- STABILISED SITE EGRESS AND INGRESS IS TO BE CONSTRUCTED (AS PER SD.6-14).
- ALL ESC MANAGEMENT MEASURE FOR DOWNSTREAM AND OUTLETING RECEIVERS ARE TO BE CONSTRUCTED PRIOR TO OTHER RECOMMENDED ESC WORKS. THIS INCLUDES SEDIMENT CONTROL FENCES (SEE SD.6-15).
- CLEAN-WATER DIVERSION /DRAINS ARE TO BE CONSTRUCTED FOLLOWED BY DIRTY-WATER DRAINS/DIVERSIONS (WHERE REQ.). SILT TRAPS AND CHECK DAMS ARE TO THEN BE INSTALLED.
- ALL DISTURBED AREAS U.N.O. ARE TO BE STABILISED WITH TOPSOIL REPLACEMENT AND GRASS SEEDING AS PER SD.7-1. ALTERNATIVE MEASURES IN AREAS OF HIGH SHEET FLOW AND DRAINAGE CHANNELS SHALL BE SPRAYED BONDED FIBRE MATRIX WITH SEED WHICH IS TO INCLUDE SUFFICIENT BINDING AGENT / TACKIFIER TO ACHIEVE A COVER FACTOR OF 0.05. THIS INCLUDES EARTHEN BUNDS AND ANY BARK OR SOIL SLOPE BREAKS (IF EMPLOYED). ALTERNATIVE METHOD IS THE INSTALLATION OF TURF STRIPS LAID PERPENDICULAR TO THE DIRECTION OF FLOW.
- THE AREAS OF DISTURBANCE SHOULD BE RESTRICTED FROM ACCESS AND TRAFFICKING EXCEPT FOR MAINTENANCE AND INSPECTION UNTIL REVEGETATION IS ACHIEVED.
- THE SITE AND ESC MEASURES ARE TO BE MONITORED AND MAINTAINED UNTIL FULL REVEGETATION IS ACHIEVED (GRASS COVERAGE GREATER THAN 70%).
- FOLLOWING FULL REVEGETATION, TEMPORARY ESC MEASURES (SED.FENCES, BUNDS, SILT TRAPS, PIT INLET FILTERS, ETC.) MAY BE REMOVED AND DISPOSED OF APPROPRIATELY.
- UP-SLOPE AREAS DRAINING INTO SITE ARE TO BE DIVERTED AWAY OR AROUND SITE BY CLEAN-WATER CHANNELS (SANDBAGS OR EQUIV., WHERE REQUIRED).

STATEMENT OF SOIL MANAGEMENT

- 1. ALL TOPSOIL IS TO BE STOCKPILED AT LOCATIONS DESIGNATED WITHIN THE PLAN, OR AT LOCATION COORDINATED BETWEEN THE SITE SUPERINTENDENT AND DESIGN ENGINEER.
- 2. ALL FORMED CUT & FILL EMBANKMENTS ARE TO BE STABILISED AND SEEDED WITHIN 7 DAYS OF FINAL TRIMMING.
- 3. AREAS OF DISTURBANCE INCLUDING FILL WORKS ARE TO BE TOP-SOILED, STABILISED AND SEEDED PRIOR TO COMPLETION OF WORKS. AREAS UNABLE TO BE STABILISED WITHIN 2 MONTHS MUST BE TEMPORARILY RE-VEGETATED WITHIN 7 DAYS OF CLREARING WORKS
- 4. AREAS THAT FAIL TO ESTABLISH ARE TO HAVE DEFICIENCIES IN SOIL / WATERING REGIME / SEED SELECTION ADDRESSED AND RE-SOWN IMMEDIATELY.
- 5. SOIL SURFACES ARE TO BE SCARIFIED TO MIN. 100mm DEPTH PRIOR TO R-ESEEDING.
- 6. TEMPORARY RE-VEGETATION INCLUDING SELECTED SPECIES AND MIX IS TO COMPLY WITH COUNCIL SPECIFICATIONS.
- 10. THE SITE SUPERINTENDENT AND CONTRACTORS ARE TO REGULARLY LIAISE WITH THE DESIGN ENGINEER TO COORDINATE RE-VEGETATION.
- 11. ALL KERB INLET AND SURFACE INLET PITS ARE TO BE PROVIDED WITH SEDIMENT FILTER BARRIERS (e.g. STRAW BALES, SANDBAGS).
- 12. BERMS ARE TO BE CONSTRUCTED UPSTREAM OF CUT & FILL EMBANKMENTS TO PREVENT RUN-ON. BERMS ARE TO BE MAINTAINED AND PROGRESS WITH THE ADVANCEMENT OF EXCAVATION WORKS.
- 13. EXCAVATION FOR DRAINAGE LINES/DRAINS IS TO BE TOP-SOILED, LINED AND SEEDED IMMEDIATELY AFTER INSTALLATION.
- 14. THE SITE SUPERINTENDENT AND CONTRACTORS ARE RESPONSIBLE FOR IMPLEMENTING DUST CONTROL AND MITIGATING WIND EROSION. SOIL TACKIFIER'S (EPA APPROVED) OR WATER-SPRAYING ARE TO BE EMPLOYED AS REQUIRED TO ALL AREAS OF DISTURBANCE, INCLUDING STOCKPILES. APPLICATION RATES ARE TO BE TO MANUFACTURE'S SPECIFICATION.
- 15. VEHICULAR AND MACHINERY ACCESS IS TO BE DESIGNATED BY PARAWEBBING FENCING TO LIMIT SITE DISTURBANCE AND DIRECT TRAFFIC TO STABILIZED ACCESS POINTS.
- 16. THE SITE-SUPERINTENDENT AND CONTRACTORS ARE RESPONSIBLE FOR THE CORRECT INSTALLATION AND MAINTENANCE OF CONTROL DEVICES, INCLUDING DISPOSAL OF ACCUMULATED MATERIAL.

MAINTENANCE PROCEDURES

- 1. ALL SEDIMENT AND EROSION CONTROL MEASURES ARE TO BE MONITORED AND MAINTAINED AT ALL TIMES TO ENSURE THEY ARE FULLY FUNCTIONAL AND OPERATIONAL DURING THE PERIOD OF WORKS. THIS INCLUDES NON-ACTIVE PERIODS DURING THE CONSTRUCTION PHASE INCLUDING HOLIDAYS, LEAVE OR PERIODS OF DELAY.
- 2. MATERIAL ACCUMULATED DURING THE OPERATION OF THE CONTROL MEASURES ARE TO BE RE-SPREAD AND STABILISED WITHIN THE SITE, OR PLACED IN MANAGED STOCKPILES.

SITE STABILISATION AND REHABILITATION GUIDELINES

- IMPLEMENTATION OF ESC MEASURES AND PERMANENT SITE STABILISATION (C-FACTOR <0.1; EQUIV. TO 60% GRASS COVERAGE) IS TO BE ACHIEVED WITHIN 10-DAYS OF COMPLETION OF WORKS.
- ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO REMAIN IN-PLACE REHABILITATION IS ACHIEVED ACROSS THE WHOLE SITE (C-FACTOR <0.05; EQUIV. TO 70% GRASS COVERAGE).

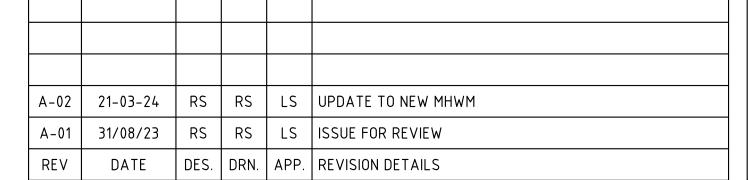
WEATHER & FORECAST MONITORING

- THE SITE SUPERINTENDENT AND CONTRACTORS ARE RESPONSIBLE FOR MONITORING WEATHER AND FORECASTS FOR THE SITE
- A MANAGEMENT REGIME IS TO BE IMPLEMENTED PRIOR TO THE COMMENCEMENT OF WORKS TO ENSURE SITE STABILISATION CAN OCCUR WITHIN A 24HR PERIOD PRIOR TO RAINFALL AND/OR WIND EVENTS.
- DISTURBED LANDS MUST NOT HAVE A C-FACTOR OF >0.1 (EQUIVALENT TO 60% GRASS COVERAGE) UNLESS A 3-DAY FORECAST INDICATES RAIN TO BE UNLIKELY. WHERE FORECASTS PROVE TO BE INCORRECT, THE MANAGEMENT REGIME IS TO BE ENACTED TO ACHIEVE SITE STABILISATION TO A C-FACTOR OF 0.1 WITHIN 24HRS.

REFERENCES - E.S.C.

TYPICAL DRAWINGS AND ULTIMATE GUIDANCE ON IMPLEMENTATION OF EROSION AND SEDIMENT CONTROLS, PLEASE REFER FIRST TO 'THE BLUE BOOK' (LANDCOM 2004) AND SECONDLY TO 'A ESC FIELD GUIDE FOR CONSTRUCTION SITE MANAGERS' (CREEKS & CATCHMENTS 2012).

ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.





75 TO M.H.W.M

PROJECT DESCRIPTION	SHEET
PROPOSED RESIDENTIAL ALTS & ADS	EROSION & SEDIMENT CONTROL PLAN
PROJECT SITE	PLAN
5 STURDEE LANE ELVINA BAY NSW	EROSION & SEDIMENT CONTROL PLAN
LGA	CLIENT
NORTHERN BEACHES COUNCIL	BRUCE GRAY

EXISTING STABILISED TIMBER DECK

AND STONE FOOTPATH

3041-ES 1:250 @ A 1:125 @ A SHEET NO. 1 of 2

SEDIMENT FENCING TO BE INSTALLED AT

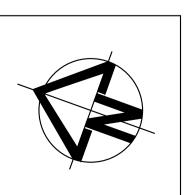
SD.6-15

PROVIDE BARRIER FENCE AND GATE TO

RESTRICT ACCESS

PRIMARY ACCESS VIA TIMBER JETTY

SPECIFIED DOWNSLOPE LOCATIONS AS PER



EXISTING RESIDENCE

75 MHWM BY TITLE

SD.6-15.

SUGGESTED WASTE STORAGE LOCATION

SUGGESTED AMENITIES LOCATION

SEDIMENT FENCING TO BE INSTALLED AT

SPECIFIED DOWNSLOPE LOCATIONS AS PER-

PROPOSED ALTERATIONS & ADDITIONS

SUGGESTED STOCKPILE LOCATION

CONSTRUCTION

TRAFFIC TO BE

RESTRICTED FROM

SURROUNDING AREA TO LIMIT AREA OF

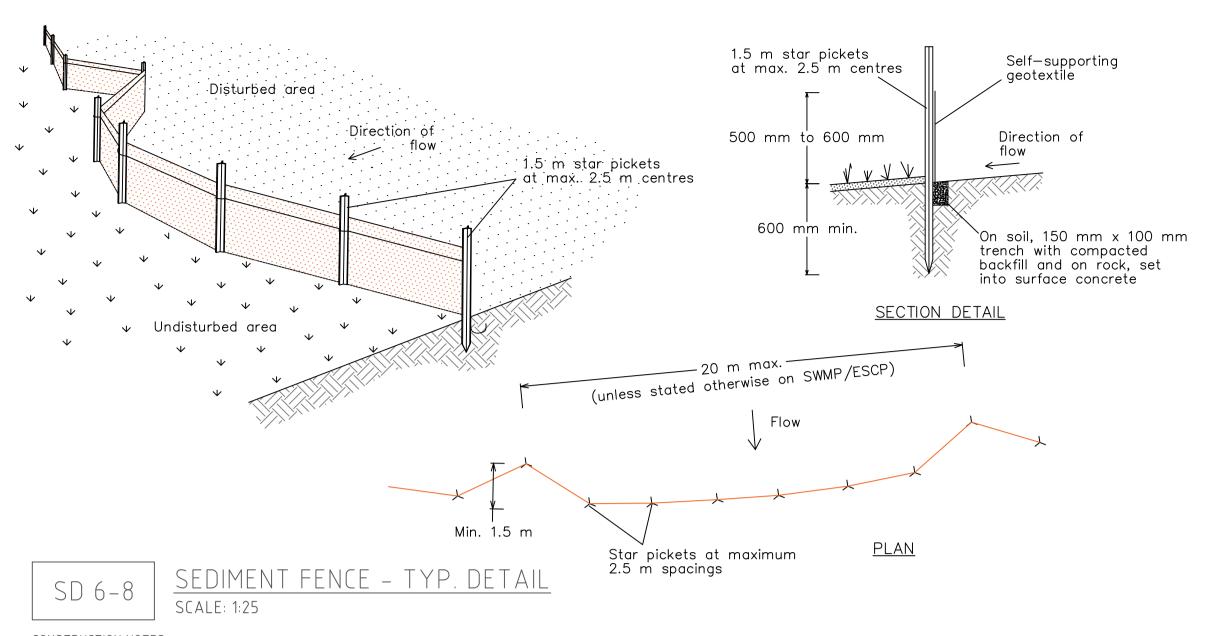
DISTURBANCE

CONSTRUCTION TRAFFIC TO BE

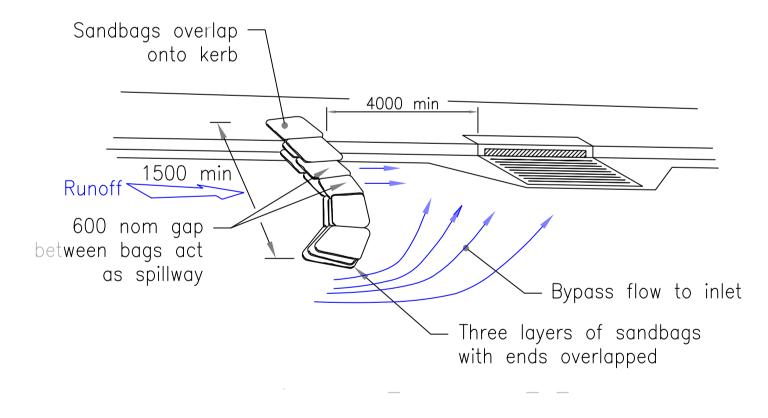
RESTRICTED FROM SURROUNDING AREA

TO LIMIT AREA OF

DISTURBANCE



- 1. CONSTRUCT SEDIMENT FENCES PARALLEL TO CONTOUR (OR AS CLOSE AS POSSIBLE), WITH SMALL RETURNS AS DETAILED TO LIMIT CATCHMENT AREA TO ANY ONE SECTION OF FENCE RUN.
- CATCHMENT AREA TO A SINGLE RUN IS TO BE 50 L/s FOR THE 10% AEP STORM EVENT. 2. CUT 105mm DEEP TRENCH ALONG THE UPSLOPE LINE OF THE FENCE FOR THE BOTTOM OF THE FABRIC TO BE ENTRENCHED.
- 3. DRIVE 1.5m LONG STAR-PICKETS INTO THE GROUND AT 2.5m (MAX.) INTERVALS AT THE DOWNSLOPE EDGE OF THE TRENCH. ALL STAR PICKETS TO BE FITTED WITH SAFETY CAPS.
- 4. FIX SELF-SUPPORTING GEOTEXTILE TO THE UPSLOPE SIDE OF THE POSTS ENSURING IT GOES TO THE BASE OF THE TRENCH. FIX THE GEOTEXTILE WITH WIRE-TIES (OR PER MANUFACTURE'S SPEC.). ONLY USE GEOTEXTILE SPECIFIED FOR SEDIMENT FENCE USE.
- 5. JOIN SECTIONS OF FABRIC AT A SUPPORT POST WITH 150mm OVERLAP.
- 6. BACK FILL TRENCH OVER THE BASE OF THE FABRIC AND COMPACT IT THOROUGHLY OVER THE GEOTEXTILE.

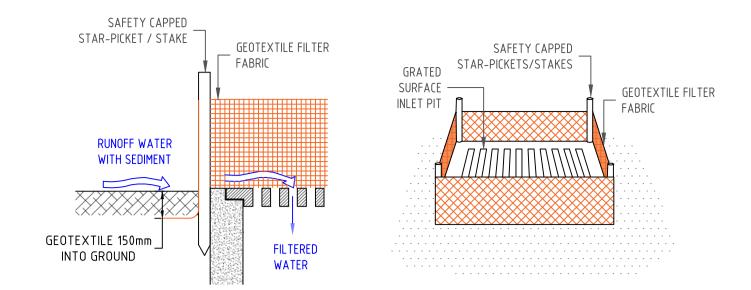


SD A-22 KERB INLET PIT SAND SEDIMENT TRAP - TYP. DETAIL → SCALE: 1:100

ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.

	A-02	21-03-24	RS	RS	LS	UPDATE TO NEW MHWM
	A-01	31/08/23	RS	RS	LS	ISSUE FOR REVIEW
	REV	DATE	DES.	DRN.	APP.	REVISION DETAILS

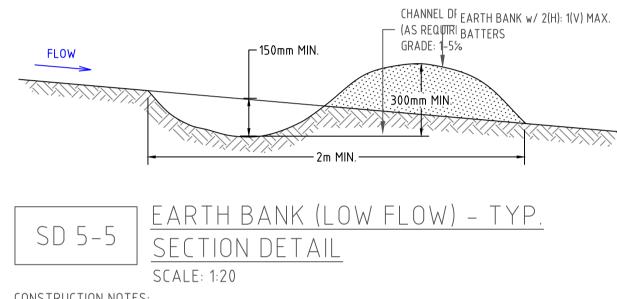




GEOTEXTILE INLET FILTER (SURFACE INLET PIT) -SD 6-12 TYP. SECTION DETAIL

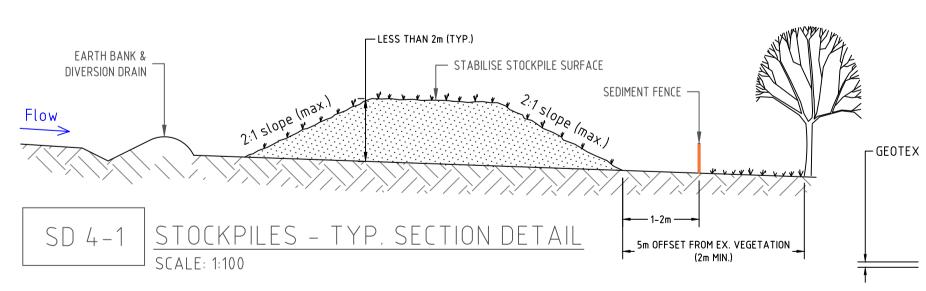
SCALE: 1:20

- 1. FABRICATE A SEDIMENT BARRIER MADE FROM GEOTEXTILE FOLLOWING SD 6-8 WITH REDUCED PICKET SPACING OF 1m
- 2. WHERE GEOTEXTILE IS NOT SELF-SUPPORTING, WRAP WIRE MESH (14-GAUGE x 150mm OPENINGS) WITH THE GEOTEXTILE FABRIC.
- 3. DO NOT COVER THE INLET WITH GEOTEXTILE UNLESS THE DESIGN IS ADEQUATE TO ALLOW FOR ALL WATER TO BYPASS THE PIT.



CONSTRUCTION NOTES: 1. BUILD WITH GRADIENT BETWEEN 1-5%.

- 2. AVOID REMOVING TREES & SHRUBS WHERE POSSIBLE DIRECT DRAIN AROUND.
- 3. ENSURE STRUCTURES ARE FREE OF PROJECTIONS OR OTHER IRREGULARITIES THAT COULD IMPEDE WATER FLOW.
- 4. BUILD THE DRAIN WITH A CIRCULAR, PARABOLIC, OR TRAPEZOIDAL CROSS-SECTION (NOT 'V'
- SHAPED). 5. COMPACT BANKS ON CONSTRUCTION TO PREVENT FAILURE.
- 6. COMPLETE PERMANENT OR TEMPORARY STABILISATION WITHIN 10-DAYS OF CONSTRUCTION.
- 7. WHERE UPSLOPE LENGTH IS ≥ 80m, THIS CONFIGURATION IS TO BE USED AS A TEMPORARY



CONSTRUCTION NOTES

- 1. PLACE STOCKPILES MORE THAN 2m (PREFERABLY 5m) FROM EXISTING VEGETATION, CONCENTRATED WATER FLOWS, ROADS, AND HAZARD AREAS.
- 2. CONSTRUCT STOCKPILES ON THE CONTOUR AS LOW, FLAT, AND ELONGATED MOUNDS. 3. WHERE SPACE PERMITS, MAINTAIN STOCKPILE HEIGHTS AT LESS THAN 2m.
- 4. WHERE STOCKPILE DURATION IS GREATER THAN 10-DAYS, STABILISE STOCKPILE FOLLOWING APPROVED ESCP / SWMP TO
- REDUCE THE C-FACTOR TO < 0.10.
- 5. CONSTRUCT EARTH (SD 5-5) UPSLOPE OF STOCKPILES, AND SEDIMENT FENCING (SD 6-8) 1-2m DOWNSLOPE.

PROJECT DESCRIPTION	SHEET
PROPOSED RESIDENTIAL ALTS & ADS	E.S.C. TYPICAL DETAILS
PROJECT SITE	PLAN
5 STURDEE LANE ELVINA BAY NSW	EROSION & SEDIMENT CONTROL PLAN
LGA	CLIENT
NORTHERN BEACHES COUNCIL	BRUCE GRAY

