

- STAR PICKETS -

FILTERED WATER

GEOTEXTILE FILTER PIT SURROUND (SD 6-12)

STAKE DRIVEN 600mm INTO THE

☐ GRATE AS SPECIFIED

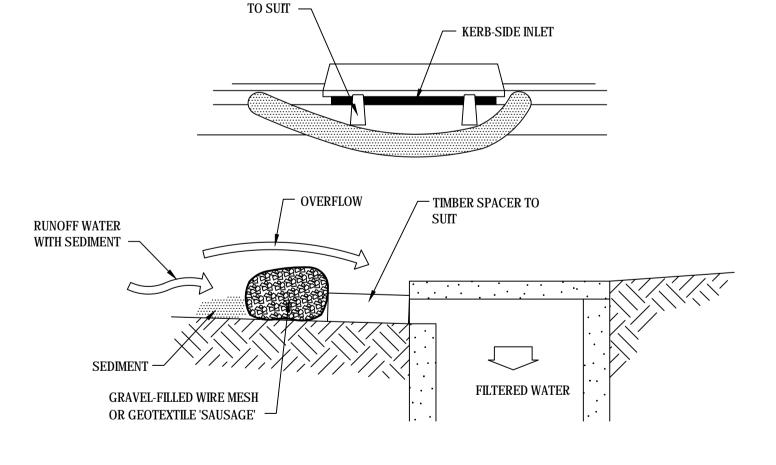
GEOTEXTILE FILTER

RUNOFF WATER WITH

GEOTEXTILE

FILTER FABRIC

SEDIMENT

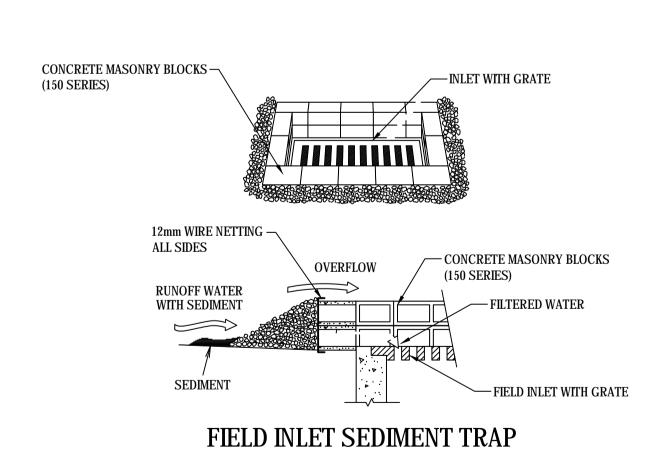


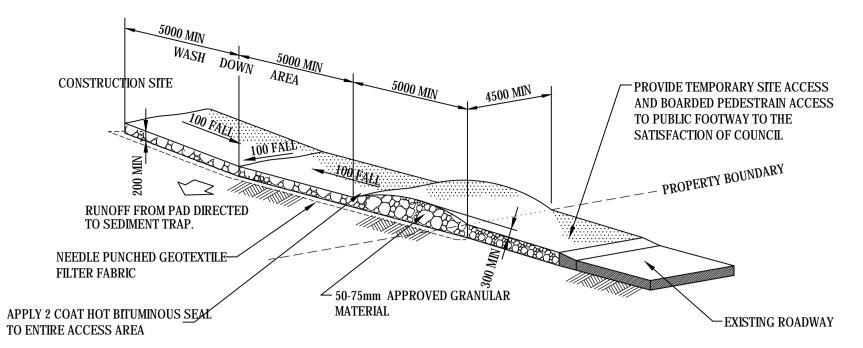
SEDIMENT FENCE (SD 6-8)

TIMBER SPACER

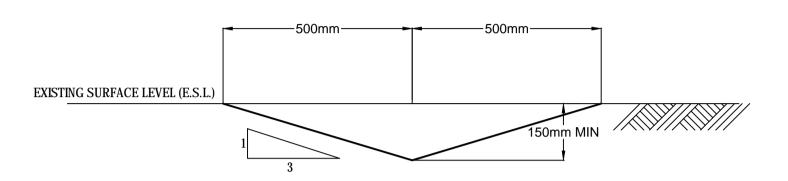


Date

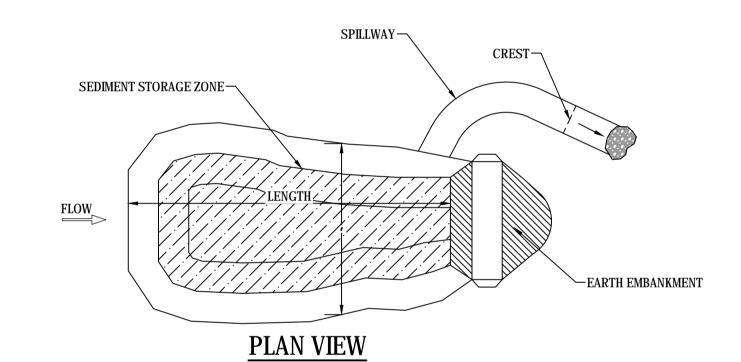


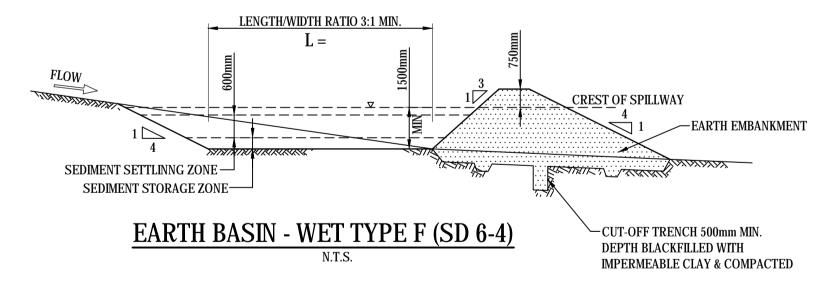


# STABILISED SITE ACCESS AND TRUCK WASH DOWN AREA (SD 6-14)



# TEMPORARY CATCH DRAIN (MIN FALL 1%)





### BASIN CONSTRUCTION NOTES:

WITH THE RISER CREST.

- 1. REMOVE ALL VEGETATION AND TOPSOIL FROM BASIN AREA. 2. CONSTRUCT A CUT-OFF TRENCH 500mm DEEP AND 1200mm WIDE ALONG THE CENTRELINE OF THE EMBANKMENT EXTENDING TO A POINT ON THE GULLY WALL LEVEL
- 3. MAINTAIN THE TRENCH FREE OF WATER AND RECOMPACT THE MATERIALS WITH
- EQUIPMENT SPECIFIED IN THE SWMP TO 95% STANDARD PROCTOR DENSITY 4. SELECT FILL ACCORDING TO THE DIRECTIONS OF THE SWMP THAT IS FREE OF ROOTS.
- WOOD, ROCK, LARGE STONE OF FOREIGN MATERIAL. 5. PREPARE THE SITE UNDER THE EMBANKMENT BY RIPPING AT LEAST 100mm DEEP TO
- HELP BOND COMPACTED FILL TO EXISTING SUBSTRATE.
- 6. SPREAD FILL IN 100mm TO 1500mm LAYERS AND COMPACT AT OPTIMUM MOISTURE CONTENT.
- CONSTRUCT EMERGENCY SPILLWAY.
- 8. PLACE A "FULL OF SEDIMENT" MARKER TO SHOW WHEN LESS THAN DESIGN CAPACITY
- OCCURS AND SEDIMENT REMOVAL IS REQUIRED. 9. SPILLWAY MAXIMUM BATTER SLOPE SHALL BE 4(H): 1(V)

#### QD Project **BRICKWORKS** PLANT2 UPGRADE Designed QD

Title

# **EROSION AND SEDIMENT CONTROL NOTES**

#### GENERAL INSTRUCTIONS

- 1. THE SITE SUPERINTENDENT/ENGINEER WILL ENSURE THAT ALL SOIL AND WATER MANAGEMENT WORKS ARE LOCATED AS DOCUMENTED.
- 2. ALL WORK SHALL BE GENERALLY CARRIED OUT IN ACCORDANCE WITH a. LOCAL AUTHORITY REQUIREMENTS
- b. EPA REQUIREMENTS c. NSW DEPARTMENT OF HOUSING MANUAL "MANAGING URBANS

STORMWATER, SOILS AND CONSTRUCTION", 4th EDITION, MARCH 2004

- 3. MAINTAIN THE EROSION CONTROL DEVICES TO THE SATISFACTION
- 4. WHEN STORMWATER PITS ARE CONSTRUCTED, PREVENT SITE RUNOFF
- 5. CONTRACTOR IS TO ENSURE ALL EROSION & SEDIMENT CONTROL EFFECTIVELY. REPAIRS AND OR MAINTENANCE SHALL BE UNDERTAKEN AS REQUIRED, PARTICULARLY FOLLOWING STORM EVENTS.

#### LAND DISTURBANCE

6. WHERE PRACTICAL, THE SOIL EROSION HAZARD ON THE SITE WILL BE KEPT AS LOW AS POSSIBLE. TO THIS END, WORKS SHOULD BE UNDERTAKEN IN THE FOLLOWING SEQUENCE:

- (A) INSTALL A SEDIMENT FENCE ALONG THE BOUNDARIES AS SHOWN ON PLAN. REFER DETAIL.
- (B) CONSTRUCT STABILISED CONSTRUCTION ENTRANCE TO LOCATION AS DETERMINED BY SUPERINTENDENT/ENGINEER. REFER
- (C) INSTALL SEDIMENT TRAPS AS SHOWN ON PLAN.
- (D) UNDERTAKE SITE DEVELOPMENT WORKS IN ACCORDANCE WITH THE ENGINEERING PLANS. WHERE POSSIBLE, PHASE DEVELOPMENT SO THAT LAND DISTURBANCE IS CONFINED TO AREAS OF WORKABLE SIZE.

#### **EROSION CONTROL**

- 7. DURING WINDY WEATHER, LARGE, UNPROTECTED AREAS WILL BE KEPT MOIST (NOT WET) BY SPRINKLING WITH WATER TO KEEP DUST UNDER CONTROL
- 8. FINAL SITE LANDSCAPING WILL BE UNDERTAKEN AS SOON AS POSSIBLE AND WITHIN 20 WORKING DAYS FROM COMPLETION OF CONSTRUCTION ACTIVITIES.

### SEDIMENT CONTROL

- 9. STOCKPILES WILL NOT BE LOCATED WITHIN 2 METRES OF HAZARD AREAS, INCLUDING LIKELY AREAS OF CONCENTRATED OR HIGH VELOCITY FLOWS SUCH AS WATERWAYS. WHERE THEY ARE BETWEEN MEASURES SHOULD BE TAKEN TO MINIMISE POSSIBLE POLLUTION TO DOWNSLOPE WATERS, E.G. THROUGH INSTALLATION OF SEDIMENT FENCING.
- 10. ANY SAND USED IN THE CONCRETE CURING PROCESS (SPREAD OVER THE SURFACE) WILL BE REMOVED AS SOON AS POSSIBLE AND WITHIN 10 WORKING DAYS FROM PLACEMENT.
- 11. WATER WILL BE PREVENTED FROM ENTERING THE PERMANENT DRAINAGE SYSTEM UNLESS IT IS RELATIVELY SEDIMENT FREE. I.E. THE CATCHMENT AREA HAS BEEN PERMANENTLY LANDSCAPED AND/OR ANY LIKELY SEDIMENT HAS BEEN FILTERED THROUGH AN APPROVED STRUCTURE.
- 12. TEMPORARY SOIL AND WATER MANAGEMENT STRUCTURES WILL BE REMOVED ONLY AFTER THE LANDS THEY ARE PROTECTING ARE REHABILITATED.

### OTHER MATTERS

- 13. ACCEPTABLE RECEPTORS WILL BE PROVIDED FOR CONCRETE AND MORTAR SLURRIES, PAINTS, ACID WASHINGS, LIGHT-WEIGHT WASTE MATERIALS AND LITTER.
- 14. ANY EXISTING TREES WHICH FORM PART OF THE FINAL LANDSCAPING
- PLAN WILL BE PROTECTED FROM CONSTRUCTION ACTIVITIES BY:

(A) PROTECTING THEM WITH BARRIER FENCING OR SIMILAR

MATERIALS INSTALLED OUTSIDE THE DRIP LINE

#### (B) ENSURING THAT NOTHING IS NAILED TO THEM

- (C) PROHIBITING PAVING, GRADING, SEDIMENT WASH OR PLACING OF STOCKPILES WITHIN THE DRIP LINE EXCEPT UNDER THE FOLLOWING CONDITIONS.
- (I) ENCROACHMENT ONLY OCCURS ON ONE SIDE AND NO CLOSER TO THE TRUNK THAN EITHER 1.5 METRES OR HALF THE DISTANCE BETWEEN THE OUTER EDGE OF THE DRIP LINE AND THE TRUNK, WHICH EVER IS THE GREATER
- (II) A DRAINAGE SYSTEM THAT ALLOWS AIR AND WATER TO CIRCULATE THROUGH THE ROOT ZONE (E.G. A GRAVEL BED) IS PLACED UNDER ALL FILL LAYERS OF MORE THAN 300 MILLIMETRES DEPTH
- (III) CARE IS TAKEN NOT TO CUT ROOTS UNNECESSARILY NOR TO COMPACT THE SOIL AROUND THEM.

Bar Scales ISSUED FOR INFORMATION 07-07-20

Description

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**BRICKWORKS** 

Client

AS SHOWN Checked MGA SH Height Approved SH AHD

780 WALLGROVE ROAD HORSLEY PARK

**CONCEPT EROSION** AND SEDIMENT

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NOT TO BE USED FOR CONSTRUCTION Drawing No. Project No. C076 18-577

Civil Engineers and Project Managers

CONTROL DETAILS & NOTES Date Plotted: 7 Jul 2020 - 04:02PM File Name: F:\18-577 Brickworks Plant 2\Drgs\Civil\Fina\DA\C076.dwg

