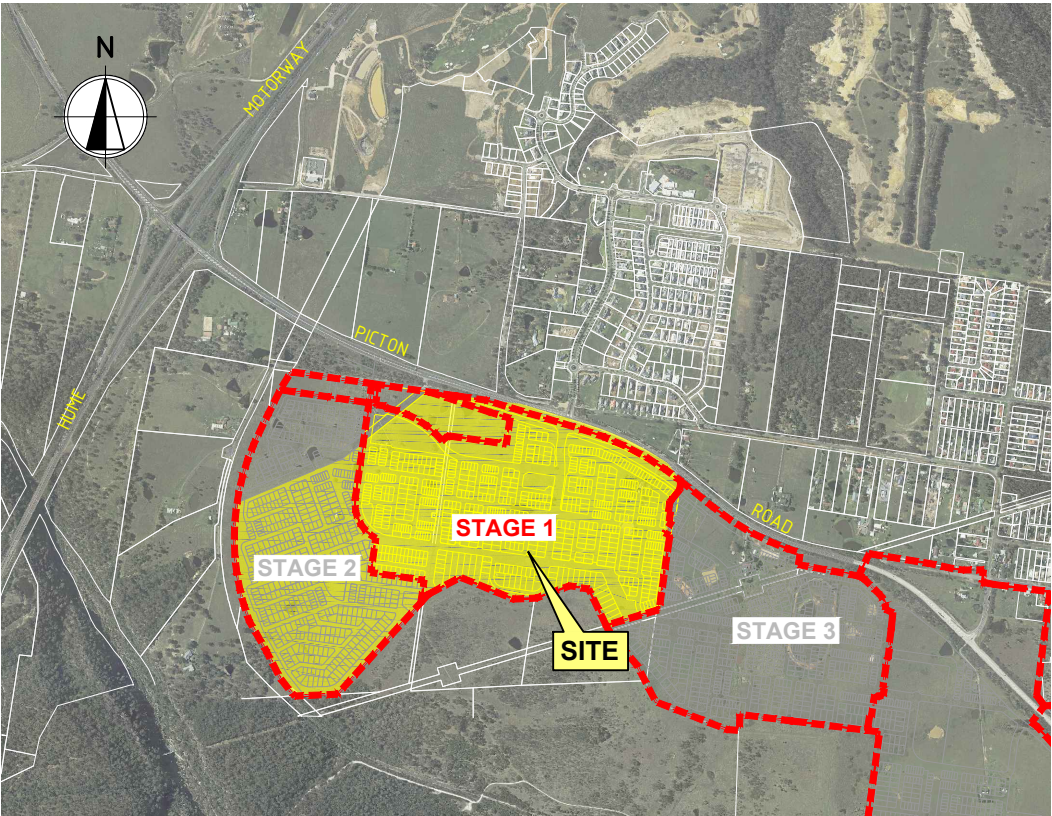


WILTON SOUTH EAST PRECINCT

STAGE 1 & PART STAGE 2 BULK EARTHWORKS
STAGE 1 RESIDENTIAL AND BALANCE LOT
LGA: WOLLONDILLY SHIRE COUNCIL



DRAWING INDEX

DRAWING NUMBER	DESCRIPTION
GENERAL	
DA-0000	LOCALITY PLAN AND DRAWING INDEX
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EARTHWORKS	
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DA-0203	PEMBROKE PARADE ENTRY PLAN
DA-0205	PICTON ROAD INTERFACE SECTIONS
DA-0208	ROADWORKS SITE SECTIONS
DA-0210	ROADWORKS TYPICAL SECTIONS
DA-0220	LONGITUDINAL SECTION ROAD 1 AND 2
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DA-0223	LONGITUDINAL SECTION ROAD 5
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DA-0421	EXISTING UTILITIES UNDERGROUND GAS PLAN AND DETAILS SHEET 2
DA-0422	EXISTING UTILITIES UNDERGROUND GAS PLAN AND DETAILS SHEET 3
DA-0430	PIPELINE PROTECTION SLAB AND PIER DETAIL
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LOCALITY PLAN
AND DRAWING INDEX

PROJECT No.	DRAWING No.	REV
S17119	DA-0000	A

1. TECHNICAL SPECIFICATIONS OR SPECIFIC INSTRUCTIONS ON DRAWINGS TAKE PRECEDENCE OVER THESE NOTES.
12. DO NOT DEPART FROM THE DESIGN UNLESS AUTHORISED IN WRITING BY THE DESIGN ENGINEER
13. THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL ARCHITECTURAL AND OTHER CONSULTANTS' DRAWINGS AND SPECIFICATIONS AND WITH ANY OTHER WRITTEN INSTRUCTIONS AS MAY BE ISSUED DURING THE COURSE OF THE CONTRACT. ANY DISCREPANCY SHALL BE REFERRED TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK. CONSTRUCTION FROM THESE DRAWINGS, AND THEIR ASSOCIATED CONSULTANTS' DRAWINGS IS NOT TO COMMENCE UNTIL APPROVED BY THE RELEVANT AUTHORITIES.
14. REFER TO ALL NOTES ON THESE DRAWINGS AND PREVIOUSLY MENTIONED DOCUMENTATION BEFORE BEGINNING CIVIL WORKS.
15. ALL MATERIALS AND WORKSMANSHIP SHALL BE IN ACCORDANCE WITH THE RELEVANT AND CURRENT SPECIFIED STANDARDS AND WITH THE BY-LAWS AND ORDINANCES OF THE RELEVANT APPROVAL AUTHORITIES EXCEPT WHERE VARYED BY THE PROJECT SPECIFICATION AND/OR DRAWINGS.
16. THE RELEVANT AUTHORITIES OCCUPATIONAL HEALTH AND SAFETY PRACTICES MUST BE COMPLIED WITH.
17. ALL DIMENSIONS AND LEVELS SHOWN ON THE DRAWINGS SHALL BE VERIFIED BY THE CONTRACTOR ON SITE. CIVIL DRAWINGS SHALL NOT BE SCALED FOR DIMENSIONS. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS AND SETOUT. THE ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
18. UNLESS NOTED OTHERWISE, ALL DIMENSIONS ARE IN METRES (m) AND ALL LEVELS ARE IN METRES (m) TO AUSTRALIAN HEIGHT DATUM (AHD).
19. GRADES TO PAVEMENTS TO BE AS IMPLIED BY RL'S ON CIVIL GRADING PLAN DRAWINGS. GRADE EVENLY BETWEEN NOMINATED RL'S. AREAS EXHIBITING PONDING GREATER THAN 5mm DEPTH WILL NOT BE ACCEPTED/ UNLESS IN A DESIGNATED SAG POINT.
110. IF THERE IS DOUBT REGARDING THE CIVIL DESIGN, CONTACT THE ENGINEER FOR CLARIFICATION.
111. ALL ABBREVIATIONS ARE AS FOLLOWS:

EGL	EXISTING GROUND LEVEL
FFL	FINISHED FLOOR LEVEL
RL	REDUCED LEVEL
E.	EASTING COORDINATE
N.	NORTHING COORDINATE
AHD	AUSTRALIAN HEIGHT DATUM
U.N.O.	UNLESS NOTED OTHERWISE
uPVC	UNPLASTICISED POLYVINYL CHLORIDE
RCP	REINFORCED CONCRETE PIPE
VCP	VITRIFIED CLAY PIPE
FRC	FIBRE REINFORCED COMPOSITE
FIN.##	FINISHED SURFACE LEVEL
K&G	KERB AND GUTTER
KO	KERB ONLY
NFK	NOMINAL FACE OF KERB
FK	FLUSH KERB
TOK	TOP OF KERB
BOK	BACK OF KERB
DD	DISH DRAIN
MK	MOUNTABLE KERB
MIK	MOUNTABLE INTEGRAL KERB
IK	INTEGRAL KERB
IL	INVERT LEVEL
OL	OBVERT LEVEL
GD	GRATED DRAIN
TWL	TOP WATER LEVEL
GALV.	GALVANISED
TE	THICKENED EDGE
FP	FLUSHING POINT
DP	DOWN PIPE
RW#	RETAINING WALL
IJ	ISOLATION JOINT
DEJ	DOWELLED EXPANSION JOINT
SJ	SAWN JOINT
KJ	KEYED JOINT
WPJ	TROWELED WEAKENED PLANE JOINT
EJ	EXPANSION JOINT
TW	TOP OF WALL LEVEL
BW	BOTTOM OF WALL LEVEL

- 2.1. THE EXISTING SITE CONDITIONS SHOWN ON THE FOLLOWING DRAWINGS HAVE BEEN DERIVED FROM SURVEY INFORMATION SUPPLIED FROM LTS LOCKLEY.
- 2.2. THE FOLLOWING SURVEY INFORMATION HAS BEEN TAKEN DIRECTLY FROM ORIGINAL SURVEY DOCUMENTS.

ORIGIN OF LEVELS	T55626 RL282.828
DATUM	AHD
CONTOUR INTERVAL	0.5m
- 2.3. THE INFORMATION IS SHOWN TO PROVIDE A BASIS FOR DESIGN. BG&E PTY LTD DOES NOT GUARANTEE THE ACCURACY OR COMPLETENESS OF THE SURVEY BASED ON ITS SUITABILITY AS A BASIS FOR CONSTRUCTION DRAWINGS.
- 2.4. SHOULD DISCREPANCIES BE ENCOUNTERED DURING CONSTRUCTION BETWEEN THE SURVEY DATA AND ACTUAL FIELD DATA, CONTACT BG&E PTY LTD.
- 2.5. THE CONTRACTOR SHALL ARRANGE ALL SURVEY SETOUT TO BE CARRIED OUT BY A REGISTERED SURVEYOR.
- 2.6. BENCH MARK, SURVEY PEGS, LEVEL PEGS OR SUPPLEMENTARY REFERENCE MARKS SHALL NOT BE ADJUSTED OR MOVED WITHOUT WRITTEN APPROVAL FROM THE SUPERINTENDENT. THE CONTRACTOR SHALL TRANSFER ANY PEGS AFFECTED BY THE PROPOSED WORKS TO SITE POSITIONS CLEAR OF OPERATIONS AND SHALL NOTE THE EXTENT OF THE MOVEMENT IN DISTANCE AND LEVEL.

- 3.1. IN ORDER TO CHECK THAT THE 'AS BUILT' DRAINAGE ACHIEVES THE DESIGN INTENT AN 'AS BUILT' SURVEY BY A REGISTERED SURVEYOR WILL BE REQUIRED.
- 3.2. THE SURVEYOR SHOULD INCLUDE ALL PIPE AND PIT INVERTS, SURFACE LEVELS AT THE PITS AND OTHER LOCATIONS WHERE SURFACE RL'S ARE NOMINATED ON THE DRAWINGS. PIT MEASUREMENTS, ORIFICE DIAMETERS AND ORIFICE INVERTS, INVERT LEVELS OF WEIRS AND OTHER FLOW CONTROL DEVICES, SHOULD BE CHECKED BY THE SURVEYOR.
- 3.3. ANY ON SITE DETENTION/RETENTION VOLUMES TO BE CONFIRMED BY THE SURVEYOR.
- 3.4. ONE COPY OF THE WORK AS EXECUTED SURVEY IS TO BE FORWARDED TO THE CLIENT AND ONE COPY TO BG&E PTY LTD.

1. THE CONTRACTOR MUST CONFIRM THE EXACT LOCATION AND EXTENT OF EXISTING SERVICES PRIOR TO CONSTRUCTION AND NOTIFY ANY CONFLICT WITH THE DRAWINGS IMMEDIATELY TO THE ENGINEER/SUPERINTENDENT.
2. EXISTING SERVICES UNLESS SHOWN ON SURVEY PLAN HAVE BEEN PLOTTED FROM SERVICES SEARCH PLANS AND AS SUCH THEIR ACCURACY CANNOT BE GUARANTEED.
3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COMPLETE A "DIAL BEFORE YOU DIG" SEARCH AND TO ESTABLISH THE LOCATION AND LEVEL OF ALL EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF ANY WORK. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER/SUPERINTENDENT. CLEARANCES SHALL BE OBTAINED FROM THE RELEVANT SERVICE AUTHORITY. SEARCH RESULTS ARE TO BE KEPT ON SITE AT ALL TIMES.
4. THE CONTRACTOR HAS A DUTY OF CARE WHEN EXCAVATING NEAR SERVICES. DO NOT ASSUME DEPTHS OR ALIGNMENTS OF CABLES OR PLANT AS THESE MAY VARY SIGNIFICANTLY. THE CONTRACTOR MUST ACCEPT ALL RESPONSIBILITY TO DAMAGES TO EXISTING SERVICES AS SERVICE AUTHORITIES MAY SEEK COMPENSATION FOR DAMAGES CAUSED TO THEIR PROPERTY AND SUBSEQUENT LOSSES CAUSED.
5. THE CONTRACTOR SHALL ALLOW FOR THE CAPPING OFF, EXCAVATION AND REMOVAL OR RELOCATION (IF REQUIRED) TO RELEVANT AUTHORITIES GUIDELINES OF ALL EXISTING SERVICES IN AREAS AFFECTED BY WORKS WITHIN THE CONTRACT AREA OR AS SHOWN ON THE DRAWINGS UNLESS DIRECTED OTHERWISE BY THE ENGINEER/SUPERINTENDENT.
6. INTERRUPTION TO SUPPLY OF EXISTING SERVICES SHALL BE DONE SO AS NOT TO CAUSE ANY INCONVENIENCE TO SURROUNDING ALLOTMENTS. CONTRACTOR TO GAIN APPROVAL FROM THE RELEVANT AUTHORITIES FOR TIME OF INTERRUPTION.
7. THE CONTRACTOR SHALL CONSTRUCT TEMPORARY SERVICES TO MAINTAIN SUPPLY TO EXISTING BUILDINGS REMAINING IN OPERATION DURING WORKS TO THE SATISFACTION AND APPROVAL OF ANY RELEVANT AUTHORITIES. ONCE DIVERSION IS COMPLETE AND COMMISSIONED, THE CONTRACTOR SHALL REMOVE ALL SUCH TEMPORARY SERVICES AND MAKE GOOD TO THE SATISFACTION OF THE RELEVANT AUTHORITY/SUPERINTENDENT.
8. EXISTING SERVICES, BUILDINGS, EXTERNAL STRUCTURES AND TREES SHOWN ON THESE DRAWINGS ARE EXISTING FEATURES PRIOR TO ANY DEMOLITION WORKS.
9. ALL BRANCH GAS AND WATER SERVICES UNDER DRIVEWAYS, BRICK PAVING AND CONSTRUCTION TRAFFIC MANEUVERING AREAS SHALL BE PROTECTED TO RELEVANT AUTHORITIES GUIDELINES.
10. ALL EXISTING SERVICE UTILITIES COVERS AND GRATES ARE TO BE ADJUSTED (TO RELEVANT AUTHORITY GUIDELINES) TO SUIT NEW FINISHED SURFACE LEVELS WHERE APPLICABLE.
11. IF EXISTING SERVICE UTILITY COVERS AND GRATES OR SURROUNDING SURFACE LEVELS ARE TO BE LOWERED, THE CONTRACTOR IS TO MAKE CERTAIN THAT MINIMUM COVERS (TO RELEVANT SERVICE AUTHORITY GUIDELINES) TO SERVICES ARE MAINTAINED. IF MINIMUM COVERS AREN'T MAINTAINED THE CONTRACTOR IS TO LOWER OR PROTECT SERVICES TO THE SATISFACTION OF THE RELEVANT SERVICE AUTHORITY/SUPERINTENDENT.

INCLUDES ALL KERBS, GUTTERS, DISH DRAINS, CROSSINGS AND EDGES

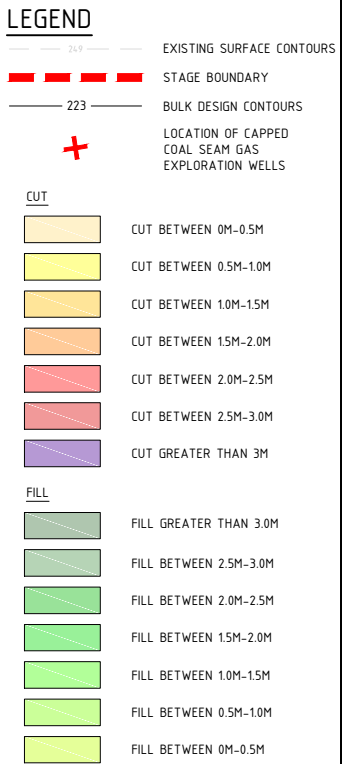
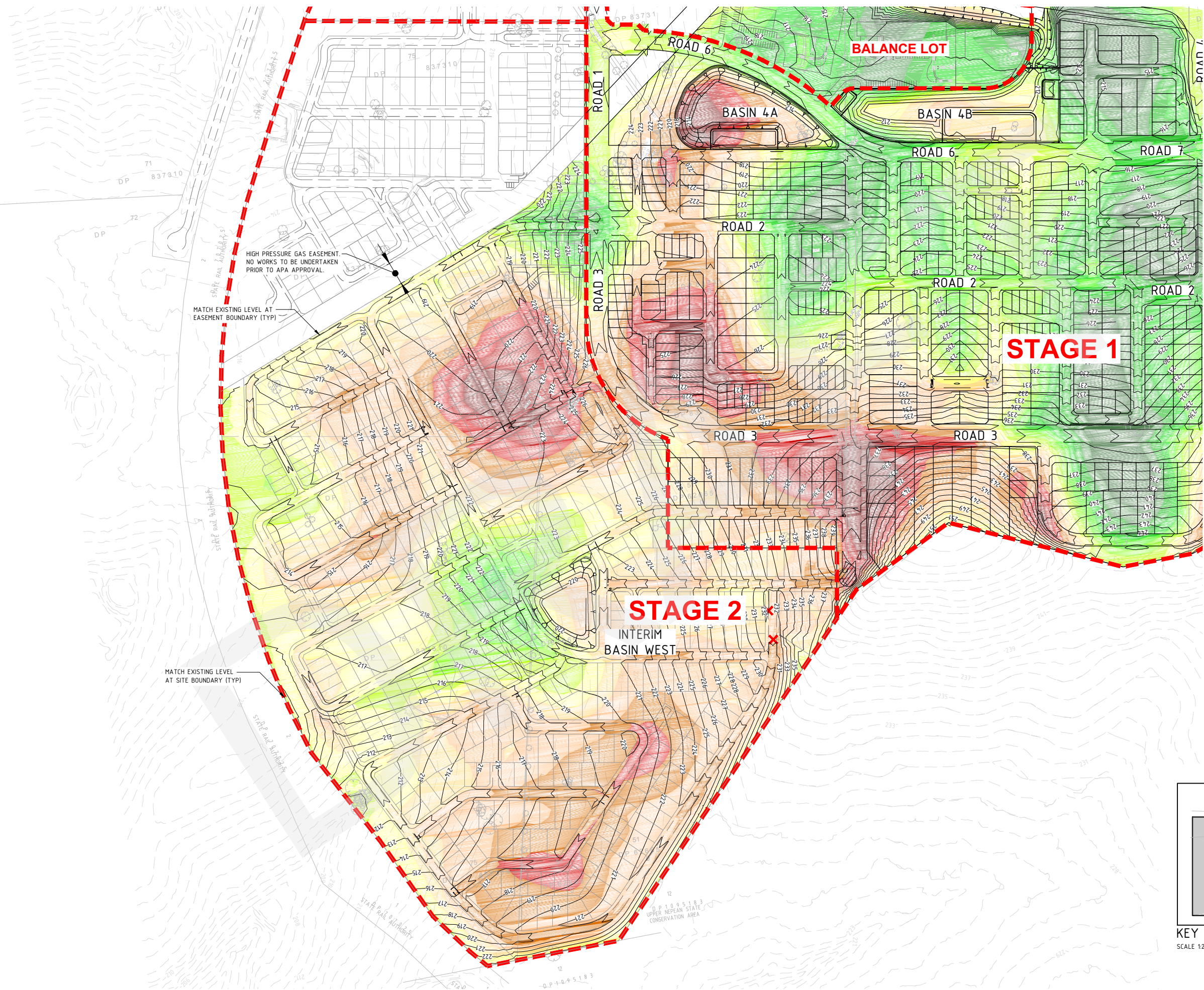
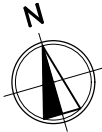
1. ALL KERBS, GUTTERS, DISH DRAINS AND CROSSINGS TO BE CONSTRUCTED ON MINIMUM 75mm GRANULAR BASE COURSE MATERIAL COMPACTED TO A MINIMUM 98% MODIFIED MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS 1289 5.2.1.
2. EXPANSION JOINTS (EJ) TO BE FORMED FROM 10MM COMPRESSIBLE CORK FILLER BOARD FOR THE FULL DEPTH OF THE SECTION AND CUT TO PROFILE. EXPANSION JOINTS TO BE LOCATED AT DRAINAGE PITS, ON TANGENT POINTS OF CURVES AND ELSEWHERE AT 12m CENTRES EXCEPT FOR INTEGRAL KERBS WHERE THE EXPANSION JOINTS ARE TO MATCH THE JOINT LOCATIONS IN SLABS.
3. WEAKENED PLANE JOINTS (WPJ) ARE TO BE LOCATED AT A MAX 15 x WIDTH OF THE PAVEMENT. WEAKENED PLANE JOINTS (WPJ) ARE TO BE A MINIMUM 3mm WIDE WITH A JOINT DEPTH TO BE A MINIMUM OF 1/4 THE TOTAL DEPTH OF THE SECTION.
4. ALL KERBER OR DISH DRAINS TO BE STEEL FLOAT FINISHED.
5. WHEN CONSTRUCTING NEW KERB TO EXISTING AND IN THE REPLACEMENT OF KERBS, EXISTING ROAD PAVEMENT IS TO BE SAWCUT 900mm FROM LIP OF GUTTER, UPON COMPLETION OF NEW KERBS, NEW BASE COURSE AND SURFACE IS TO BE LAID 900mm WIDE TO MATCH EXISTING MATERIALS AND THICKNESS.
6. EXISTING ALLOTMENT DRAINAGE PIPES ARE TO BE BUILT INTO THE NEW KERB WITH A 125 x 75 GALVANISED RHS.
7. EXISTING KERBS ARE TO BE COMPLETELY REMOVED WHERE NEW KERBS ARE SHOWN.

- 5.1. ALL SEDIMENT CONTROL DEVICES ARE TO BE CONSTRUCTED, PLACED AND MAINTAINED IN ACCORDANCE WITH RELEVANT AUTHORITY GUIDELINES AND ANY DETAILS SHOWN ON THESE DRAWINGS.
- 5.2. ALL PERIMETER AND SILTATION CONTROL MEASURES ARE TO BE PLACED PRIOR TO, OR AS THE FIRST STEP IN EARTHWORKS AND/OR CLEARING.
- 5.3. THE SEDIMENT AND EROSION CONTROL PLAN MAY REQUIRE FUTURE ADJUSTMENT TO REFLECT CONSTRUCTION STAGING. IT IS THE CONTRACTORS RESPONSIBILITY TO PREPARE THEIR OWN SEDIMENT AND EROSION CONTROL PLAN WHICH SUITS THE DESIGNED CONSTRUCTION STAGING.
- 5.4. FILTRATION BUFFER ZONES ARE TO BE FENCED OFF AND ACCESS PROHIBITED TO ALL PLANT AND MACHINERY.
- 5.5. ALL SEDIMENT TRAPPING STRUCTURES AND DEVICES ARE TO BE INSPECTED AFTER STORMS FOR STRUCTURAL DAMAGE OR CLOGGING. DAMAGED SEDIMENT TRAPPING STRUCTURES ARE TO BE REPAIRED AND ANY TRAPPED MATERIAL IS TO BE REMOVED TO A SAFE LOCATION.
- 5.6. ALL TOPSOIL IS TO BE STOCKPILED ON SITE (AWAY FROM TREES AND DRAINAGE LINES) IN ACCORDANCE WITH DETAILS PROVIDED AND WITH RELEVANT AUTHORITY GUIDELINES. MEASURES SHALL BE APPLIED TO PREVENT EROSION OF THE STOCKPILES.
- 5.7. ALL EARTHWORK AREAS SHALL BE ROLLED EACH EVENING TO SEAL THE EARTHWORKS. DUST SUPPRESSION SHALL BE CARRIED OUT IN ACCORDANCE WITH RELEVANT AUTHORITIES GUIDELINES.
- 5.8. UPON COMPLETION OF ALL EARTHWORKS OR AS DIRECTED BY RELEVANT AUTHORITY, SOIL CONSERVATION TREATMENTS SHALL BE APPLIED SO AS TO RENDER AREAS THAT HAVE BEEN DISTURBED, EROSION PROOF WITHIN 14 DAYS.
- 5.9. ALL CUT AND FILL SLOPES ARE TO BE SEEDED AND STRAW MULCHED WITHIN 14 DAYS OF COMPLETION OF FORMATION U.N.O. BY LANDSCAPE ARCHITECTS.
- 5.10. EROSION AND SILT PROTECTION MEASURES ARE TO BE MAINTAINED AT ALL TIMES.
- 5.11. ALL CONSTRUCTION VEHICLES SHALL ENTER AND EXIT THE SITE VIA THE TEMPORARY CONSTRUCTION ENTRY/EXIT AS PER DETAILS PROVIDED OR WITH RELEVANT AUTHORITY GUIDELINES.
- 5.12. ALL VEHICLES LEAVING THE SITE SHALL BE CLEANED AND INSPECTED BEFORE LEAVING SITE TO LIMIT SEDIMENT TRACKING TO ROADWAYS.

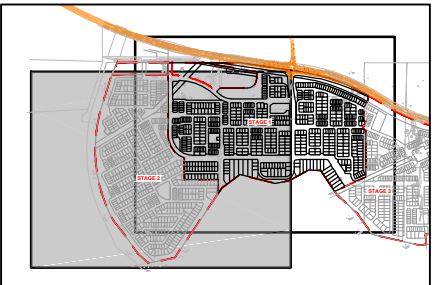
- 6.1. REFER TO 'EXISTING SERVICES AND FEATURES' NOTES BEFORE COMMENCING BULK EARTHWORKS.
- 6.2. TECHNICAL SPECIFICATIONS OR SPECIFIC INSTRUCTIONS CONTAINED IN THE GEOTECHNICAL REPORT TAKE PRECEDENCE OVER THESE NOTES.
- 6.3. ALL TOP SOIL, ORGANIC MATTER AND FILL MATERIAL SHALL BE REMOVED FROM ALL AREAS UNDER PROPOSED WORK LOCATIONS TO THE SATISFACTION OF THE GEOTECHNICAL ENGINEER. AREAS TO BE FULLY STRIPPED OF EXISTING FILL AND DARK BROWN BLACK UPPER ORGANIC ALLUVIUM.
- 6.4. CONTRACTOR SHALL PLACE SAFETY BARRIERS AROUND EXCAVATIONS IN ACCORDANCE WITH RELEVANT AUTHORITY SAFETY REGULATIONS
- 6.5. BULK EARTHWORKS DRAWINGS ARE NOT TO BE USED FOR DETAIL EXCAVATION.

- 7.1. THE STORMWATER DESIGN SHOWN ON THESE DRAWINGS HAS BEEN CARRIED OUT IN ACCORDANCE WITH WOLLONOLLY SHIRE COUNCIL'S REQUIREMENTS, AUSTRALIAN RAINFALL AND RUNOFF (AR&R) GUIDELINES AND RELEVANT AUTHORITIES GUIDELINES.
- 7.2. FINISHED SURFACE LEVELS SHOWN ON CIVIL GRADING PLAN DRAWINGS TAKE PRECEDENCE OVER DRAINAGE LONGSECTION SURFACE LEVELS.
- 7.3. ALL STORMWATER WORK IS TO COMPLY WITH AS3500 PART 3.
- 7.4. PROTECTION OF PIPES EXPOSED TO LOADS EXCEEDING THE 70k WHEEL LOAD OF W7M SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
- 7.5. NO CONSTRUCTION LOADS SHALL BE APPLIED TO uPVC PIPES.
- 7.6. EXISTING STORMWATER PIPE LOCATIONS AND INVERT LEVELS TO BE CONFIRMED PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- 7.7. FOR ALL STORMWATER DRAINAGE PITS REFER TO TYPICAL PIT CHAMBER DETAILS ON THESE DRAWINGS. IF PIT LID SIZE IS SMALLER THAN THE PIT CHAMBER SIZE THEN THE PIT LID IS TO BE CONSTRUCTED ON THE CORNER OF THE PIT CHAMBER WITH THE STEP IRONS DIRECTLY BELOW. ALTERNATIVELY THE PIT LID TO BE USED, IS TO BE THE SAME SIZE AS THE PIT CHAMBER.
- 7.8. GALVANIZED STEP IRONS SHALL BE PROVIDED AT 300 CTRS FOR PITS HAVING A DEPTH EXCEEDING 1200mm
- 7.9. PIPES 300 DIA. AND LARGER TO BE REINFORCED CONCRETE PIPES (RCP) CLASS '2' APPROVED SPIGOT AND SOCKET WITH RUBBER RING JOINTS U.N.O.
- 7.10. PIPES UP TO 300 DIA. SHALL BE SEWER GRADE uPVC WITH SOLVENT WELDED JOINTS.
- 7.11. EQUIVALENT STRENGTH VCP OR FRC PIPES MAY BE USED IF RELEVANT APPROVAL AUTHORITY AND SUPERINTENDENT PERMITS.
- 7.12. BEDDING TYPE SHALL BE TYPE H2 FOR RCP. WHERE NECESSARY THE OVERLAY ZONE SHALL BE REDUCED TO ACCOMMODATE PAVEMENT REQUIREMENTS.
- 7.13. PIPES SHALL BE LAID ON A 75mm THICK SAND BED. IN ALL CASES BACKFILL TRENCH WITH SAND TO 200mm ABOVE THE 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 98% STANDARD MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS 1289 5.2.1 (OR A DENSITY INDEX OF NOT LESS THAN 75).
- 7.14. WHERE TRENCHES ARE IN ROCK THE PIPE SHALL BE BEDDED ON A MINIMUM OF 50mm CONCRETE BED (OR 75mm BED OF 12mm BLUE METAL) UNDER THE BARREL OF THE PIPE.
- 7.15. ENLARGERS, CONNECTORS AND JUNCTIONS TO BE PREFABRICATED FITTINGS WHERE PIPES ARE LESS THAN 300 DIA.
- 7.16. CARE IS TO BE TAKEN WITH LEVELS OF STORMWATER LINES. GRADES SHOWN ARE NOT TO BE REDUCED WITHOUT PRIOR WRITTEN APPROVAL FROM THE ENGINEER.
- 7.17. GRATES AND COVERS SHALL CONFORM TO AS3996 AND AS1428.1 AT ALL TIMES DURING CONSTRUCTION OF THE STORMWATER PITS.
- 7.18. 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 AND ENGINEER FOR FURTHER DIRECTIONS.

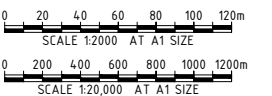
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										 Walker Corporation Level 21 Governor Macquarie Tower 1 Farrer Place, SYDNEY NSW 2000 Australia		 Sydney Office 22-24 Whitehall St Sydney NSW 2000 P: +61 2 9720 5300 E: info@bgandc.com.au Engineering		ISSUED FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION		GENERAL NOTES SHEET	
										Telephone +61 8273 9600 Facsimile +61 8273 7400		DRAWN DESIGNED CHECKED APPROVED TEJ LM TW PH					
A 31.05.2018 ISSUED FOR DA APPROVAL TW REV												DATUM GRID SCALE AHD MGA - AT A1 SIZE		PROJECT No. S17119			
REVISIONS														DRAWING No. DA-0010			
REVISIONS														REV. A			



- VOLUMES:**
- CUT TO FILL OF 1,184,140m³. SHORTFALL OF 29,600m³ FOR STAGE 1 AND 2 ONLY.
 - VOLUMES ARE TAKEN FROM EXISTING STRIPPED SURFACE TO BULK DESIGN SURFACE.
 - VOLUMES CONTAIN NO ALLOWANCE FOR TRENCHING OR BULKING.



KEY PLAN
SCALE 1:20,000



REV	DATE	DESCRIPTION	REV	DATE	DESCRIPTION
A	31.05.2018	ISSUED FOR DA APPROVAL	TW		
REV	DATE	DESCRIPTION	RVD	REV	DATE
REVISIONS			REVISIONS		



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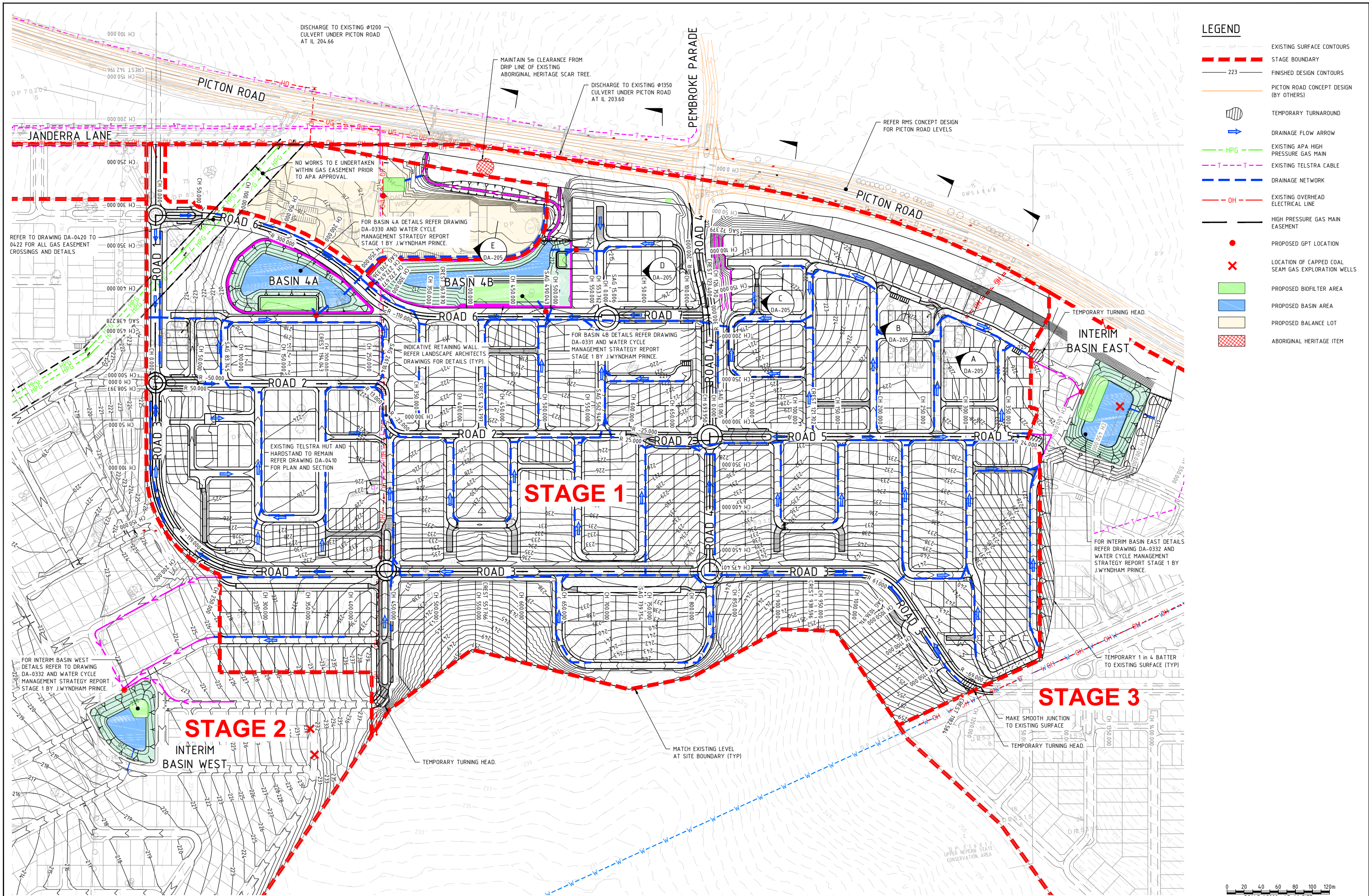
Sydney Office
12-13 Wentworth St Sydney NSW 2000
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PROJECT
WILTON SOUTH EAST PRECINCT

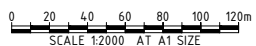
ISSUED FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION			
DRAWN	DESIGNED	CHECKED	APPROVED
TEJ	LM	TW	PH
DATUM	GRID	SCALE	AT
AHD	MGA	1:2000, 1:20000	A1 SIZE

EARTHWORKS PLAN STAGE 2			
PROJECT No.	DRAWING No.	REV	
S17119	DA-0101	A	



LEGEND

- EXISTING SURFACE CONTOURS
- STAGE BOUNDARY
- FINISHED DESIGN CONTOURS
- PICTON ROAD CONCEPT DESIGN (BY OTHERS)
- TEMPORARY TURNAROUND
- DRAINAGE FLOW ARROW
- EXISTING APA HIGH PRESSURE GAS MAIN
- EXISTING TELSTRA CABLE
- DRAINAGE NETWORK
- EXISTING OVERHEAD ELECTRICAL LINE
- HIGH PRESSURE GAS MAIN EASEMENT
- PROPOSED GPT LOCATION
- LOCATION OF CAPPED COAL SEAM GAS EXPLORATION WELLS
- PROPOSED BIOFILTER AREA
- PROPOSED BASIN AREA
- PROPOSED BALANCE LOT
- ABORIGINAL HERITAGE ITEM



REV	DATE	DESCRIPTION	REV	DATE	DESCRIPTION
A	31.05.2018	ISSUED FOR DA APPROVAL			
REV	DATE	DESCRIPTION	REV	DATE	DESCRIPTION
REVISIONS			REVISIONS		

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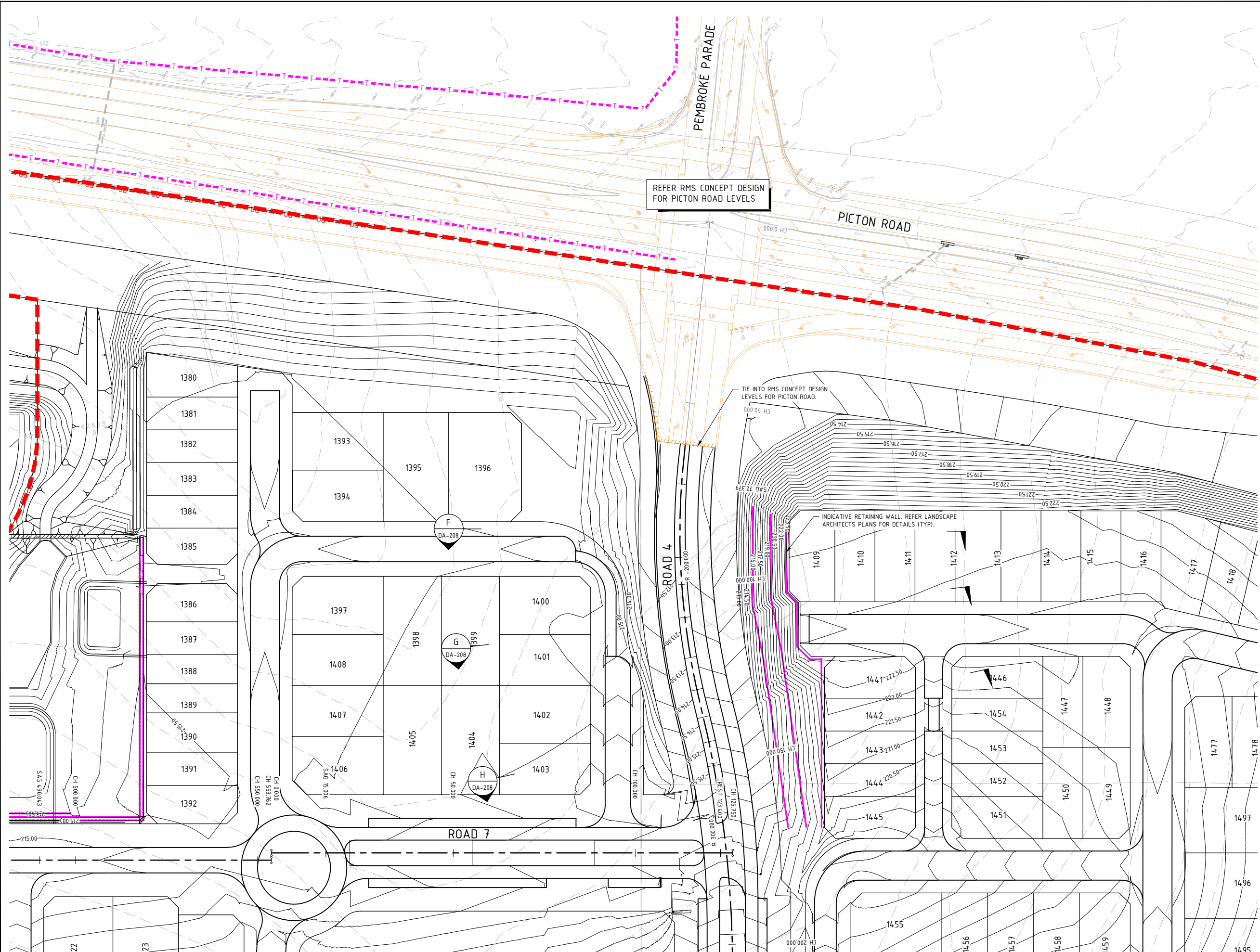
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BG & E

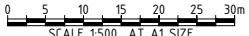
PROJECT
WILTON SOUTH EAST PRECINCT

STATUS			
ISSUED FOR APPROVAL			
NOT TO BE USED FOR CONSTRUCTION			
DRAWN	DESIGNED	CHECKED	APPROVED
TEJ	LM	TW	PH
DATUM	GRID	SCALE	
AHD	MGA	1:2000	

TITLE		
ROADWORKS AND DRAINAGE PLAN		
PROJECT No.	DRAWING No.	REV
S17119	DA-0200	A



- LEGEND**
- EXISTING SURFACE CONTOURS
 - STAGE BOUNDARY
 - FINISHED DESIGN CONTOURS
 - PICTON ROAD CONCEPT DESIGN (BY OTHERS)
 - EXISTING PICTON ROAD
 - EXISTING TELSTRA CABLE
 - EXTENT OF ROADWORKS
 - PROPOSED LOT NUMBERS



REVISIONS				REVISIONS			
REV	DATE	DESCRIPTION	RVD	REV	DATE	DESCRIPTION	RVD
A	31.05.2018	ISSUED FOR DA APPROVAL	TW				

CLIENT

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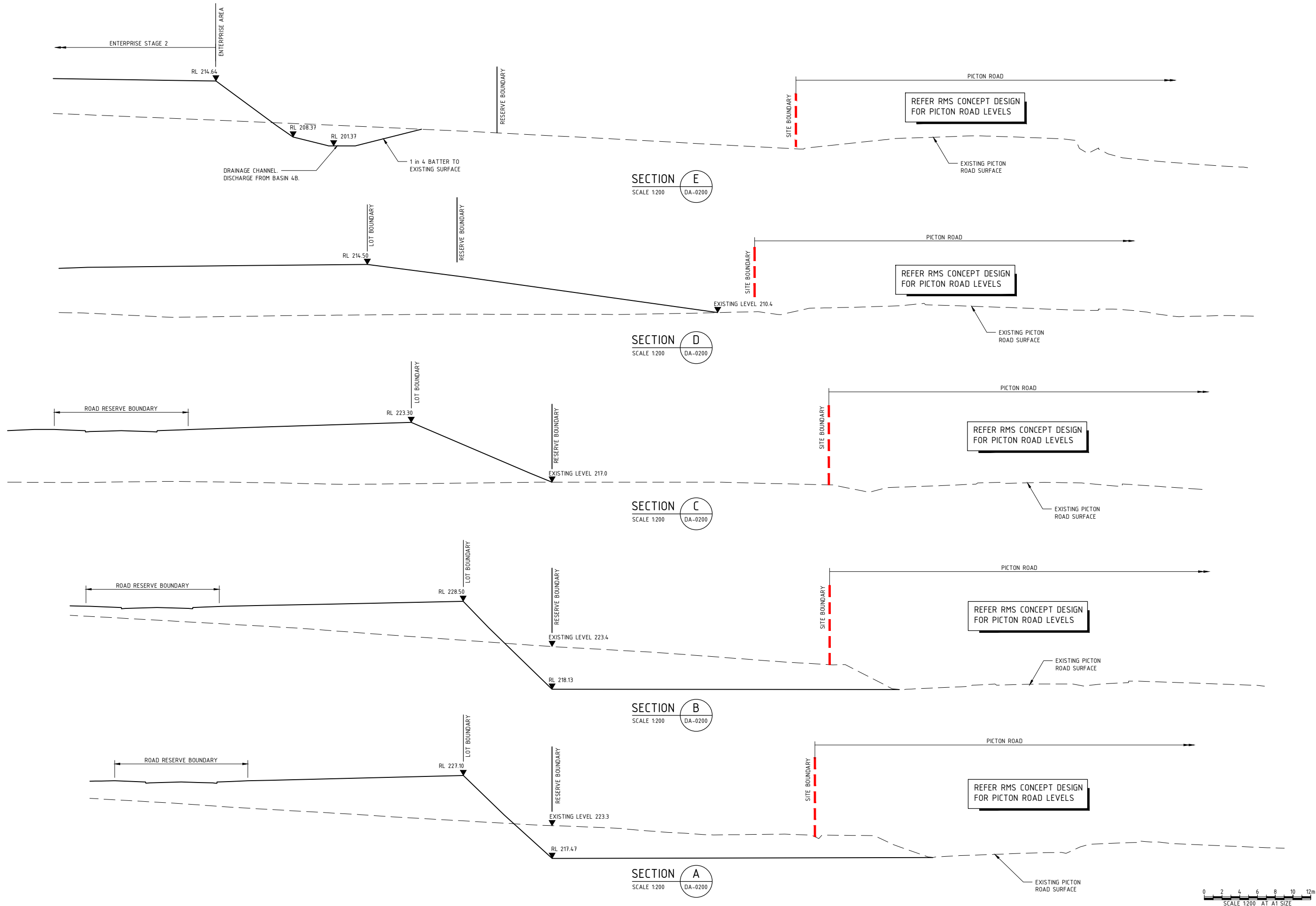


PROJECT

WILTON SOUTH EAST PRECINCT

STATUS			
ISSUED FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION			
DRAWN TEJ	DESIGNED LM	CHECKED TW	APPROVED PH
DATUM AHD	GRID MGA	SCALE 1:500	AT A1 SIZE

TITLE		
PEMBROKE PARADE ENTRY PLAN		
PROJECT No. S17119	DRAWING No. DA-0203	REV A



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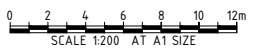
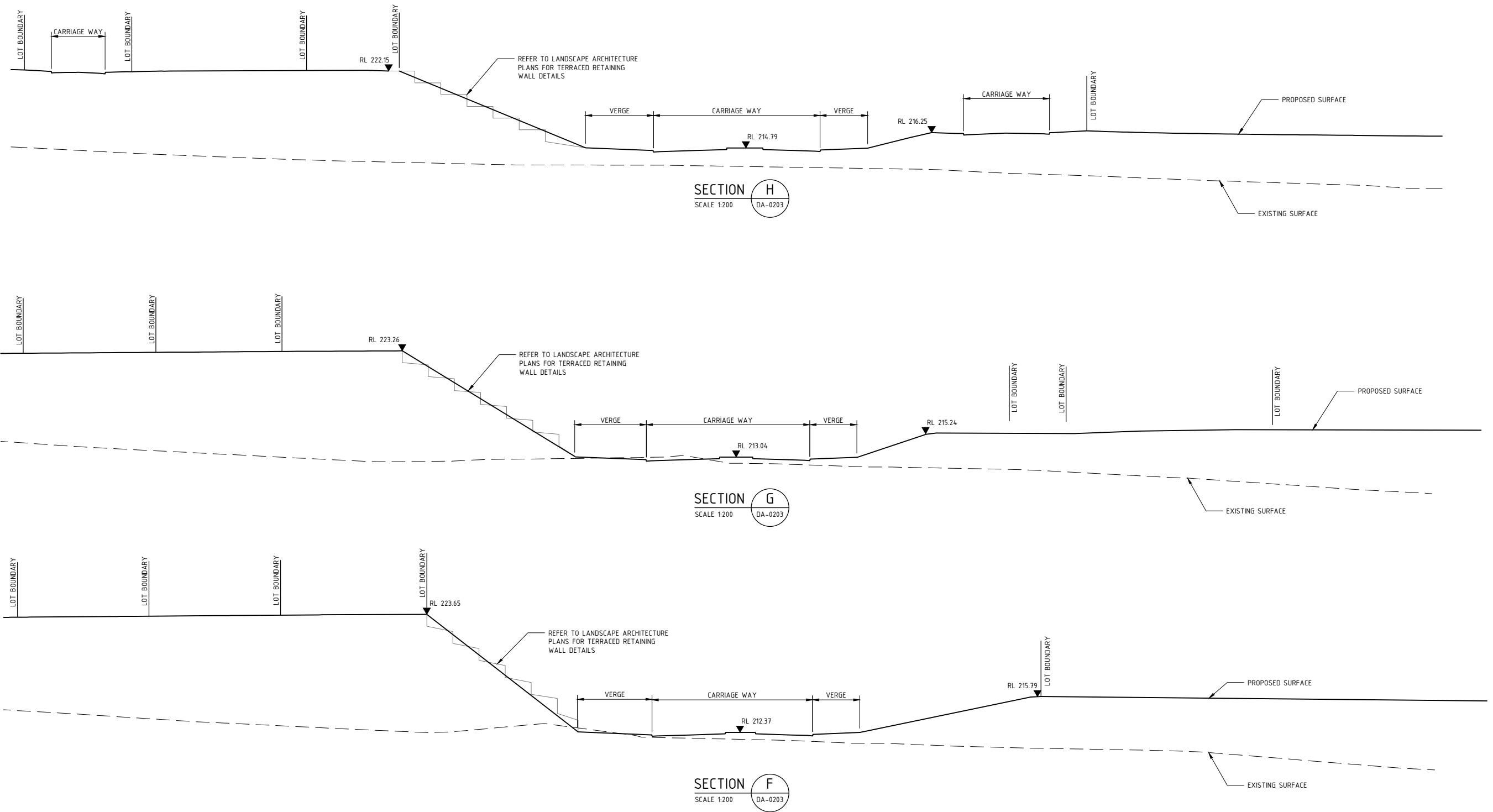
Sydney Office
22 & Wickham St Sydney NSW 2000
P/+61 2 9220 3300
E/Info@bgandepc.com.au



PROJECT
WILTON SOUTH EAST PRECINCT

ISSUED FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION							
DRAWN		DESIGNED		CHECKED		APPROVED	
TEJ		LM		TW		PH	
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TITLE PICKTON ROAD INTERFACE SECTIONS			
DRAWING No.		REV	
DA-0205		A	



REV	DATE	DESCRIPTION	REV	DATE	DESCRIPTION
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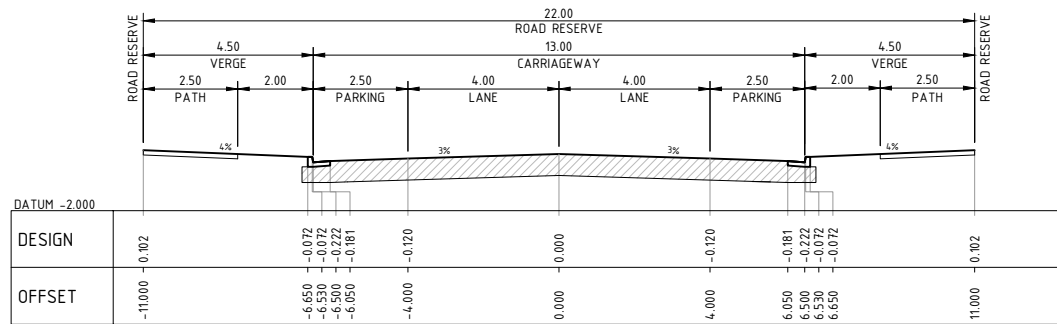
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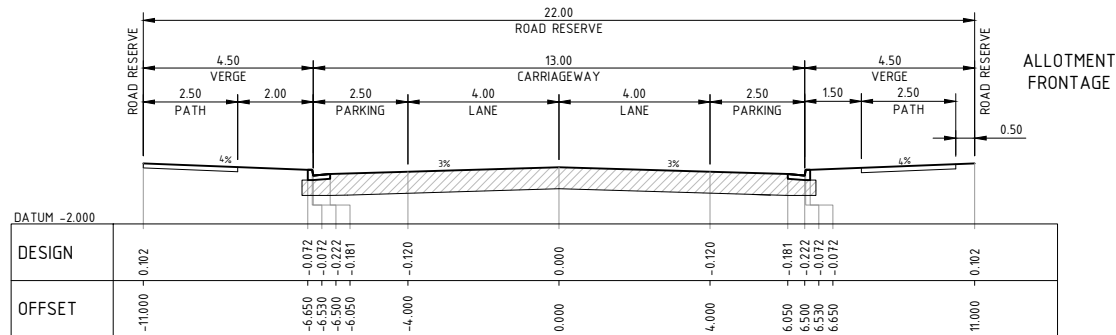
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PROJECT No.	DRAWING No.	REV
S17119	DA-0208	A

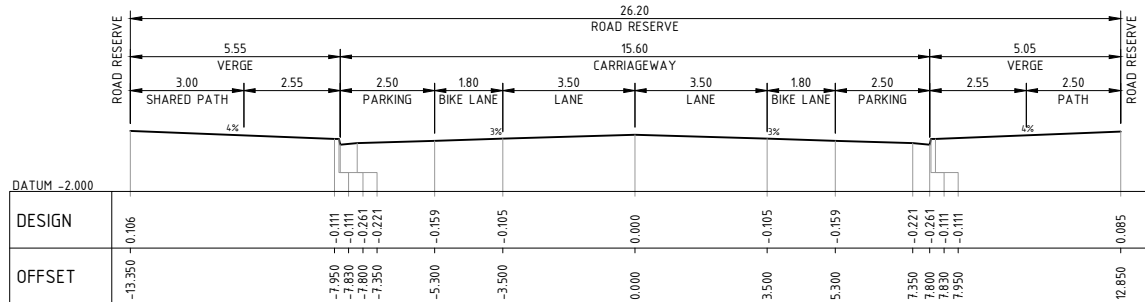
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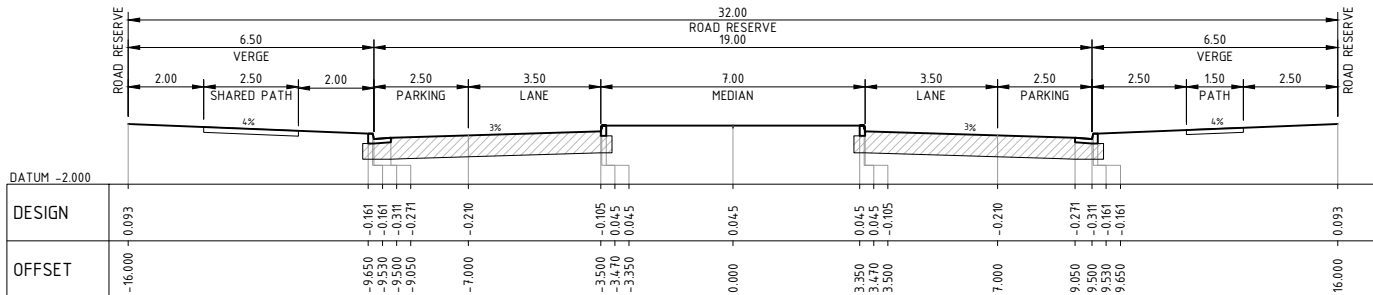
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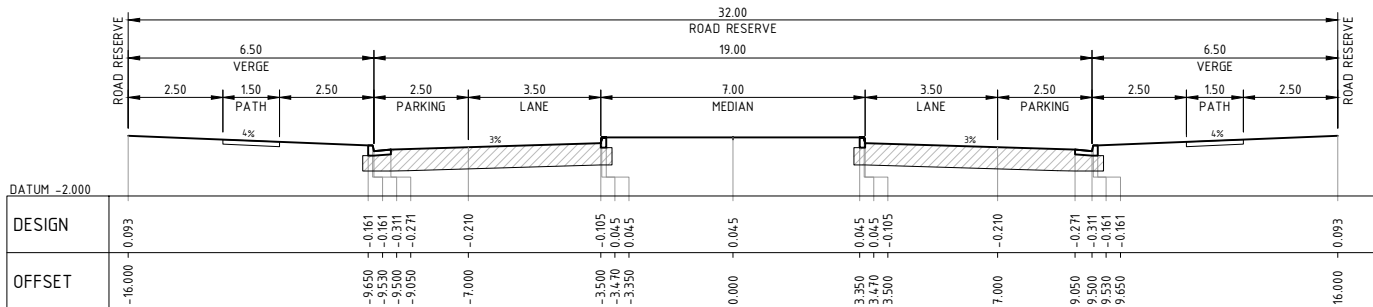
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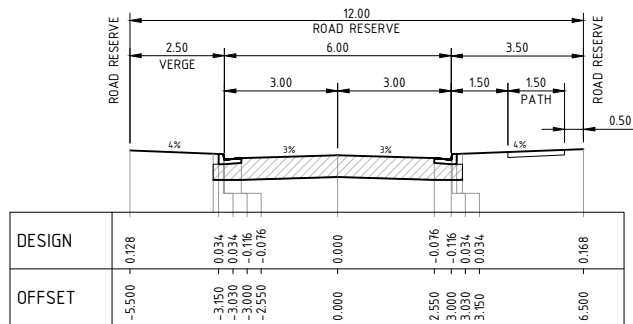
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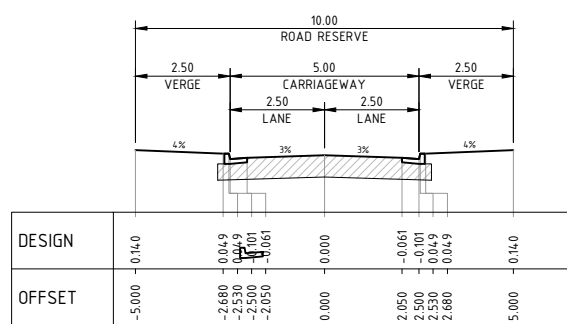
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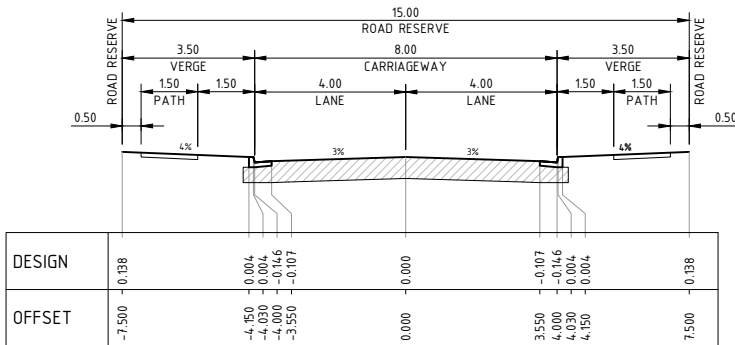
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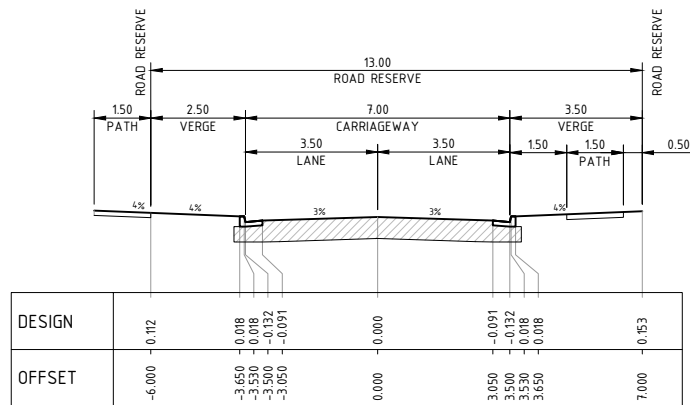
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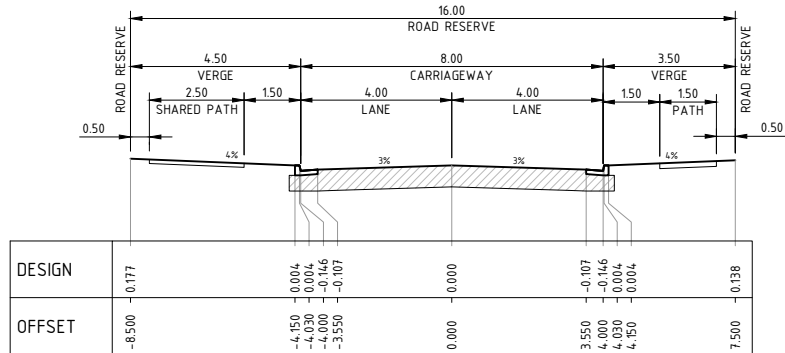
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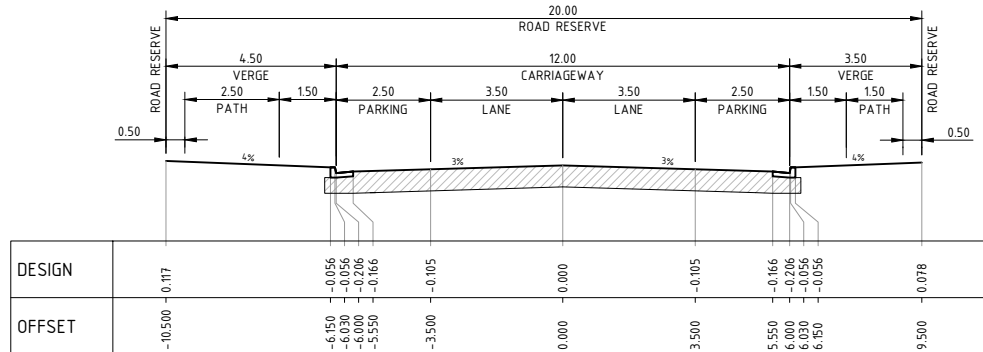
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SCALE : 1:100



TYPICAL SECTION FOR LOCAL STREET (13.0m OPEN SPACE)
SCALE : 1:100



TYPICAL SECTION FOR LOCAL STREET (16.0m)
SCALE : 1:100



TYPICAL SECTION FOR COLLECTOR STREET (20.0m)
SCALE : 1:100



REV	DATE	DESCRIPTION	RVD	REV	DATE	DESCRIPTION	RVD
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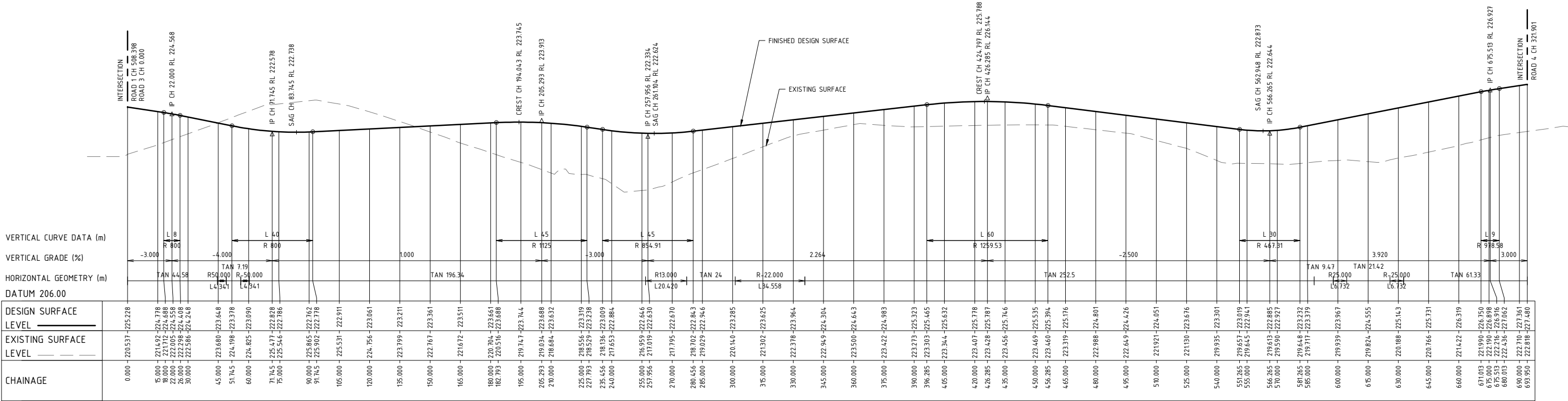
22 & Wickham St Sydney NSW 2000
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PROJECT
WILTON SOUTH EAST PRECINCT

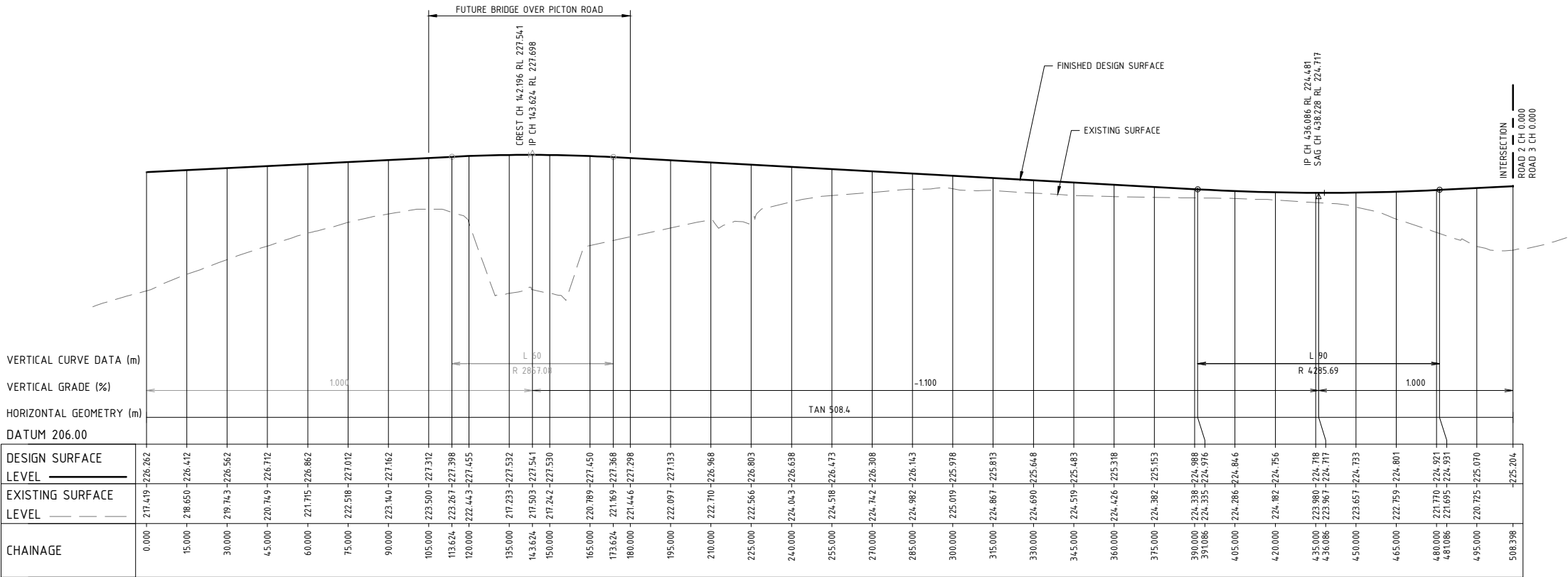
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TEJ	LM	TW	PH
DATUM	GRID	SCALE	AT
AHD	MGA	1:100	A1 SIZE

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PROJECT No.	DRAWING No.	REV
S17119	DA-0210	A



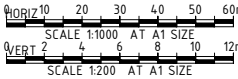
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SCALE HORIZ. 1:1000 VERT. 1:200

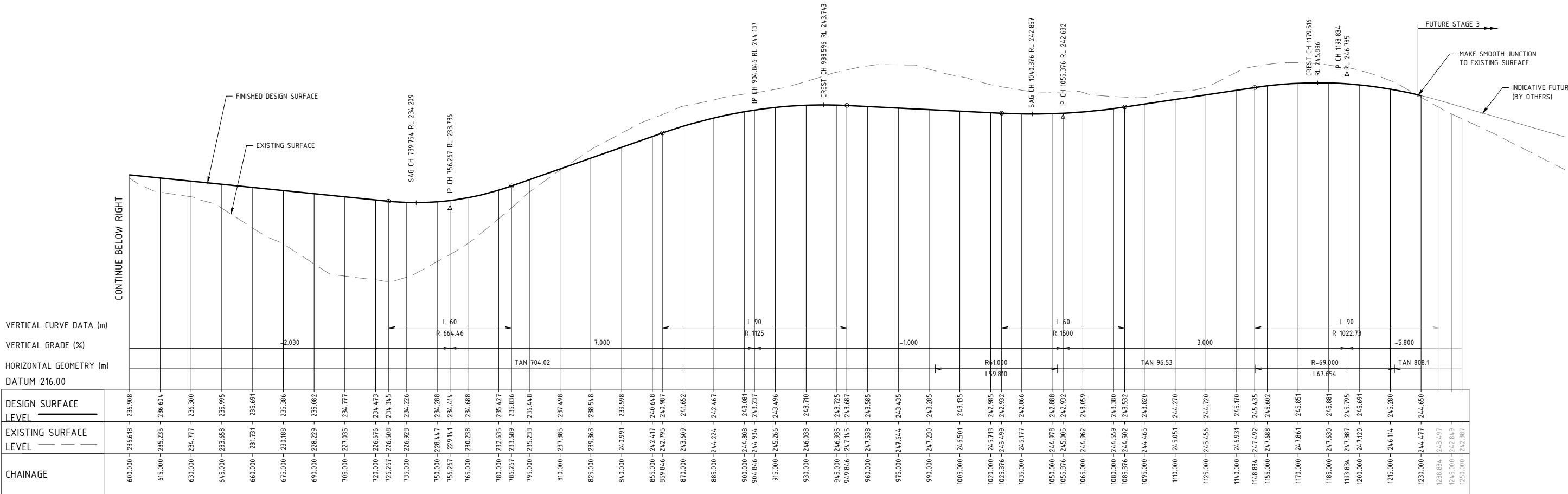


ROAD 1 LONGITUDINAL SECTION

SCALE HORIZ. 1:1000 VERT. 1:200

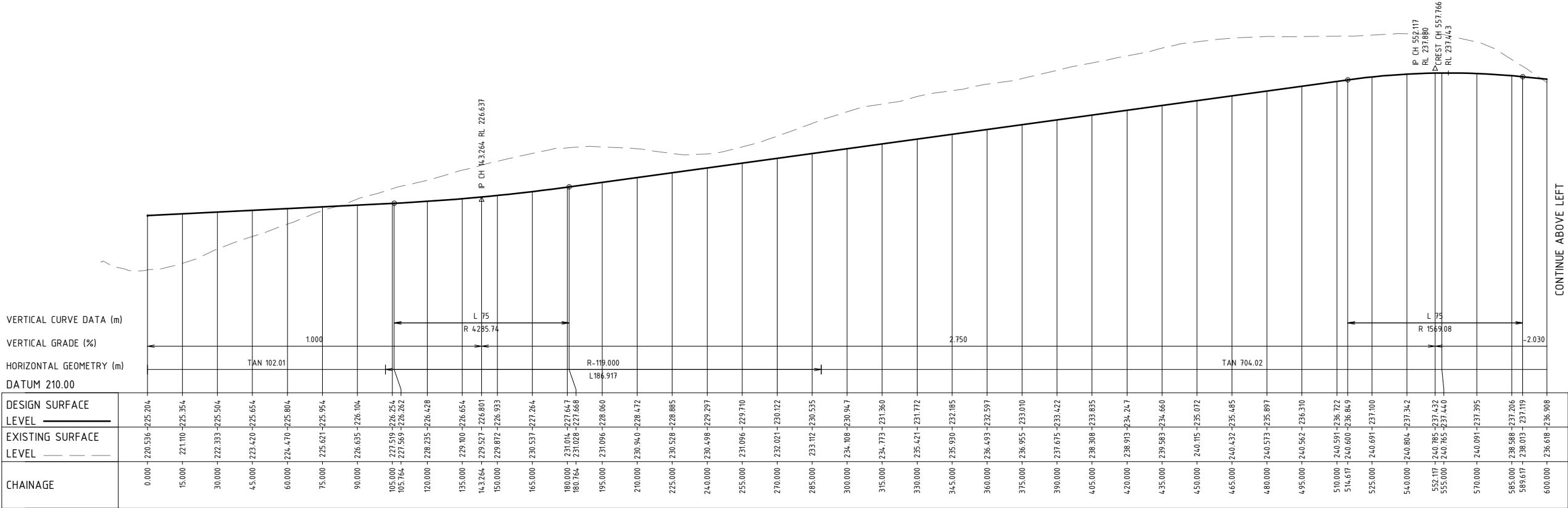


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										Telephone +61 8273 9600 Facsimile +61 8273 7400																				DRAWN										DESIGNED										CHECKED										APPROVED																			
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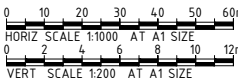
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SCALE HORIZ. 1:1000 VERT. 1:200



ROAD 3 LONGITUDINAL SECTION (CONTINUED ABOVE)

SCALE HORIZ. 1:1000 VERT. 1:200



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REV	DATE	DESCRIPTION	RVD	REV	DATE
REVISIONS			REVISIONS		

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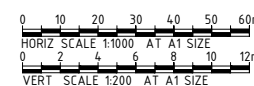
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PROJECT

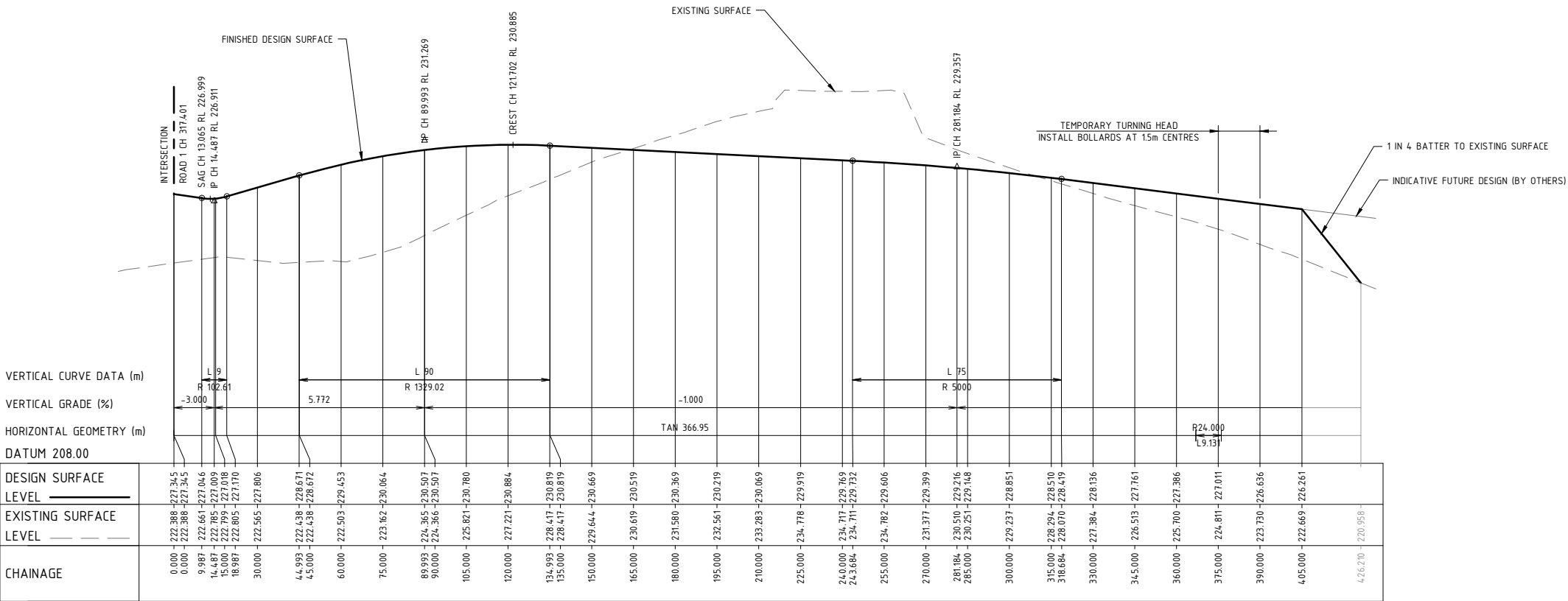
WILTON SOUTH EAST PRECINCT

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DATUM	GRID	SCALE	
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PROJECT No.	DRAWING No.	REV
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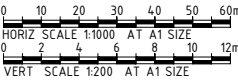


										Walker Corporation Level 21 Governor Macquarie Tower 1 Farrer Place, SYDNEY NSW 2000 Australia Telephone +61 8273 9600 Facsimile +61 8273 7400 Sydney Office 2/2 & Vicinity Sydney NSW 2000 P/402 2 9273 9600 F/402 2 9273 7400 BG &E WILTON SOUTH EAST PRECINCT <table><tr><td colspan="4">STATUS</td><td colspan="4">ISSUED FOR APPROVAL</td><td colspan="4">TITLE</td></tr><tr><td colspan="4"></td><td colspan="4">NOT TO BE USED FOR CONSTRUCTION</td><td colspan="4">LONGITUDINAL SECTION ROAD 4</td></tr><tr><td colspan="2">DRAWN</td><td colspan="2">DESIGNED</td><td colspan="2">CHECKED</td><td colspan="2">APPROVED</td><td colspan="2"></td><td colspan="2"></td></tr><tr><td colspan="2">TEJ</td><td colspan="2">LM</td><td colspan="2">TW</td><td colspan="2">PH</td><td colspan="2"></td><td colspan="2"></td></tr><tr><td colspan="2">DATE</td><td colspan="2">GND</td><td colspan="2">SCALE</td><td colspan="2">AS SHOWN</td><td colspan="2">AT</td><td colspan="2">A1</td></tr><tr><td colspan="2">AHD</td><td colspan="2">MGA</td><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td></tr><tr><td colspan="4">PROJECT No.</td><td colspan="4">S17119</td><td colspan="4">DRAWING No.</td></tr><tr><td colspan="4"></td><td colspan="4">DA-0222</td><td colspan="4">REV.</td></tr><tr><td colspan="4"></td><td colspan="4"></td><td colspan="4">A</td></tr></table>										STATUS				ISSUED FOR APPROVAL				TITLE								NOT TO BE USED FOR CONSTRUCTION				LONGITUDINAL SECTION ROAD 4				DRAWN		DESIGNED		CHECKED		APPROVED						TEJ		LM		TW		PH						DATE		GND		SCALE		AS SHOWN		AT		A1		AHD		MGA										PROJECT No.				S17119				DRAWING No.								DA-0222				REV.												A				<table><tr><td>A</td><td>31.05.2018</td><td>ISSUED FOR DA APPROVAL</td><td>TW</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>REV</td><td>DATE</td><td>DESCRIPTION</td><td>RVD</td><td>REV</td><td>DATE</td><td>DESCRIPTION</td><td>RVD</td><td></td><td></td></tr></table> REVISIONS REVISIONS										A	31.05.2018	ISSUED FOR DA APPROVAL	TW							REV	DATE	DESCRIPTION	RVD	REV	DATE	DESCRIPTION	RVD		
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ROAD 5 LONGITUDINAL SECTION

SCALE HORIZ. 1:1000 VERT. 1:200



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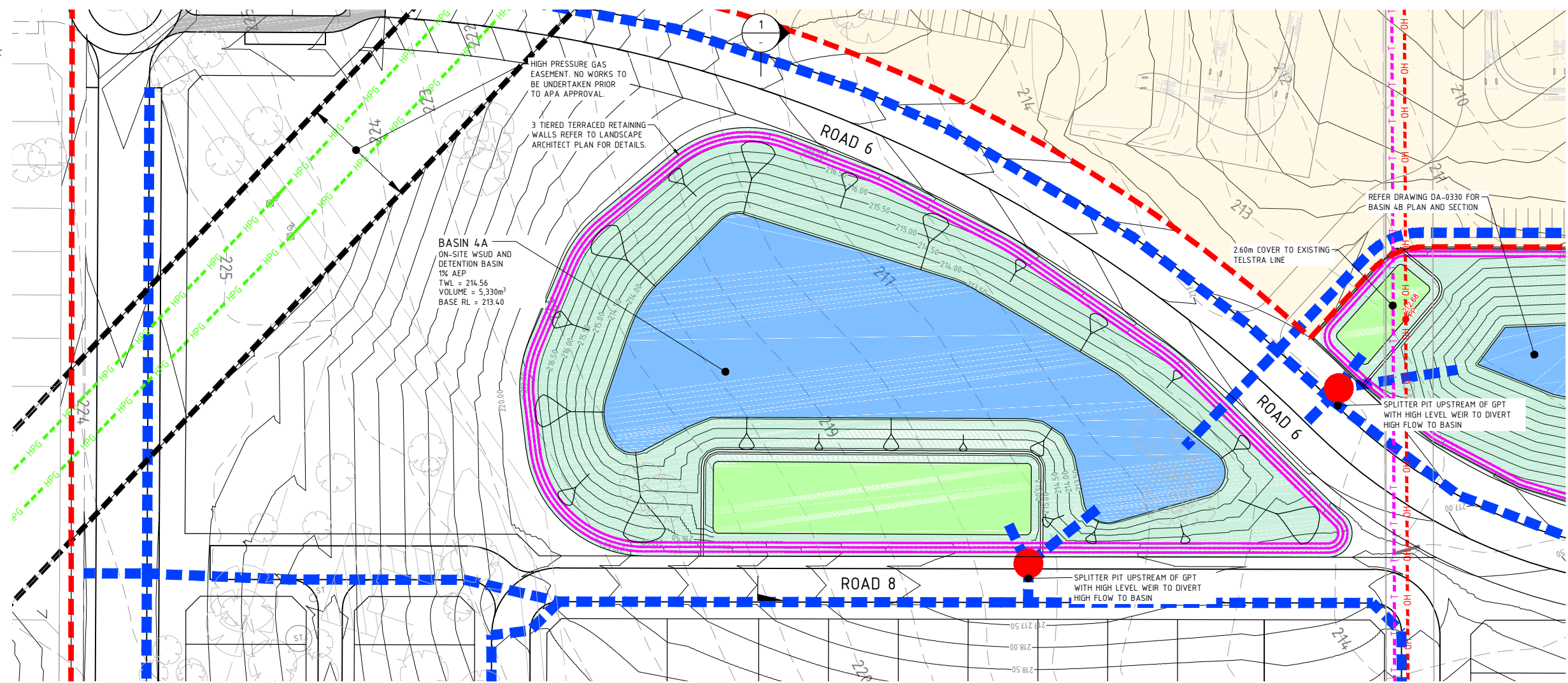
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PROJECT

WILTON SOUTH EAST PRECINCT

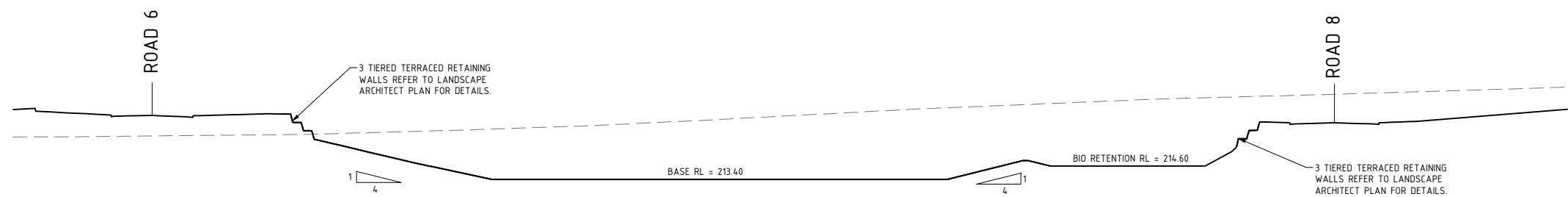
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PROJECT No.	DRAWING No.	REV
S17119	DA-0223	A

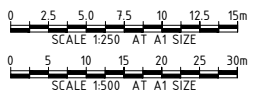


- LEGEND**
- 24.9 --- EXISTING SURFACE CONTOURS
 - 223 --- FINISHED DESIGN CONTOURS
 - DRAINAGE NETWORK
 - PROPOSED BIOFILTER AREA
 - PROPOSED BASIN AREA
 - PROPOSED GPT LOCATION
 - HPG EXISTING APA HIGH PRESSURE GAS MAIN
 - EXISTING TELSTRA CABLE

BASIN 4A PLAN
SCALE 1:500



SECTION 1
SCALE 1:250



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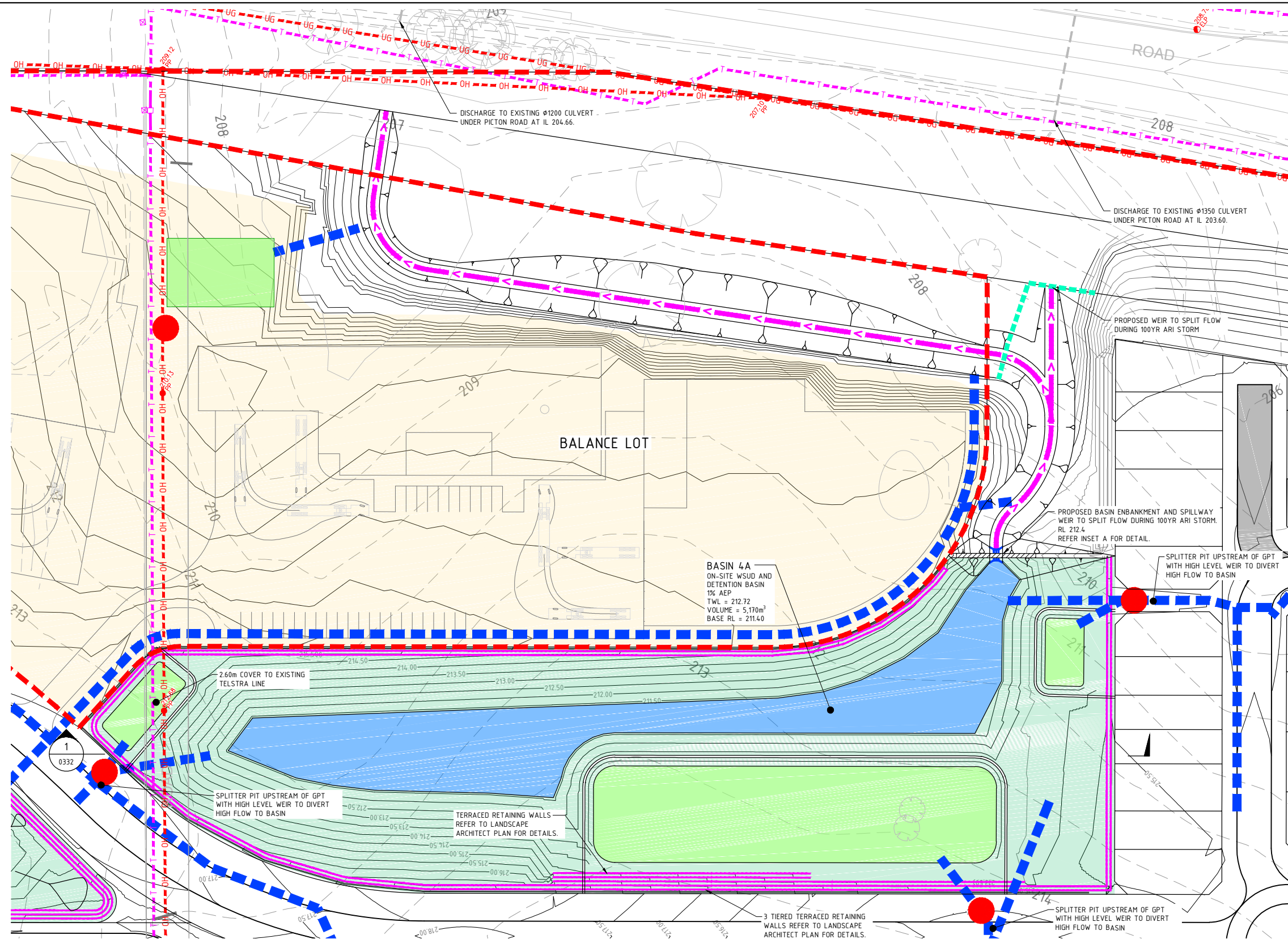
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-

BASIN 4B PLAN
SCALE 1:500

ROAD 6

3 TIERED TERRACED RETAINING WALLS REFER TO LANDSCAPE ARCHITECT PLAN FOR DETAILS.

1
4

SECTION

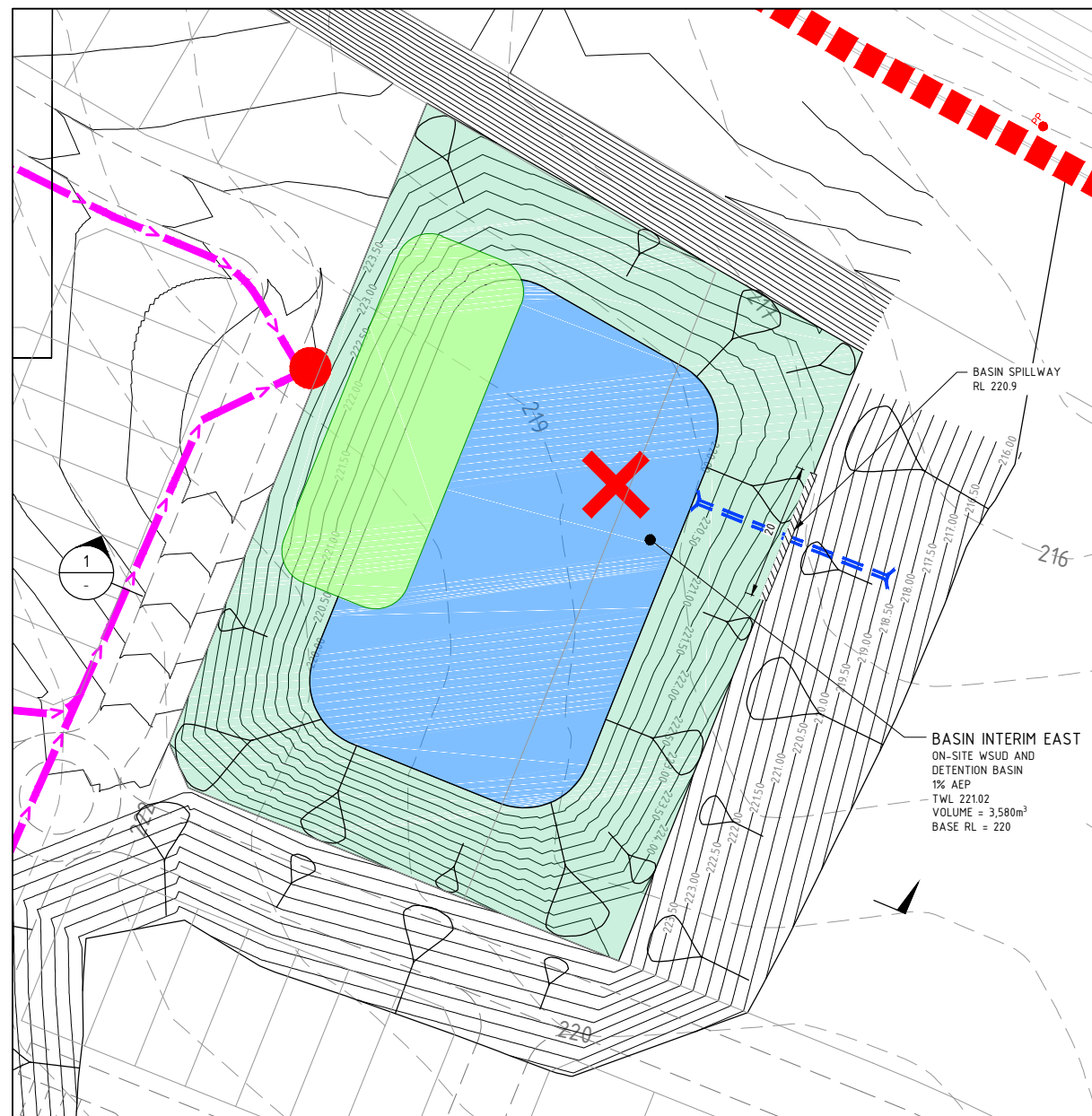
SCALE 1:500

1
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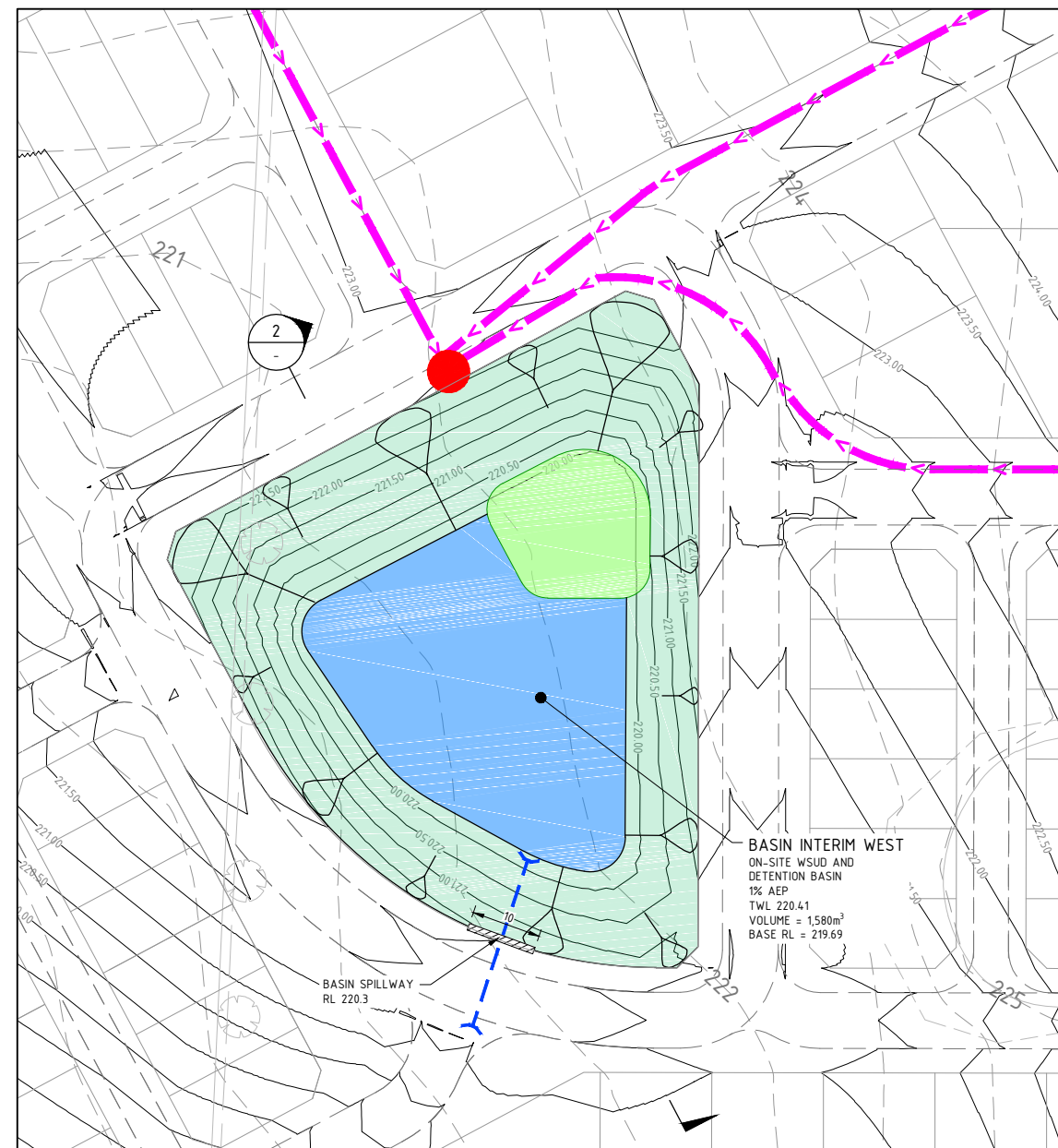
SECTION 1
SCALE 1:500

Figure 1.1 shows two graphical scales. The top scale is labeled 'SCALE 1:200 AT A1 SIZE' and has a length of 12m. It includes a graphical triangle with a height of 1 unit and a base of 17 units. The bottom scale is labeled 'SCALE 1:500 AT A1 SIZE' and has a length of 30m.

TITLE			
BASIN 4B PLAN AND SECTION			
PROJECT No.	DRAWING No.	REV.	
S17119	DA-0331	A	



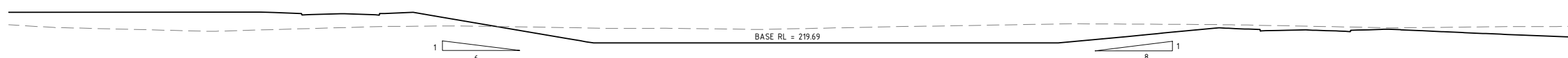
SCALE 1:500



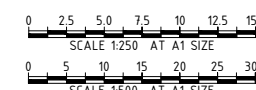
SCALE 1:500



SECTION 1
SCALE 1:250



SECTION 2
SCALE 1:250

[illegible]

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Sydney Office—
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 sydney.com



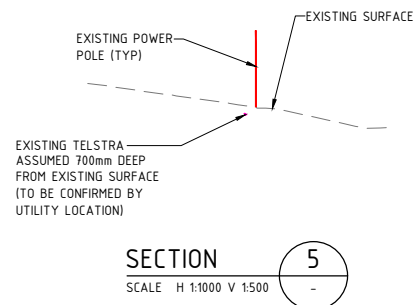
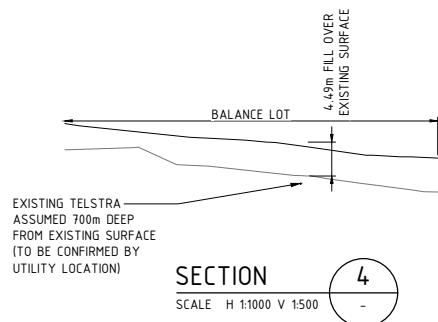
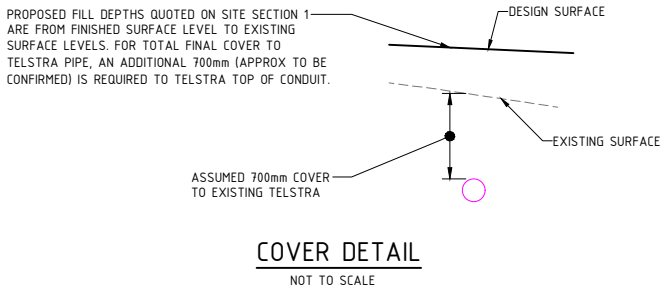
PROJECT

WILTON SOUTH EAST PRECINCT

T	STATUS			
	ISSUED FOR APPROVAL			
	NOT TO BE USED FOR CONSTRUCTION			
DRAWN		DESIGNED	CHECKED	APPROVED
TEJ		LM	TW	PH
DATE		GRID	SCALE	
AHD		MGA	1:250, 1:500	
			AT A1 S1	

TITLE	BASIN INTERIM EAST & WEST PLAN AND SECTION
-------	---

PROJECT No.	DRAWING No.	REV.
S17119	DA-0332	A



LEGEND

STAGE BOUNDARY

223 FINISHED DESIGN CONTOUR

EXISTING CONTOUR

OH EXISTING OVERHEAD ELECTRICITY

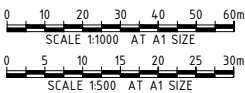
T EXISTING TELSTRA

EXISTING SURFACE LEVEL

FINISHED DESIGN LEVEL

EXISTING TELSTRA PIT LOCATION

CUT		FILL	
	CUT BETWEEN 0m-1m		FILL GREATER THAN 6m
	CUT BETWEEN 1m-2m		FILL BETWEEN 5m-6m
	CUT BETWEEN 2m-3m		FILL BETWEEN 4m-5m
	CUT BETWEEN 3m-4m		FILL BETWEEN 3m-4m
	CUT BETWEEN 4m-5m		FILL BETWEEN 2m-3m
	CUT BETWEEN 5m-6m		FILL BETWEEN 1m-2m
	CUT GREATER THAN 6m		FILL BETWEEN 0m-1m

[illegible]

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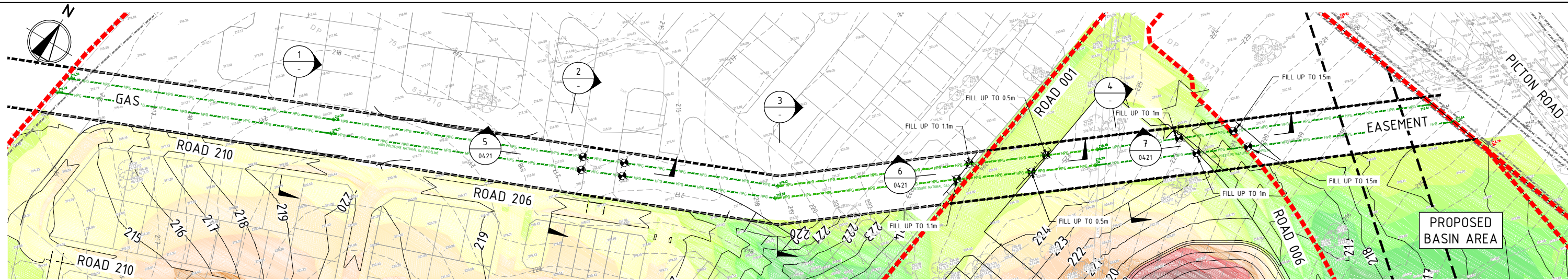
PROJECT

WILTON SOUTH EAST PRECINCT

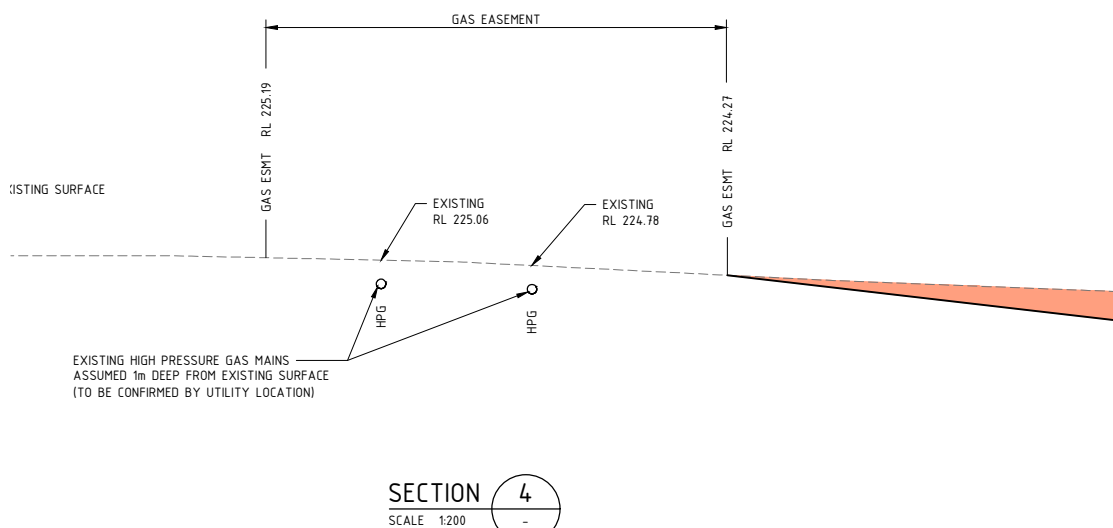
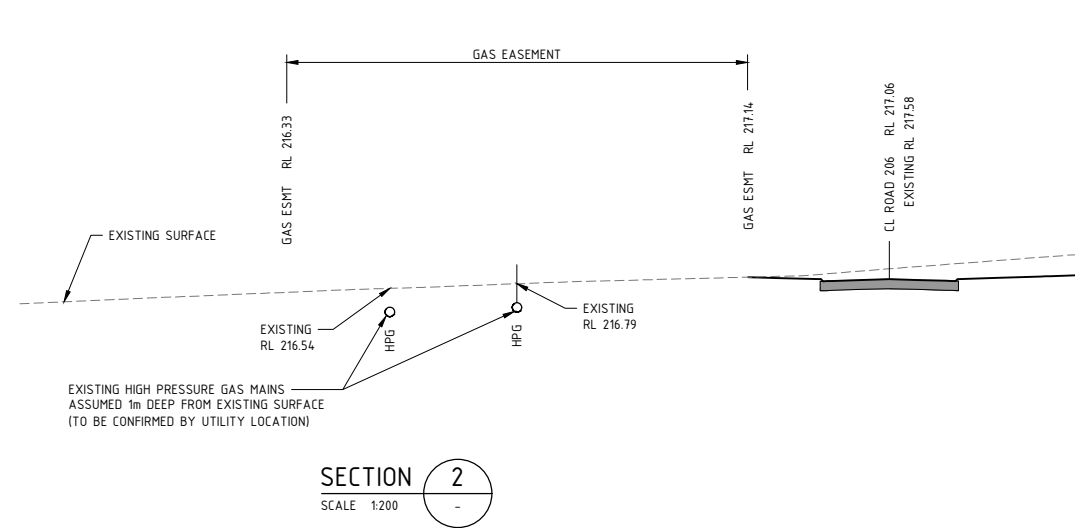
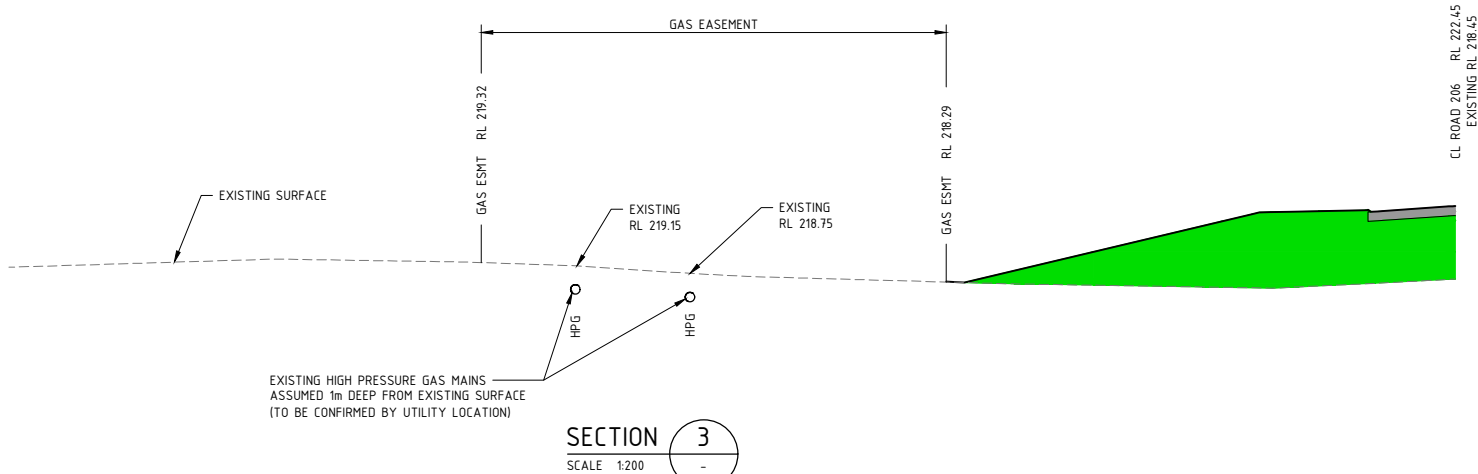
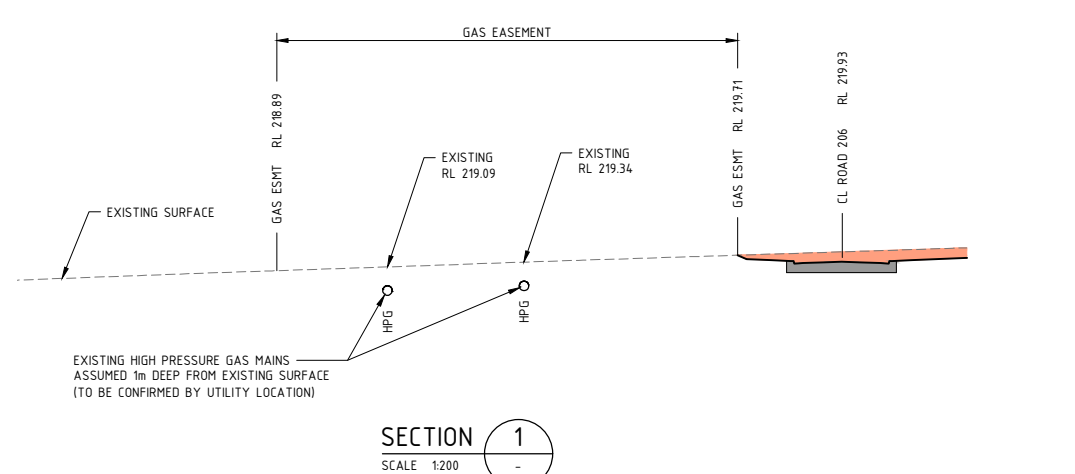
STATUS					ISSUED FOR APPROVAL				
NOT TO BE USED FOR CONSTRUCTION									
DRAWN		DESIGNED		CHECKED		APPROVED			
TEJ		LM		TW		PH			
DATUM		GRID		SCALE					
AHD		MGA		AS SHOWN				AT A1 SIZE	

TITLE
EXISTING UTILITIES
UNDERGROUND TELSTRA
PLAN AND SECTIONS

PROJECT No. S17119	DRAWING No. DA-0410	REV. A
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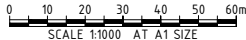


HIGH PRESSURE GAS MAIN PLAN
SCALE 1:1000



- LEGEND**
- STAGE BOUNDARY
 - 223 FINISHED DESIGN CONTOUR
 - 224 EXISTING CONTOUR
 - PROPOSED HIGH PRESSURE GAS MAIN POT HOLE LOCATION
 - EXISTING HIGH PRESSURE GAS MAIN
 - EXISTING SURFACE LEVEL
 - FINISHED DESIGN LEVEL

CUT		FILL	
[Color]	CUT BETWEEN 0m-1m	[Color]	FILL GREATER THAN 6m
[Color]	CUT BETWEEN 1m-2m	[Color]	FILL BETWEEN 5m-6m
[Color]	CUT BETWEEN 2m-3m	[Color]	FILL BETWEEN 4m-5m
[Color]	CUT BETWEEN 3m-4m	[Color]	FILL BETWEEN 3m-4m
[Color]	CUT BETWEEN 4m-5m	[Color]	FILL BETWEEN 2m-3m
[Color]	CUT BETWEEN 5m-6m	[Color]	FILL BETWEEN 1m-2m
[Color]	CUT GREATER THAN 6m	[Color]	FILL BETWEEN 0m-1m



REVISIONS				REVISIONS			
REV	DATE	DESCRIPTION	RVD	REV	DATE	DESCRIPTION	RVD
A	31.05.2018	ISSUED FOR DA APPROVAL	TW				

CLIENT

walker

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Facsimile +61 8273 7400

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22 & Wickham St Sydney NSW 2000
P: +61 2 9220 2200
E: info@bgandc.com.au

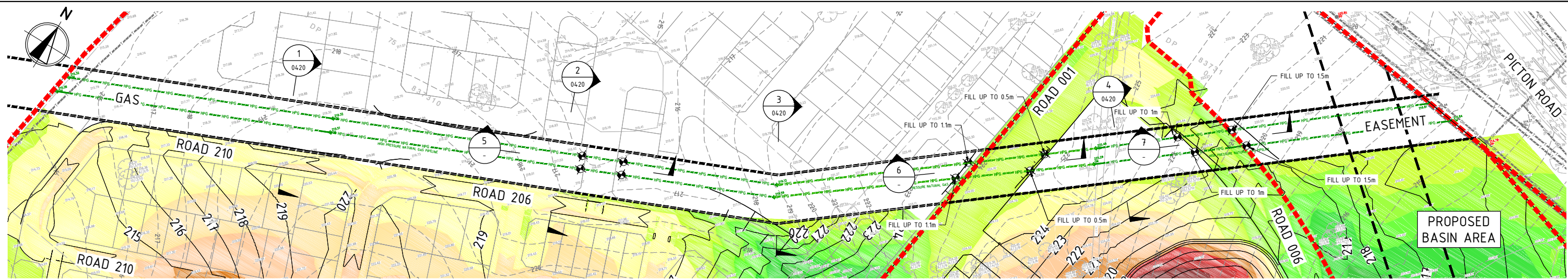
BG & E

PROJECT

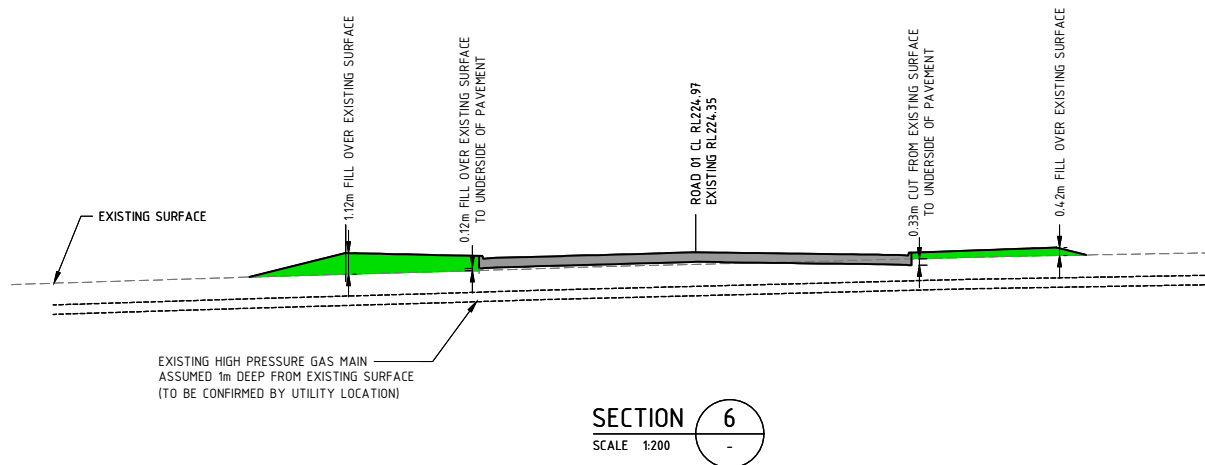
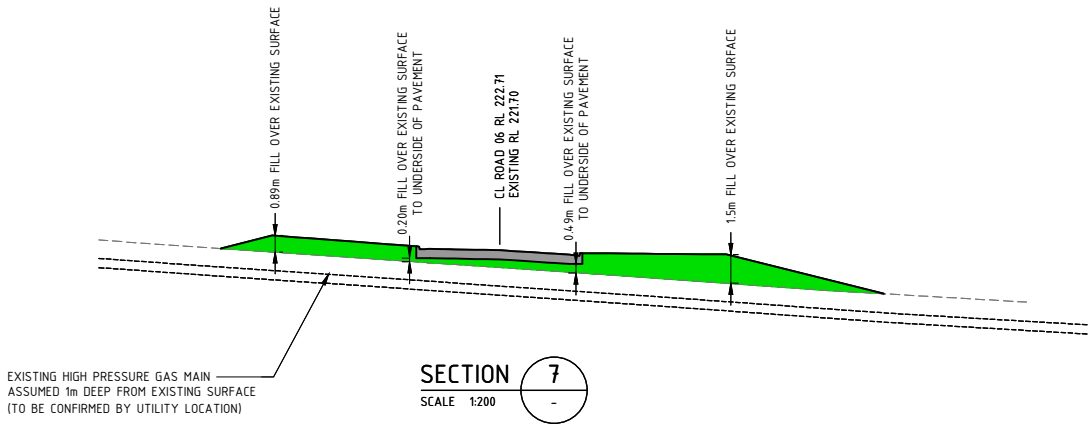
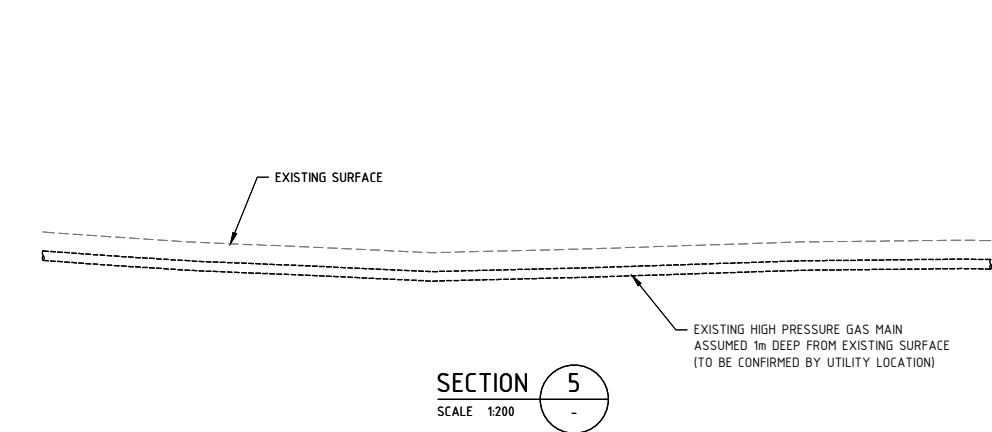
WILTON SOUTH EAST PRECINCT

ISSUED FOR APPROVAL			
NOT TO BE USED FOR CONSTRUCTION			
DRAWN	DESIGNED	CHECKED	APPROVED
TEJ	LM	TW	PH
DATUM	GRID	SCALE	
AHD	MGA	AS SHOWN	

EXISTING UTILITIES UNDERGROUND GAS PLAN AND DETAILS SHEET 1			
PROJECT No.	DRAWING No.	REV	
S17119	DA-0420	A	



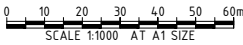
HIGH PRESSURE GAS MAIN PLAN
SCALE 1:1000



LEGEND

- STAGE BOUNDARY
- 223 FINISHED DESIGN CONTOUR
- 224 EXISTING CONTOUR
- PROPOSED HIGH PRESSURE GAS MAIN POTHOLE LOCATION
- EXISTING HIGH PRESSURE GAS MAIN
- EXISTING SURFACE LEVEL
- FINISHED DESIGN LEVEL

CUT		FILL	
	CUT BETWEEN 0m-1m		FILL GREATER THAN 6m
	CUT BETWEEN 1m-2m		FILL BETWEEN 5m-6m
	CUT BETWEEN 2m-3m		FILL BETWEEN 4m-5m
	CUT BETWEEN 3m-4m		FILL BETWEEN 3m-4m
	CUT BETWEEN 4m-5m		FILL BETWEEN 2m-3m
	CUT BETWEEN 5m-6m		FILL BETWEEN 1m-2m
	CUT GREATER THAN 6m		FILL BETWEEN 0m-1m



REV	DATE	DESCRIPTION	RVD	REV	DATE	DESCRIPTION	RVD
A	31.05.2018	ISSUED FOR DA APPROVAL	TW				
REVISIONS				REVISIONS			

CLIENT
walker
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Facsimile +61 8273 7400

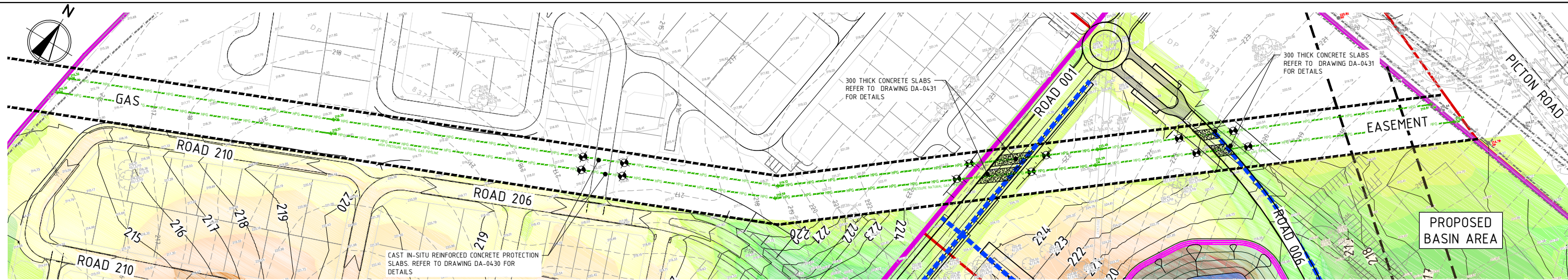
Sydney Office
22 & Wickham St Sydney NSW 2000
P: +61 2 9220 2200
E: info@bg&e.com.au



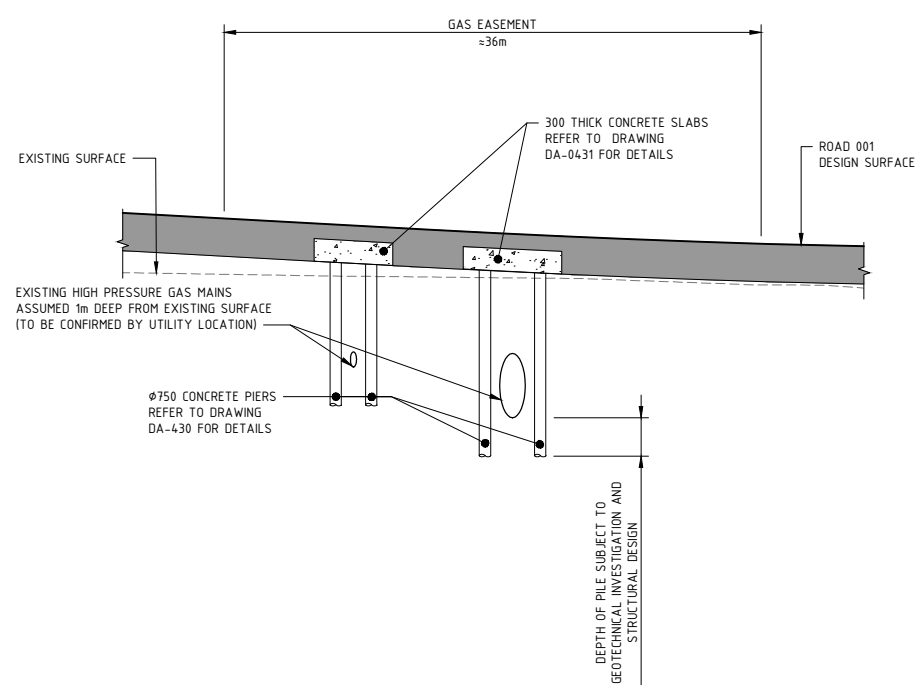
PROJECT
WILTON SOUTH EAST PRECINCT

STATUS			
ISSUED FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION			
DRAWN TEJ	DESIGNED LM	CHECKED TW	APPROVED PH
DATUM AHD	GRID MGA	SCALE AS SHOWN	AT A1 SIZE

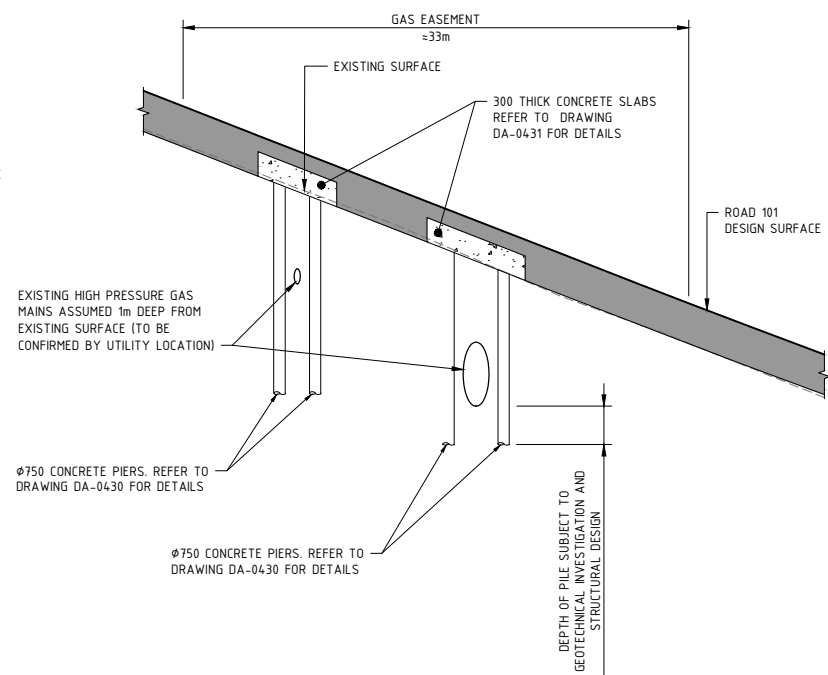
TITLE		
EXISTING UTILITIES UNDERGROUND GAS PLAN AND DETAILS SHEET 2		
PROJECT No. S17119	DRAWING No. DA-0421	REV A



HIGH PRESSURE GAS MAIN PLAN
SCALE 1:1000



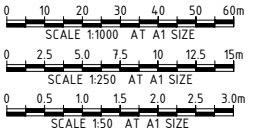
ROAD 001 PROFILE AND GAS EASEMENT
SCALE 1:250H 1:50V



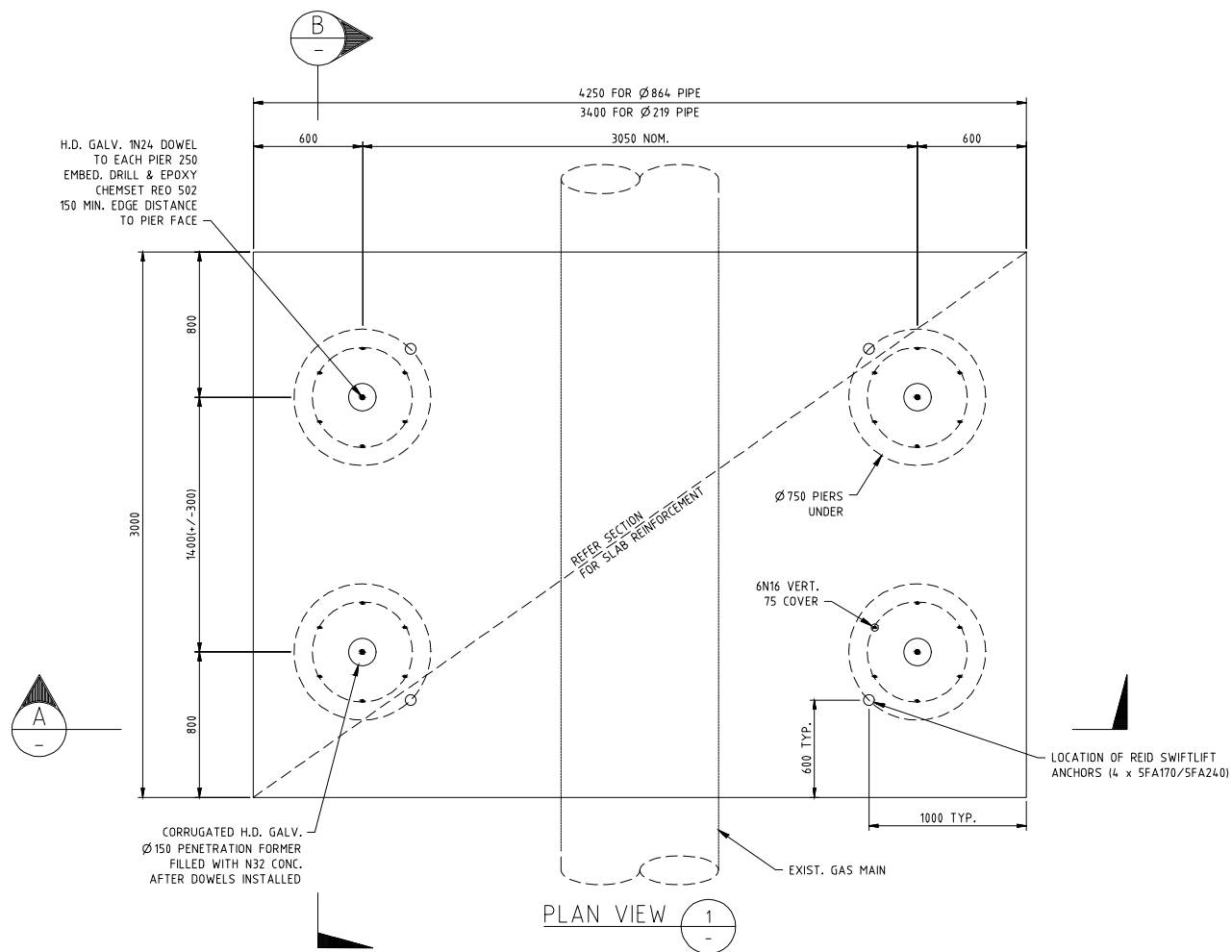
ROAD 006 PROFILE AND GAS EASEMENT
SCALE 1:250H 1:50V

- LEGEND
- STAGE BOUNDARY
 - 223 FINISHED DESIGN CONTOUR
 - 224 EXISTING CONTOUR
 - PROPOSED HIGH PRESSURE GAS MAIN POTHOLE LOCATION
 - EXISTING HIGH PRESSURE GAS MAIN
 - EXISTING SURFACE LEVEL
 - FINISHED DESIGN LEVEL

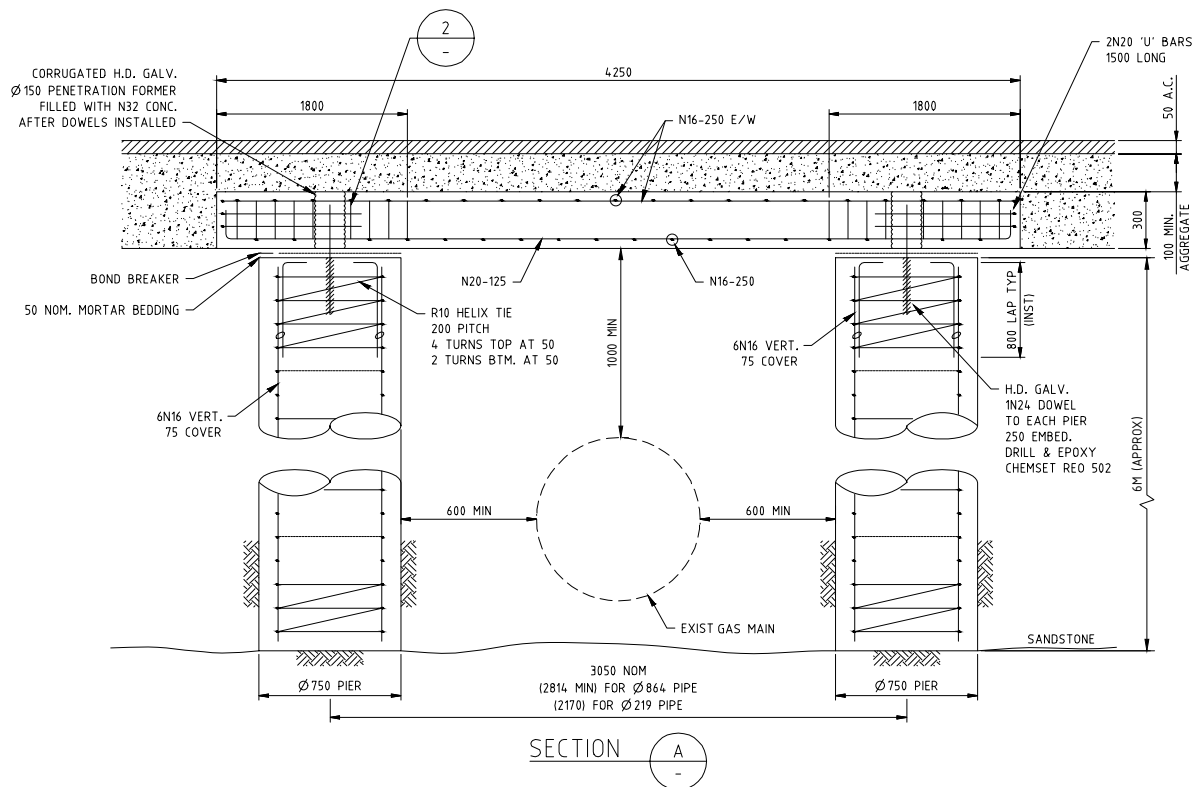
CUT		FILL	
[Color]	CUT BETWEEN 0m-1m	[Color]	FILL GREATER THAN 6m
[Color]	CUT BETWEEN 1m-2m	[Color]	FILL BETWEEN 5m-6m
[Color]	CUT BETWEEN 2m-3m	[Color]	FILL BETWEEN 4m-5m
[Color]	CUT BETWEEN 3m-4m	[Color]	FILL BETWEEN 3m-4m
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[Color]	CUT BETWEEN 5m-6m	[Color]	FILL BETWEEN 1m-2m
[Color]	CUT GREATER THAN 6m	[Color]	FILL BETWEEN 0m-1m



				CLIENT				PROJECT				STATUS				TITLE			
				Walker Corporation Level 21 Governor Macquarie Tower 1 Farrer Place, SYDNEY NSW 2000 Australia Telephone +61 8273 9600 Facsimile +61 8273 7400				Sydney Office 22 & Wickham St Sydney NSW 2000 P/46 2 9220 2200 E/Info@bg&e.com.au				ISSUED FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION				EXISTING UTILITIES UNDERGROUND GAS PLAN AND DETAILS SHEET 3			
REVISIONS				REVISIONS				WILTON SOUTH EAST PRECINCT				DRAWN TEJ				PROJECT No. S17119			
REV				REV				DESIGNED LM				DRAWING No. DA-0422				REV A			
DATE				DATE				CHECKED TW				AT A1 SIZE							
DESCRIPTION				DESCRIPTION				APPROVED PH											
RVD				RVD				SCALE AS SHOWN											



TYP. PROTECTION MODULE



SECTION A

GENERAL NOTES:

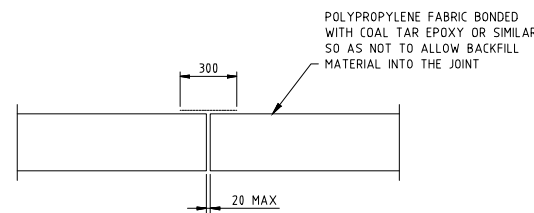
1. CONCRETE TO HAVE 28 DAY COMPRESSIVE STRENGTH OF 32MPa FOR PIERS, 50MPa FOR CROWN UNIT.
2. CROWN UNIT TO BE PLACED ON MORTAR BEDDING.
3. ALL DIMENSIONS IN mm UON.
4. SLAB LENGTH MIN 300mm LONG.
5. ALL REINFORCEMENT SHALL BE GRADE D500N COMPLYING WITH AS3600-2001.
6. PIPE PROTECTION STRUCTURE IS TO FOLLOW ALIGNMENT OF PIPE.
7. TOP AND BOTTOM REINFORCEMENT TO HAVE 30mm COVER.

DESIGN LOADS:

1. TRAFFIC LOADS:
 - × W80
 - × A160
 - × M1600
 - × S1600
 - × HLP320AS SPECIFIED IN AS5100
2. CONSTRUCTION LOADS:
 - × 637E SERIES 2 SCRAPER

DOWEL TOLERANCE:

N24 DOWELS TO ACHIEVE 150 EDGE DISTANCE TO PIER FACE AND 25 CLEARANCE TO CORRUGATED SLEEVE.



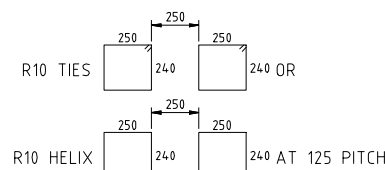
JOINT DETAIL BETWEEN CROWN UNITS

CROWN REMOVAL & REINSTATEMENT PROCEDURE:

1. INSTALL Ø100 VERTICAL CORE THROUGH CONCRETE SURROUNDING DOWELS AND CUT JOINTING MATERIAL.
2. LIFT CROWN.
3. REPLACE MORTAR BEDDING AND BOND BREAKER TO TOP OF PIER.
4. REPLACE CONCRETE FROM INSIDE CORRUGATED SLEEVES AND AROUND DOWELS.
5. REPLACE CROWN.
6. FILL CORRUGATED SLEEVES WITH N32 CONC.
7. REMOVE AND REPLACE JOINTING MATERIAL.

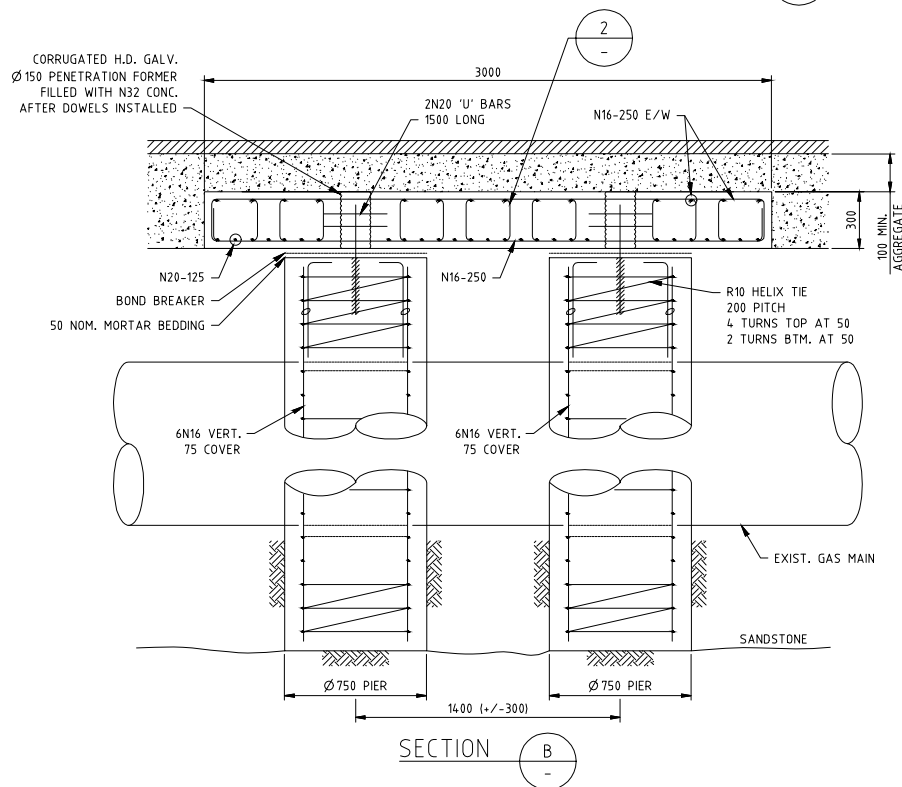
LIFTING NOTES:

1. CONCRETE STRENGTH AT TIME OF LIFT TO BE 15MPa.
2. LIFT TO BE MADE USING GANTRY CRANE IN THE YARD AND MOBILE HYDRAULIC CRANE ON SMOOTH, WELL COMPACTED TRACK ON-SITE.
3. DYNAMIC IMPACT FACTOR TAKEN AS Kd=1.7.
4. MINIMUM FACTOR OF SAFETY IS 2.5.
5. SLING ANGLE TO BE 60 DEGREES MAX. SLING LENGTHS SL=3.0m (4 OF TIED TO AN EQUALISING TRIANGLE). PLEASE NOTE THAT SHORT SLINGS MAY OVERLOAD THE LIFTING ANCHORS.
6. MASS OF THE UNITS CALCULATED AT CONCRETE DENSITY OF 24kN/m³ (9.37 TONNE FOR 4.25 x 3.0m UNIT).

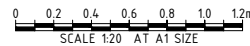


* TIES TO BE FULL LENGTH OF SLAB AND AT 500 CTRS

DETAIL 2



SECTION B



REV	DATE	DESCRIPTION	REV	DATE	DESCRIPTION
A	31.05.2018	ISSUED FOR DA APPROVAL			

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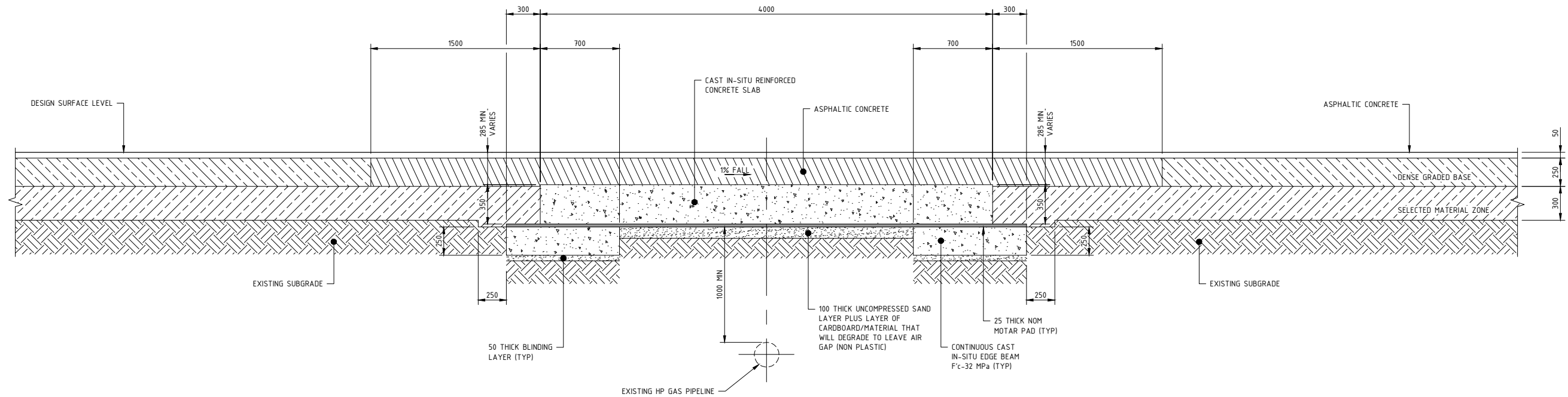
PROJECT
WILTON SOUTH EAST PRECINCT

STATUS			
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NOT TO BE USED FOR CONSTRUCTION			
DRAWN	DESIGNED	CHECKED	APPROVED
TEJ	LM	TW	PH
DATUM	GRID	SCALE	
AHD	MGA	AS SHOWN	

TITLE
PIPELINE PROTECTION
SLAB AND PIER DETAIL

PROJECT No.	DRAWING No.	REV
S17119	DA-0430	A

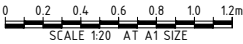
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TYPICAL PIPELINE PROTECTION DETAIL
SCALE 1:20

NOTES

1. DIMENSIONS ARE IN MILLIMETRES
2. CONCRETE EXPOSURE CLASSIFICATION: B2
3. CONCRETE MIX SHALL BE IN ACCORDANCE WITH RMS SPECIFICATION B80 ANNEXURE E, WITH A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 40MPa
4. MINIMUM COMPRESSIVE STRENGTH OF BLINDING LAYER SHALL BE 20MPa



REVISIONS				REVISIONS			
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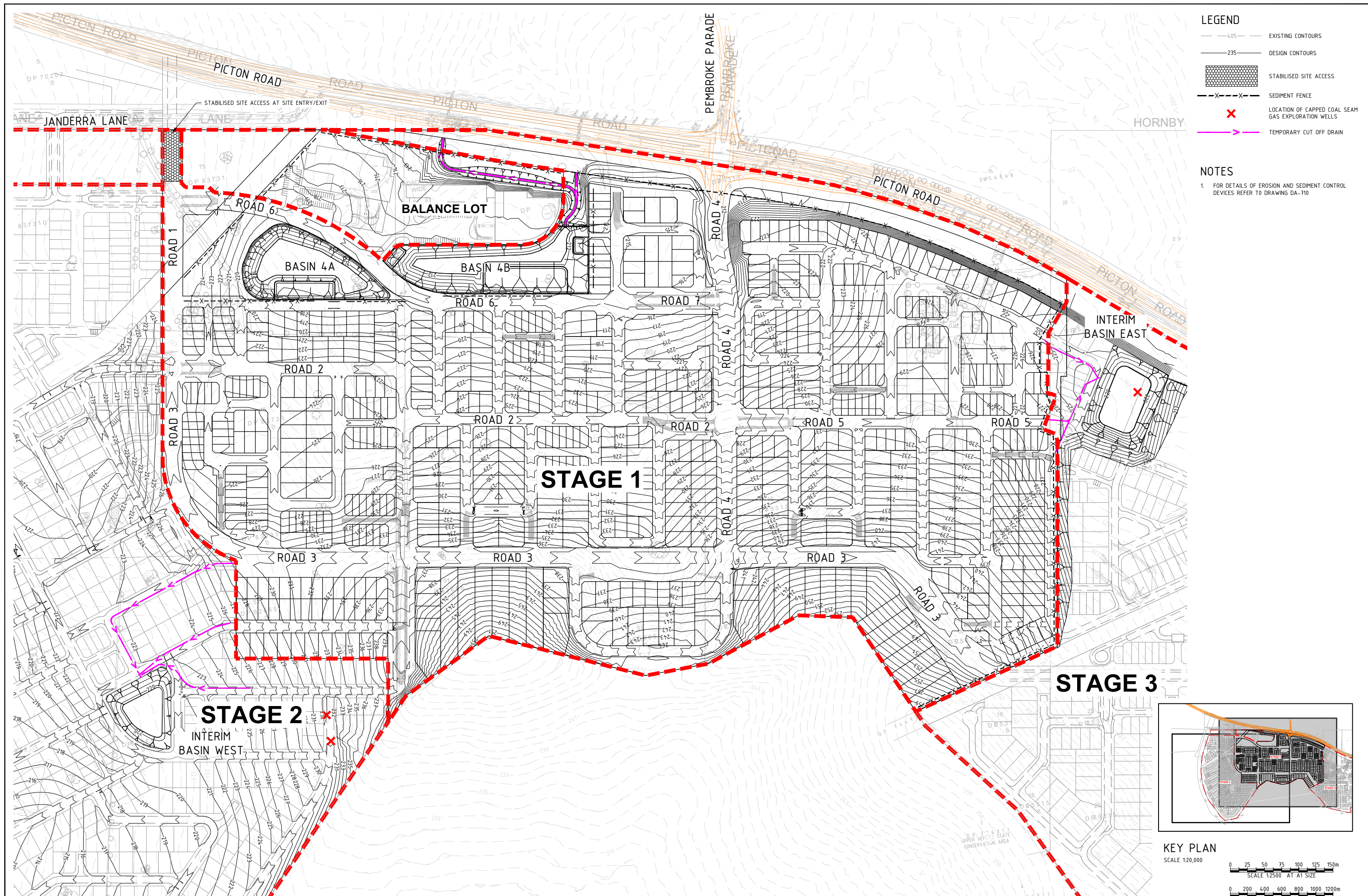
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2/2 St Vincent St Sydney NSW 2000
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PROJECT
WILTON SOUTH EAST PRECINCT

STATUS			
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TEJ	LM	TW	PH
DATUM	GRID	SCALE	
AHD	MGA	AS SHOWN	

TITLE		
TYPICAL PIPELINE PROTECTION SLAB DETAIL		
PROJECT No.	DRAWING No.	REV
S17119	DA-0431	A

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PROJECT

WILTON SOUTH EAST PRECINCT

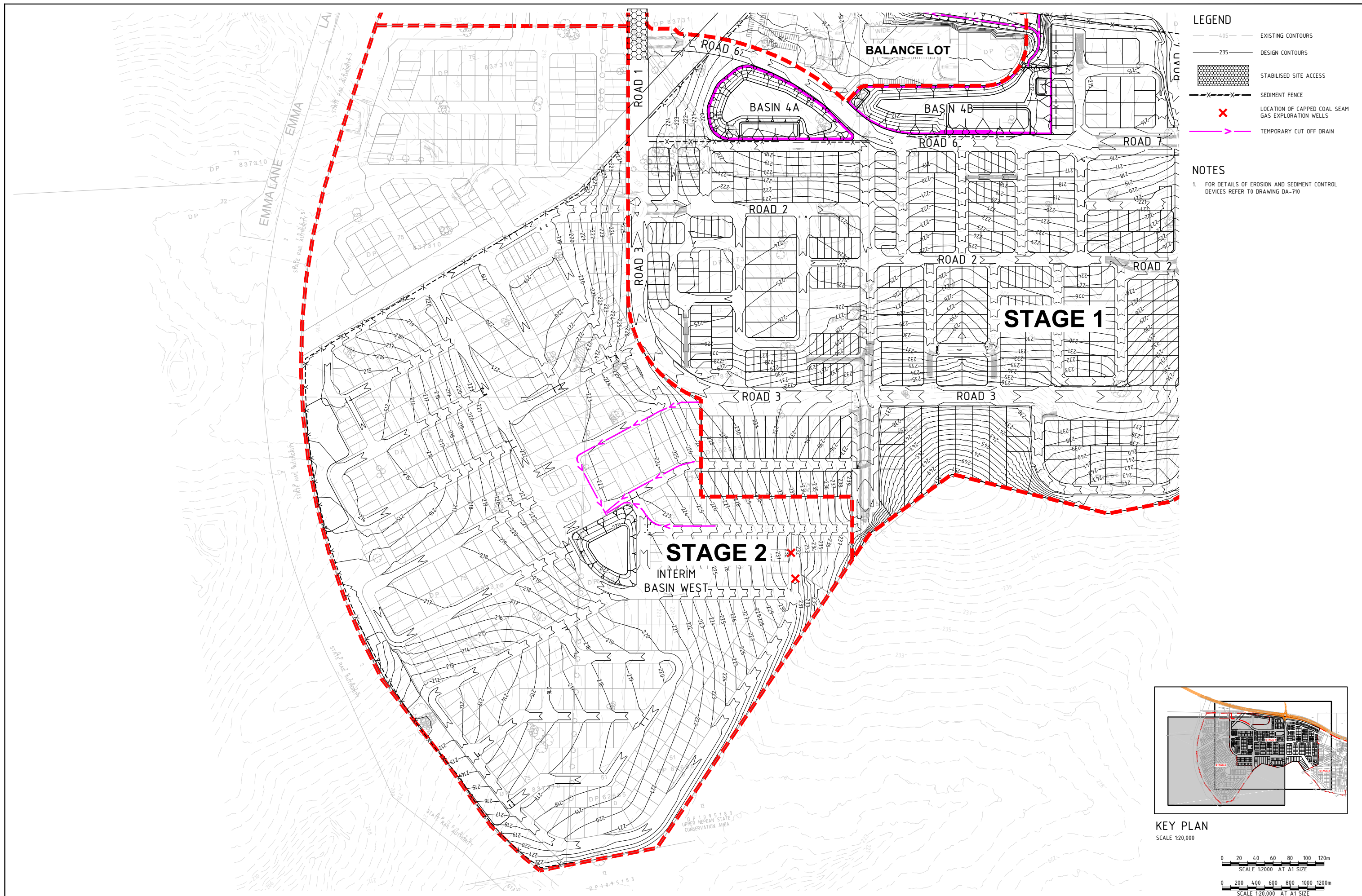
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		NOT TO BE USED FOR CONSTRUCTION

DRAWN	DESIGNED	CHECKED	APPROVED
TEJ	LM	TW	PH
DATUM	GRID	SCALE	
AHD	MGA	1:2000, 1:20000 AT A1	

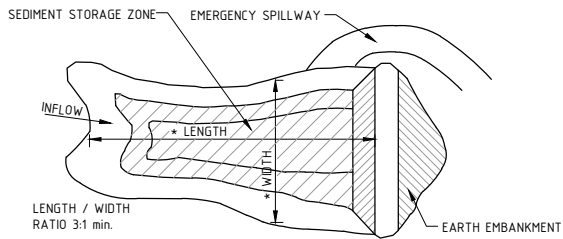
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PROJECT No.	DRAWING No.	REV.
S17119	DA-0701	A

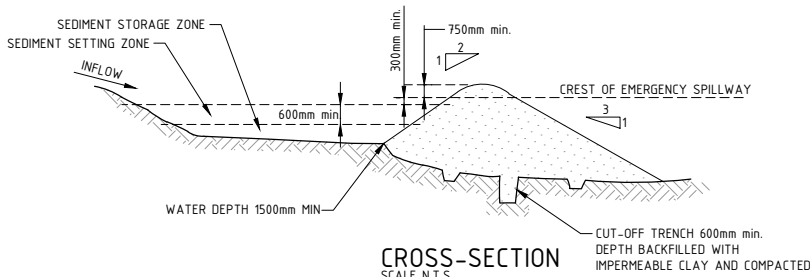
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										Telephone +61 8273 9600 Facsimile +61 8273 7400											
CLIENT										PROJECT		STATUS		TITLE							
WILTON SOUTH EAST PRECINCT										WILTON SOUTH EAST PRECINCT		ISSUED FOR APPROVAL		EROSION AND SEDIMENT CONTROL PLAN STAGE 2							
31.05.2018 ISSUED FOR DA APPROVAL TW REV DATE DESCRIPTION RVD										TEJ LM TW PH		PROJECT NO. S17119		DRAWING NO. DA-0702		REV. A					
REVISIONS										REVISIONS		REVISIONS		REVISIONS							



PLAN VIEW
SCALE N.T.S.

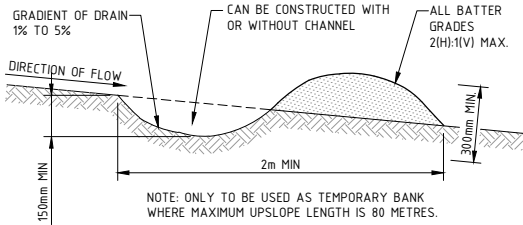


CROSS-SECTION
SCALE N.T.S.

EARTH BASIN WET CONSTRUCTION NOTES:

1. REMOVE ALL VEGETATION AND TOPSOIL FROM UNDER THE DAM WALL AND FROM WITHIN THE STORAGE AREA.
2. CONSTRUCT A CUT-OFF TRENCH 500mm DEEP AND 1,200mm WIDE ALONG THE CENTRELINE OF THE EMBANKMENT EXTENDING TO A POINT ON THE GULLY WALL LEVEL WITH THE RISER CREST.
3. MAINTAIN THE TRENCH FREE OF WATER AND RECOMPACT THE MATERIALS WITH EQUIPMENT AS SPECIFIED IN THE SWMP TO 95% STANDARD PROCTOR DENSITY.
4. SELECT FILL FOLLOWING THE SWMP THAT IS FREE OF ROOTS, WOOD, ROCK, LARGE STONE OR FOREIGN MATERIAL.
5. PREPARE THE SIRE UNDER THE EMBANKMENT BY RIPPING TO AT LEAST 100mm TO HELP BOND COMPACTED FILL TO THE EXISTING SUBSTRATE.
6. SPREAD THE FILL IN 100mm TO 150mm LAYERS AND COMPACT IT AT OPTIMUM MOISTURE CONTENT FOLLOWING THE SWMP.
7. CONSTRUCT THE EMERGENCY SPILLWAY.
8. REHABILITATE THE STRUCTURE FOLLOWING THE SWMP.

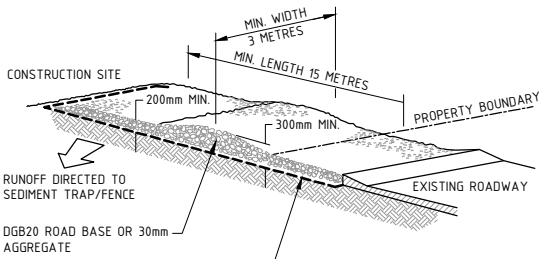
EARTH BASIN - WET
SCALE N.T.S



TEMPORARY CUT OFF DRAIN CONSTRUCTION NOTES:

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

TEMPORARY CUT OFF DRAIN
SCALE N.T.S



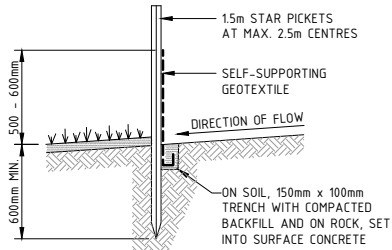
GEOTEXTILE FABRIC DESIGNED TO PREVENT INTERMIXING OF SUBGRADE AND BASE MATERIALS AND TO MAINTAIN GOOD PROPERTIES OF THE SUBBASE LAYERS.

GEOTEXTILE MAY BE A WOVEN OR NEEDLE-PUNCHED PRODUCT WITH A MINIMUM CBR BURST STRENGTH (AS3706.4-90) OF 2500 N.

STABILISED SITE ACCESS CONSTRUCTION NOTES:

1. STRIP THE TOPSOIL, LEVEL THE SITE AND COMPACT THE SUBGRADE.
2. COVER THE AREA WITH NEEDLE-PUNCHED GEOTEXTILE
3. CONSTRUCT A 200mm THICK PAD OVER THE GEOTEXTILE USING ROAD BASE OR 30mm AGGREGATE.
4. ENSURE THE STRUCTURE IS AT LEAST 15 METRES LONG OR TO BUILDING ALIGNMENT AND AT LEAST 3 METRES WIDE.
5. WHERE A SEDIMENT FENCE JOINS ONTO THE STABILISED ACCESS, CONSTRUCT A HUMP IN THE STABILISED ACCESS TO DIVERT WATER TO THE SEDIMENT FENCE.

STABILISED SITE ACCESS
SCALE N.T.S



SEDIMENT FENCE
SCALE N.T.S

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WILTON SOUTH EAST PRECINCT

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TEJ	LM	TW	PH	
DATUM	GRID	SCALE		
AHD	MGA	N.T.S	AT A1 SIZE	

EROSION AND SEDIMENT
CONTROL DETAILS

PROJECT No.	DRAWING No.	REV
S17119	DA-0710	A