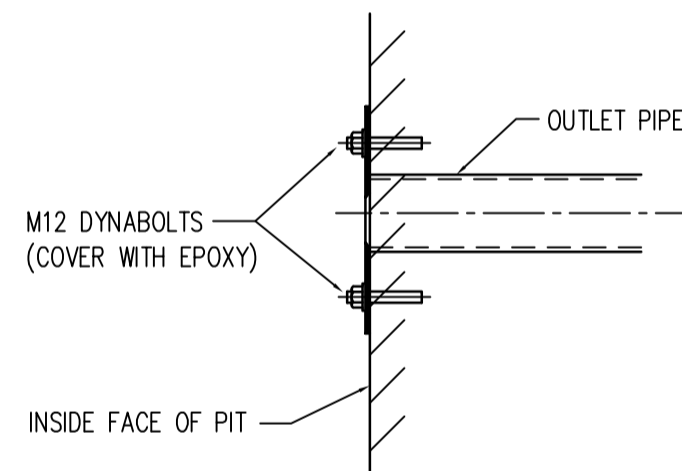
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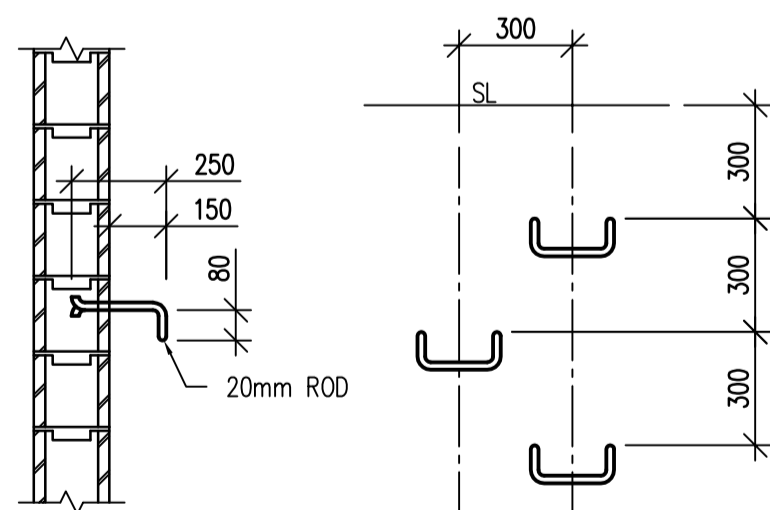
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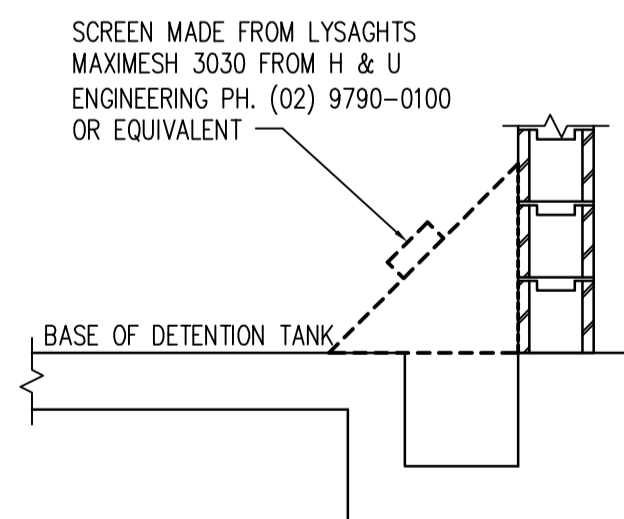
ORIFICE PLATE ARRANGEMENT
SCALE 1:10



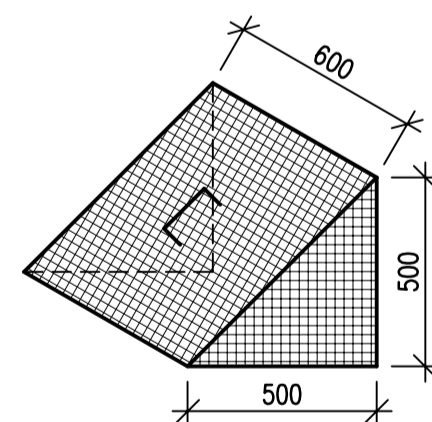
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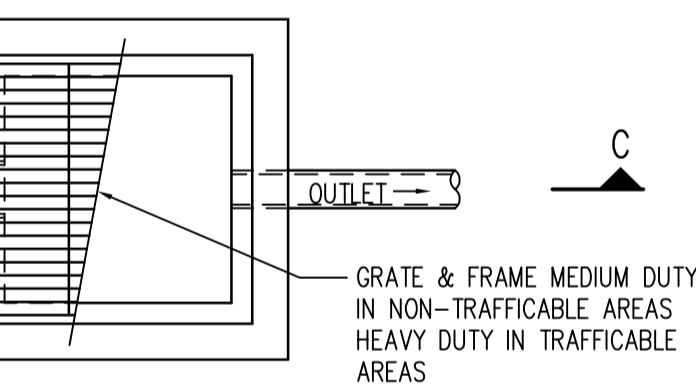
STEP IRON DETAIL
PROVIDE STEP IRONS WHEN PITS/TANKS ARE GREATER THAN 1000 DEEP



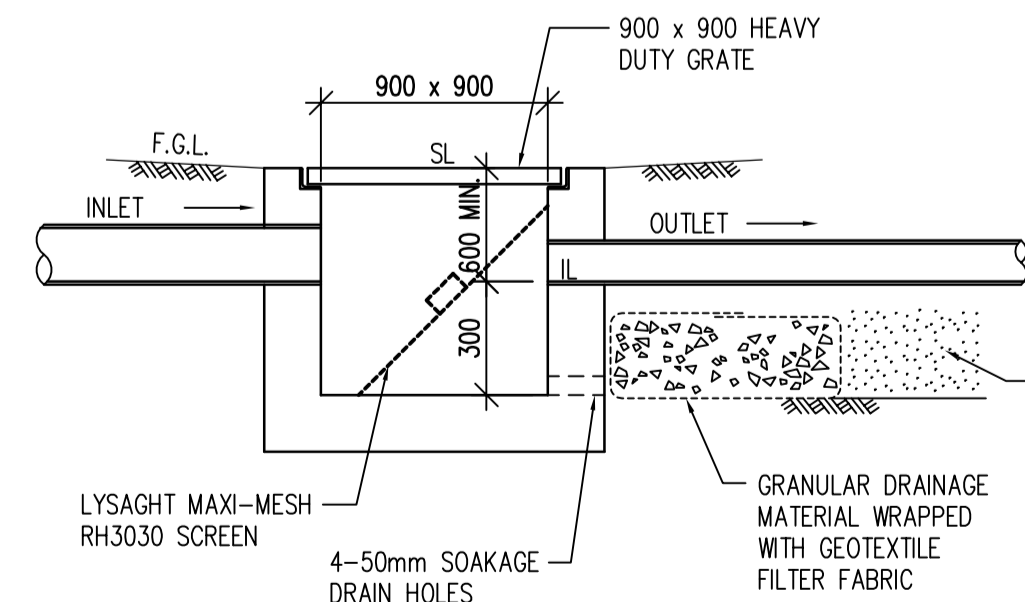
LITTER & LEAF SCREEN DETAIL
NTS



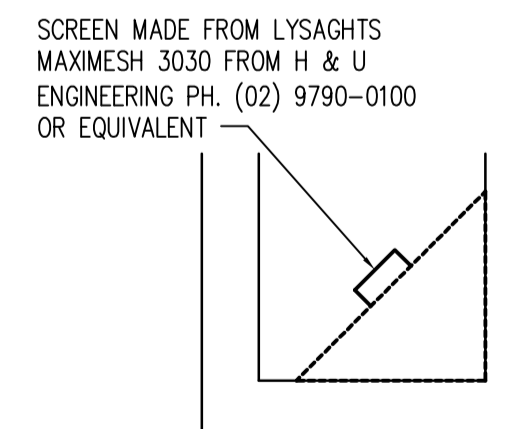
ISOMETRIC VIEW



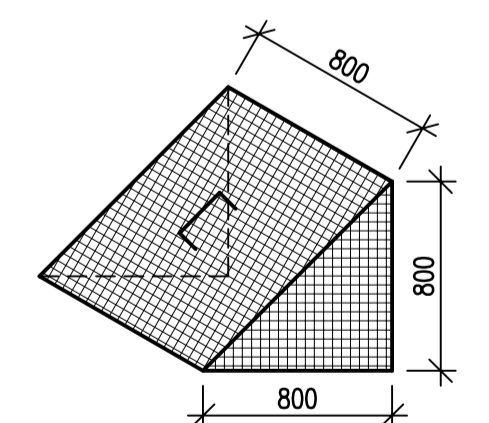
900 x 900 SILT ARRESTOR PIT
PRECAST CONCRETE PITS MAY BE SUBSTITUTED SUBJECT TO APPROVAL



SECTION C-C



LITTER & LEAF SCREEN DETAIL



ISOMETRIC VIEW

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