

PROJECT NAME:

CAMPBELL SECTION 5

JOB NUMBER:

140778

DISCIPLINE:

CIVIL

PROJECT LOCATION:

BLOCK 1 SECTION 131
CAMPBELL

SUBMISSION TYPE:

WORKS
APPROVAL

DEVELOPER NAME:

JWLAND

DRAWING INDEX

DRG No.	DRAWING TITLE
C001	TITLE SHEET, DRAWING INDEX & LOCALITY PLAN
C003	GENERAL NOTES
C101	LANDSCAPE MANAGEMENT AND PROTECTION PLAN
C102	POLLUTION CONTROL PLAN
C103	SITE ESTABLISHMENT NOTES & DETAILS
C104	TEMPORARY TRAFFIC MANAGEMENT PLAN 1
C107	DEMOLITION PLAN
C110	BULK EARTHWORKS PLAN
C111	BULK EARTHWORKS SECTIONS 1
C112	BULK EARTHWORKS SECTIONS 2
C201	EXTERNAL SERVICES PLAN
C202	EXTERNAL SERVICES DETAILS
C301	CIVIL WORKS PLAN
C302	CIVIL DETAILS PLAN
C303	LONG SECTIONS
C401	STORMWATER MANAGEMENT PLAN
C501	TURNING DEMONSTRATION PLAN 1
C502	TURNING DEMONSTRATION PLAN 2
C503	TURNING DEMONSTRATION PLAN 3
C701	WASTE MANAGEMENT PLAN



COPYRIGHT ACTmap 2017

LOCALITY PLAN



sellick consultants

po box 5005 braddon act 2612

p: 02 6201 0200 f: 02 6247 2203

sellickconsultants.com.au

BESTPRACTICE
CERTIFICATION



ISO9001
QUALITY
MANAGEMENT SYSTEM

BESTPRACTICE
CERTIFICATION

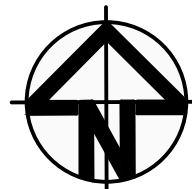



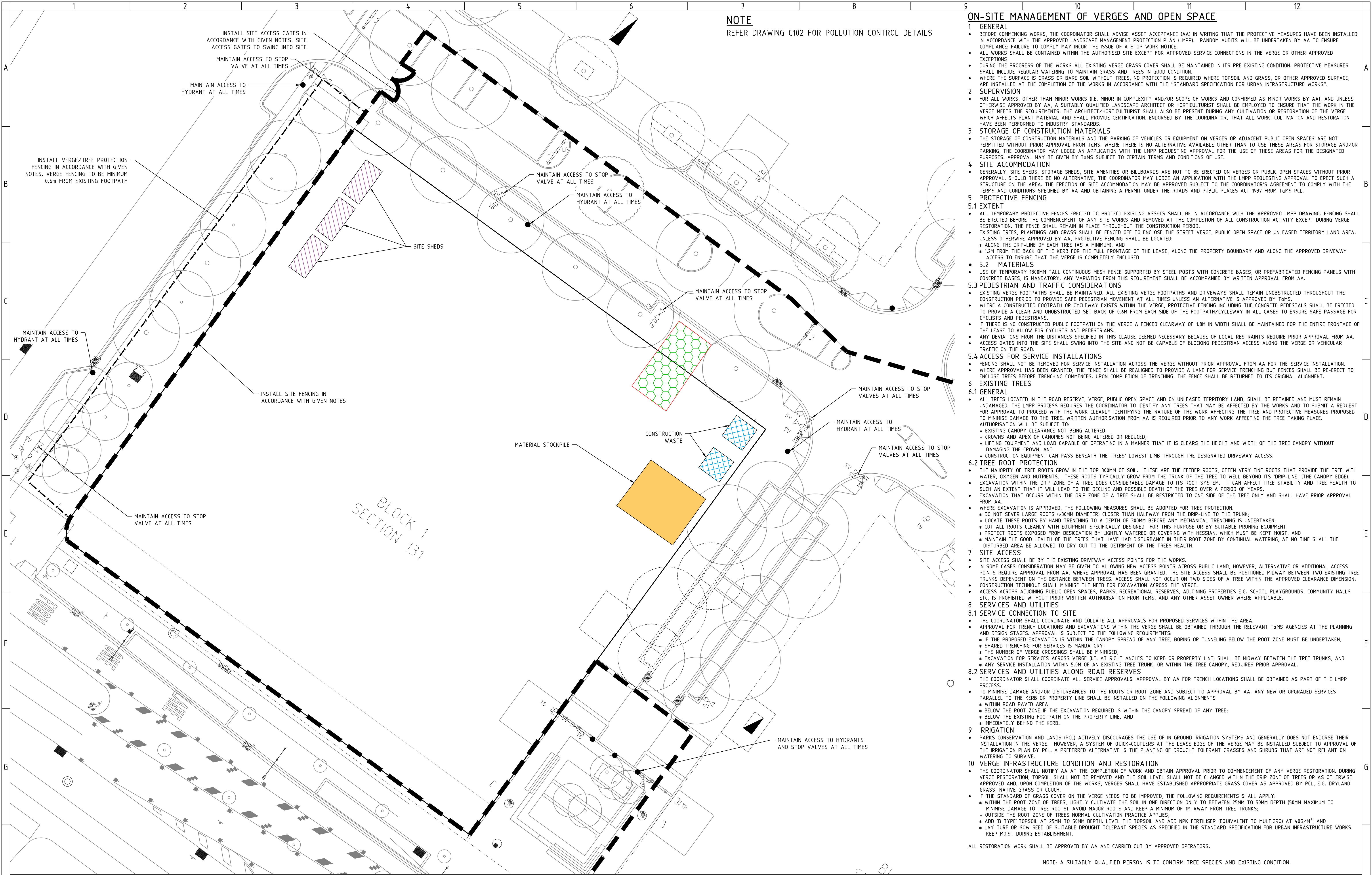
ISO14001
ENVIRONMENT
MANAGEMENT SYSTEM

BESTPRACTICE
CERTIFICATION



AS4801
OH&S
MANAGEMENT SYSTEM

	1	2	3	4	5	6	7	8	9	10	11	12	
A	<div><div>GENERAL NOTES</div><div><div><div>1.</div><div>THE CONTRACTOR MUST COMPLY WITH THE CURRENT WORK HEALTH AND SAFETY REGULATIONS AND THE RELEVANT INDUSTRY CODES AND PRACTICE GUIDELINES</div></div><div><div>2.</div><div>ALL WORK ON ICON WATER SUPPLY AND SEWER MAINS TO BE CARRIED OUT IN ACCORDANCE WITH CURRENT ICON WATER SUPPLY & SEWERAGE STANDARDS RELEASE 2, AMENDMENT 5 SEPTEMBER 2012. ALL WORK ON STORMWATER MAINS TO BE CARRIED OUT IN ACCORDANCE WITH DESIGN STANDARDS FOR URBAN INFRASTRUCTURE AND STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.</div></div><div><div>3.</div><div>CONNECTIONS AND OR DISCONNECTIONS OF SEWER AND WATER AT THE MAIN TO BE MADE BY ICON WATER AT CONTRACTOR'S EXPENSE. THE CONTRACTOR IS TO EXPOSE THE MAIN AT THE LOCATION OF THE CONNECTION/DISCONNECTION IN PREPARATION FOR THE WORK BY ICON WATER. ALL EXCAVATION IN THE VICINITY OF MAINS IS TO BE CARRIED OUT BY HAND.</div></div><div><div>4.</div><div>ALTHOUGH THE POSITIONS OF EXISTING UNDERGROUND SERVICES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS, THE CONTRACTOR SHALL CONFIRM THE DEPTH AND LOCATION OF ALL SERVICES ON SITE BEFORE COMMENCING EXCAVATIONS. CONTRACTOR TO ADVISE DESIGN ENGINEER IF NOT IN ACCORDANCE WITH THE PLAN.</div></div><div><div>5.</div><div>ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM (AHD)</div></div><div><div>6.</div><div>ALL COORDINATES ARE BASED ON THE CANBERRA LOCAL GRID SYSTEM.</div></div><div><div>7.</div><div>THE CONTRACTOR MUST SECURE ALL PERMITS, ARRANGE ALL CLEARANCES AND PAY ALL FEES REQUIRED TO COMPLETE THE PROJECT BEFORE COMMENCING WORK.</div></div><div><div>8.</div><div>WORK AS EXECUTED DRAWINGS, TIE BOOK AND DEPOSITED PLAN MUST BE SUBMITTED BEFORE CONNECTION.</div></div><div><div>9.</div><div>ANY NON-METALLIC WATER SERVICE IS TO BE INSTALLED WITH TRACER WIRE AND TESTED.</div></div><div><div>10.</div><div>EXCESS EXCAVATED MATERIAL SHALL BE REMOVED FROM SITE AND DISPOSED OF AT AN APPROVED SPOIL AREA.</div></div><div><div>11.</div><div>THE CONTRACTOR SHALL REINSTATE ALL DISTURBED SURFACES TO MATCH EXISTING.</div></div><div><div>12.</div><div>THE CONTRACTOR IS RESPONSIBLE FOR THE PREPARATION OF ALL NECESSARY TEMPORARY TRAFFIC MANAGEMENT PLANS AND THEIR APPROVAL IN ACCORDANCE WITH AS1742.3</div></div><div><div>11.</div><div>THE CONTRACTOR IS RESPONSIBLE FOR THE PREPARATION OF ALL NECESSARY POLLUTION CONTROL PLANS AND THEIR APPROVAL.</div></div><div><div>12.</div><div>SURFACES WHICH LIE OUTSIDE THE GENERAL LIMIT OF LANDSCAPING AND RESTORATION WHICH ARE DISTURBED DURING THE CONSTRUCTION OF THE WORKS, SHALL BE RESTORED BY THE CONTRACTOR AT THE CONTRACTORS EXPENSE TO AT LEAST THEIR PRE-CONSTRUCTION CONDITION</div></div><div><div>13.</div><div>USE FIGURED DIMENSIONS – DO NOT SCALE</div></div><div><div>14.</div><div>MAKE SMOOTH CONNECTION TO EXISTING WORK</div></div><div><div>15.</div><div>ALL CONSTRUCTION WORKS SHALL BE COORDINATED WITH ADJACENT CONTRACTS</div></div><div><div>16.</div><div>ALL CONSTRUCTION WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH THE CONTRACT DOCUMENTS</div></div><div><div>17.</div><div>THE CONTRACTOR MUST MAKE ALLOWANCES FOR ALL TOPOGRAPHIC CONSTRAINTS AFFECTING THE EXECUTION OF THE WORKS AND THE RESTORATION OF THE SITE.</div></div><div><div>18.</div><div>SERVICES INDICATED ON THESE PLANS WERE COMPILED FROM PLANS RECEIVED FROM THE UTILITY COMPANIES THROUGH THE DIAL BEFORE YOU DIG NETWORK</div></div><div><div>19.</div><div>THE LOCATION OF SOME EXISTING UTILITIES ARE SHOWN IN THEIR APPROXIMATE LOCATION ONLY. PRIOR TO ANY DEMOLITION, EXCAVATION OR CONSTRUCTION ON SITE, THE CONTRACTOR SHALL CONTACT THE RELEVANT AUTHORITIES AND VERIFY THE LOCATION OF ALL UNDERGROUND SERVICES ON THE SITE AND OBTAIN ALL NECESSARY CLEARANCES</div></div><div><div>20.</div><div>ALL DESIGN SUBGRADE VALUES MUST BE CONFIRMED BY THE CONTRACTOR PRIOR TO THE COMMENCEMENT OF PAVEMENT CONSTRUCTION</div></div><div><div>21.</div><div>PROPERTY BOUNDARIES SHOWN ON DRAWINGS ARE TAKEN FROM SUPPLIED CADASTRAL MAPPING AND/OR SURVEYED BOUNDARIES</div></div></div></div> <div><div>ABBREVIATIONS</div><div><div>ANU</div><div>AUSTRALIAN NATIONAL UNIVERSITY</div></div><div><div>BDY</div><div>BOUNDARY</div></div><div><div>BLDG</div><div>BUILDING</div></div><div><div>BK</div><div>BARRIER KERB</div></div><div><div>BKG</div><div>BARRIER KERB AND GUTTER</div></div><div><div>BKT</div><div>BARRIER KERB – TEMPORARY</div></div><div><div>CJ</div><div>CONSTRUCTION JOINT</div></div><div><div>CL</div><div>COVER LEVEL</div></div><div><div>CTB</div><div>CONCRETE THRUST BLOCK</div></div><div><div>DIM</div><div>DIMENSION</div></div><div><div>DSN</div><div>DESIGN</div></div><div><div>DRC</div><div>DEVELOPMENT, REVIEW AND COORDINATION</div></div><div><div>DWY</div><div>DRIVEWAY</div></div><div><div>EJ</div><div>EXPANSION JOINT</div></div><div><div>FK</div><div>FLUSH KERB</div></div><div><div>GD</div><div>GRADED DRAIN</div></div><div><div>H</div><div>HYDRANT</div></div><div><div>HD</div><div>HEAVY DUTY</div></div><div><div>HER</div><div>HIGH END RISER</div></div><div><div>IL</div><div>INVERT LEVEL</div></div><div><div>IR</div><div>INTERMEDIATE RISER</div></div><div><div>KG</div><div>KERB AND GUTTER</div></div><div><div>KJ</div><div>KEY JOINT</div></div><div><div>KO</div><div>KERB ONLY</div></div><div><div>MH</div><div>MANHOLE</div></div><div><div>MK</div><div>MOUNTABLE KERB</div></div><div><div>MKG</div><div>MOUNTABLE KERB AND GUTTER</div></div><div><div>MKT</div><div>MOUNTABLE KERB TIED</div></div><div><div>MLBK</div><div>MODIFIED LAYBACK KERB</div></div><div><div>MS</div><div>MOWING STRIP</div></div><div><div>OCI</div><div>OPEN CHANNEL INVERT</div></div><div><div>PVC-U</div><div>UNPLASTICISED POLYVINYL CHLORIDE</div></div><div><div>PC</div><div>PRAM CROSSING</div></div><div><div>PR</div><div>PRAM RAMP</div></div><div><div>RL</div><div>REDUCED LEVEL</div></div><div><div>ROCI</div><div>REINFORCED OPEN CHANNEL INVERT</div></div><div><div>RVC</div><div>REINFORCED VEHICULAR CROSSING</div></div><div><div>SS</div><div>SUBSOIL DRAIN</div></div><div><div>SV</div><div>STOP VALVE</div></div><div><div>TCCS</div><div>TRANSPORT CANBERRA AND CITY SERVICES</div></div><div><div>TJ</div><div>TOOLED JOINT</div></div><div><div>VC</div><div>VEHICULAR CROSSING</div></div><div><div>WJ</div><div>WEAKENED PLANE JOINT</div></div></div>												A
B													B
C													C
D													D
E	<div><div>SAFETY IN DESIGN</div><div>CONSTRUCTION PHASE:<ul style="list-style-type: none">THE CONTRACTOR MUST COMPLY WITH THE CURRENT WORK HEALTH AND SAFETY LAWS, THE RELEVANT WHS REGULATIONS AND THE RELEVANT INDUSTRY CODES AND PRACTICES GUIDELINES.AVOID THE USE OF HEAVY MACHINERY OR HEAVY VIBRATING LOADS NEAR LARGE TRUNK GAS, WATER SUPPLY AND COMMUNICATIONS INFRASTRUCTURE WITHIN THIS SITE.ALL WORKS MUST BE UNDERTAKEN WITH APPROVED TTM PLANS AND IN ACCORDANCE WITH AS1742.3NO WORK IS TO BE UNDERTAKEN IN POOR VISIBILITY CONDITIONS (BAD WEATHER, FOG, SUN GLARE, DARKNESS ETC)PHYSICALLY IDENTIFY ALL EXISTING SERVICES ON SITE BEFORE COMMENCING ANY EXCAVATIONSKEEP CLEAR OF EXISTING OVERHEAD LINES</div><div><div>MAINTENANCE PHASE:</div><ul style="list-style-type: none">AVOID THE USE OF HEAVY MACHINERY OR HEAVY VIBRATING LOADS NEAR LARGE TRUNK GAS, WATER SUPPLY AND COMMUNICATIONS INFRASTRUCTURE WITHIN THIS SITE.ALL MAINTENANCE WORK IS TO BE UNDERTAKEN WITH APPROVED TTM PLANS AND IN ACCORDANCE WITH AS1742.3NO MAINTENANCE IS TO BE UNDERTAKEN IN POOR VISIBILITY CONDITIONS (BAD WEATHER, FOG, SUN GLARE, DARKNESS ETC)PHYSICALLY IDENTIFY ALL EXISTING SERVICES ON SITE BEFORE COMMENCING ANY EXCAVATIONSKEEP CLEAR OF EXISTING OVERHEAD LINES</div><div><div>CONSTRUCTION PHASE:</div><ul style="list-style-type: none">THE CONTRACTOR MUST COMPLY WITH THE CURRENT WORK HEALTH AND SAFETY LAWS, THE RELEVANT WHS REGULATIONS AND THE RELEVANT INDUSTRY CODES AND PRACTICES GUIDELINES.AVOID THE USE OF HEAVY MACHINERY OR HEAVY VIBRATING LOADS NEAR LARGE TRUNK GAS, WATER SUPPLY AND COMMUNICATIONS INFRASTRUCTURE WITHIN THIS SITE.ALL WORKS MUST BE UNDERTAKEN WITH APPROVED ENVIRONMENTAL PLANS/TTM PLANS AND IN ACCORDANCE WITH AS1742.3NO WORK IS TO BE UNDERTAKEN IN POOR VISIBILITY CONDITIONS (BAD WEATHER, FOG, SUN GLARE, DARKNESS ETC)PHYSICALLY IDENTIFY ALL EXISTING SERVICES ON SITE BEFORE COMMENCING ANY EXCAVATIONSKEEP CLEAR OF EXISTING OVERHEAD LINES</div></div>												E
F													F
G													G
H	<div><div><div>B A</div><div>FOR WORKS APPROVAL FOR REVIEW</div></div><div><div>05.09.17 24.08.17</div><div>DATE</div></div><div><div>DA DA</div><div>DRAWN</div></div></div>	<div><div></div></div>	<div><div>CLIENT</div><div>CHASE</div></div>	<div><div>ARCHITECT</div><div>FRONT ARCHITECTS</div></div>	<div><div></div><div><div>sellick consultants</div><div>STRUCTURAL CIVIL HYDRAULIC</div><div>canberra sydney brisbane</div><div>02 6201 0200 www.sellickconsultants.com.au</div></div></div>	<div><div>PROJECT TITLE</div><div>MIXED USE DEVELOPMENT CAMPBELL 5</div><div><div>DO NOT SCALE OFF DRAWINGS VERIFY ALL DIMENSIONS ON SITE BEFORE COMMENCING WORK. COPYRIGHT:The concepts and information contained in this document are copyright of Sellick Consultants. Use or copying of this document in whole or in part without written permission constitutes an infringement of copyright.</div></div></div>	<div><div>DESIGNED BY</div><div>AM</div><div>CHECKED BY</div><div>CO</div><div>AUTHORISED BY</div><div>DATE</div><div>05/09/2017</div></div>	<div><div>DRAWING TITLE</div><div>GENERAL NOTES</div><div><div>PROJECT LOCATION</div><div>BLOCK 1 SECTION 131 CAMPBELL, ACT</div></div></div>	<div><div>SCALE</div><div>NOT TO SCALE</div></div> <div><div>JOB NO.</div><div>140778</div></div> <div><div>DRAWING NO.</div><div>C003</div></div> <div><div>REV.</div><div>B</div></div>				
	1	2	3	4	5	6	7	8	9	10	11	12	



NOTE
REFER DRAWING C102 FOR POLLUTION CONTROL DETAILS

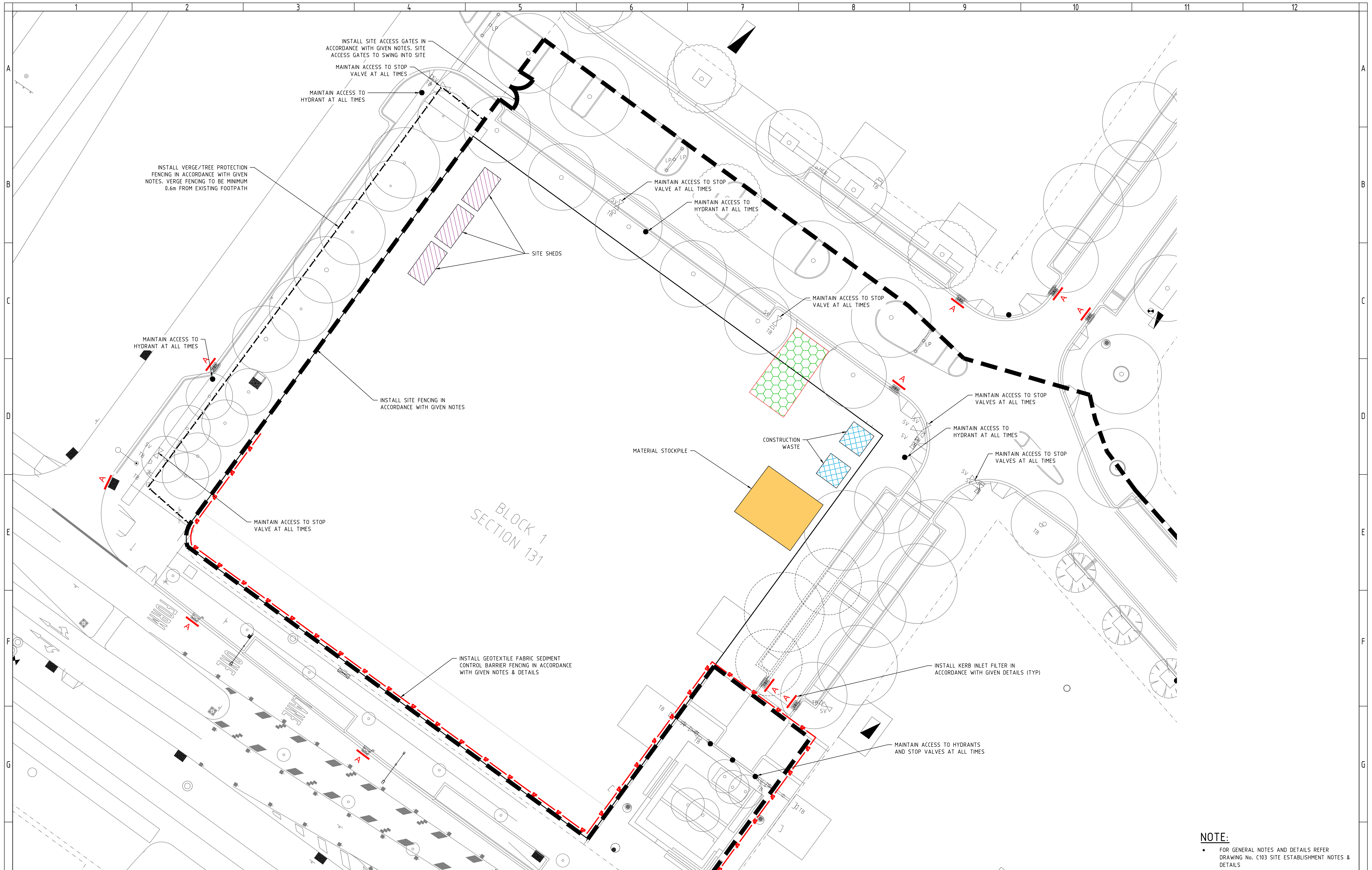
ON-SITE MANAGEMENT OF VERGES AND OPEN SPACE

- GENERAL
 - BEFORE COMMENCING WORKS, THE COORDINATOR SHALL ADVISE ASSET ACCEPTANCE (AA) IN WRITING THAT THE PROTECTIVE MEASURES HAVE BEEN INSTALLED IN ACCORDANCE WITH THE APPROVED LANDSCAPE MANAGEMENT PROTECTION PLAN (LMPP). RANDOM AUDITS WILL BE UNDERTAKEN BY AA TO ENSURE COMPLIANCE. FAILURE TO COMPLY MAY INCUR THE ISSUE OF A STOP WORK NOTICE.
 - ALL WORKS SHALL BE CONTAINED WITHIN THE AUTHORISED SITE EXCEPT FOR APPROVED SERVICE CONNECTIONS IN THE VERGE OR OTHER APPROVED EXCEPTIONS.
 - DURING THE PROGRESS OF THE WORKS ALL EXISTING VERGE GRASS COVER SHALL BE MAINTAINED IN ITS PRE-EXISTING CONDITION. PROTECTIVE MEASURES SHALL INCLUDE REGULAR WATERING TO MAINTAIN GRASS AND TREES IN GOOD CONDITION.
 - WHERE THE SURFACE IS GRASS OR BARE SOIL WITHOUT TREES, NO PROTECTION IS REQUIRED WHERE TOPSOIL AND GRASS, OR OTHER APPROVED SURFACE, ARE INSTALLED AT THE COMPLETION OF THE WORKS IN ACCORDANCE WITH THE "STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS".
 - SUPERVISION
 - FOR ALL WORKS, OTHER THAN MINOR WORKS (I.E. MINOR IN COMPLEXITY AND/OR SCOPE OF WORKS AND CONFIRMED AS MINOR WORKS BY AA), AND UNLESS OTHERWISE APPROVED BY AA, A SUITABLY QUALIFIED LANDSCAPE ARCHITECT OR HORTICULTURIST SHALL BE EMPLOYED TO ENSURE THAT THE WORK IN THE VERGE MEETS THE REQUIREMENTS. THE ARCHITECT/HORTICULTURIST SHALL ALSO BE PRESENT DURING ANY CULTIVATION OR RESTORATION OF THE VERGE WHICH AFFECTS PLANT MATERIAL AND SHALL PROVIDE CERTIFICATION, ENDORSED BY THE COORDINATOR, THAT ALL WORK, CULTIVATION AND RESTORATION HAVE BEEN PERFORMED TO INDUSTRY STANDARDS.
 - STORAGE OF CONSTRUCTION MATERIALS
 - THE STORAGE OF CONSTRUCTION MATERIALS AND THE PARKING OF VEHICLES OR EQUIPMENT ON VERGES OR ADJACENT PUBLIC OPEN SPACES ARE NOT PERMITTED WITHOUT PRIOR APPROVAL FROM T&MS. WHERE THERE IS NO ALTERNATIVE AVAILABLE OTHER THAN TO USE THESE AREAS FOR STORAGE AND/OR PARKING, THE COORDINATOR MAY LODGE AN APPLICATION WITH THE LMPP REQUESTING APPROVAL FOR THE USE OF THESE AREAS FOR THE DESIGNATED PURPOSES. APPROVAL MAY BE GIVEN BY T&MS SUBJECT TO CERTAIN TERMS AND CONDITIONS OF USE.
 - SITE ACCOMMODATION
 - GENERALLY, SITE SHEDS, STORAGE SHEDS, SITE AMENITIES OR BILLBOARDS ARE NOT TO BE ERECTED ON VERGES OR PUBLIC OPEN SPACES WITHOUT PRIOR APPROVAL. SHOULD THERE BE NO ALTERNATIVE, THE COORDINATOR MAY LODGE AN APPLICATION WITH THE LMPP REQUESTING APPROVAL TO ERECT SUCH A STRUCTURE ON THE AREA. THE ERECTION OF SITE ACCOMMODATION MAY BE APPROVED SUBJECT TO THE COORDINATOR'S AGREEMENT TO COMPLY WITH THE TERMS AND CONDITIONS SPECIFIED BY AA AND OBTAINING A PERMIT UNDER THE ROADS AND PUBLIC PLACES ACT 1937 FROM T&MS PCL.
 - PROTECTIVE FENCING
 - EXTENT
 - ALL TEMPORARY PROTECTIVE FENCES ERECTED TO PROTECT EXISTING ASSETS SHALL BE IN ACCORDANCE WITH THE APPROVED LMPP DRAWING. FENCING SHALL BE ERECTED BEFORE THE COMMENCEMENT OF ANY SITE WORKS AND REMOVED AT THE COMPLETION OF ALL CONSTRUCTION ACTIVITY EXCEPT DURING VERGE RESTORATION. THE FENCE SHALL REMAIN IN PLACE THROUGHOUT THE CONSTRUCTION PERIOD.
 - EXISTING TREES, PLANTINGS AND GRASS SHALL BE FENCED OFF TO ENCLOSE THE STREET VERGE, PUBLIC OPEN SPACE OR UNLEASED TERRITORY LAND AREA. UNLESS OTHERWISE APPROVED BY AA, PROTECTIVE FENCING SHALL BE LOCATED:
 - ALONG THE DRIP-LINE OF EACH TREE (AS A MINIMUM), AND
 - 1.2M FROM THE BACK OF THE KERB FOR THE FULL FRONTAGE OF THE LEASE, ALONG THE PROPERTY BOUNDARY AND ALONG THE APPROVED DRIVEWAY ACCESS TO ENSURE THAT THE VERGE IS COMPLETELY ENCLOSED.
 - MATERIALS
 - USE OF TEMPORARY 1800MM TALL CONTINUOUS MESH FENCE SUPPORTED BY STEEL POSTS WITH CONCRETE BASES, OR PREFABRICATED FENCING PANELS WITH CONCRETE BASES, IS MANDATORY. ANY VARIATION FROM THIS REQUIREMENT SHALL BE ACCOMPANIED BY WRITTEN APPROVAL FROM AA.
 - PEDESTRIAN AND TRAFFIC CONSIDERATIONS
 - EXISTING VERGE FOOTPATHS SHALL BE MAINTAINED. ALL EXISTING VERGE FOOTPATHS AND DRIVEWAYS SHALL REMAIN UNOBSTRUCTED THROUGHOUT THE CONSTRUCTION PERIOD TO PROVIDE SAFE PEDESTRIAN MOVEMENT AT ALL TIMES UNLESS AN ALTERNATIVE IS APPROVED BY T&MS.
 - WHERE A CONSTRUCTED FOOTPATH OR CYCLEWAY EXISTS WITHIN THE VERGE, PROTECTIVE FENCING INCLUDING THE CONCRETE PEDESTALS SHALL BE ERECTED TO PROVIDE A CLEAR AND UNOBSTRUCTED SET BACK OF 0.6M FROM EACH SIDE OF THE FOOTPATH/CYCLEWAY IN ALL CASES TO ENSURE SAFE PASSAGE FOR CYCLISTS AND PEDESTRIANS.
 - IF THERE IS NO CONSTRUCTED PUBLIC FOOTPATH ON THE VERGE A FENCED CLEARWAY OF 1.8M IN WIDTH SHALL BE MAINTAINED FOR THE ENTIRE FRONTAGE OF THE LEASE TO ALLOW FOR CYCLISTS AND PEDESTRIANS.
 - ANY DEVIATIONS FROM THE DISTANCES SPECIFIED IN THIS CLAUSE DEEMED NECESSARY BECAUSE OF LOCAL RESTRAINTS REQUIRE PRIOR APPROVAL FROM AA.
 - ACCESS GATES INTO THE SITE SHALL SWING INTO THE SITE AND NOT BE CAPABLE OF BLOCKING PEDESTRIAN ACCESS ALONG THE VERGE OR VEHICULAR TRAFFIC ON THE ROAD.
- ACCESS FOR SERVICE INSTALLATIONS
 - FENCING SHALL NOT BE REMOVED FOR SERVICE INSTALLATION ACROSS THE VERGE WITHOUT PRIOR APPROVAL FROM AA FOR THE SERVICE INSTALLATION.
 - WHERE APPROVAL HAS BEEN GRANTED, THE FENCE SHALL BE RE-ERECTED TO PROVIDE A LANE FOR SERVICE TRENCHING BUT FENCES SHALL BE RE-ERECT TO ENCLOSE TREES BEFORE TRENCHING COMMENCES. UPON COMPLETION OF TRENCHING, THE FENCE SHALL BE RETURNED TO ITS ORIGINAL ALIGNMENT.
 - EXISTING TREES
 - GENERAL
 - ALL TREES LOCATED IN THE ROAD RESERVE, VERGE, PUBLIC OPEN SPACE AND ON UNLEASED TERRITORY LAND, SHALL BE RETAINED AND MUST REMAIN UNDAMAGED. THE LMPP PROCESS REQUIRES THE COORDINATOR TO IDENTIFY ANY TREES THAT MAY BE AFFECTED BY THE WORKS AND TO SUBMIT A REQUEST FOR APPROVAL TO PROCEED WITH THE WORK CLEARLY IDENTIFYING THE NATURE OF THE WORK AFFECTING THE TREE AND PROTECTIVE MEASURES PROPOSED TO MINIMISE DAMAGE TO THE TREE. WRITTEN AUTHORISATION FROM AA IS REQUIRED PRIOR TO ANY WORK AFFECTING THE TREE TAKING PLACE. AUTHORISATION WILL BE SUBJECT TO:
 - EXISTING CANOPY CLEARANCE NOT BEING ALTERED;
 - CROWNS AND APEX OF CANOPIES NOT BEING ALTERED OR REDUCED;
 - LIFTING EQUIPMENT AND LOAD CAPABLE OF OPERATING IN A MANNER THAT IT CLEARS THE HEIGHT AND WIDTH OF THE TREE CANOPY WITHOUT DAMAGING THE CROWN, AND
 - CONSTRUCTION EQUIPMENT CAN PASS BENEATH THE TREES' LOWEST LIMB THROUGH THE DESIGNATED DRIVEWAY ACCESS.
 - TREE ROOT PROTECTION
 - THE MAJORITY OF TREE ROOTS GROW IN THE TOP 300MM OF SOIL. THESE ARE THE FEEDER ROOTS, OFTEN VERY FINE ROOTS THAT PROVIDE THE TREE WITH WATER, OXYGEN AND NUTRIENTS. THESE ROOTS TYPICALLY GROW FROM THE TRUNK OF THE TREE TO WELL BEYOND ITS 'DRIP-LINE' (THE CANOPY EDGE).
 - LOCATE THESE ROOTS BY EXCAVATING TO A DEPTH OF 300MM BEFORE ANY MECHANICAL TRENCHING IS UNDERTAKEN.
 - CUT ALL ROOTS CLEANLY WITH EQUIPMENT SPECIFICALLY DESIGNED FOR THIS PURPOSE OR BY SUITABLE PRUNING EQUIPMENT.
 - PROTECT ROOTS EXPOSED FROM DESICCATION BY LIGHTLY WATERED OR COVERING WITH HESSIAN, WHICH MUST BE KEPT MOIST, AND
 - MAINTAIN THE GOOD HEALTH OF THE TREES THAT HAVE HAD DISTURBANCE IN THEIR ROOT ZONE BY CONTINUAL WATERING, AT NO TIME SHALL THE DISTURBED AREA BE ALLOWED TO DRY OUT TO THE DETRIMENT OF THE TREES HEALTH.
 - SITE ACCESS
 - SITE ACCESS SHALL BE BY THE EXISTING DRIVEWAY ACCESS POINTS FOR THE WORKS.
 - IN SOME CASES CONSIDERATION MAY BE GIVEN TO ALLOWING NEW ACCESS POINTS ACROSS PUBLIC LAND, HOWEVER, ALTERNATIVE OR ADDITIONAL ACCESS POINTS REQUIRE APPROVAL FROM AA. WHERE APPROVAL HAS BEEN GRANTED, THE SITE ACCESS SHALL BE POSITIONED MIDWAY BETWEEN TWO EXISTING TREE TRUNKS DEPENDENT ON THE DISTANCE BETWEEN TREES. ACCESS SHALL NOT OCCUR ON TWO SIDES OF A TREE WITHIN THE APPROVED CLEARANCE DIMENSION.
 - CONSTRUCTION TECHNIQUE SHALL MINIMISE THE NEED FOR EXCAVATION ACROSS THE VERGE.
 - ACCESS ACROSS ADJOINING PUBLIC OPEN SPACES, PARKS, RECREATIONAL RESERVES, ADJOINING PROPERTIES E.G. SCHOOL PLAYGROUNDS, COMMUNITY HALLS ETC. IS PROHIBITED WITHOUT PRIOR WRITTEN AUTHORISATION FROM T&MS, AND ANY OTHER ASSET OWNER WHERE APPLICABLE.
 - SERVICES AND UTILITIES
 - SERVICE CONNECTION TO SITE
 - THE COORDINATOR SHALL COORDINATE AND COLLATE ALL APPROVALS FOR PROPOSED SERVICES WITHIN THE AREA.
 - APPROVAL FOR TRENCH LOCATIONS AND EXCAVATIONS WITHIN THE VERGE SHALL BE OBTAINED THROUGH THE RELEVANT T&MS AGENCIES AT THE PLANNING AND DESIGN STAGES. APPROVAL IS SUBJECT TO THE FOLLOWING REQUIREMENTS:
 - IF THE PROPOSED EXCAVATION IS WITHIN THE CANOPY SPREAD OF ANY TREE, BORING OR TUNNELING BELOW THE ROOT ZONE MUST BE UNDERTAKEN;
 - SHARED TRENCHING FOR SERVICES IS MANDATORY;
 - THE NUMBER OF VERGE CROSSINGS SHALL BE MINIMISED;
 - EXCAVATION FOR SERVICES ACROSS VERGE (I.E. AT RIGHT ANGLES TO KERB OR PROPERTY LINE) SHALL BE MIDWAY BETWEEN THE TREE TRUNKS, AND
 - ANY SERVICE INSTALLATION WITHIN 5.0M OF AN EXISTING TREE TRUNK, OR WITHIN THE TREE CANOPY, REQUIRES PRIOR APPROVAL.
 - SERVICES AND UTILITIES ALONG ROAD RESERVES
 - THE COORDINATOR SHALL COORDINATE ALL SERVICE APPROVALS. APPROVAL BY AA FOR TRENCH LOCATIONS SHALL BE OBTAINED AS PART OF THE LMPP PROCESS.
 - TO MINIMISE DAMAGE AND/OR DISTURBANCES TO THE ROOTS OR ROOT ZONE AND SUBJECT TO APPROVAL BY AA, ANY NEW OR UPGRADED SERVICES PARALLEL TO THE KERB OR PROPERTY LINE SHALL BE INSTALLED ON THE FOLLOWING ALIGNMENTS:
 - WITHIN ROAD PAVED AREA;
 - BELOW THE ROOT ZONE IF THE EXCAVATION REQUIRED IS WITHIN THE CANOPY SPREAD OF ANY TREE;
 - BELOW THE EXISTING FOOTPATH ON THE PROPERTY LINE, AND
 - IMMEDIATELY BEHIND THE KERB.
 - IRRIGATION
 - PARKS CONSERVATION AND LANDS (PCL) ACTIVELY DISCOURAGES THE USE OF IN-GROUND IRRIGATION SYSTEMS AND GENERALLY DOES NOT ENDORSE THEIR INSTALLATION IN THE VERGE. HOWEVER, A SYSTEM OF QUICK-COUPERS AT THE LEASE EDGE OF THE VERGE MAY BE INSTALLED SUBJECT TO APPROVAL OF THE IRRIGATION PLAN BY PCL. A PREFERRED ALTERNATIVE IS THE PLANTING OF DROUGHT TOLERANT GRASSES AND SHRUBS THAT ARE NOT RELIANT ON WATERING TO SURVIVE.
 - VERGE INFRASTRUCTURE CONDITION AND RESTORATION
 - THE COORDINATOR SHALL NOTIFY AA AT THE COMPLETION OF WORK AND OBTAIN APPROVAL PRIOR TO COMMENCEMENT OF ANY VERGE RESTORATION. DURING VERGE RESTORATION, TOPSOIL SHALL NOT BE REMOVED AND THE SOIL LEVEL SHALL NOT BE CHANGED WITHIN THE DRIP ZONE OF TREES AS OTHERWISE APPROVED AND, UPON COMPLETION OF THE WORKS, VERGES SHALL HAVE ESTABLISHED APPROPRIATE GRASS COVER AS APPROVED BY PCL, E.G. DRYLAND GRASS, NATIVE GRASS OR COUCH.
 - IF THE STANDARD OF GRASS COVER ON THE VERGE NEEDS TO BE IMPROVED, THE FOLLOWING REQUIREMENTS SHALL APPLY:
 - WITHIN THE ROOT ZONE OF TREES, LIGHTLY CULTIVATE THE SOIL IN ONE DIRECTION ONLY TO BETWEEN 25MM TO 50MM DEPTH (50MM MAXIMUM TO MINIMISE DAMAGE TO TREE ROOTS), AVOID MAJOR ROOTS AND KEEP A MINIMUM OF 1M AWAY FROM TREE TRUNKS;
 - OUTSIDE THE ROOT ZONE OF TREES NORMAL CULTIVATION PRACTICE APPLIES;
 - ADD 'B' TYPE TOPSOIL AT 25MM TO 50MM DEPTH, LEVEL THE TOPSOIL AND ADD NPK FERTILISER (EQUIVALENT TO MULTIGRO) AT 40G/M², AND
 - LAY TURF OR SOW SEED OF SUITABLE DROUGHT TOLERANT SPECIES AS SPECIFIED IN THE STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS. KEEP MOIST DURING ESTABLISHMENT.

ALL RESTORATION WORK SHALL BE APPROVED BY AA AND CARRIED OUT BY APPROVED OPERATORS.

NOTE: A SUITABLY QUALIFIED PERSON IS TO CONFIRM TREE SPECIES AND EXISTING CONDITION.

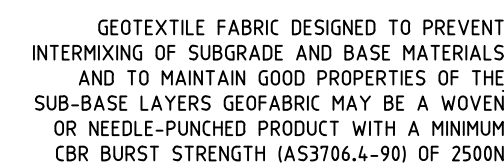
H									CLIENT CHASE		ARCHITECT FRONT ARCHITECTS		 sellick consultants STRUCTURAL CIVIL HYDRAULIC canberra sydney brisbane 02 6201 0200 www.sellickconsultants.com.au		PROJECT TITLE MIXED USE DEVELOPMENT CAMPBELL 5 DO NOT SCALE OFF DRAWINGS VERIFY ALL DIMENSIONS ON SITE BEFORE COMMENCING WORK. COPYRIGHT: The concepts and information contained in this document are copyright of Sellick Consultants. Use or copying of this document in whole or in part without written permission constitutes an infringement of copyright.		DESIGNED BY AM CHECKED BY CO AUTHORISED BY DATE 05/09/2017		DRAWING TITLE LANDSCAPE MANAGEMENT AND PROTECTION PLAN PROJECT LOCATION BLOCK 1 SECTION 131 CAMPBELL, ACT		SCALE  JOB NO. 140778 DRAWING NO. C101 REV. B		H		
	B	FOR WORKS APPROVAL FOR REVIEW		05.09.17 24.08.17		DA DA																			
	A	ISSUE DESCRIPTION		DATE		DRAWN																			
		1		2		3		4		5		6		7		8		9		10		11		12	



NOTE:

- FOR GENERAL NOTES AND DETAILS REFER DRAWING No. C103 SITE ESTABLISHMENT NOTES & DETAILS

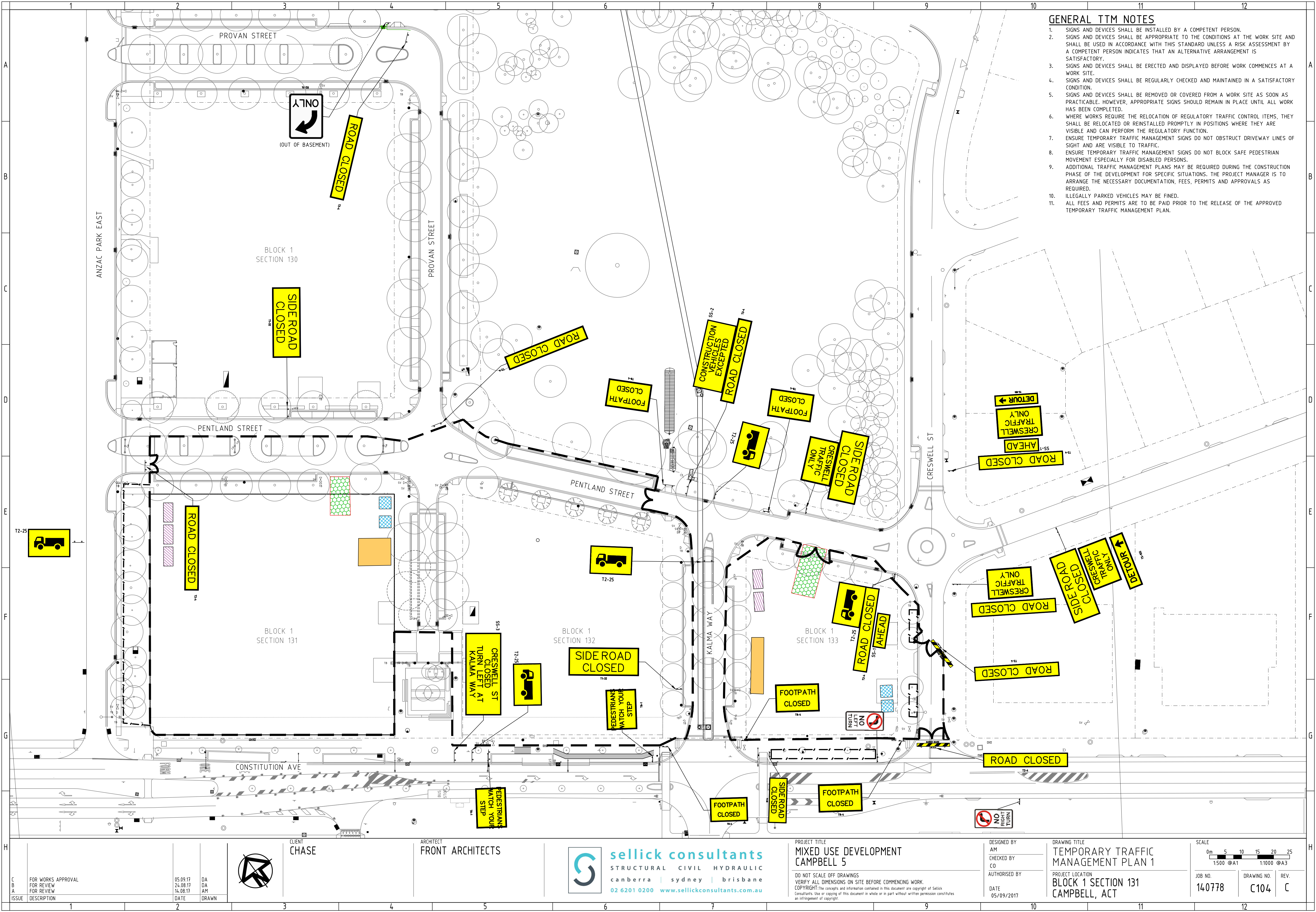
CLIENT CHASE		ARCHITECT FRONT ARCHITECTS		 sellick consultants STRUCTURAL CIVIL HYDRAULIC canberra sydney brisbane 02 6201 0200 www.sellickconsultants.com.au		PROJECT TITLE MIXED USE DEVELOPMENT CAMPBELL 5 <small>DO NOT SCALE OFF DRAWINGS VERIFY ALL DIMENSIONS ON SITE BEFORE COMMENCING WORK. COPYRIGHT-The concepts and information contained in this document are copyright of Sellick Consultants. Use or copying of this document in whole or in part without written permission constitutes an infringement of copyright.</small>		DESIGNED BY AM CHECKED BY CO AUTHORISED BY DATE 05/09/2017		DRAWING TITLE POLLUTION CONTROL PLAN PROJECT LOCATION BLOCK 1 SECTION 131 CAMPBELL, ACT		SCALE 0m 2.5 5 7.5 10 12.5 1:250 @A1 1:500 @A3 JOB NO. 140778 DRAWING NO. C102 REV. B	
FOR WORKS APPROVAL FOR REVIEW DESCRIPTION		DATE 05.09.17 24.08.17 DA DA DRAWN											



NOT TO SCALE



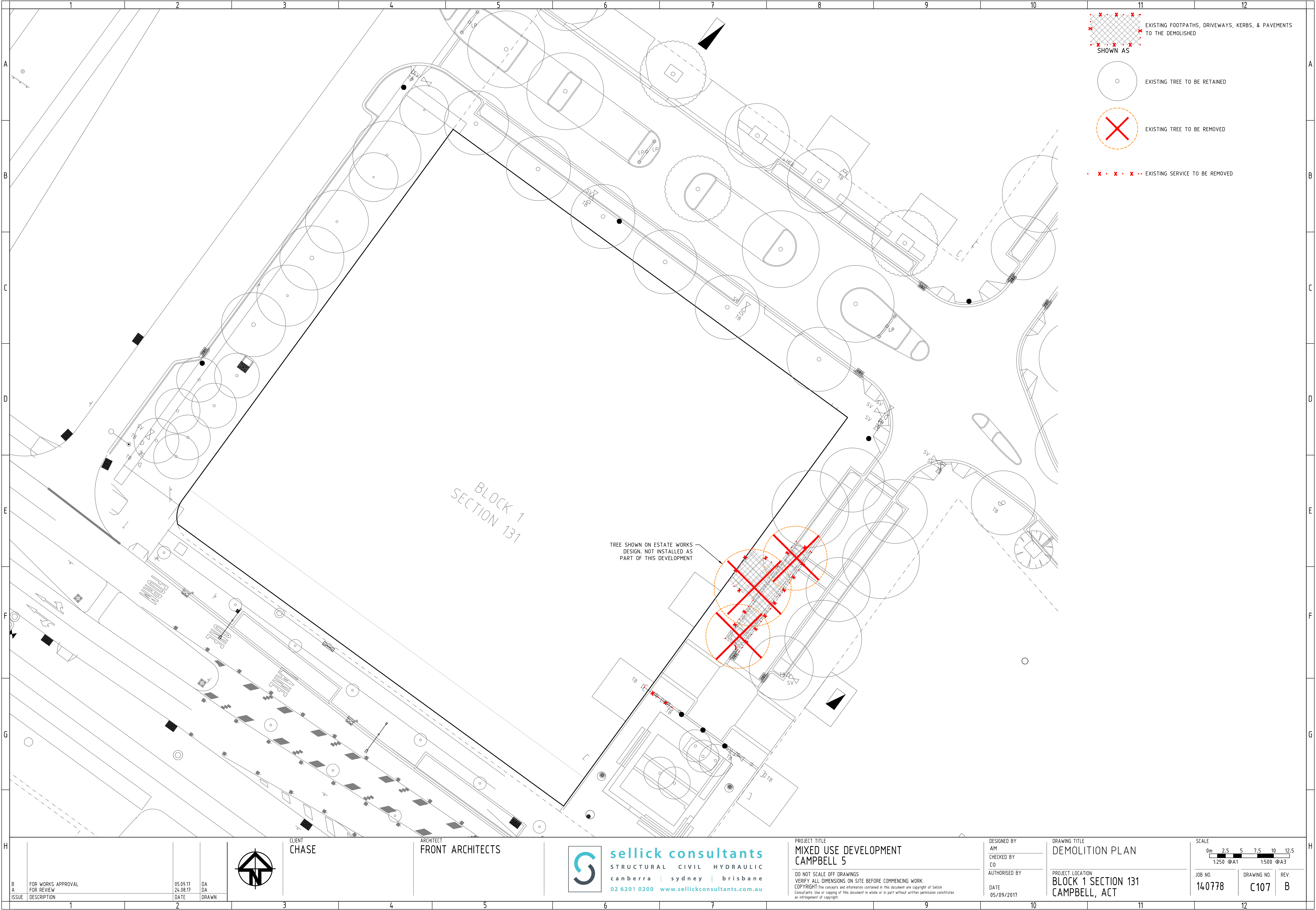
REV.

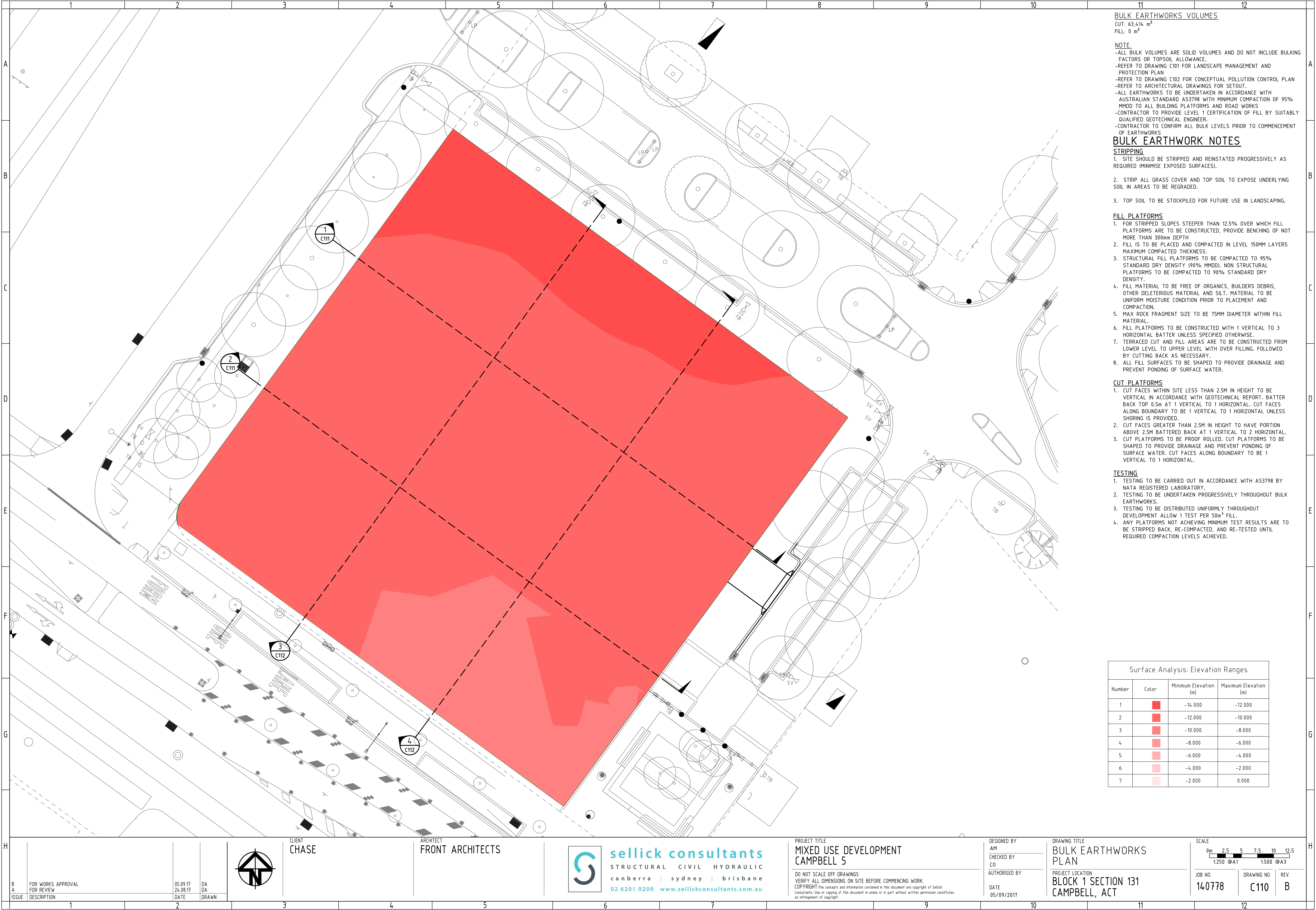


GENERAL TTM NOTES

1. SIGNS AND DEVICES SHALL BE INSTALLED BY A COMPETENT PERSON.
2. SIGNS AND DEVICES SHALL BE APPROPRIATE TO THE CONDITIONS AT THE WORK SITE AND SHALL BE USED IN ACCORDANCE WITH THIS STANDARD UNLESS A RISK ASSESSMENT BY A COMPETENT PERSON INDICATES THAT AN ALTERNATIVE ARRANGEMENT IS SATISFACTORY.
3. SIGNS AND DEVICES SHALL BE ERECTED AND DISPLAYED BEFORE WORK COMMENCES AT A WORK SITE.
4. SIGNS AND DEVICES SHALL BE REGULARLY CHECKED AND MAINTAINED IN A SATISFACTORY CONDITION.
5. SIGNS AND DEVICES SHALL BE REMOVED OR COVERED FROM A WORK SITE AS SOON AS PRACTICABLE. HOWEVER, APPROPRIATE SIGNS SHOULD REMAIN IN PLACE UNTIL ALL WORK HAS BEEN COMPLETED.
6. WHERE WORKS REQUIRE THE RELOCATION OF REGULATORY TRAFFIC CONTROL ITEMS, THEY SHALL BE RELOCATED OR REINSTALLED PROMPTLY IN POSITIONS WHERE THEY ARE VISIBLE AND CAN PERFORM THE REGULATORY FUNCTION.
7. ENSURE TEMPORARY TRAFFIC MANAGEMENT SIGNS DO NOT OBSTRUCT DRIVEWAY LINES OF SIGHT AND ARE VISIBLE TO TRAFFIC.
8. ENSURE TEMPORARY TRAFFIC MANAGEMENT SIGNS DO NOT BLOCK SAFE PEDESTRIAN MOVEMENT ESPECIALLY FOR DISABLED PERSONS.
9. ADDITIONAL TRAFFIC MANAGEMENT PLANS MAY BE REQUIRED DURING THE CONSTRUCTION PHASE OF THE DEVELOPMENT FOR SPECIFIC SITUATIONS. THE PROJECT MANAGER IS TO ARRANGE THE NECESSARY DOCUMENTATION, FEES, PERMITS AND APPROVALS AS REQUIRED.
10. ILLEGALLY PARKED VEHICLES MAY BE FINED.
11. ALL FEES AND PERMITS ARE TO BE PAID PRIOR TO THE RELEASE OF THE APPROVED TEMPORARY TRAFFIC MANAGEMENT PLAN.

<div>FOR WORKS APPROVAL FOR REVIEW FOR REVIEW DESCRIPTION</div>		<div>05.09.17 24.08.17 14.08.17 DATE</div>	<div>DA DA AM DRAWN</div>	<div>CLIENT CHASE</div>	<div>ARCHITECT FRONT ARCHITECTS</div>	<div> sellick consultants STRUCTURAL CIVIL HYDRAULIC canberra sydney brisbane 02 6201 0200 www.sellickconsultants.com.au</div>	<div>PROJECT TITLE MIXED USE DEVELOPMENT CAMPBELL 5 DO NOT SCALE OFF DRAWINGS VERIFY ALL DIMENSIONS ON SITE BEFORE COMMENCING WORK. COPYRIGHT: The concepts and information contained in this document are copyright of Sellick Consultants. Use or copying of this document in whole or in part without written permission constitutes an infringement of copyright.</div>	<div>DESIGNED BY AM CHECKED BY CO AUTHORISED BY DATE 05/09/2017</div>	<div>DRAWING TITLE TEMPORARY TRAFFIC MANAGEMENT PLAN 1 PROJECT LOCATION BLOCK 1 SECTION 131 CAMPBELL, ACT</div>	<div>SCALE 0m 5 10 15 20 25 1:500 @A1 1:1000 @A3 JOB NO. 140778 DRAWING NO. C104 REV. C</div>
---	--	--	---------------------------------------	-----------------------------	---	--	--	--	--	--





BULK EARTHWORKS VOLUMES

CUT: 63,414 m³
FILL: 0 m³

NOTE:

- ALL BULK VOLUMES ARE SOLID VOLUMES AND DO NOT INCLUDE BULKING FACTORS OR TOPSOIL ALLOWANCE.
- REFER TO DRAWING C101 FOR LANDSCAPE MANAGEMENT AND PROTECTION PLAN
- REFER TO DRAWING C102 FOR CONCEPTUAL POLLUTION CONTROL PLAN
- REFER TO ARCHITECTURAL DRAWINGS FOR SETOUT.
- ALL EARTHWORKS TO BE UNDERTAKEN IN ACCORDANCE WITH AUSTRALIAN STANDARD AS3798 WITH MINIMUM COMPACTION OF 95% MDD TO ALL BUILDING PLATFORMS AND ROAD WORKS
- CONTRACTOR TO PROVIDE LEVEL 1 CERTIFICATION OF FILL BY SUITABLY QUALIFIED GEOTECHNICAL ENGINEER.
- CONTRACTOR TO CONFIRM ALL BULK LEVELS PRIOR TO COMMENCEMENT OF EARTHWORKS

BULK EARTHWORK NOTES

STRIPPING

1. SITE SHOULD BE STRIPPED AND REINSTATED PROGRESSIVELY AS REQUIRED (MINIMISE EXPOSED SURFACES).
2. STRIP ALL GRASS COVER AND TOP SOIL TO EXPOSE UNDERLYING SOIL IN AREAS TO BE REGRADED.
3. TOP SOIL TO BE STOCKPILED FOR FUTURE USE IN LANDSCAPING.

FILL PLATFORMS

1. FOR STRIPPED SLOPES STEEPER THAN 12.5% OVER WHICH FILL PLATFORMS ARE TO BE CONSTRUCTED, PROVIDE BENCHING OF NOT MORE THAN 300mm DEPTH
2. FILL IS TO BE PLACED AND COMPACTED IN LEVEL 150MM LAYERS MAXIMUM COMPACTED THICKNESS.
3. STRUCTURAL FILL PLATFORMS TO BE COMPACTED TO 95% STANDARD DRY DENSITY (90% MDD). NON STRUCTURAL PLATFORMS TO BE COMPACTED TO 90% STANDARD DRY DENSITY.
4. FILL MATERIAL TO BE FREE OF ORGANICS, BUILDERS DEBRIS, OTHER DELETERIOUS MATERIAL AND SILT. MATERIAL TO BE UNIFORM MOISTURE CONDITION PRIOR TO PLACEMENT AND COMPACTION.
5. MAX ROCK FRAGMENT SIZE TO BE 75MM DIAMETER WITHIN FILL MATERIAL.
6. FILL PLATFORMS TO BE CONSTRUCTED WITH 1 VERTICAL TO 3 HORIZONTAL BATTER UNLESS SPECIFIED OTHERWISE.
7. TERRACED CUT AND FILL AREAS ARE TO BE CONSTRUCTED FROM LOWER LEVEL TO UPPER LEVEL WITH OVER FILLING. FOLLOWED BY CUTTING BACK AS NECESSARY.
8. ALL FILL SURFACES TO BE SHAPED TO PROVIDE DRAINAGE AND PREVENT PONDING OF SURFACE WATER.

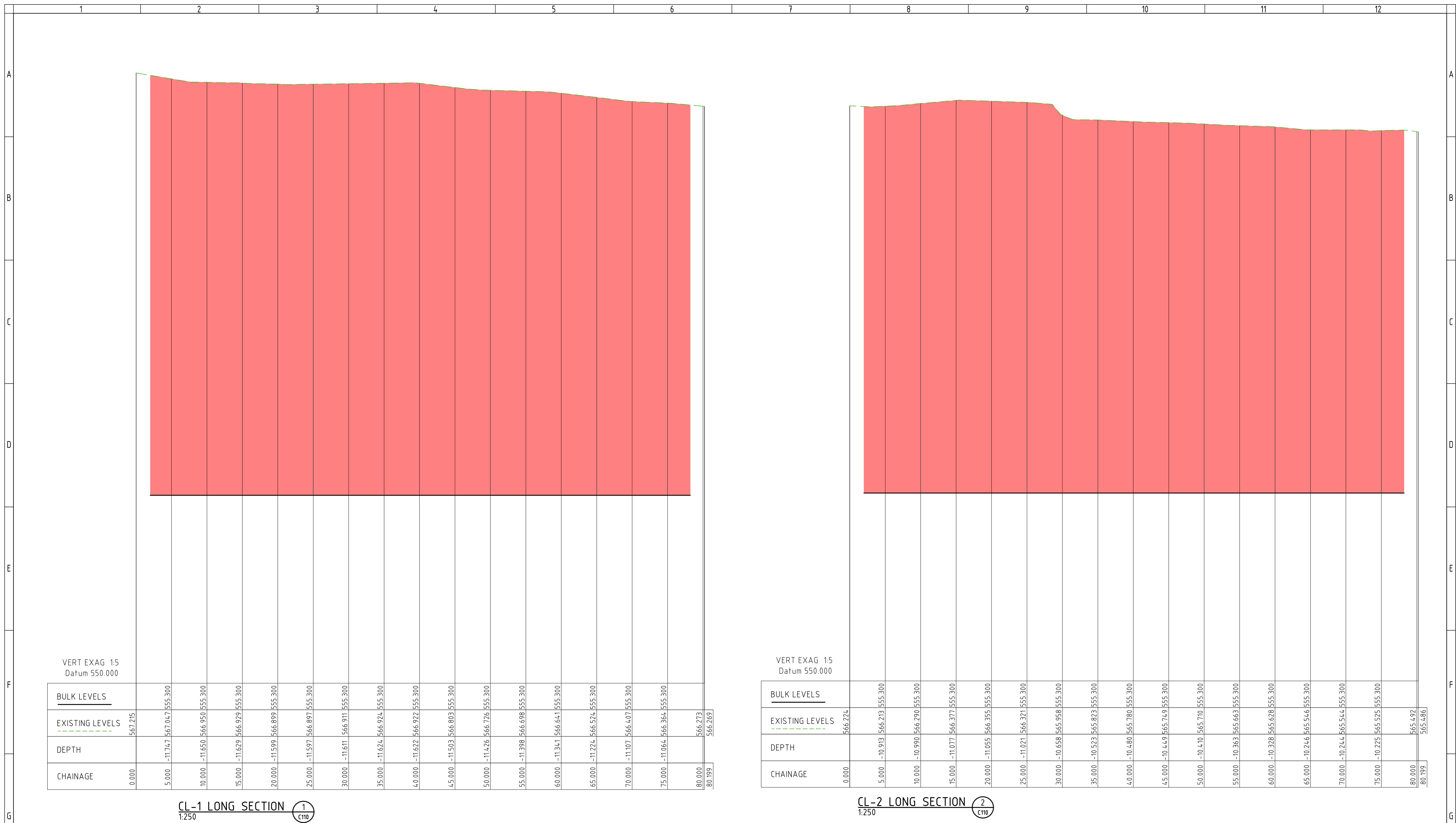
CUT PLATFORMS

1. CUT FACES WITHIN SITE LESS THAN 2.5M IN HEIGHT TO BE VERTICAL IN ACCORDANCE WITH GEOTECHNICAL REPORT. BATTER BACK TOP 0.5m AT 1 VERTICAL TO 1 HORIZONTAL. CUT FACES ALONG BOUNDARY TO BE 1 VERTICAL TO 1 HORIZONTAL UNLESS SHORING IS PROVIDED.
2. CUT FACES GREATER THAN 2.5M IN HEIGHT TO HAVE PORTION ABOVE 2.5M BATTERED BACK AT 1 VERTICAL TO 2 HORIZONTAL.
3. CUT PLATFORMS TO BE PROOF ROLLED. CUT PLATFORMS TO BE SHAPED TO PROVIDE DRAINAGE AND PREVENT PONDING OF SURFACE WATER. CUT FACES ALONG BOUNDARY TO BE 1 VERTICAL TO 1 HORIZONTAL.

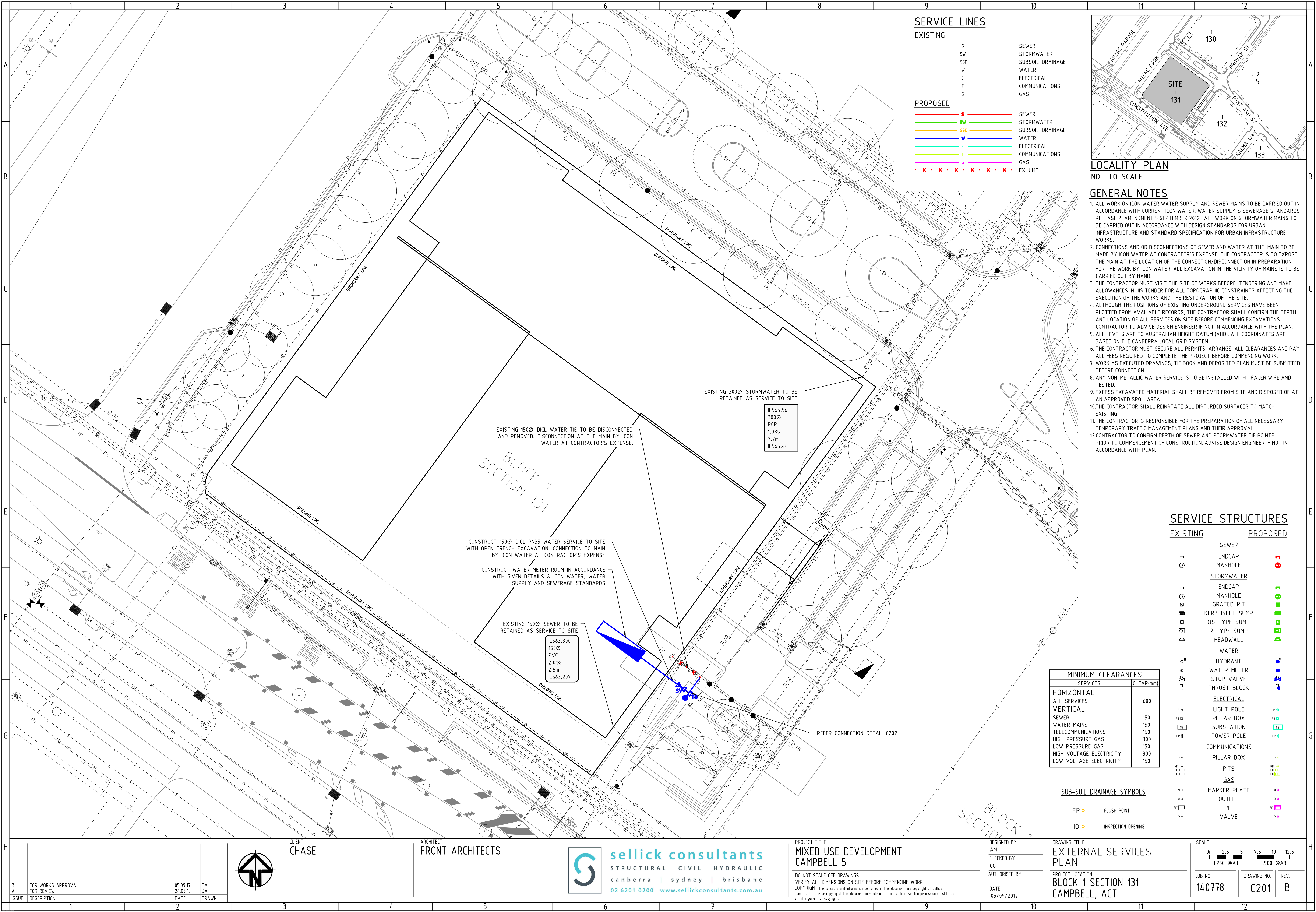
TESTING

1. TESTING TO BE CARRIED OUT IN ACCORDANCE WITH AS3798 BY NATA REGISTERED LABORATORY.
2. TESTING TO BE UNDERTAKEN PROGRESSIVELY THROUGHOUT BULK EARTHWORKS.
3. TESTING TO BE DISTRIBUTED UNIFORMLY THROUGHOUT DEVELOPMENT ALLOW 1 TEST PER 50m² FILL.
4. ANY PLATFORMS NOT ACHIEVING MINIMUM TEST RESULTS ARE TO BE STRIPPED BACK, RE-COMPACTED, AND RE-TESTED UNTIL REQUIRED COMPACTION LEVELS ACHIEVED.

Surface Analysis: Elevation Ranges			
Number	Color	Minimum Elevation (m)	Maximum Elevation (m)
1	Red	-14.000	-12.000
2	Red	-12.000	-10.000
3	Red	-10.000	-8.000
4	Red	-8.000	-6.000
5	Red	-6.000	-4.000
6	Red	-4.000	-2.000
7	Red	-2.000	0.000



H	<div style="display: flex; align-items: center; justify-content: center;"> <div style="border: 1px solid black; padding: 5px; margin-right: 5px;">B A</div> <div>FOR WORKS APPROVAL FOR REVIEW</div> </div>	<div style="display: flex; align-items: center; justify-content: center;"> <div style="border: 1px solid black; padding: 5px; margin-right: 5px;">05.09.17 24.08.17</div> <div>DATE</div> </div>	<div style="display: flex; align-items: center; justify-content: center;"> <div style="border: 1px solid black; padding: 5px; margin-right: 5px;">DA DA</div> <div>DRAWN</div> </div>		CLIENT CHASE	ARCHITECT FRONT ARCHITECTS	<div style="display: flex; flex-direction: column; align-items: center;"> <div style="font-weight: bold; font-size: 1.2em;">sellick consultants</div> <div style="font-size: 0.8em; letter-spacing: 0.1em;">STRUCTURAL CIVIL HYDRAULIC</div> <div style="font-size: 0.8em; letter-spacing: 0.1em;">canberra sydney brisbane</div> <div style="font-size: 0.8em;">02 6201 0200 www.sellickconsultants.com.au</div> </div>	PROJECT TITLE MIXED USE DEVELOPMENT CAMPBELL 5	DESIGNED BY AM CHECKED BY CO AUTHORISED BY	DRAWING TITLE BULK EARTHWORKS SECTIONS 1	SCALE 0m 2.5 5 7.5 10 12.5 1:250 @A1 1:500 @A3	<div style="display: flex; justify-content: space-between;"> <div>JOB NO. 140778</div> <div>DRAWING NO. C111</div> <div>REV. B</div> </div>	H	
					DO NOT SCALE OFF DRAWINGS VERIFY ALL DIMENSIONS ON SITE BEFORE COMMENCING WORK. COPYRIGHT: The concept and information contained in this document are copyright of Sellick Consultants. Use or copying of this document in whole or in part without written permission constitutes an infringement of copyright.	DATE 05/09/2017		PROJECT LOCATION BLOCK 1 SECTION 131 CAMPBELL, ACT						
	ISSUE	DESCRIPTION	1	2	3	4	5	6	7	8	9	10	11	12



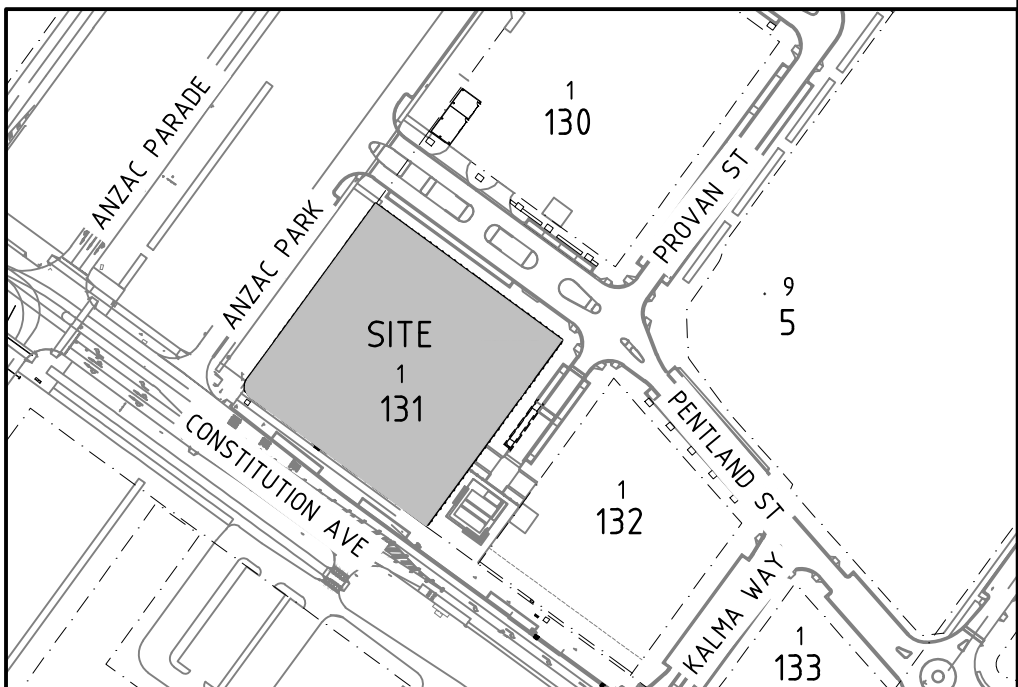
SERVICE LINES

EXISTING

- S SEWER
- SW STORMWATER
- SSD SUBSOIL DRAINAGE
- W WATER
- E ELECTRICAL
- T COMMUNICATIONS
- G GAS

PROPOSED

- S SEWER
- SW STORMWATER
- SSD SUBSOIL DRAINAGE
- W WATER
- E ELECTRICAL
- T COMMUNICATIONS
- G GAS
- EX EXHUME



LOCALITY PLAN

NOT TO SCALE

GENERAL NOTES

- ALL WORK ON ICON WATER WATER SUPPLY AND SEWER MAINS TO BE CARRIED OUT IN ACCORDANCE WITH CURRENT ICON WATER, WATER SUPPLY & SEWERAGE STANDARDS RELEASE 2, AMENDMENT 5 SEPTEMBER 2012. ALL WORK ON STORMWATER MAINS TO BE CARRIED OUT IN ACCORDANCE WITH DESIGN STANDARDS FOR URBAN INFRASTRUCTURE AND STANDARD SPECIFICATION FOR URBAN INFRASTRUCTURE WORKS.
- CONNECTIONS AND OR DISCONNECTIONS OF SEWER AND WATER AT THE MAIN TO BE MADE BY ICON WATER AT CONTRACTOR'S EXPENSE. THE CONTRACTOR IS TO EXPOSE THE MAIN AT THE LOCATION OF THE CONNECTION/DISCONNECTION IN PREPARATION FOR THE WORK BY ICON WATER. ALL EXCAVATION IN THE VICINITY OF MAINS IS TO BE CARRIED OUT BY HAND.
- THE CONTRACTOR MUST VISIT THE SITE OF WORKS BEFORE TENDERING AND MAKE ALLOWANCES IN HIS TENDER FOR ALL TOPOGRAPHIC CONSTRAINTS AFFECTING THE EXECUTION OF THE WORKS AND THE RESTORATION OF THE SITE.
- ALTHOUGH THE POSITIONS OF EXISTING UNDERGROUND SERVICES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS, THE CONTRACTOR SHALL CONFIRM THE DEPTH AND LOCATION OF ALL SERVICES ON SITE BEFORE COMMENCING EXCAVATIONS. CONTRACTOR TO ADVISE DESIGN ENGINEER IF NOT IN ACCORDANCE WITH THE PLAN.
- ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM (AHD). ALL COORDINATES ARE BASED ON THE CANBERRA LOCAL GRID SYSTEM.
- THE CONTRACTOR MUST SECURE ALL PERMITS, ARRANGE ALL CLEARANCES AND PAY ALL FEES REQUIRED TO COMPLETE THE PROJECT BEFORE COMMENCING WORK.
- WORK AS EXECUTED DRAWINGS, TIE BOOK AND DEPOSITED PLAN MUST BE SUBMITTED BEFORE CONNECTION.
- ANY NON-METALLIC WATER SERVICE IS TO BE INSTALLED WITH TRACER WIRE AND TESTED.
- EXCESS EXCAVATED MATERIAL SHALL BE REMOVED FROM SITE AND DISPOSED OF AT AN APPROVED SPOIL AREA.
- THE CONTRACTOR SHALL REINSTATE ALL DISTURBED SURFACES TO MATCH EXISTING.
- THE CONTRACTOR IS RESPONSIBLE FOR THE PREPARATION OF ALL NECESSARY TEMPORARY TRAFFIC MANAGEMENT PLANS AND THEIR APPROVAL.
- CONTRACTOR TO CONFIRM DEPTH OF SEWER AND STORMWATER TIE POINTS PRIOR TO COMMENCEMENT OF CONSTRUCTION. ADVISE DESIGN ENGINEER IF NOT IN ACCORDANCE WITH PLAN.

SERVICE STRUCTURES

EXISTING

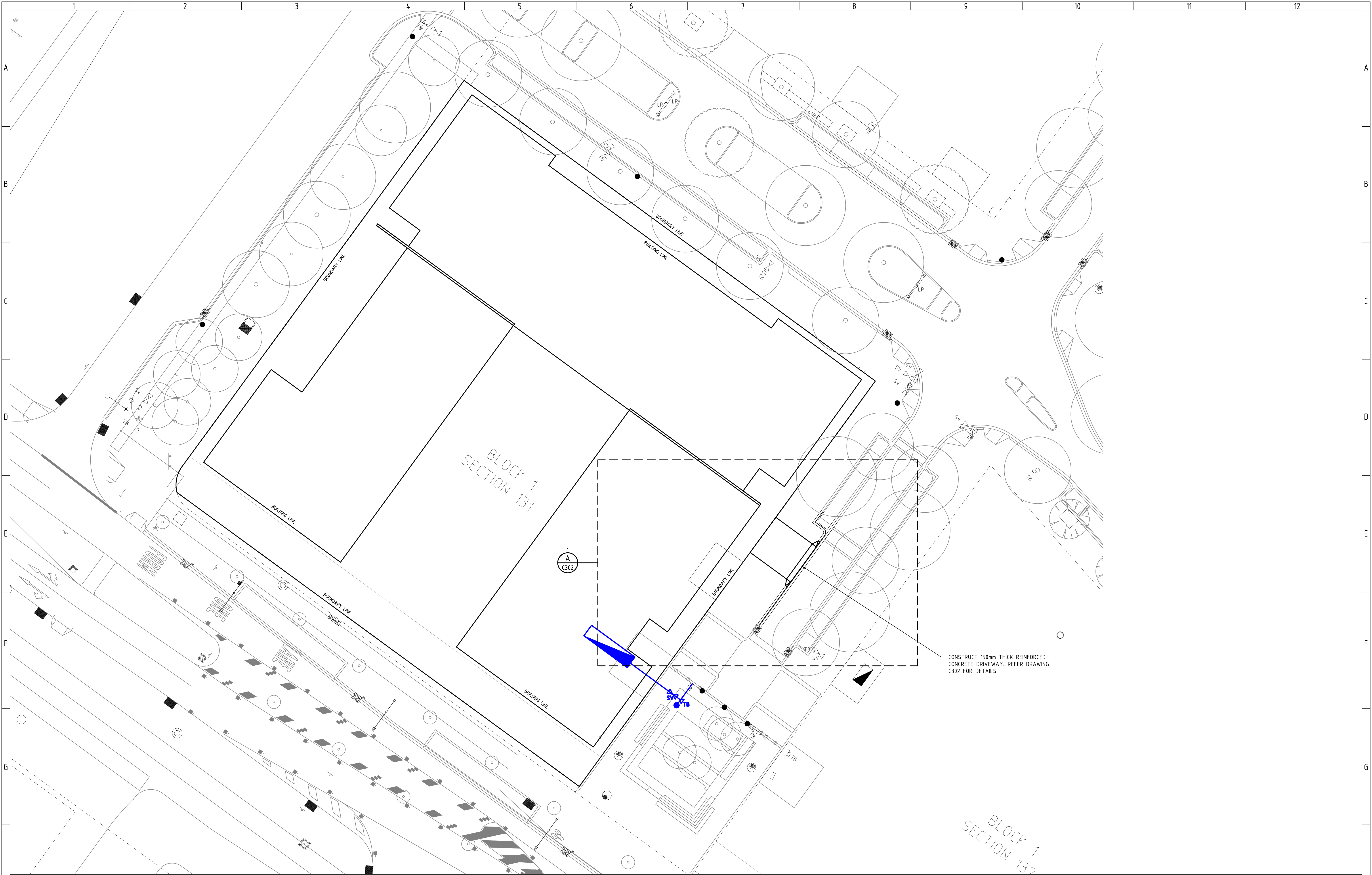
PROPOSED

- SEWER
 - ENDCAP
 - MANHOLE
- STORMWATER
 - ENDCAP
 - MANHOLE
 - GRATED PIT
 - KERB INLET SUMP
 - QS TYPE SUMP
 - R TYPE SUMP
 - HEADWALL
- WATER
 - HYDRANT
 - WATER METER
 - STOP VALVE
 - THRUST BLOCK
- ELECTRICAL
 - LIGHT POLE
 - PILLAR BOX
 - SUBSTATION
 - POWER POLE
- COMMUNICATIONS
 - PILLAR BOX
- PITS
 - PITS
- GAS
 - MARKER PLATE
 - OUTLET
 - PIT
 - VALVE

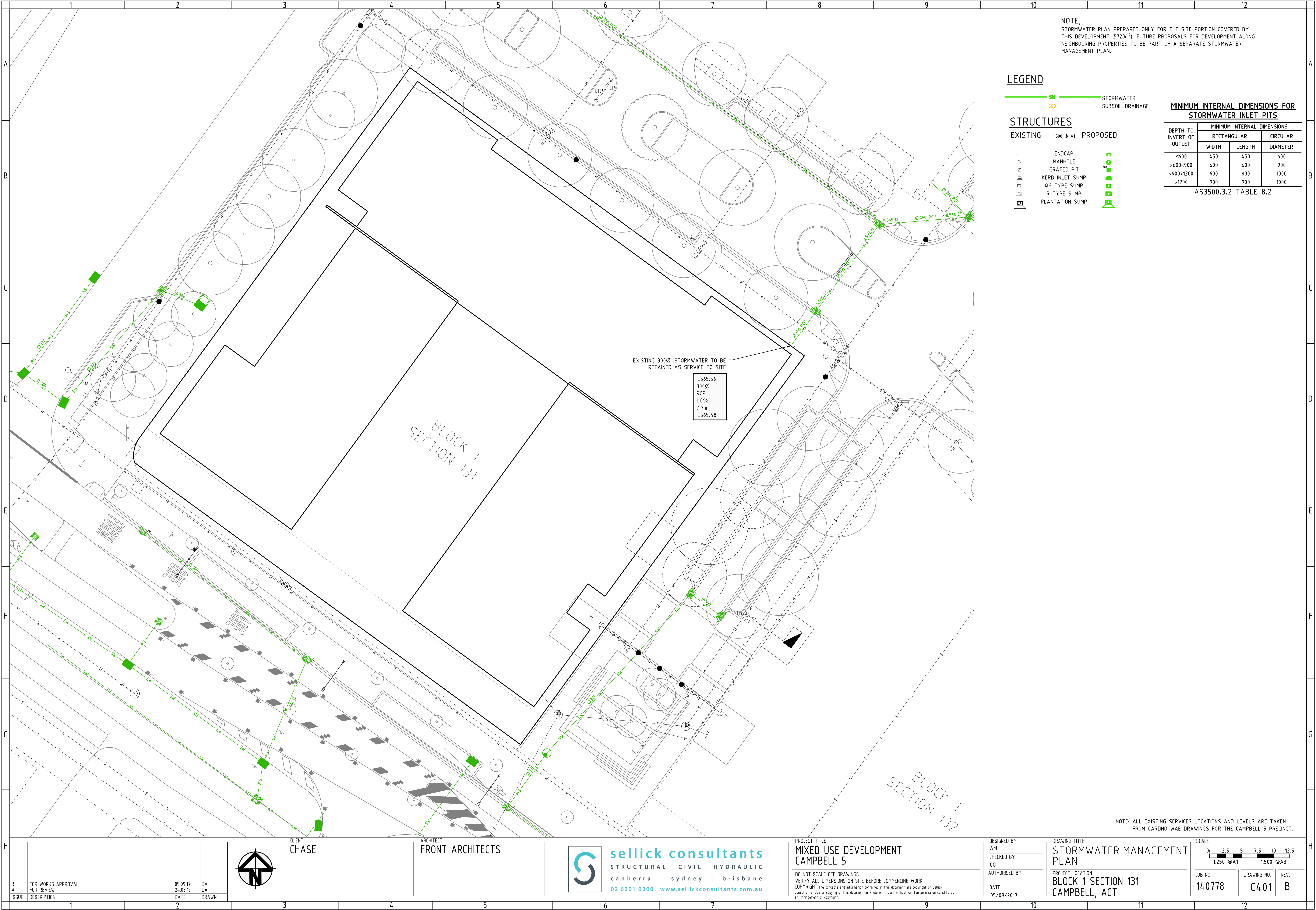
MINIMUM CLEARANCES	
SERVICES	CLEAR(mm)
HORIZONTAL	
ALL SERVICES	600
VERTICAL	
SEWER	150
WATER MAINS	150
TELECOMMUNICATIONS	150
HIGH PRESSURE GAS	300
LOW PRESSURE GAS	150
HIGH VOLTAGE ELECTRICITY	300
LOW VOLTAGE ELECTRICITY	150

SUB-SOIL DRAINAGE SYMBOLS

- FP FLUSH POINT
- IO INSPECTION OPENING



<div>FOR WORKS APPROVAL FOR REVIEW</div> <div>ISSUE DESCRIPTION</div>		<div>05.09.17 24.08.17</div> <div>DATE</div>	<div>DA DA</div> <div>DRAWN</div>	<div></div>	<div>CLIENT CHASE</div>	<div>ARCHITECT FRONT ARCHITECTS</div>	<div>sellick consultants STRUCTURAL CIVIL HYDRAULIC canberra sydney brisbane 02 6201 0200 www.sellickconsultants.com.au</div>	<div>PROJECT TITLE MIXED USE DEVELOPMENT CAMPBELL 5</div> <div>DO NOT SCALE OFF DRAWINGS VERIFY ALL DIMENSIONS ON SITE BEFORE COMMENCING WORK. COPYRIGHT: The concepts and information contained in this document are copyright of Sellick Consultants. Use or copying of this document in whole or in part without written permission constitutes an infringement of copyright.</div>	<div>DESIGNED BY AM</div> <div>CHECKED BY CO</div> <div>AUTHORISED BY</div> <div>DATE 05/09/2017</div>	<div>DRAWING TITLE CIVIL WORKS PLAN</div> <div>PROJECT LOCATION BLOCK 1 SECTION 131 CAMPBELL, ACT</div>	<div>SCALE 0m 2.5 5 7.5 10 12.5 1:250 @A1 1:500 @A3</div> <div>JOB NO. 140778</div> <div>DRAWING NO. C301</div> <div>REV. B</div>
---	--	--	---------------------------------------	-------------	-----------------------------	---	---	--	--	---	---



NOTE;
STORMWATER PLAN PREPARED ONLY FOR THE SITE PORTION COVERED BY
THIS DEVELOPMENT (5720m²). FUTURE PROPOSALS FOR DEVELOPMENT ALONG
NEIGHBOURING PROPERTIES TO BE PART OF A SEPARATE STORMWATER
MANAGEMENT PLAN.

LEGEND

SW STORMWATER
SSD SUBSOIL DRAINAGE

STRUCTURES

EXISTING 1500 @ A1 PROPOSED

ENDCAP
MANHOLE
GRATED PIT
KERB INLET SUMP
QS TYPE SUMP
R TYPE SUMP
PLANTATION SUMP

MINIMUM INTERNAL DIMENSIONS FOR
STORMWATER INLET PITS

DEPTH TO INVERT OF OUTLET	MINIMUM INTERNAL DIMENSIONS		
	RECTANGULAR	CIRCULAR	
	WIDTH	LENGTH	DIAMETER
≤600	450	450	600
>600<900	600	600	900
>900<1200	600	900	1000
>1200	900	900	1000

AS3500.3.2 TABLE 8.2

EXISTING 300Ø STORMWATER TO BE
RETAINED AS SERVICE TO SITE

IL565.56
300Ø
RCP
1.0%
7.7m
IL565.48

BLOCK 1
SECTION 131

BLOCK 1
SECTION 132

NOTE: ALL EXISTING SERVICES LOCATIONS AND LEVELS ARE TAKEN
FROM CARDNO WAE DRAWINGS FOR THE CAMPBELL 5 PRECINCT.

FOR WORKS APPROVAL
FOR REVIEW
DESCRIPTION

05.09.17
24.08.17
DATE

DA
DA
DRAWN



CLIENT
CHASE

ARCHITECT
FRONT ARCHITECTS



sellick consultants
STRUCTURAL CIVIL HYDRAULIC
canberra | sydney | brisbane
02 6201 0200 www.sellickconsultants.com.au

PROJECT TITLE
MIXED USE DEVELOPMENT
CAMPBELL 5

DO NOT SCALE OFF DRAWINGS
VERIFY ALL DIMENSIONS ON SITE BEFORE COMMENCING WORK.
COPYRIGHT: The concepts and information contained in this document are copyright of Sellick.
Consultants Use or copying of this document in whole or in part without written permission constitutes
an infringement of copyright.

DESIGNED BY
AM
CHECKED BY
CO
AUTHORISED BY
DATE
05/09/2017

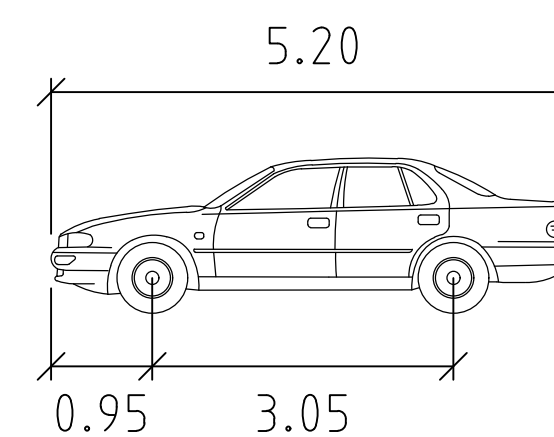
DRAWING TITLE
STORMWATER MANAGEMENT
PLAN
PROJECT LOCATION
BLOCK 1 SECTION 131
CAMPBELL, ACT

SCALE
0m 2.5 5 7.5 10 12.5
1:250 @A1 1:500 @A3

JOB NO.
140778

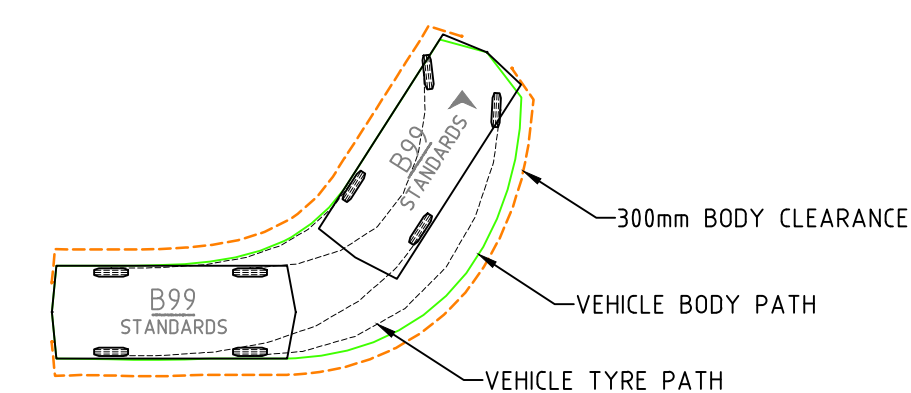
DRAWING NO.
C401

REV.
B



AS2890.1 B99

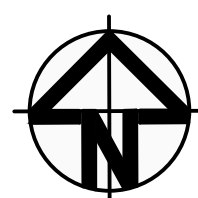
Width	: 1.94m
Track	: 1.84m
Lock to Lock Time	: 6.00s
Steering Angle	: 38.00°



DETAIL 1 - B99 BASEMENT ENTRANCE
1:100

DETAIL 2 - B99 BASEMENT EXIT
1:100

B A	FOR WORKS APPROVAL FOR REVIEW	05.09.17 24.08.17	DA DA
ISSUE	DESCRIPTION	DATE	DRAWN



CLIENT
CHASE

ARCHITECT
FRONT ARCHITECTS



sellick consultants
STRUCTURAL CIVIL HYDRAULIC
canberra | sydney | brisbane
02 6201 0200 www.sellickconsultants.com.au

PROJECT TITLE
MIXED USE DEVELOPMENT
CAMPBELL 5

DO NOT SCALE OFF DRAWINGS.
VERIFY ALL DIMENSIONS ON SITE BEFORE COMMENCING WORK.
COPYRIGHT: The concepts and information contained in this document are copyright of Sellick Consultants. Use or copying of this document in whole or in part without written permission constitutes an infringement of copyright.

DESIGNED BY
AM
CHECKED BY
CO
AUTHORISED BY

DATE
05/09/2017

DRAWING TITLE
TURNING DEMONSTRATION
PLAN 1

PROJECT LOCATION
BLOCK 1 SECTION 131
CAMPBELL, ACT

SCALE

0m 1 2 3 4
1:100 @A1 1:200 @A3

JOB NO.
140778

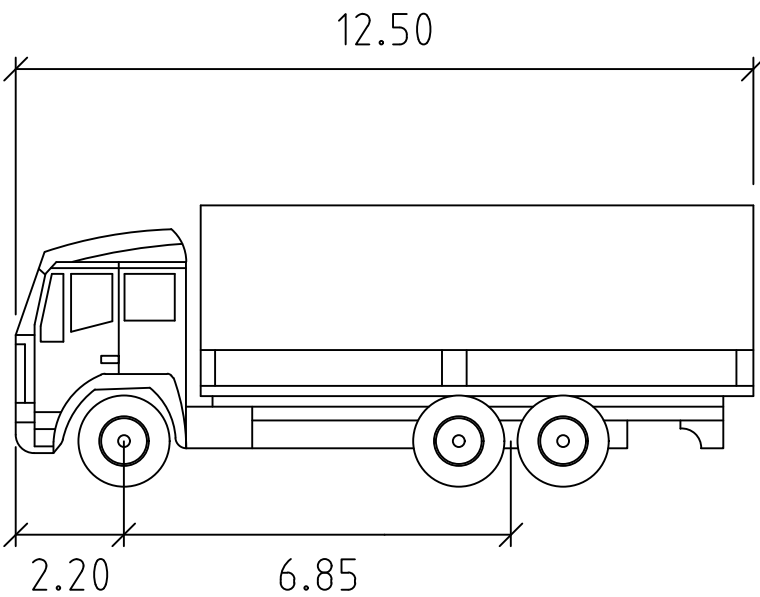
DRAWING NO.
C501

REV.
B

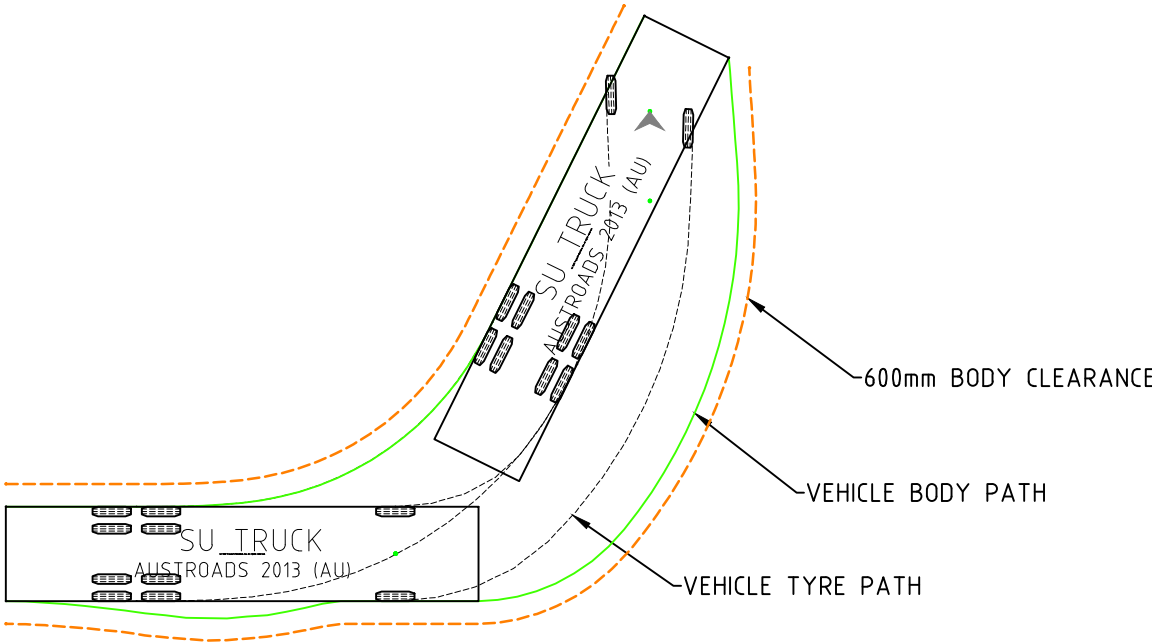


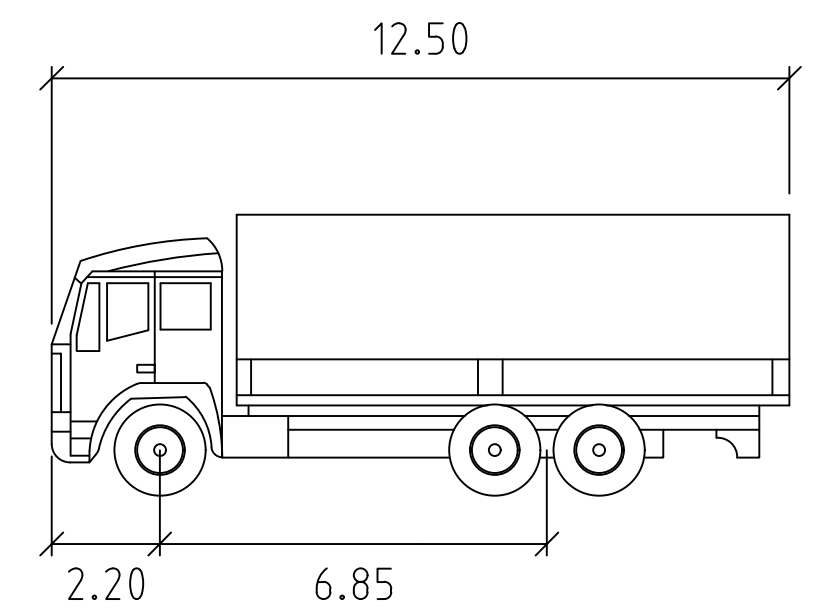
DETAIL 1 - REVERSE WASTE ENTRANCE
1:100

DETAIL 2 - FORWARD WASTE ENTRANCE
1:100

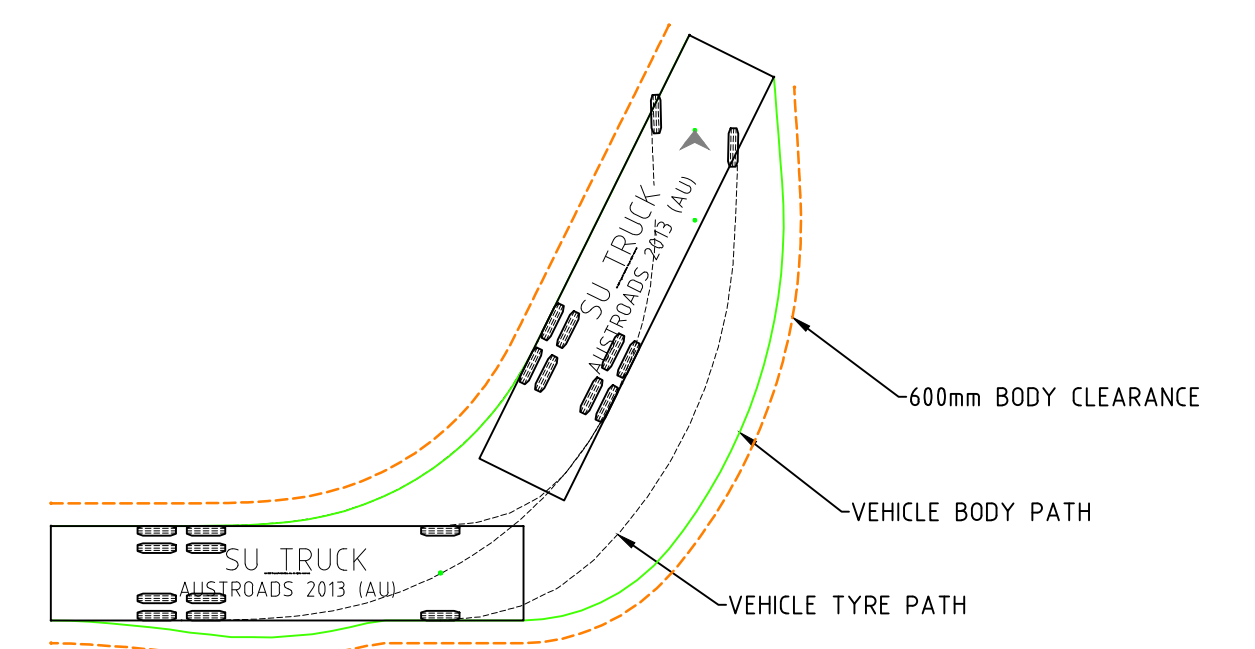


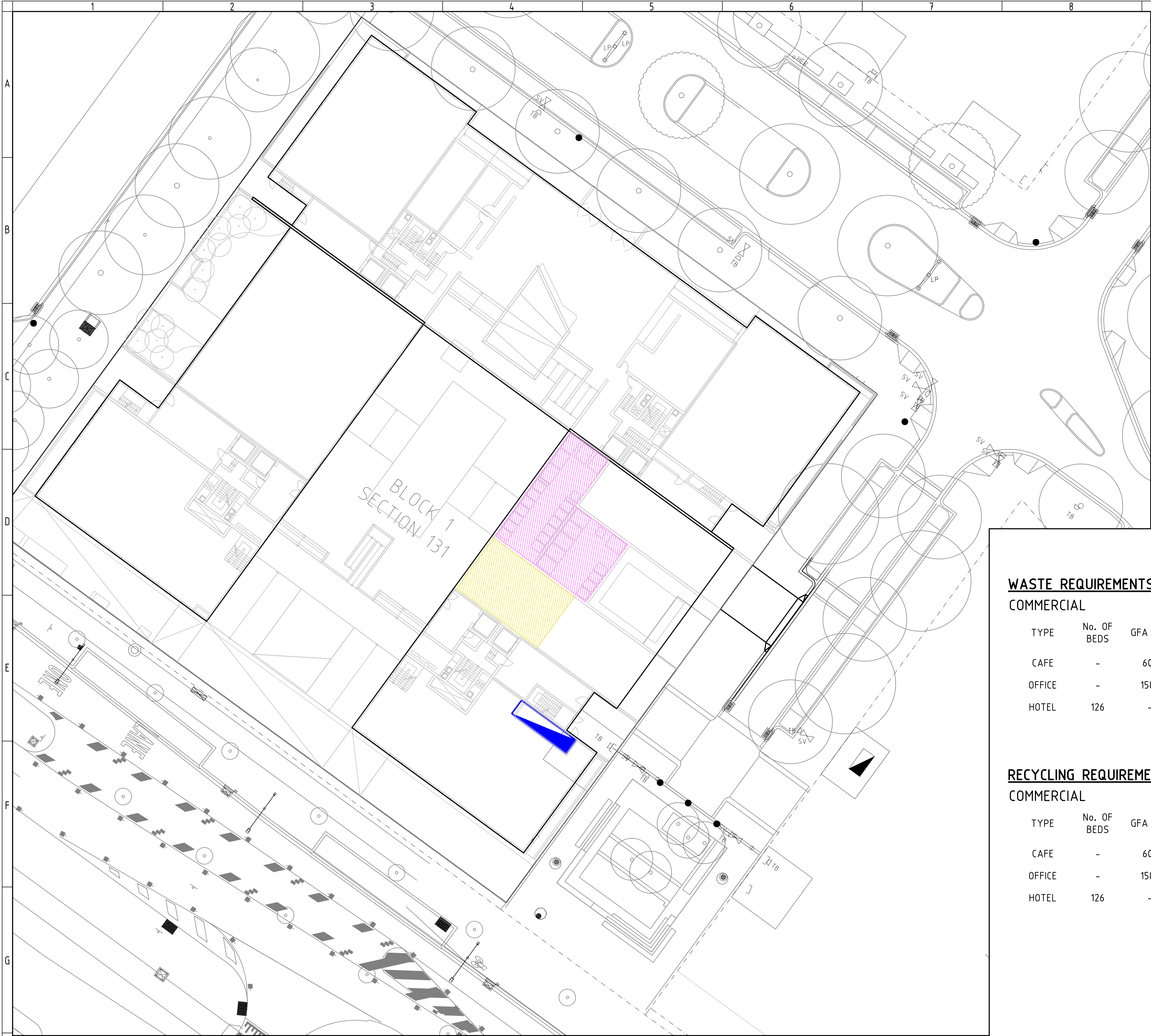
SU TRUCK	metres
Width	: 2.50
Track	: 2.50
Lock to Lock Time	: 6.0
Steering Angle	: 36.6





SU TRUCK	meters
Width	: 2.50
Track	: 2.50
Lock to Lock Time	: 6.0
Steering Angle	: 36.6





WASTE REQUIREMENTS

RESIDENTIAL

No. OF BEDS	No. OF UNITS	WASTE/UNIT /WEEK (IN LITRES)	TOTAL WASTE (m³)	BIN SIZE	No. OF COLLECTIONS PER WEEK	WEEKLY CAPACITY (m³)
4+	0	140	0.00	5 x 3m³	1	15.00
3	36	120	4.32			
2	80	100	8.00			
1+S	0	90	0.00			
1	32	80	2.56			
TOTAL	148		14.88			

RECYCLING REQUIREMENTS

RESIDENTIAL

No. OF BEDS	No. OF UNITS	RECYCLING /UNIT/WEEK (IN LITRES)	TOTAL RECYCLING (m³)	BIN SIZE	No. OF COLLECTIONS PER WEEK	WEEKLY CAPACITY (m³)
4+	0	120	0.00	13 x 1.1m³	1	14.30
3	36	110	3.96			
2	80	90	7.20			
1+S	0	80	0.00			
1	32	70	2.24			
TOTAL	148		13.40			

WASTE REQUIREMENTS

COMMERCIAL

TYPE	No. OF BEDS	GFA (m²)	WASTE/100m²/DAY (LITRES)	TOTAL WASTE (m³)	BIN SIZE	NO. OF COLLECTIONS /WEEK	DAYS	WEEKLY GENERATION (m³)	WEEKLY CAPACITY (m³)
CAFE	-	600	660	3.96	6 x 3.0m³	2	7	27.72	36.00
OFFICE	-	1580	20	0.32			5	1.58	
HOTEL	126	-	5	0.63			7	4.41	

RECYCLING REQUIREMENTS

COMMERCIAL

TYPE	No. OF BEDS	GFA (m²)	RECYCLING/UNIT/ DAY (LITRES)	TOTAL RECYCLING/DAY (m³)	BIN SIZE	NO. OF COLLECTIONS /WEEK	DAYS	WEEKLY GENERATION (m³)	WEEKLY CAPACITY (m³)
CAFE	-	600	135	0.81	4 x 1.1m³	2	7	5.67	8.80
OFFICE	-	1580	25	0.40			5	1.98	
HOTEL	126	-	1	0.13			7	0.88	

LEGEND

- WASTE ENCLOSURE
- COLLECTION ZONE