

ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH COUNCIL DESIGN GUIDELINES & WORKS SPECIFICATION.
WHERE DISCREPANCIES OCCUR THE MORE STRINGENT SPECIFICATION WILL TAKE PRECEDENCE.

1. ORIGIN OF LEVELS:- REFER SURVEY NOTES

1. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND EXISTING LEVELS ON SITE PRIOR TO COMMENCEMENT OF WORK. ANY DISCREPANCIES TO BE REPORTED TO HYDER CONSULTING.
3. MAKE SMOOTH CONNECTION WITH EXISTING WORKS.
4. ALL TRENCH BACKFILL MATERIAL SHALL BE COMPACTED TO THE SAME DENSITY AS THE ADJACENT MATERIAL.
5. SEWER, POTABLE WATER AND RECYCLED WATERMAINS BACKFILL TO BE IN ACCORDANCE WITH WSA03-2002-2.2, WAT-1201, WAT-1202, WAT-1203 and WAT-1204-v. ALL OTHER SERVICE TRENCHES UNDER VEHICULAR PAVEMENTS SHALL BE BACKFILLED WITH SAND TO 300mm ABOVE PIPE, WHERE PIPE IS UNDER PAVEMENTS BACKFILL REMAINDER OF TRENCH TO UNDERSIDE OF PAVEMENT WITH SAND OR APPROVED GRANULAR MATERIAL COMPACTED IN 150mm LAYERS TO MINIMUM 92% MODIFIED MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS 1289 5.2.1. (OR A DENSITY INDEX OF NOT LESS THAN 75)
6. PROVIDE 10mm WIDE EXPANSION JOINTS BETWEEN BUILDINGS AND ALL CONCRETE OR UNIT PAVEMENTS.
7. ASPHALTIC CONCRETE SHALL CONFORM TO R.M.S. SPECIFICATION R116.
8. ALL BASECOURSE MATERIAL SHALL BE IGNEOUS ROCK QUARRIED MATERIAL TO COMPLY WITH R.M.S. FORM 3051 (UNBOUND), R.M.S. FORM 3052 (BOUND) COMPACTED TO MINIMUM 98% MODIFIED DENSITY IN ACCORDANCE WITH AS 1289 5.2.1. FREQUENCY OF COMPACTION TESTING SHALL NOT BE LESS THAN 1 TEST PER 50m² OF BASECOURSE MATERIAL PLACED.
9. ALL SUB-BASE COURSE MATERIAL SHALL BE IGNEOUS ROCK QUARRIED MATERIAL TO COMPLY WITH R.M.S. FORM 3051, 3051+1 AND COMPACTED TO MINIMUM 95% MODIFIED DENSITY IN ACCORDANCE WITH AS 1289 5.2.1. FREQUENCY OF COMPACTION TESTING SHALL NOT BE LESS THAN 1 TEST PER 50m² OF SUB-BASE COURSE MATERIAL PLACED.
10. AS AN ALTERNATIVE TO THE USE OF IGNEOUS ROCK AS A SUB-BASE MATERIAL IN (9) A CERTIFIED RECYCLED CONCRETE MATERIAL COMPLYING WITH R.M.S. FORM 3051 AND 3051+1 WILL BE CONSIDERED. SUBJECT TO MATERIAL SAMPLES AND APPROPRIATE CERTIFICATIONS BEING PROVIDED TO THE SATISFACTION OF HYDER CONSULTING.
11. SHOULD THE CONTRACTOR WISH TO USE A RECYCLED PRODUCT THIS SHALL BE CLEARLY INDICATED IN THEIR TENDER AND THE PRICE DIFFERENCE BETWEEN AN IGNEOUS PRODUCT AND A RECYCLED PRODUCT SHALL BE CLEARLY INDICATED.
12. WHERE NOTED ON THE DRAWINGS THAT WORKS ARE TO BE CARRIED BY OTHERS, (eg. ADJUSTMENT OF SERVICES), THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CO-ORDINATION OF THESE WORKS.

1. DETAILED GROUND SURVEY WITHIN THE SITE AND BOUNDARIES WERE SUPPLIED BY LAND TEAM AUSTRALIA PTY LTD, REFERENCE NUMBER, 204834 TS02 DATED 08/05/2013.
2. THE INFORMATION IS SHOWN TO PROVIDE A BASIS FOR DESIGN. HYDER CONSULTING DOES NOT GUARANTEE THE ACCURACY OR COMPLETENESS OF THE SURVEY BASE.
3. SHOULD DISCREPANCIES BE ENCOUNTERED DURING CONSTRUCTION BETWEEN THE SURVEY DATA AND ACTUAL FIELD DATA, CONTACT HYDER CONSULTING.

ORIGIN OF COORDINATES	SSM 57349
ORIGIN OF LEVELS	RL 3.455

1. ALL WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH COUNCIL'S STANDARDS AND SPECIFICATIONS AND/OR AS DIRECTED BY THE ENGINEER.

1. THE CONTRACTOR SHALL LOCATE AND LEVEL ALL EXISTING SERVICES PRIOR TO COMMENCING CONSTRUCTION AND SHALL MAKE ALL NECESSARY ARRANGEMENTS WITH THE RELEVANT AUTHORITY TO RELOCATE OR ADJUST AS REQUIRED. ALL COSTS TO BE BORNE BY THE APPLICANT, (NOT AT COUNCIL'S EXPENSE)
3. THE CONTRACTOR SHALL NOT ENTER UPON OR DO ANY WORK WITHIN ADJACENT LANDS WITHOUT PRIOR WRITTEN PERMISSION OF THE LAND OWNER.
4. SURVEY MARKS SHOWN THUS ☒ SHALL BE MAINTAINED AT ALL TIMES. WHERE RETENTION IS NOT POSSIBLE THE ENGINEER SHALL BE NOTIFIED AND CONSENT RECEIVED PRIOR TO THEIR REMOVAL.
5. ALL NEW WORKS SHALL MAKE SMOOTH JUNCTION WITH EXISTING CONDITIONS.
6. SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED PRIOR TO SOIL DISTURBANCE IN KEEPING WITH THE "MANAGING STORMWATER MANUAL", 2004, BY LANDCOM AND TO COUNCIL'S SOIL EROSION AND SEDIMENT CONTROL POLICY.
7. ALL LAND DISTURBED BY EARTHWORKS SHALL BE HYDROMULCHED, OR SIMILARLY TREATED TO ESTABLISH GRASS COVER. SEED MIXTURES ARE TO BE APPROVED BY COUNCIL PRIOR TO SPRAYING. ALL GRASSED AREAS SHALL BE REGULARLY WATERED AND MAINTAINED UNTIL EXPIRATION OF THE MAINTENANCE PERIOD.
8. THE CONTRACTOR SHALL MAINTAIN DUST CONTROL THROUGHOUT THE DURATION OF THE PROJECT.
9. ALL PITS DEEPER THAN 1.2m SHALL HAVE STEP IRONS PROVIDED IN ACCORDANCE WITH COUNCIL'S STANDARDS.
10. ALL DRAINAGE LINES THROUGH LOTS SHALL BE CONTAINED WITHIN THEIR EASEMENTS AND CONFORM WITH COUNCIL'S STANDARDS.
11. SUBSOIL DRAINS SHALL BE CONSTRUCTED TO THE SATISFACTION OF THE COUNCIL.
12. MINIMUM 100mm THICK TOPSOIL SHALL BE SPREAD ON ALL FOOTPATHS, BERMS, BATTERS AND SITE REGRADING AREAS. EXCESS TOPSOIL SHALL BE DISPOSED OF AS DIRECTED BY THE ENGINEER.
13. THE CONTRACTOR SHALL PROVIDE MINIMUM 48 HOURS NOTICE TO THE ENGINEER FOR ALL INSPECTIONS.
14. THE CONTRACTOR SHALL MAINTAIN SERVICES AND ALL WEATHER ACCESS AT ALL TIMES TO THE ADJOINING PROPERTIES.
15. THE CONTRACTOR SHALL UNDERTAKE TRAFFIC CONTROL MEASURES TO ENGINEERS SATISFACTION AND SHALL DISPLAY APPROPRIATE WARNING SIGNS THROUGHOUT THE DURATION OF CONSTRUCTION.
16. ALL NATURAL SURFACE DATA HAS BEEN DETERMINED BY TERRAIN MODELLING. ALL CONSTRUCTION SITE WORKS MUST BE CARRIED OUT USING THE BENCH MARKS NOTED ON THIS DRAWING.
17. 100 YEAR FLOW PATHS TO BE FORMED AT TIME OF CONSTRUCTION.

1. SUBSOILS DRAINAGE TO BE IN ACCORDANCE WITH COUNCIL SPECIFICATIONS.
2. SUBSOIL DRAINAGE LINES TO BE CONSTRUCTED UNDER ALL KERB AND GUTTER EXCEPT WHERE LONGITUDINAL ROAD DRAINAGE IS PROVIDED.
3. CLEANOUT TO BE PROVIDED IN ACCORDANCE WITH COUNCIL SPECIFICATIONS.
4. EXTRA SUBSOIL DRAINS ARE TO BE PROVIDED WHERE SHOWN ON THE SITEWORKS AND DRAINAGE PLAN.

1. STRUCTURAL INSPECTIONS ARE REQUIRED FOR STRUCTURES WHERE NOTED ON PLANS OR REQUIRED BY COUNCIL.

2. 48 HOURS NOTICE IS REQUIRED FOR ALL INSPECTIONS

PAVEMENT DESIGN SUBJECT TO FURTHER SITE INVESTIGATION.

1. STORMWATER DESIGN CRITERIA:
 - (A) AVERAGE RECURRENTANCE INTERVAL:
ROAD DRAINAGE
100 YEAR ARI
3. PIPES 375 DIA. AND LARGER TO BE REINFORCED CONCRETE CLASS '4' APPROVED SPIGOT AND SOCKET WITH RUBBER RING JOINTS. U.N.O.
4. PIPES TO BE INSTALLED TO TYPE H51 SUPPORT IN ACCORDANCE WITH AS 3705 (1989) IN ALL CASES BACKFILL TRENCH WITH SAND TO 300mm ABOVE PIPE. WHERE PIPE IS UNDER PAVEMENTS BACKFILL REMAINDER OF TRENCH TO UNDERSIDE OF PAVEMENT WITH SAND OR APPROVED GRANULAR MATERIAL COMPACTED IN 150mm LAYERS TO MINIMUM 98% STANDARD MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS 1289 5.2.1. (OR A DENSITY INDEX OF NOT LESS THAN 75)
5. ALL INTERNAL WORKS WITHIN PROPERTY BOUNDARIES ARE TO COMPLY WITH THE REQUIREMENTS OF AS 3500 3.1 (2003) AND AS/NZS 3500 3.2 (2003).
6. WHERE SUBSOIL DRAINS PASS UNDER FLOOR SLABS AND VEHICULAR PAVEMENTS, UNSLOTTED uPVC SEWER GRADE PIPE IS TO BE USED.
7. CARE IS TO BE TAKEN WITH LEVELS OF STORMWATER LINES. GRADES SHOWN ARE NOT TO BE REDUCED WITHOUT APPROVAL.
8. GRATES AND COVERS SHALL CONFORM TO COUNCIL REQUIREMENTS AND AS3996 9. AT ALL TIMES DURING CONSTRUCTION OF STORMWATER PITS, ADEQUATE SAFETY PROCEDURES SHALL BE TAKEN TO ENSURE AGAINST THE POSSIBILITY OF PERSONNEL FALLING DOWN PITS.
10. ALL EXISTING STORMWATER DRAINAGE LINES AND PITS THAT ARE TO REMAIN ARE TO BE INSPECTED AND CLEANED. DURING THIS PROCESS ANY PART OF THE STORMWATER DRAINAGE SYSTEM THAT WARRANTS REPAIR SHALL BE REPORTED TO THE SUPERINTENDENT/ENGINEER FOR FURTHER DIRECTIONS.
11. CCTV ALL PIPES AFTER CONSTRUCTION AND PRIOR TO PRACTICAL COMPLETION. THIS INCLUDES ALL EXISTING PIPES THAT ARE TO BE RETAINED.
12. PIPES ARE DESIGNED FOR OPERATIONAL TRAFFIC LOADS ONLY. APPROPRIATE MEASURES SHOULD BE TAKEN TO PROTECT PIPES DURING CONSTRUCTION.
13. CONFIRM EXISTING PIT AND PIPE LEVELS AT ALL JUNCTIONS WITH PROPOSED STORMWATER. SHOULD LEVELS VARY FROM THE DESIGN HYDR SHALL BE NOTIFIED IMMEDIATELY.

1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 3600 CURRENT EDITION WITH AMENDMENTS, EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.
2. CONCRETE QUALITY
ALL REQUIREMENTS OF THE CURRENT ACSE CONCRETE SPECIFICATION DOCUMENT 1 SHALL APPLY TO THE FORMWORK, REINFORCEMENT AND CONCRETE UNLESS NOTED OTHERWISE.

ELEMENT	AS 3600 F _c MPa AT 28 DAYS	SPECIFIED SLUMP	NOMINAL AGG. SIZE
VEHICULAR BASE	32	60	20
KERBS, PATHS, AND PITS	25	80	20
RETAINING WALLS	32	80	20

- CEMENT TYPE SHALL BE (ACSE SPECIFICATION) TYPE SL
- PROJECT CONTROL TESTING SHALL BE CARRIED OUT IN ACCORDANCE WITH AS 1379.
- 3. NO ADMIXTURES SHALL BE USED IN CONCRETE UNLESS APPROVED IN WRITING BY HYDER CONSULTING.
- 4. CLEAR CONCRETE COVER TO ALL REINFORCEMENT FOR DURABILITY SHALL BE 40mm TOP AND 70mm FOR EXTERNAL EDGES UNLESS NOTED OTHERWISE.
- 5. ALL REINFORCEMENT SHALL BE FIRMLY SUPPORTED ON MILD STEEL PLASTIC TIPPED CHAIRS, PLASTIC CHAIRS OR CONCRETE CHAIRS AT NOT GREATER THAN 1m CENTRES BOTHWAYS. BARS SHALL BE TIED AT ALTERNATE INTERSECTIONS.
- 6. THE FINISHED CONCRETE SHALL BE A DENSE HOMOGENEOUS MASS, COMPLETELY FILLING THE FORMWORK, THOROUGHLY EMBEDDING THE REINFORCEMENT AND FREE OF STONE POCKETS. ALL CONCRETE INCLUDING SLABS ON GROUND AND FOOTINGS SHALL BE COMPACTED AND CURED IN ACCORDANCE WITH R.M.S. SPECIFICATION R83.

1. A TRAFFIC CONTROL PLAN IS TO BE PREPARED AND LODGED WITH
RMS BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF CONSTRUCTION

7. REINFORCEMENT SYMBOLS:

N DENOTES GRADE 500 N BARS TO AS 4671 GRADE N
 R DENOTES 250 R HOT ROLLED PLAIN BARS TO AS 4671
 SL DENOTES COLD-DRAWN WIRE REINFORCING FABRIC TO AS 4671

NUMBER OF BARS IN GROUP | BAR GRADE AND TYPE
 17N20-250

NOMINAL BAR SIZE IN mm | SPACING IN mm

THE FIGURE FOLLOWING THE FABRIC SYMBOL SL IS THE
 REFERENCE NUMBER FOR FABRIC TO AS 4671.

8. FABRIC SHALL BE LAPPED IN ACCORDANCE WITH THE FOLLOWING
 DETAIL:

25 MIN

LAP TWO WIRES

GENERAL INSTRUCTIONS

1. THE SITE CONTRACTOR/ENGINEER/MANAGER WILL ENSURE THAT ALL SOIL AND WATER MANAGEMENT WORKS ARE LOCATED AS DOCUMENTED
2. ALL WORK SHALL BE GENERALLY CARRIED OUT IN ACCORDANCE WITH A LOCAL AUTHORITY REQUIREMENTS
 - EPA REQUIREMENTS
 - NSW DEPARTMENT OF HOUSING MANUAL "MANAGING URBAN STORMWATER, SOILS AND CONSTRUCTION", 4th EDITION, MARCH 2004.
3. MAINTAIN THE EROSION CONTROL DEVICES TO THE SATISFACTION OF THE SUPERINTENDENT AND THE LOCAL AUTHORITY.
4. THE WATER IN THE SEDIMENT BASIN(S) SHALL BE LOWERED PERIODICALLY TO MAINTAIN THE MINIMUM STORAGE VOLUME REQUIRED FOR FINE SOILS

- AT ALL TIMES A WATER CART(S) SHALL BE MAINTAINED ON SITE TO:
- (A) WATER THE AREAS OF HYDROMULCH
 - (B) CONTROL DUST
- WATERING OF MULCH, DUST OR VEGETATION MUST BE KEPT TO THE MINIMUM REQUIRED TO ACHIEVE SPECIFIED OUTCOMES. IN NO CASE SHALL AREAS BE OVER WATERED TO SATURATION OR TO THE POINT WHERE WATER PONDS ON THE SURFACE.

5. (A) STORMWATER IN THE SETTLING ZONE SHALL BE DRAINED OR PUMPED OUT WITHIN 7 DAYS (NO LATER THAN 14 DAYS AS SITE CONDITIONS ALLOW) FOLLOWING RAINFALL EVENT IF THE NOMINATED WATER QUALITY TARGETS CAN BE MET. THE LOWER LEVEL OF THE SETTLING ZONE SHALL BE IDENTIFIED WITH A PEG THAT SHOWS CLEARLY THE LEVEL WHICH DESIGN CAPACITY IS AVAILABLE.

- (B) STORED SEDIMENT SHALL NOT ENCR OACH INTO SETT LING ZONE. SEDIMENT REMOVED FROM SEDIMENT BASIN SHALL BE DISPOSED OF IN PLACES THAT WILL NOT RESULT IN A FUTURE EROSION OR POLLUTION HAZARD.
- (C) TEMPORARY SEDIMENT BASIN OUTLET PIPE SHALL BE CAPPED DURING CONSTRUCTION. AFTER CONSTRUCTION BASIN SHOULD BE CLEARED OF SEDIMENTS BEFORE OUTLET PIPE CAP IS REMOVED.

6. WHEN STORMWATER PITS ARE CONSTRUCTED, PREVENT SITE RUNOFF ENTERING UNLESS SEDIMENT FENCES ARE ERECTED AROUND PITS.
7. CONTRACTOR IS TO ENSURE ALL EROSION & SEDIMENT CONTROL DEVICES ARE MAINTAINED IN GOOD WORKING ORDER AND OPERATE EFFECTIVELY. REPAIRS AND OR MAINTENANCE SHALL BE UNDERTAKEN AS REQUIRED, PARTICULARLY FOLLOWING STORM EVENTS.

LAND DISTURBANCE

- WHERE PRACTICAL, THE SOIL EROSION HAZARD ON THE SITE WILL BE KEPT AS LOW AS POSSIBLE. TO THIS END, WORKS SHOULD BE UNDERTAKEN IN THE FOLLOWING SEQUENCE:
- (A) MAINTAIN EXISTING SECURITY / WIND FENCES INSTALLED AS PART OF THE ENABLING WORKS AND INSTALL NEW SECURITY / WIND FENCES AS SHOWN
 - (B) MAINTAIN EXISTING SEDIMENT FENCES INSTALLED AS PART OF THE ENABLING WORKS AND INSTALL NEW SEDIMENT FENCES AS SHOWN
 - (C) INSTALL SEDIMENT TRAPS AS SHOWN ON PLAN AND AS REQUIRED
 - (D) 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.
 - (E) DISTURBED AREAS TO BE GRASSED TO THE FOLLOWING STANDARD:
 - EMBANKMENTS AND CREEKS - HYDRO MULCHED.
 - LOTS - SEEDED.
 - VERGES - TUFTED TO LANDSCAPE ARCHITECT'S SPECIFICATION.

EROSION CONTROL

9. DURING WINDY WEATHER, LARGE, UNPROTECTED AREAS WILL BE KEPT MOIST (NOT WET) BY SPRINKLING WITH WATER TO KEEP DUST UNDER CONTROL.
10. FINAL SITE LANDSCAPING WILL BE UNDERTAKEN AS SOON AS POSSIBLE AND WITHIN 10 WORKING DAYS FROM COMPLETION OF CONSTRUCTION ACTIVITIES.

SEDIMENT CONTROL

11. STOCKPILES WILL NOT BE LOCATED WITHIN 2 METRES OF HAZARD AREAS, INCLUDING LIKELY AREAS OF CONCENTRATED OR HIGH VELOCITY FLOWS SUCH AS WATERWAYS. WHERE THEY ARE BETWEEN 2 AND 5 METRES FROM SUCH AREAS, SPECIAL SEDIMENT CONTROL MEASURES SHOULD BE TAKEN TO MINIMISE POSSIBLE POLLUTION TO DOWNSTREAM WATERS, E.G. THROUGH INSTALLATION OF SEDIMENT FENCING.
 12. ANY SAND USED IN THE CONCRETE CURING PROCESS (SPREAD OVER THE SURFACE) WILL BE REMOVED AS SOON AS POSSIBLE AND WITHIN 10 WORKING DAYS FROM PLACEMENT.
 13. WATER WILL BE PREVENTED FROM ENTERING THE PERMANENT DRAINAGE SYSTEM UNLESS IT IS RELATIVELY SEDIMENT FREE, I.E. T CATCHMENT AREA HAS BEEN PERMANENTLY LANDSCAPED AND/OR ANY LIKELY SEDIMENT HAS BEEN FILTERED THROUGH AN APPROVED STRUCTURE.
 14. TEMPORARY SOIL AND WATER MANAGEMENT STRUCTURES WILL BE REMOVED ONLY AFTER THE LANDS THEY ARE PROTECTING ARE REHABILITATED/STABILISED.
- ## OTHER MATTERS
15. ACCEPTABLE RECEPTORS WILL BE PROVIDED FOR CONCRETE AND MORTAR SLURRIES, PAINTS, ACID WASHINGS, LIGHT-WEIGHT WASTE MATERIALS AND LITTER.
 16. ANY EXISTING TREES WHICH FORM PART OF THE FINAL LANDSCAPING PLAN WILL BE PROTECTED FROM CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH LANDSCAPE ARCHITECTS' DETAILS.

2. STRIP ALL TOPSOIL/ORGANIC MATERIAL (50mm NOMINAL) FROM CONSTRUCTION AREA AND REMOVE FROM SITE OR STOCK PILE AS DIRECTED BY SUPERINTENDENT.
3. EXCAVATED MATERIAL TO BE USED AS STRUCTURAL FILL PROVIDED PLACEMENT MOISTURE CONTENT OF THE MATERIAL IS +/- 2% OF THE OPTIMUM MOISTURE CONTENT.
4. COMPACT FILL AREAS AND SUBGRADE TO NOT LESS THAN:

LOCATION	STANDARD DRY DENSITY (AS 1289 E 5.1.1)
UNDER BUILDING SLABS	
ON GROUND	98 - 102%
UNDER ROADS, FOOTWAYS AND CARPARKS	98 - 102%
LANDSCAPED AREAS UNLESS NOTED OTHERWISE	95 - 102%

- BEFORE PLACING FILL, PROOF ROLL EXPOSED SUBGRADE WITH AN 8 TONNE PNEUMATIC SMOOTH DRUM OR VIBRATORY ROLLER TO DETECT THEN REMOVE SOFT SPOTS (AREAS WITH MORE THAN 2mm MOVEMENT UNDER ROLLER).
6. FREQUENCY OF COMPACTION TESTING SHALL BE NOT LESS THAN --
 - (A) 1 TEST PER 200m² OF FILL PLACED PER 200 LAYER OF FILL.
 - (B) 3 TESTS PER LAYER
 - (C) 1 TEST PER 2000m² OF EXPOSED SUBGRADETESTING SHALL BE "LEVEL 1" TESTING IN ACCORDANCE WITH AS 3799 (2007).
7. FILLING TO BE PLACED AND COMPACTED IN MAXIMUM 200mm LAYERS
8. NO FILLING SHALL TAKE PLACE TO EXPOSED SUBGRADE UNTIL THE AREA HAS BEEN PROOF ROLLED IN THE PRESENCE OF THE GEOTECHNICAL ENGINEER AND APPROVAL GIVEN IN WRITING THAT FILLING CAN PROCEED.
9. WHERE GROUNDWATER DISCHARGE OCCURS IN BULK EXCAVATIONS OR CUT FACES, SUBSOIL DRAINAGE SHALL BE INSTALLED IN ACCORDANCE WITH THE SITE SUPERINTENDENT / GEOTECH INSTRUCTIONS TO DIRECT DISCHARGE WATER TO THE NEAREST STORMWATER / SEDIMENTATION CONTROL DEVICE. THE SUBSOIL DRAINAGE MUST BE INSTALLED AS SOON AS PRACTICALLY POSSIBLE AFTER EXCAVATION. SUBSOIL DRAINAGE SHALL ALSO BE INSTALLED AT LOW POINTS IN THE FINISHED EARTHWORK PROFILE IN ACCORDANCE WITH THE SITE SUPERINTENDENT / GEOTECH'S INSTRUCTIONS.
10. ENSURE TEMPORARY DIVERSION CHANNELS ARE CONSTRUCTED AROUND STOCKPILED MATERIALS AND DISTURBED AREAS GENERALLY AS DETAILED.
11. THE CONTRACTOR SHALL ALLOW FOR AND COORDINATE ALL MONITORING AND MAINTENANCE REQUIREMENTS IN RELATION TO SOIL AND GROUNDWATER CONDITIONS DURING CONSTRUCTION.

TELSTRA'S PLANS SHOW ONLY THE PRESENCE OF CABLES AND PLANT. THEY ONLY SHOW THEIR POSITION RELATIVE TO ROAD BOUNDARIES, PROPERTY FENCES ETC. AT THE TIME OF INSTALLATION AND TELSTRA DOES NOT WARRANT OR HOLD OUT THAT SUCH PLANS ARE ACCURATE THEREAFTER DUE TO CHANGES THAT MAY OCCUR OVER TIME. DO NOT ASSUME DEPTH OR ALIGNMENT OF CABLES OR PLANT AS THESE VARY SIGNIFICANTLY.

THE CONTRACTOR HAS A DUTY OF CARE WHEN EXCAVATING NEAR TELSTRA CABLES AND PLANT. BEFORE USING MACHINE EXCAVATORS TELSTRA PLANT MUST FIRST BE PHYSICALLY EXPOSED BY SOFT DIG POTHOLING TO IDENTIFY ITS LOCATION TELSTRA WILL SEEK COMPENSATION FOR DAMAGES CAUSED TO ITS PROPERTY AND LOSSES CAUSED TO TELSTRA AND ITS CUSTOMERS.

THE LOCATIONS OF UNDERGROUND SERVICES SHOWN IN THIS SET OF DRAWINGS HAVE BEEN PLOTTED FROM SURVEY INFORMATION AND SERVICE AUTHORITY INFORMATION. THE SERVICE INFORMATION HAS BEEN PREPARED ONLY TO SHOW THE APPROXIMATE POSITIONS OF ANY KNOWN SERVICES AND MAY NOT BE AS CONSTRUCTED OR ACCURATE.

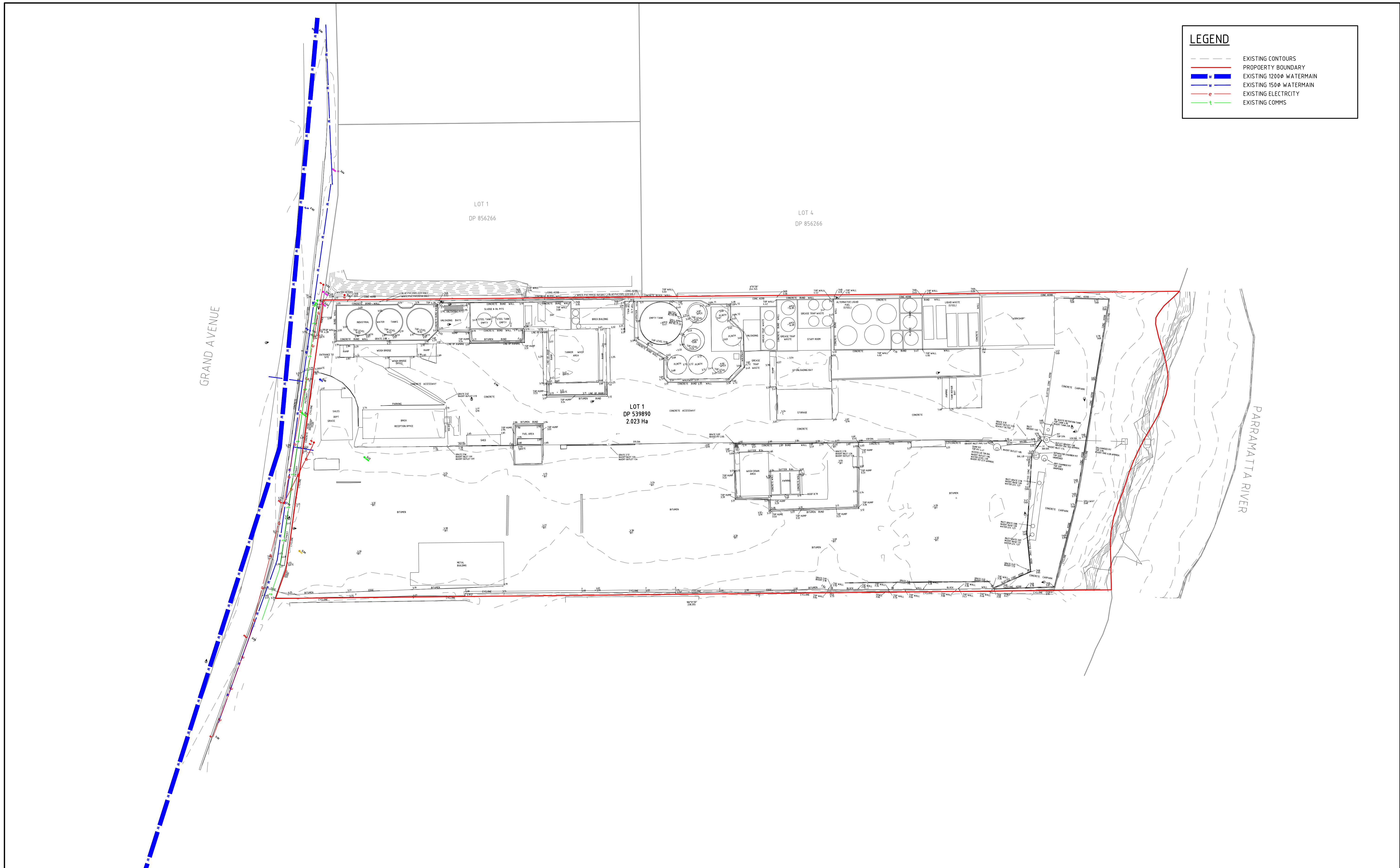
HYDER CONSULTING CAN NOT GUARANTEE THAT THE SERVICES INFORMATION SHOWN ON THESE DRAWINGS ACCURATELY INDICATES THE PRESENCE OR ABSENCE OF SERVICES OR THEIR LOCATION AND WILL ACCEPT NO LIABILITY FOR INACCURACIES IN THE SERVICES INFORMATION SHOWN FROM ANY CAUSE WHATSOEVER.

CONTRACTORS SHALL TAKE DUE CARE WHEN EXCAVATING ONSITE INCLUDING HAND EXCAVATION WHERE NECESSARY.

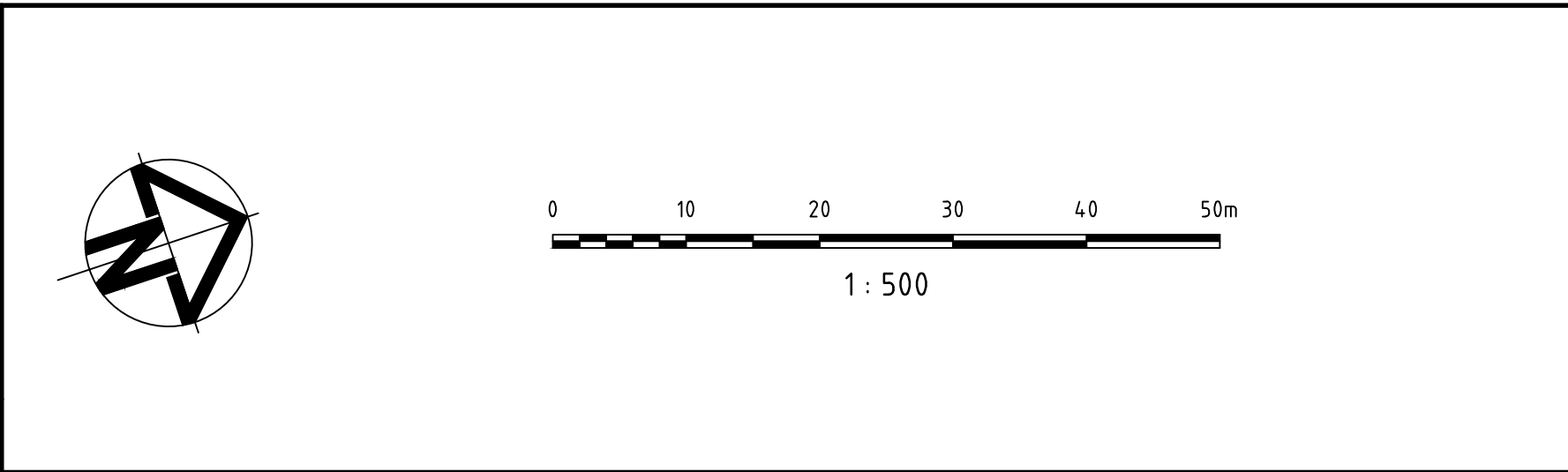
CONTRACTORS ARE TO CONTACT THE RELEVANT SERVICE AUTHORITY PRIOR TO COMMENCEMENT OF EXCAVATION WORKS.

CONTRACTORS ARE TO UNDERTAKE A SERVICES SEARCH, PRIOR TO COMMENCEMENT OF WORKS ON SITE. SEARCH RESULTS ARE TO BE KEPT ON SITE AT ALL TIMES.

[illegible]



P2	FOR APPROVAL	18-11-13
P1	ISSUE FOR INFORMATION	13-11-13
Issue	Description	Date



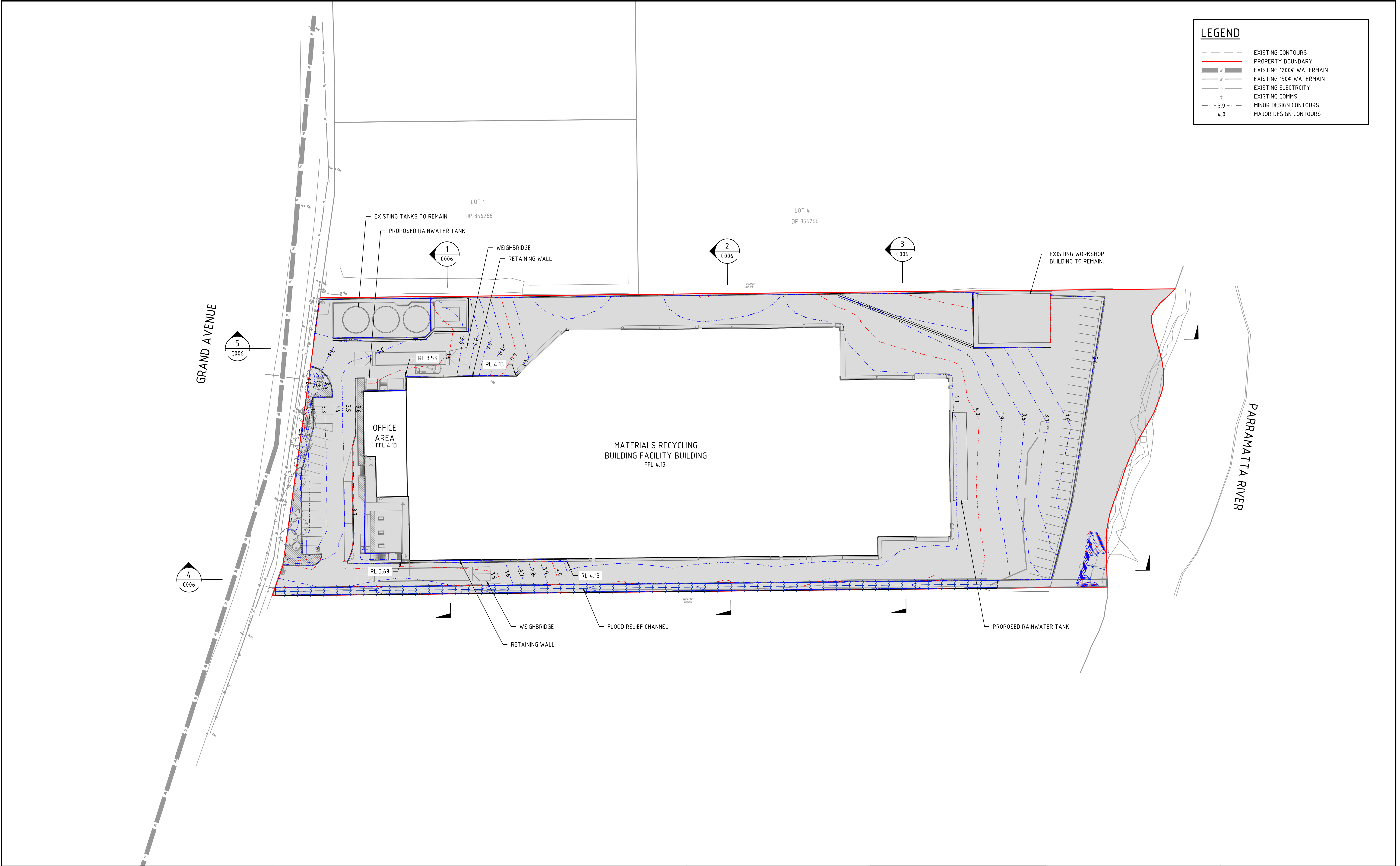
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Height Datum	AHD	Checked M KURTZ
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Project	CAMELLIA COMMERCIAL AND INDUSTRIAL MATERIALS RECYCLING FACILITY	
Title	EXISTING SITE PLAN	

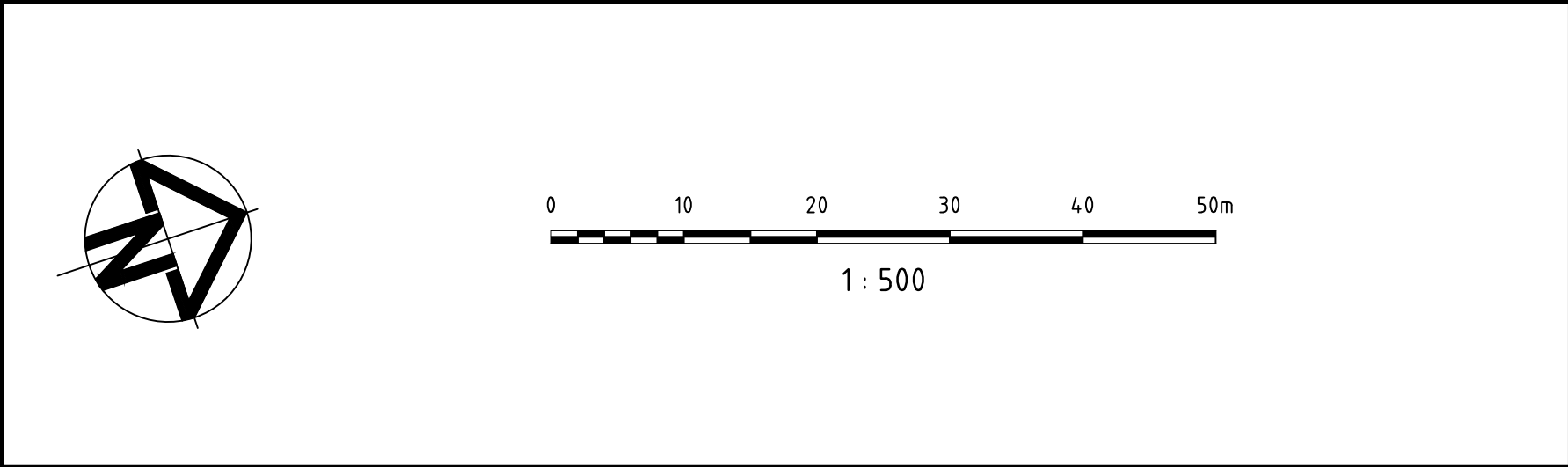


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Drawing No.	Project No.	Issue
C002	AA005209	P2



P1	FOR APPROVAL	18-11-13
P1	ISSUE FOR INFORMATION	13-11-13
Issue	Description	Date



Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	
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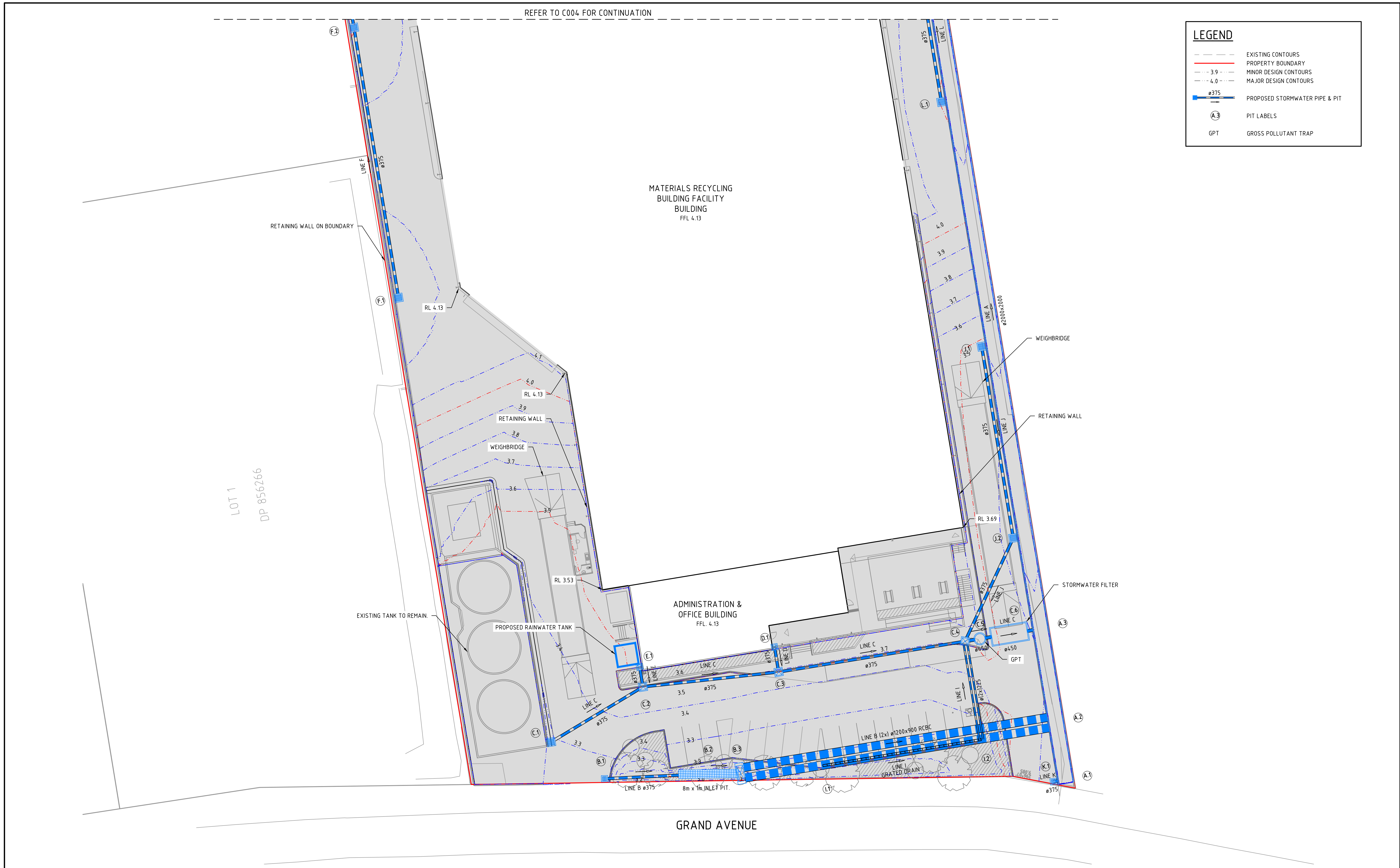
Project	CAMELLIA COMMERCIAL AND INDUSTRIAL MATERIALS RECYCLING FACILITY	
Title	GERNERAL ARRANGEMENT PLAN	

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Drawing No.	Project No.	Issue
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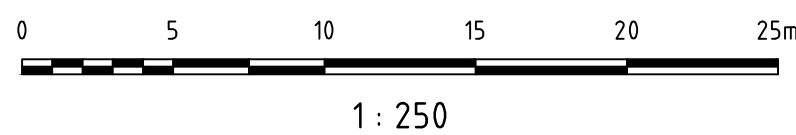
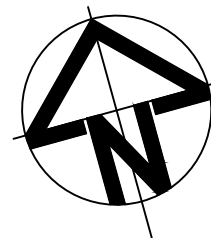
REFER TO C004 FOR CONTINUATION

LEGEND

- EXISTING CONTOURS
- PROPERTY BOUNDARY
- MINOR DESIGN CONTOURS
- MAJOR DESIGN CONTOURS
- PROPOSED STORMWATER PIPE & PIT
- PIT LABELS
- GPT
- GROSS POLLUTANT TRAP



P2	FOR APPROVAL	18-11-13
P1	ISSUE FOR INFORMATION	13-11-13
Issue	Description	Date



Client



Status

FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

Scales

1:250

Current Issue Signatures

Original Size

A1

Height

AHD

Datum

Checked

Approved

Grid

Approved

Filename: C004-AA005209-NSD-00-STORMWATER PLAN-SHEET 1.dwg

Project

CAMELLIA COMMERCIAL
AND
INDUSTRIAL MATERIALS
RECYCLING FACILITY

Title

SITWORKS AND
STORMWATER PLAN
SHEET 1



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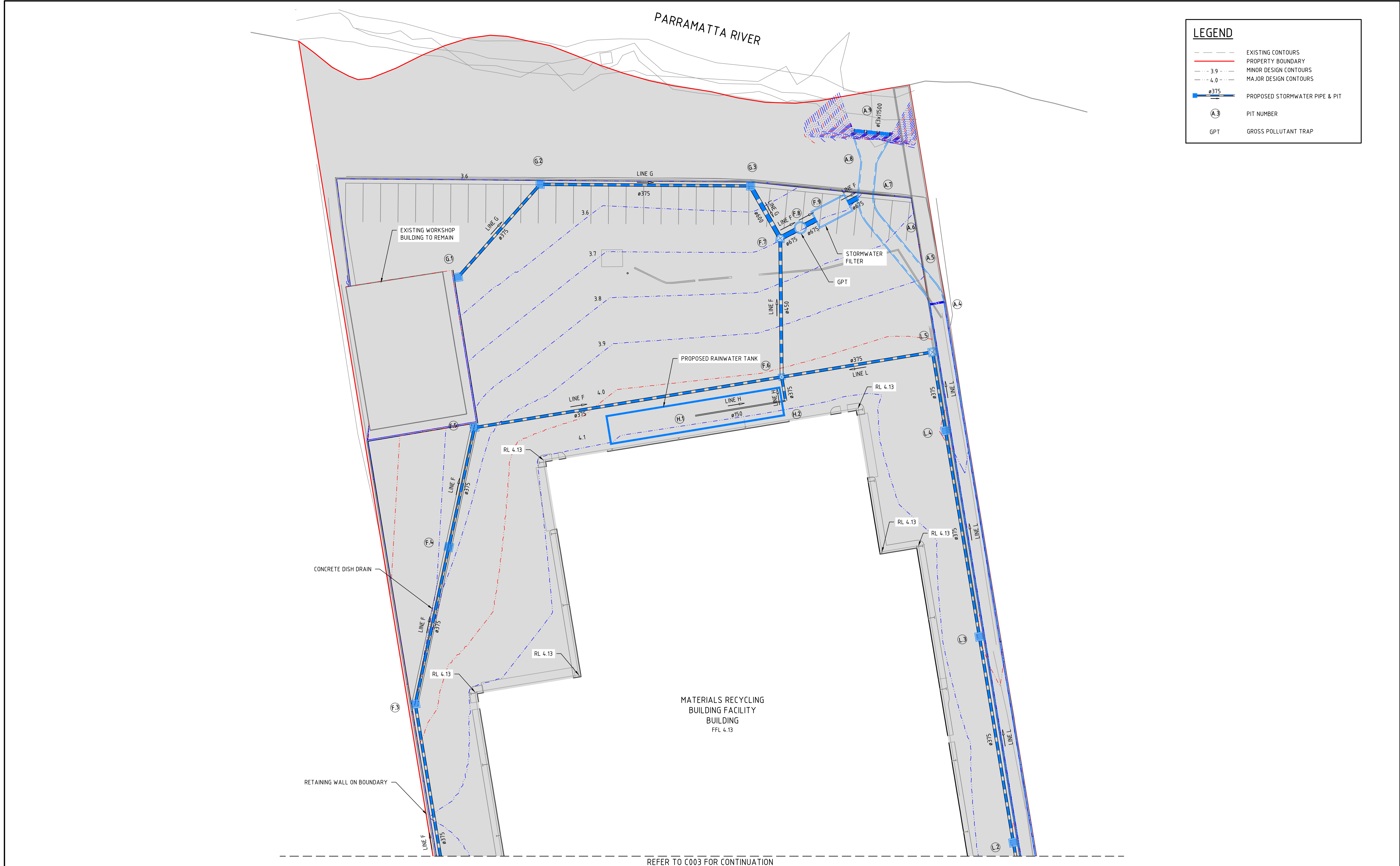
C004

Project No.

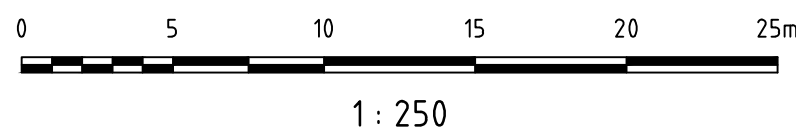
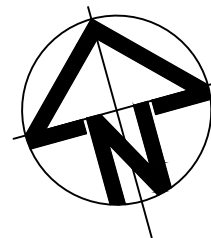
AA005209

Issue

P2



P2	FOR APPROVAL	18-11-13
P1	ISSUE FOR INFORMATION	13-11-13
Issue	Description	Date



Client

VEOLIA
ENVIRONMENTAL
SERVICES

Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	
Scales	1:250	Current Issue Signatures
	Drawn M.JOYCE	
Original Size	A1	Designed ADAM K
Height Datum	AHD	Checked M KURTZ
Grid		Approved
Filename: C005-AA005209-NSD-00-STORMWATER PLAN-SHEET 2.dwg		

Project

CAMELLIA COMMERCIAL AND INDUSTRIAL MATERIALS RECYCLING FACILITY

Title

SITWORKS AND STORMWATER PLAN SHEET 2

Hyder

HYDER CONSULTING PTY LTD

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Australia

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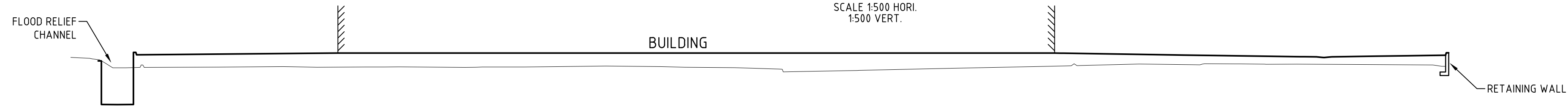
Drawing No.	Project No.	Issue
C005	AA005209	P2

	PROPOSED LEVEL	
EXISTING LEVEL		
CHAINAGE	0.000	3.49
	10.000	3.35
	20.000	3.30
	30.000	3.25
	40.000	3.24
	50.000	3.28
	60.000	3.26
	70.000	3.27
	80.000	3.24
	90.000	3.11
	100.000	3.12
	110.000	3.14
	120.000	3.14
	130.000	3.10
	140.000	3.05
	150.000	3.02
	160.000	3.00
	170.000	2.98
	180.000	3.08
	190.000	3.25
	200.000	3.36
	210.000	3.36
	220.000	3.47
	230.000	3.66
	240.000	2.43
	248.200	0.74

SCALE 1:500 HORI.
1:500 VERT.

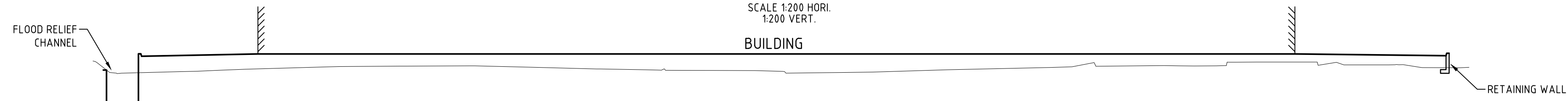
PROPOSED LEVEL																														
EXISTING LEVEL																														
CHAINAGE	0.000	10.000	20.000	30.000	40.000	50.000	60.000	70.000	73.703	80.000	88.759	100.000	110.000	120.000	130.000	140.000	150.000	160.000	169.812	180.000	190.000	200.000	210.000	212.124	220.000	230.000	240.000	250.000	260.000	264.800
		3.07	3.00	2.72	2.79	2.90	3.03	3.14	3.18	3.26	3.28	3.32	3.21	3.40	3.41	3.43	3.40	3.39	3.45	3.46	3.45	3.47	3.54	3.55	3.52	3.36	3.47	3.02	2.65	0.92

SCALE 1:500 HORI.
1:500 VERT.

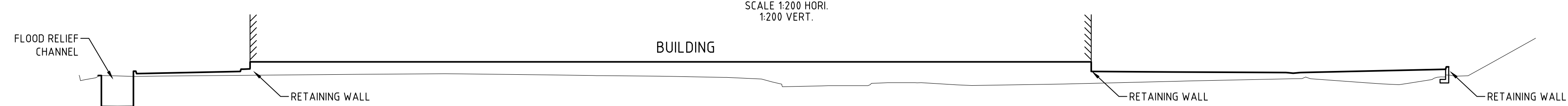


PROPOSED LEVEL											
EXISTING LEVEL	0.000	10.000	20.000	30.000	40.000	50.000	60.000	70.000	80.000	90.000	94.811
CHAINAGE	4.056	4.130	4.130	4.130	4.130	4.130	4.130	4.034	3.895		

SCALE 1:200 HORI.
1:200 VERT.

[illegible]

SCALE 1:200 HORI.
1:200 VERT.



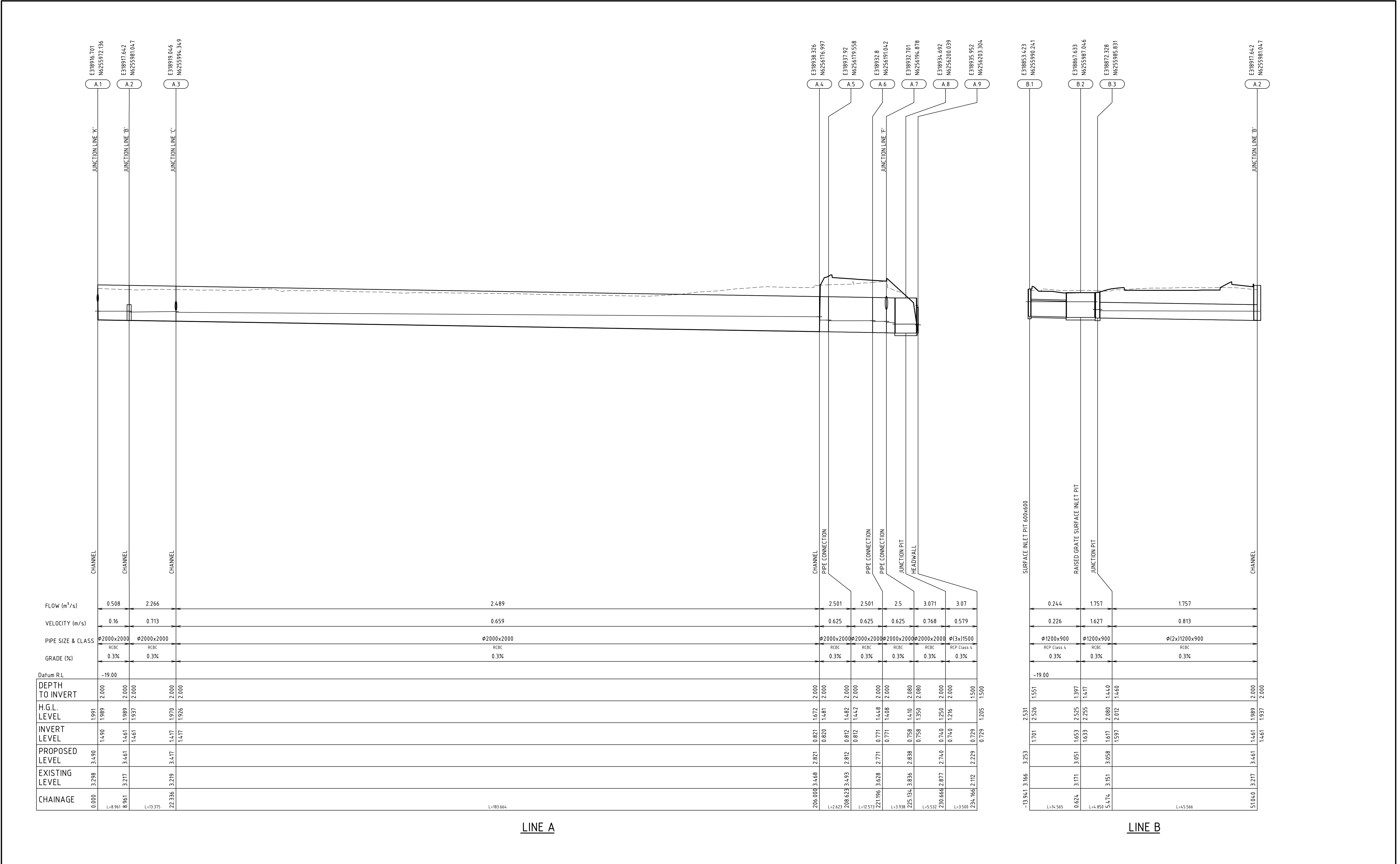
PROPOSED LEVEL										
EXISTING LEVEL	3.27	3.35	3.34	3.22	2.65	2.68	2.88	3.06	3.47	
CHAINAGE	0.000	10.000	20.000	30.000	40.000	50.000	60.000	70.000	80.000	90.000

SCALE 1:200 HORI.
1:200 VERT.

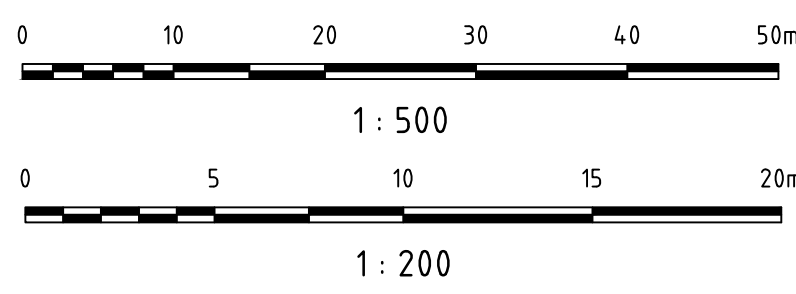


Project	CAMELLIA COMMERCIAL AND INDUSTRIAL MATERIALS RECYCLING FACILITY
Title	SITE WORKS SECTIONS

			
HYDER CONSULTING PTY LTD ABN 76 104 485 289 Level 5, 141 Walker St North Sydney NSW 2060 Australia			
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Drawing No.		Project No.	Issue
C006	—	AA005209	P2



P2	FOR APPROVAL	18-11-13
P1	ISSUE FOR INFORMATION	13-11-13
Issue	Description	Date



Client

Status

FOR APPROVAL

NOT TO BE USED FOR CONSTRUCTION

Scales

1:500

1:200

Original Size

A1

Height Datum

AHD

Grid

Filename

C007-AA005209-NSD-00-DRAINAGE LS01.dwg

Project

CAMELLIA COMMERCIAL AND INDUSTRIAL MATERIALS RECYCLING FACILITY

Title

DRAINAGE SECTIONS SHEET 1

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Drawing No.

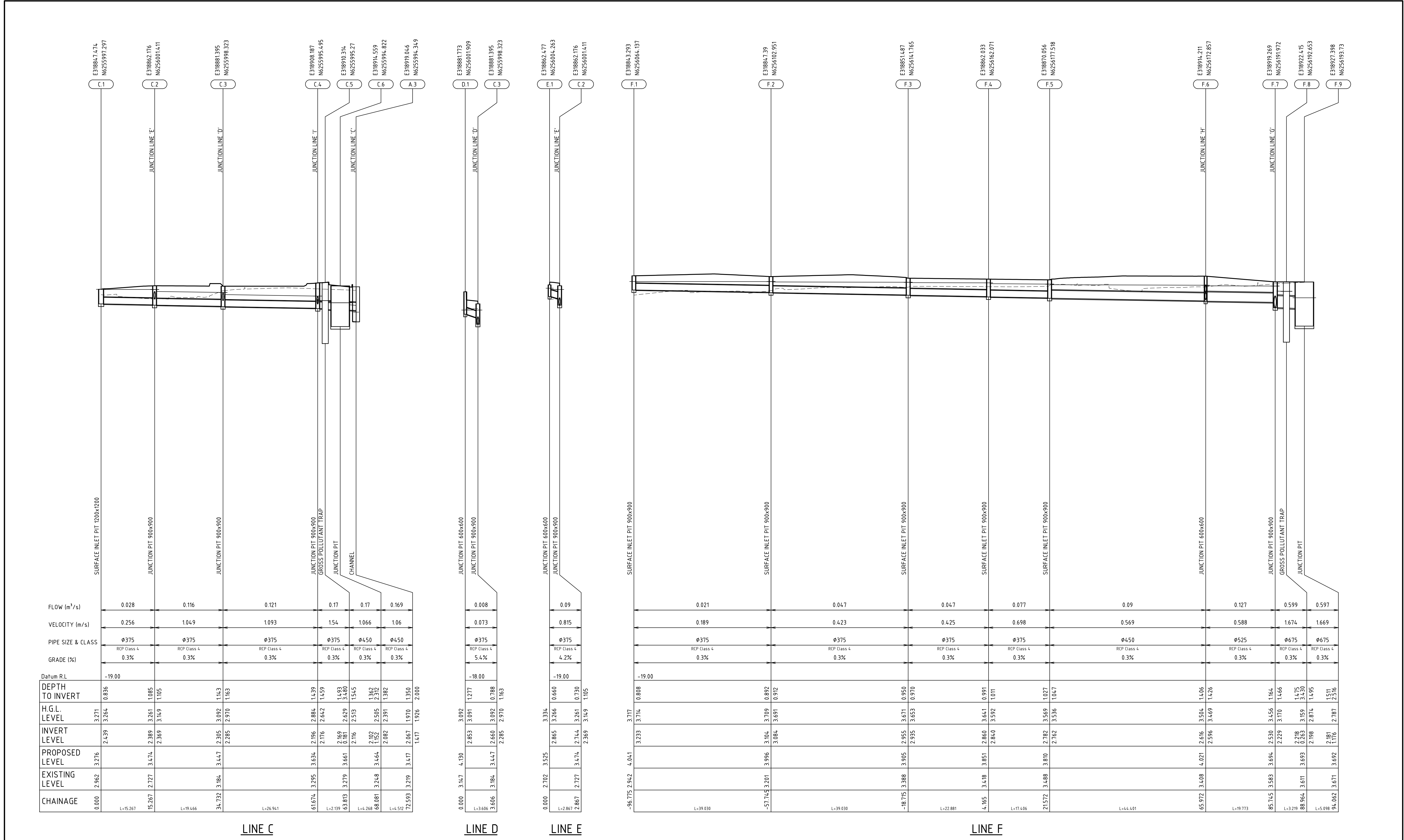
C007

Project No.

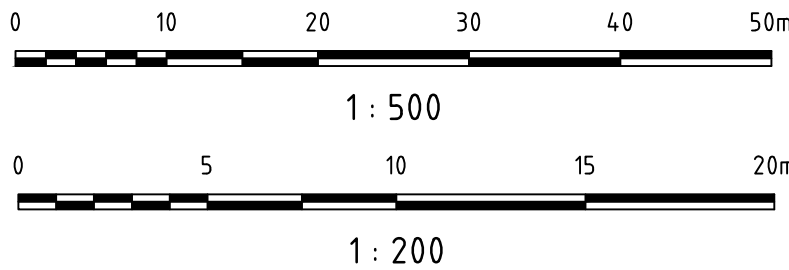
AA005209

Issue

P2



P2	FOR APPROVAL	18-11-13
P1	ISSUE FOR INFORMATION	13-11-13
Issue	Description	Date



Client

Status

FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

Scales	1:500 1:200	Current Issue Signatures
Original Size	A1	Drawn ADAM K
Height Datum	AHD	Designed ADAM K
Grid		Checked M KURTZ
Grid		Approved
Filename:	C008-AA005209-NSD-00-DRAINAGE LS02.dwg	

Project

CAMELLIA COMMERCIAL AND INDUSTRIAL MATERIALS RECYCLING FACILITY

DRAINAGE SECTIONS SHEET 2

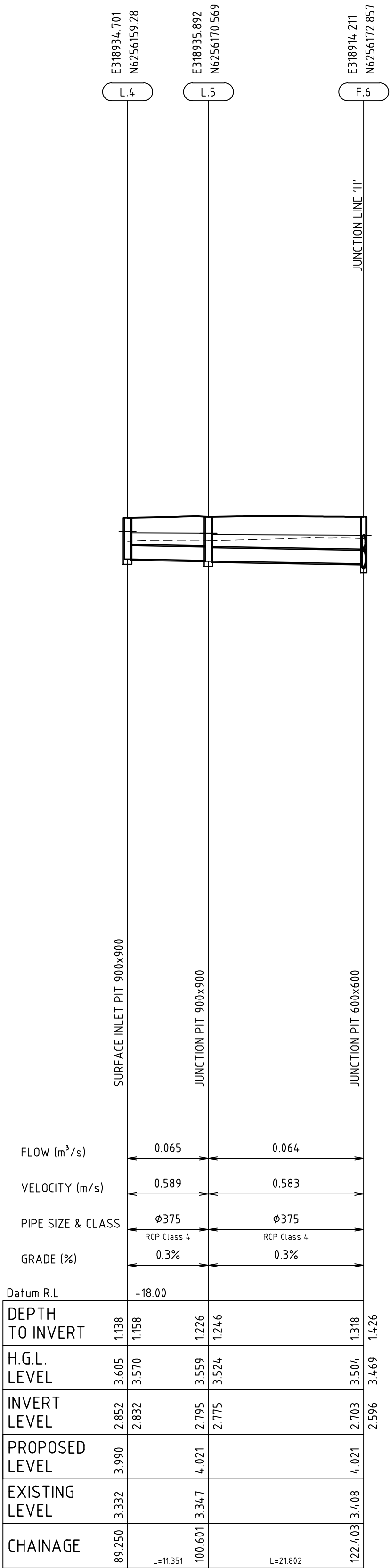
HYDER CONSULTING PTY LTD

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Level 5, 141 Walker St
North Sydney NSW 2060
Australia

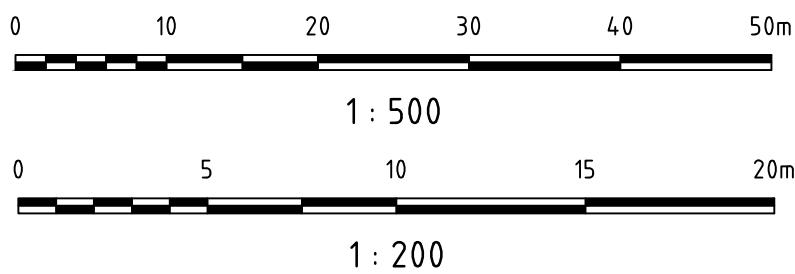
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Drawing No.	Project No.	Issue
C008	AA005209	P2





LINE L



P2	FOR APPROVAL	18-11-13
P1	ISSUE FOR INFORMATION	13-11-13
Issue	Description	Date

Client



Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION		
Scales	1:500 1:200	Current Issue Signatures	
		Drawn ADAM K	
Original Size	A1	Designed ADAM K	
Height Datum	AHD	Checked M KURTZ	
Grid		Approved	
Filename:	C010-AA005209-NSD-00-DRAINAGE LS04.dwg		

Project

CAMELLIA COMMERCIAL
AND
INDUSTRIAL MATERIALS
RECYCLING FACILITY

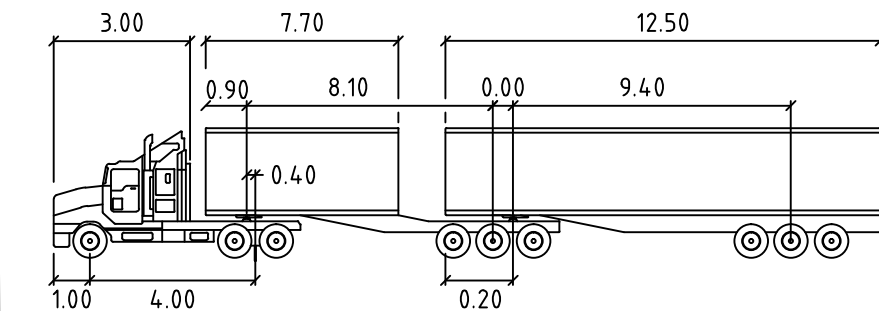
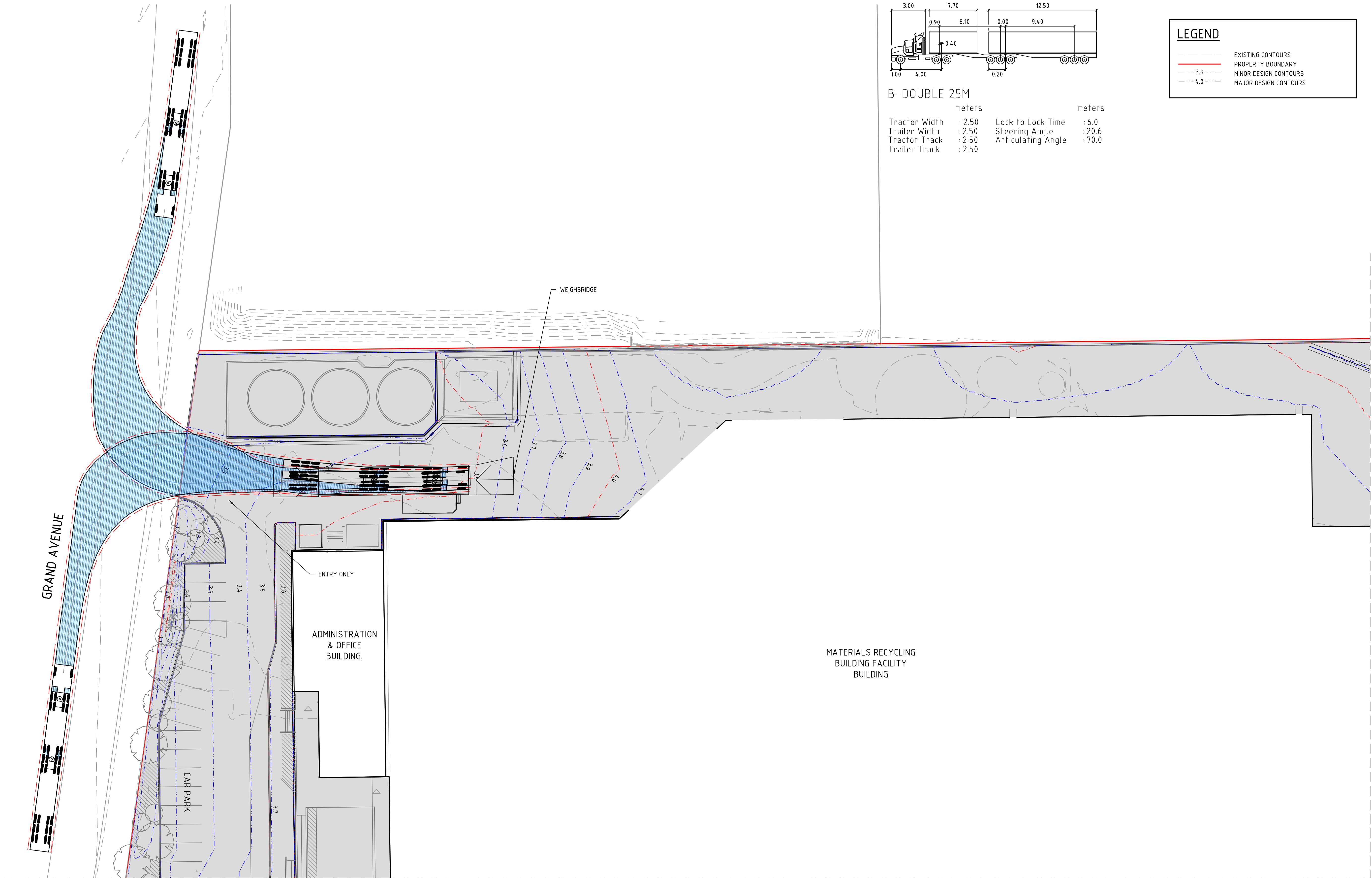
Title

DRAINAGE SECTIONS
SHEET 4



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Drawing No.	Project No.	Issue
C010	AA005209	P2



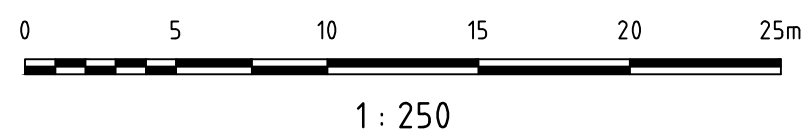
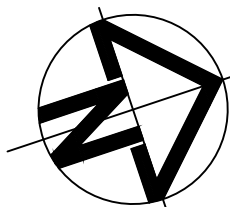
B-DOUBLE 25M

	Tractor	Trailer
Tractor Width	2.50	2.50
Trailer Width	2.50	2.50
Tractor Track	2.50	2.50
Trailer Track	2.50	2.50
Lock to Lock Time	6.0	20.6
Steering Angle	70.0	
Articulating Angle		

LEGEND

- EXISTING CONTOURS
- PROPERTY BOUNDARY
- MINOR DESIGN CONTOURS
- MAJOR DESIGN CONTOURS

P2	FOR APPROVAL	18-11-13
P1	ISSUE FOR INFORMATION	13-11-13
Issue	Description	Date



Client

Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	
Scales	1:250	Current Issue Signatures
	Drawn ADAM K	
Original Size	A1	Designed ADAM K
Height Datum	AHD	Checked M KURTZ
Grid		Approved
Filename: C011-AA005209-NSD-00-TURNING PATHS-SHEET 1.dwg		

Project

CAMELLIA COMMERCIAL AND INDUSTRIAL MATERIALS RECYCLING FACILITY

Title

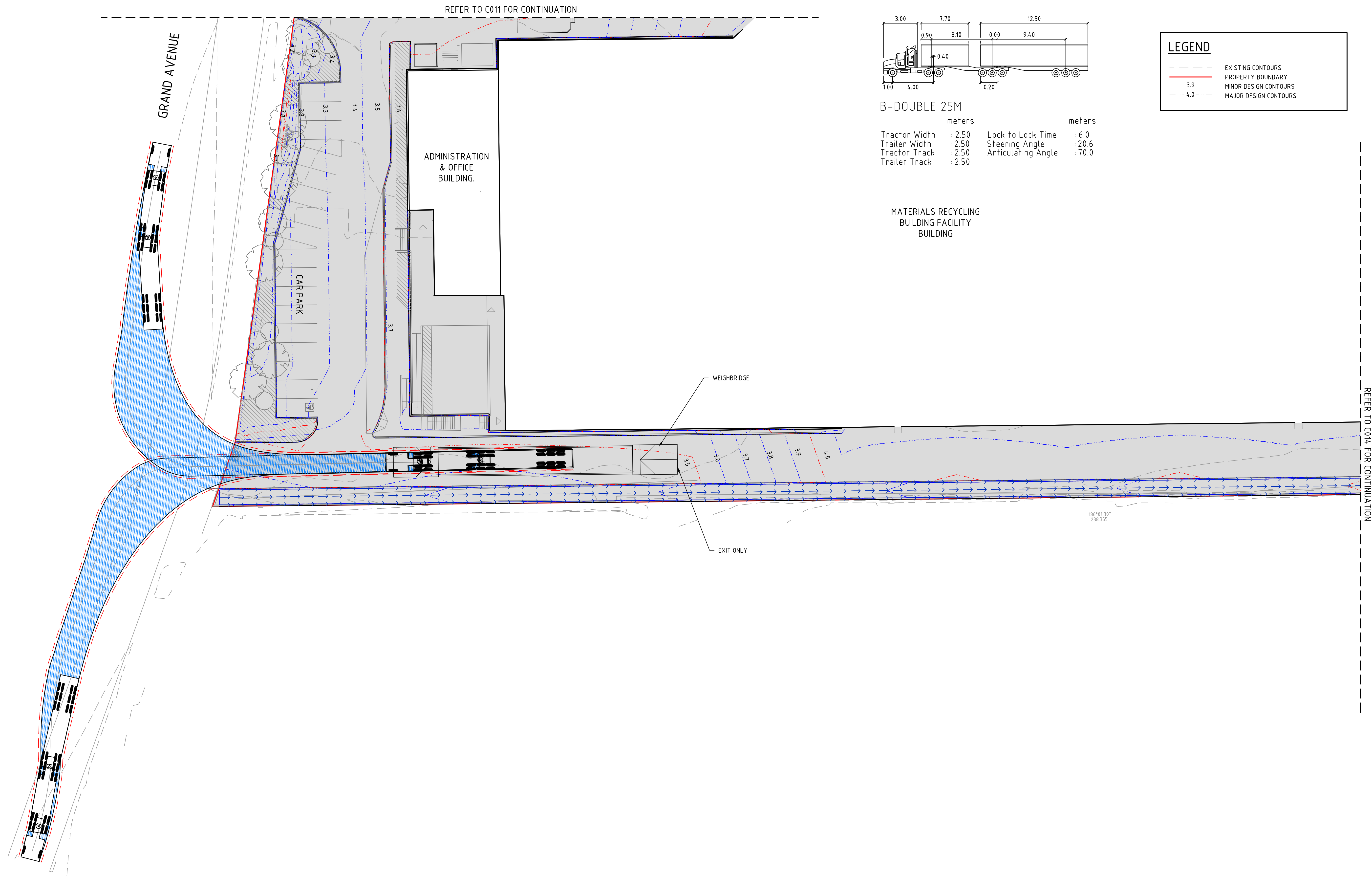
TRAFFIC FLOW TURNING PATHS PLAN SHEET 1

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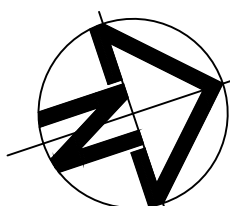
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Drawing No.	Project No.	Issue
C011	AA005209	P2



P2	FOR APPROVAL	18-11-13
P1	ISSUE FOR INFORMATION	13-11-13
Issue	Description	Date



0 5 10 15 20 25m

1 : 250

Client



Status		
FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION		
Scales	1:250	Current Issue Signatures
		Drawn ADAM K
Original Size	A1	Designed ADAM K
Height Datum	AHD	Checked M KURTZ
Grid		Approved
Filename: C012-AA005209-NSD-00-TURNING PATHS-SHEET 2.dwg		

Project	CAMELLIA COMMERCIAL AND INDUSTRIAL MATERIALS RECYCLING FACILITY	
	TRAFFIC FLOW TURNING PATHS PLAN SHEET 2	
Title		

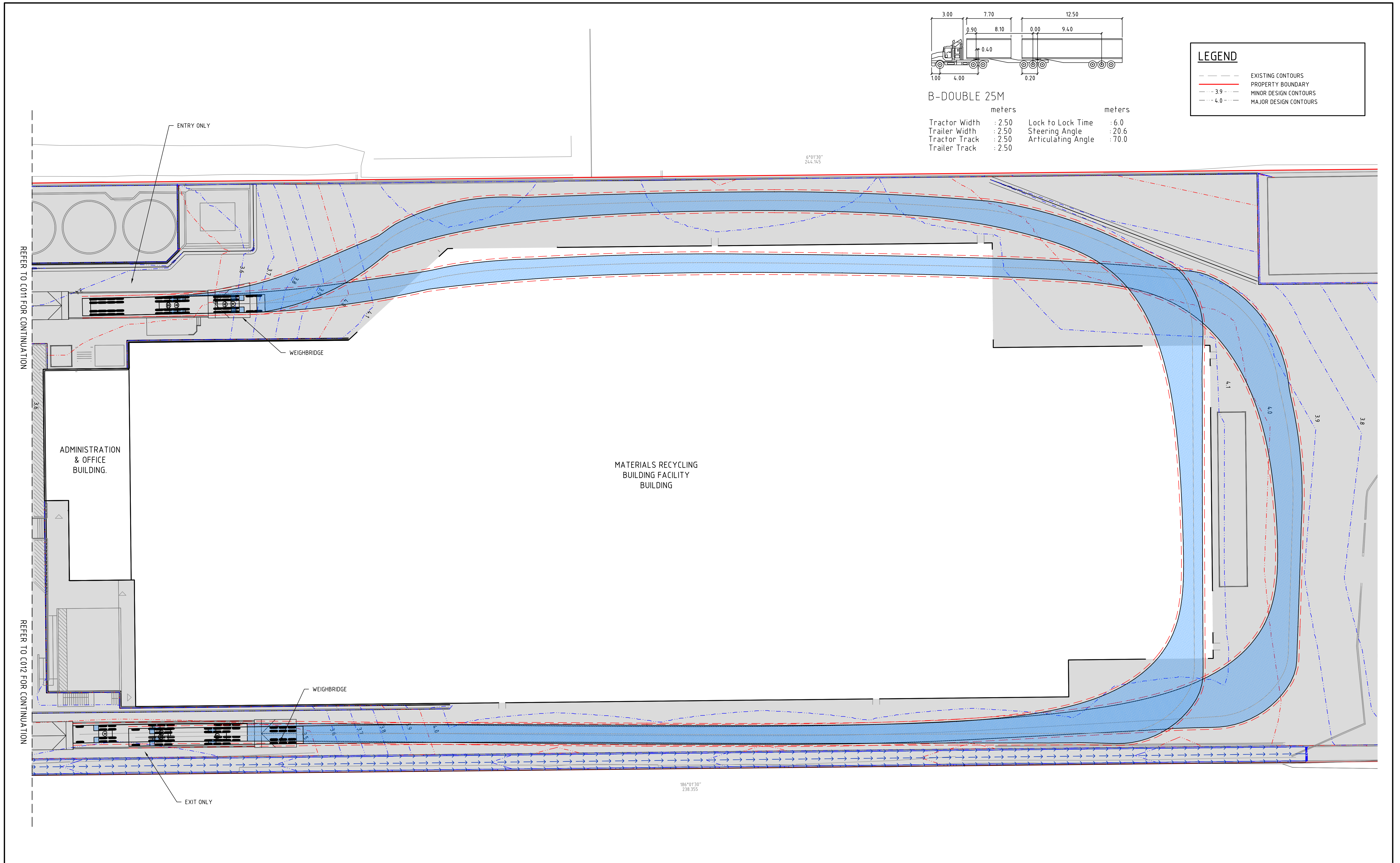


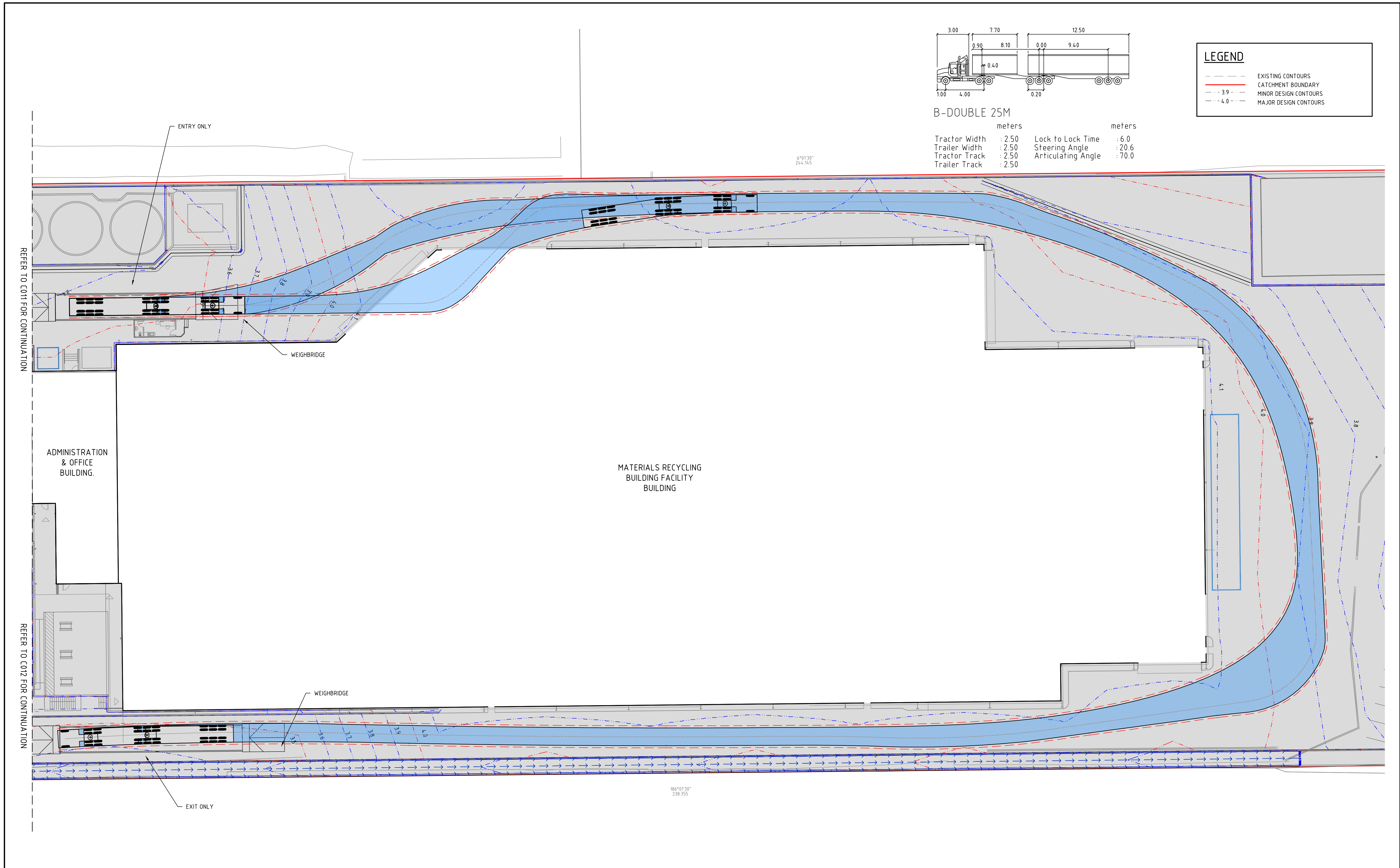
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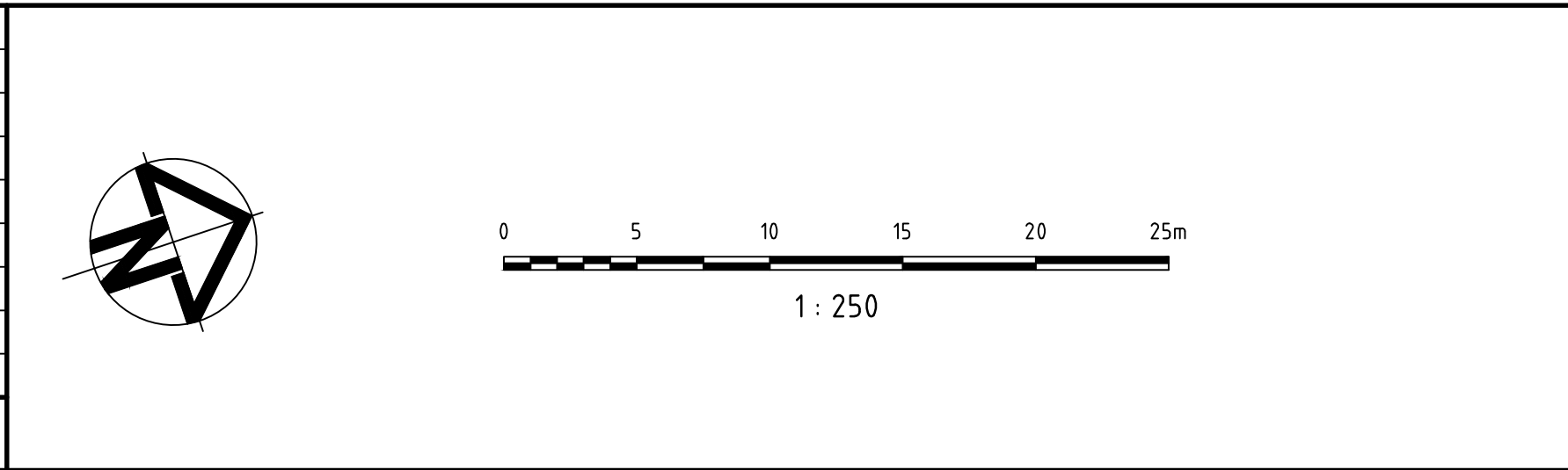
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Drawing No. C012 Project No. AA005209 Issue P2





P2	FOR APPROVAL	18-11-13
P1	ISSUE FOR INFORMATION	13-11-13
Issue	Description	Date



Client

Status	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	
Scales	1:250	Current Issue Signatures
Original Size	A1	Drawn ADAM K
Height Datum	AHD	Designed ADAM K
Grid		Checked M KURTZ
		Approved
Filename: C014-AA005209-NSD-00-TURNING PATHS-SHEET 4.dwg		

Project

CAMELLIA COMMERCIAL AND INDUSTRIAL MATERIALS RECYCLING FACILITY

Title

TRAFFIC FLOW TURNING PATHS PLAN SHEET 4

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Drawing No.	Project No.	Issue
C014	AA005209	P2