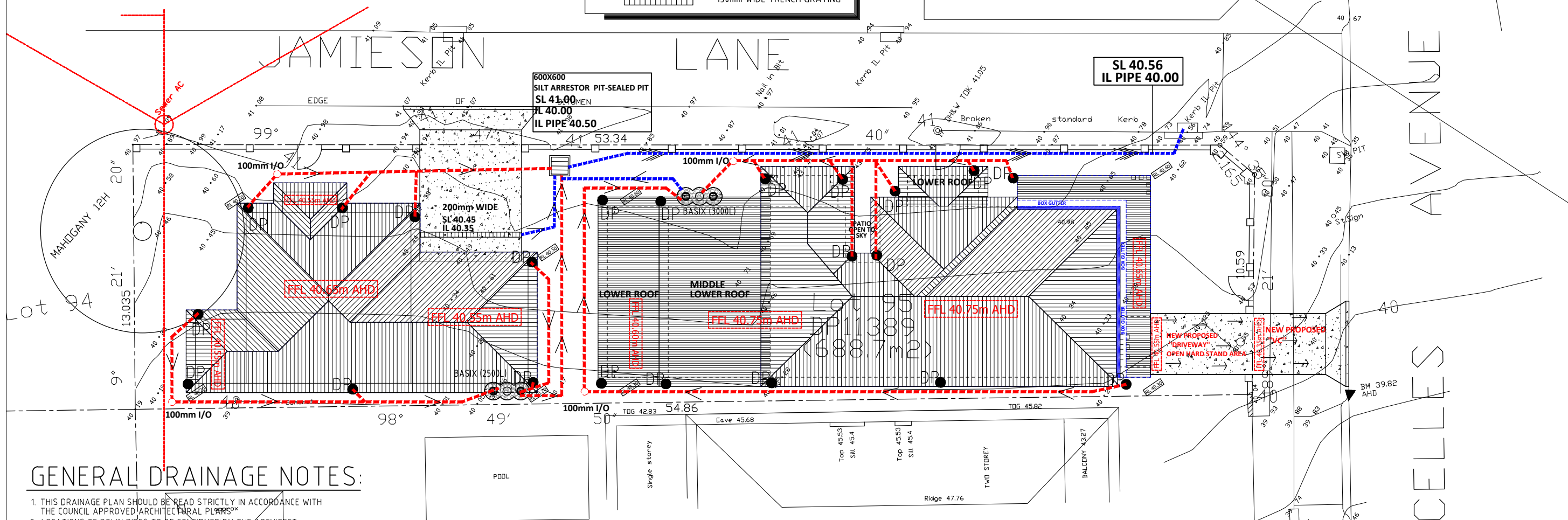
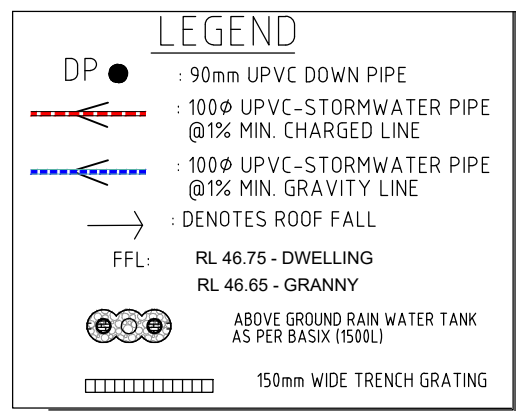


CALCULATIONS
SITE AREA = 688.70 m² (By Calculation)
PROPOSED PERVIOUS/ IMPERVIOUS AREAS:
PROPOSED PERVIOUS AREA = 307.17 m²
PROPOSED IMPERVIOUS AREA = 381.53 m² i.e. 53.39% < 66%
=> OSD is not required.

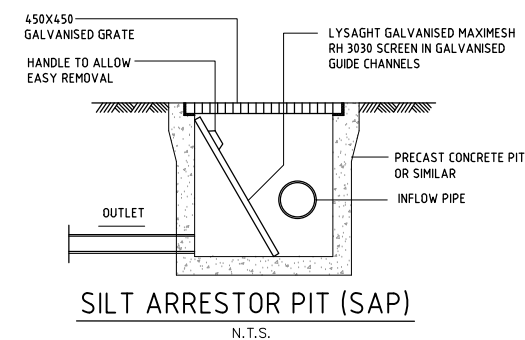


GENERAL DRAINAGE NOTES:

1. THIS DRAINAGE PLAN SHOULD BE READ STRICTLY IN ACCORDANCE WITH THE COUNCIL APPROVED ARCHITECTURAL PLANS.
2. LOCATIONS OF DOWN PIPES TO BE CONFIRMED BY THE ARCHITECT.
3. DEPTH AND LOCATION OF SERVICES TO BE ESTABLISHED PRIOR TO COMMENCEMENT OF DRAINAGE WORKS.
4. ALL GUTTERS TO BE MIN STRAMIT 115 QUAD OR EQUIVALENT
5. ALL BALCONIES TO HAVE FLOOR WASTE CONNECTED TO DOWNPIPE
6. ALL DRAINAGE PIPES ARE TO BE UPVC GRADE, UNLESS NOTED OTHERWISE.
7. THE MINIMUM COVER OVER ALL DRAINAGE PIPES IS TO BE 150mm.
8. ALL DRAINAGE PIPES ARE TO HAVE A MINIMUM PIPE GRADIENT OF 1 %
9. ALL DRAINAGE PITS ARE TO BE INSTALLED WITH A CHILD PROOF SAFETY LATCH ON THE ACCESS GRATE.
10. ALL DOWNPIPES ARE TO BE 100mm Dia. UPVC PIPES UNLESS NOTED OTHERWISE
11. ALL PITS TO BE CONSTRUCTED ARE SHOWN IN REINFORCED CONCRETE. THE EXISTENCE AND THE LEGAL ASPECTS OF ANY EASEMENTS AND CONSTRUCTION AND TO THE SAME LEVELS ARE ACCEPTABLE.
12. IT IS THE RESPONSIBILITY OF OWNER TO CHECK AND ENSURE THE EXISTENCE OF ANY DRAINAGE PIPES AND OTHER SERVICES ON SITE PRIOR TO CONSTRUCTION ALL LEVELS MUST BE VERIFIED ON SITE START FROM THE MOST DOWNSTREAM POINT
13. IT IS THE RESPONSIBILITY OF THE BUILDER TO CHECK AND ENSURE THE EXISTENCE OF ANY DRAINAGE PIPES AND OTHER SERVICES ON SITE PRIOR TO CONSTRUCTION ALL LEVELS MUST BE VERIFIED ON SITE START FROM THE MOST DOWNSTREAM POINT

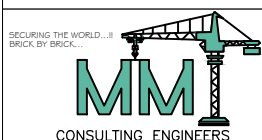
STORM WATER PLANS

SCALE 1: 100



SILT ARRESTOR PIT (SAP)

N.T.S.



HYDRAULICS, STRUCTURES, ARCHITECTURE, BUILDING INSPECTIONS, PLANNING, BCA REPORTS, COMPLIANCE REPORTS, FLOOD RISK MANAGEMENT, SYD WATER CO-ORDINATION, ESTIMATION, PRE & POST CONSTRUCTION PROJECT MANAGEMENT, QA/QC, PM CONSTRUCTION.
: mk@mmconsultingengineers.com.au
: 0406-756-950 ; ACN: 627 098 088

CHECK ALL DIMENSIONS, WINDOWS AND SETBACKS ON SITE BEFORE COMMENCING. REPORT ANY DISCREPANCIES TO DESIGNER FOR DECISION BEFORE PROCEEDING WITH WORK.
COPYING IT OR ITS ATTACHMENTS IS A BREACH OF THE "COPYRIGHT ACT".



PROPOSED :
PROPERTY ADDRESS:
40-LASCALLE AVENUE,
GREENACRE NSW

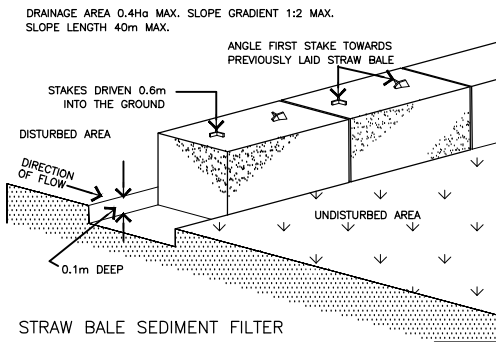
A3 A3-1:200

LGA : CB CITY COUNCIL
DESIGNER: MM CONSULTING ENGINEERS

AMENDMENTS		
ISSUE	AMENDMENT	DATE
A	FOR DA	DEC-20
B	FOR S-4.55	FEB-21
C		
D		

Date 01/02/2023
STORMWATER PLAN
SHEET - STW-1/2

SEDIMENTATION CONTROL MEASURES & TYPICAL DETAILS TO BE FOLLOWED ON SITE



WARNING \$1500 FINE .

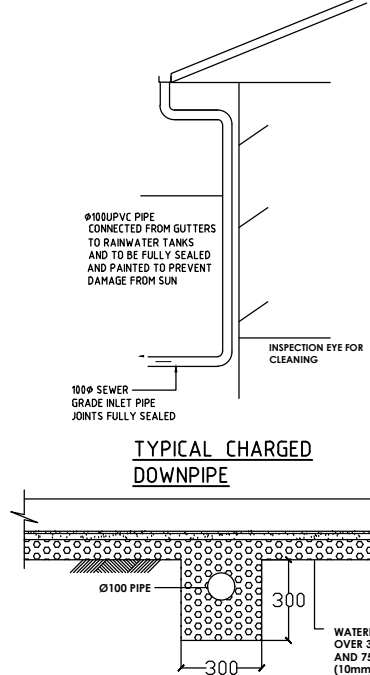
**IT IS ILLEGAL TO ALLOW SOIL ,
CEMENT SLURRY OR OTHER
BUILDING MATERIALS TO BE
PUMPED , DRAINED OR ALLOWED
TO ENTER THE STORMWATER SYSTEM .**



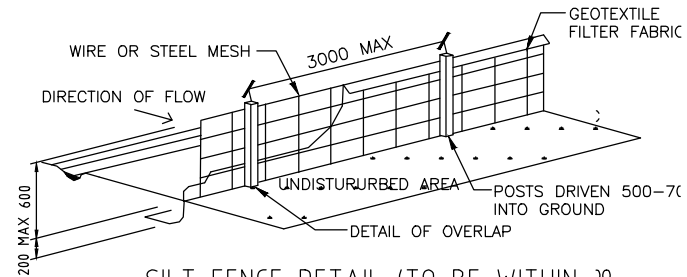
PROVIDE VISIBLE WARNING SIGNAGE AT ALL RAINWATER TANK OUTLETS (e.g. GARDEN HOSE TAP) IN ACCORDANCE WITH SYDNEY WATER REQUIREMENTS & AS1319

RAIN WATER TANK NOTES:

1. TANK WATER TAPS SHALL BE MARKED "RAINWATER NOT TO BE USED FOR HUMAN CONSUMPTION".
2. MINIMUM TANK SIZE 2000 LITRES OR AS PER BASIX.
3. RAINWATER TANK SHALL BE CONNECTED TO MAIN WATER SUPPLY AS BACKUP.
4. THE PUMPS ARE TO BE INSTALLED IN ACCORDANCE WITH COUNCIL POLICY.
5. TANK TO BE CONNECTED TO ALL TOILETS FOR TOILET FLUSHING, TO THE COLD WATER TAPS THAT SUPPLIES EACH WASHING MACHINE FOR CLOTHES WASHING & OUT DOOR TAPS FOR IRRIGATION USE.
6. RAINWATER TANKS TO BE CLEANED OUT EVERY 6 MONTHS.
7. WATER TANK AND ASSOCIATED STRUCTURE TO BE THE SAME COLOUR, OR A COLOUR COMPLEMENTARY TO THE DWELLING.
8. TOP OF TANK TO BE BELOW TOP OF NEAREST FENCE, OR 2.1 METRES, WHICH EVER IS LESSER.
9. THE WATER TANK SHOULD BE LOCATED AT LEAST 450mm FROM ANY PROPERTY BOUNDARY.
10. PLUMBING FROM THE WATER TANK IS TO BE KEPT SEPARATE 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 AND ASBESTOS.
14. WATER TO BE DRAWN FROM ANAEROBIC ZONE OF TANK.



TYPICAL SECTION THROUGH SUBSOIL HARD PIPE
SCALE 1:20

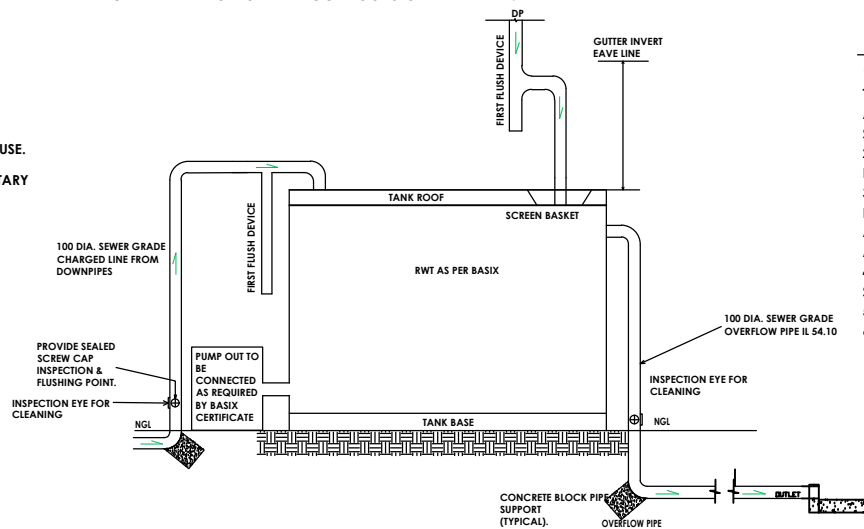


SILT FENCE DETAIL (TO BE WITHIN
THE PROPERTY BOUNDARY-DURING
CONSTRUCTION ONLY)

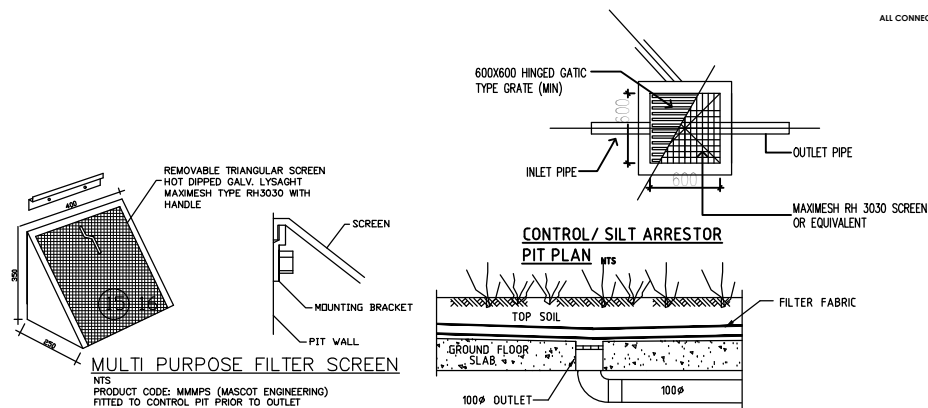
NOT TO SCALE

SILT FENCES

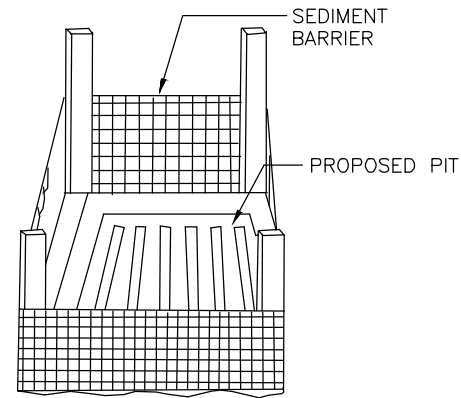
- FILTERS SILT FROM LOW TO MEDIUM FLOWS OF SURFACE WATER ON GENTLY SLOPING OR STEEP UNEVEN TERRAIN .
- CONSIST OF A FILTER FABRIC ('GEOTEXTILE FILLER') , ATTACHED TO A STEEL WIRE OR CABLE , WHICH IS SUPPORTED ON 900mm LONG STEEL OR WOODEN POSTS AT 2.5-3m CENTRES .
- THE LOWER END OF THE FABRIC IS EMBEDDED INTO THE GROUND , AS SHOWN IN FIGURE 1 .
- GENERALLY FOLLOW THE CONTOURS OF THE LAND .



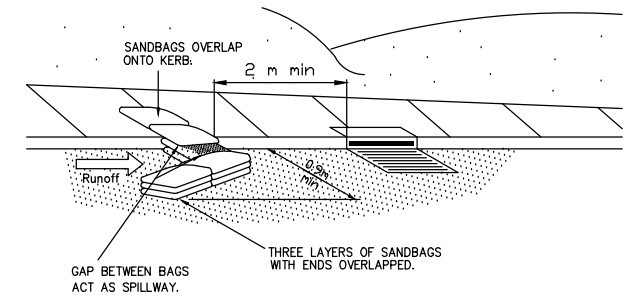
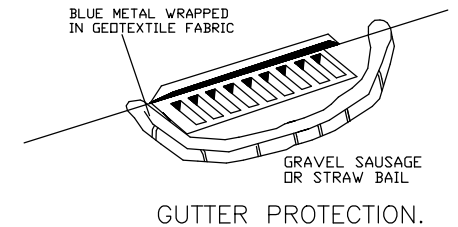
TYPICAL TANK 1 DETAIL
NTS



TYPICAL LANDSCAPING AREA FLOOR WASTE DETAIL
SCALE 1:20

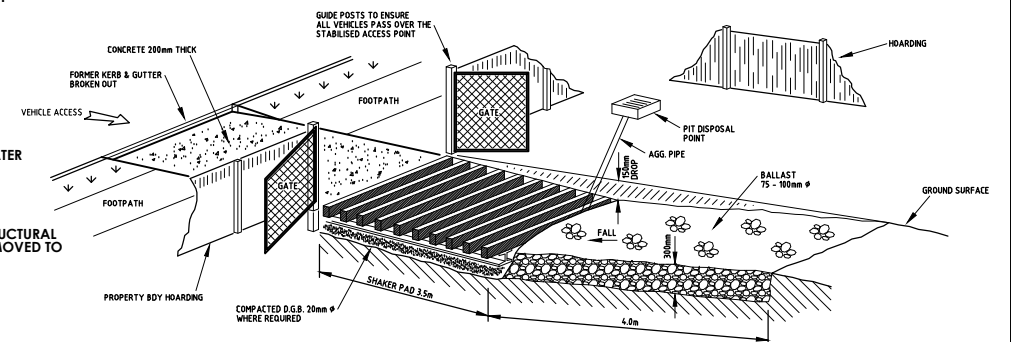


SEDIMENT BARRIER AROUND
STORMWATER PIT (DURING
CONSTRUCTION)



EROSION CONTROL NOTES:

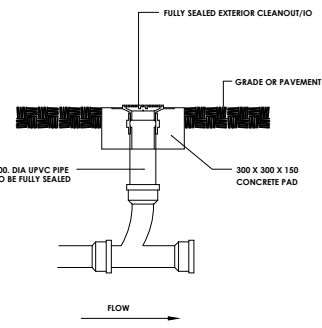
1. ALL EROSION AND SEDIMENT CONTROL MEASURES TO BE INSTALLED PRIOR TO SITE DISTURBANCE AND TO BE INSPECTED AND MAINTAINED DAILY BY SITE MANAGER.
2. STRIPPING OF GRASS AND VEGETATION ETC. FROM SITE SHALL BE KEPT TO A MINIMUM.
3. TOPSOIL FROM ALL AREAS THAT WILL BE DISTURBED TO BE STRIPPED AND STOCKPILED AND TO BE KEPT CLEAR FROM DRAINS, GUTTERS AND FOOTPATHS.
4. DRAINAGE IS TO BE CONNECTED TO STORMWATER SYSTEM AS SOON AS POSSIBLE.
5. ROADS AND FOOTPATH TO BE SWEEPED DAILY
6. ALL SEDIMENT CONTROL STRUCTURES TO BE INSPECTED AFTER EACH RAINFALL EVENT FOR STRUCTURAL DAMAGE AND ALL TRAPPED SEDIMENT TO BE REMOVED TO



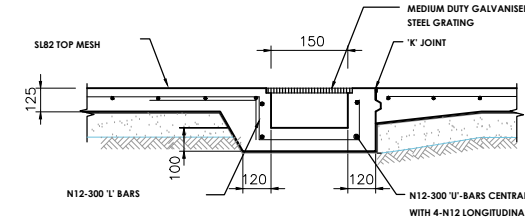
TEMPORARY CONSTRUCTION EXIT
(TYPE 2)
NTS

SILTATION MANAGEMENT PROCEDURE

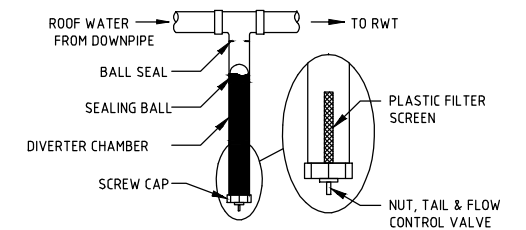
1. ERECT SILT FENCE & GRAVEL DRAIN
2. DEMOLISH EXISTING BUILDING
3. EXCAVATE BASEMENT AND PLACE TEMPORARY PUMP-OUT SEDIMENT PIT
4. FINISH CONSTRUCTION
5. SILT FENCE AND GRAVEL DRAIN ARE NOT TO BE REMOVED UNTIL CONSTRUCTION IS COMPLETE AND GARDEN HAS BEEN FULLY RE-VEGETATED.



TYPICAL INSPECTION I/O



GRATED DRAIN DETAIL



FIRST FLUSH DEVICE
NOT TO SCALE