GENERAL

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE BUILDING CODE OF AUSTRALIA A.S.3500.3, COUNCILS STANDARD SPECIFICATION CODES AND THE SATISFACTION OF COUNCIL'S SUPERVISING OFFICER.
2. THIS PLAN IS TO BE READ IN CONJUNCTION WITH THE ARCHITECTURAL, LANDSCAPE AND STRUCTURAL PLANS.
3. MINIMUM GRADES FOR ALL PIPE – 1.0%.
4. DIRECT SURFACE FLOW TO ALL GRATED SURFACE INLET PITS.
5. ALL DESIGN LEVELS SHOWN ON PLAN SHALL BE VERIFIED ON SITE PRIOR TO THE COMMENCEMENT OF ANY WORK.
6. ANY DISCREPANCIES OR OMISSIONS SHALL BE REFERRED TO THE DESIGN ENGINEER FOR RESOLUTION.
7. ROOF DRAINAGE SYSTEM TO COMPLY WITH PART 3.5.2.4(d) OF BCA cl 3.5 AND APPENDIX G OF AS/NZS 3500.3:2003 PLUMBING AND DRAINAGE STANDARDS
8. STORMWATER DESIGN AND CONSTRUCTION SHOULD SATISFY BCA 3.1.2

DRAINAGE LINES

1. ALL CHARGED LINE PIPES TO BE 100Ø uPVC SEWER CLASS UNLESS SHOWN OTHERWISE
2. ALL NON–PRESSURE STORMWATER PIPES TO BE 100Ø uPVC UNLESS SHOWN OTHERWISE

GRATED DRAINS

1. ALL GRATED DRAINS TO BE MINIMUM 150 WIDE GALVANIZED HEAVY DUTY GRATES.

DOWN PIPES

1. ALL DOWN PIPES TO BE 90Ø uPVC UNLESS OTHERWISE SHOWN
2. DOWN PIPE TO BE INSTALLED NOT MORE THAN 12m INTERVALS.
3. ALL DOWN PIPES SHALL CONFORM TO AS/NZS 1866 FOR ALUMINIUM PIPES AND AS 1254, AS/NZS 1260, AS 1273, AS/NZS 1477, AS/NZS 2179.2 AND AS 2032 FOR uPVC PIPES.

GUTTERS

1. GUTTER SLOPE SHOULD BE 1:500 MINIMUM AS PER AS/NZS 3500.3–2003

BOX GUTTERS

1. ALL BOX GUTTERS SHALL COMPLY WITH AS/NZS 2179.1
2. ALL BOX GUTTERS SHALL BE CONSTRUCTED WITH A MINIMUM 1:200 GRADE TO SUMP/DOWNPIPES

RETAINING WALLS & 'AGG' LINES

1. ALL RETAINING WALLS ARE TO BE WATERPROOFED AND CONSTRUCTED WITH Ø100mm AGRICULTURAL LINES AT THE BASE AND CONNECTED TO THE NEAREST PIT IN THE COURTYARD.

SERVICES

1. NO EXCAVATION IN FOOTPATH WITHOUT CHECKING FOR DEPTH AND LOCATION OF SERVICES.

RAINWATER TANKS

1. REFER TO MANUFACTURES SPECIFICATION FOR INSTALLATION OF RAIN WATER TANK
2. THE SYSTEM TO BE DESIGNED WITH THE FOLLOWING GUIDELINES
   - A 'FIRST FLUSH' DIVERSION TO REMOVE ROOF CONTAMINANTS
   - ADEQUATE SCREENING TO PREVENT MOSQUITO BREEDING AND ENTRY OF ANIMALS OR FOREIGN MATTER
3. TANKS TO BE PLUMBED TO TOP–UP FROM THE POTABLE WATER SUPPLY DURING DRY PERIODS WHEN THE TANKS ARE 80% EMPTY.
4. NO DIRECT CROSS–CONNECTION WITH THE SYDNEY WATER POTABLE SUPPLY AND AN AIR GAP MAINTAINED ABOVE THE OVERFLOW IN THE TANK.
5. A SIGN TO BE INSTALLED STATING "NOT FOR HUMAN CONSUMPTION.
6. RAINWATER TANK TO BE CONNECTED AS PER BASIX REQUIREMENTS.
7. OVERFLOW FROM THE TANK SHALL BE PIPED TO THE DRAINAGE SYSTEM.

CHARGED DRAINAGE LINES

1. CHARGED SYSTEM FROM DOWN PIPES TO RAINWATER TANK TO COMPLY WITH AUSTRALIAN STANDARDS.
2. CHARGED SYSTEM RAISING OUT OF THE GROUND MUST BE SEALED AND PAINTED.

SILT ARRESTOR NOTES:

1. PITS TO BE CONSTRUCTED IN THE FOLLOWING MANNER\
   1.1. PRECAST
   1.2. BRICKS WITH CEMENT RENDER
2. OUTLET PIPES TO BE PLACED AT 90 DEGREES TO THE INLET PIPELINE (AS PER DETAIL)
3. INLET TO BE ABOVE THE SCREEN AND THE OUTLET TO BE BELOW THE SCREEN
4. ALL WORK TO BE TO THE SATISFACTION OF THE DIRECTOR OF TECHNICAL SERVICES
5. ORIFICE PLATES ARE NOT TO BE USED
6. FOR CONNECTION TO COUNCILS DRAINAGE SYSTEM
   6.1. CONNECTION TO BE MADE INTO TOP ONE THIRD OF COUNCIL'S PIPE AT 45 DEGREES TO FLOW
   6.2. INSPECTION TO BE MADE BY COUNCIL'S ENGINEER PRIOR TO THE SEALING OF THE JOINT

PITS

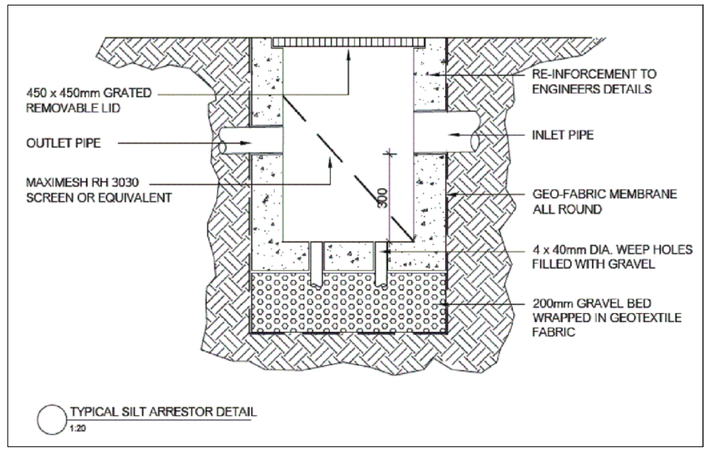
1. ALL PITS ARE TO BE BENCHED TO ALLOW SMOOTH FLOW OF WATER THROUGH PITS
2. ALL NON–TRAFFICABLE PITS TO BE LIGHT DUTY. PITS IN TRAFFICABLE AREAS TO BE HEAVY DUTY.
3. ALL PITS GREATER THAN 1.2m DEPTH SHALL INCLUDE STEP IRONS AND HAVE MINIMUM CLEAR DIMENSIONS OF 600 x 600.

www.dialbeforeyoudig.com.au

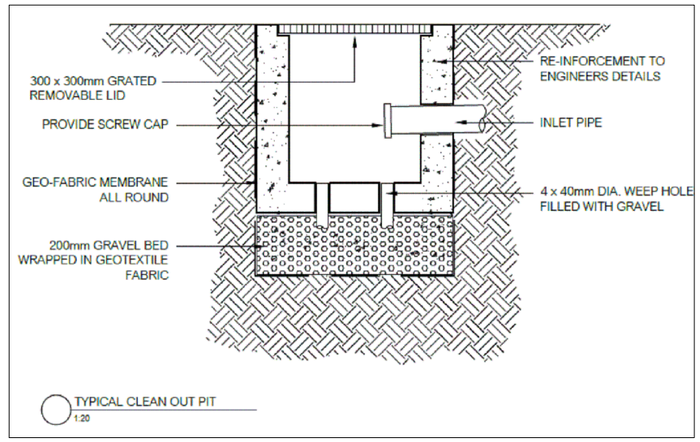
**DIAL1100**
**BEFORE YOU DIG**

LEGEND

| | |
|---|---|
| DP o | DOWN PIPE |
| DP+S o | SPREADER |
| FW ⊕ | FLOOR WASTE |
| CE – IL Ⓒ | CLEANING EYE |
| EL xx.xx – | EXISTING LEVEL |
| SL xx.xx – | PROPOSED SURFACE LEVEL |
| IL xx.xx – | PROPOSED INVERT LEVEL |
| WR xx.xx – | PROPOSED WATER RUN LEVEL |
| TK xx.xx – | TOP OF KERB LEVEL LEVEL |
| TRW xx.xx – | TOP OF RETAINING WALL |
| CHARGED LINE | |
| GRAVITY LINE | |

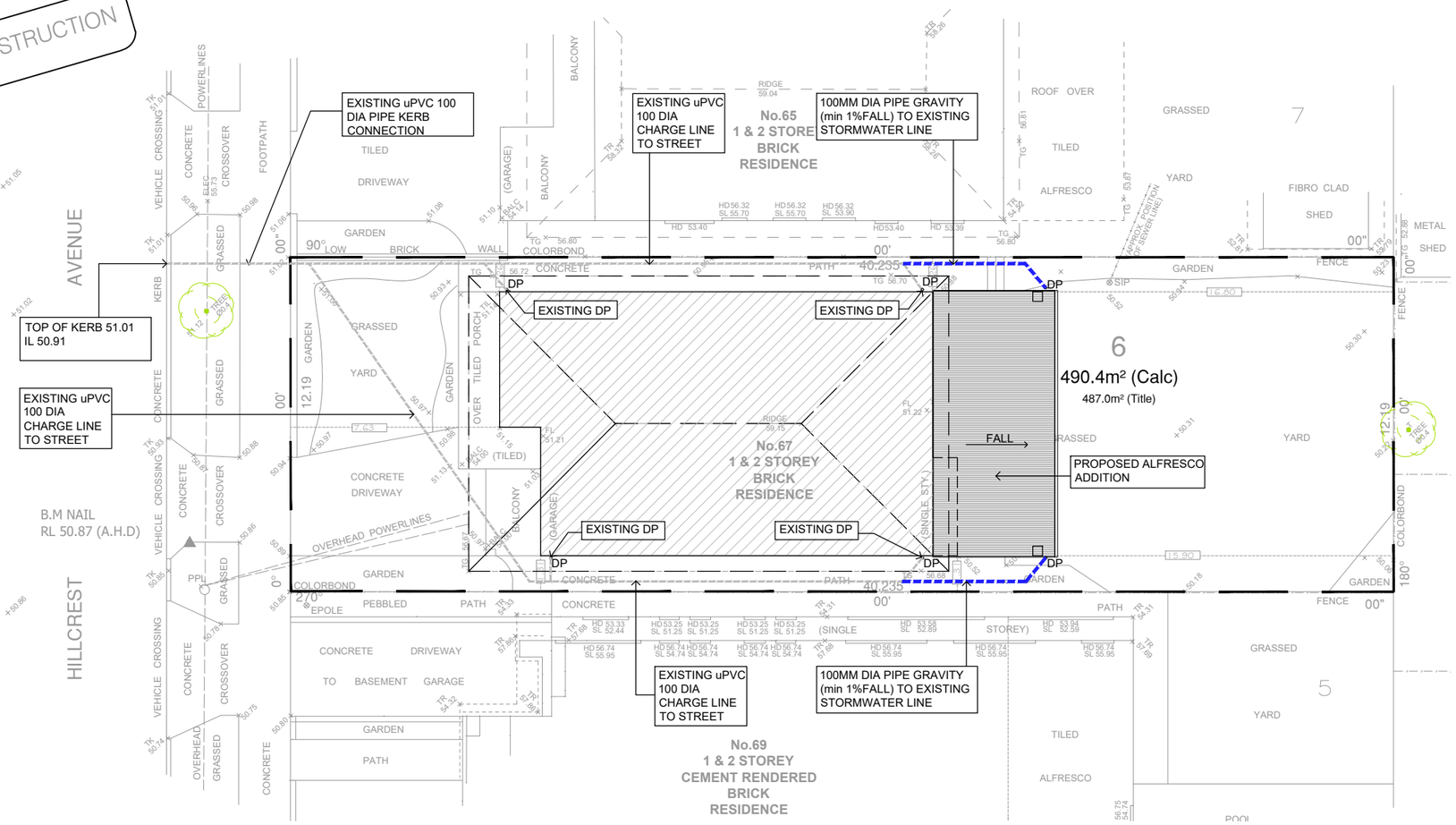



TYPICAL SILT ARRESTOR DETAIL
1:20




TYPICAL CLEAN OUT PIT
1:20

NOT FOR CONSTRUCTION




1 PROPOSED STORMWATER PLAN
SCALE 1:200

FOR DEVELOPMENT APPLICATION ISSUE ONLY


a&k engineering group
Address: 117 Waterloo Road, Greenacre, NSW, 2190
Tele: (02) 8889-4066 Mobile: 0415 199 317
Fax : (02) 9758 0744 e-mail: ank@ank.com.au
Eng. AKRAM MASRI
B.S. (CIVIL), P.GRAD., D.(STRUC.), NPER, M.I.E.Aust., CPENG
CIVIL & STRUCTURAL CONSULTANTS


| Rev: | Notes: | Date: |
|---|---|---|
| 01 | For DA Issue (alts & adds) | 25.02.25 |
| | | |
| | | |
| | | |

Project:
Proposed Alts & Adds
67 Hillcrest Avenue Greenacre NSW 2190

Client:
Ms K Krayem & Mr A Krayem

Drawing Title:
PROPOSED STORMWATER

| Drawn by / Checked by | Date: | Scale: |
|---|---|---|
| AK / AM | 15.04.24 | AS SHOWN @ A3 |

| Job No. | Dwg No. | Rev. |
|---|---|---|
| 048/24 | 001 OF 01 SHEETS | 01 |