

EROSION SEDIMENT CONTROL PLAN

FOR PENRITH COUNCIL

PROPERTY:

54 TYRONE PLACE, ERSKINE PARK

NEW SIGNAGE



IDEA@ACTION

EROSION AND SEDIMENT CONTROL PLAN

GENERAL NOTES

1. THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN IN THIS PLAN ARE CONCEPT MEASURES ONLY AND IT IS THE RESPONSIBILITY OF THE SITE SUPERINTENDENT TO ENSURE THAT ALL CONSTRUCTION WORKS PROCEED IN ACCORDANCE WITH THE RELEVANT CODES INCLUDING 'MANAGING URBAN STORMWATER - SOILS AND CONSTRUCTION, VOLUME 1' (THE BLUE BOOK, LANDCOM, 2004) AND THE LOCAL COUNCIL'S EROSION CONTROL POLICY AND THE DEVELOPMENT CONSENT IRRESPECTIVE OF THE MEASURES SHOWN IN THIS PLAN.
2. ALL SUBCONTRACTORS WILL BE INFORMED OF THEIR RESPONSIBILITIES IN REDUCING THE POTENTIAL FOR SOIL EROSION AND POLLUTION TO DOWNSLOPE AREAS.
3. THIS SOIL AND WATER MANAGEMENT PLAN IS TO BE READ IN CONJUNCTION WITH OTHER ENGINEERING PLANS RELATING TO THIS DEVELOPMENT.

LAND DISTURBANCE NOTES

1. DISTURBANCE TO BE LIMITED TO 2 METRES MINIMUM AND 5 METRES MAXIMUM FROM ESSENTIAL WORKS.
2. ACCESS TO THE SITE TO BE LIMITED TO A SINGLE LOCATION WHICH IS CLEARLY MARKED AND FENCED AS REQUIRED.
3. ENTRY TO LAND NOT AFFECTED BY ESSENTIAL WORKS TO NOT BE PERMITTED AND BE SUITABLY PROTECTED BY BARRIER FENCING AS REQUIRED.
4. WORKS ARE TO GENERALLY PROCEED IN THE FOLLOWING SEQUENCE:
 - A. INSTALL ALL BARRIER AND SEDIMENT FENCING WHERE SHOWN ON THE PLAN.
 - B. CONSTRUCT THE STABILISED SITE ACCESS.
 - C. CONSTRUCT DIVERSION DRAINS AS REQUIRED.
 - D. INSTALL MESH AND GRAVEL INLETS FOR ANY ADJACENT KERN INLETS.
 - E. CLEAR SITE AND STRIP AND STOCKPILE TOPSOIL IN LOCATIONS SHOWN ON PLAN.
 - F. UNDERTAKE ALL ESSENTIAL CONSTRUCTION WORKS ENSURING THAT ROOF AND/OR PAVED AREA STORMWATER SYSTEMS ARE CONNECTED TO PERMANENT DRAINAGE AS SOON AS POSSIBLE.
 - G. GRADE LOT AREAS TO FINAL GRADES AND APPLY PERMANENT STABILISATION (LANDSCAPING) WITHIN 20 DAYS OF COMPLETION OF CONSTRUCTION WORKS.
 - H. REMOVE TEMPORARY EROSION CONTROL MEASURES AFTER THE PERMANENT LANDSCAPING HAS BEEN COMPLETED.
1. REVIEW, REPAIR, UPGRADE OR ADD EROSION CONTROL MEASURES WEEKLY AND AFTER EVERY STORM EVENT.
5. ON COMPLETION OF MAJOR WORKS LEAVE DISTURBED AREAS WITH A SCARIFIED SURFACE TO ENCOURAGE WATER INFILTRATION AND ASSIST WITH KEYING TOPSOIL LATER.

INSPECTION AND MAINTENANCE NOTES

1. SITE SUPERINTENDENT TO INSPECT SITE WEEKLY AND AFTER EVERY STORM EVENT FOR:
 - I. EROSION CONTROL MEASURES IN WORKING ORDER.
 - II. ASSESS AND REMOVE SEDIMENT ACCUMULATION.
 - III. DISTURBED/REHABILITATED AREAS HAVE ADEQUATE GROUND COVER.
 - IV. ASSESS EFFECTIVENESS AND INSTALL ADDITIONAL EROSION/SEDIMENT CONTROL MEASURES AS REQUIRED.

SEDIMENT CONTROL NOTES

1. INSTALL SEDIMENT FENCES AS SHOWN ON PLAN AND/OR WHERE REQUIRED AS DETERMINED BY SITE SUPERINTENDENT.
2. SEDIMENT FENCES TO HAVE MAXIMUM CATCHMENT AREA OF 800 SQUARE METRES AND MINIMUM STORAGE DEPTH OF 600mm.
3. DO NOT PLACE STOCKPILES OR DISTURB LAND WITHIN 5 METRES OF AREAS SUBJECT TO HIGH VELOCITY CONCENTRATED OVERLAND FLOW.
4. EARTH BATTERS TO HAVE MINIMUM PRACTICABLE GRADIENT.

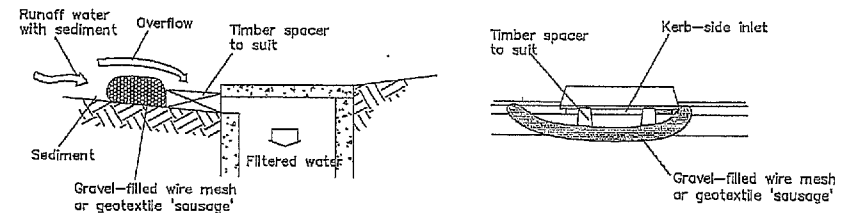
REHABILITATION NOTES

1. STOCKPILES TO HAVE MINIMUM GROUND COVER OF 60% WITHIN 10 WORKING DAYS OF PLACEMENT.
2. ALL DISTURBED LAND TO HAVE MINIMUM GROUND COVER OF 50% WITHIN 20 WORKING DAYS OF EXPOSURE.
3. FOR DISTURBED LAND SUBJECT TO SHEET FLOW USE TEMPORARY GROUND COVER SPECIES SUCH AS JAPANESE MILLET AND OATS AT 20 kg/ha.
4. EARTH BATTERS WILL BE CONSTRUCTED WITH AS LOW A GRADIENT AS PRACTICABLE BUT NO STEEPER, UNLESS OTHERWISE NOTED, THAN:
 - A. 2(H) : 1(V) WHERE SLOPE LENGTH LESS THAN 12 m.
 - B. 2.5(H) : 1(V) WHERE SLOPE LENGTH BETWEEN 12 AND 16 m.
 - C. 3(H) : 1(V) WHERE SLOPE LENGTH BETWEEN 16 AND 20 m.
 - D. 4(H) : 1 (V) WHERE SLOPE LENGTH GREATER THAN 20m.
5. ALL WATERWAYS, DRAINS, SPILLWAYS AND OUTLETS TO BE CONSTRUCTED TO BE STABLE UP TO 20 YEAR ARI EVENT.
6. REVEGETATION SHOULD BE AIMED AT ESTABLISHING NATURAL SPECIES. NATURAL SOIL SURFACES SHOULD BE REPLACED AND NON-PERSISTANT ANNUAL COVER CROPS SHOULD BE USED.

WASTE CONTROL NOTES

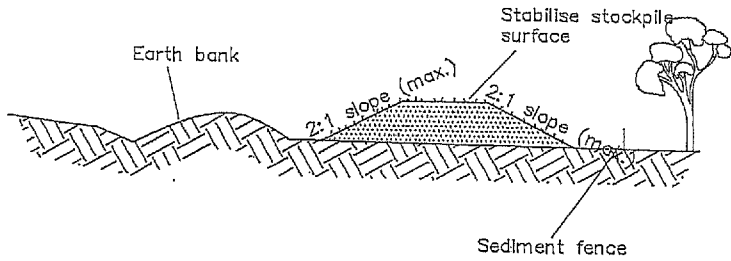
1. PROVIDE WATERTIGHT CHEMICAL RESISTANT RECEPTACLES FOR LIQUID WASTE DISPOSAL SUCH AS CONCRETE AND MORTAR SLURRIES, ACIDS AND PAINTS. ALSO PROVIDE GENERAL WASTE RECEPTACLES.
2. WASTE REMOVAL SERVICES TO BE PROVIDED AT LEAST WEEKLY.
3. ALL WASTE TO BE PLACED WITHIN CONTAINMENT BUNDS OR FENCING TO PREVENT POLLUTION RUNOFF.
4. PROVIDE VEHICLE WASHDOWN AND MAINTENANCE AREA CONTAINED WITHIN SUITABLE BUNDS/FENCING.
5. ALL SITE STAFF AND SUB-CONTRACTORS ARE TO BE INFORMED OF THEIR OBLIGATION TO USE WASTE CONTROL FACILITIES.

PLACE GRAVEL SAUSAGE AROUND THE NEAREST DOWNSTREAM COUNCIL STORMWATER PIT IN CRAIG AVENUE.

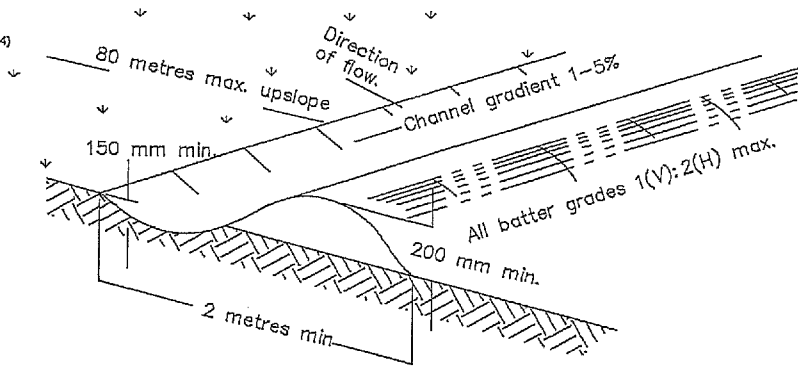


GRAVEL AND MESH INLET FILTER

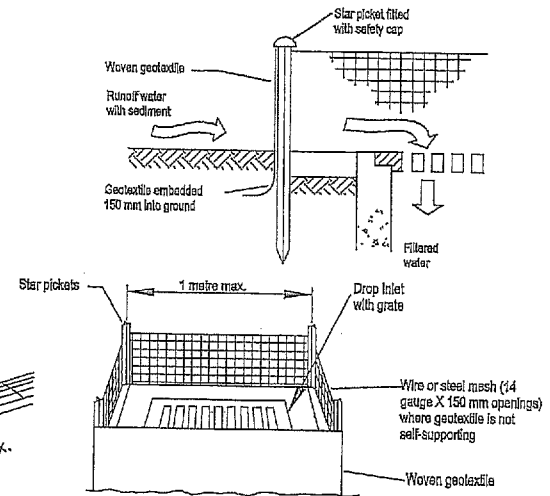
(SOURCE: 'SOILS AND CONSTRUCTION', LANDCOM, 2004)



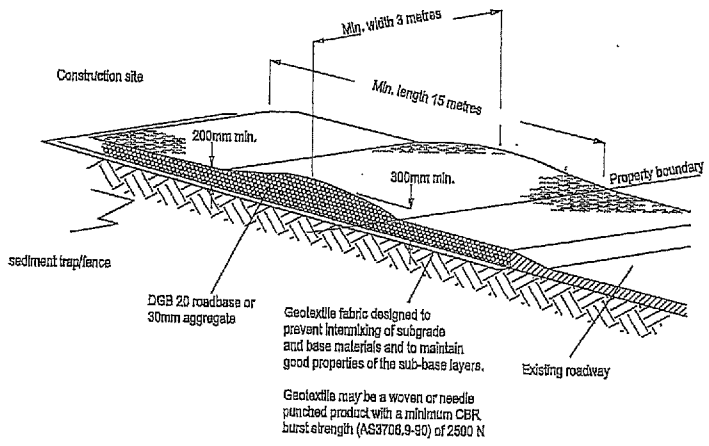
TYPICAL STOCKPILE DETAIL
(SOURCE: "SOILS AND CONSTRUCTION", LANDCOM, 2004)



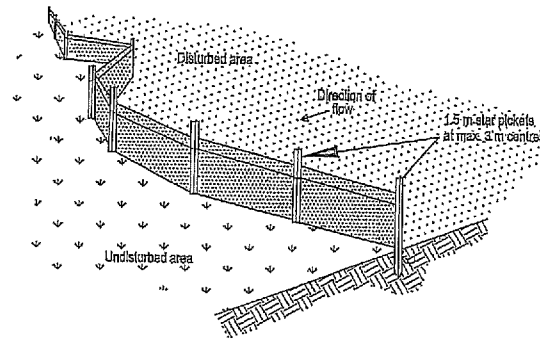
TYPICAL DIVERSION DRAIN
(SOURCE: "SOILS AND CONSTRUCTION", LANDCOM, 2004)



DETAIL PIT PROTECTION
(SOURCE: "SOILS AND CONSTRUCTION", LANDCOM, 2004)



DETAIL - STABILISED SITE ACCESS
(SOURCE: "SOILS AND CONSTRUCTION", LANDCOM, 2004)



DETAIL - SEDIMENT FENCING
(SOURCE: "SOILS AND CONSTRUCTION", LANDCOM, 2004)

