

PROPOSED DEVELOPMENT YARRUNGA STREET PRESTONS, NSW

DRAWING LIST:

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GENERAL NOTES:

- THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL ARCHITECTURAL AND OTHER CONSULTANTS' DRAWINGS AND SPECIFICATIONS AND WITH SUCH OTHER WRITTEN INSTRUCTIONS AS MAY BE ISSUED DURING THE COURSE OF THE CONTRACT. ANY DISCREPANCY SHALL BE REFERRED TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.
- ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE RELEVANT AND CURRENT STANDARDS AUSTRALIA CODES AND WITH THE BY-LAWS AND ORDINANCES OF THE RELEVANT BUILDING AUTHORITIES EXCEPT WHERE VARIED BY THE PROJECT SPECIFICATION.
- ALL DIMENSIONS SHOWN SHALL BE VERIFIED BY THE BUILDER ON SITE. ENGINEER'S DRAWINGS SHALL NOT BE SCALED FOR DIMENSIONS. ENGINEER'S DRAWINGS ISSUED IN ANY ELECTRONIC FORMAT MUST NOT BE USED FOR DIMENSIONAL SETOUT.
- REFER TO THE ARCHITECT'S DRAWINGS FOR ALL DIMENSIONAL SETOUT INFORMATION.
- DURING CONSTRUCTION THE STRUCTURE SHALL BE MAINTAINED IN A STABLE CONDITION AND NO PART SHALL BE OVERSTRESSED. TEMPORARY BRACING SHALL BE PROVIDED BY THE BUILDER TO KEEP THE WORKS AND EXCAVATIONS STABLE AT ALL TIMES.
- UNLESS NOTED OTHERWISE ALL LEVELS ARE IN METRES AND ALL DIMENSIONS ARE IN MILLIMETRES.
- ALL WORKS SHALL BE UNDERTAKEN IN ACCORDANCE WITH ACCEPTABLE SAFETY STANDARDS & APPROPRIATE SAFETY SIGNS SHALL BE INSTALLED AT ALL TIMES DURING THE PROGRESS OF THE JOB.

ELECTRONIC INFORMATION NOTES:

- THE ISSUED DRAWINGS IN HARD COPY OR PDF FORMAT TAKE PRECEDENCE OVER ANY ELECTRONICALLY ISSUED INFORMATION, LAYOUTS OR DESIGN MODELS.
- THE CONTRACTOR'S DIRECT AMENDMENT OR MANIPULATION OF THE DATA OR INFORMATION THAT MIGHT BE CONTAINED WITHIN AN ENGINEER-SUPPLIED DIGITAL TERRAIN MODEL AND ITS SUBSEQUENT USE TO UNDERTAKE THE WORKS WILL BE SOLELY AT THE DISCRETION OF AND THE RISK OF THE CONTRACTOR.
- THE CONTRACTOR IS REQUIRED TO HIGHLIGHT ANY DISCREPANCIES BETWEEN THE DIGITAL TERRAIN MODEL AND INFORMATION PROVIDED IN THE CONTRACT AND/OR DRAWINGS AND IS REQUIRED TO SEEK CLARIFICATION FROM THE SUPERINTENDENT.
- THE ENGINEER WILL NOT BE LIABLE OR RESPONSIBLE FOR THE POSSIBLE ON-GOING NEED TO UPDATE THE DIGITAL TERRAIN MODEL, SHOULD THERE BE ANY AMENDMENTS OR CHANGES TO THE DRAWINGS OR CONTRACT INITIATED BY THE CONTRACTOR.

SITE PREPARATION NOTES:

- ALL EARTHWORKS SHALL BE COMPLETED GENERALLY IN ACCORDANCE WITH THE GUIDELINES SPECIFIED BY THE GEOTECHNICAL REPORT No. 115-17293 PROVIDED BY SOIL SURVEYS DATED MAY, 2015.
- EXISTING LEVELS ARE BASED ON INFORMATION PROVIDED BY AAM TITLED 2444A_NOM_SCHWP_DTM_A DATED 12 FEBRUARY 2015 & WOLTER CONSULTING GROUP TITLED SB34.97-01 Issue A DATED 27 AUGUST 2015.
- STRIP ANY TOP SOIL OR DELETERIOUS MATERIAL AND BLEND INTO BATTER TOPSOIL MATERIAL OR STORE AS DIRECTED.
- COMPLETE CUT TO FILL EARTHWORKS TO ACHIEVE THE REQUIRED LEVELS AS INDICATED ON THE DRAWINGS WITHIN A TOLERANCE OF +0mm/-10mm THROUGH BUILDING PADS/PAVEMENTS AND +0mm/-20mm ELSEWHERE.
- TOP 1000mm ROCK BELOW BULK EARTHWORKS LEVEL (BEU) IN AREAS OF CUT TO BE RIPPED AND RECOMPACTED IN ACCORDANCE WITH GEOTECHNICAL ADVICE AS: SITE WON FILL.
- IN AREAS OF FILL, THE TOP 500mm IS TO COMPRISE OF SELECT CRUSHED ROCK, SITE WON FROM AREAS OF CUT IN ROCK.
- PREPARE STEEP BATTERS TO RECEIVE FILL BY CONSTRUCTING BENCHING TO FACILITATE FILL PLACEMENT AND COMPACTION.
- AREAS TO RECEIVE FILL (THAT ARE NOT ON BENCHED BATTERS) AND AREAS IN CUT SHALL BE PROOF ROLLED TO IDENTIFY ANY SOFT HEAVING MATERIAL. SOFT MATERIAL SHALL BE BOXED OUT AND REMOVED PRIOR TO FILL PLACEMENT.
- SITE WON FILL TO BE PLACED IN MAXIMUM 300mm LOOSE LAYERS AND COMPACTED TO 100% STANDARD AND WITHIN 2% OF OPTIMUM MOISTURE CONTENT.
- IMPORTED FILL SHALL BE PLACED IN MAXIMUM 300mm LOOSE LAYERS AND COMPACTED TO 100% STANDARD AND WITHIN 2% OF OPTIMUM MOISTURE CONTENT.
- MAXIMUM PARTICLE SIZE TO BE THE SMALLER OF 150mm OR HALF THE (LOOSE) LAYER THICKNESS AND/OR TWO THIRDS THE LAYER THICKNESS AFTER COMPACTION.
- ALL EARTHWORKS SHALL BE COMPLETED UNDER LEVEL 1 CONTROL IN ACCORDANCE WITH AS 3798-2007.
- PRIOR TO ANY EARTHWORKS, EROSION CONTROL AS OUTLINED IN THE EROSION AND SEDIMENTATION CONTROL PLAN SHALL BE COMPLETED.
- EXISTING ROCK, IF ANY, SHALL BE REMOVED BY HEAVY ROCK BREAKING OR RIPPING.
- MATCH EXISTING LEVELS AT BATTER INTERFACE.
- CONTRACTOR TO MATCH EXISTING LEVELS AT THE INTERFACE OF EARTHWORKS AND EXISTING SURFACE AT BATTER LOCATIONS OR WHERE NO RETAINING WALLS ARE PRESENT. ANY DISCREPANCY BETWEEN DESIGN AND EXISTING LEVELS TO BE REFERRED TO THE ENGINEER FOR DIRECTION OR ADJUSTMENTS TO DESIGN LEVELS.



LOCALITY PLAN
NOT TO SCALE

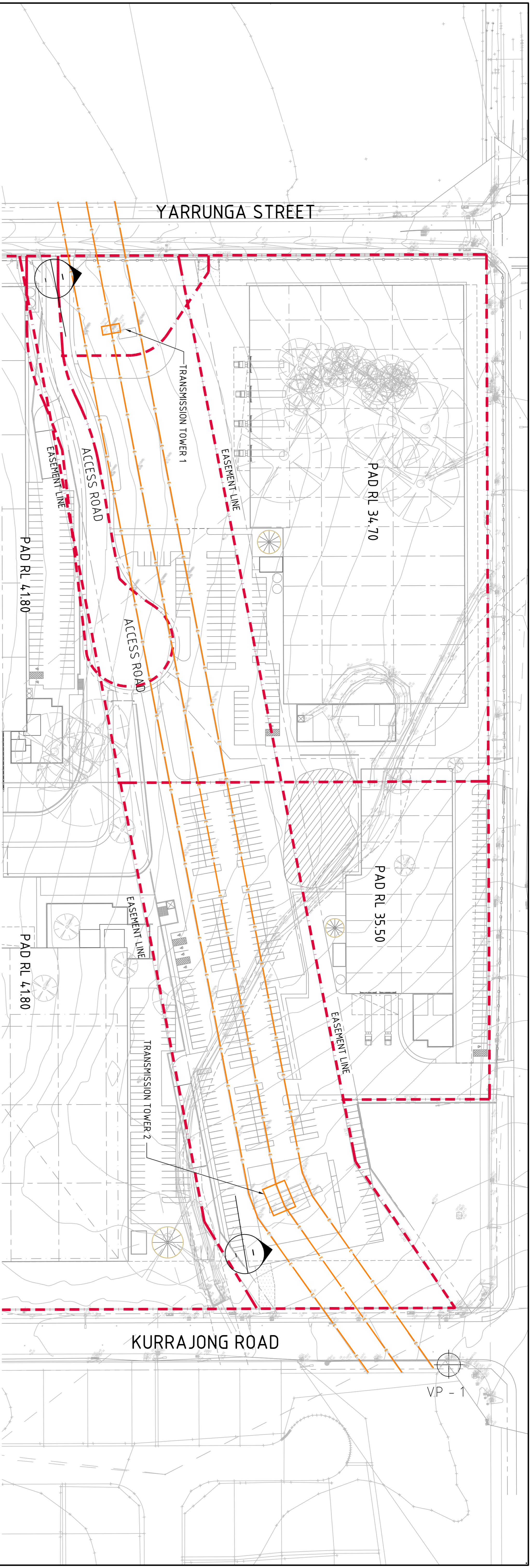
ARCHITECT		CLIENT		PROJECT		CONSULTANT		DRAWING TITLE	
ISSUED FOR DEVELOPMENT APPROVAL	21/01/16	LOGOS PROPERTY	SUITE 02, LEVEL 12	PROPOSED DEVELOPMENT	32 YARRUNGA STREET	COSTIN ROE CONSULTING	Level 1, 8 Miranda Street	DRAWING LIST AND	
ISSUED FOR DEVELOPMENT APPROVAL	18/11/15	167 MACQUARIE STREET	SYDNEY NSW	PRESTONS NSW	PRECISIONS NSW	875311-DA10	Melb 1, 8 Miranda Street	GENERAL NOTES	
ISSUED FOR REVIEW	05/11/15						Phone (02) 959 3799 Fax (02) 924 3791	DRAWING No	
AMENDMENTS	DATE						email: mail@costinroe.com.au @	C08753.11-DA10	
	ISSUE								

**FOR DEVELOPMENT
APPROVAL**

CostinRoe

Consulting

Value in Engineering and Management



TRANSMISSION LINE PLAN
SCALE 1:750

CHAINAGE (m)	NATURAL SURFACE (m)	PAD LEVEL (m)	PRE-DEVELOPMENT CLEARANCE (m)	POST-DEVELOPMENT CLEARANCE (m)	POWER LINES (m)
0.000	37.046				56.918
3.650	37.064				
6.870	37.080				
15.374	37.124	34.700			
34.511	37.260	34.700			
53.121	37.328	34.700			
60.259		34.700	14.822	17.512	52.212
71.459	37.488	34.700			
96.782	37.160	34.700			49.805
105.100	36.936	34.700	12.814	15.105	
107.800		34.700			
153.310		34.700	12.244	13.763	48.463
173.896	35.894	34.700			
198.491	35.832	35.500	12.926	13.158	48.658
208.228		35.500	12.979	13.200	48.700
240.681	35.353	35.500			
257.820	34.554	35.500			
262.889		35.500	15.988	14.994	50.494
274.820	34.395	35.500			
280.110	33.798	35.500			
281.110	34.446	35.500			
309.810	35.480	35.500			
317.210		35.500	18.390	18.632	54.132
339.799					56.195
340.875	36.580		19.653		

TRANSMISSION LINE LONGSECTION
SCALE 1:750

NOTES:
EXISTING LEVELS ARE BASED ON INFORMATION PROVIDED BY LAND PARTNERS TITLED SY073596.000 _DETAIL SURVEY DATED 23/03/2015.
REFER TO ABOVE DRAWINGS FOR TEMPERATURE AND TIME OF SURVEY AT THE NOMINATED POWER LINES.

NOTE: ALL LEVELS ARE INDICATIVE & MAY BE SUBJECT TO MINOR VARIATION TO SUIT DETAILED DESIGN.



ISSUED FOR DEVELOPMENT APPROVAL	23.02.16	F
ISSUED FOR DEVELOPMENT APPROVAL	18.02.16	E
ISSUED FOR DEVELOPMENT APPROVAL	21.01.16	D
ISSUED FOR DEVELOPMENT APPROVAL	25.11.15	C
ISSUED FOR DEVELOPMENT APPROVAL	18.11.15	B
ISSUED FOR REVIEW	05.10.15	A
AMENDMENTS		

ARCHITECT	CLIENT
	LOGOS PROPERTY
	SUITE 02 LEVEL 12
	167 MACQUARIE STREET
	SYDNEY NSW

PROJECT	DESIGNED (DRAWN)	DATE	CHECKED	SCALE	DATE	DATE	DATE
PROPOSED DEVELOPMENT	NW	SD	AT				

PROJECT	DESIGNED (DRAWN)	DATE	CHECKED	SCALE	DATE	DATE	DATE
PROPOSED DEVELOPMENT	NW	SD	AT				

CONSULTANT	DESIGNED (DRAWN)	DATE	CHECKED	SCALE	DATE	DATE	DATE
PROPOSED DEVELOPMENT	NW	SD	AT				

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DRAWING TITLE	DRAWING No.	ISSUE
TRANSMISSION LINE PLAN AND LONGSECTION	C08753-11-DA15	F

FOR DEVELOPMENT APPROVAL

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SEDIMENTATION BASIN NOTE:

FOR SEDIMENT & EROSION CONTROL DETAILS REFER TO DRAWING C08753-00-C25&L26.

SEDIMENTATION BASIN SIZING BASED ON RECOMMENDATIONS OF 'SOILS AND CONSTRUCTION MANAGING URBAN STORMWATER - THE BLUE BOOK' CAPACITY BASED UPON 5 DAY RAINFALL DEPTH AT 85th PERCENTILE INTENSITY (32.7mm).

APPROXIMATE AREA OF DISTURBED SITE = 19.5 HA

SEDIMENTATION BASINS TO COLLECT RUN-OFF IN EXTREME RAINFALL EVENTS. COLLECTED RUN-OFF TO BE ASSESSED BY A QUALIFIED LABORATORY FOR LOSING RATES OF ALUM OR GYPSUM TO ENSURE COAGULATION OF SEDIMENTS PRIOR TO WATER BEING DISCHARGED TO COUNCIL STORMWATER SYSTEM.

EACH BASIN IS TO HAVE A MARKER PLACED AS PER THE DETAIL TO INDICATE WHEN SEDIMENT IS TO BE REMOVED. REMOVED SEDIMENT IS TO BE CLASSED AND DEWATERED PRIOR TO REMOVAL FROM SITE.

ALLOWANCE TO BE MADE DURING BENCHING OF SITE TO ENSURE RUN-OFF IS DIRECTED TO SEDIMENTATION BASINS.

NOTES:

1. ASSUME TYPE D SOIL (CLAY/SILT Y CLAY)
 2. ASSUME GROUP D SOIL (HIGH PLASTICITY AND SHRINK/SWELL PROPERTIES)
- SOIL TYPE ASSESSED FROM GEOTECHNICAL REPORT PROVIDED BY XXXX TITLED XXXX DATED XXXX.

SEDIMENT BASIN 1:

CATCHMENT AREA = 4.68ha
 REQUIRED BASIN VOLUME = 1130m³
 BASE DIMENSION (LxB) = 12.0m x 4.1m
 TOP DIMENSION (LxB) = 21.0m x 5.0m
 MAX SIDE SLOPE = 1V:3H
 DEPTH = 1.5m
 PROVIDED BASIN VOLUME = 1199m³

SEDIMENT BASIN 2:

CATCHMENT AREA = 3.86ha
 REQUIRED BASIN VOLUME = 932m³
 BASE DIMENSION (LxB) = 20.0m x 21.0m
 TOP DIMENSION (LxB) = 29.0m x 30.0m
 MAX SIDE SLOPE = 1V:3H
 DEPTH = 1.5m
 PROVIDED BASIN VOLUME = 94.7m³

SEDIMENT BASIN 3:

CATCHMENT AREA = 10.50ha
 REQUIRED BASIN VOLUME = 2536m³
 BASE DIMENSION (LxB) = 30.0m x 45.0m
 TOP DIMENSION (LxB) = 39.0m x 54.0m
 MAX SIDE SLOPE = 1V:3H
 DEPTH = 1.5m
 PROVIDED BASIN VOLUME = 2571m³

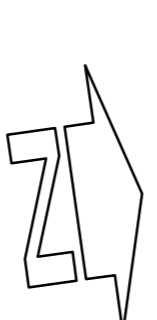
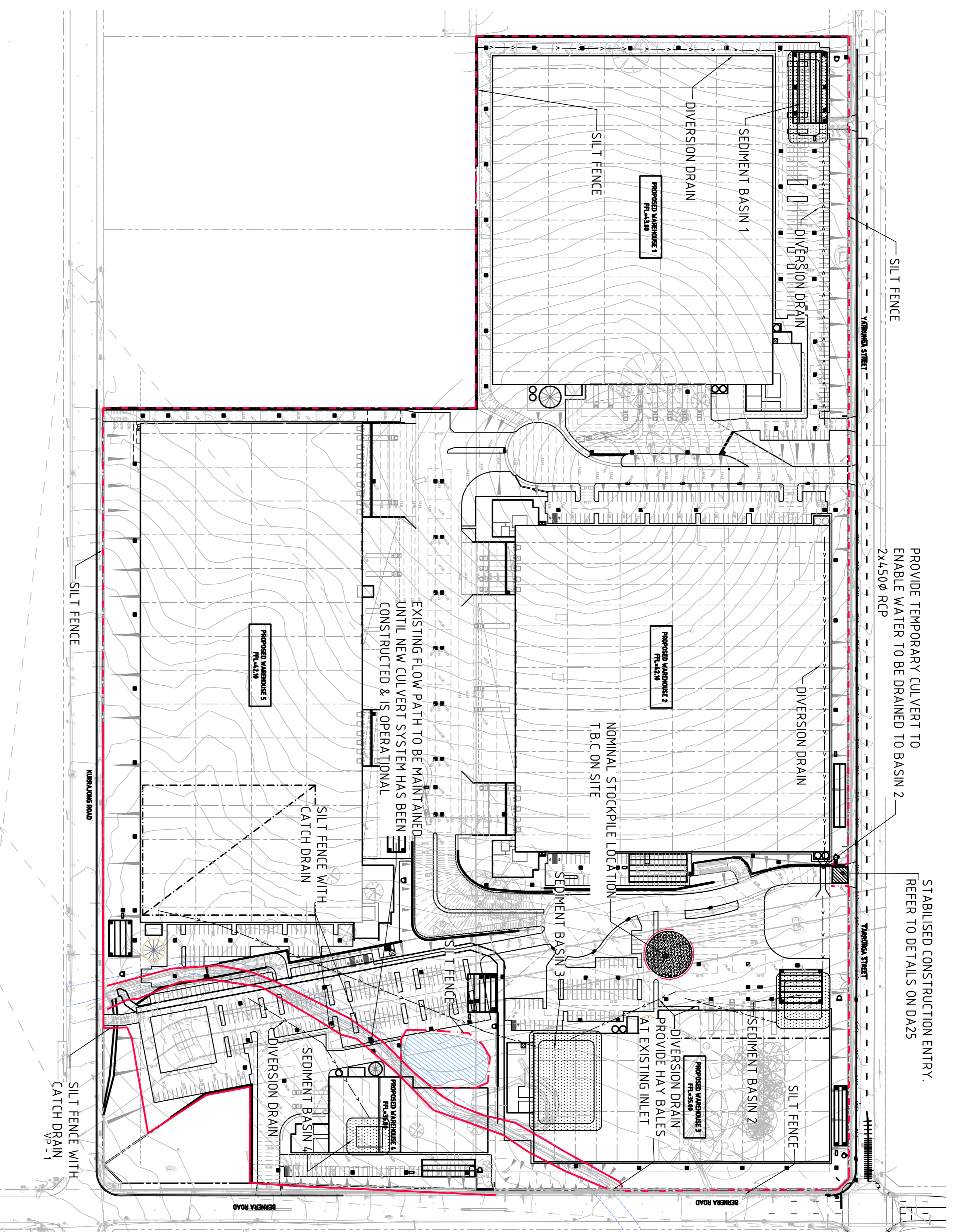
SEDIMENT BASIN 4:

CATCHMENT AREA = 18ha
 REQUIRED BASIN VOLUME = 435m³
 BASE DIMENSION (LxB) = 11.0m x 14.0m
 TOP DIMENSION (LxB) = 20.0m x 23.0m
 MAX SIDE SLOPE = 1V:3H
 DEPTH = 1.5m
 PROVIDED BASIN VOLUME = 44.0m³

EROSION CONTROL NOTES

ALL CONTROL WORK INCLUDING DIVERSION BANKS AND CATCH DRAINS, V-DRAINS AND SILT FENCES SHALL BE COMPLETED DIRECTLY FOLLOWING THE COMPLETION OF THE EARTHWORKS.

1. SILT FENCES AND SILT FENCE RETURNS SHALL BE ERECTED CONVEX TO THE CONTOUR TO POND WATER.
2. HAY BALE BARRIERS AND GEOTEXTILE FENCES ARE TO BE CONSTRUCTED TO TOP OF BATTER, PRIOR TO COMMENCEMENT OF EARTHWORKS, IMMEDIATELY AFTER CLEARING OF VEGETATION AND BEFORE REMOVAL OF TOP SOIL.
3. ALL TEMPORARY EARTH BENCHS, DIVERSION AND SILT DAM EMBANKMENTS ARE TO BE MACHINE COMPACTED, SEEDED AND MULCHED FOR TEMPORARY VEGETATION COVER AS SOON AS THEY HAVE BEEN FORMED.
4. CLEAR WATER IS TO BE DIVERTED AWAY FROM DISTURBED GROUND AND INTO THE DRAINAGE SYSTEM.
5. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING AND PROVIDING ON GOING ADJUSTMENT TO EROSION CONTROL MEASURES AS REQUIRED DURING CONSTRUCTION.
6. ALL SEDIMENT TRAPPING STRUCTURES AND DEVICES ARE TO BE INSPECTED AFTER STORMS FOR STRUCTURAL DAMAGE OR CLOGGING. TRAPPED MATERIAL IS TO BE REMOVED TO A SAFE, APPROVED LOCATION.
7. ALL FINAL EROSION PREVENTION MEASURES INCLUDING THE ESTABLISHMENT OF GRASSING ARE TO BE MAINTAINED UNTIL THE END OF THE DEFECTS LIABILITY PERIOD.
8. ALL EARTHWORKS AREAS SHALL BE ROLLED ON A REGULAR BASIS TO SEAL THE EARTHWORKS.
9. ALL FILL AREAS ARE TO BE LEFT WITH A BUND AT THE TOP OF THE SLOPE AT THE END OF EACH DAYS EARTHWORKS. THE HEIGHT OF THE BUND SHALL BE A MINIMUM OF 200MM.
10. ALL CUT AND FILL SLOPES ARE TO BE SEEDED AND HYDROMULCHED WITHIN 10 DAYS OF COMPLETION OF FORMATION.
11. AFTER REVEGETATION OF THE SITE IS COMPLETE AND THE SITE IS STABLE IN THE OPINION OF A SUITABLY QUALIFIED PERSON ALL TEMPORARY WORK SUCH AS SILT FENCE, DIVERSION DRAINS ETC SHALL BE REMOVED.
12. ALL TOPSOIL STOCKPILES ARE TO BE SUITABLY COVERED TO THE SATISFACTION OF THE SITE MANAGER TO PREVENT WIND AND WATER EROSION.
13. ANY AREA THAT IS NOT APPROVED BY THE CONTRACT ADMINISTRATOR FOR CLEARING OR DISTURBANCE BY THE CONTRACTOR'S ACTIVITIES SHALL BE CLEARLY MARKED AND SIGN POSTED, FENCED OFF OR OTHERWISE APPROPRIATELY PROTECTED AGAINST ANY SUCH DISTURBANCE.
14. ALL STOCKPILE SITES SHALL BE SITUATED IN AREAS APPROVED FOR SUCH USE BY THE SITE MANAGER. A 6m BUFFER ZONE SHALL EXIST BETWEEN STOCKPILE SITES AND ANY STREAM OR FLOW PATH. ALL STOCKPILES SHALL BE ADEQUATELY PROTECTED FROM EROSION AND CONTAMINATION OF THE SURROUNDING AREA BY USE OF THE MEASURES APPROVED IN THE EROSION AND SEDIMENTATION CONTROL PLAN.
15. ACCESS AND EXIT AREAS SHALL INCLUDE SHAKE-DOWN OR OTHER METHODS APPROVED BY THE SITE MANAGER FOR THE REMOVAL OF SOIL MATERIALS FROM MOTOR VEHICLES.
16. THE CONTRACTOR IS TO ENSURE RUNOFF FROM ALL AREAS WHERE THE NATURAL SURFACE IS DISTURBED BY CONSTRUCTION, INCLUDING ACCESS ROADS, DEPOT AND STOCKPILE SITES, SHALL BE FREE OF POLLUTANTS BEFORE IT IS EITHER DISPERSED TO STABLE AREAS OR DIRECTED TO NATURAL WATERCOURSES.
17. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN SLOPES, CROWNS AND DRAINS ON ALL EXCAVATIONS AND EMBANKMENTS TO ENSURE SATISFACTORY DRAINAGE AT ALL TIMES WATER SHALL NOT BE ALLOWED TO POND ON THE WORKS UNLESS SUCH PONDING IS PART OF AN APPROVED ESCP / SWMP.



EROSION AND SEDIMENT CONTROL PLAN
 SCALE 1:1500

FOR DEVELOPMENT APPROVAL

NOTE: ALL LEVELS ARE INDICATIVE & MAY BE SUBJECT TO MINOR VARIATION TO SUIT DETAILED DESIGN.
 SCALE 1:1500 AT A1 SIZE SHEET

ISSUED FOR DEVELOPMENT APPROVAL	23/02/16	F
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AMENDMENTS	DATE	ISSUE

ARCHITECT

CLIENT
LOGOS PROPERTY
 SUITE 02 LEVEL 12
 167 MACQUARIE STREET
 SYDNEY NSW

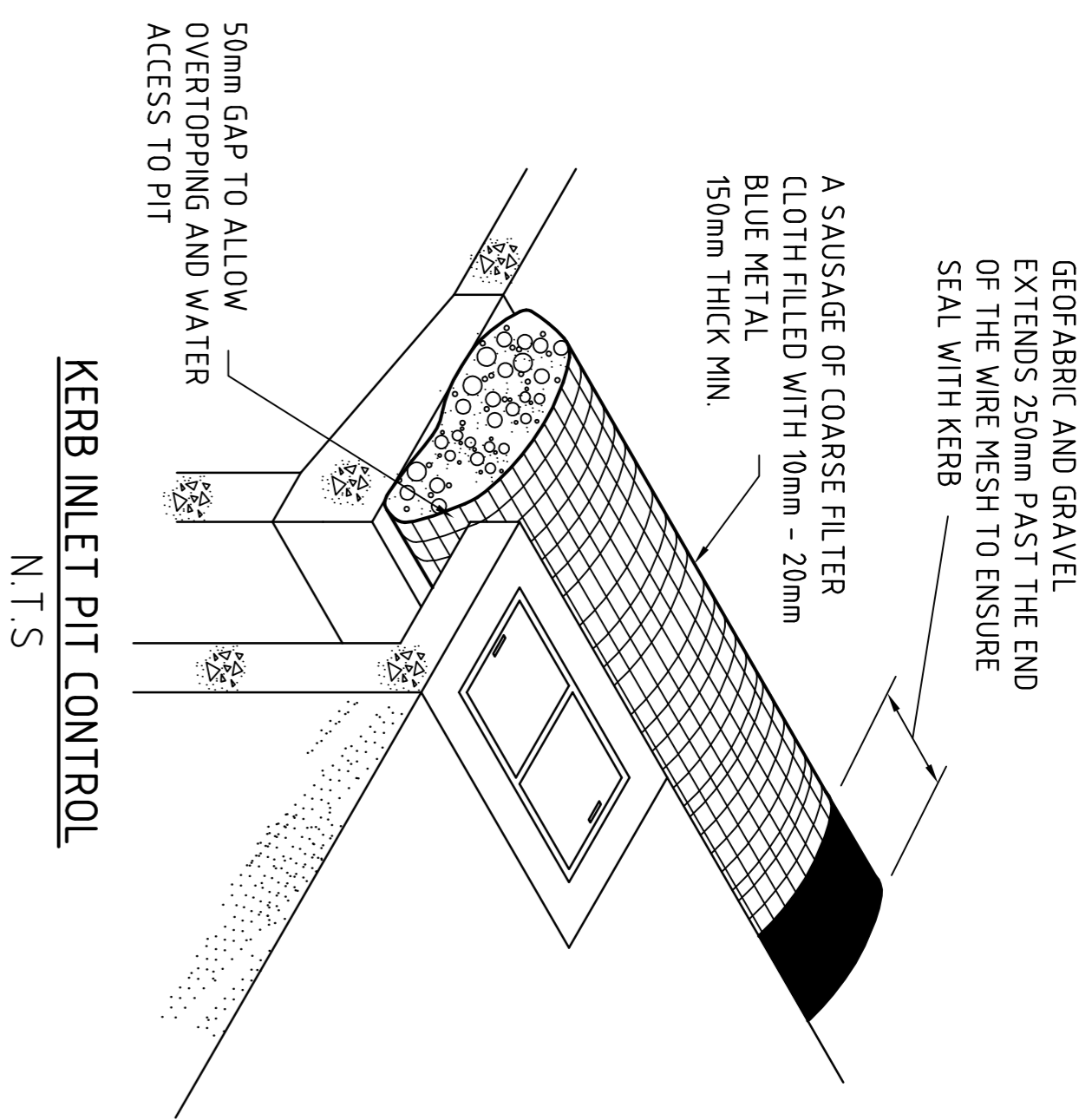
PROJECT
PROPOSED DEVELOPMENT
 37 YARRUNGA STREET
 PRESTONS NSW

CONSULTANT

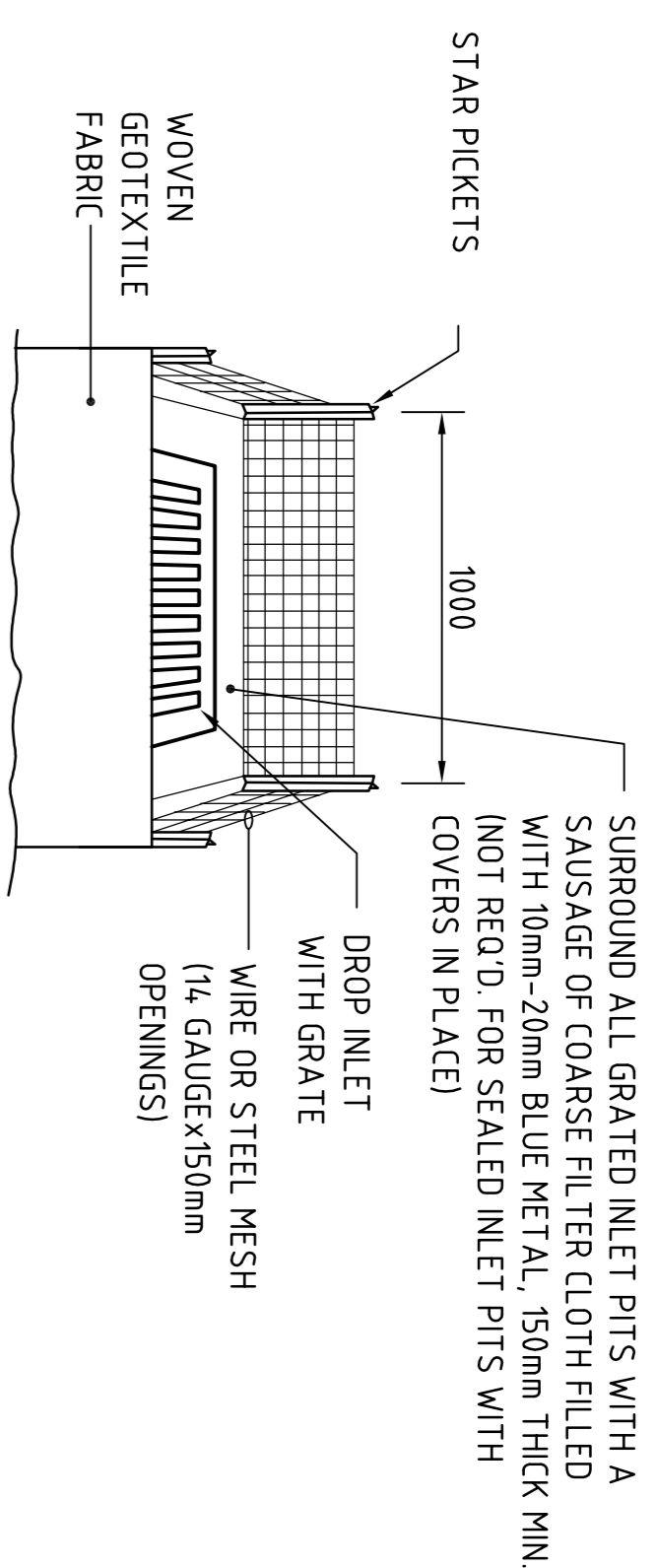
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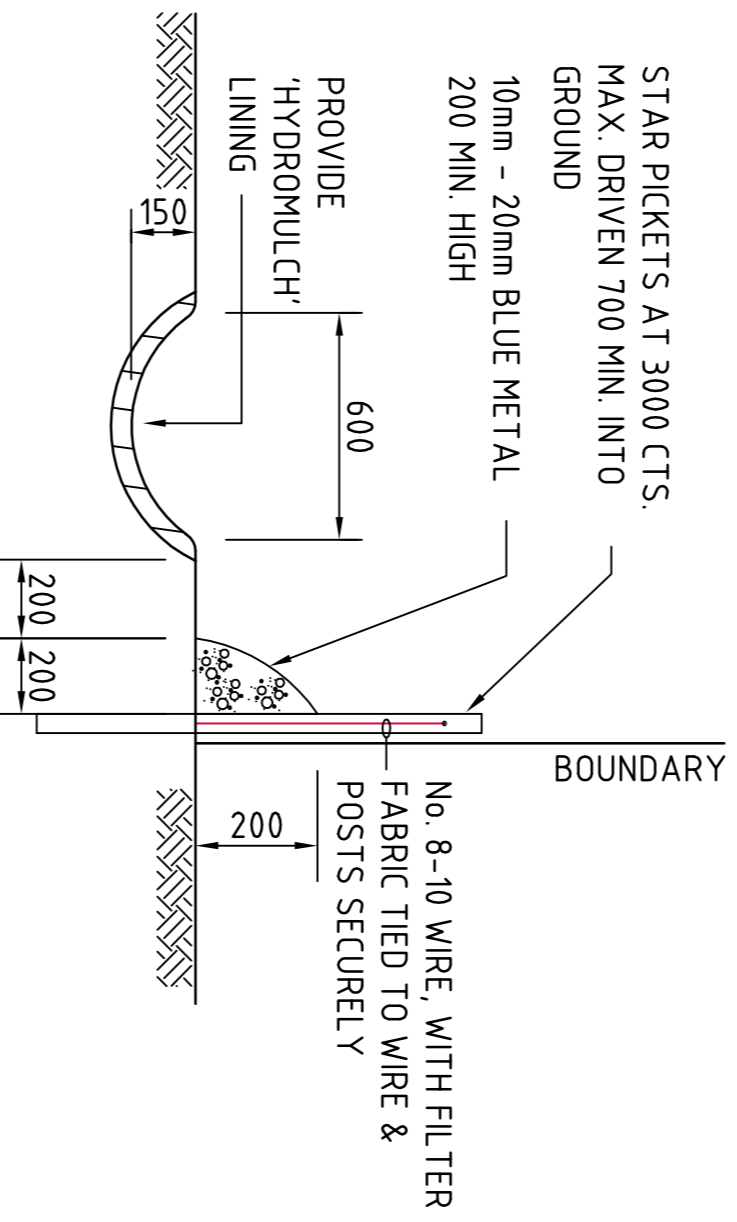
DRAWING TITLE
EROSION AND SEDIMENT CONTROL PLAN
 DRAWING NO. C08753-11-DA20



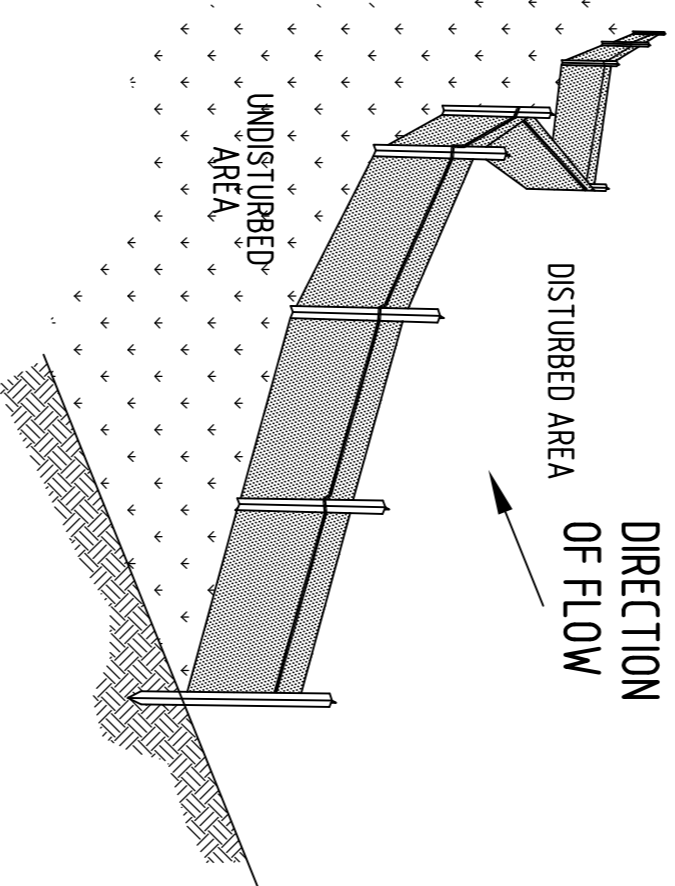
NOTE: ADOPT ABOVE DETAILS AROUND ALL PITS WITHIN AREA ENCOMPASSED BY SILT FENCE & TO PITS ON THE ROAD ADJACENT TO SITE BOUNDARY.



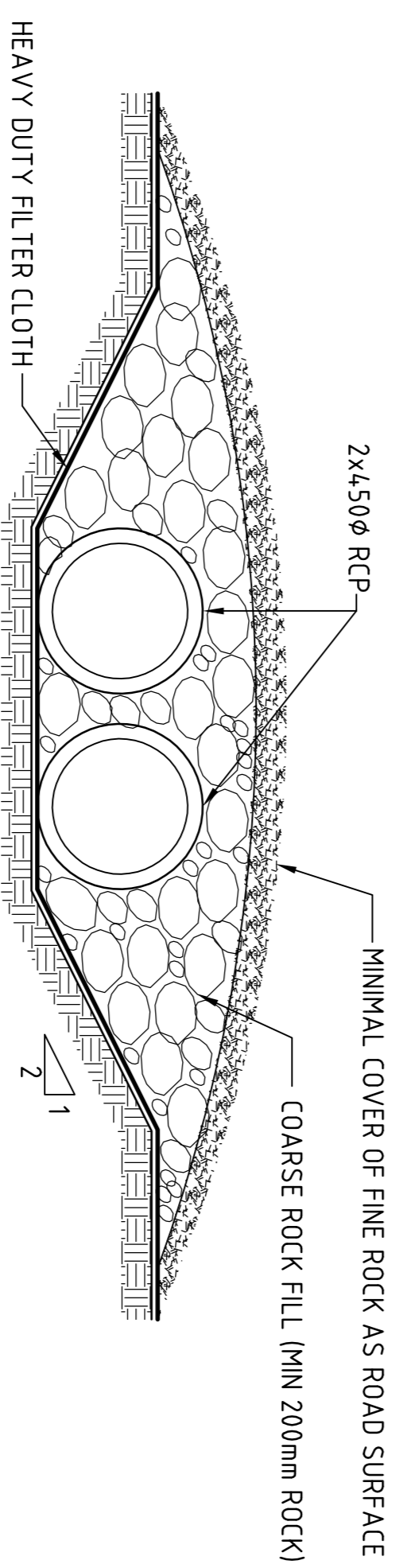
GRADED INLET PIT FILTER DETAIL
N.T.S.



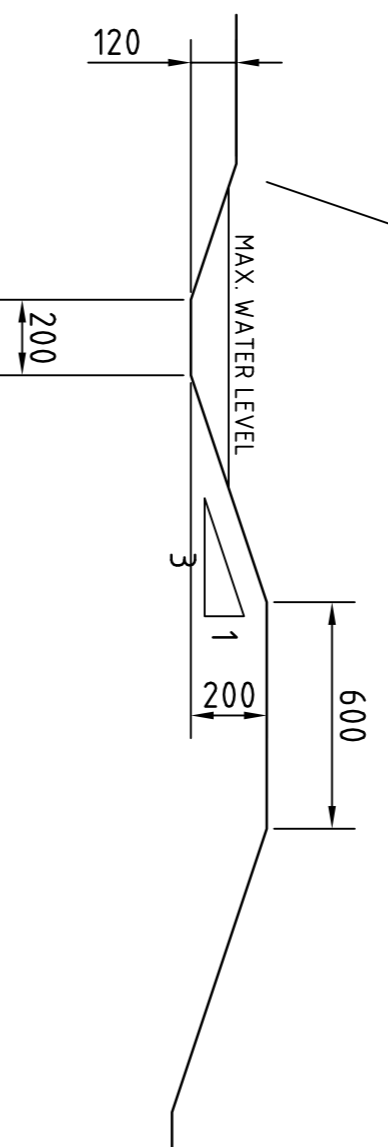
TYPICAL OPEN DRAIN & SILT FENCE
SCALE 1:20



TYPICAL SILT FENCE DETAIL
N.T.S.
PROVIDE 1m RETURNS AT 30m INTERVALS.
TYPICAL.

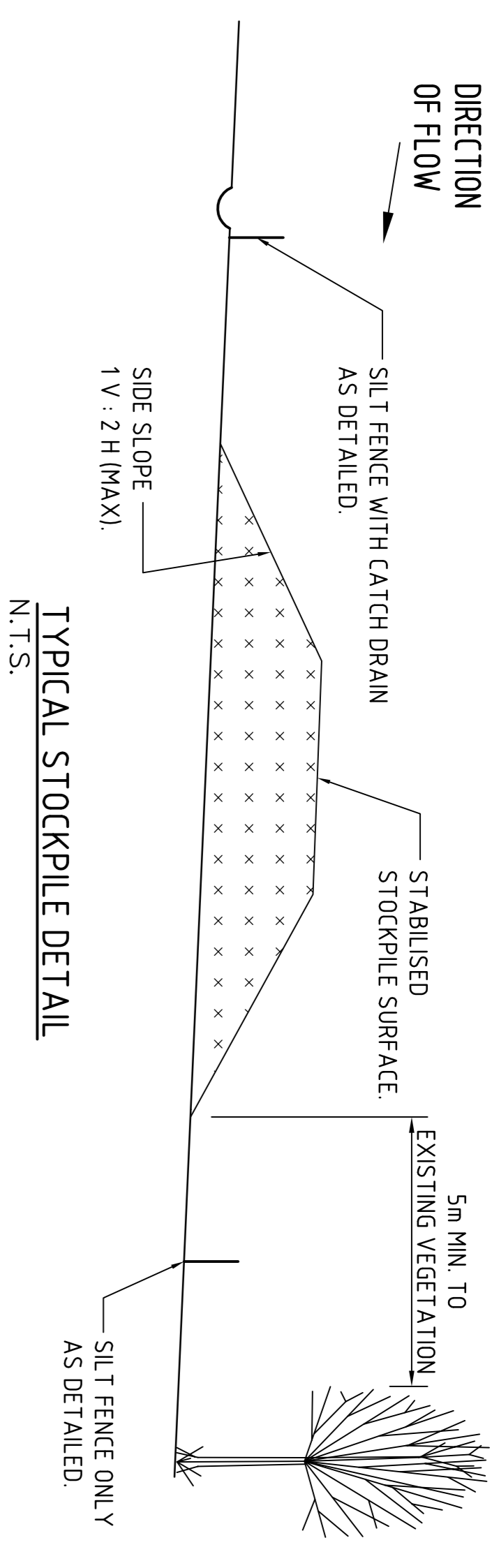


TYPICAL CROSSING OVER DIVERSION CHANNEL
SCALE 1:20



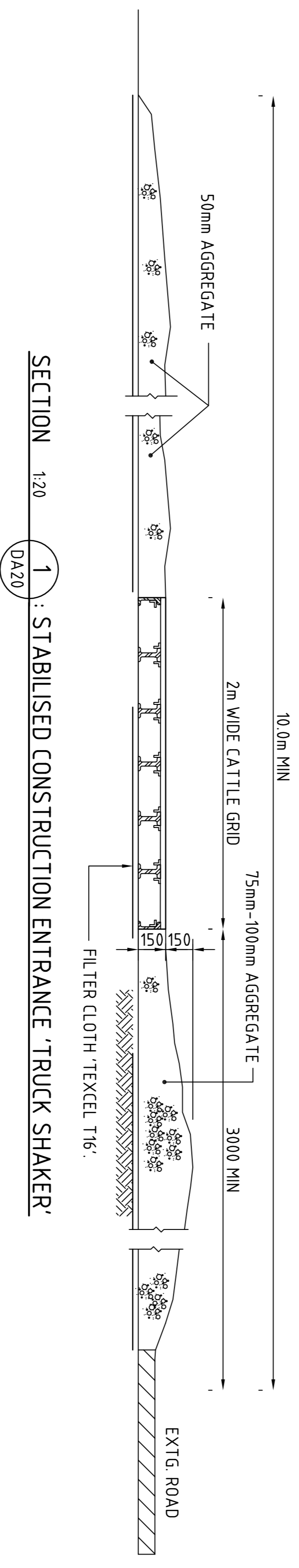
TYPICAL DIVERSION DRAIN SECTION
SCALE 1:20

DIVERSION CHANNEL CAPACITY
Q2month = 23.2 l/s (A=0.2Ha MAX.)
MANNINGS n=0.02, MIN. SLOPE = 0.5%
CHANNEL CAPACITY (d=100mm) = 27 l/s + 50mm FREEBOARD
VELOCITY = 0.5 m/s < 1.0 m/s THEREFORE NO SCOUR PROTECTION REQ'D.



TYPICAL STOCKPILE DETAIL
N.T.S.

STOCKPILE NOTES
1. PLACE ALL STOCKPILES IN LOCATIONS MORE THAN 5m FROM EXISTING VEGETATION, ROADS & HAZARD AREAS.
2. CONSTRUCT ON THE CONTOUR AS LOW, FLAT ELONGATED MOUNDS. SIDE SLOPE TO BE 1 V: 2 H MAX.
3. WHERE THERE IS SUFFICIENT AREA, TOPSOIL STOCKPILES SHALL BE LESS THAN 2m IN HEIGHT.
4. WHERE STOCKPILES ARE TO BE IN PLACE FOR MORE THAN 10 DAYS, STABILISE USING WOOD CHIP MULCH - 16 TONNE/ha
5. CONSTRUCT SILT FENCE WITH CATCH DRAIN ON UP-SLOPE SIDE TO DIVERT WATER AROUND STOCKPILES & SILT FENCE ONLY 1 TO 2m DOWNSLOPE AS SHOWN.



**FOR DEVELOPMENT
APPROVAL**



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AMENDMENTS	DATE	ISSUE

ARCHITECT

CLIENT
LOGOS PROPERTY
SUITE 02, LEVEL 12
167 MACQUARIE STREET
SYDNEY NSW

PROJECT
PROPOSED DEVELOPMENT
32 YARRUNGA STREET
PRESTONS NSW

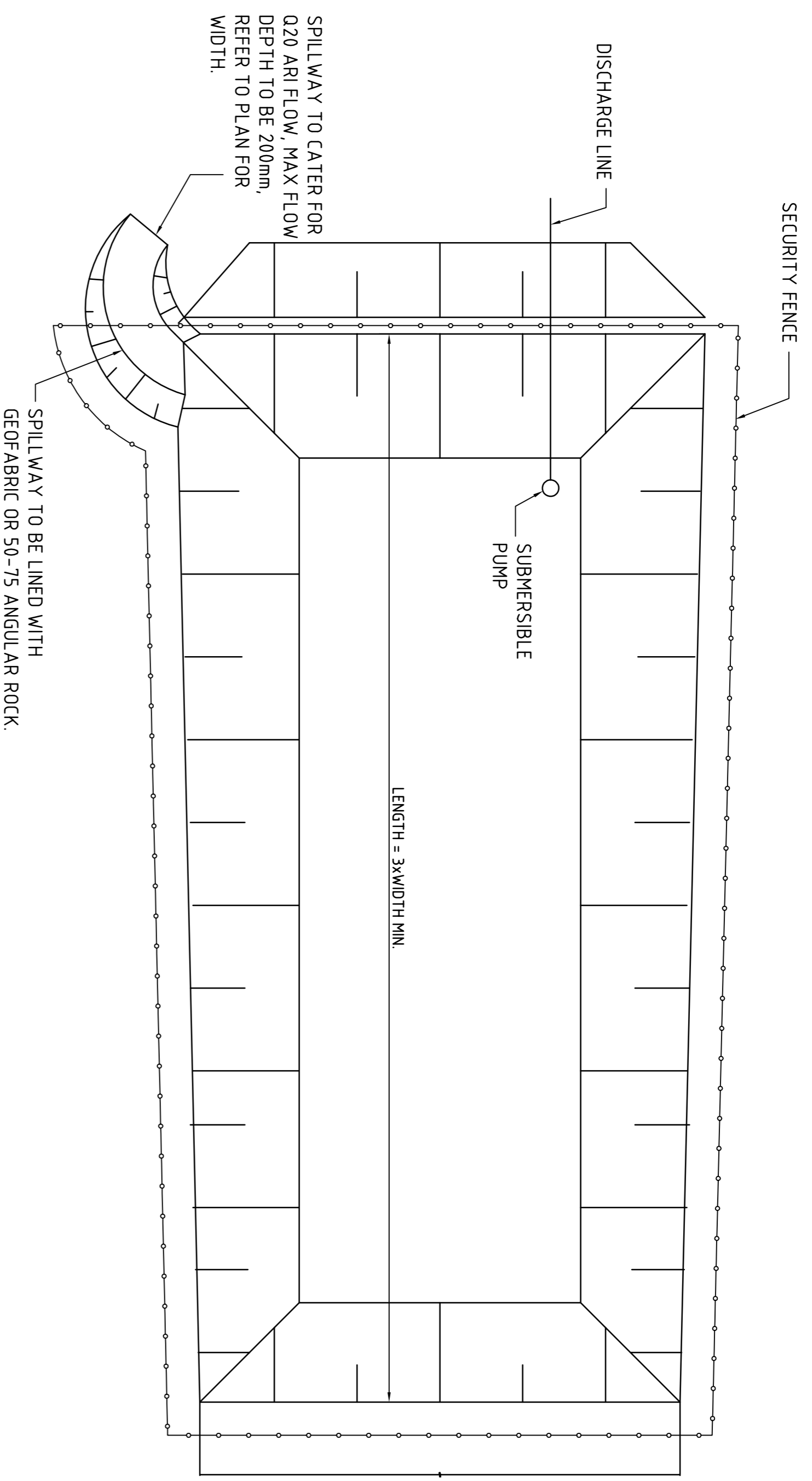
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DESIGNED DRAWN / SD
CHECKED / AI
SCALE
CADD REF: 875311-DA25

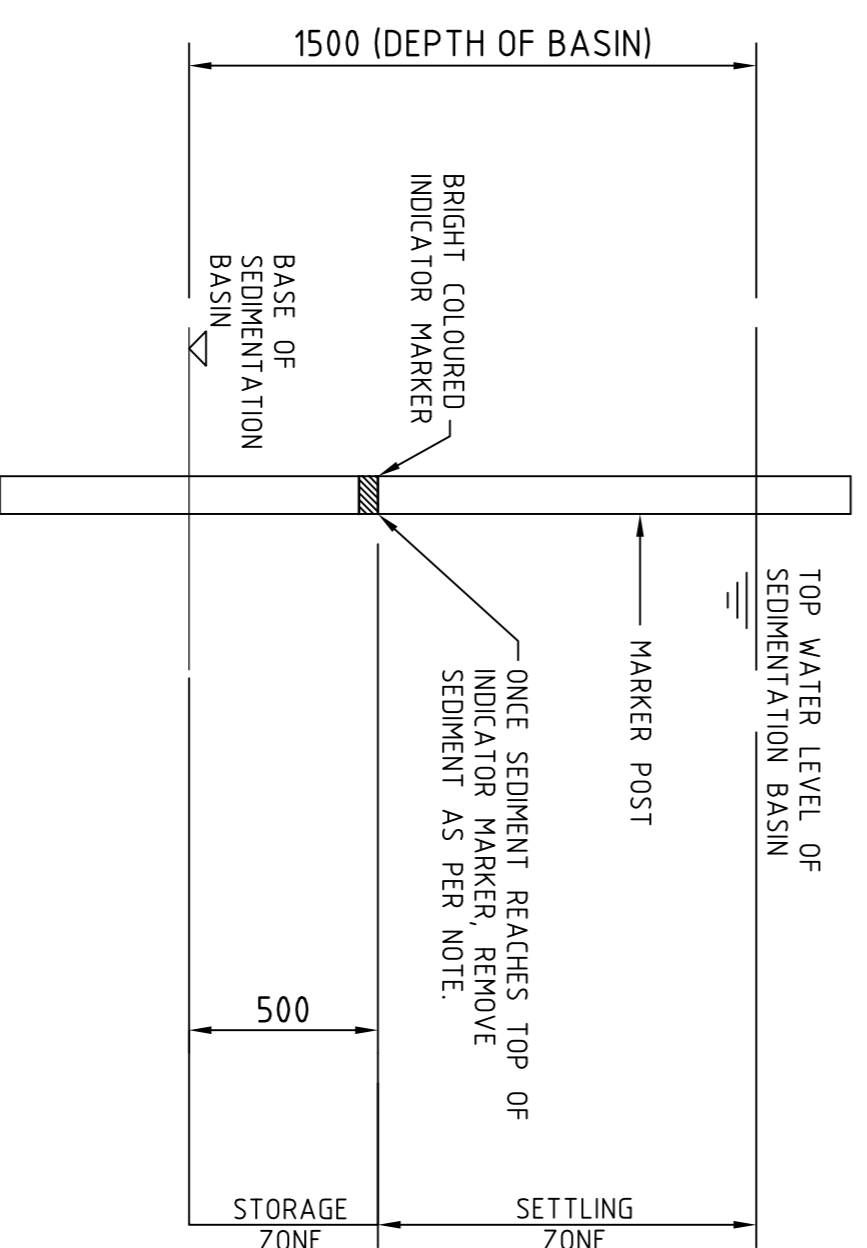
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CostinRoe Consulting
Value in Engineering and Management

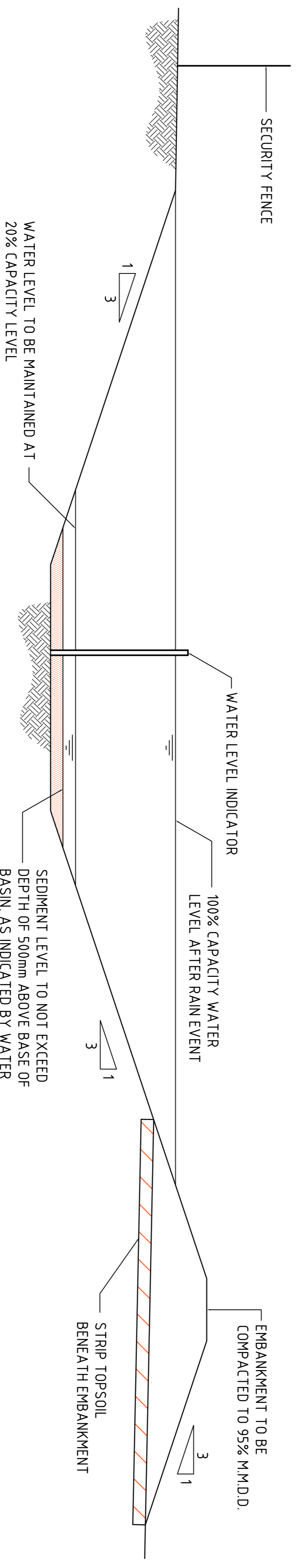
DRAWING TITLE
**EROSION AND SEDIMENT CONTROL
DETAILS-SHEET 1**
DRAWING No. C08753.11-DA25
ISSUE B



TYPICAL SEDIMENT CONTROL POND PLAN
SCALE 1:250



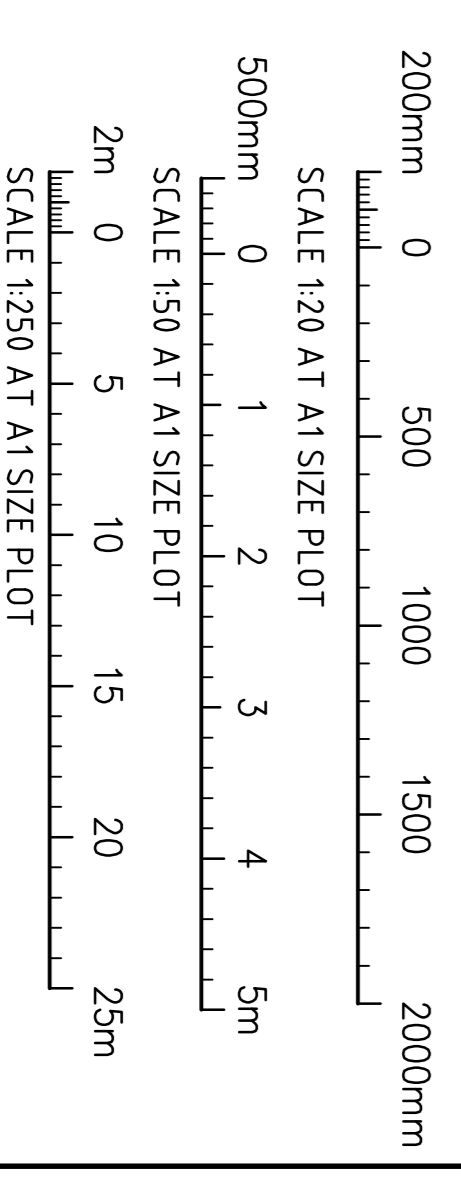
SEDIMENT STORAGE MARKER
SCALE 1:20



TYPICAL SEDIMENT CONTROL BASIN SECTION
SCALE 1:50

- SEDIMENT CONTROL POND NOTES:**
1. TYPE D BASIN IS REQUIRED.
 2. VOLUME OF TYPE D POND SHALL BE AS NOMINATED ON DRAWING DA20. NOMINAL POND LOCATIONS AND NOMINAL DIMENSIONS.
 3. SEDIMENT BUILD UP TO NOT EXCEED 33% TOTAL CAPACITY OF POND.
 4. WATER LEVEL TO BE MAINTAINED AT 20% CAPACITY DURING SETTLING PERIOD.
 5. LENGTH TO WIDTH RATIO TO BE 3:1 MIN. TYPICAL DEPTH TO BE 1.5m.
 6. PROVIDE SECURITY FENCE TO POND FOR SAFETY.
 7. DEMATERING OF POND TO BE PERFORMED TO THE BOTTOM OF THE SEDIMENT SETTLING ZONE FOLLOWING ACHIEVEMENT OF 4000 s. MANAGEMENT OF DOSAGE AND DISCHARGE TO BE ACHIEVED IN A TIMELY MANNER BEFORE THE NEXT RAIN EVENT AND WITHIN 5 DAYS OF THE INITIAL RAINFALL EVENT.
 8. WATER TO BE DOSED WITH GYPSUM TO ACCELERATE SETTLEMENT OF SUSPENDED SOLIDS.
 9. GYPSUM DOSAGE RATE TO BE APPLIED AT APPROX. 32kg PER 100 CUBIC METRE OF COLLECTED RUNOFF.
 10. THE USE OF ALUM AS A FLOCCULANT IS NOT RECOMMENDED AND IS TO BE USED ONLY FOLLOWING CONSULTATION WITH AND ACCEPTANCE FROM GOLD COAST CITY COUNCIL ESC OFFICERS.
 11. DISCHARGE FROM POND IS PERMISSIBLE WHEN THE WATER PH IS 6.5-8.5 AND IS CLARIFIED TO AT OR BELOW A TSS OF 50mg/L (75 NTU). CLARIFICATION WOULD GENERALLY BE ACHIEVED IN 36-72 HOURS WITH THE USE OF GYPSUM.
 12. DEMATERING SHALL BE DONE IN SUCH A MANNER AS TO REMOVE THE RELATIVELY CLEAN WATER WITHOUT REMOVING OR DISTURBING THE SEDIMENT THAT HAS SETTLED. THE PUMP INTAKE PIPE IS NOT TO REST ON THE SETTLED SEDIMENT LAYER.
 13. IF WATER EXCEEDS TSS OF 50mg/L (75 NTU) DURING DEMATERING, PUMPING IS TO CEASE.
 14. RECORDS ARE TO BE KEPT (ON-SITE AT ALL TIMES) OF ALL MEASUREMENT PRIOR TO, DURING AND AFTER DISCHARGE. RECORDS TO BE MADE AVAILABLE TO COUNCIL OFFICERS UPON REQUEST.

**FOR DEVELOPMENT
FOR APPROVAL**



ARCHITECT	CLIENT	PROJECT	CONSULTANT	DRAWING TITLE	
ISSUED FOR DEVELOPMENT APPROVAL ISSUED FOR REVIEW AMENDMENTS	LOGOS PROPERTY SUITE 02 LEVEL 12 167 MACQUARIE STREET SYDNEY NSW	PROPOSED DEVELOPMENT 32 YARRUNGA STREET PRESTONS NSW	Costin Roe Consulting Pty Ltd. Consulting Engineers Level 1, 8 Mindarie Street Marrickville NSW 2122 Tel: (02) 856 3788 Fax: (02) 824 3781 email: mail@costinroe.com.au	EROSION AND SEDIMENT CONTROL DETAILS-SHEET 2	
18.11.15 05.11.15 DATE	B A ISSUE	DESIGNED (P/AMM) SD DATE	875311-DA26	DRAWING No. C08753-11-DA26	
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ARCHITECT		PROJECT		DRAWING TITLE	
LOGOS PROPERTY		PROPOSED DEVELOPMENT		EROSION AND SEDIMENT CONTROL	
SUITE 02 LEVEL 12		32 YARRUNGA STREET		DETAILS-SHEET 2	
167 MACQUARIE STREET		PRESTONS NSW		C08753-11-DA26	
SYDNEY NSW		CONSULTANT		ISSUE B	
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