CONCEPT STORMWATER DRAWINGS FOR PROPOSED NEW DUAL OCCUPANCY



AS 3500.3- TABLE 8.2 SIZE OF MINIMUM INTERNAL DIMENSIONS FOR STORMWATER AND INLET PITS

	MINIMUM INTERNAL DIMENSIONS (mm)			
INVERT OF				
OUTLET	RECTANGULAR		CIRCULAR	
	WIDTH	LENGTH	DIAMETER	
⊴450	350	350		
⊴600	450	450	600	
>600 ≤900	600	600	900	
>900 ≤1200	600	900	1000	
>1200	900	900	1000	



IMPORTANT: CONTRACTOR TO OBTAIN CURRENT SET OF "DIAL BEFORE YOU DIG" PLANS ON SITE ALL TIMES AND PRIOR TO CONSTRUCTION WORKS

SYMBOLS

RL	PIT SURFACE LEVEL	🖉 PG	PLANTER GRATE
IL	INVERT LEVEL	●DP	DOWN PIPE
ТК	TOP OF KERB	•C0	CLEAN OUT
B.O.W	BOTTOM OF WALL	• 10	INSPECTION OPENING
T.O.W	TOP OF WALL	●VD	VERTICAL DROP
SW III SW III G	STORMWATER DRAINAGE PIPE	●VR	VERTICAL RISER
RWT RWT	DOWNPIPE TO RAINWATER TANK	_⊕_ ^{OF}	OVERFLOW (DOME TYPE)
SW SW	OVERFLOW PIPE FROM RAINWATER TANK	\boxtimes	CONCRETE COVER JUNCTION PIT
	Ø100 SUBSOIL PIPE		GRATED INLET PIT
— - S S S - —	Ø100 SUBSOIL PIPE		WIDE GRATED DRAIN
🖾 FW	FLOOR WASTE 150X150	\approx	OVERLAND FLOW PATH
⊗ FW	FLOOR WASTE 150Ø		CAST IN SLAB PIPE
🖉 RWO	RAINWATER OUTLET 300Ø		

DRAWING LIST DRAWING DRAWING NAME NUMBER D00 COVER SHEET, LEGEND & DRAWING SCHEDULE D01 BASEMENT STORMWATER DRAINAGE PLAN D02 GROUND FLOOR STORMWATER DRAINAGE PLAN D04 ROOF STORMWATER DRAINAGE PLAN D05 PRE & POST DEVELOPMENT CATCHMENT ANALYSIS D10 STORMWATER DRAINAGE SECTIONS AND DETAILS SHEET 1 D11 STORMWATER DRAINAGE SECTIONS AND DETAILS SHEET 2 D15 **EROSION AND SEDIMENT CONTROL PLAN AND DETAILS**

NOTES

- 1. ALL LINES ARE TO BE MIN. 100Ø UPVC @ MIN 1.0% GRADE UNLESS NOTED OTHERWISE
- IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE & LEVEL ALL EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF ANY EARTHWORKS. ALL DESIGN LEVELS SHOWN ON PLAN SHALL BE VERIFIED ON SITE PRIOR TO THE COMMENCEMENT OF ANY WORK.
- 3. ALL PIPES TO HAVE MIN 200mm COVER IF LOCATED WITHIN PROPERTY
- PITS IN DRIVEWAYS BE HEAVY DUTY GRATES. DIRECT SURFACE FLOW TO ALL GRATED SURFACE INLET PITS
- 5. ALL WORK DO BE DONE IN ACCORDANCE WITH AS/NZ 3500.3 (CURRENT EDITION), COUNCIL SPECIFICATIONS, RELEVANT VOLUME OF NCC (NATIONAL CONSTRUCTION CODE
- LOCATION OF DOWNPIPES & FLOOR WASTES ARE INDICATIVE ONLY. DOWNPIPE & FLOOR WASTE SIZE, LOCATION & QUANTITY TO BE DETERMINED BY BUILDER & IN ACCORDANCE WITH RELEVANT AUSTRALIAN STANDARDS.
- ALL STORWMATER LINES' JOINTS BE FULLY SEALED AND WATERTIGHT IN ACCORDANCE WITH AS3500.3.2021
- 8. THIS PLAN IS TO BE READ IN CONJUNCTION WITH THE ARCHITECTURAL, LANDSCAPE AND STRUCTURAL AND ALL OTHER RELEVANT CONSULTANT'S PI ANS
- ALL RAINWATER TANKS TO BE FITTED WITH A FIRST FLUSH DEVICE TO PREVENT POTENTIAL CONTAMINANTS FROM ENTERING THE TANKS.
- 10. ANY DISCREPANCIES OR OMISSIONS SHALL BE REFERRED TO THE DESIGN ENGINEER FOR RESOLUTION.
- 11. ALL PITS OR GRATES IN TRAFFICABLE AREAS TO BE HEAVY DUTY.
- 12. ALL LIFT PITS ARE TO BE FULLY TANKED UNLESS NOTED OTHERWISE
- 13. CHILD -PROOF LOCKING SYSTEM MUST BE EMPLOYED FOR ALL GRATES AND LIDS IN COMMON AREAS
- 14. ALL GUTTERS WILL BE FITTED WITH LEAF GUARDS AND SHOULD BE INSPECTED AND CLEANED TO ENSURE LEAF LITTER CANNOT ENTER THE DOWNPIPES
- 15. PROVIDE EMERGENCY OVERFLOW TO ALL PLANTER BOX AND BALCONIES.
- 16. ALL PITS WITH DEPTH MORE THAN 900mm MUST HAVE IRON STEPS AND TO BE BENCHED AND STREAMLINED
- 17. PROVIDE STORMWATER GRATE 200Wx200D AT THE BASE OF ALL MECHANICAL SHAFTS AND UNCOVERED STAIRS OR OPENINGS.
- 18. PRESSURIZED PIPES / RISING MAINS FROM PUMP OUT TANK TO BE CONNECTED DIRECTLY AND INDEPENDENTLY TO EITHER OSD TANK OR BOUNDARY PIT AS PER DESIGN PLANS.
- 19. ENSURE ALL DRAINAGE WORKS ARE AWAY FROM TREE ROOTS
- 20. SERVICES SHOWN ON THESE PLANS HAVE BEEN LOCATED FROM INFORMATION SUPPLIED BY THE RELEVANT AUTHORITIES AND FIELD INVESTIGATION AND ARE NOT GUARANTEED COMPLETE NOR CORRECT. IT IS THE CLIENT AND CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL PRIOR TO CONSTRUCTION.
- 21. ALL VARIATIONS TO THE WORKS AS SHOWN ON THE APPROVED DRAWINGS ARE TO BE CONFIRMED BY SMART STRUCTURES AUSTRALIA PRIOR TO COMMENCEMENT OF WORKS.
- 22. THE MINIMUM SIZES OF THE STORMWATER DRAINS SHALL NOT BE LESS THAN DN90 FOR CLASS 1 BUILDINGS AND DN100 FOR OTHER CLASSES OF BUILDING OR AS REQUIRED BY THE REGULATORY AUTHORITY
- 23. ALL STORMWATER DRAINAGE PITS IN GARDEN OR TURFED AREAS TO BE FITTED WITH PERFORATED GALVANISED STEEL MESH UNDER THE LIDS TO PREVENT DEBRIS ENTERING STORMWATER NETWORK.
- 24. PIPE INSTALLATION TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF CURRENT AS3500.3 AND RELEVANT VOLUME OF NCC (NATIONAL CONSTRUCTION CODE). THIS IS CONTRACTOR'S RESPONSIBILITY TO CHECK IMPACT OF PIPE TRENCHING TO SURROUNDING STRUCTURAL AND NON STRUCTURAL ELEMENTS.



ddr

CLIENT MR & MRS BRYDEN

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ARCHITECT **ALEX BRYDEN** ARCHITECTURE



BASEMENT STORMWATER DRAINAGE PLAN SCALE 1: 100



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Address

Start Date:

Project No.

APRIL 2024 250091

Client: MR & MRS BRYDEN

Architect: ALEX BRYDEN ARCHITECTURE

Approved by: K.E.

Internal Revisions:

Rev. # Drafter Engineer Date **Revision Description** A F.E. K.E. 17.04.25 **ISSUE FOR D.A.**

Notes

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- levels.
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PRELIMINARY NOT FOR CONSTRUCTION

Project North

Scale @ A1:

AS SHOWN

Sheet Name: BASEMENT STORMWATER **DRAINAGE PLAN**

Sheet Number:

D01 Revision: Α

DERE GARI

AVENUE

1:20 1:50 0 0.25 0.5 1:100 0.5 1 1:200



Ø100mm STORMWATER PIPE Ø150mm STORMWATER PIPE

GROUND FLOOR STORMWATER DRAINAGE PLAN

SCALE 1: 100

PIPE LEGEND (U.N.O):





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Sheet Name: **GROUND FLOOR** STORMWATER **DRAINAGE PLAN**

Sheet Number:



1:20	0 0.1 0.2	0.5	1	
1:50	0 0. <u>25 0.</u> 5	1.25	2.5	
1:100	0 0.5 1	2.5	5	
1:200	0 1 2	5	10	



COOKSEY AVENUE

ROOF STORMWATER DRAINAGE PLAN

SCALE 1: 100



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Scale @ A1: Sheet Name: **ROOF STORMWATER DRAINAGE PLAN**

Sheet Number:









POST DEVELOPMENT CATCHMENT ANALYSIS:				
TOTAL SITE AREA:	467.35 m²			
LOT 1 AREA:	266.10 m ²			
ROOF	106.33 m²			
HARDSTAND	20.70 m ²			
LANDSCAPE	139.10 m²	↓ , ↓ ↓ ,		
LOT 2 AREA:	201.25m ²			
ROOF	105.50 m²			
HARDSTAND	18.15 m²			
LANDSCAPE	77.60 m²	 * *		



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Sheet Name: PRE & POST DEVELOPMENT CATCHMENT ANALYSIS

Revision:

PUMP SPECIFICATIONS STANDARD PUMP-OUT NOTES

THE PUMP-OUT SYSTEM IS DESIGNED TO WORK IN THE FOLLOWING MANNER

- 1. A LOW LEVEL FLOAT SHALL BE PROVIDED TO ENSURE THAT THE MINIMUM REQUIRED WATER LEVEL IS MAINTAINED WITHIN THE SUMP AREA OF THE BELOW GROUND TANK. IN THIS REGARD LOW LEVEL FLOAT WILL FUNCTION AS AN OFF SWITCH FOR THE PUMP AND TO SET 100mm ABOVE BOTTOM OF TANK TO ALLOW 100mm DEPTH OF WATER MAINTAINED AT ALL TIMES.
- 2. A SECOND FLOAT SHALL BE PROVIDED AT A HIGHER LEVEL, APPROXIMATELY 300mm ABOVE THE MINIMUM WATER LEVEL (I.E. 300mm ABOVE LOWER LEVEL FLOAT), WHEREBY THE PUMP WILL OPERATE & DRAIN THE TANK TO THE LEVEL OF THE LOW LEVEL FLOAT.
- 3. A THIRD FLOAT SHALL BE SET NOT HIGHER THAN 100mm ABOVE THE INVERT OF THE INLET PIPE. THIS FLOAT SHOULD ACTIVATE THE ALARM.
- 4. AN ALARM SYSTEM SHALL BE PROVIDED WITH A FLASHING STROBE LIGHT ALARM AND AN AUDIBLE ALARM WHICH ARE TO BE LOCATED AT THE DRIVEWAY ENTRANCE TO THE BASEMENT LEVEL. THE ALARM SYSTEM SHALL BE PROVIDED WITH A BATTERY BACK-UP IN CASE OF POWER FAILURE.
- 5. THE PUMP CONTROLS SHALL BE SET UP TO ENABLE ALTERNATE PUMP OPERATION AT EACH START. IN THE EVENT A PUMP FAILS TO OPERATE WHEN THE WATER LEVEL IN THE WET WELL REACHES THE PUMP START, THE OTHER PUMP SHALL BE ACTIVATED, AND A FLASHING STROBE LIGHT ALARM INITIATED. IN THE EVENT THAT BOTH PUMPS FAIL TO OPERATE, AN AUDIBLE ALARM SHALL BE INITIATED
- PUMPS SHALL BE FITTED WITH A GATE VALVE AND NON-RETURN VALVE ON THE DELIVERY SIDE OF EACH PUMP. THE VALVES SHOULD BE ACCESSIBLE WITHOUT HAVING TO ENTER THE 6. WELL.

PUMP WELL DETAILS

HEAVY DUTY GALV. -

MINIMUM 1% GRADE BASE FALL TO OUTLET

STEEL GRATE

VOLUME REQUIRED BY AS $3500 = 3.00 \text{ m}^3$ MIN. STORAGE PROVIDED 2.0x1.50x1.0m = 3.00 m^3 PUMP CAPACITY BY AS 3500 = 10.0 L/sMIN. DUAL ZSS-220 PUMP OR EQUIVALENT TO BE INSTALLED IN SUMP AND CONNECTED TO CONTROL PANEL WHICH WILL ALLOW FOR THE PUMPS TO **OPERATE SIMULTANEOUSLY ON HIGH LEVEL ALARMS** AT 5.0L/sec (PER PUMP) AT 7.00m HEAD.

- FINISHED LEVEL

DETAIL

SCALE NTS

GRATED TRENCH DRAIN

1:100

1:200

Revision:

DETERMINED OSD VOLUME RAINWATER REUSE MUST BE USED FOR FLUSHING OF TOILETS AS A MINIMUM, HOWEVER RAINWATER CAN BE USED FOR NON-POTABLE USAGE SUCH AS WATERING OF GARDENS, WASHING CARS, CLOTHES WASHING ETC.

RAINWATER TANK

TANK DETAILS SHOWN ARE A SUGGESTED CONFIGURATION ONLY. ANY MODIFICATION TO TANK VOLUME OR INLET AND OUTLET LEVELS MUST BE APPROVED BY ENGINEER PRIOR TO COMMENCEMENT OF CONSTRUCTION. TANK SHAPE, & DEVICES SHOWN ARE DIAGRAMMATIC ONLY. MINIMUM OF 450 CLEARANCE (UNLESS L.G.A. REQUIRES LARGER SETBACK) TO SIDE BOUNDARIES MUST BE MAINTAINED.

CLIENT IS RESPONSIBLE TO ENSURE COMPLIANCE WITH THIS IN THE INSTALLED STATE. CHARGED STORM WATER LINES FROM ROOF AREAS ONLY TO RAINWATER TANK. ALL JOINTS TO BE SOLVENT WELDED. ALL EXPOSED PIPEWORK TO BE PAINTED TO WITHSTAND

EXTERNAL ELEMENTS. FIRST FLUSH WATER DIVERTER AT TANK TO COMPLY WITH SYDNEY WATER AND COUNCIL DCP'S. AN

APPROVED SWITCH SYSTEM SIMILAR TO 'RAINBANK' TO BE USED VIA MAINS. PUMPS TO MANUF. SPECS. RAIN TANK TO BE INSTALLED AND MAINTAINTED TO MANUFACTURER'S SPECIFICATIONS AND TO COMPLY WITH ALL SYDNEY WATER GUIDELINES.

CLIENT TO BE RESPONSIBLE FOR MAINTENANCE SYSTEM OF CHARGED PIPELINES. DEBRIS ACCUMULATION SIGNIFICANTLY AFFECT SYSTEMS PERFORMANCE. MAINTENANCE PROGRAM ESSENTIAL.

STRUCTURAL DETAILS FOR TANK BASE BY MANUFACTURERS OR OTHERS.

SCALE NTS

FIRST FLUSH WATER DIVERTER DETAIL

TO TANK

SLOW RELEASE OF
 STORMWATER AFTER
 STORM EVENT. MUST HAVE
 THE ABILITY TO BE
 CLEANED TO REMOVE
 DEBRIS.

- ALLOW FOR FURTHER ABSORPTION

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PRELIMINARY NOT FOR CONSTRUCTION Project North

EROSION AND SEDIMENT CONTROL PLAN

SCALE 1:200

SYMBOLS

EXISTING LEVELS

DUST PROOF FENCE

SITE FENCE STABILISED SITE ACCESS

STING STRUCTURE TO BE DEMOLISHED

EROSION CONTROL NOTES

- 1. ALL EROSION & SEDIMENT CONTROL MEASURES ARE TO BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH 'MANAGING URBAN STORMWATER, 3RD EDITION' PRODUCED BY THE NSW DEPARTMENT OF HOUSING.
- 2. ALL EROSION AND SILTATION CONTROL DEVICES ARE TO BE PLACED PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION AND REMOVED REGULARLY DURING CONSTRUCTION
- 3. ALL TREES ARE TO BE PRESERVED UNLESS INDICATED OTHERWISE ON THE ARCHITECT'S OR LANDSCAPE ARCHITECT'S DRAWINGS. EXISTING GRASS COVER SHALL BE MAINTAINED EXCEPT IN AREAS CLEARED FOR BUILDINGS, PAVEMENTS ETC- CONTRACTOR TO MINIMISE DISTURBED AREAS.
- 4. INSTALL TEMPORARY SEDIMENT BARRIERS TO ALL INLET PITS LIKELY TO COLLECT SILT LADDEN WATER 5. NOT WITHSTANDING DETAILS SHOWN, IT IS THE CONTRACTORS SOLE
- RESPONSIBILITY TO ENSURE THAT ALL SITE ACTIVITIES COMPLY WITH THE REQUIREMENTS OF THE CLEAN WATERS ACT.
- 6. ALL DISTURBED AREAS AND STOCKPILES TO BE STABILISED WITHIN 14 DAYS. ALL STOCKPILES TO BE CLEAR FROM DRAINS, GUTERS AND FOOTPATHS.
- 7. TOPSOIL TO BE STRIPPED, STOCKPILED AND RE-SPREAD ON COMPLETION OF EARTHWORKS. NONE TO BE REMOVED.
- 8. NO DISTURBANCE OF SITE PERMITTED OTHER THAN IMMEDIATE AREA OF THE WORKS.
- 9. DRAINAGE IS TO BE CONNECTED TO STORMWATER SYSTEM AS SOON AS POSSIBLE. NON-COMPLIANCE MAY RESULT IN A \$1500 FINE

GENERAL INSTRUCTIONS:

THESE PLANS PRESENT A CONCEPTUAL SOIL AND WATER MANAGEMENT PLAN (SWMP) ONLY AND SHOWS A POSSIBLE WAY OF MANAGING SOIL AND EROSION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ESTABLISHMENT AND MANAGEMENT OF THE SITE AND PREPARING A DETAILED PLAN AND OBTAINING APPROVAL FROM THE RELEVANT AUTHORITY PRIOR TO THE COMMENCEMENT OF ANY WORKS.

THIS PLAN IS TO BE READ IN CONJUNCTION WITH THE ENGINEERING PLANS AND ANY OTHER PLANS, WRITTEN INSTRUCTIONS, SPECIFICATION OR

DOCUMENTATION THAT MAY BE ISSUED AND RELATING TO DEVELOPMENT OF THE SUBJECT SITE

THE CONTRACTOR WILL ENSURE THAT ALL SOIL AND WATER MANAGEMENT WORKS ARE CONSISTENT WITH MANAGING URBAN STORMWATER - SOILS AND CONSTRUCTION' - ALSO KNOWN AS ' THE BLUE BOOK'.

SWM04 ALL BUILDERS AND SUB-CONTRACTORS SHALL BE INFORMED OF THEIR RESPONSIBILITIES IN MINIMISING THE

POTENTIAL FOR SOIL EROSION AND POLLUTION TO DOWNSLOPE LANDS AND WATERWAYS.

EROSION CONTROL:

SWM05 WATER SHALL BE PREVENTED FROM ENTERING THE PERMANENT DRAINAGE SYSTEM UNTIL SEDIMENT CONCENTRATION IS LESS THEN OR EQUAL TO 50MG/L, IE THE CATCHMENT AREA HAS BEEN PERMANENTLY LANDSCAPED AND/ OR ANY LIKELY SEDIMENT HAS BEEN FILTERED THROUGH AND APPROVED STRUCTURE. SWM06

ANY SAND USED IN THE CONCRETE CURING PROCESS (SPREAD THE SURFACE WILL BE REMOVED AS SOON AS POSSIBLE AND WITHIN 10 WORKING DAYS FROM PLACEMENT.

SWM07 ACCEPTABLE RECEPTORS WILL BE CONSTRUCTED FOR CONCRETE AND MORTAR SLURRIES, PAINTS, ACID WASHINGS, LIGHT-WEIGHT WASTE MATERIALS AND LITTER.

'SEDIMENT' FENCING WILL BE INSTALLED AS INDICATED ON THE PLANS AND AT THE DIRECTION OF SITE SUPERINTENDENT TO ENSURE CONTAINMENT OF SEDIMENT. THE SEDIMENT FENCING WILL OUTLET OR OVERFLOW UNDER STABILISED CONDITIONS INTO THE SEDIMENT BASIN. TO SAFELY CONVEY WATER INTO A SUITABLE FILTERING SYSTEM SHOULD THE PORES IN THE FABRIC BLOCK.

SWM0 THE SEDIMENT BASINS WILL BE CONSTRUCTED WITH THE MINIMUM WET SEDIMENT CAPACITY OF CUM CUBIC METERS AND DESIGNED TO REMAIN STABLE IN AT LEAST THE 1 IN CDSE YEAR CRITICAL DURATION STORM EVENT. ARTIFICIAL FLOCCULATION OF THE FINER PARTICLES MAY NOT BE NECESSARY IN THIS INSTANCE.

SWM1

SWM08

STOCKPILES SHOULD NOT BE LOCATED WITHIN 5M OF TREES AND HAZARD AREAS, INCLUDING LIKELY AREAS OF CONCENTRATED OR HIGH VELOCITY FLOWS SUCH AS WATERWAYS, DRAINAGE LINES, PAVED AREAS AND DRIVEWAYS. WHERE THEY ARE WITHIN 5M FROM SUCH AREAS, SPECIAL SEDIMENT CONTROL MEASURES SHOULD BE TAKEN TO MINIMISE POSSIBLE POLLUTION TO DOWNSTREAM WATERS. MEASURE SHOULD ALSO BE APPLIED TO PREVENT THE EROSION OF THE STOCKPILE.

ALL CUT AND FILL BATTERS ARE TO BE SEEDED AND MULCHED WITHIN 14 DAYS OF COMPLETION OF FORMATION.

SWM12

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 1. 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,
- 2. 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, 3. CARE IS TAKEN.

SWM13

DURING WINDY WEATHER, LARGE DISTURBED UNPROTECTED AREAS SHOULD BE KEPT MOIST (NOT WET) BY SPRINKLING WITH WATER TO KEEP DUST UNDER CONTROL.

SWM14 TEMPORARY PROTECTION FROM EROSIVE FORCES WILL BE UNDERTAKEN ON LANDS WHERE FINAL SHAPING HAS NOT BEEN COMPLETED BUT WORKS ARE UNLIKELY TO PROCEED FOR PERIODS OF TWO MONTHS OR MORE (EG. ON TOP SOIL STOCKPILES). THIS MAY BE ACHIEVED WITH A VEGETATIVE COVER. A RECOMMENDED LISTING OF PLANT SPECIES FOR SOIL AND WATER MANAGEMENT NOTES:

TEMPORARY COVER IS I) AUTUMN/WINTER SOWING -OATS/RYECORN AT 20KG/HA -JAPANESE MILLET AT 10KG/HA II) SPRING/SUMMER SOWING -JAPANESE MILLET AT 20KG/HA - OATS/RYECORN AT 10 KG/HA

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SWM15

DIVERSION BANKS/ CHANNELS WILL BE REHABILITATED AS SOON AS POSSIBLE AND WITHIN 5 WORKING DAYS FROM THEIR FINAL SHAPING. OTHER THAN IN THE WINTER MONTHS. SUITABLE MATERIALS'S INCLUDE TURF GRASSES SUCH S COUCH OR KIKUYU. DURING WINTER, OR AT OTHER TIMES WHEN TEMPORARY REHABILITATION (MORE THAN 3 MONTHS) IS REQUIRED. IT IS SUGGESTED THAT HESSIAN CLOTH IS USED BUT ONLY IF TACKED WITH APPROPRIATE PEGS AND AN ANIONIC BITUMEN EMULSION. FOOT AND VEHICULAR TRAFFIC SHOULD BE KEPT AWAY FROM THESE AREAS.

SWM16

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.

CONSTRUCTION SEQUENCE

SWM17 WHERE PRACTICAL, THE SOIL EROSION HAZARD ON THE SITE SHOULD BE KEPT AS LOW AS POSSIBLE. TO THIS END, WORKS SHOULD BE UNDERTAKEN IN THE FOLLOWING SEQUENCE -

I) INSTALL INLET SEDIMENT TRAPS TO ALL GULLY PITS FRONTING THE SITE. II) INSTALL A 1.8M CHAIN WIRE FENCE AROUND THE BOUNDARIES AND ATTACH HESSIAN CLOTH OR SIMILAR TO IT ON THE WINDWARD SIDE (TIES AT THE TOP, CENTRE AND BOTTOM AND AT 1M INTERVALS OR

AS INSTRUCTED BY THE SUPERINTENDENT). III) INSTALL GEOFABRIC SEDIMENT FENCE AND SEDIMENT TRAPS AROUND ALL PERMANENT STORMWATER RETICULATION STRUCTURES AS SHOWN ON THE PLAN,

IV) CONSTRUCT STABILISED CONSTRUCTION ENTRANCE AS SHOWN ON THE PLAN OR TO LOCATION AS DETERMINED BY SUPERINTENDENT. V) INSTALL DIVERSION BANKS ALONG THE BOUNDARY WHERE REQUIRED, REHABILITATE DISTURBED

LANDS DOWNSLOPE FROM THE BASINS WITHIN 20 WORKING DAYS, VI) ENSURE THAT THE SEDIMENT BASIN IS DIRECTED ONTO A TURFED AREA AND DRAINS TO A SUITABLE LOCATION. A TEMPORARY STORMWATER LINE MAY BE NECESSARY TO CONVEY THE FLOWS TO THIS LOCATION. CONSTRUCT DIVERSION CHANNELS AT THE BOUNDARY TO DRAIN INTO THE SEDIMENT BASIN

AS SHOWN ON PLANS. VII) AT COMPLETION STABILISE SITE AND DECOMMISSION SEDIMENT BASIN AND ALL EROSION CONTROL DEVICES.

SWM18

TEMPORARY SOIL AND WATER MANAGEMENT STRUCTURES WILL BE REMOVED ONLY AFTER THE LANDS THEY ARE PROTECTING ARE REHABILITATED.

SWM19

FINAL SITE LANDSCAPING WILL BE UNDERTAKEN AS SOON AS POSSIBLE AND WITHIN 20 WORKING DAYS FROM COMPLETION OF CONSTRUCTION ACTIVITIES.

SITE INSPECTION AND MAINTENANCE

SWM 20 AT LEAST WEEKLY AND AFTER EVERY RAIN FALL EVENT, THE

CONTRACTOR WILL INSPECT THE SITE AND ENSURE THAT -I) DRAINS AND ALL SEDIMENT CONTROL DEVICES OPERATE EFFECTIVELY AND INITIATE REPAIR OR MAINTENANCE AS REQUIRED,

II) RECEPTORS FOR CONCRETE AND MORTAR SLURRIES, PAINTS, ACID WASHINGS, LIGHT-WIGHT WASTE MATERIALS AND LITTER ARE TO BE EMPTIED AS NECESSARY. DISPOSAL OF WASTE SHALL BE IN A MANOR APPROVED BY THE SUPERINTENDENT,

III) SPILL SAND (OR OTHER MATERIALS) IS REMOVED FROM HAZARD AREAS, INCLUDING LIKELY AREAS OF CONCENTRATED OR HIGH VELOCITY FLOWS SUCH AS WATERWAYS, GUTTERS, PAVED AREAS AND DRIVEWAYS

IV) SEDIMENT IS REMOVED FROM BASINS AND / OR TRAPS WHEN LESS THAN 20M³ OF TRAPPING CAPACITY REMAIN PER 1000M² OF DISTRIBUTED LANDS, AND OR LESS THAN 500 DEPTH REMAINS IN THE SETTLING ZONE. ANY COLLECTED SEDIMENT WILL BE DISPOSED IN AREAS WHERE FURTHER POLLUTION TO DOWN SLOPE LANDS AND WATERWAYS IS UNLIKELY,

V) REHABILITATED LANDS HAVE EFFECTIVELY REDUCED THE EROSION HAZARD AND INITIATE UPGRADING OR REPAIR AS APPROPRIATE.

SWM 21

THE CONTRACTOR SHALL PROVIDE ALL MONITORING CONTROL AND TESTING.

NOTES THIS DRAWING

- INSTALLATION OF SILT FENCING, SEDIMENTATION BARRIERS AROUND DRAINS.
- WORK COMPLETE.

ENTRANCES AND EXITS. TO REMOVE THE BULK OF DIRT AND MUD THAT MAY ACCUMULATE ON TRUCK TYRES.

KEPT CLEAN OF ANY DIRT AND DEBRIS.

TREE PROTECTION DETAIL

STRUCTURES **AUSTRALIA** SUIT 2.04, L2, BLDG 3, 35-41 WATERLOO RD., MACQUARIE PARK, NSW 2113 info@smartstructs.com.au | T: (02) 9052 6467 Address ()LO Start Date: **APRIL 2024** Project No. 250091 **MR & MRS BRYDEN** Architect: ALEX BRYDEN ARCHITECTURE Approved by: K.E. Internal Revisions: Rev. # Drafter Engineer Date **Revision Description** F.E. K.E. 17.04.25 **ISSUE FOR D.A.** Notes 1. Drawings to be read in conjunction with architectural drawings. 2. Refer to architectural drawings for all setout, levels. 3. Do not scale any dimensions 4. Drawings to be read & printed in colour. PRELIMINARY NOT FOR CONSTRUCTION Project North AS SHOWN Scale @ A1: Sheet Name: **EROSION AND** SEDIMENT CONTROL PLAN AND DETAILS Sheet Number:

Revision: