

3A ASTER AVENUE, PUNCHBOWL

PROPOSED DUAL OCCUPANCY

STORMWATER CONCEPT PLANS

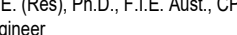




LOCALITY PLAN
N.T.S

DRAWING INDEX

| Drawing No. | DESCRIPTION |
|-------------|-----------------------------|
| 000 | COVER SHEET PLAN |
| 101 | STORMWATER CONCEPT PLAN |
| 102 | MISCELLANEOUS DETAILS SHEET |

NOT FOR CONSTRUCTION

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|--------|--|-----------------------------------|--|--|--|---|--|--|--|---|--|-------|--|--|--|---|--|-----------------------------------|--|
| | | | | Certification By Dr. Michel Chayya B.E., M.E. (Res), Ph.D., F.I.E. Aust., CPEng., Civil Engineer | |  | | Architect  Perras Design Group (02) 8005 1000 | | Council City of Canterbury Bankstown | | Scale | |  Level 4, 470 Church Street, Parramatta NSW 2150 PO BOX 3579 Parramatta 2124 Email : info@telfordcivil.com.au Phone : 02 7809 4931 Company : Telford Consulting Pty Ltd | | Project 3A ASTER AVENUE, PUNCHBOWL PROPOSED DUAL OCCUPANCY STORMWATER CONCEPT PLANS DEVELOPMENT APPLICATION | | Drawing Title COVER SHEET PLAN | |
| A | | ISSUE FOR DEVELOPMENT APPLICATION | | 11/08/2022 | | GGH | | JSF | | | | | | | | | | | |
| Issue | | Description | | Date | | Design | | Checked | | | | | | | | | | | |
| 0 | | 1cm at full size | | 10cm | | 20cm | | | | | | | | | | | | | |
| Scale | | A1 | | Project No. | | Dwg. No. | | Issue | | | | | | | | | | | |
| N.T.S. | | | | 22506 | | 000 | | A | | | | | | | | | | | |

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|--|--|
| | PROPOSED STORMWATER |
| | PIPE OVERCROSSING MINIMUM 150mm CLEARANCE |
| | GUTTER DOWNPIPE |
| | ROOF SLOPE |
| | RAINWATER OUTLET |
| | Ø300 CLEANING EYE |
| | RAINWATER TANK |
| | SURFACE FLOW ARROWS |
| | DESIGN SURFACE LEVEL |
| | EXISTING SURFACE LEVEL |
| | ROOF AREA TO RAINWATER TANK |
| | TREES TO BE RETAINED |
| | TREES TO BE REMOVED |
| | Ø50mm HDPE CAST IN SLAB |
| | Ø50mm EMERGENCY OVERFLOW SPITTERS/PIPES |

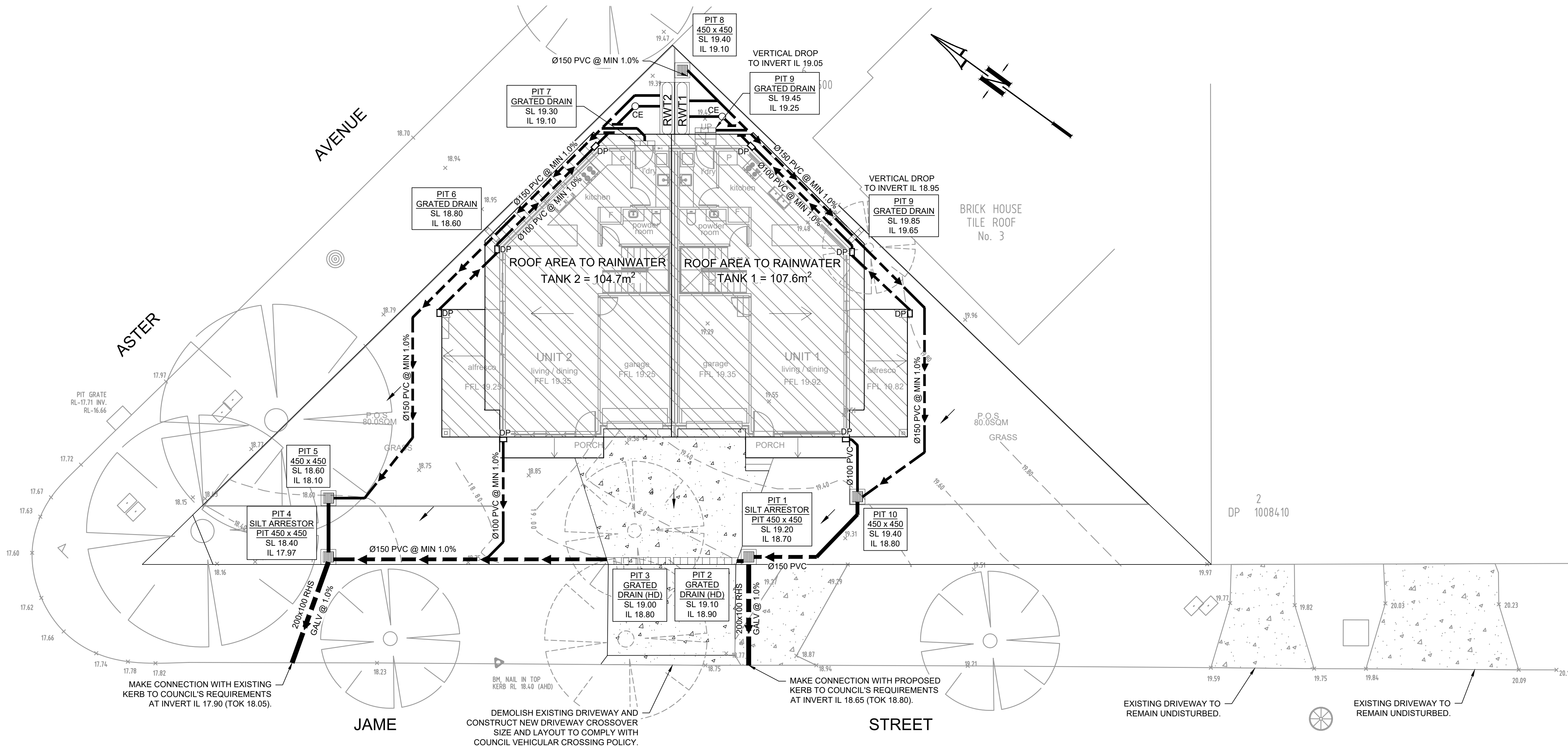
1. ALL LINES ARE TO BE Ø90 uPVC 1.0% GRADE UNLESS NOTED OTHERWISE. CHARGED LINES TO BE SEWERGRADE & SEALED.
2. EXISTING SERVICES LOCATIONS SHOWN INDICATIVE ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE & LEVEL ALL EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF ANY EARTHWORKS.
3. ALL PIPES TO HAVE MIN 150mm COVER IF LOCATED WITHIN PROPERTY.
4. ALL PITS IN DRIVEWAYS TO BE 450x450 CONCRETE AND ALL PITS IN LANDSCAPED AREAS TO BE 450x450 PLASTIC.
5. PITS LESS THAN 600mm DEEP MAY BE BRICK, PRECAST OR CONCRETE.
6. ALL BALCONIES AND ROOFS TO BE DRAINED AND TO HAVE SAFETY OVERFLOWS IN ACCORDANCE WITH RELEVANT AUSTRALIAN STANDARDS.
7. ALL EXTERNAL SLABS TO BE WATERPROOFED.
8. ALL GRATES TO HAVE CHILD PROOF LOCKS.
9. ALL DRAINAGE WORKS TO AVOID TREE ROOTS.
10. ALL DPs TO HAVE LEAF GUARDS.
11. ALL EXISTING LEVELS TO BE CONFIRMED BY BUILDER PRIOR TO CONSTRUCTION.
12. ALL WORK WITHIN COUNCIL RESERVE TO BE INSPECTED BY COUNCIL PRIOR TO CONSTRUCTION.
13. COUNCIL'S ISSUED FOOTWAY DESIGN LEVELS TO BE INCORPORATED INTO THE FINISHED LEVELS ONCE ISSUED BY COUNCIL.
14. ALL WORK SHALL BE IN ACCORDANCE WITH B.C.A. AND A.S.3500.3.
15. REFER TO LANDSCAPE ARCHITECT'S DRAWINGS FOR LANDSCAPING.
16. CARE TO BE TAKEN AROUND EXISTING SEWER. STRUCTURAL ADVICE IS REQUIRED FOR SEWER PROTECTION AGAINST ADDITIONAL LOADING FROM NEW PITS, PIPES, RETAINING WALLS AND OSD BASIN WATER LEVELS.
17. ALL PIPES IN BALCONIES TO BE Ø65 uPVC CAST IN CONCRETE SLAB. CONTRACTOR TO PROVIDE A BREAK / OPEN VOID IN RAIL / BALLUSTRADE FOR STORMWATER EMERGENCY OVERFLOW. ALL ENCLOSED AREAS/PLANTER BOXES TO BE FITTED WITH FLOOR WASTES & DRAINED TO OSD DOWNPIPES TO BE CHECKED BY ARCHITECT & PLUMBER PRIOR TO CONSTRUCTION.

| | | |
|-----------------------------------|---------------------|-------------|
| TOTAL SITE AREA (m ²) | 512.9m ² | |
| TOTAL IMPERVIOUS AREA | 258.3m ² | 50.4% < 66% |
| NO OSD REQUIRED | | |

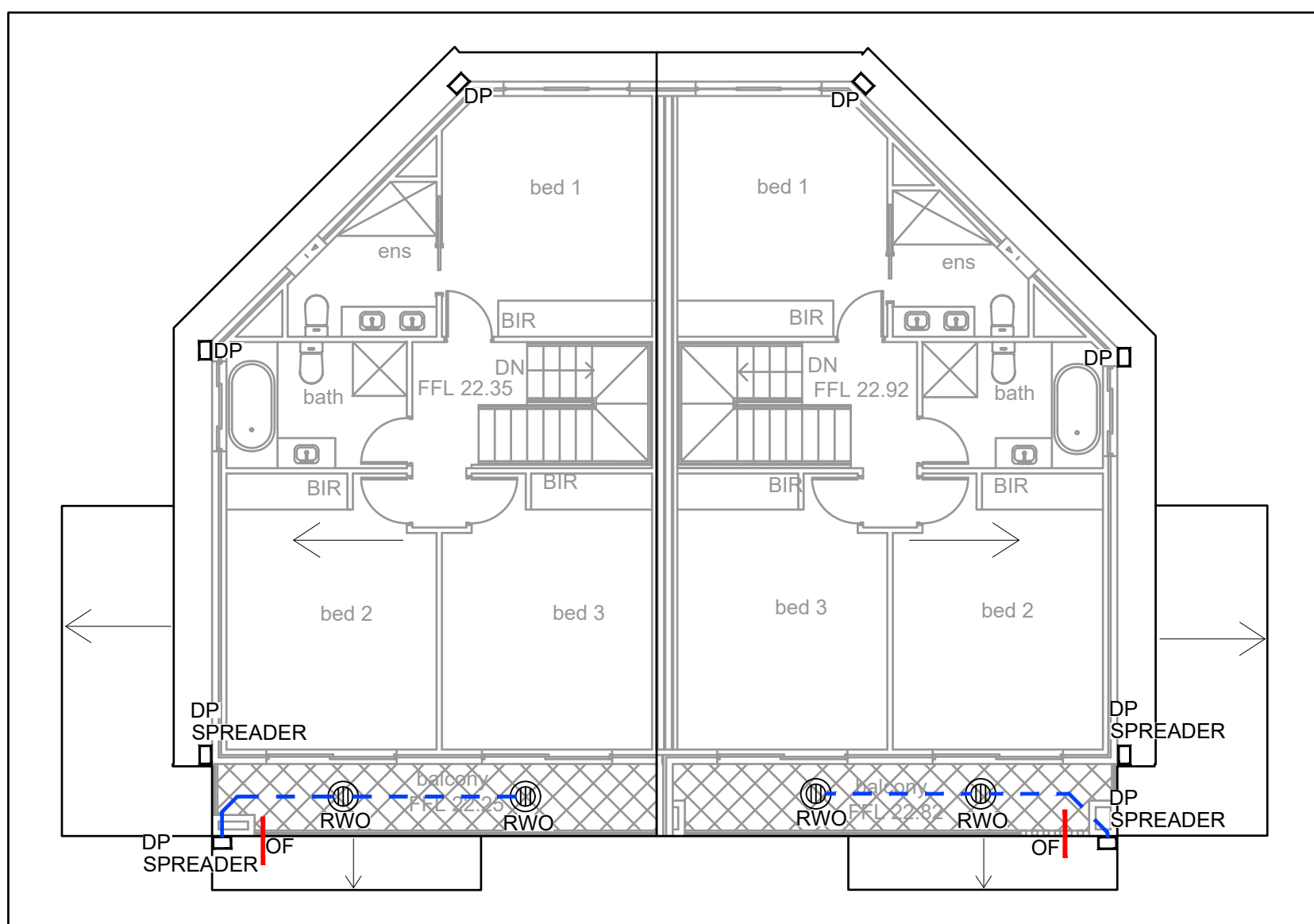
Ø65 PVC @ MIN 1.0%
Ø90 PVC @ MIN 1.0%
Ø100 PVC @ MIN 1.0%
Ø150 PVC @ MIN 1.0%
Ø225 PVC @ MIN 0.5%
Ø300 PVC @ MIN 0.4%
UNLESS NOTED OTHERWISE

RAINWATER RE-USE AS SPECIFIED BY BASIX
CERTIFICATE TO OUTDOOR TAPS AND/OR
TOILETS AND/OR WASHING MACHINE.

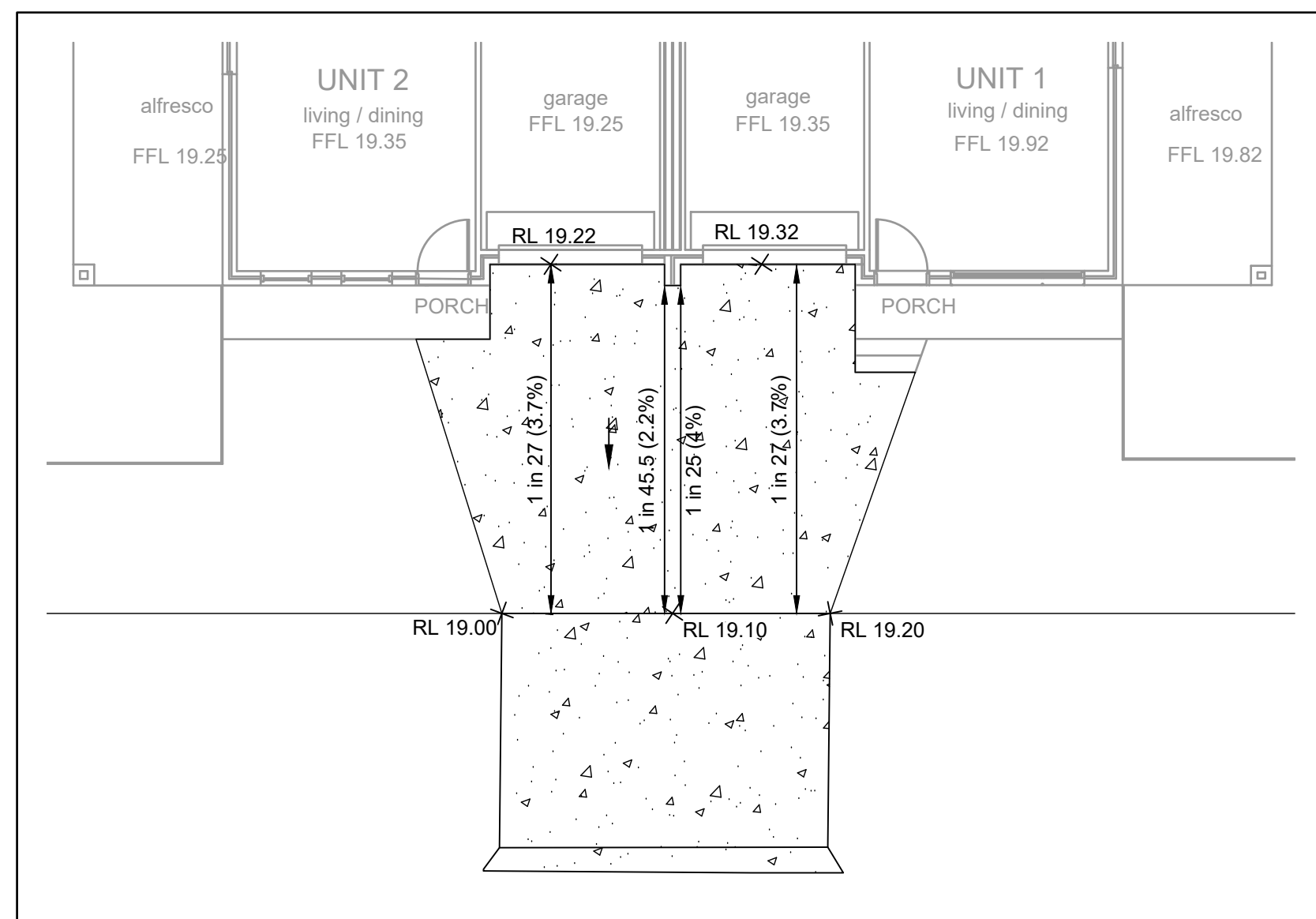
IT IS CONTRACTOR'S RESPONSABILITY TO ENSURE
MINIMUM 30 TO 40mm OF PONDING IS ACHIEVED
OVER THE FLOOR WASTES BY GRADING
CATCHMENT'S SURFACES AT MINIMUM 1% FALL.



SCALE 1:100



SCALE 1:100



SCALE 1:100

NOT FOR CONSTRUCTION

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Civil Engineer



Architect

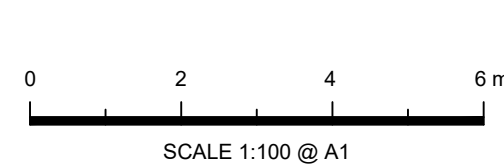


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| Council |
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City of
Canterbury
Bankstown

Scale



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Project

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PROPOSED DUAL OCCUPANCY
STORMWATER CONCEPT PLANS
DEVELOPMENT APPLICATION

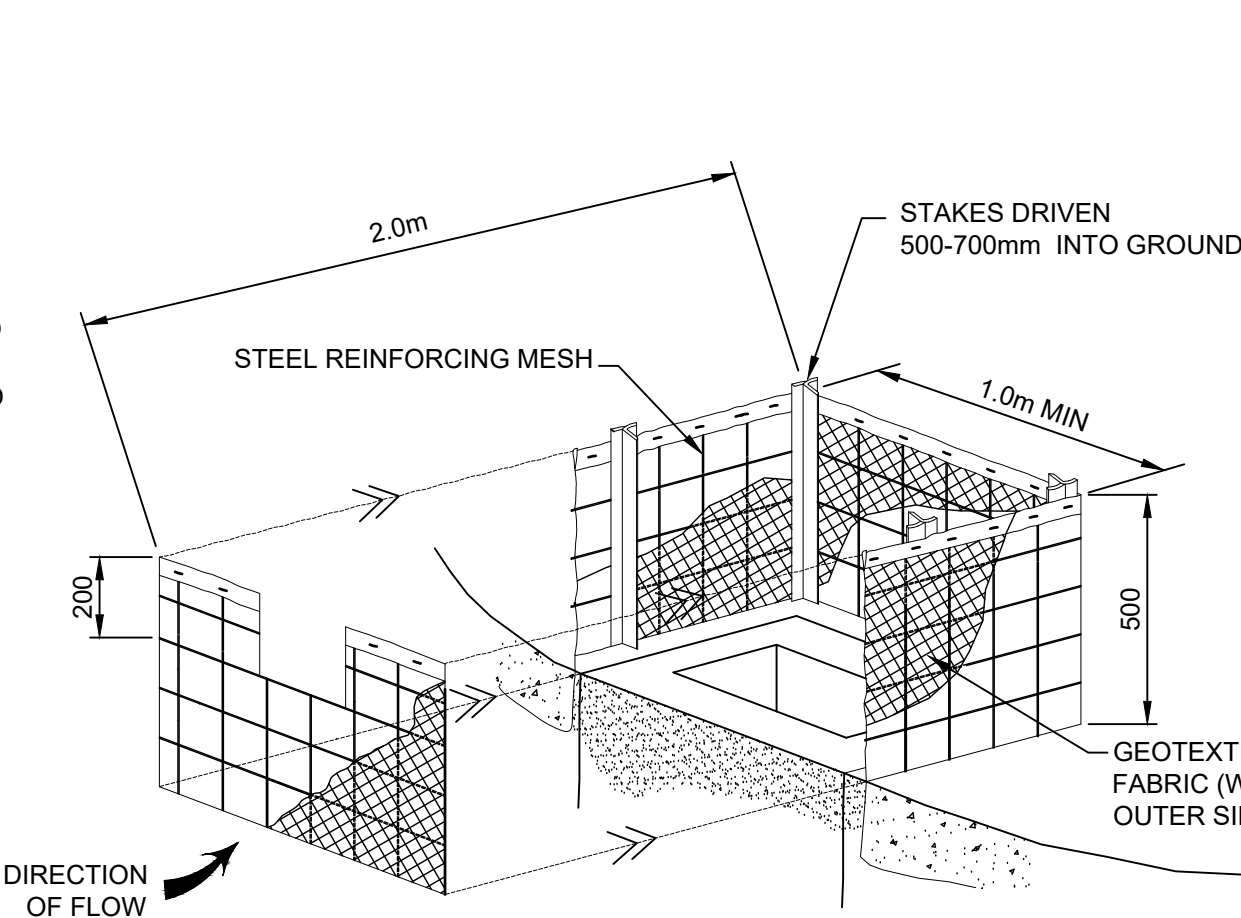
Drawing Title

STORMWATER CONCEPT PLAN

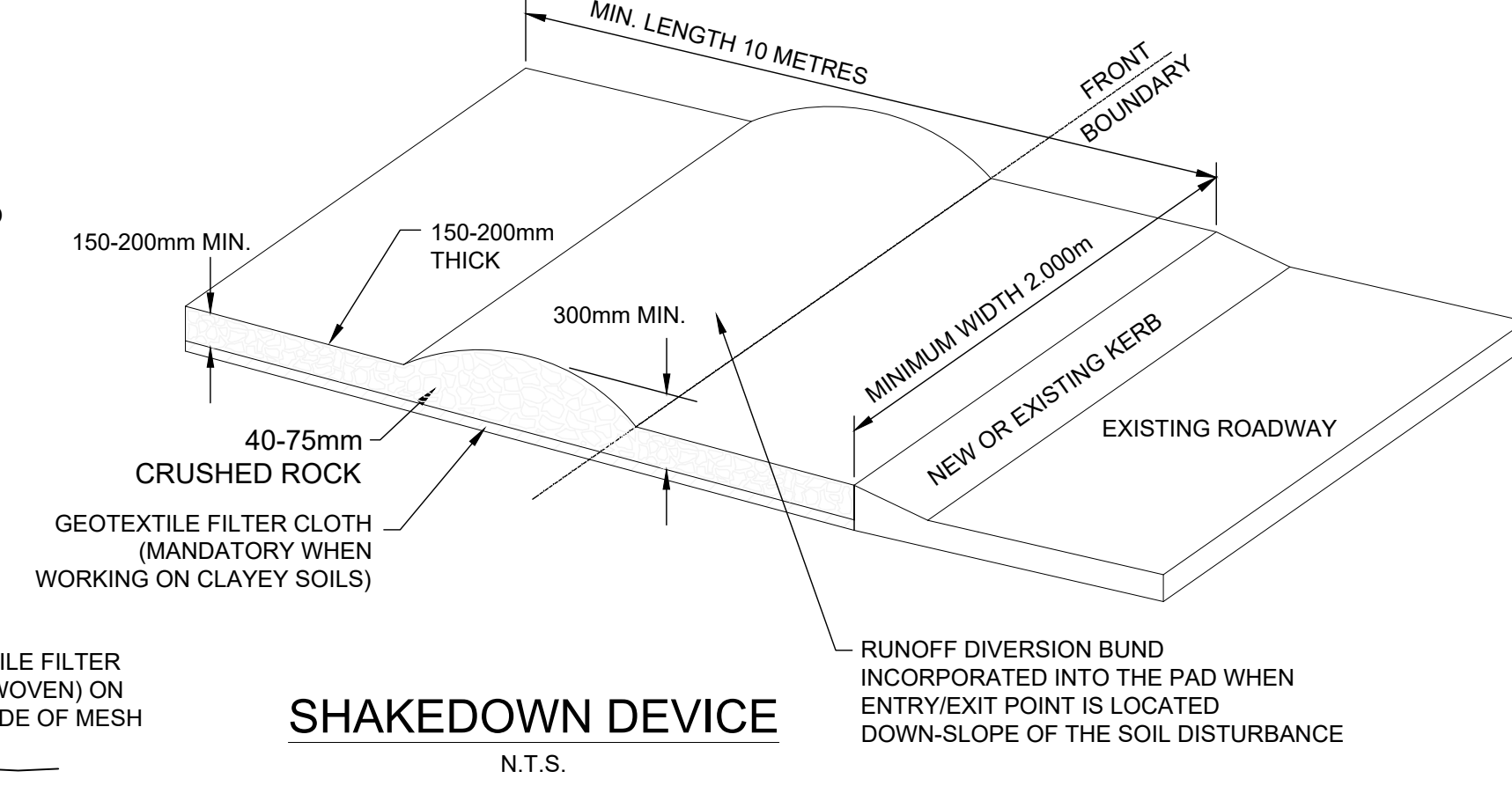
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| Scale | A1 | Project No. | Dwg. No. | Issu |
| 1:100 | | 22506 | 101 | A |

SEDIMENT & EROSION NOTES

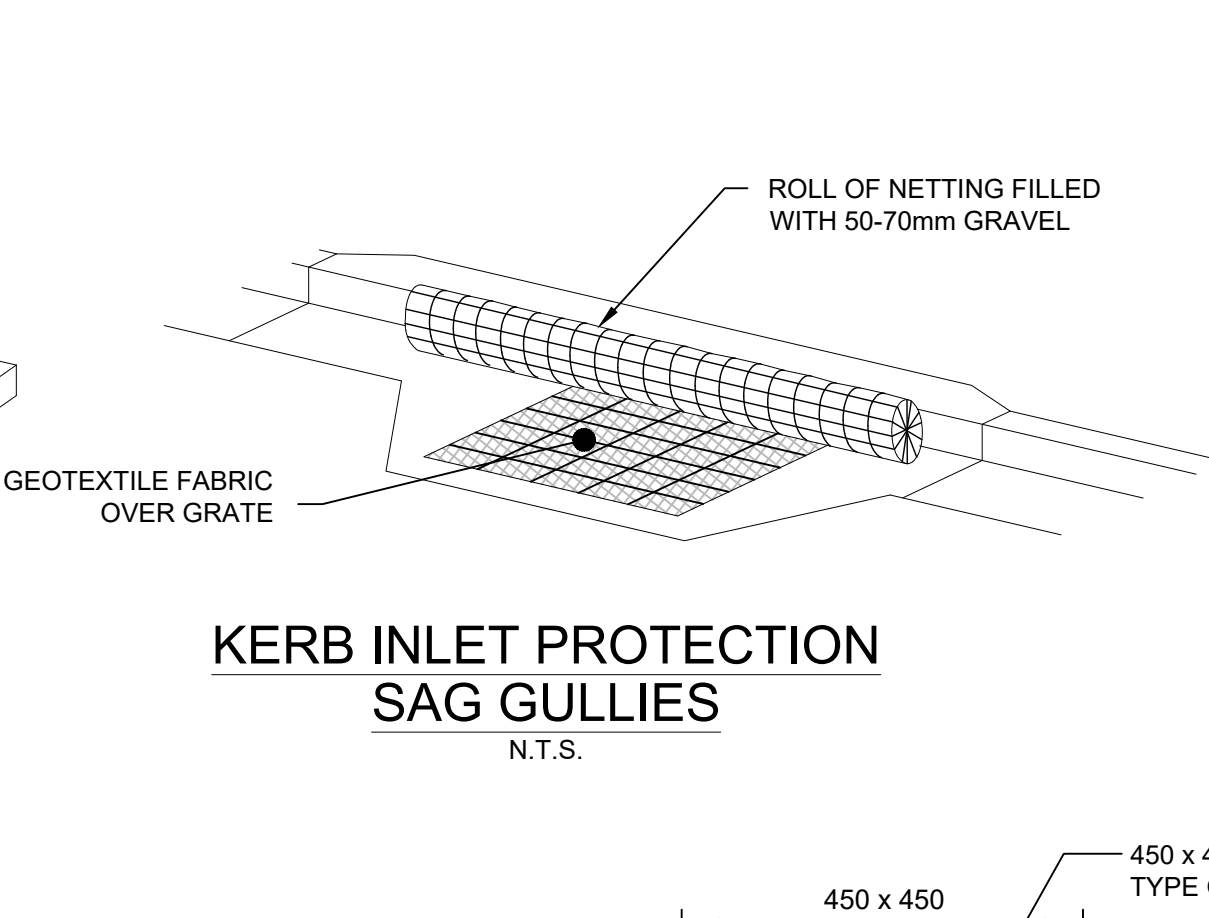
1. IMMEDIATELY FOLLOWING SETTING OUT OF THE WORKS, BUT PRIOR TO COMMENCEMENT OF ANY CLEARING OR EARTHWORKS, THE CONTRACTOR AND SUPERINTENDENT SHALL WALK THE SITE TO NOMINATE THE LOCATIONS AND TYPES OF SEDIMENT AND EROSION CONTROL MEASURES TO BE ADOPTED. THESE MEASURES SHALL BE IMPLEMENTED PRIOR TO ANY CLEARING OR EARTHWORKS AND MAINTAINED UNTIL THE WORKS ARE COMPLETED AND NO LONGER POSE AN EROSION HAZARD, UNLESS OTHERWISE APPROVED BY THE SUPERINTENDENT.
2. IMMEDIATELY FOLLOWING SETTING OUT OF THE WORKS, BUT PRIOR TO COMMENCEMENT OF ANY CLEARING OR EARTHWORKS, THE CONTRACTOR AND SUPERINTENDENT SHALL WALK THE SITE TO IDENTIFY AND MARK TREES WHICH ARE TO BE PRESERVED. NOTWITHSTANDING THE ABOVE, THE CONTRACTOR SHALL TAKE ALL REASONABLE PRECAUTIONS TO MINIMISE DISTURBANCE TO EXISTING VEGETATION AND GROUND COVER OUTSIDE THE MINIMUM AREAS REQUIRED TO COMPLETE THE WORKS AND SHALL BE RESPONSIBLE FOR RECTIFICATION, AT ITS OWN COST, OF ANY DISTURBANCE BEYOND THOSE AREAS.
3. PROVIDE GULLY GRATE INLET SEDIMENT TRAPS AT ALL GULLY PITS.
4. PROVIDE SILT FENCING ALONG PROPERTY LINE AS DIRECTED BY SUPERINTENDENT.
5. ADDITIONAL CONTROL DEVICES TO BE PLACED WHERE DIRECTED BY THE PRINCIPLE.
6. ALTERNATIVE DESIGNS TO BE APPROVED BY SUPERINTENDENT PRIOR TO CONSTRUCTION.
7. WASH DOWN/RUMBLE AREA TO BE CONSTRUCTED WITH PROVISIONS RESTRICTING ALL SILT AND TRAFFICKED DEBRIS FROM ENTERING THE STORMWATER SYSTEM.
8. NO WORK OR STOCKPIILING OF MATERIALS TO BE PLACED OUTSIDE OF SITE WORK BOUNDARY.
9. APPROPRIATE EROSION AND SEDIMENT CONTROLS TO BE USED TO PROTECT STOCKPILES AND MAINTAINED THROUGH OUT CONSTRUCTION.
10. IT IS THE CONTRACTORS RESPONSIBILITY TO TAKE DUE CARE OF NATURAL VEGETATION. NO CLEARING IS TO BE UNDERTAKEN WITHOUT PRIOR APPROVAL FROM THE SUPERINTENDENT.
11. TO AVOID DISTURBANCE TO EXISTING TREES, EARTHWORKS WILL BE MODIFIED AS DIRECTED ON-SITE BY THE SUPERINTENDENT.
12. THE LOCATION OF EROSION AND SEDIMENTATION CONTROLS WILL BE DETERMINED ON SITE BY THE SUPERINTENDENT.
13. ACCESS TRACKS THROUGH THE SITE WILL BE LIMITED TO THOSE DETERMINED BY THE SUPERINTENDENT AND THE CONTRACTOR PRIOR TO ANY WORK COMMENCING.
14. ALL SETTING OUT IS THE RESPONSIBILITY OF THE CONTRACTOR PRIOR TO WORKS COMMENCING ON SITE. THE SUPERINTENDENT'S SURVEYOR SHALL PEG ALL ALLOTMENT BOUNDARIES, PROVIDE COORDINATE INFORMATION TO THESE PEGS AND PLACE BENCH MARKS. THE CONTRACTOR SHALL SET OUT THE WORKS FROM AND MAINTAIN THESE PEGS.
15. PLANS ARE MINIMUM REQUIREMENTS AND ARE TO BE USED AS A GUIDE ONLY. EXACT MEASURES USED SHALL BE DETERMINED ON SITE IN CONJUNCTION WITH PROGRAM OF CONTRACTORS WORKS etc.



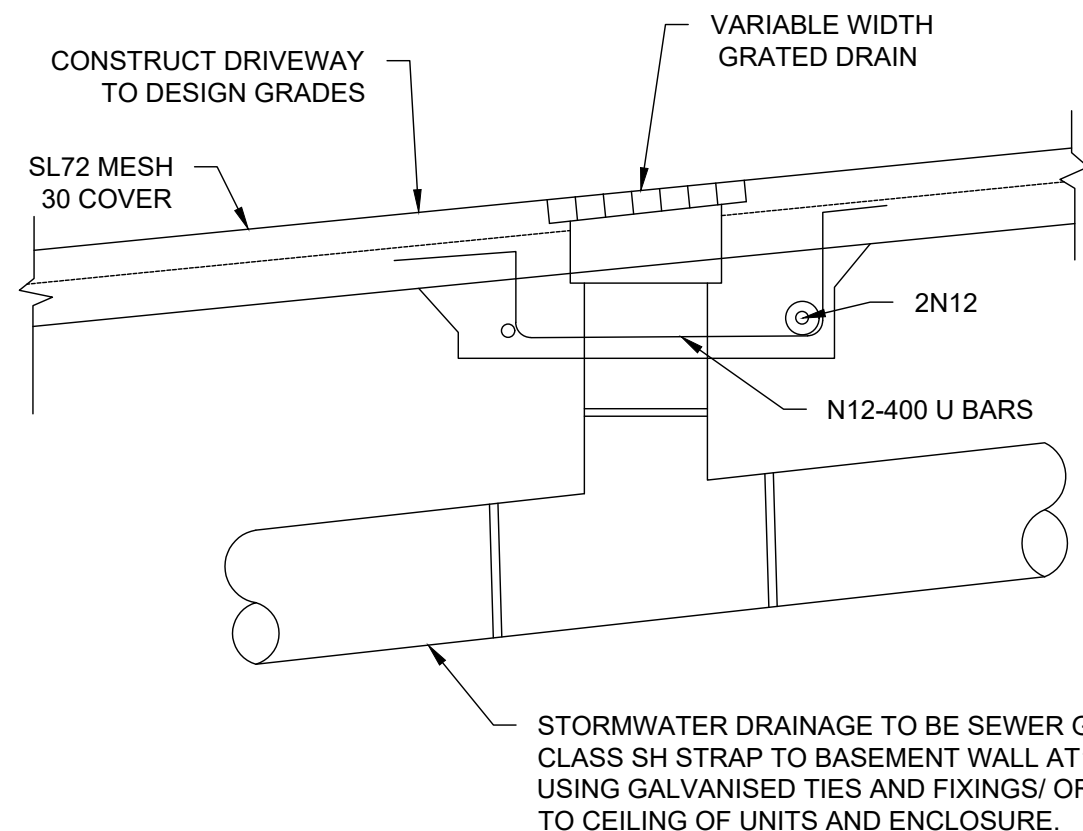
FIELD INLET SEDIMENT TRAP
N.T.S.



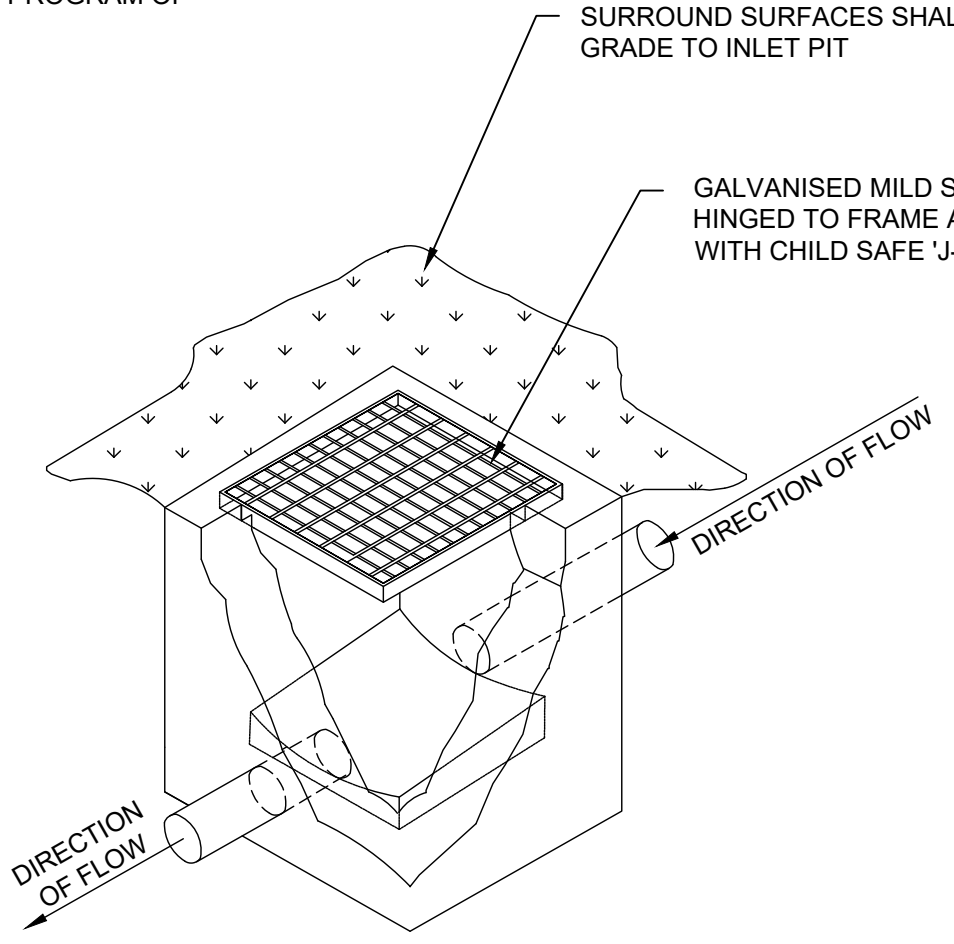
SHAKEDOWN DEVICE
N.T.S.



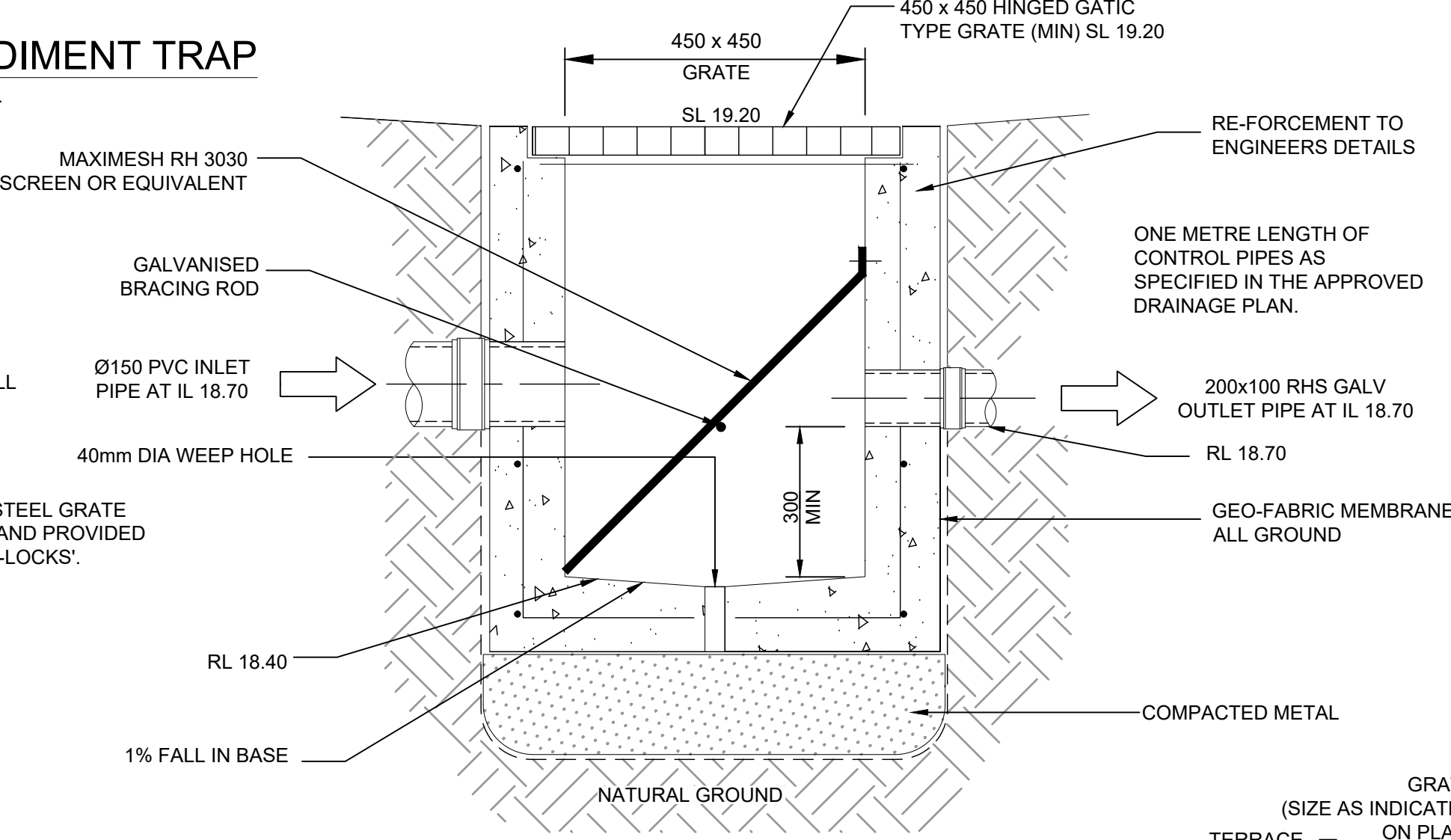
KERB INLET PROTECTION
SAG GULLIES
N.T.S.



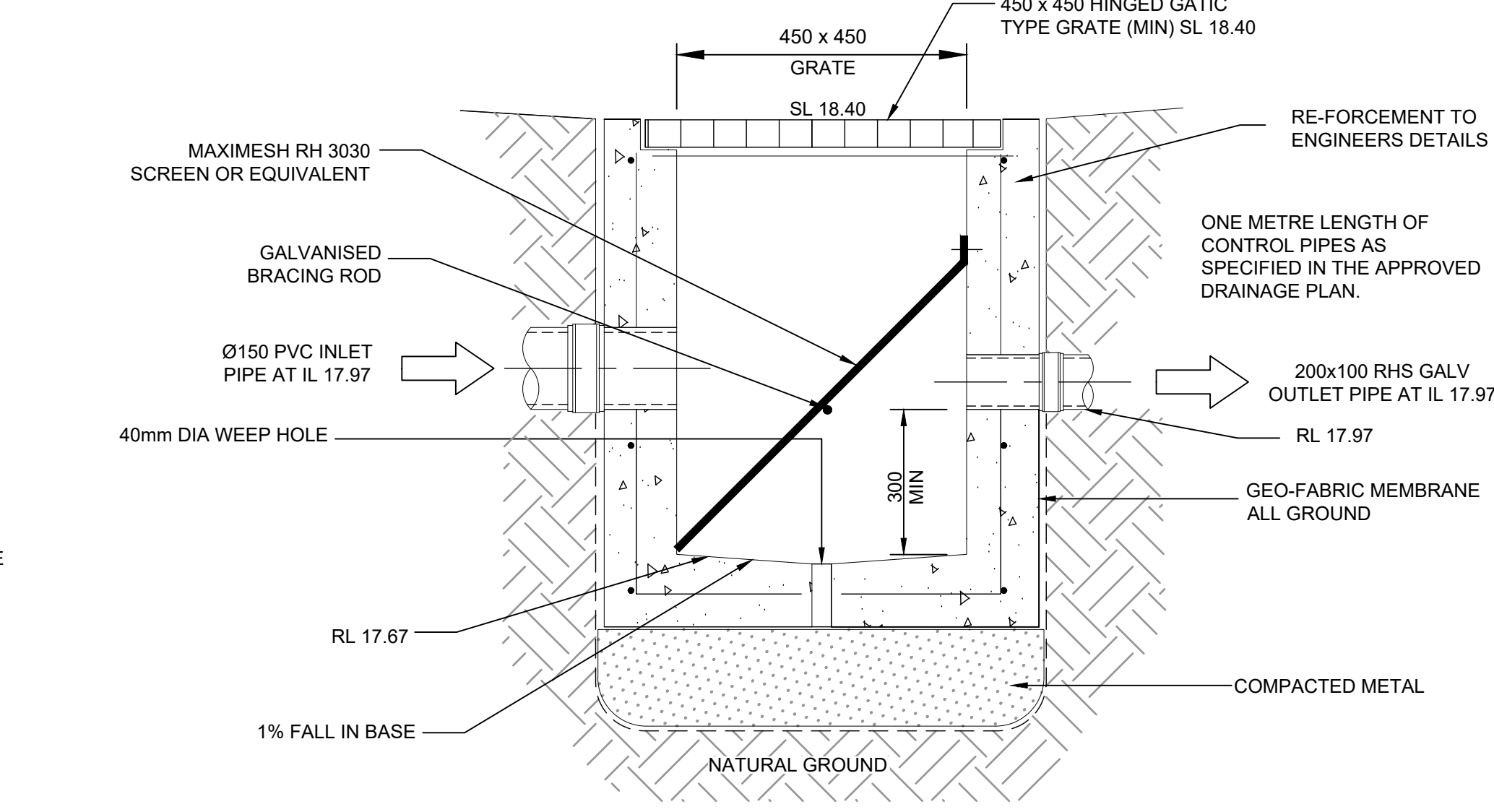
GRADED DRAIN DETAIL
N.T.S.



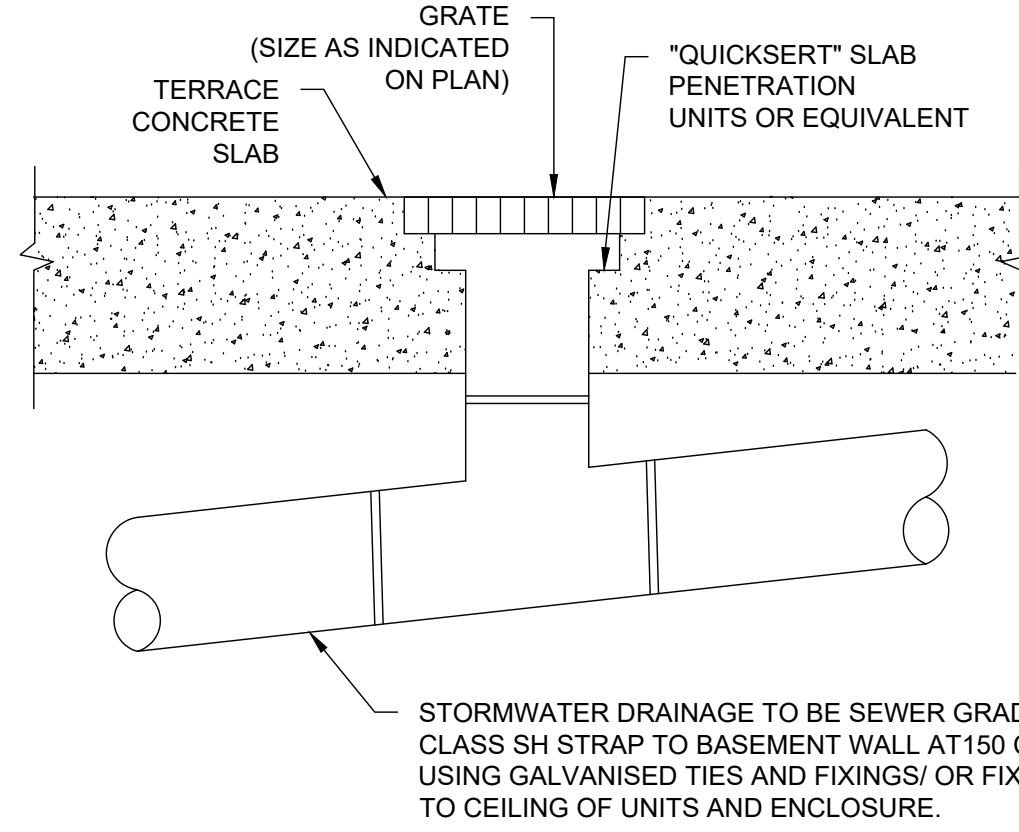
TYPICAL GRADED
INLET PIT DETAIL
N.T.S.



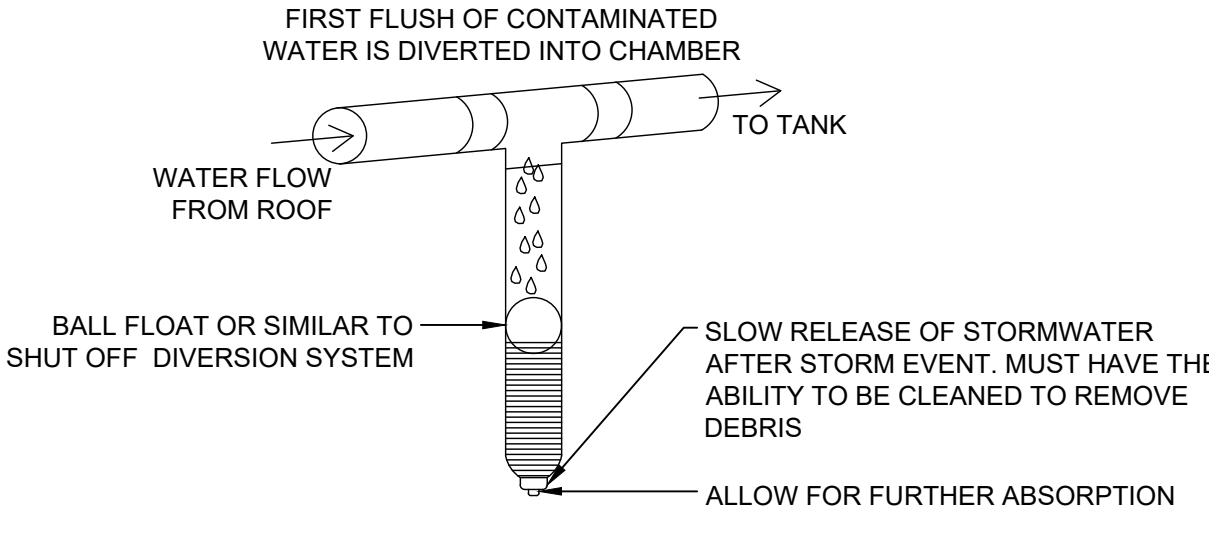
SILT ARRESTOR PIT1 DETAILS
N.T.S.



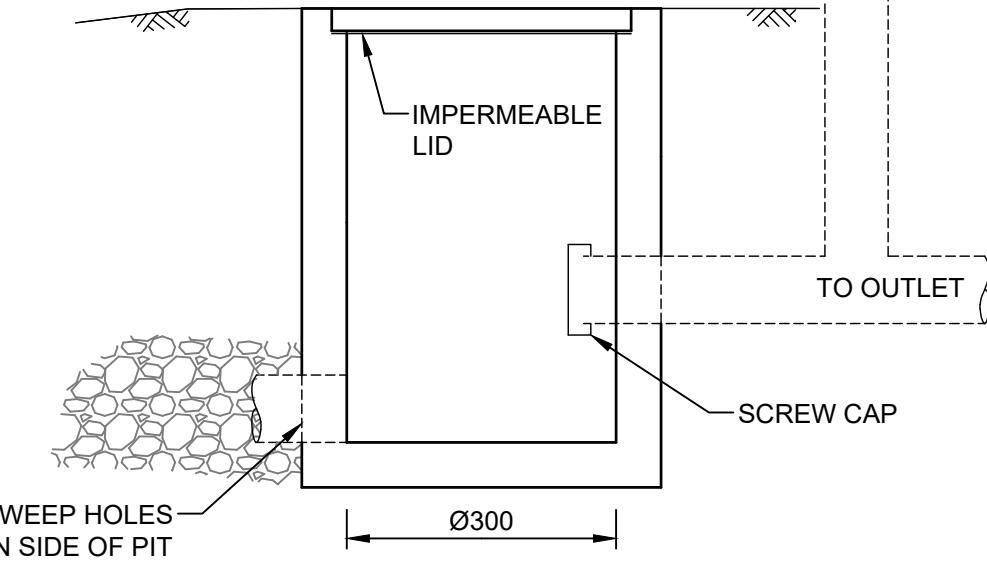
SILT ARRESTOR PIT4 DETAILS
N.T.S.



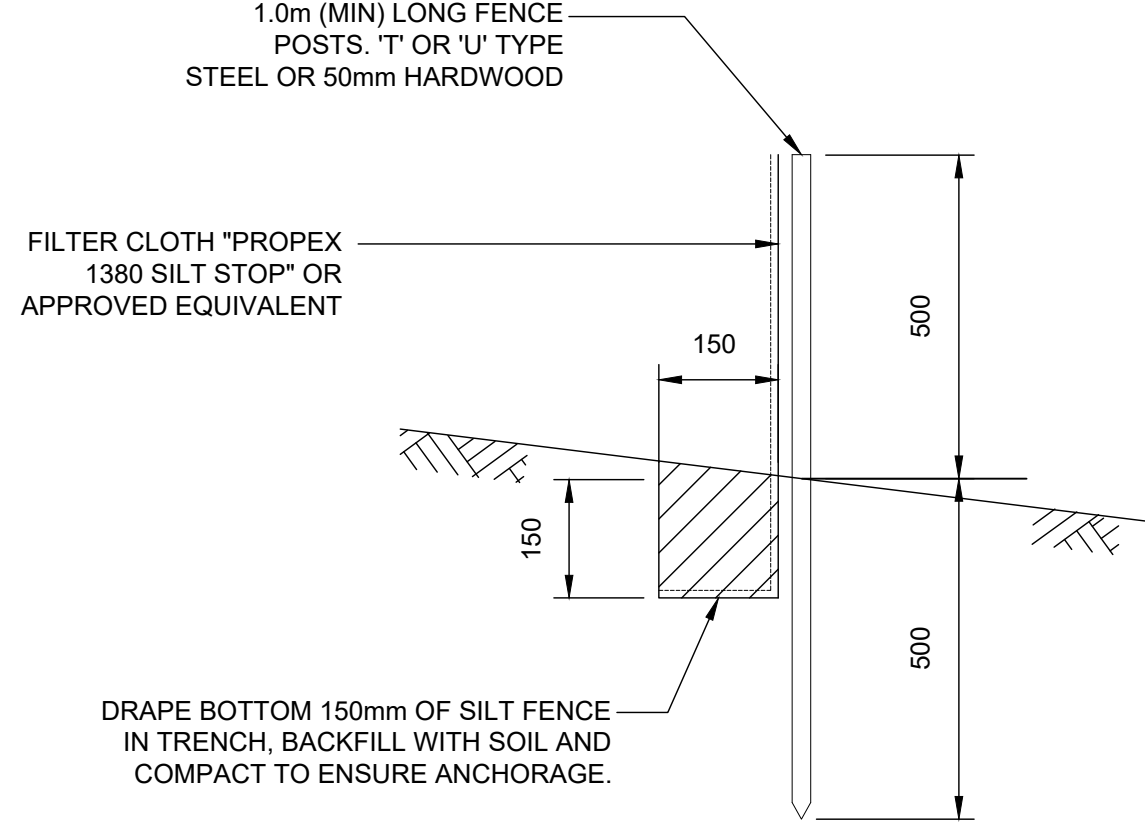
RAINWATER OUTLET DETAIL
N.T.S.



FIRST FLUSH WATER
DIVERTER DETAIL
N.T.S.



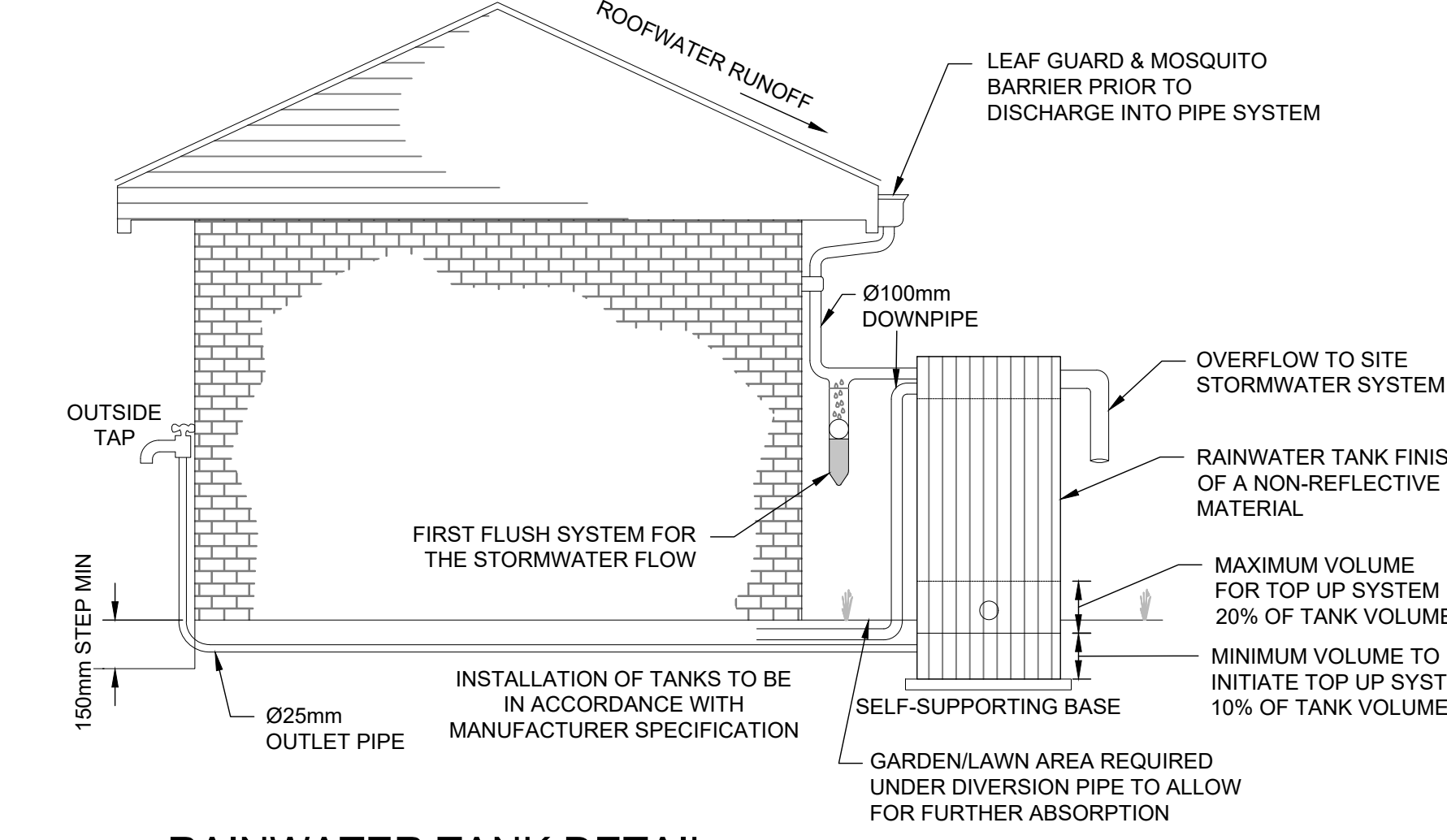
CLEANING EYE DETAIL
N.T.S.



SILT FENCE DETAIL
N.T.S.

SILT FENCE NOTES:

1. FILTER CLOTH TO BE FASTENED SECURELY TO POSTS WITH GALVANISED WIRE TIES, STAPLES OR ATTACHMENT BELTS.
2. POSTS SHOULD NOT BE SPACED MORE THAN 3.0m APART.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY 150mm AND FOLDED.
4. FOR EXTRA STRENGTH TO SILT FENCE, WOVEN WIRE (14mm GAUGE, 150mm MESH SPACING) TO BE FASTENED SECURELY BETWEEN FILTER CLOTH AND POSTS BY WIRE TIES OR STAPLES
5. INSPECTIONS SHALL BE PROVIDED ON A REGULAR BASIS, ESPECIALLY AFTER RAINFALL AND EXCESSIVE SILT DEPOSITS REMOVED WHEN 'BULGES' DEVELOP IN SILT FENCE
6. SEDIMENT FENCES SHALL BE CONSTRUCTED WITH SEDIMENT TRAPS AND EMERGENCY SPILLWAYS AT SPACINGS NO GREATER THAN 40m ON FLAT TERRAIN DECREASING TO 20m SPACINGS ON STEEP TERRAIN.



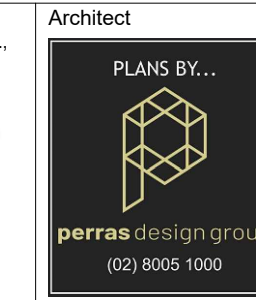
RAINWATER TANK DETAIL
N.T.S.

STORAGE TANK NOTES:

1. TANK WATER TAPS SHALL BE MARKED "RAINWATER NOT TO HUMAN CONSUMPTION".
2. RAINWATER TANKS SHALL BE CONNECTED TO MAINS WATER SUPPLY AS BACKUP.
3. THE PUMPS ARE TO BE INSULATED IN ACCORDANCE WITH COUNCIL POLICY.
4. PUMPS SHALL PROVIDE MINIMUM 150 kPa PRESSURE.
5. EACH TANK TO BE CONNECTED TO AN OUTDOOR TAP FOR IRRIGATION USE.
6. RAINWATER TANKS TO BE CLEANED OUT EVERY 6 MONTHS.
7. WATER TANK AND ASSOCIATED STRUCTURE TO BE THE SAME COLOR, OR A COLOR COMPLEMENTARY TO THE DWELLING.
8. TOP TANK TO BE BELOW TOP OF NEAREST FENCE, OR 1.8 METERS WHICHEVER IS LESS.
9. THE WATER TANK SHOULD BE LOCATED AT LEAST 900mm FROM ANY PROPERTY BOUNDARY
10. PLUMBING FROM THE WATER TANK IS TO BE KEPT SEPARATED FROM THE RETICULATED WATER SUPPLY SYSTEM.
11. TANK TO BE BUILT ON SELF-SUPPORTING BASE.
12. PROVIDE BACK-FLOW PREVENTION DEVICE AT MAINS WATER METER.
13. ROOF DRAINING TO TANK MUST NOT CONTAIN LEAD, TAR BASED PAINTS OR ASBESTOS.
14. WATER TO BE DRAWN FROM ANAEROBIC ZONE OF TANK.

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| A | ISSUE FOR DEVELOPMENT APPLICATION | 11/08/2022 | GGH | JSF | |
| Issue | Description | Date | Design | Checked | |
| 0 | 10m at full size | 10m | 20m | | |

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Project
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PROPOSED DUAL OCCUPANCY
STORMWATER CONCEPT PLANS
DEVELOPMENT APPLICATION**

| | | | | |
|---------------|--|----------------------|-----------------|------------|
| Drawing Title | MISCELLANEOUS DETAILS SHEET | | | |
| Scale | A1 As Shown | Project No. 22506 | Dwg. No. 102 | Issue A |

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