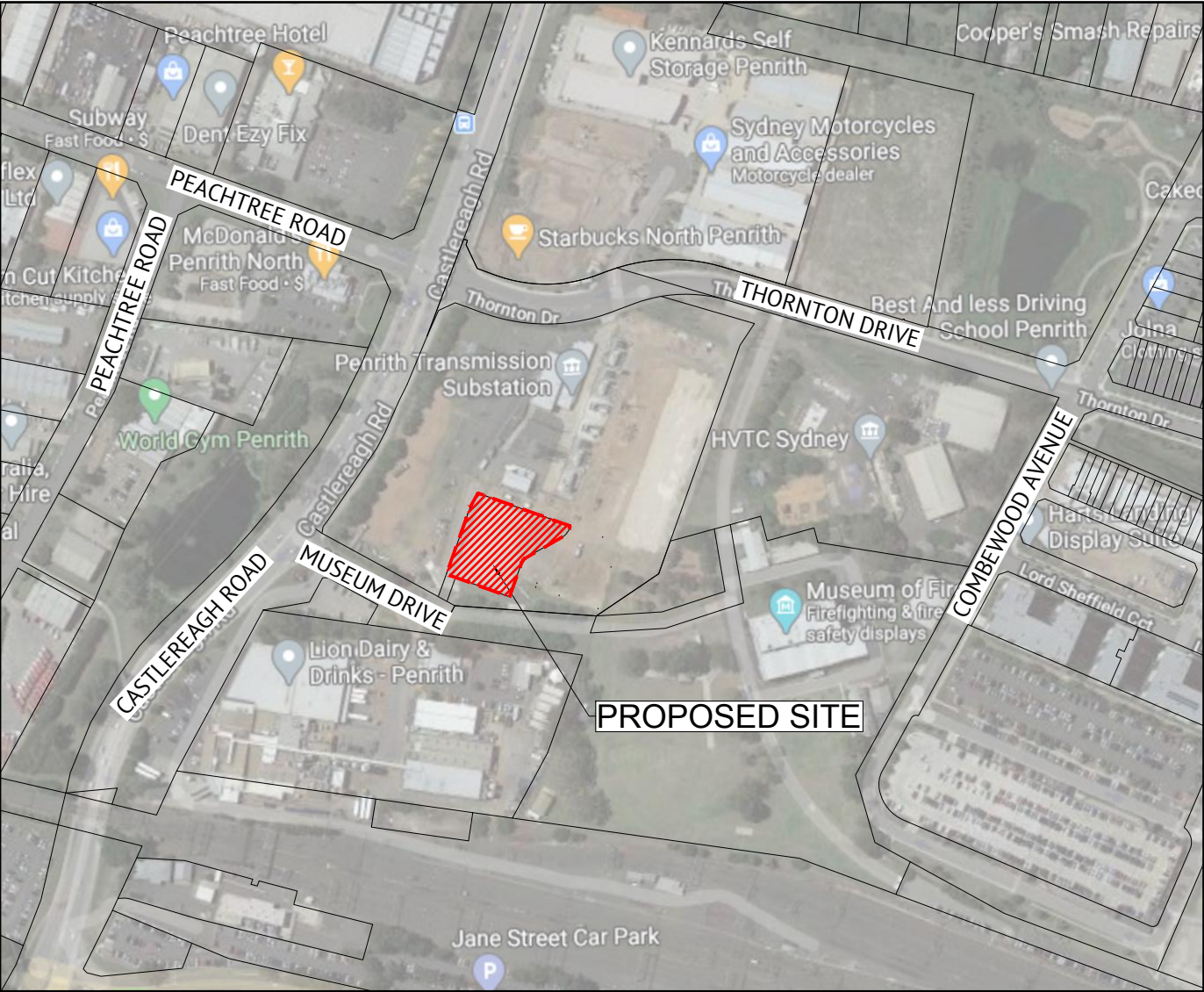


PENRITH PROPOSED BATTERY SITE

ISSUED FOR DEVELOPMENT APPLICATION

SCHEDULE OF DRAWINGS		
DRAWING	TITLE	REVISION
GENERAL		
C001	COVER SHEET - SITE LOCALITY AND SCHEDULE OF DRAWINGS	3
C002	GENERAL NOTES & LEGEND	1
C040	EXISTING SITE LAYOUT AND SURVEY CONTROL PLAN	1
BULK EARTHWORKS		
C100	BULK EARTHWORKS PLAN	3
C110	BULK EARTHWORKS SITE SECTIONS	3
ROADWORKS		
C200	ROAD AND STORMWATER LAYOUT PLAN	3
C300	ROAD NO.1 AND ROAD NO.2 LONGITUDINAL SECTIONS	3
C590	VEHICLE TURNING PATH PLAN - PASSENGER VEHICLE	3
C591	VEHICLE TURNING PATH PLAN - HIGH RIGID VEHICLE	3
EROSION AND SEDIMENT CONTROL		
C900	EROSION AND SEDIMENT CONTROL PLAN	3
C950	EROSION AND SEDIMENT CONTROL FIGURES	1



LOCALITY PLAN
SCALE 1:2000

G GENERAL

- G1.

ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH DCP OF THE LOCAL AUTHORITY, TECHNICAL SPECIFICATIONS AND GUIDELINES ISSUED BY ROADS AND MARITIME SERVICES (RMS), AUSTRROADS STANDARDS, AUSTRALIAN STANDARD AND TO THE CITY ENGINEER'S SATISFACTION.
- G2.

THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL OTHER WORKING DRAWINGS, SPECIFICATIONS AND OTHER WRITTEN INSTRUCTIONS THAT MAY BE ISSUED DURING THE COURSE OF CONSTRUCTION. ALL DISCREPANCIES SHALL BE REFERRED TO THE SUPERINTENDENT FOR DECISION BEFORE PROCEEDING WITH THE WORK.
- G3.

DIMENSIONS SHALL NOT BE OBTAINED BY SCALING THE DRAWINGS. REDUCED LEVELS AND CHAINAGES ARE IN METERS. ALL OTHER DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN. SET OUT DIMENSIONS ON THE DRAWING SHALL BE VERIFIED BY THE CONTRACTOR ON SITE.
- G4.

NO WORK WITHIN ADJOINING PROPERTIES TO BE UNDERTAKEN WITHOUT WRITTEN PERMISSION FROM THE PROPERTY OWNER.
- G5.

NO DISTURBANCE TO THE SITE SHALL BE PERMITTED OTHER THAN IN THE IMMEDIATE AREA OF THE WORKS AND NO MATERIAL SHALL BE REMOVED FROM SITE WITHOUT APPROVAL FROM THE SUPERINTENDENT.
- G6.

ALL DEBRIS, UNDERGROWTH AND FENCES TO BE REMOVED FROM PUBLIC RESERVE, DRAINAGE AND ROAD WIDENING AREAS TO THE SATISFACTION OF THE SUPERINTENDENT.
- G7.

NO TREES TO BE DISTURBED OR REMOVED WITHOUT COUNCIL'S PERMISSION OR UNLESS OTHERWISE SHOWN ON THE PLAN.
- G8.

THE CONTRACTOR SHALL OBTAIN ALL LEVELS FROM ESTABLISHED BENCH MARKS ONLY.
- G9.

THE LOCATION OF RECOVERY MARKS AND BENCH MARKS SHOULD BE VERIFIED AND CONFIRMED BY THE CONTRACTOR AND DISCREPANCIES SHOULD BE CLARIFIED IN WRITING WITH COUNCIL PRIOR TO COMMENCEMENT OF WORK.
- G10.

DURING CONSTRUCTION THE STRUCTURE SHALL BE MAINTAINED IN A STABLE CONDITION AND NO PART SHALL BE OVERSTRESSED.
- G11.

ALL MATERIALS AND WORKMANSHIP SHALL CONFIRM TO THE REQUIREMENTS OF THE RELEVANT AS CODES AND THE SPECIFICATION.
- G12.

SAFETY OF THE GENERAL PUBLIC SHALL BE PROVIDED DURING THE CONSTRUCTION WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROL OF TRAFFIC DURING THE COURSE OF WORKS INCLUDING BARRICADING WITHIN AND OUTSIDE THE SITE AS REQUIRED.
- G13.

ALL MEASURES IN PUBLIC AREAS TO CONTROL OR DIVERT VEHICULAR PEDESTRIAN TRAFFIC IS TO BE COVERED BY A TRAFFIC CONTROL PLAN PREPARED BY AN AUTHORIZED PERSON & APPROVED BY COUNCIL. NO DETOURS SHOULD BE IN PLACE WITHOUT PRIOR APPROVAL OF COUNCIL.
- G14.

IT IS CONTRACTOR'S RESPONSIBILITY TO ENSURE SAFE WORK PRACTICES ARE FOLLOWED AT ALL TIMES. WHS REGULATIONS AND WORK COVER REQUIREMENTS ARE TO BE COMPLIED WITH.
- G15.

VEHICULAR ACCESS AND ALL SERVICES TO BE MAINTAINED AT ALL TIMES TO ADJOINING PROPERTIES AFFECTED BY CONSTRUCTION.
- G16.

ALL MAJOR AND NON-STANDARD STRUCTURES TO BE SUPERVISED BY A PRACTICING QUALIFIED STRUCTURAL ENGINEER AND CERTIFICATION UPON COMPLETION. COPIES OF CERTIFICATION ARE TO BE PROVIDED TO COUNCIL.

S SERVICES

- S1.

CONTRACTOR TO CONTACT "DIAL BEFORE DIG" ON TEL:1100 FOR PLAN INFORMATION ON UNDERGROUND PIPES AND CABLES, AT LEAST TWO DAYS PRIOR TO THE COMMENCEMENT OF WORK. USING THE PLANS & ON-SITE LOCATION MARKINGS AS AN INDICATION OF UTILITY SERVICES PRESENCE, HAND DIG TO EXPOSE ALL SERVICES WITHIN THE SAFE APPROACH DISTANCES. CONTRACTOR TO BE HELD RESPONSIBLE SHOULD THEY DAMAGE UTILITY PROPERTY.
- S2.

ALL SERVICES AFFECTED BY NEW WORK TO BE ADJUSTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE RELEVANT SERVICE AUTHORITY AT CONTRACTOR'S EXPENSE UNTIL AND UNLESS IT IS SPECIFIED.
- S3.

MAKE SMOOTH CONNECTION WITH ALL EXISTING ENGINEERING WORKS.
- S4.

CONDUITS TO BE PLACED WHERE REQUIRED BY UTILITY AUTHORITIES, OTHER RELEVANT AUTHORITIES AND COUNCIL.
- S5.

SERVICES SHOWN HEREON HAVE BEEN LOCATED WHERE POSSIBLE BY FIELD SURVEY. THE RECORDS FROM RELEVANT UTILITY AUTHORITIES HAVE BEEN PLOTTED WHERE AVAILABLE AND HAVE BEEN NOTED ACCORDINGLY ON THIS PLAN. WHERE SUCH RECORDS EITHER DO NOT EXIST OR ARE INADEQUATE A NOTATION HAS BEEN MADE HEREON. PRIOR TO ANY DEMOLITION, EXCAVATION OR CONSTRUCTION ON THE SITE, THE RELEVANT AUTHORITY MUST BE CONTACTED FOR POSSIBLE RELOCATION OF UNDERGROUND SERVICES.
- S6.

ANY PROPOSED SERVICE CROSSING TO BE THRUST BORED UNDER EXISTING PAVEMENT UNLESS SPECIFIED BY THE SUPERINTENDENT, CONTRACTOR TO REPAIR ANY DAMAGE TO EXISTING SURFACE.

E EARTHWORKS

- E1.

EXCAVATION SHALL BE CARRIED OUT TO THE DEPTHS & DIMENSIONS SHOWN OR IMPLIED ON THE PLANS AND/OR THE DOCUMENTS OR TO SUCH GREATER DEPTHS & DIMENSIONS, AS WILL ENSURE SOUND, PERMANENT FOUNDATIONS. ALL EXCAVATIONS SHALL BE APPROVED BY THE SUPERINTENDENT BEFORE ANY MATERIALS OR STRUCTURES ARE PLACED.
- E2.

ALL EXCAVATION, SHORING OF EXCAVATION AND STABILITY OF ADJACENT STRUCTURES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- E3.

TOPSOIL SHALL BE STRIPPED FROM WITHIN THE AREA OF WORKS INCLUSIVE OF BATTERS & STOCKPILED AS DIRECTED BY THE SUPERINTENDENT. THE THICKNESS OF THE TOPSOIL STRIPPING SHALL NOT BE LESS THAN 100MM.
- E4.

ALL EXPOSED DELETERIOUS MATERIALS WHICH, IN THE OPINION OF THE SUPERINTENDENT, ARE UNSUITABLE FOR THE PLACING OF FILLING SHALL BE REMOVED & DISPOSED OFF. IF UNSOUND OR UNSUITABLE MATERIALS ENCOUNTERED AT THE SPECIFIED EXCAVATION LEVEL, ADDITIONAL EXCAVATION & REPLACEMENT WITH COMPACTED APPROVED MATERIAL MAY BE ORDERED.

- E5.

WHERE FILLING IS REQUIRED, MATERIAL IS TO BE SELECTED IN DISCUSSION WITH AND TO THE SATISFACTION OF THE SUPERINTENDENT. ALL IMPORTED FILL MATERIAL SHALL BE VIRGIN EXCAVATED NATURAL MATERIAL FREE FROM CHEMICAL OR OTHER CONTAMINATION. A CONTAMINATION REPORT ON THE PROPOSED IMPORTED FILL MATERIAL, FROM A NATA REGISTERED LABORATORY, WILL BE REQUIRED BY COUNCIL PRIOR TO PLACEMENT OF FILL.
- E6.

ALL FILL SHALL BE COMPACTED TO NOT LESS THAN 98% OF STANDARD MAXIMUM DRY DENSITY AT -1% TO +2% OF STANDARD OPTIMUM MOISTURE CONTENT (MAXIMUM FILL HORIZONS OF 150MM TO 200MM). ALL AREAS WHICH HAVE TEST RESULTS LESS THAN 98% STANDARD SHOULD BE REWORKED AND RETESTED TO ENSURE COMPLIANCE, IN ACCORDANCE WITH AS 1289.
- E7.

TESTS SHALL BE UNDERTAKEN ON ANY PROPOSED FILL MATERIALS TO ENSURE THAT THEY DO NOT HAVE A HIGH DISPERSION POTENTIAL AS IDENTIFIED BY THE EMERSON CRUMB/DISPERSION TESTS (AS 1289)
- E8.

ALL FILL AREAS TO BE SURVEYED AT STRIPPING AND FINAL STAGES AND LEVELS SHOWN ON PLANS, (TOGETHER WITH CROSS SECTIONS AT MAXIMUM 20M C/C) AT WORKS-AS-EXECUTED STAGE AND CONTROLLED BY A REGISTERED SURVEYOR.
- E9.

ALL EARTHWORKS SHALL BE CONTROLLED AND CERTIFIED BY A NATA REGISTERED LABORATORY. TWO COLLATED COPIES OF ALL TEST CERTIFICATES, ACCOMPANIED BY AN OVERALL SITE PLAN, CLEARLY INDICATING THE LOCATION OF EACH TEST AND FILL AREAS ETC., AND THE LABORATORY CERTIFICATE COVERING THE WHOLE OF THE AREA TESTED ARE TO BE FORWARDED TO COUNCIL UPON COMPLETION. TESTING IS TO BE TO AS 3798.
- E10.

KERB CORE SAMPLES TO AS1012 SHALL BE TAKEN BY NATA REGISTERED LABORATORY TWENTY EIGHT (28) DAYS AFTER LAYING. TWO COPIES OF TEST REPORTS SHALL BE FORWARDED TO COUNCIL.
- E11.

PROVIDE PENNISETUM CLANDESTINUM (KIKUYU) TURF ON 200MM THICK TOPSOIL, UNLESS NOTED OTHERWISE.
- E12.

HYDROMULCH OR HYDROSEED ALL OTHER DISTURBED AREAS NOT COVERED BY E11. SPECIFICATIONS FOR HYDROMULCH OR HYDROSEED MUST BE DETERMINED BY THE SUPERINTENDENT.
- E13.

EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE CARRIED OUT IN ACCORDANCE TO LOCAL AUTHORITY STANDARD DRAWING.
- E14.

THE CONTRACTOR SHALL IMPLEMENT EROSION AND SEDIMENT CONTROL MEASURES AS NECESSARY, AND TO THE SATISFACTION OF THE SUPERINTENDENT PRIOR TO THE COMMENCEMENT OF CONSTRUCTION AND DURING CONSTRUCTION. MAINTENANCE OF THE EROSION AND SEDIMENT CONTROL IS TO BE UNDERTAKEN BY THE CONTRACTOR ON REGULAR BASIS OR AS DIRECTED BY THE SUPERINTENDENT.

C CONCRETE

- C1.

ALL WORKMANSHIP AND MATERIALS TO CONFIRM TO THE REQUIREMENT OF AS 3600. FORMWORKS ARE TO BE IN ACCORDANCE WITH AS 3610.
- C2.

ALL FORMS SHALL BE DESIGNED SUCH THAT EXPOSED CONCRETE EDGED SHALL HAVE A MINIMUM OF 15MM CHAMFER AND ALL EXPOSED RE-ENTRANT CORNERS SHALL HAVE A MINIMUM OF 15MM FILLET UNLESS NOTED OTHERWISE.

SR STEEL REINFORCEMENT

SR1. REINFORCEMENT SHALL COMPLY TO AS 1303, AS 4100 AND AS/NZS 4671.

SR2. GRADE AND DIAMETER DESIGNATION:

REINF.TYPE	GRADE	AS CODE	SYMBOL
DEFORMED BAR	D500	AS/NZS 4671	N
PLAIN ROUND BAR	R250	AS/NZS 4671	R
RECTANGULAR MESH		AS/NZS 4671	RL
SQUARE MESH		AS/NZS 4671	SL
TRENCH MESH		AS/NZS 4671	L TM

SR3. DESIGNATION CODE:

GRADE	N -16 AT 150 TOP	SPACING (mm)
DIA (mm)		LOCATION

SR4. COVER: CONCRETE COVER SHALL BE 50mm UNLESS NOTED OTHERWISE

SR5. LAP LENGTH: WHERE LAPPING ONF REINFORCEMENT OCCURS, THE MINIMUM LAP LENGTH SHOULD BE AS FOLLOWS;

N12	-	400mm LAP
N16	-	600mm LAP
N20	-	850mm LAP
N24	-	1000mm LAP
FABRIC- 2 TRANSVERSE BARS+25mm		

SR6. ALL REINFORCEMENT SHALL BE SUPPORTED AT 800MM MAXIMUM CENTRES TO MAINTAIN THE NOMINATED POSITION AND COVER.

D DRAINAGE

D1. PITS MORE THAN 1.2M DEEP TO HAVE IRON STEPS.

D2. DRAINAGE PIPES SHALL BE BACKFILLED WITH TYPE HS3 SUPPORT MINIMUM SLOTTED AGRICULTURAL LINE SURROUNDED BY GEOTECH STOCKING AND CONNECTED TO ALL DOWNSTREAM PITS.

D3. DRAINAGE PIPE TYPES 225MM DIA AND SMALLER TO BE UPVC UNLESS OTHERWISE SPECIFIED.

D4. ALL REINFORCED CONCRETE PIPES 300MM DIA & GREATER SHALL BE RUBBER RING JOINTED (OR SIMILAR) AND TO BE CONSTRUCTED IN ACCORDANCE WITH AS 4058.

D5. REINFORCED CONCRETED PIPES UNDER ROADS TO BE CLASS '3' AND CLASS '2' IN NON-TRAFFICKED AREAS.

D6. ALL GULLY PITS TO BE ACCORDING TO COUNCIL'S STANDARD DRAWING WITH CONTINUOUS HINGE ON GRATES WITH CYCLE PROOF GRATES UNLESS NOTED OTHERWISE - LINTELS CENTRALLY PLACED SAG PITS.

D7. AGRICULTURAL LINES IN APPROVED GEOTECHNICAL STOCKING TO BE PLACED WHERE DIRECTED BY COUNCIL (GENERALLY UNDER KERB).

D8. GUTTER SLOTS TO BE PROVIDED AT PITS AND AT REGULAR INTERVALS TO DRAIN TEMPORARY SEAL (ONLY WHERE TEMPORARY SEAL FINISHES BELOW LIP OF GUTTER).

D9. TOP BENCHING TO BE HALF OF OUTLET PIPE DIAMETER.

D10. ALL GRATE PITS TO BE FITTED WITH LOCK DOWN BOLTS TO COUNCIL/ MANUFACTURER STANDARD SPECIFICATION.

P PAVEMENTS

P1. SUB-GRADE, SUB-BASE COURSE AND BASE TO BE COMPACTED AS PER AUSTRROADS /RMS SPECIFICATIONS.

P2. PAVEMENT DETAILS GIVEN ON TYPICAL SECTION ARE NOMINAL PAVEMENT DEPTS AND ARE TO BE CONFIRMED WITH THE SUPERINTENDENT.

P3. SUB-BASE AND BASE COURSE MATERIALS TO BE IN ACCORDANCE WITH AUSTRROADS AND RMS SPECIFICATIONS (SEE RMS QA SPECIFICATION 3051 OR LATEST).

P4. ALL ROADS ARE TO BE TEMPORARILY SEALED AND ASPHALT TO BE OVERLAYED FOLLOWING COMPLETION OF ALL SERVICES AND RESTORATIONS OR AS DIRECTED BY SUPERINTENDENT.

P5. FINAL PAVEMENT THICKNESS TO BE DETERMINED AFTER "BOXING OUT" BY JOINT INSPECTION BY NATA REGISTERED LABORATORY AND THE SUPERINTENDENT. TWO COPIES OF PAVEMENT REPORT MUST BE MADE AVAILABLE TO COUNCIL MINIMUM TWO (2) WORKING DAYS PRIOR TO INSPECTION.

E ENVIRONMENTAL

E1. TO LIMIT DUST POLLUTION TO ADJOINING PROPERTIES, DUST SUPPRESSANTS ARE TO BE USED ON HAULAGE ROADS. IF THE PREVAILING WEATHER CONDITIONS CONTRIBUTE TO THE DUST POLLUTION AND IF IN THE OPINION OF THE SUPERINTENDENT, THE WORKS ARE REQUIRED TO BE CEASED, THE CONTRACTOR MUST STOP THE WORKS IMMEDIATELY.

E2. NO VIBRATING ROLLERS TO BE USED IN THE VICINITY OF PROPERTIES. ALL THE PROPERTIES IN CLOSE PROXIMITY OF THE WORK SITE MUST BE INSPECTED PRIOR TO AND AFTER THE COMPLETION OF WORKS. A DELAPIDATION REPORT SHOULD BE SUBMITTED TO THE SUPERINTENDENT BEFORE COMMENCEMENT OF WORKS.

E3. NO DISTURBANCE TO OCCUR TO THOSE PARTS OF THE SITE NOT DIRECTLY AFFECTED BY THE WORKS. NO EXCAVATION FILLING, DUMPING, BURNING OF TREE STUMPS, OR ANY OTHER ACTIVITY IS PERMITTED IN THESE AREAS. THE STATUS OF THE ENVIRONMENT & ECOLOGY MUST BE STRICTLY PRESERVED. DISTURBED AREAS MUST BE REINSTATED.

WAE WORKS-AS-EXECUTED (WAE) DRAWINGS

WAE1. AFTER THE PRACTICAL COMPLETION OF THE WORKS, THE SUPERINTENDENT SHALL SUPPLY CONTRACTOR WITH ONE SET OF CONTRACT DRAWINGS FOR THE PURPOSE OF PREPARING WORKS-AS -EXECUTED DRAWINGS AND SUBMIT TO COUNCIL WITHIN ONE MONTH'S TIME.

WAE2. THE SUPERINTENDENT WILL NOT ISSUE THE FINAL CERTIFICATE IF THE WORKS-AS -EXECUTED DRAWINGS HAVE NOT BEEN RECEIVED FROM THE CONTRACTOR.

LEGEND

DESCRIPTIONS	EXISTING	PROPOSED	FUTURE
150mm KERB & GUTTER			
ROLL TYPE KERB			
EDGE STRIP			
KERB ONLY			
MOUNTABLE SF TYPE KERB			
DISH CROSSING			
VEHICULAR CROSSING			
KERB / PEDESTRIAN RAMP			
EDGE OF BITUMEN			
ROAD PAVEMENT			
PATH PAVING			
BATTERS /TOP & BOTTOM OF BANKS			
SPOT LEVEL			
CONTOURS			
SITE REGRADING AREA			
RETAINING WALL			
ROCK GABION WALL			
STORMWATER DRAINAGE PIPE			
STORMWATER DRAINAGE PIT			
DRAINAGE LINES & PIT NUMBERS			
CONCRETE HEADWALL			
SUB-SOIL & FLUSH POINTS			
KERB OUTLETS			
PIPE CONNECTIONS/JUNCTIONS			
ACO GRATED DRAIN OR SIMILAR			
LIMIT OF WORKS			
LIMIT OF STAGE			
LOT NUMBERS			
BOUNDARY			
FENCE			
BUILDING / STRUCTURES			
TREE			
SEWER & MANHOLES			
WATER / HYDRANTS & STOP VALVES			
ELECTRICITY / POWER & LIGHT POLES			
GAS / GAS METERS			
TELSTRA / FIBRE OPTIC / NBN			

CONCEPT DESIGN

07/10/20	1	ISSUED FOR COUNCIL APPROVAL	P.T.T.	M.Z.	
DATE	REV	DESCRIPTION	REC	APP	
REVISIONS					



ORAN PARK OFFICE
SUITE 301, LEVEL 3 ORAN PARK PODIUM
351 ORAN PARK DRIVE
ORAN PARK, NSW 2570
PH: (02) 4632 6500
WEB: www.premise.com.au

DESIGNED P.T.T.
CHECKED M.Z.
PROJECT MANAGER P.H.

SCALE

ORIGINAL SHEET SIZE A1

CLIENT

FIRM POWER PTY LTD

PROJECT

PENRITH PROPOSED BATTERY SITE

LOCATION

MUSEUM DRIVE, PENRITH

SHEET TITLE

GENERAL NOTES & LEGEND

JOB CODE

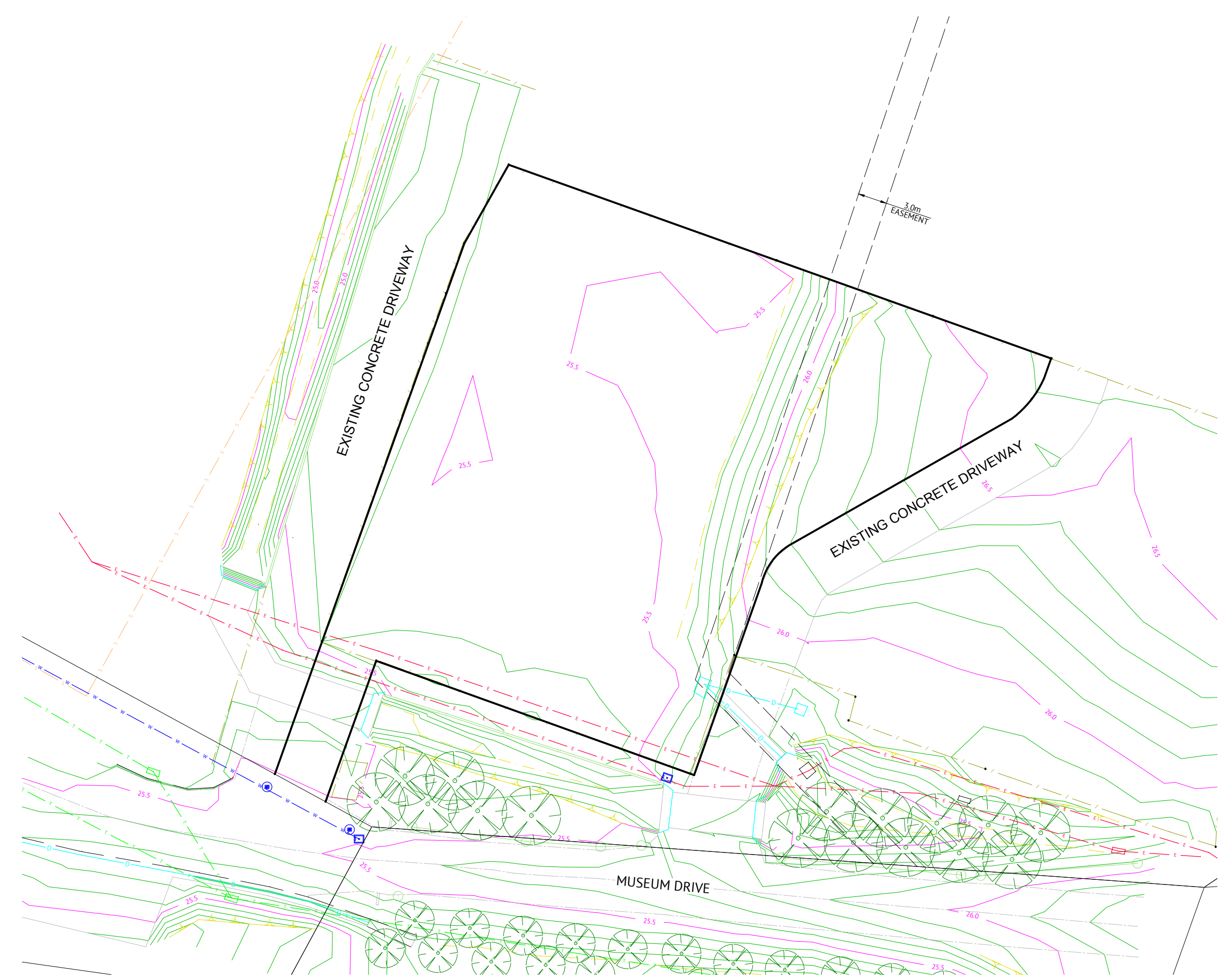
220049

SHEET NUMBER

C002

REV

1



- NOTES:
- 1. ALL CO-ORDINATES ARE TO BE VERIFIED ON SITE BEFORE CONSTRUCTION.
 - 2. ALL EXTERNAL SITE BOUNDARIES ARE TO BE MARKED BY A REGISTERED SURVEYOR PRIOR TO COMMENCING SITE WORKS.
 - 3. VAC-EX SURVEY HAS NOTE BEEN COMPLETED AND AS SUCH NOT ALL EXISTING UTILITIES HAVE BEEN LOCATED AND LEVELLED, CONTRACTOR TO PROCEED WITH CAUTION.
 - 4. CONTOURS SHOWN ARE NATURAL SURFACE CONTOURS
 - 6. MINOR CONTOUR INTERVAL IS 0.1m
 - 7. MAJOR CONTOUR INTERVAL IS 0.5m

CONCEPT DESIGN				 Premise	ORAN PARK OFFICE SUITE 301, LEVEL 3 ORAN PARK PODIUM 351 ORAN PARK DRIVE ORAN PARK, NSW 2570 PH: (02) 4632 6500 WEB: www.premise.com.au	DESIGNED P.T.T.	SCALE 0 4 8 12m SCALE 1:200 (A1) ORIGINAL SHEET SIZE A1	CLIENT FIRM POWER PTY LTD	JOB CODE 220049
			CHECKED M.Z.			PROJECT PENRITH PROPOSED BATTERY SITE		SHEET NUMBER C040	
07/10/20	1	ISSUED FOR COUNCIL APPROVAL	P.T.T. REC			LOCATION MUSEUM DRIVE, PENRITH			
DATE	REV	DESCRIPTION	REVISIONS			PROJECT MANAGER P.H.		SHEET TITLE EXISTING SITE LAYOUT AND SURVEY CONTROL PLAN	



EARTHWORKS VOLUMES

CUT = 20m³
FILL = 5m³
BALANCE = -15m³

("-" EXPORT, "+" IMPORT)

NOTES

1. EXCLUDES BULKING AND COMPACTION FACTORS.

CUT/FILL		
Colour	Depth Range (m)	
	-5.000	-2.000
	-2.000	-1.000
	-1.000	-0.500
	-0.500	-0.250
	-0.250	0.000
	0.000	0.250
	0.250	0.500
	0.500	1.000
	1.000	2.000
	2.000	5.000
	5.000	10.000

- NOTES:
1. CUT/FILL DEPTHS REPRESENT LEVEL DIFFERENCE BETWEEN EXISTING TERRAIN & FINISHED DESIGN LEVEL ONLY.
2. ALL BOXES MUST BE COLOURED FOR THIS PLAN TO BE VALID.
3. CONTOURS SHOWN ARE EXISTING AND DESIGN SURFACE.
4. CONTOURS INTERVAL EXISTING 0.5m.

NOTE: REFER DRAWING C002 FOR NOTES AND LEGEND.

CONCEPT DESIGN				
27/01/21	3	PCS MODULE AND PARKING ADDED, ROAD 3 REMOVED	P.T.T.	M.Z.
19/10/20	2	ISSUED FOR COUNCIL APPROVAL	P.T.T.	M.Z.
07/10/20	1	ISSUED FOR COUNCIL APPROVAL	P.T.T.	M.Z.
DATE	REV	DESCRIPTION	REC	APP



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DESIGNED P.T.T.
CHECKED M.Z.
PROJECT MANAGER P.H.

SCALE



SCALE 1:200 (A1)

ORIGINAL SHEET SIZE A1

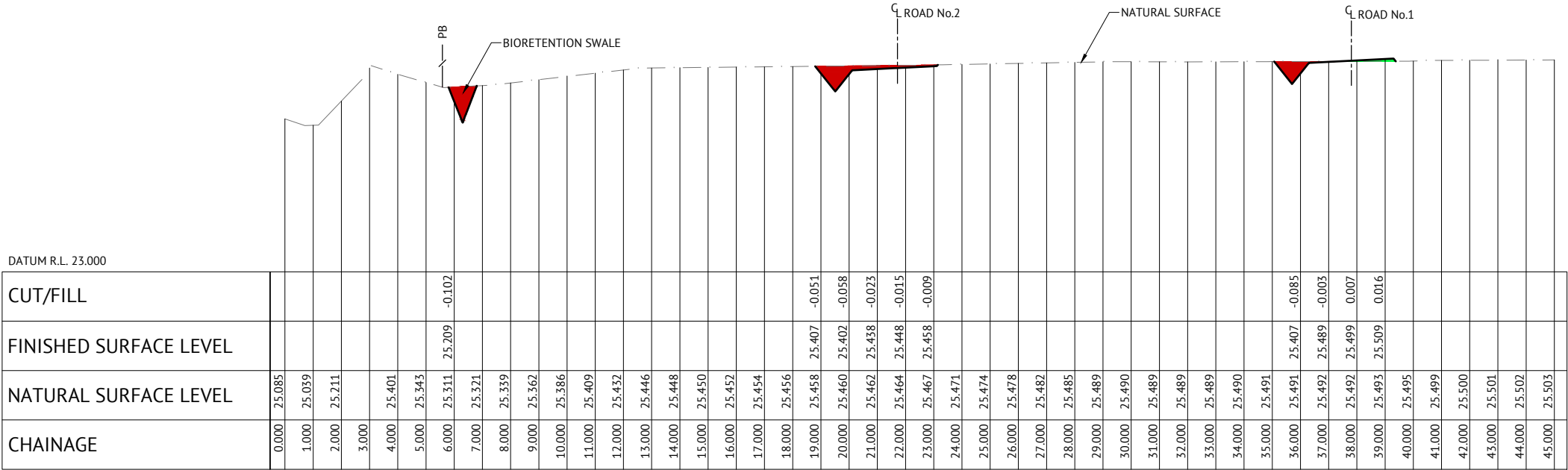
CLIENT	FIRM POWER PTY LTD
PROJECT	PENRITH PROPOSED BATTERY SITE
LOCATION	MUSEUM DRIVE, PENRITH
SHEET TITLE	BULK EARTHWORKS PLAN

JOB CODE	220049
SHEET NUMBER	C100
REV	3

CUT/FILL		
Colour	Depth Range (m)	
	-5.000	-2.000
	-2.000	-1.000
	-1.000	-0.500
	-0.500	-0.250
	-0.250	0.000
	0.000	0.250
	0.250	0.500
	0.500	1.000
	1.000	2.000
	2.000	5.000
	5.000	10.000

NOTES:

1. ALL BOXES MUST BE COLOURED FOR THIS PLAN TO BE VALID.



LONGITUDINAL SECTION - AA

HORIZONTAL SCALE 1:100 (A1) 1:200 (A3)
VERTICAL SCALE 1:20 (A1) 1:40 (A3)

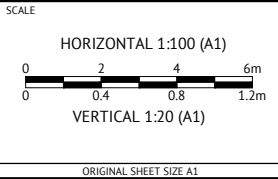
CONCEPT DESIGN

27/01/21	3	SECTION REMOVED	P.T.T.	M.Z.	
19/10/20	2	ISSUED FOR COUNCIL APPROVAL	P.T.T.	M.Z.	
07/10/20	1	ISSUED FOR COUNCIL APPROVAL	P.T.T.	M.Z.	
DATE	REV	DESCRIPTION	REC	APP	



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DESIGNED P.T.T.
CHECKED M.Z.
PROJECT MANAGER P.H.

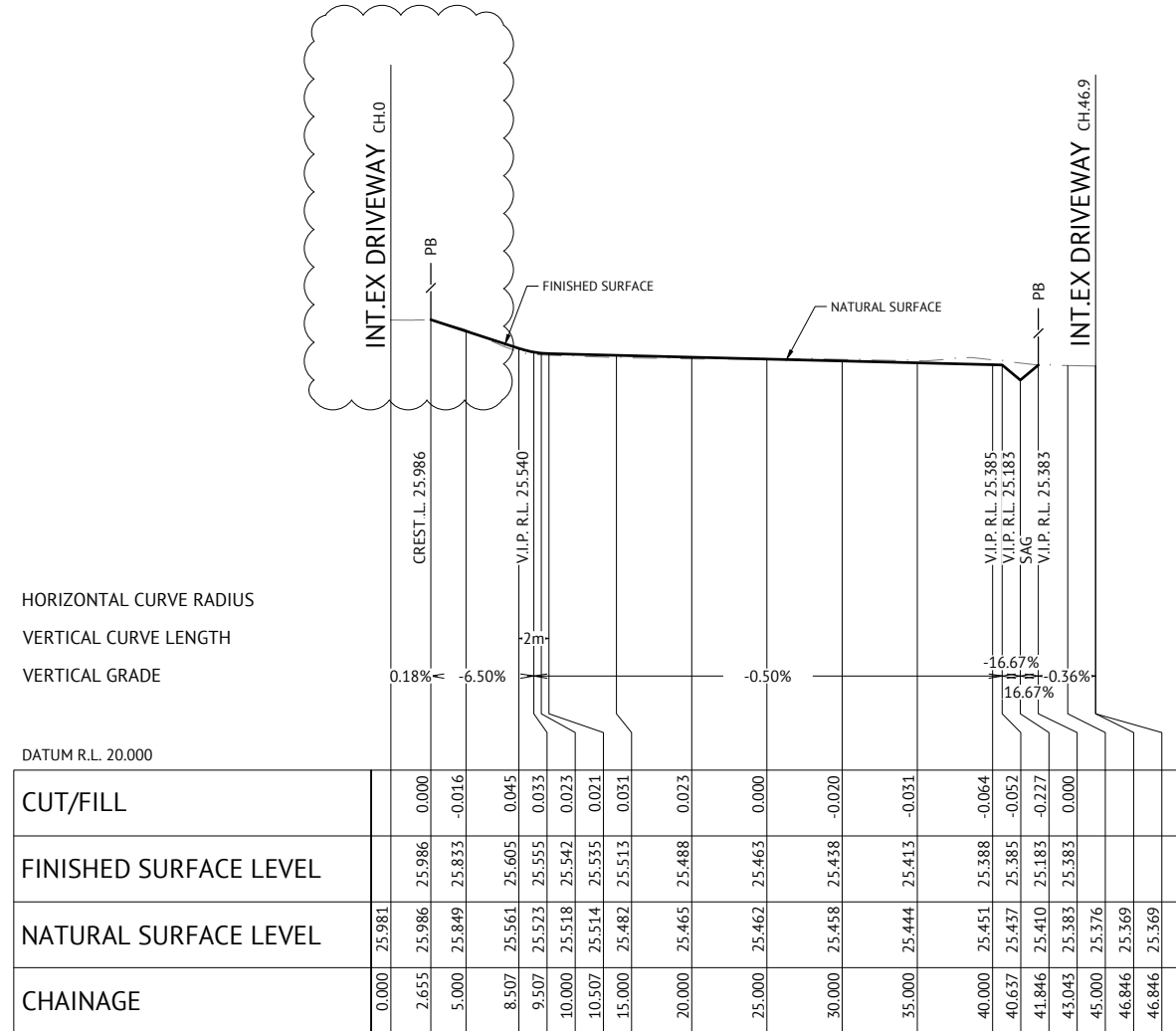
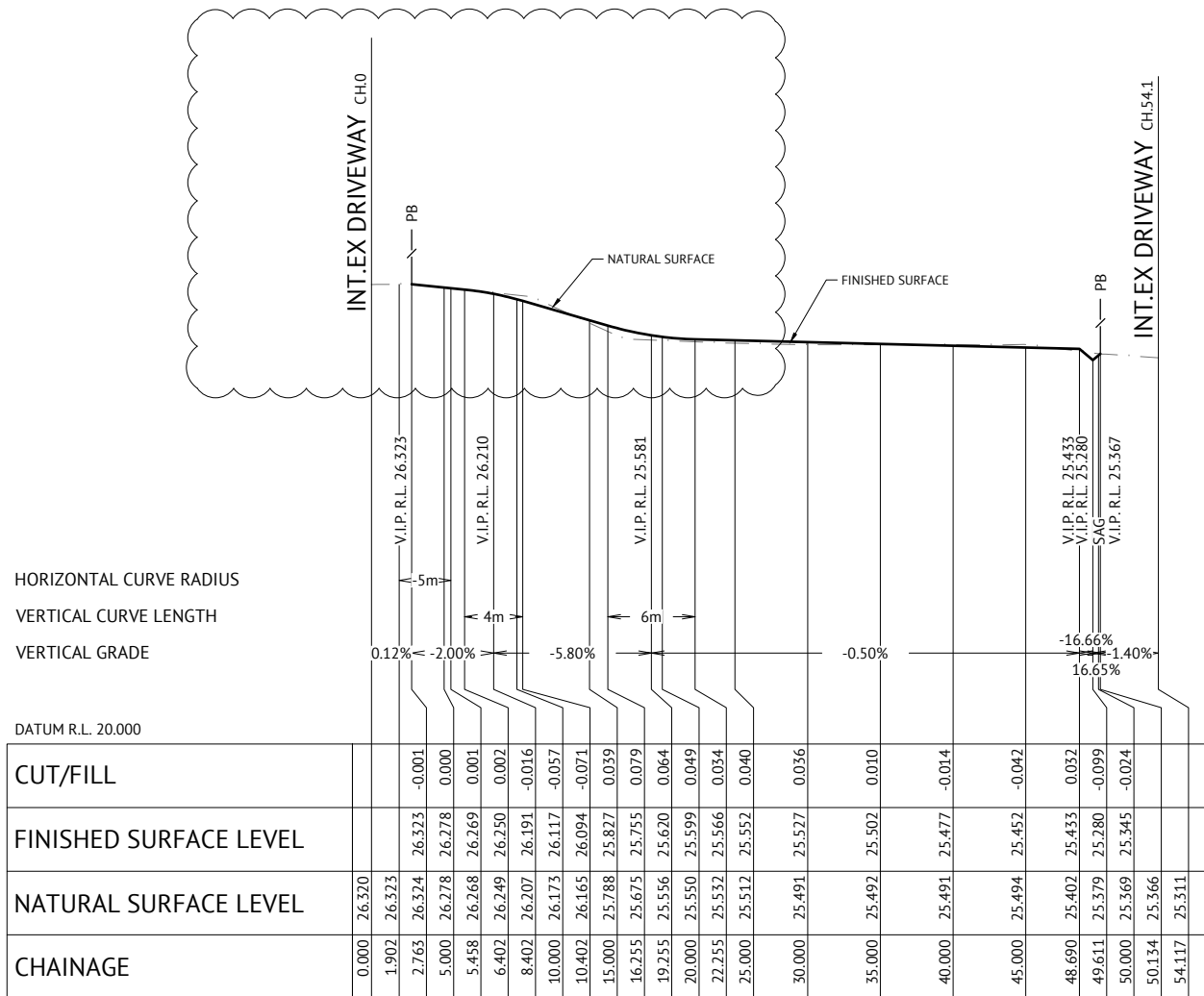


CLIENT	FIRM POWER PTY LTD
PROJECT	PENRITH PROPOSED BATTERY SITE
LOCATION	MUSEUM DRIVE, PENRITH
SHEET TITLE	BULK EARTHWORKS SITE SECTIONS

JOB CODE	220049
SHEET NUMBER	C110
REV	3



27/01/21	3	PCS MODULE AND PARKING ADDED		P.T.T.	M.Z.
19/10/20	2	ISSUED FOR COUNCIL APPROVAL		P.T.T.	M.Z.
07/10/20	1	ISSUED FOR COUNCIL APPROVAL		P.T.T.	M.Z.
DATE	REV	DESCRIPTION	REVISION/COM	REC	APP



LEGEND

— FINISHED SURFACE
— NATURAL SURFACE

NOTES

ALL DESIGN LEVELS SHOWN ARE FINISHED SURFACE LEVELS.

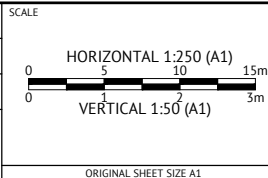
CONCEPT DESIGN

DATE	REV	DESCRIPTION	REC	APP
27/01/21	3	ROAD 3 REMOVED	P.T.T.	M.Z.
19/10/20	2	ISSUED FOR COUNCIL APPROVAL	P.T.T.	M.Z.
07/10/20	1	ISSUED FOR COUNCIL APPROVAL	P.T.T.	M.Z.



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DESIGNED
P.T.T.
CHECKED
M.Z.
PROJECT MANAGER
P.H.



CLIENT

FIRM POWER PTY LTD

PROJECT

PENRITH PROPOSED BATTERY SITE

LOCATION

MUSEUM DRIVE, PENRITH

SHEET TITLE

ROAD NO.1 AND ROAD NO.2 LONGITUDINAL SECTIONS

JOB CODE

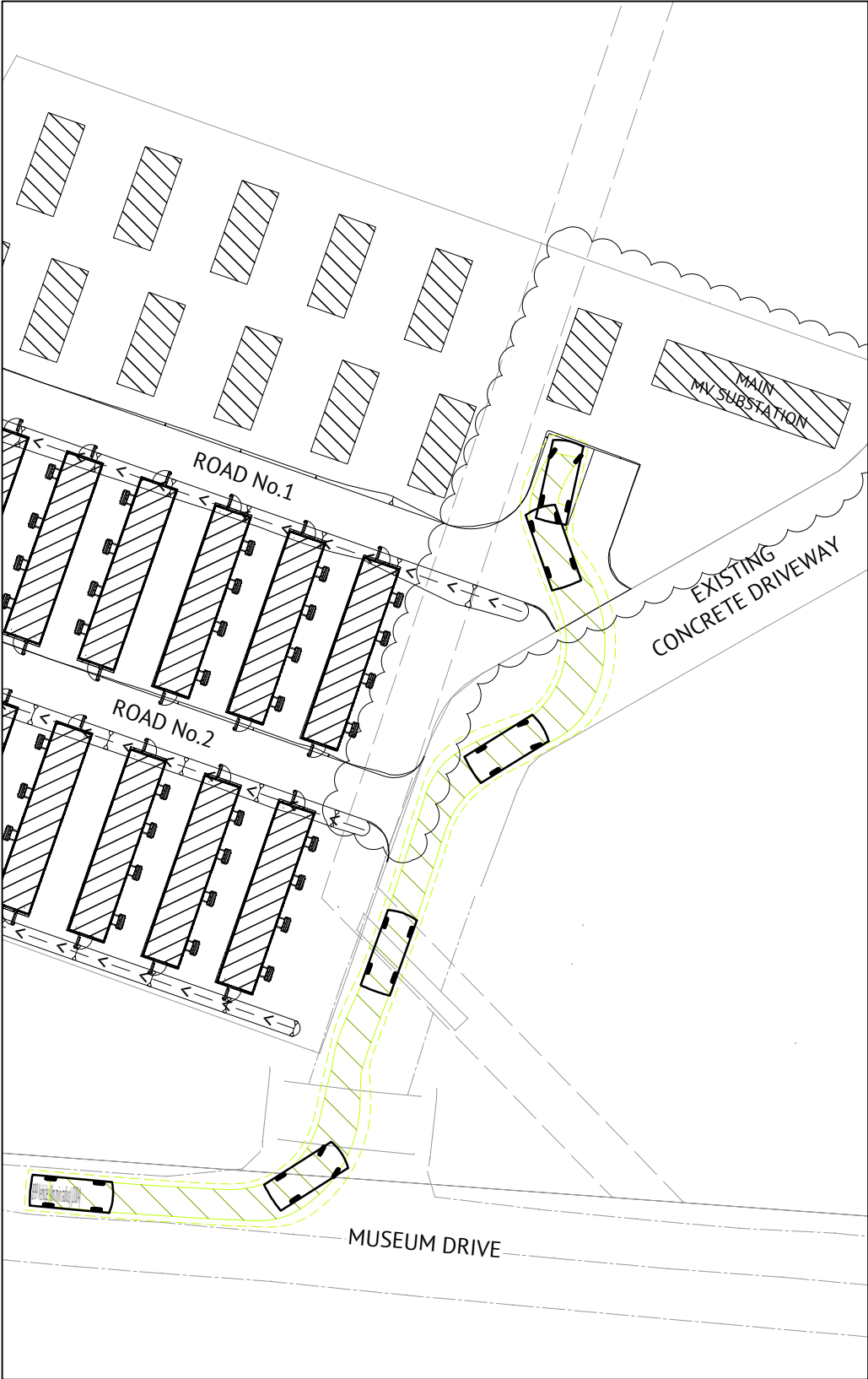
220049

SHEET NUMBER

C300

REV

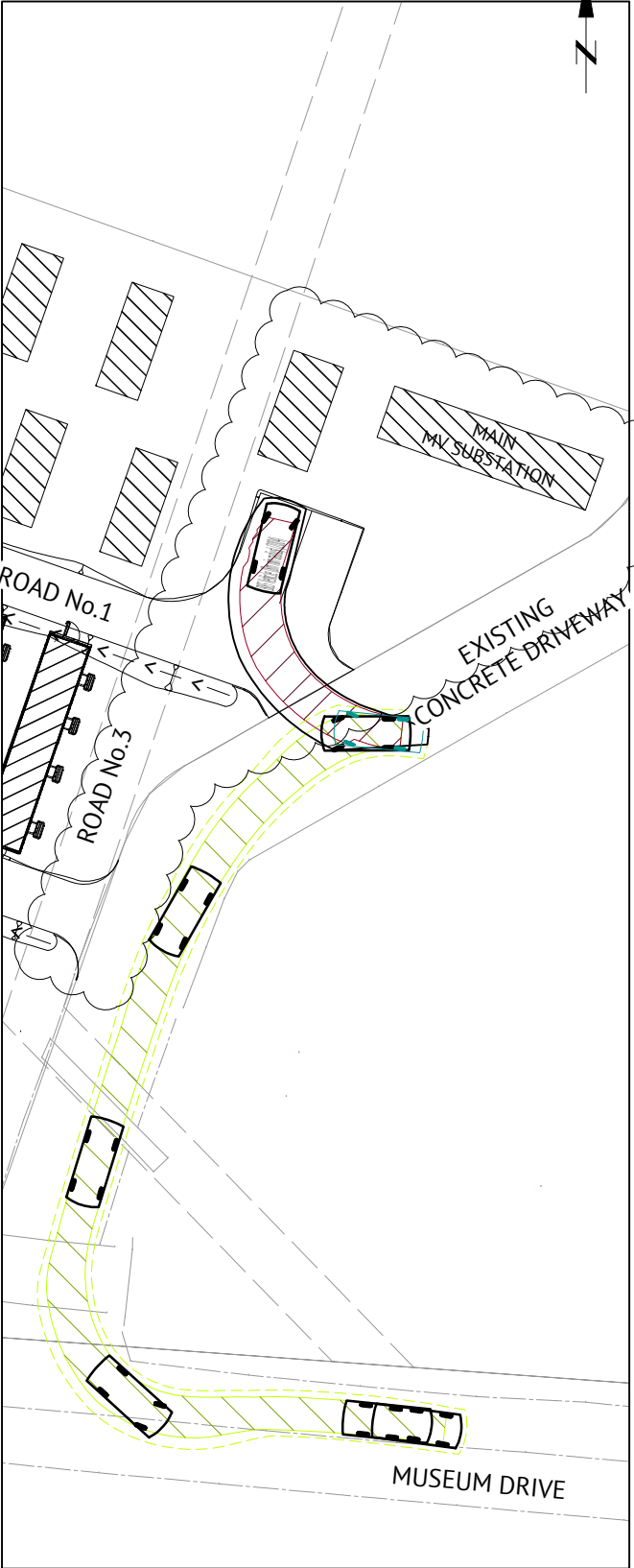
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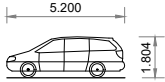
PLAN 1 - VEHICLE IN
SCALE 1:200



PLAN 2 - VEHICLE IN
SCALE 1:200



PLAN 3 - VEHICLE OUT
SCALE 1:200



Passenger vehicle (5.2 m):
(n.t.s.)
Overall Length 5.200m
Overall Width 1.804m
Overall Body Height 1.804m
Min Body Ground Clearance 0.295m
Track Width 1.840m
Turning Circle 12.600m

DESIGN VEHICLE

- NOTES:
1. REFER TO ARCHITECTURAL AND LANDSCAPE PLANS FOR PROPOSED BIN PAD LOCATION.

NOTE: REFER DRAWING C002 FOR NOTES AND LEGEND.

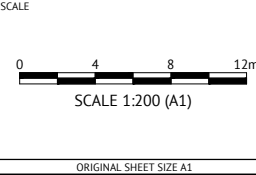
CONCEPT DESIGN

DATE	REV	DESCRIPTION	REC	APP
27/01/21	3	PCS MODULE AND PARKING ADDED, ROAD 3 REMOVED	P.T.T.	M.Z.
19/10/20	2	ISSUED FOR COUNCIL APPROVAL	P.T.T.	M.Z.
07/10/20	1	ISSUED FOR COUNCIL APPROVAL	P.T.T.	M.Z.



ORAN PARK OFFICE
SUITE 301, LEVEL 3 ORAN PARK PODIUM
351 ORAN PARK DRIVE
ORAN PARK, NSW 2570
PH: (02) 4632 6500
WEB: www.premise.com.au

DESIGNED
P.T.T.
CHECKED
M.Z.
PROJECT MANAGER
P.H.



CLIENT
FIRM POWER PTY LTD

PROJECT
PENRITH PROPOSED BATTERY SITE

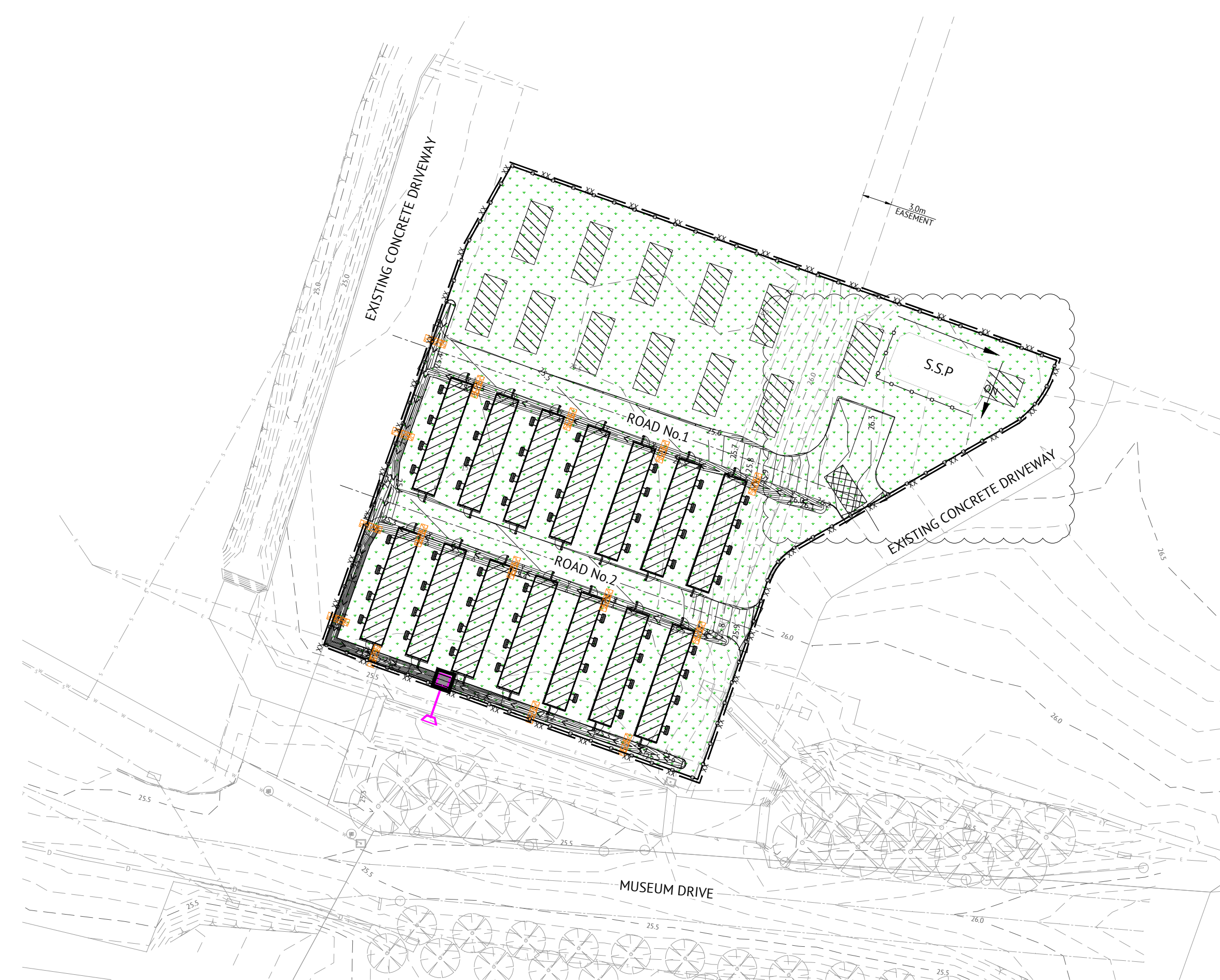
LOCATION
MUSEUM DRIVE, PENRITH

SHEET TITLE
VEHICLE TURNING PATH PLAN - PASSENGER VEHICLE

JOB CODE
220049

SHEET NUMBER
C590

REV
3



NOTES:
REFER EROSION & SEDIMENT CONTROL FIGURES SHEET C950

- LEGEND**
- XX LIMIT OF CLEARING & GRADING
 - SEDIMENT FENCE IN ACCORDANCE WITH FIGURE SD 6-8 FROM THE LANDCOM SOILS AND CONSTRUCTION MANUAL.
 - S.S.P. SOIL STOCKPILE IN ACCORDANCE WITH FIGURE SD 4-1 FROM THE LANDCOM SOILS AND CONSTRUCTION MANUAL.
 - STABILISED SITE ACCESS IN ACCORDANCE WITH FIGURE SD 6-14 FROM THE LANDCOM SOILS AND CONSTRUCTION MANUAL.
 - STRAW BALE IN ACCORDANCE WITH FIGURE SD 6-7 FROM THE LANDCOM SOILS AND CONSTRUCTION MANUAL.
 - MESH AND GRAVAL INLET FILTER IN ACCORDANCE WITH FIGURE SD 6-11 FROM THE LANDCOM SOILS AND CONSTRUCTION MANUAL.
 - GEOTEXTILE INLET FILTER IN ACCORDANCE WITH FIGURE SD 6-12 FROM THE LANDCOM SOILS AND CONSTRUCTION MANUAL.
 - EARTH BANK IN ACCORDANCE WITH FIGURE SD 5-5 FROM THE LANDCOM SOILS AND CONSTRUCTION MANUAL.
 - ROCK CHECK DAM IN ACCORDANCE WITH FIGURE SD 5-4 FROM THE LANDCOM SOILS AND CONSTRUCTION MANUAL.
 - DISTURBED AREA

NOTE: REFER DRAWING C002 FOR NOTES AND LEGEND.

CONCEPT DESIGN				
DATE	REV	DESCRIPTION	REC	APP
27/01/21	3	PCS MODULE AND PARKING ADDED, STABILISED SITE ACCES AMENDED	P.T.T.	M.Z.
19/10/20	2	ISSUED FOR COUNCIL APPROVAL	P.T.T.	M.Z.
07/10/20	1	ISSUED FOR COUNCIL APPROVAL	P.T.T.	M.Z.



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CHECKED M.Z.
PROJECT MANAGER P.H.

SCALE

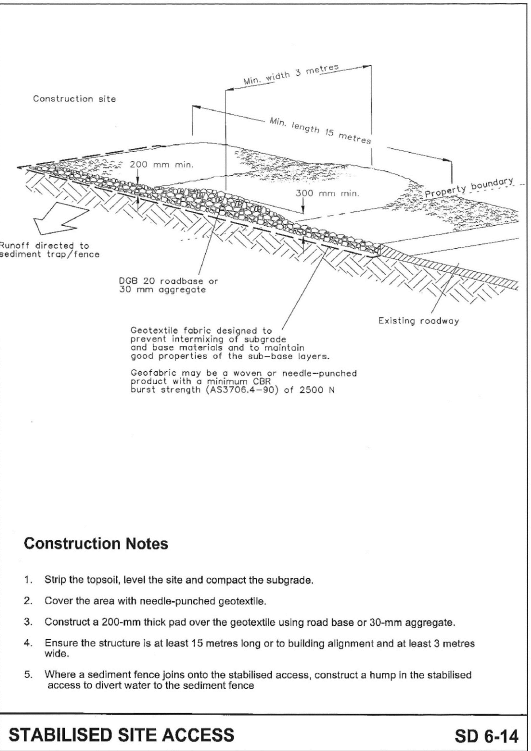
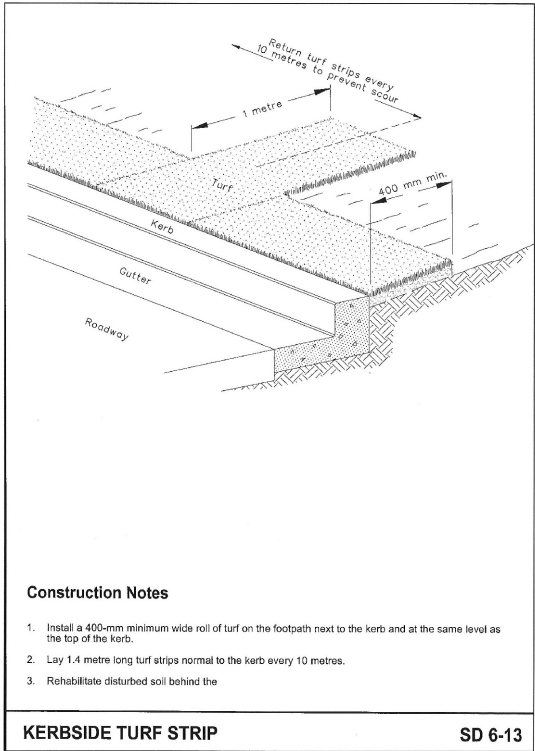
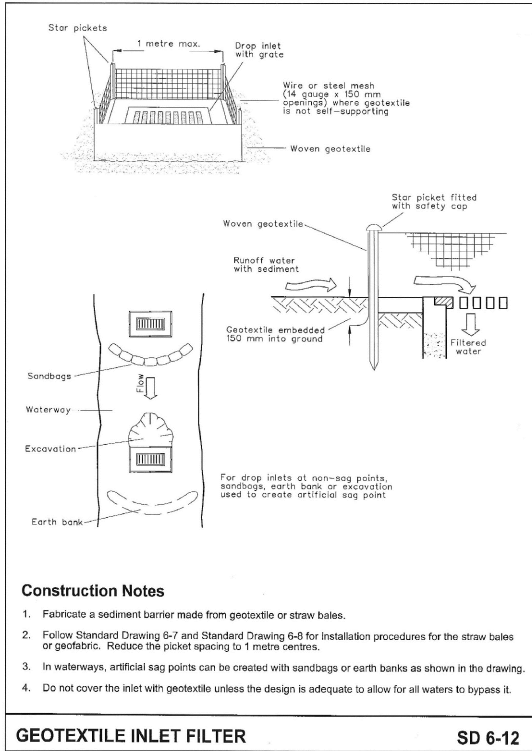
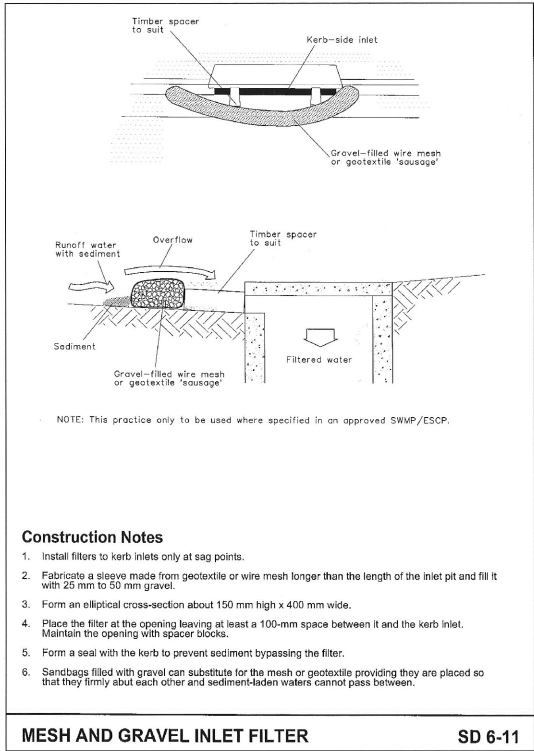
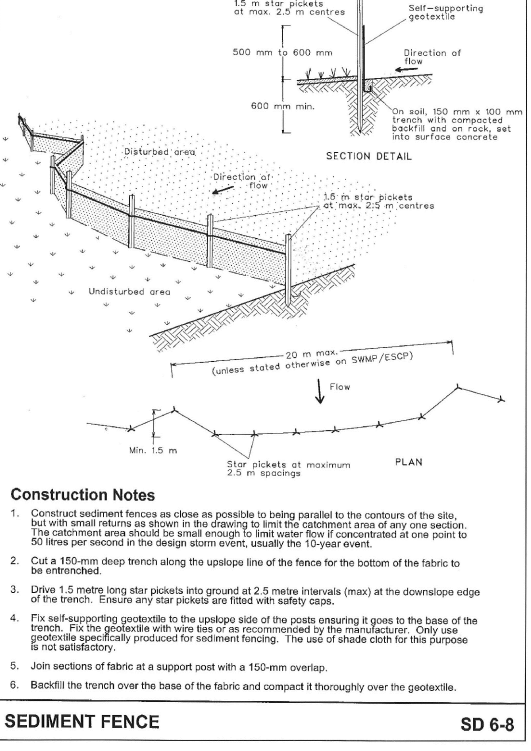
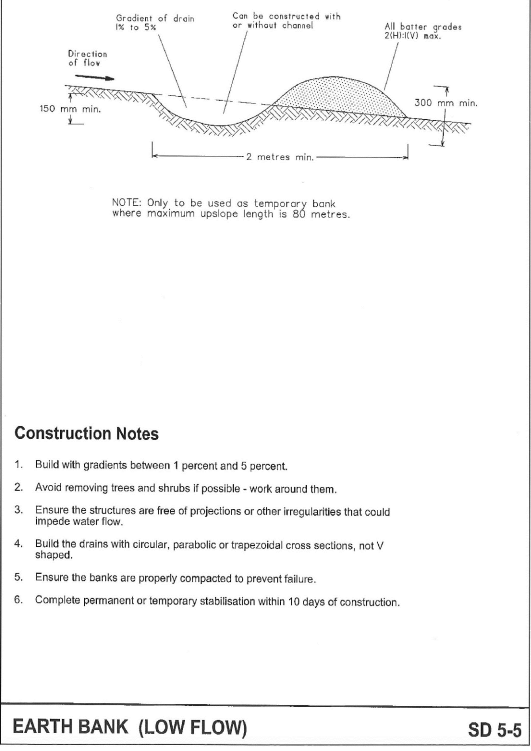
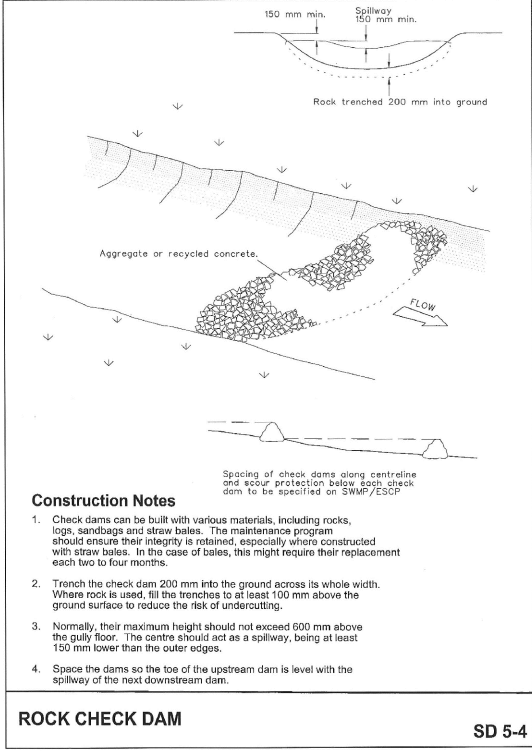
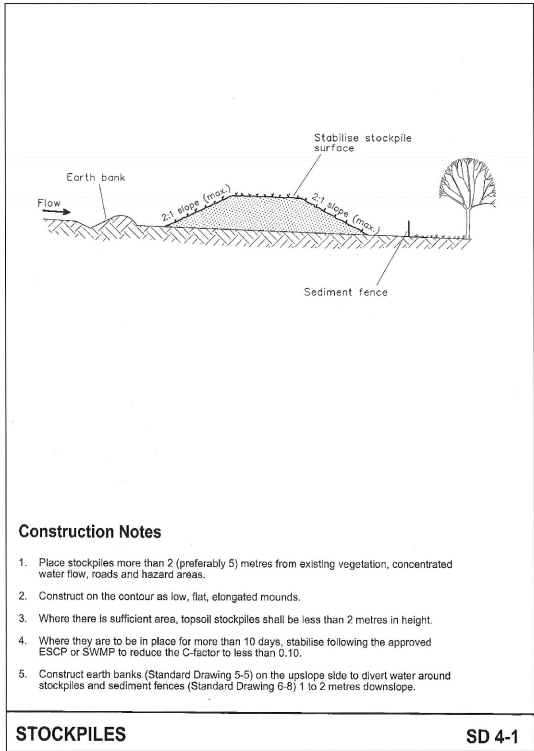


SCALE 1:200 (A1)

ORIGINAL SHEET SIZE A1

CLIENT	FIRM POWER PTY LTD
PROJECT	PENRITH PROPOSED BATTERY SITE
LOCATION	MUSEUM DRIVE, PENRITH
SHEET TITLE	EROSION AND SEDIMENT CONTROL PLAN

JOB CODE	220049
SHEET NUMBER	C900
REV	3



CONCEPT DESIGN

DATE	REV	DESCRIPTION	P.T.T. REC	M.Z. APP
07/10/20	1	ISSUED FOR COUNCIL APPROVAL		
REVISIONS				



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DESIGNED
P.T.T.
CHECKED
M.Z.
PROJECT MANAGER
P.H.

SCALE

ORIGINAL SHEET SIZE A1

CLIENT

FIRM POWER PTY LTD

JOB CODE

220049

PROJECT

PENRITH PROPOSED BATTERY SITE

LOCATION

MUSEUM DRIVE, PENRITH

SHEET TITLE

EROSION AND SEDIMENT CONTROL FIGURES

SHEET NUMBER

C950

REV

1