

EXISTING SERVICES LEGEND

	EXISTING SEWER
	EXISTING GAS
	EXISTING ELECTRICITY
	EXISTING ELECTRICITY (OH)
	EXISTING STORMWATER
	EXISTING COMMS
	EXISTING TELSTRA
	EXISTING WATER
	EXISTING SEWER MANHOLE
	EXISTING SEWER INSPECTION
	EXISTING GAS METER
	EXISTING ELECTRICAL PIT
	EXISTING ELECTRICAL CABLE MARKER
	EXISTING LIGHT POLE
	EXISTING POWER POLE
	EXISTING GRATED DRAIN
	EXISTING STORMWATER MANHOLE
	EXISTING STORMWATER GRATE
	EXISTING STORMWATER PIT
	EXISTING TELSTRA PIT
	EXISTING WATER METER
	EXISTING WATER VALVE
	EXISTING WATER TAP
	EXISTING WATER HYDRANT
	EXISTING WATER STOP VALVE

CIVIL LEGEND

	INDICATIVE DIRECTION OF FALL
	FINISHED FLOOR LEVEL
	FINISHED SURFACE LEVEL
	GRATED DRAIN AND TYPE
	STORMWATER DRAINAGE HEADWALL (REFER STORMWATER DRAINAGE STRUCTURES/PIT SCHEDULE)
	STORMWATER DRAINAGE STRUCTURE WITH NUMBER (REFER STORMWATER DRAINAGE STRUCTURES/PIT SCHEDULE)
	STORMWATER DRAINAGE LINE
	PROPOSED RETAINING WALL

SOIL EROSION AND SEDIMENT CONTROL LEGEND

	SEDIMENT FENCE
	WRAP INLET GRATE IN FILTER FABRIC. PROVIDE AT ALL EXISTING SURFACE STORMWATER PITS, RAINWATER OUTLETS AND TRENCH DRAINS.
	SAND BAG SEDIMENT TRAP
	STABILISED CONSTRUCTION EXIT
	ROCK CHECK DAM
	CLEAN WATER CUT OFF DRAIN
	LEVEL SPREADER
	SEDIMENT BASIN
	TEMPORARY STOCKPILE WITH SEDIMENT FENCE SURROUND



Issue	Description	Date	Drawn	Approved
B	ISSUE FOR DA	30.07.24	JK	GL
A	ISSUE FOR 30% DESIGN	10.07.24	DW	RT

North

Scale

Client

PRINT IN COLOUR

Architect

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Project

WARRINGAH RECREATION CENTRE

KENTWELL RD AT PITTWATER RD, NORTH MANLY
Lot 2742 DP 752038

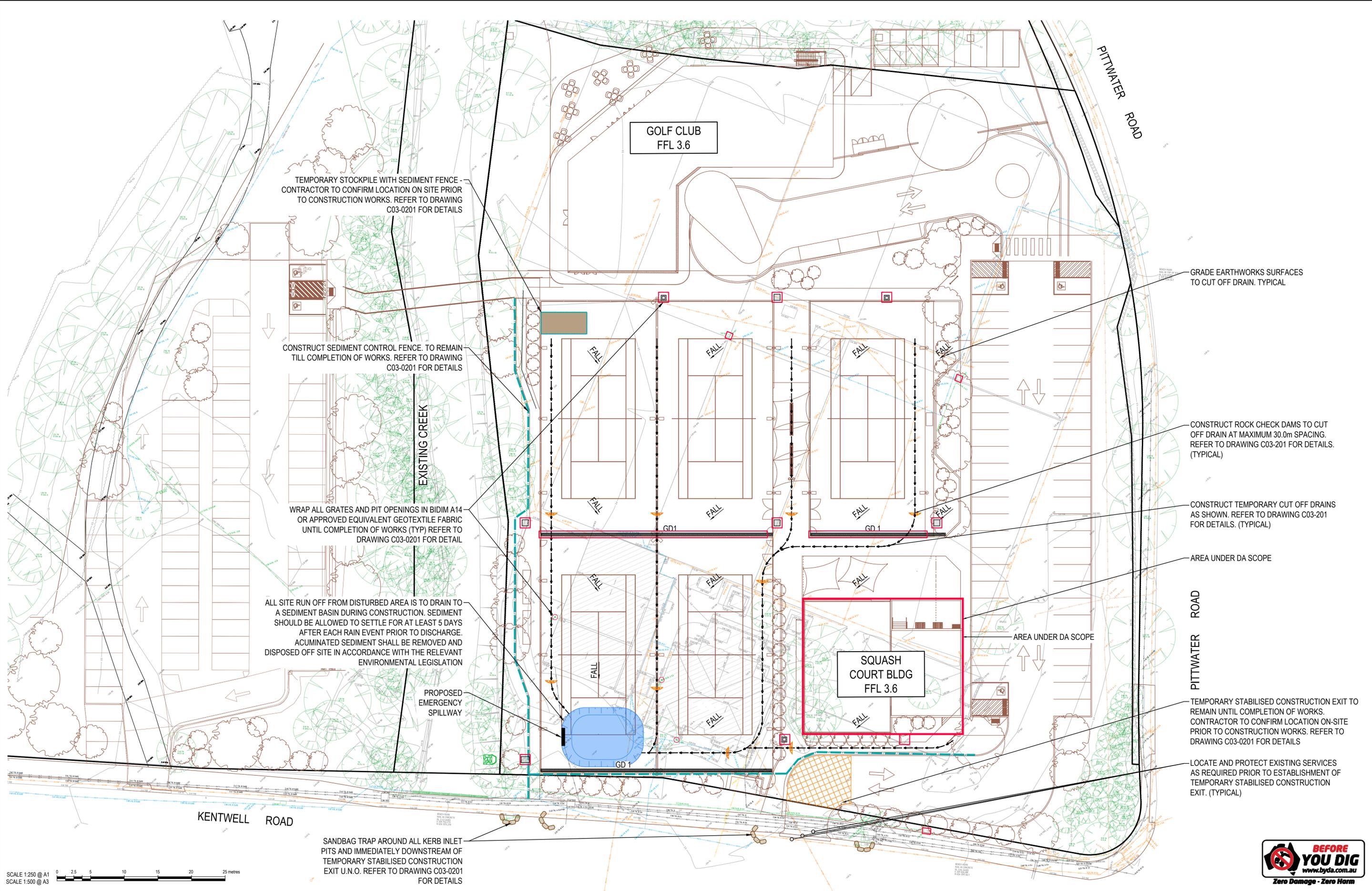
Drawing Title

CIVIL SERVICES LEGENDS SHEET

Drawn	Designed	O.A. Check	Date	Scale @ A1
DW	DV	GL	30.07.24	NA

Project No. NA240429 Drawing No. C01-0101 Issue B

NOT FOR CONSTRUCTION



TEMPORARY STOCKPILE WITH SEDIMENT FENCE - CONTRACTOR TO CONFIRM LOCATION ON SITE PRIOR TO CONSTRUCTION WORKS. REFER TO DRAWING C03-0201 FOR DETAILS

CONSTRUCT SEDIMENT CONTROL FENCE. TO REMAIN TILL COMPLETION OF WORKS. REFER TO DRAWING C03-0201 FOR DETAILS

WRAP ALL GRATES AND PIT OPENINGS IN BIDIM A14 OR APPROVED EQUIVALENT GEOTEXTILE FABRIC UNTIL COMPLETION OF WORKS (TYP) REFER TO DRAWING C03-0201 FOR DETAIL

ALL SITE RUN OFF FROM DISTURBED AREA IS TO DRAIN TO A SEDIMENT BASIN DURING CONSTRUCTION. SEDIMENT SHOULD BE ALLOWED TO SETTLE FOR AT LEAST 5 DAYS AFTER EACH RAIN EVENT PRIOR TO DISCHARGE. ACUMINATED SEDIMENT SHALL BE REMOVED AND DISPOSED OFF SITE IN ACCORDANCE WITH THE RELEVANT ENVIRONMENTAL LEGISLATION

PROPOSED EMERGENCY SPILLWAY

SANDBAG TRAP AROUND ALL KERB INLET PITS AND IMMEDIATELY DOWNSTREAM OF TEMPORARY STABILISED CONSTRUCTION EXIT U.N.O. REFER TO DRAWING C03-0201 FOR DETAILS

GOLF CLUB
FFL 3.6

SQUASH COURT BLDG
FFL 3.6

PITWATER ROAD

KENTWELL ROAD

GRADE EARTHWORKS SURFACES TO CUT OFF DRAIN. TYPICAL

CONSTRUCT ROCK CHECK DAMS TO CUT OFF DRAIN AT MAXIMUM 30.0m SPACING. REFER TO DRAWING C03-201 FOR DETAILS. (TYPICAL)

CONSTRUCT TEMPORARY CUT OFF DRAINS AS SHOWN. REFER TO DRAWING C03-201 FOR DETAILS. (TYPICAL)

AREA UNDER DA SCOPE

PITWATER ROAD

TEMPORARY STABILISED CONSTRUCTION EXIT TO REMAIN UNTIL COMPLETION OF WORKS. CONTRACTOR TO CONFIRM LOCATION ON-SITE PRIOR TO CONSTRUCTION WORKS. REFER TO DRAWING C03-0201 FOR DETAILS

LOCATE AND PROTECT EXISTING SERVICES AS REQUIRED PRIOR TO ESTABLISHMENT OF TEMPORARY STABILISED CONSTRUCTION EXIT. (TYPICAL)

SCALE 1:250 @ A1
SCALE 1:500 @ A3

North	Scale	Client
Architect	Project	Drawing Title
WEBBER ARCHITECTS	WARRINGAH RECREATION CENTRE	CIVIL SERVICES SOIL EROSION AND SEDIMENT CONTROL PLAN
SUITE 206, 8 CLARKE STREET CROWS NEST NSW 2065 T: (02) 4926 1078 E: sydney@webberarchitects.com	KENTWELL RD AT PITWATER RD, NORTH MANLY Lot 2742 DP 752038	Drawn: DW Designed: DV O.A. Check: GL Date: 30.07.24 Scale @ A1: 1:250
PRINT IN COLOUR	ACOR CONSULTANTS	Project No: NA240429 Drawing No: C03-0001 Issue: B



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EROSION AND SEDIMENT CONTROL NOTES

GENERAL INSTRUCTIONS

1. THIS SOIL AND WATER MANAGEMENT PLAN IS TO BE READ IN CONJUNCTION WITH OTHER ENGINEERING PLANS RELATING TO THIS DEVELOPMENT.
2. CONTRACTORS WILL ENSURE THAT ALL SOIL AND WATER MANAGEMENT WORKS ARE UNDERTAKEN AS INSTRUCTED IN THIS SPECIFICATION AND CONSTRUCTED FOLLOWING THE GUIDELINES OF "MANAGING URBAN STORMWATER SOILS AND CONSTRUCTION", DEPT OF HOUSING, 2004 (BLUE BOOK).
3. ALL SUBCONTRACTORS WILL BE INFORMED OF THEIR RESPONSIBILITIES IN REDUCING THE POTENTIAL FOR SOIL EROSION AND POLLUTION TO DOWNSLOPE AREAS.

LAND DISTURBANCE INSTRUCTIONS

1. DISTURBANCE TO BE NO FURTHER THAN 5 (PREFERABLY 2) METRES FROM THE EDGE OF ANY ESSENTIAL ENGINEERING ACTIVITY AS SHOWN ON APPROVED PLANS. ALL SITE WORKERS WILL CLEARLY RECOGNISE THESE ZONES THAT, WHERE APPROPRIATE, ARE IDENTIFIED WITH BARRIER FENCING (UPSLOPE) AND SEDIMENT FENCING (DOWNSLOPE) OR SIMILAR MATERIALS.
2. ACCESS AREAS ARE TO BE LIMITED TO A MAXIMUM WIDTH OF 10 METRES THE SITE MANAGER WILL DETERMINE AND MARK THE LOCATION OF THESE ZONES ON-SITE. ALL SITE WORKERS WILL CLEARLY RECOGNISE THESE BOUNDARIES THAT, WHERE APPROPRIATE, ARE IDENTIFIED WITH BARRIER FENCING (UPSLOPE) AND SEDIMENT FENCING (DOWNSLOPE) OR SIMILAR MATERIALS.
3. ENTRY TO LANDS NOT REQUIRED FOR CONSTRUCTION OR ACCESS IS PROHIBITED EXCEPT FOR ESSENTIAL THINNING OF PLANT GROWTH.
4. WORKS ARE TO 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 KERB INLETS.
 - e. INSTALL GEOTEXTILE INLET FILTERS AROUND ANY ON-SITE DROP INLET PITS.
 - f. CLEAR SITE AND STRIP AND STOCKPILE TOPSOIL IN LOCATIONS SHOWN ON THE PLAN.
 - g. UNDERTAKE ALL ESSENTIAL CONSTRUCTION WORKS ENSURING THAT ROOF AND/OR PAVED AREA STORMWATER SYSTEMS ARE CONNECTED TO PERMANENT DRAINAGE AS SOON AS PRACTICABLE.
 - h. GRADE LOT AREAS TO FINAL GRADES AND APPLY PERMANENT STABILISATION (LANDSCAPING) WITHIN 20 DAYS OF COMPLETION OF CONSTRUCTION WORKS.
 - i. REMOVE TEMPORARY EROSION CONTROL MEASURES AFTER THE PERMANENT LANDSCAPING HAS BEEN COMPLETED.
5. ENSURE THAT SLOPE LENGTHS DO NOT EXCEED 80 METRES WHERE PRACTICABLE. SLOPE LENGTHS ARE DETERMINED BY SILTATION FENCING AND CATCH DRAIN SPACING. 6. ON COMPLETION OF MAJOR WORKS LEAVE DISTURBED LANDS WITH A SCARIFIED SURFACE TO ENCOURAGE WATER INFILTRATION AND ASSIST WITH KEYING TOPSOIL LATER.

EROSION AND SEDIMENT CONTROL NOTES Cont.

SITE INSPECTION AND MAINTENANCE INSTRUCTIONS

1. THE SITE PRINCIPAL'S REPRESENTATIVE WILL INSPECT THE SITE AT LEAST WEEKLY AND AT THE CONCLUSION OF EVERY STORM EVENT TO:
 - a. ENSURE THAT DRAINS OPERATE PROPERLY AND TO EFFECT ANY NECESSARY REPAIRS.
 - b. REMOVE SPILLED SAND OR OTHER MATERIALS FROM HAZARD AREAS, INCLUDING LANDS CLOSER THAN 5 METRES FROM AREAS OF LIKELY CONCENTRATED OR HIGH VELOCITY FLOWS ESPECIALLY WATERWAYS AND PAVED AREAS.
 - c. REMOVE TRAPPED SEDIMENT WHENEVER THE DESIGN CAPACITY OF THAT STRUCTURE HAS BEEN EXCEEDED.
 - d. ENSURE REHABILITATED LANDS HAVE EFFECTIVELY REDUCED THE EROSION HAZARD AND TO INITIATE UPGRADING OR REPAIR AS NECESSARY.
 - e. CONSTRUCT ADDITIONAL EROSION AND/OR SEDIMENT CONTROL WORKS AS MIGHT BECOME NECESSARY TO ENSURE THE DESIRED PROTECTION IS GIVEN TO DOWNSLOPE LANDS AND WATERWAYS. MAKE ONGOING CHANGES TO THE PLAN WHERE IT PROVES INADEQUATE IN PRACTICE OR IS SUBJECTED TO CHANGES IN CONDITIONS ON THE WORK-SITE OR ELSEWHERE IN THE CATCHMENT.
 - f. MAINTAIN EROSION AND SEDIMENT CONTROL STRUCTURES IN A FULLY FUNCTIONING CONDITION UNTIL ALL EARTHWORK ACTIVITIES ARE COMPLETED AND THE SITE IS REHABILITATED.
2. THE PRINCIPAL'S REPRESENTATIVE WILL KEEP A LOGBOOK MAKING ENTRIES AT LEAST WEEKLY, IMMEDIATELY BEFORE FORECAST RAIN AND AFTER RAINFALL. ENTRIES WILL INCLUDE:
 - a. THE VOLUME AND INTENSITY OF ANY RAINFALL EVENTS.
 - b. THE CONDITION OF ANY SOIL AND WATER MANAGEMENT WORKS.
 - c. THE CONDITION OF VEGETATION AND ANY NEED TO IRRIGATE.
 - d. THE NEED FOR DUST PREVENTION STRATEGIES.
 - e. ANY REMEDIAL WORKS TO BE UNDERTAKEN. THE LOGBOOK WILL BE KEPT ON-SITE AND MADE AVAILABLE TO ANY AUTHORISED PERSON UPON REQUEST. IT WILL BE GIVEN TO THE PROJECT MANAGER AT THE CONCLUSION OF THE WORKS.

SEDIMENT CONTROL INSTRUCTIONS

1. SEDIMENT FENCES WILL BE INSTALLED AS SHOWN ON THE PLAN AND ELSEWHERE AT THE DISCRETION OF THE PRINCIPAL'S REPRESENTATIVE TO CONTAIN SOIL AS NEAR AS POSSIBLE TO THEIR SOURCE.
2. SEDIMENT FENCES WILL NOT HAVE CATCHMENT AREAS EXCEEDING 900 SQUARE METRES AND HAVE A STORAGE DEPTH OF AT LEAST 0.6 METRES.
3. SEDIMENT REMOVED FROM ANY TRAPPING DEVICES WILL BE RELOCATED WHERE FURTHER POLLUTION TO DOWNSLOPE LANDS AND WATERWAYS CAN NOT OCCUR.
4. STOCKPILES ARE NOT TO BE LOCATED WITHIN 5 METRES OF HAZARD AREAS INCLUDING AREAS OF HIGH VELOCITY FLOWS SUCH AS WATERWAYS, PAVED AREAS AND DRIVEWAYS.
5. WATER WILL BE PREVENTED FROM DIRECTLY ENTERING THE PERMANENT DRAINAGE SYSTEM UNLESS THE CATCHMENT AREA HAS BEEN PERMANENTLY LANDSCAPED AND/OR WATER HAS BEEN TREATED BY AN APPROVED DEVICE.
6. TEMPORARY SEDIMENT TRAPS WILL REMAIN IN PLACE UNTIL AFTER THE LANDS THEY ARE PROTECTING ARE COMPLETELY REHABILITATED.
7. ACCESS TO SITES SHOULD BE STABILISED TO REDUCE THE LIKELIHOOD OF VEHICLES TRACKING SOIL MATERIALS ONTO PUBLIC ROADS AND ENSURE ALL-WEATHER ENTRY/EXIT.

EROSION AND SEDIMENT CONTROL NOTES Cont.

SOIL EROSION CONTROL INSTRUCTIONS

1. 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 METRES
 - b. 2.5(H):1(V) WHERE SLOPE LENGTH BETWEEN 12 AND 16 METRES.
 - c. 3(H):1(V) WHERE SLOPE LENGTH BETWEEN 16 AND 20 METRES.
 - d. 4(H):1(V) WHERE SLOPE LENGTH GREATER THAN 20 METRES.
2. ALL WATERWAYS, DRAINS, SPILLWAYS AND THEIR OUTLETS WILL BE CONSTRUCTED TO BE STABLE IN AT LEAST THE 1:20 YEAR ARI, TIME OF CONCENTRATION STORM EVENT.
3. WATERWAYS AND OTHER AREAS SUBJECT TO CONCENTRATED FLOWS AFTER CONSTRUCTION ARE TO HAVE A MAXIMUM GROUND COVER C-FACTOR OF 0.05 (70% GROUND COVER) WITHIN 10 WORKING DAYS FROM COMPLETION OF FORMATION. FLOW VELOCITIES ARE TO BE LIMITED TO THOSE SHOWN IN TABLE 5-1 OF "MANAGING URBAN STORMWATER -SOILS AND CONSTRUCTION", DEPT OF HOUSING 2004 (BLUE BOOK). FOOT AND VEHICULAR TRAFFIC WILL BE PROHIBITED IN THESE AREAS.
4. STOCKPILES AFTER CONSTRUCTION ARE TO HAVE A MAXIMUM GROUND-COVER C-FACTOR OF 0.1 (60% GROUND-COVER) WITHIN 10 WORKING DAYS FROM COMPLETION OF FORMATION.
5. ALL LANDS, INCLUDING WATERWAYS AND STOCKPILES, DURING CONSTRUCTION ARE TO HAVE A MAXIMUM GROUND-COVER C-FACTOR OF 0.15 (50% GROUND COVER) WITHIN 20 WORKING DAYS FROM INACTIVITY EVEN THOUGH WORKS MAY CONTINUE LATER.
6. FOR AREAS OF SHEET FLOW USE THE FOLLOWING GROUND COVER PLANT SPECIES FOR TEMPORARY COVER: JAPANESE MILLET 20 KG/HA AND OATS 20 KG/HA.
7. PERMANENT REHABILITATION OF LANDS AFTER CONSTRUCTION WILL ACHIEVE A GROUND-COVER C-FACTOR OF LESS THAN 0.1 AND LESS THAN 0.05 WITHIN 60 DAYS. NEWLY PLANTED LANDS WILL BE WATERED REGULARLY UNTIL AN EFFECTIVE COVER IS ESTABLISHED AND PLANTS ARE GROWING VIGOROUSLY. FOLLOW-UP SEED AND FERTILISER WILL BE APPLIED AS NECESSARY.
8. RE-VEGETATION SHOULD BE AIMED AT RE-ESTABLISHING NATURAL SPECIES. NATURAL SURFACE SOILS SHOULD BE REPLACED AND NON-PERSISTENT ANNUAL COVER CROPS SHOULD BE USED.

WASTE CONTROL INSTRUCTIONS

1. ACCEPTABLE BINS WILL BE PROVIDED FOR ANY CONCRETE AND MORTAR SLURRIES, PAINTS, ACID WASHING, LIGHTWEIGHT WASTE MATERIALS AND LITTER. CLEARANCE SERVICES WILL BE PROVIDED AT LEAST WEEKLY. DISPOSAL OF WASTE WILL BE IN A MANNER APPROVED BY THE PRINCIPAL'S REPRESENTATIVE.
2. ALL POSSIBLE POLLUTANT MATERIALS ARE TO BE STORED WELL CLEAR OF ANY POORLY DRAINED AREAS, FLOOD PRONE AREAS, STREAMBANKS, CHANNELS AND STORMWATER DRAINAGE AREAS. STORE SUCH MATERIALS IN A DESIGNATED AREA UNDER COVER WHERE POSSIBLE AND WITHIN CONTAINMENT BUNDS.
3. ALL SITE STAFF AND SUB-CONTRACTORS ARE TO BE INFORMED OF THEIR OBLIGATION TO USE WASTE CONTROL FACILITIES PROVIDED.
4. ANY DE-WATERING ACTIVITIES ARE TO BE CLOSELY MONITORED TO ENSURE THAT WATER IS NOT POLLUTED BY SEDIMENT, TOXIC MATERIALS OR PETROLEUM PRODUCTS.
5. PROVIDE DESIGNATED VEHICULAR WASHDOWN AND MAINTENANCE AREAS WHICH ARE TO HAVE CONTAINMENT BUNDS.

Issue	Description	Date	Drawn	Approved
B	ISSUE FOR DA	30.07.24	JK	GL
A	ISSUE FOR 30% DESIGN	10.07.24	DW	RT

North

Scale

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PRINT IN COLOUR

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Project

WARRINGAH RECREATION CENTRE

KENTWELL RD AT PITTWATER RD, NORTH MANLY
Lot 2742 DP 752038

Drawing Title

**CIVIL SERVICES
SOIL EROSION AND SEDIMENT CONTROL NOTES**

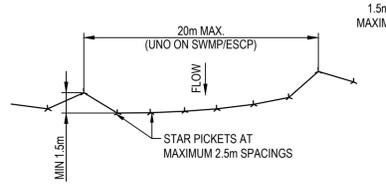
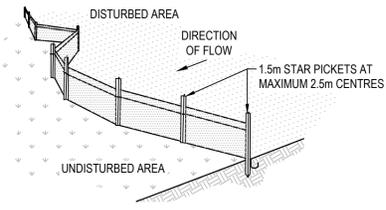
Drawn DW	Designed DV	O.A. Check GL	Date 30.07.24	Scale @ A1 NA
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Project No. NA240429 Drawing No. C03-0101 Issue B

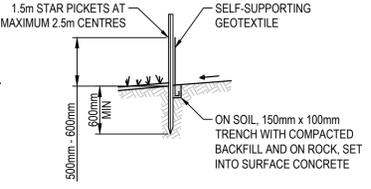


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Zero Damage - Zero Harm

NOT FOR CONSTRUCTION



PLAN



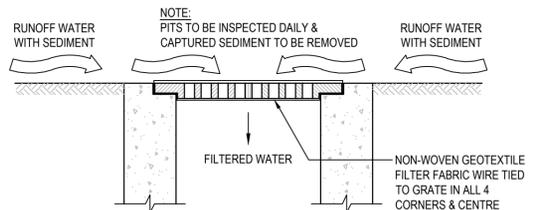
SECTION DETAIL

CONSTRUCTION NOTES

1. CONSTRUCT SEDIMENT FENCE AS CLOSE AS POSSIBLE TO PARALLEL TO THE CONTOURS OF THE SITE.
2. DRIVE 1.5m LONG STAR PICKETS INTO GROUND, 2.5 METRES APART (MAX). ENSURE STAR PICKETS ARE FITTED WITH SAFETY CAPS.
3. DIG A 150mm DEEP TRENCH ALONG THE UPSLOPE LINE OF THE FENCE FOR THE BOTTOM OF THE FABRIC TO BE ENTRENCHED.
4. BACKFILL TRENCH OVER BASE OF FABRIC.
5. FIX SELF-SUPPORTING GEOTEXTILE TO UPSLOPE SIDE OF POSTS WITH WIRE TIES OR AS RECOMMENDED BY GEOTEXTILE MANUFACTURER.
6. JOIN SECTIONS OF FABRIC AT A SUPPORT POST WITH A 150mm OVERLAP.

SEDIMENT CONTROL FENCE

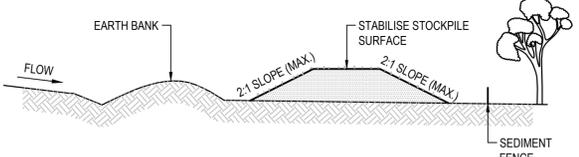
N.T.S.



INLET TRAP

N.T.S.
NOTE
TO BE USED IN PAVED AREAS WHERE TRAFFIC ACCESS IS REQUIRED

SOURCE:
MANAGING URBAN STORMWATER SOILS AND CONSTRUCTION, THIRD EDITION, AUGUST 1998 PRODUCED BY THE DEPARTMENT OF HOUSING



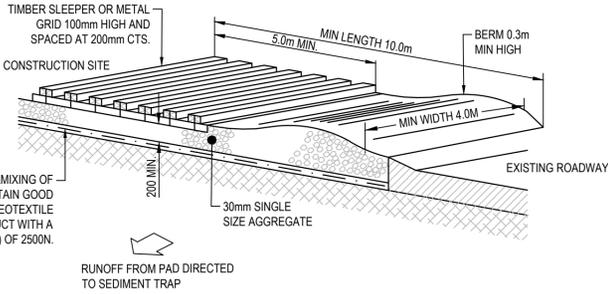
CONSTRUCTION NOTES

1. LOCATE STOCKPILE AT LEAST 5 METRES FROM EXISTING VEGETATION, CONCENTRATED WATER FLOWS, ROADS AND HAZARD AREAS.
2. CONSTRUCT ON THE CONTOUR AS A LOW, FLAT, ELONGATED MOUND.
3. WHERE THERE IS SUFFICIENT AREA TOPSOIL STOCKPILES SHALL BE LESS THAN 2 METERS IN HEIGHT.
4. REHABILITATE IN ACCORDANCE WITH THE SWMP/ESCP.
5. CONSTRUCT EARTH BANK (STANDARD DRAWING 5-2) ON THE UPSLOPE SIDE TO DIVERT RUN OFF AROUND THE STOCKPILE AND A SEDIMENT FENCE (STANDARD DRAWING 6-7) 1 TO 2 METRES DOWNSLOPE OF STOCKPILE.

STOCKPILES

N.T.S.

NOTE
ENSURE THAT ALL UTILITY ASSETS ARE MAINTAINED AND PROTECTED AT ALL TIMES IN THE VICINITY OF THE TEMPORARY CONSTRUCTION EXIT



CONSTRUCTION NOTES

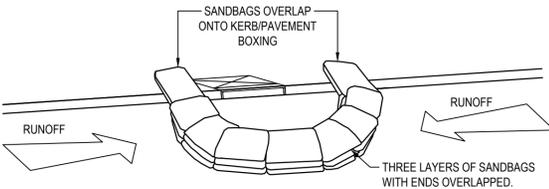
1. STRIP TOPSOIL AND LEVEL SITE.
2. COMPACT SUBGRADE.
3. COVER AREA WITH NEEDLE-PUNCHED GEOTEXTILE.
4. CONSTRUCT 200mm THICK PAD OVER GEOTEXTILE USING 30mm SINGLE SIZE AGGREGATE.
5. CONSTRUCT HUMP IMMEDIATELY WITHIN BOUNDARY TO DIVERT WATER TO A SEDIMENT FENCE OR OTHER SEDIMENT TRAP WHERE THE SEDIMENT IS COLLECTED AND REMOVED.

MAINTENANCE NOTES

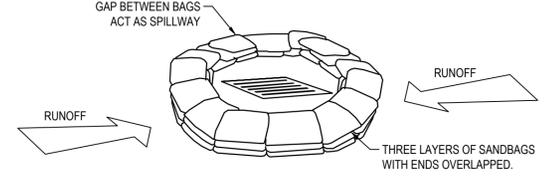
THE EXIT SHALL BE MAINTAINED IN A CONDITION WHICH PREVENTS TRACKING OR FLOWING OF SEDIMENT OFF THE CONSTRUCTION SITE. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL GRAVEL AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED OFF THE CONSTRUCTION SITE MUST BE REMOVED IMMEDIATELY.

TEMPORARY STABILISED CONSTRUCTION EXIT

N.T.S.



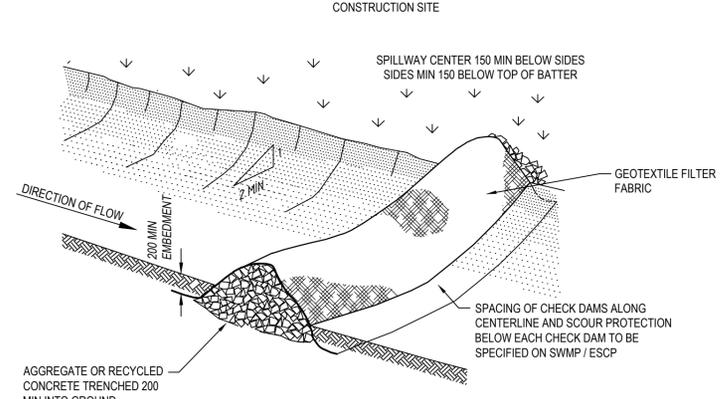
SANDBAG SEDIMENT TRAP - AT KERB SAG PIT



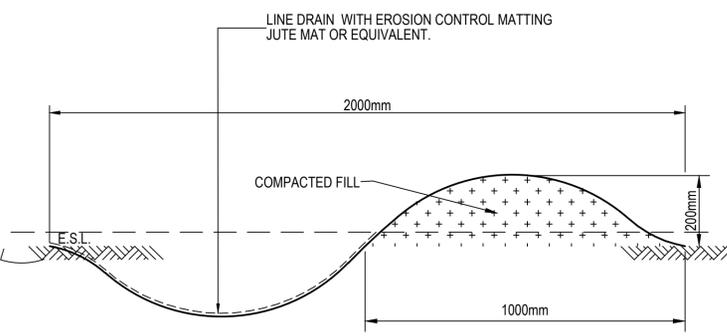
SANDBAG SEDIMENT TRAP - AT OTHER THAN KERB SAG PIT

SANDBAG SEDIMENT TRAP DETAILS

N.T.S.



CHECK DAM - ROCK



CUT-OFF DRAIN - 2.0m WIDE

N.T.S.



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