SOIL EROSION & DUST MANAGEMENT CONTROLS

1. ALL EROSION AND SEDIMENTATION CONTROL MEASURES, INCLUDING RE-VEGETATION AND STORAGE OF SOIL AND TOPSOIL, SHALL BE IMPLEMENTED IN ACCORDANCE WITH THE NSW LANDCOM PUBLICATION TITLED MANAGING URBAN STORMWATER: SOILS AND CONSTRUCTION VOL. 14th ED. MARCH 2004(BLUE BOOK) OR THE LATEST VERSION OF THIS PUBLICATION

2. THE HEAD CONTRACTOR IS TO INFORM ALL SITE STAFF AND SUB-CONTRACTORS OF THEIR OBLIGATIONS UNDER THE EROSION AND SEDIMENT CONTROL PLAN.

3. THE CONTRACTOR SHALL NOT DEVIATE FROM THE APPROVED PROGRAM WITHOUT THE SUPERINTENDENT'S APPROVAL FOR TEMPORARY ACCESS/CONSTRUCTION FROM MARKET PLACE.

4. PRIOR TO BREAKING EXISTING GROUND THE CONTRACTOR SHALL HAVE IN PLACE DRAINAGE AND FILTER CONTROLS FOR RETENTION OF SEDIMENT. A FILTER FABRIC FENCE AND HAY BALE BARRIERS ARE TO BE USED WHERE ANY LOW POINTS ALLOW SURFACE WATER TO ESCAPE BEFORE CONSTRUCTION OF FINISHED LEVELS.

5. WASHING DOWN OF WHEELS AND MUDDIED BODY SURFACES OF ALL VEHICLES AND PLANT LEAVING THE SITE TO PREVENT THE CARRIAGE OF SEDIMENT ONTO STREETS IS REQUIRED DURING INCLEMENT WEATHER.

6. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO ADJACENT ROADS AND STREETS. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE ENTRANCE WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEARANCE OF ANY MEASURES USED TO TRAP SEDIMENT.

7. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO ROADS MUST BE REMOVED IMMEDIATELY BY THE CONTRACTOR.

8. DIVERT RUNOFF AWAY FROM ACCESS POINT. SEDIMENT FENCES AND BARRIERS SHALL BE MAINTAINED IN GOOD CONDITION AND CHECKED WHEN RAIN PERIODS ARE IMMINENT AND AT CLOSE WEEK'S WORK.

9. MACHINERY MOVEMENT AND TRUCKS SUPPLYING MATERIALS SHALL BE CONFINED TO THE CONTRACTORS ACCESS ROUTE.

10. ALL CONTROLS SHALL REMAIN IN PLACE UNTIL ROAD BASE FOR NEW PAVEMENT FORMATION IS LAID.

11. DESIGNATED PLANT AND MACHINERY ACCESS WAYS TO BE DEFINED ONSITE BY THE INSTALLATION OF PARAWEBBING FENCING TO MINIMISE UNNECESSARY SITE DISTURBANCE.

12. THE CONTRACTOR SHALL HAVE STANDBY LABOR AND ARRANGEMENT FOR DEALING WITH DUST SUPPRESSION FLOCCULATION / DE-WATERRING SEDIMENT BASINS AND OTHER URGENT REMEDIAL MAINTENANCE TO EROSION CONTROL MEASURES DURING WEEKENDS AND EXTENDED CLOSED PERIODS.

13. SHOULD ADVERSE WIND CONDITIONS ARISE. MACHINERY / PLANT MOVEMENTS SHALL BE RESTRICTED TO THE MINIMUM.

14. PROVIDE BARRIERS AROUND ALL CONSTRUCTION WORKS WITHIN THE FOOTPATH AREA TO PROVIDE SAFE ACCESS FOR PEDESTRIANS.

15. CONCRETE PUMPS AND CRANES ARE TO OPERATE FROM WITHIN THE BALLAST ENTRY DRIVEWAY AREA AND NOT TO OPERATE FROM THE PUBLIC ROADWAY UNLESS SPECIFIC COUNCIL PERMISSION IS OBTAINED.

16. TOILET FACILITIES MUST BE EITHER A FLUSHING TYPE OR APPROVED PORTABLE CHEMICAL CLOSET. CHEMICAL CLOSETS ARE TO BE MAINTAINED AND SERVICED ON A REGULAR BASIS SO THAT OFFENSIVE ODOUR IS NOT EMITTED.

17. DURING TRENCH EXCAVATION ALL SPOIL SHALL BE MOUNTED ON THE UPHILL SIDE OF TRENCHES AND PLACEMENT IS TO COMPLY WITH THE SUPERINTENDENTS REQUIREMENTS.

18. DIVERSION BANKS SHOULD BE CONSTRUCTED BY MOUNDING STRIPPED TOPSOIL (MIN. HEIGHT 600mm) WHERE DIRECTED. MATERIAL TO BE RE-SPREAD ON FOOT WAYS AFTER FINAL TRIMMING.

19. TRAFFIC MANAGEMENT MEASURES ARE REQUIRED TO BE IMPLEMENTED AND MAINTAINED DURING CONSTRUCTION IN ACCORDANCE WITH 'RTA' TRAFFIC CONTROL AT WORK SITES - CURRENT EDITION AND AS 1742 MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

20. PEDESTRIAN CONTROL MEASURES ARE REQUIRED TO BE IMPLEMENTED AND MAINTAINED DURING CONSTRUCTION IN ACCORDANCE WITH AS 1742 MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

SEQUENCE OF OPERATIONS

1. PROVIDE SHAKE DOWN PAD AT ENTRY OF SITE.
2. CONSTRUCT CLEAN WATER CUT OFF DRAIN & RE-VEGETATE
3. PLACE BARRIER FENCING AS SHOWN TO RESTRICT VEHICULAR ACCESS.
4. CONSTRUCT SEDIMENT FENCING & DIRTY WATER CHANNEL
5. PROVIDE STRAW BALE DAM (REPLACE AT COMPLETION OF EACH DAYS WORK)
6. CONSTRUCT ROADS, DRAINAGE & DETENTION BASIN (MODIFY SEDIMENT CONTROL DRAINS TO SUIT CONSTRUCTION.
7. PITS & PIPES TO BE PROTECTED WITH FILTER BARRIERS
8. AT COMPLETION OF ALL WORKS RE-VEGETATE BATTERS WITHIN 14 DAYS
9. AFTER 80% RE-VEGETATION COVER IS REACHED REMOVE CONTROL MEASURES CAN BE REMOVED.

STABILISATION

UNDERTAKE PROGRESSIVE STABILISATION OF DISTURBED GROUND SURFACES AS THEY ARE COMPLETED RATHER THAN AT THE END OF THE WORKS PROGRAM.

ENSURE THAT DISTURBED LANDS FOR EACH STAGE ARE STABILISED APPROPRIATELY BEFORE COMMENCING WORK ON THE FOLLOWING STAGE.

BATTERIES SHOULD BE STABILISED TO BRING C- FACTORS DOWN TO 0.1 WITHIN 10 WORKING DAYS OF FINAL FORMATION.

STABILISATION OF BATTERIES CAN BE ACHIEVED BY PLACING TOPSOIL OVER THEM WITH LOCALLY-SOURCED NATIVE MULCH PLACED OVER THE SOIL, OR ALTERNATIVELY, THEY CAN BE HYDRO-MULCHED (OR EQUIVALENT).

APPROPRIATE SEEDBED PREPARATION SHOULD BE CARRIED OUT WHEN STABILISING LANDS.

AS SURFACES ARE STABILSED AND PERMANENT DRAINAGE MEASURES ARE INSTALLED, TEMPORARY WATER MANAGEMENT STRUCTURES CAN BE REMOVED (EG. DIVERSION DRAINS).

MONITORING AND MAINTENANCE

THE SITE MANAGER IS TO DELINEATE AN APPROPRIATE LOCATION FOR THE ONSITE OFFICE OR COMPOUND/S

SAFE STORAGE AREAS FOR WASTES, FUELS AND OTHER HAZARDOUS MATERIALS ARE TO BE DELINEATED AT THE DISCRETION OF THE SITE MANAGER.

STORAGE LOCATIONS FOR EROSION CONTROL MATERIALS (EG. JUTE MATTING) ARE TO BE DELINEATED AT THE DISCRETION OF THE SITE MANAGER.
ANY WASTE MATERIALS (SUCH AS ROCKS AND DEBRIS) ARE TO BE REMOVED FROM ANY PUBLIC TRAFFICKED ROAD SURFACE AS SOON AS POSSIBLE.

ANY SEDIMENT ACCUMULATED IN TRAPPING DEVICES IS TO BE REMOVED AND DEPOSITED IN A SECURE LOCATION WHERE THERE IS A LOW RISK THAT IT WILL BE RE-ENTRAINED IN RUNOFF.

WASTE RECEPTACLES ARE TO BE EMPTIED AS NECESSARY. DISPOSAL OF WASTE MUST BE IN A MANNER APPROVED BY THE SITE SUPERINTENDENT.

NOTES:

1. THE ROADWAY, FOOT PATH OR COUNCIL RESERVE SHALL NOT BE USED TO STORE BUILDING MATERIAL WITHOUT THE PRIOR APPROVAL OF COUNCIL.

2. ALL EXCAVATIONS AND BACKFILLING MUST BE EXECUTED SAFELY IN ACCORDANCE WITH APPROPRIATE PROFESSIONAL STANDARDS.

3. ALL EXCAVATIONS MUST BE PROPERLY GUARDED AND PROTECTED TO PREVENT THEM FROM BEING DANGEROUS TO LIFE OR PROPERTY.

4. THE BUILDER SHALL CARRY OUT WORK AT ALL TIMES IN A MANNER WHICH WILL NOT CAUSE A NUISANCE, BY THE GENERATION OF UNREASONABLE NOISE, DUST OR OTHER ACTIVITY, TO RESIDENTS OF ADJACENT PROPERTIES.

5. THE BUILDER SHALL CONTROL THE EMISSION OF DUST FROM THE SITE AND IN THIS REGARD WATERING EQUIPMENT SHALL BE KEPT ON THE SITE AND USED FOR THIS PURPOSE. THE DEVELOPER MUST ENSURE THAT THE CONTRACTOR IS ABLE TO CONTROL EMISSION OF DUST FROM THE SITE ON WEEKENDS WHEN WINDY CONDITIONS PREVAIL.

6. THE BUILDER SHALL ENSURE THAT NO VIBRATOR ROLLERS ARE USED DURING THE CONSTRUCTION WITHOUT PRIOR WRITTEN APPROVAL OF THE PRINCIPAL CERTIFYING AUTHORITY.

MATERIAL WASTE MANAGEMENT:

ALL WASTE TO BE SORTED ON SITE AND TAKEN TO APPLICABLE RECYCLING FACILITY ONCE REMOVED FROM SITE
ALL EXCAVATED MATERIAL TO BE REMOVED FROM SITE.
ALL CONSTRUCTION MATERIAL TO BE REMOVED FROM SITE.
SEDIMENTATION BARRIER TO BE ERECTED TO PREVENT RUN-OFF INTO ADJOINING NEIGHBORS PROPERTY.
SANDBAGS TO BE USED TO PREVENT RUN-OFF INTO STORMWATER SYSTEM

RE-VEGETATION NOTE:

SITE SHALL BE RE-VEGETATED AS SOON AS POSSIBLE TO PREVENT SOIL EROSION. EXCAVATED TOP SOIL SHOULD BE REUSED. RE-VEGETATE ALL TRENCHES UPON COMPLETION OF BACKFILLING

AIR POLLUTION NOTE:

STOCKPILES OF SAND AND SOIL SHALL BE LOCATED IN A SHELTERED POSITION WHERE POSSIBLE AND COVERED OR WATERED TO PREVENT MATERIAL FROM BEING BLOWN OFF THE SITE

DRAINAGE PIPE CONNECTION:

TEMPORARY OR PERMANENT DOWN PIPES SHALL BE INSTALLED PRIOR TO FRAME INSPECTION.

ALL DRAINAGE PIPE INLETS TO BE CAPPED UNTIL:
- DOWN PIPES CONNECTED
- PITS CONSTRUCTED AND PROTECTED WITH SILT BARRIER.

SILT BARRIER FENCE NOTES

1.CONSTRUCT SEDIMENT FENCES AS CLOSE AS POSSIBLE TO BEING PARALLEL TO THE CONTOURS OF THE SITE BUT WITH SMALL RETURNS AS SHOWN IN THE DRAWING TO LIMIT THE CATCHMENT AREA OF ANY ONE SECTION.

2. CUT A 150mm DEEP TRENCH ALONG UP SLOPE LINE IN THE FENCE FOR THE BOTTOM OF THE FABRIC TO BE ENTRENCHED.

3. 1.5M LONG, 40mm SQUARE HARDWOOD STAR PICKETS SHALL BE DRIVEN INTO GROUND AT 2.5M INTERVALS MAX. THE STAR PICKET SHOULD BE FITTED WITH SAFETY CAPS.

4. FIX SELF-SUPPORTING GEOTEXTILE TO THE UP SLOPE SIDE OF THE POST ENSURING IT GOES TO THE BASE OF THE TRENCH. FIX THE GEOTEXTILE WITH WIRE TIES OR AS RECOMMENDED BY THE MANUFACTURER. ONLY USE GEOTEXTILE SPECIFICALLY PRODUCED FOR SEDIMENT FENCING. THE USE OF SHADE CLOTH FOR THIS PURPOSE IS NOT SATISFACTORY.

5. JOIN SECTION OF FABRIC AT A SUPPORT POST WITH A 150mm OVERLAP.

6. BACKFILL THE TRENCH OVER THE BASE OF THE FABRIC AND COMPACT IT THOROUGHLY OVER THE GEOTEXTILE.

HAY BALE NOTES

1. CONSTRUCT STRAW BALE FILTER AS CLOSE AS POSSIBLE TO PARALLEL TO THE CONTOURS OF THE SITE OR AT THE TOE OF THE SLOPE.

2. PLACE BALES LENGTH WISE IN A ROW WITH ENDS TIGHTLY ABUTTING. USE LOOSE STRAW TO FILL ANY GAPS BETWEEN BALES. STRAWS TO BE PLACED PARALLEL TO GROUND.

3. ENSURE THAT THE MAXIMUM HEIGHT OF FILTER IS ONE BALE.

4. EMBED EACH BALE IN THE GROUND 75mm TO 100mm AND ANCHOR WITH 2 1.2 METER STAR PICKETS OR STAKES. ANGLE THE FIRST STAKE IN EACH BALE TOWARDS THE PREVIOUSLY LAID BALE. DRIVE STAKES 600mm INTO THE GROUND AND FLUSH WITH THE TOP OF THE BALES.

5. WHERE A STRAW BALE FILTER IS CONSTRUCTED DOWN SLOPE FROM A DISTURBED BATTER THE BALES SHOULD BE LOCATED 1.5 - 2.0 METERS DOWN SLOPE FROM THE TOE OF THE BATTER.

6. ESTABLISH A MAINTENANCE PROGRAM THAT ENSURES THE INTEGRITY OF THE BALES IS RETAINED- THEY COULD REQUIRE REPLACEMENT EACH TWO OR FOUR MONTHS

DUST SUPPRESSION

DUST SUPPRESSION SHOULD BE CARRIED OUT WHENEVER NECESSARY TO MINIMISE SEDIMENT BECOMING AIR BOURNE TO WIND EROSION.

EXCAVATIONS

WATER ACCUMULATING IN ANY SORT OF EXCAVATION WITHIN THE SITE EFFECTIVELY BECOME A SEDIMENT BASIN.

WATER FROM EXCAVATIONS MUST NOT BE DISCHARGED FROM THE SITE UNLESS IT CONTAINS LESS THAN 50MG/L OF SUSPENDED SOLIDS. FLOCCULATION SHOULD BE USED TO ACHIEVE THIS WHERE NECESSARY.

HOWEVER, IF THE WATER IS GOING TO BE USED WITHIN THE CONSTRUCTION SITE FOR DUST-SUPPRESSION PURPOSES AND WILL DRAIN BACK INTO THE SEDIMENT CAPTURE SYSTEM IT WILL NOT REQUIRE FLOCCULATION.

SELF AUDITING PROGRAM

A SELF-AUDITING PROGRAM MUST BE INITIATED FOR THE SITE. THE SITE MANAGER IS TO INSPECT THE SITE AT LEAST WEEKLY AND MAINTAIN A LOG OF INSPECTIONS, PAYING PARTICULAR ATTENTION TO:

REMOVAL OF SPILLED SOILS OR OTHER MATERIALS FROM NEAR RIPARIAN AREAS (I.E. THE DRAINAGE RESERVE/CREEK)

ENSURING BARRIER FENCING IS MAINTAINED AND EXCLUSION ZONES ARE BEING OBSERVED BY ALL WORKERS AND CONTRACTORS.

CONSTRUCTING ADDITIONAL EROSION AND/OR SEDIMENT CONTROL WORKS AS MIGHT BECOME NECESSARY TO ENSURE THE DESIRED WATER CONTROL IS ACHIEVED I.E. PREPARE PROGRESSIVE SWMP'S (PREFERABLY IN CONSULTATION WITH SEEC).

MAINTAINING EROSION AND SEDIMENT CONTROL MEASURES IN A FUNCTIONING CONDITION FOR THE DURATION OF THE WORKS.

REMOVAL OF TRAPPED SEDIMENT AND DISPOSAL TO SAFE AREAS.

AREAS OF LOCALISED SOIL EROSION ARE TO BE IDENTIFIED AND APPROPRIATE PREVENTATIVE MEASURES IMPLEMENTED. THESE WILL INCLUDE:

A. PLANTING ADDITIONAL STABILISLING VEGETATION OR WIND BRAKES.
B. STABILSING SOILS WITH MULCHES OR ALTERNATIVE SOIL BINDERS.
C. TAKING STEPS TO MINIMISE ANY CONCENTRATED STROMWATER FLOWS.

STOCKPILING

STOCKPILE LOCATIONS ARE SHOWN ON THE 11000136-SWMP02. THE SITE MANAGER IS TO DESIGNATE SAFE STOCKPILE SITES IN THESE LOCATIONS. THE LOCATIONS OF THE STOCKPILES CAN BE MOVED AT THE DISCRETION OF THE SITE MANAGER TO AN ALTERNATIVE LOCATION WITH THE WORKS (I.E. NOT THE NO-GO ZONES). HOWEVER, THEY SHOULD INCORPORATE CLEARLY DEFINED ACCESS CONTROLS AND COMPLY WITH THE REGULATIONS OUTLINED BELOW.

ALL STOCKPILES MUST BE CONSTRUCTED AND MAINTAINED AND THE FOLLOWING REGULATIONS:

- ALL STOCKPILES MUST HAVE SEDIMENT FENCING INSTALLED AROUND THEIR BASES.

- MULCHED VEGETATION, TOPSOIL AND SUBSOIL (IF APPLICABLE) ARE TO BE STOCKPILED SEPARATELY.- STOCKPILES ARE TO BE TRIMMED, DEEP RIPPED TO 300MM, IMMEDIATELY SOWN WITH PERMANENT PASTURE SPECIES AND FERTILIZED.

- STOCKPILES ARE TO BE STABILIZED TO ACHIEVE A C-FACTOR OF 0.1 WITHIN 10 DAYS OF FORMATION.

- STABILIZATION MEASURES ON STOCKPILES MUST BE EMPLOYED AS PER THE REQUIREMENTS SET OUT IN TABLE 1 AND TABLE 2.

- STOCKPILES SHOULD BE CONSTRUCTED TO NO MORE THAN 2METRES IN HEIGHT.

- THE WORKING FACE OF THE STOCKPILE SHOULD BE BATTERED DOWN AT A MAXIMUM SLOPE OF 3:1.

SLOPE LENGTHS

ENSURE SLOPE LENGTH ON DISTRIBUTED SURFACES IS LESS THAN 80M DURING RAIN.

DIVERSION BUNDS/DRAINS, LOW FLOW EARTH BANKS OR SANDBAGS/EQUIVALENT SHOULD BE INSTALLED PRIOR TO ANY RAINFALL EVENT TO ACHIEVE THIS.

CONCEPT DESIGN
NOT TO BE USED FOR CONSTRUCTION PURPOSES

ISSUE	AMENDMENT	DATE
A	ISSUE FOR DEVELOPMENT APPLICATION	13/03/24

PLANS 0 1000 2000 3000 4000 5000

DO NOT SCALE IF IN DOUBT ASK A1

THIS DRAWING SHALL BE READ IN CONJUNCTION WITH SPECIFICATIONS

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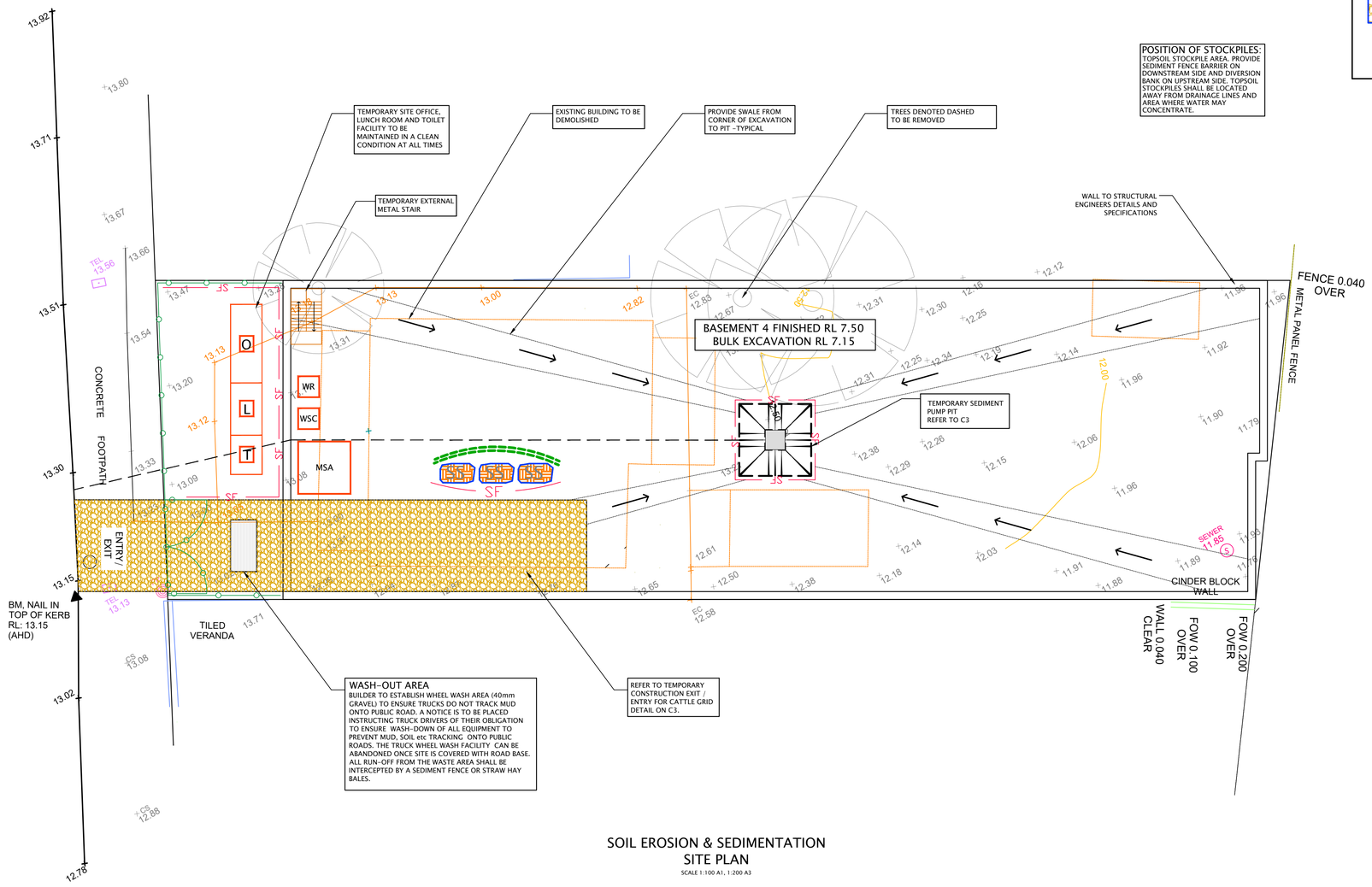
Email: info@atbconsulting.com.au
ACEA The Association of Consulting Engineers Australia

Title	SOIL EROSION & SEDIMENTATION CONTROL NOTES
Project	SELF-STORAGE PREMISES AND SIGNAGE
At	12 WILLIAM STREET, BROOKVALE NSW
Client	QUB SELF STORAGE

SCALES AS SHOWN			DATE PLOTTED 13/03/24
DRAWN M.V.			
DESIGNED M.V.			DATUM A.H.D.
CHECKED G.U.	DATE CHK'D 13/03/24		
	PROJECT No 23061	DWG C1	REVISION A

WILLIAM

STREET



SOIL EROSION & SEDIMENTATION
SITE PLAN
SCALE 1:100 A1, 1:200 A3

SITE MANAGEMENT LEGEND

SIDE BOUNDARY	INDICATIVE STOCKPILE AREA
SEDIMENT CONTROL FENCE	WASTE STORAGE CONTAINER
MESH WIRE TEMPORARY CONSTRUCTION FENCE ALONG THE SITE BOUNDARY	WASTE / RECYCLE BINS
SAND BAGS PLACED IN INVERT OF GUTTER	MATERIALS STORAGE AREA
SURFACE CATCH DRAIN	TEMPORARY TOILET FACILITY
STAKED STRAW BALES	MAINTAIN EXISTING NATURAL GROUND SLOPE
WASH OUT AREA	

NOTES

AIR QUALITY

WHERE OPERATIONS INVOLVE EXCAVATION, FILLING OR GRADING OF LAND, OR REMOVAL OF VEGETATION, INCLUDING GROUND COVER, DUST IS TO BE SUPPRESSED BY REGULAR WATERING UNTIL SUCH TIME AS THE SOIL IS STABILISED TO PREVENT AIRBORNE DUST TRANSPORT. WHERE WIND VELOCITY EXCEEDS FIVE KNOTS THE PRINCIPAL CERTIFYING AUTHORITY MAY DIRECT THAT SUCH WORK IS NOT TO PROCEED.

POLLUTION CONTROL

BUILDING OPERATIONS SUCH AS BRICK CUTTING, MIXING MORTAR AND THE WASHING OF TOOLS, PAINT BRUSHES, FORM-WORK, CONCRETE TRUCKS AND THE LIKE SHALL NOT BE PERFORMED ON THE PUBLIC FOOTWAY OR ANY OTHER LOCATIONS WHICH MAY LEAD TO THE DISCHARGE OF MATERIALS INTO COUNCIL'S STORMWATER DRAINAGE SYSTEM.

EROSION CONTROL - STABILISATION

ALL DISTURBED AREAS SHALL BE PROGRESSIVELY STABILISED AND/OR REVEGETATED SO THAT NO AREAS REMAIN EXPOSED TO POTENTIAL EROSION DAMAGE FOR A PERIOD OF GREATER THAN 14 DAYS.

EROSION AND SEDIMENT CONTROL

EROSION AND SEDIMENT CONTROL MEASURES SHALL REMAIN IN PLACE AND BE MAINTAINED UNTIL ALL DISTURBED AREAS HAVE BEEN REHABILITATED AND STABILISED.

EROSION CONTROL - MAINTENANCE

SEDIMENT AND EROSION CONTROL MEASURES ARE TO BE ADEQUATELY MAINTAINED DURING THE WORKS UNTIL THE ESTABLISHMENT OF GRASS.

EROSION CONTROL

VEHICULAR ACCESS TO THE SITE SHALL BE CONTROLLED THROUGH THE INSTALLATION OF WASH DOWN BAYS OR SHAKER RAMPS TO PREVENT TRACKING OF SEDIMENT OR DIRT ONTO ADJOINING ROADWAYS. WHERE ANY SEDIMENT IS DEPOSITED ON ADJOINING ROADWAYS IS SHALL BE REMOVED BY MEANS OTHER THAN WASHING. ALL MATERIAL IS TO BE REMOVED AS SOON AS POSSIBLE AND THE COLLECTED MATERIAL IS TO BE DISPOSED OF IN A MANNER WHICH WILL PREVENT ITS MOBILISATION.

POLLUTION CONTROL - TRUCK MOVEMENTS

THE LOADING AND UNLOADING OF ALL CONSTRUCTION VEHICLES ASSOCIATED WITH THE DEVELOPMENT MUST BE UNDERTAKEN WITHIN THE PROPERTY BOUNDARY OF THE PREMISES SUBJECT TO THIS CONSENT. STEPS MUST BE TAKEN TO STOP TRACKING OF SOILS OR MATERIALS ONTO ANY PUBLIC ROADS FROM TRUCK MOVEMENTS.

DUST SCREENS

DUST SCREENS SHALL BE ERECTED AND MAINTAINED IN GOOD REPAIR AROUND THE PERIMETER OF THE SUBJECT LAND DURING LAND CLEARING, DEMOLITION, AND CONSTRUCTION WORKS.

LOAD COVERING

ALL VEHICLES INVOLVED IN THE DELIVERY, DEMOLITION OR CONSTRUCTION PROCESS DEPARTING FROM THE PROPERTY SHALL HAVE THEIR LOADS FULLY COVERED BEFORE ENTERING THE PUBLIC ROADWAY.

EROSION CONTROL - STABILISATION

ALL DISTURBED AREAS SHALL BE PROGRESSIVELY STABILISED AND/OR REVEGETATED SO THAT NO AREAS REMAIN EXPOSED TO POTENTIAL EROSION DAMAGE FOR A PERIOD OF GREATER THAN 14 DAYS.

WATER QUALITY

ALL TOPSOIL, SAND, AGGREGATE, SPOIL OR ANY OTHER MATERIAL SHALL BE STORED CLEAR OF ANY DRAINAGE LINE, EASEMENT, WATER BODY, STORMWATER DRAIN, FOOTPATH, KERB OR ROAD SURFACE AND THERE SHALL BE MEASURES IN PLACE IN ACCORDANCE WITH THE APPROVED EROSION AND SEDIMENT CONTROL PLAN.

CONCEPT DESIGN
NOT TO BE USED FOR CONSTRUCTION PURPOSES

ISSUE	AMENDMENT	DATE
A	ISSUE FOR DEVELOPMENT APPLICATION	13/03/24

PLANS 0 1000 2000 3000 4000 5000

DO NOT SCALE IF IN DOUBT ASK A1

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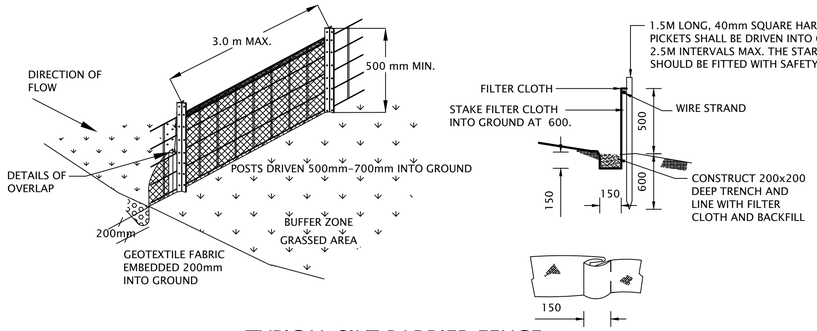
The Association of Consulting Engineers Australia

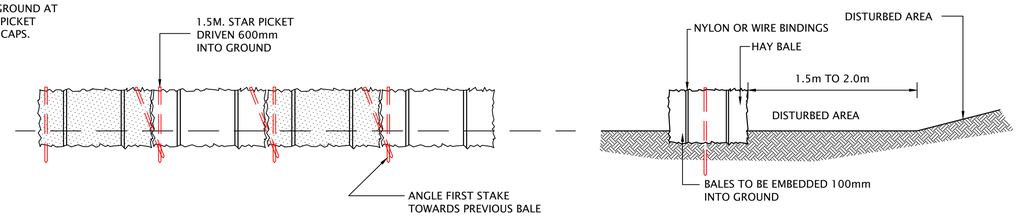
Title	SOIL EROSION AND SEDIMENTATION CONTROL PLAN
Project	SELF-STORAGE PREMISES AND SIGNAGE
At	12 WILLIAM STREET, BROOKVALE NSW
Client	QUB SELF STORAGE

SCALES AS SHOWN			DATE PLOTTED 13/03/24
DRAWN M.V.			
DESIGNED M.V.			DATUM A.H.D.
CHECKED G.U.	DATE CHK'D 13/03/24		
	PROJECT No 23061	DWG C2	REVISION A



TYPICAL SILT BARRIER FENCE.

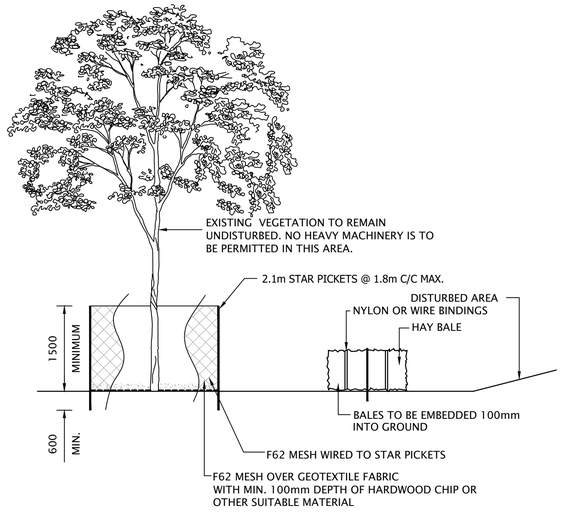
(NOT TO SCALE)



HAY BALE ELEVATION

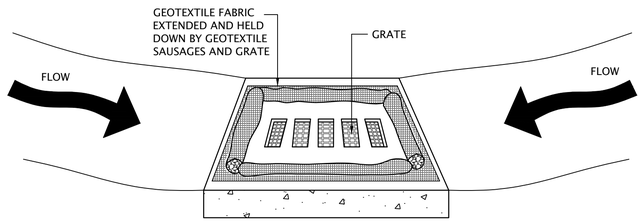
(NOT TO SCALE)

1. CONSTRUCT STRAW BALE FILTER AS CLOSE AS POSSIBLE TO PARALLEL TO THE CONTOURS OF THE SITE OR AT THE TOE OF THE SLOPE.
2. PLACE BALES LENGTH WISE IN A ROW WITH ENDS TIGHTLY ABUTTING. USE LOOSE STRAW TO FILL ANY GAPS BETWEEN BALES. STRAWS TO BE PLACED PARALLEL TO GROUND.
3. ENSURE THAT THE MAXIMUM HEIGHT OF FILTER IS ONE BALE.
4. EMBED EACH BALE IN THE GROUND 75mm TO 100mm AND ANCHOR WITH 2 1.2 METER STAR PICKETS OR STAKES. ANGLE THE FIRST STAKE IN EACH BALE TOWARDS THE PREVIOUSLY LAID BALE. DRIVE STAKES 600mm INTO THE GROUND AND FLUSH WITH THE TOP OF THE BALES.
5. WHERE A STRAW BALE FILTER IS CONSTRUCTED DOWN SLOPE FROM A DISTURBED BATTER THE BALES SHOULD BE LOCATED 1.5 - 2.0 METERS DOWN SLOPE FROM THE TOE OF THE BATTER.
6. ESTABLISH A MAINTENANCE PROGRAM THAT ENSURES THE INTEGRITY OF THE BALES IS RETAINED- THEY COULD REQUIRE REPLACEMENT EACH TWO OR FOUR MONTHS



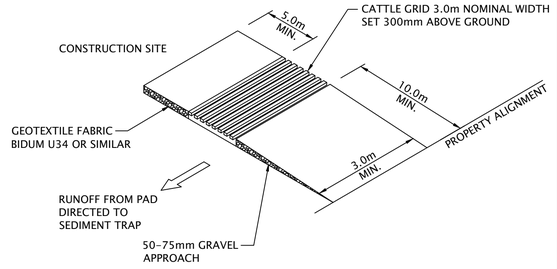
TREE PROTECTION DETAIL

(NOT TO SCALE)



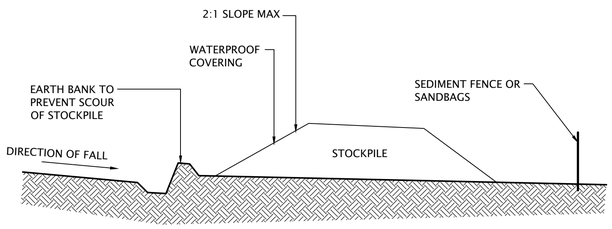
STORMWATER INLET SEDIMENT CONTROL

(NOT TO SCALE)



TEMPORARY CONSTRUCTION ENTRY/EXIT

(NOT TO SCALE)

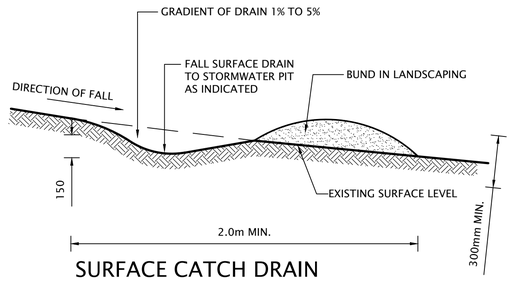


BUILDING MATERIAL STOCKPILE DETAILS

(NOT TO SCALE)

CONSTRUCTION NOTES

1. PLACE STOCKPILES MORE THAN 2 (PREFERABLY 5) METERS FROM EXISTING VEGETATION, CONCENTRATED WATER FLOW ROADS AND HAZARD AREAS
2. CONSTRUCT ON THE CONTOUR AS LOW, FLAT, ELONGATED MOUNDS
3. WHERE THERE IS SUFFICIENT AREA, TOPSOIL STOCKPILES SHALL BE LESS THAN 2 METERS IN HEIGHT.
4. WHERE ARE TO BE PLACED FOR MORE THAN 10 DAYS, STABILIZE THE APPROVED ESCP OR SWMP TO REDUCE THE C-FACTOR TO LESS THAN 0.10.
5. CONSTRUCT EARTH BANKS ON THE UP SLOPE SIDE TO DIVERT WATER AROUND STOCKPILES AND SEDIMENT FENCES 1 TO 2M DOWN SLOPE.



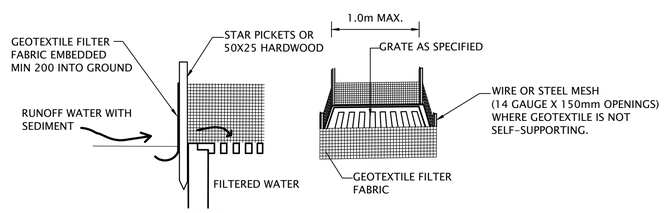
SURFACE CATCH DRAIN

NOTE TO SCALE

ONLY TO BE USED AS TEMPORARY BANK WHERE MAXIMUM UP SLOPE LENGTH IS 80m

CONSTRUCTION NOTES

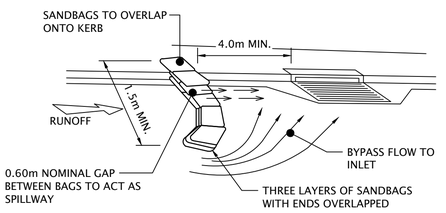
1. BUILD WITH GRADIENTS BETWEEN 1 PERCENT AND 5 PERCENT
2. AVOID REMOVING SHRUBS AND TREES IF POSSIBLE-WORK AROUND THEM
3. ENSURE THE STRUCTURE IS FREE OF PROJECTIONS OR OTHER IRREGULARITIES THAT COULD IMPEDE WATER FLOW.
4. BUILD THE DRAINS WITH CIRCULAR PARABOLIC OR TRAPEZOIDAL CROSS SECTIONS NOT v SHAPED
5. ENSURE THE BANKS ARE PROPERLY COMPACTED TO PREVENT FAILURE
6. COMPLETE PERMANENT OR TEMPORARY STABILIZATION WITHIN 10 DAYS OF CONSTRUCTIONS



GEOTEXTILE INLET FILTER

(NOT TO SCALE)

1. FABRICATE A SEDIMENT BARRIER MADE FROM GEOTEXTILE OR STRAW BALES.
2. FOLLOW PROCEDURE FOR INSTALLATION PROCEDURES FOR THE STRAW BALES OR GEOFABRIC. REDUCE THE PICKET SPACING TO 1.0m CENTRES.
3. IN WATERWAY, ARTIFICIAL SAG POINTS CAN BE CREATED WITH SANDBAGS OR EARTH BANKS AS SHOWN IN THE DRAWINGS.
4. DO NOT COVER THE INLET WITH GEOTEXTILE UNLESS THE DESIGN IS ADEQUATE TO ALLOW FOR ALL WATER TO BYPASS IT.



KERB INLET SEDIMENT TRAP

(NOT TO SCALE)

1. ALL SEDIMENT DAMS AND TRAPS SHALL BE CLEANED WHEN THE STRUCTURES ARE A MAXIMUM OF 60 % FULL OF SOIL & DEBRIS

CONCEPT DESIGN
NOT TO BE USED FOR CONSTRUCTION PURPOSES

ISSUE	AMENDMENT	DATE
A	ISSUE FOR DEVELOPMENT APPLICATION	13/03/24

PLANS 0 1000 2000 3000 4000 5000

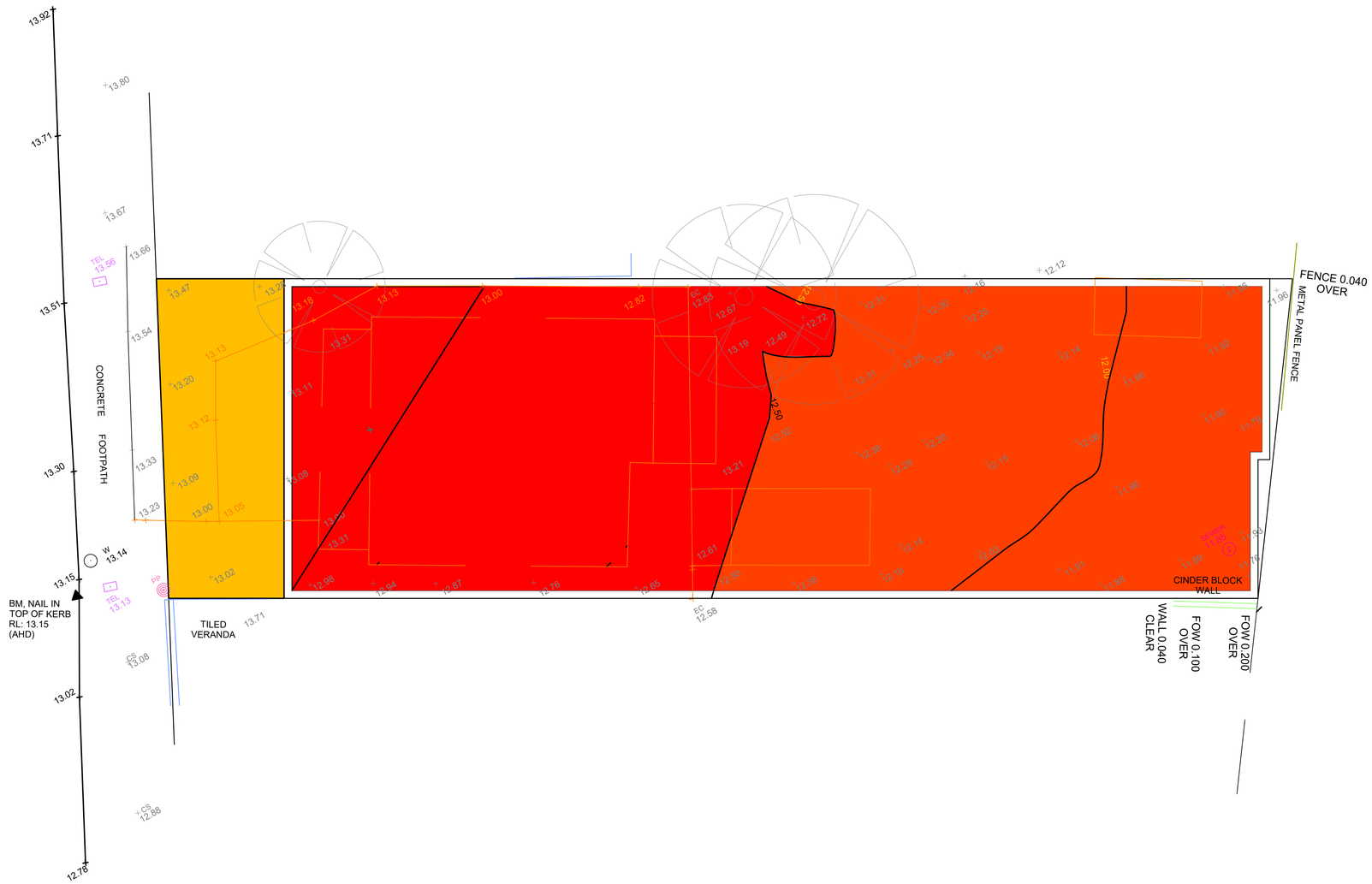
DO NOT SCALE IF IN DOUBT ASK A1

THIS DRAWING SHALL BE READ IN CONJUNCTION WITH SPECIFICATIONS

ATB
CONSULTING ENGINEERS
CIVIL & STRUCTURAL
11 VICTORIA STREET
WOLLONGONG NSW 2500
TELEPHONE: 02 42 266 646
Email: info@atbconsulting.com.au
ACEA The Association of Consulting Engineers Australia

Title	SOIL EROSION & SEDIMENTATION CONTROL DETAILS
Project	SELF-STORAGE PREMISES AND SIGNAGE
At	12 WILLIAM STREET, BROOKVALE NSW
Client	QUB SELF STORAGE

SCALES AS SHOWN		DATE PLOTTED 13/03/24
DRAWN M.V.		
DESIGNED M.V.		DATUM A.H.D.
CHECKED G.U.	DATE CHK'D 13/03/24	
PROJECT No 23061	DWG C3	REVISION A



CUT & FILL LEGEND

> −6.0m TO −5.0m	
−5.0m TO −2.0m	
−2.0m TO −1.0m	
−1.00m TO 0.0m	
0.0m TO 1.0m	
1.0m TO 2.0m	
2.0m TO 5.0m	
5.0m TO > 6.0m	

NOTE: CUT & FILL DEPTHS PROVIDED ARE FOR PRELIMINARY ASSESSMENT PURPOSES ONLY.
DETAILED CUT & FILL DEPTHS TO BE PROVIDED AT C.C. STAGE.
WHERE FILL EXCEEDS A CERTAIN DEPTH WITHIN THE BUILDING OUTLINE STRUCTURAL ENGINEER MAY CHOOSE TO USE A SUSPENDED FLOOR DESIGN.

BULK EXCAVATION PLAN

SCALE 1:100 A1, 1:200 A3

CONCEPT DESIGN
NOT TO BE USED FOR CONSTRUCTION PURPOSES

ISSUE	AMENDMENT	DATE
A	ISSUE FOR ADDITIONAL INFORMATION	10/04/24

PLANS 0 1000 2000 3000 4000 5000

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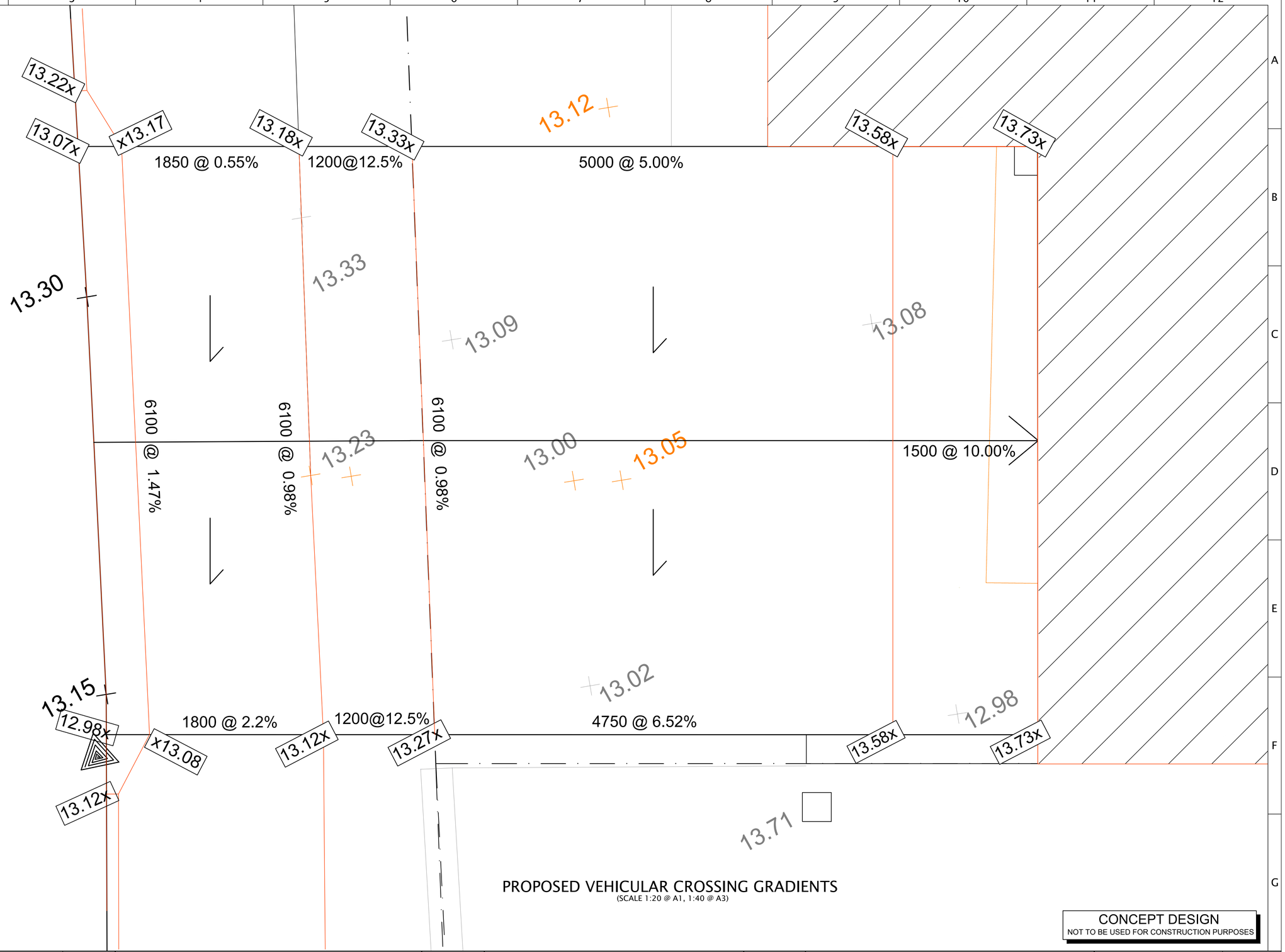
Title	BULK EXCAVATION PLAN
Project	SELF-STORAGE PREMISES AND SIGNAGE
At	12 WILLIAM STREET, BROOKVALE NSW
Client	QUB SELF STORAGE

SCALES AS SHOWN		DATE PLOTTED 10/04/24
DRAWN M.V.		
DESIGNED M.V.		DATUM A.H.D.
CHECKED G.U.	DATE CHK'D 10/04/24	
	PROJECT No 23061 / DWG C4	REVISION A



PROPOSED VEHICULAR CROSSING GRADIENTS
(SCALE 1:20 @ A1, 1:40 @ A3)

CONCEPT DESIGN
NOT TO BE USED FOR CONSTRUCTION PURPOSES

ISSUE	AMENDMENT	DATE
A	ISSUE FOR ADDITIONAL INFORMATION	10/04/24

PLANS 0 1000 2000 3000 4000 5000

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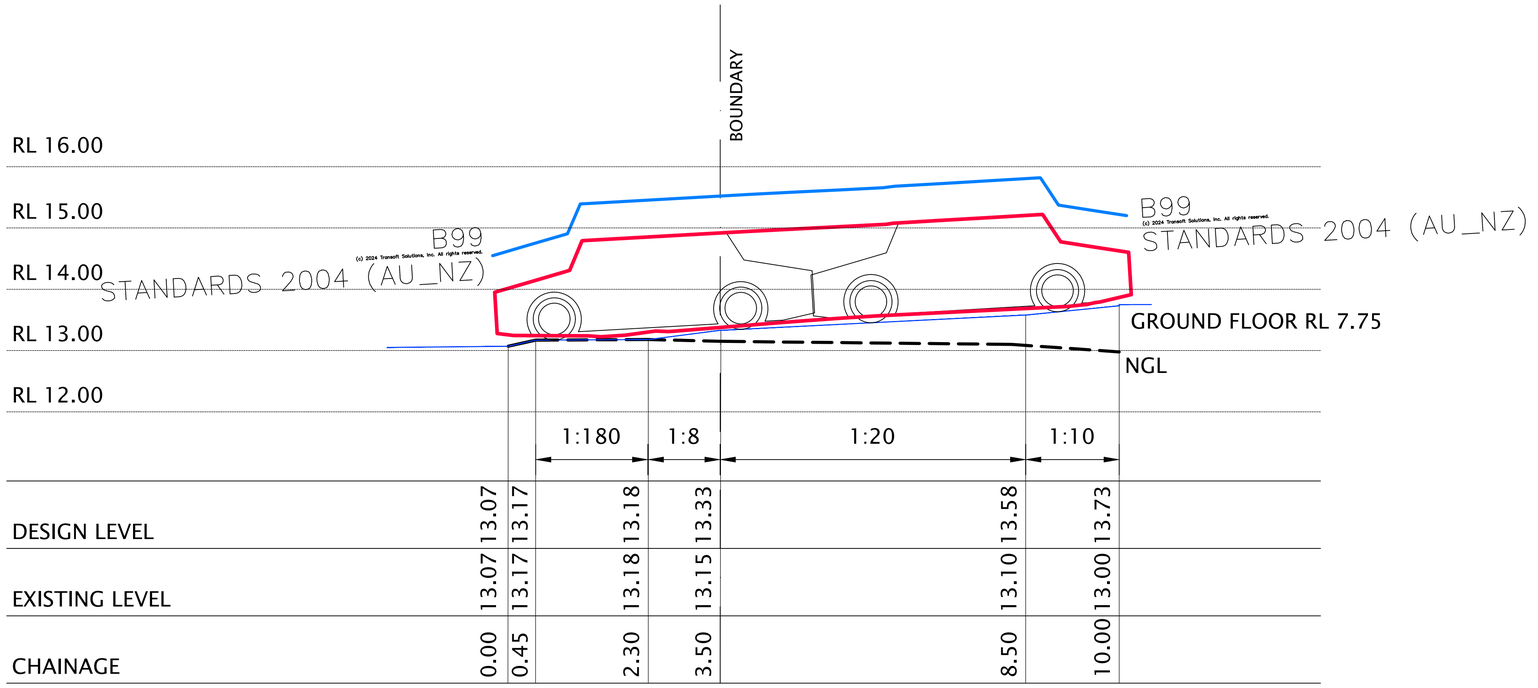
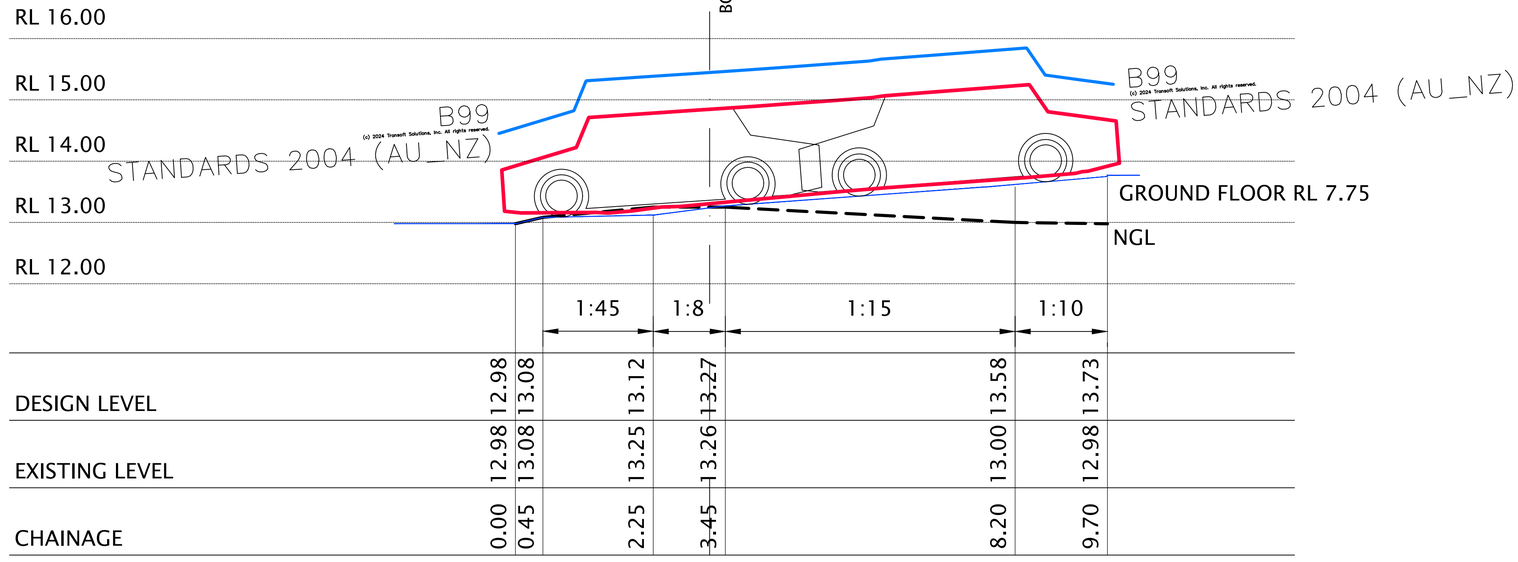
Title	VEHICULAR CROSSING GRADIENTS
Project	SELF-STORAGE PREMISES AND SIGNAGE
At	12 WILLIAM STREET, BROOKVALE NSW
Client	QUB SELF STORAGE

SCALES AS SHOWN			DATE PLOTTED 10/04/24
DRAWN M.V.			
DESIGNED M.V.			DATUM A.H.D.
CHECKED G.U.	DATE CHK'D 10/04/24		
	PROJECT No 23061	DWG C5	REVISION A



DRIVEWAY CRITICAL SECTION 1
(SCALE 1:50)



DRIVEWAY CRITICAL SECTION 2
(SCALE 1:50)

CONCEPT DESIGN
NOT TO BE USED FOR CONSTRUCTION PURPOSES

ISSUE	AMENDMENT	DATE
A	ISSUE FOR ADDITIONAL INFORMATION	10/04/24

PLANS 0 1000 2000 3000 4000 5000

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Title	VEHICULAR CROSSING GRADIENTS
Project	SELF-STORAGE PREMISES AND SIGNAGE
At	12 WILLIAM STREET, BROOKVALE NSW
Client	QUB SELF STORAGE

SCALES	AS SHOWN		DATE PLOTTED 10/04/24
DRAWN	M.V.		
DESIGNED	M.V.		DATUM A.H.D.
CHECKED	G.U.	DATE CHK'D 10/04/24	
		PROJECT No 23061 / DWG C6	REVISION A