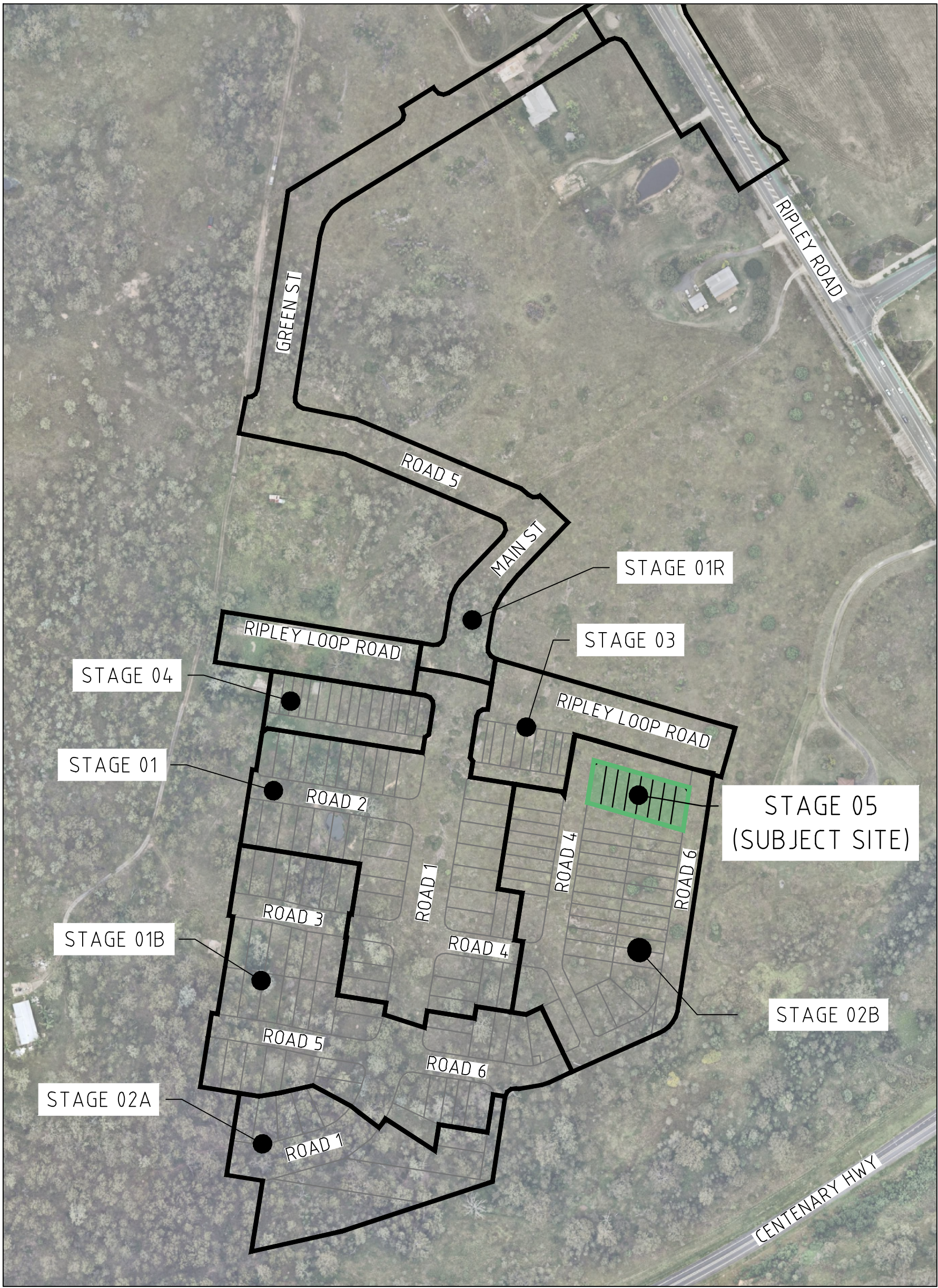


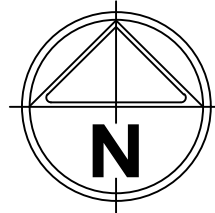
AMORY AT RIPLEY

STAGE 05

RIPLEY ESTATE DEVELOPMENT PTY LTD



LOCALITY PLAN
NTS



DRAWING SCHEDULE	
DRAWING	DESCRIPTION
GENERAL	
320678-005-CR100	DRAWING SCHEDULE & LOCALITY PLAN
320678-003-CR101	GENERAL NOTES & LEGEND
EARTHWORKS	
320678-005-CR200	EARTHWORKS LAYOUT PLAN
ROADWORKS	
320678-005-CR300	ROADWORKS STANDARD NOTES & DETAILS
320678-005-CR301	ROADWORKS LAYOUT PLAN
SAFETY IN DESIGN REPORT	
320678-005-CR900	SAFETY IN DESIGN REPORT



WARNING
BEWARE OF UNDERGROUND/OVERHEAD SERVICES
THE LOCATION OF SERVICES ARE APPROXIMATE ONLY. AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN. SPECIAL CONSIDERATION SHOULD BE GIVEN TO CONSTRUCTION PROCEDURES UNDER OVERHEAD ELECTRICITY TRANSMISSION LINES.

file name 320678-005-CR100.dwg layout name CR100

A	ISSUED FOR APPROVAL	K.H.	19-02-25
Rev	Amendments	Approved	Date



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Designed T.MULLEN	Checked K. HOWELLS
Authorised M. READMAN RPEQ 28295	Date FEBRUARY 25

AMORY AT RIPLEY
STAGE 05
DRAWING SCHEDULE & LOCALITY PLAN

IPSWICH CITY COUNCIL
RIPLEY ESTATE DEVELOPMENT PTY LTD

APPROVAL

Drg No
320678-005-CR100

Rev
A

NOTES:

GENERAL

1.

ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM
2.

ALL EXISTING SURFACE LEVELS SHOWN ON THE ENGINEERING DRAWINGS HAVE BEEN INTERPOLATED FROM A DIGITAL TERRAIN MODEL. THESE LEVELS HAVE BEEN USED AS THE BASIS FOR ALL ENGINEERING DESIGN AND DETERMINATION OF QUANTITIES AND ARE ACCURATE TO WITHIN ±0.05m.
3.

ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH AS2124-1992 GENERAL CONDITIONS OF CONTRACT, SPECIFICATIONS, APPROVED AUTHORITY SPECIFICATIONS AND STANDARD DRAWINGS, AUSTRALIAN STANDARDS AND TO THE SATISFACTION OF THE SUPERINTENDENT AND THE COUNCIL ENGINEER OR THEIR REPRESENTATIVE.
4.

ROAD CHAINAGES REFER TO ROAD CENTRELINES. CHAINAGES FOR INTERSECTIONS AND CUL-DE-SACS REFER TO THE LIP OF KERB.
5.

CONTRACTOR TO VERIFY LOCATION OF ALL EXISTING SURFACES AND CONNECTION POINTS INCLUDING CONNECTION LEVELS AND ADVISE THE SUPERINTENDENT OF ANY DISCREPANCIES PRIOR TO COMMENCEMENT ON SITE.
6.

ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE IMPLEMENTED IN ACCORDANCE WITH THE EROSION AND SEDIMENT CONTROL PLANS, BEST PRACTICE AND IN ACCORDANCE WITH INTERNATIONAL EROSION CONTROL ASSOCIATION PRACTICES AND GUIDELINES.
7.

PROJECT SURVEYOR SHALL PEG COMMON BOUNDARY WITH ADJOINING PROPERTIES.
8.

CONTRACTOR SHALL ASSESS LOCATION AND LEVEL OF ANY EXISTING FENCING AND RETAINING WALLS RELATIVE TO PROPOSED RETAINING WALL CONSTRUCTION.
9.

CONTRACTOR MUST PROVIDE TEMPORARY PROPPING AS NECESSARY TO ENSURE THAT PROPOSED CONSTRUCTION WORKS DO NOT CAUSE ANY DAMAGE OR DRAINAGE ISSUES TO EXISTING NEIGHBORING PROPERTIES.
10.

CONTRATOR TO PROVIDE DILAPIDATION REPORT OF ALL ASSETS IN THE VICINITY OF WORKS

EARTHWORKS

1.

ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM
2.

ALL EXISTING SURFACE LEVELS SHOWN ON THE ENGINEERING DRAWINGS HAVE BEEN INTERPOLATED FROM A DIGITAL TERRAIN MODEL. THESE LEVELS HAVE BEEN USED AS THE BASIS FOR ALL ENGINEERING DESIGN AND DETERMINATION OF QUANTITIES.
3.

THE CONTRACTOR SHALL ADVISE THE COUNCIL INSPECTOR OF THE PROPOSED SOURCE OF IMPORTED FILL TO BE BROUGHT ONTO THE DEVELOPMENT SITE AND PROVIDE CERTIFICATION (IF REQUESTED BY COUNCIL) FROM THE SUPPLIER / GEOTECHNICAL CONSULTANT.
4.

THE CONTRACTOR SHALL ALSO ADVISE THE COUNCIL INSPECTOR OF THE PROPOSED HAUL ROUTE TO BE TAKEN BY ANY TRUCKS DELIVERING FILL TO THE PROPOSED DEVELOPMENT SITE.
5.

IT IS THE PRINCIPAL CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT NO FILL MATERIAL IS DEPOSITED ONTO THE ROADS USED BY DELIVERY TRUCKS. ANY MATERIAL DEPOSITED ONTO ROADWAYS SHALL BE CLEANED AS NECESSARY TO AVOID CAUSING NUISANCE TO VEHICLE TRAFFIC.
6.

ALL WORK SHALL BE IN ACCORDANCE WITH IPSWICH CITY COUNCIL DESIGN STANDARDS.
7.

ALL EARTHWORKS & WORKS ASSOCIATED WITH PROPOSED DEVELOPMENT SHALL BE UNDERTAKEN IN STRICT ACCORDANCE WITH THE PROJECT SPECIFIC GEOTECHNICAL REPORT AND AS3978.
8.

WORKS MUST BE UNDERTAKEN IN ACCORDANCE WITH BUTLER PARTNERS REPORTS 010-218K - '633 RIPLEY ROAD' & '695 AND 787-815 RIPLEY ROAD' 31/01/2021
9.

WHERE NEW WORK ABUTS EXISTING WORK THE CONTRACTOR SHALL ENSURE THAT A SMOOTH EVEN PROFILE, FREE FROM ABRUPT CHANGES IS OBTAINED.
10.

THE PLACEMENT OF ALL FILL TO BE INSPECTED, TESTED AND CERTIFIED BY A GEOTECHNICAL ENGINEER TO A LEVEL 1 REQUIREMENT DURING THE EARTHWORKS OPERATIONS TO ENDURE THAT ALL FILL IS PLACED IN A "CONTROLLED MANNER", IN ACCORDANCE WITH AS3798 "GUIDELINES ON EARTHWORKS FOR COMMERCIAL AND RESIDENTIAL DEVELOPMENTS".
11.

THE CONTRACTOR IS RESPONSIBLE FOR ENGAGING A NATA ACCREDITED GEOTECHNICAL CONSULTANT TO SUPERVISE ALL EARTHWORKS PROCEDURES AND PROVIDE LEVEL 1 TESTING AND CERTIFICATION IN ACCORDANCE WITH THE REQUIREMENTS OF AS3798.
12.

STRIPPED TOPSOIL SHALL BE STOCKPILED WITHIN THE DEVELOPMENT SITE IN A POSITION APPROVED BY THE SUPERINTENDENT.
13.

ANY IMPORTED FILL SHALL BE APPROVED AND FREE OF ORGANIC MATTER WITH CERTIFICATES PROVIDED
14.

FILL SHALL BE PLACED IN MAXIMUM150mm LAYERS

LOCATION	MINIMUM DRY DENSITY RATIO (%)
BUILDING PADS	REFER SITE SPECIFIC GEOTECHNICAL REPORT RECOMMENDATIONS
ROADWAYS	
a) >0.5m BELOW PAVEMENT SUBGRADE	95 (Std.)
b) <0.5m BELOW PAVEMENT SUBGRADE	100 (Std.)
NOTE: THE RECOMMENDED COMPACTIONS ARE PERCENTAGES OF THE MAXIMUM DRY DENSITY DETERMINED BY AUSTRALIAN STANDARD 1289	

ROAD CONSTRUCTION

1.

CONCRETE WORKS TO BE CONSTRUCTED IN ACCORDANCE WITH AS3600 AND RELEVANT AUTHORITY STANDARDS.
2.

ONCE EXCAVATION TO SUBGRADE LEVEL HAS OCCURRED, CONTRACTOR TO PROVIDE CBR TEST RESULTS TO SUPERINTENDENT FOR FINAL PAVEMENT DESIGN CONFIRMATION.
3.

PRIOR TO PLACING EACH LAYER OF PAVEMENT, COMPACTION TEST RESULTS ARE TO BE PROVIDED TO SUPERINTENDENT FOR ACCEPTANCE.
4.

CONSTRUCTION OF KERB TO BE IN ACCORDANCE WITH RELEVANT COUNCIL STANDARDS.
5.

ALL SERVICE CONDUIT TRENCHES UNDER ROAD PAVEMENTS TO BE BACKFILLED IN ACCORDANCE WITH RELEVANT MUNICIPALITY OR ROAD AUTHORITY SPECIFICATION. TESTING TO OCCUR AT MINIMUM 40m INTERVALS- 1 TEST FOR EVERY 2 LAYERS.

LOCATION	DENSITY RATIO (%)	TYPE
PAVEMENT	95	MODIFIED MAXIMUM DRY DENSITY
ROADWAYS		
a) >0.5m BELOW PAVEMENT SUBGRADE	95	STANDARD MAXIMUM DRY DENSITY
b) <0.5m BELOW PAVEMENT SUBGRADE	100	

GENERAL STORMWATER DRAINAGE

1.

AG/SUBSOIL DRAIN TO BE LAID BEHIND KERB WHERE REQUIRED IN ACCORDANCE WITH THE COUNCIL STANDARD DRAWINGS AND CONNECTED TO UNDERGROUND DRAINAGE WITH CLEANOUTS AS REQUIRED.
2.

ALL STORMWATER DRAINS ARE TO BE CLASS '2' R.C. PIPES UNLESS OTHERWISE SHOWN.
3.

ALL PIPES ≤600 DIAMETER TO BE RUBBER RING JOINTED (R.R.J.) UNLESS STATED OTHERWISE. ALL OTHER PIPES TO BE FLUSH JOINTED (F.J) UNLESS STATED OTHERWISE.
4.

ALL DRAINAGE AND DRAINAGE STRUCTURES TO BE IN ACCORDANCE WITH COUNCIL STANDARDS WITH THE INSTALLATION OF HEAVY DUTY LIDS.
5.

CONCRETE WORKS TO BE CONSTRUCTED IN ACCORDANCE WITH AS3600 AND RELEVANT AUTHORITY STANDARDS.

PAVEMENT

1.

PAVEMENT DEPTHS MAY BE MODIFIED AS DIRECTED BY THE SUPERINTENDENT. PAVEMENT TO BE BOXED OUT TO MINIMUM DEPTH DENOTED, INSPECTED AND IF SUBGRADE IS IN QUESTION, FURTHER TESTING CARRIED OUT TO DETERMINE FINAL PAVEMENT DEPTH.
2.

WHERE PAVEMENT IS CONSTRUCTED ON FILLING, FILL MATERIAL IS TO BE APPROVED BY THE SUPERINTENDENT AND COUNCIL. FILLING TO BE CONSTRUCTED IN LAYERS 150mm THICK WITH COMPACTION ACHIEVING 95% AUSTRALIAN STANDARD DENSITY.
3.

WHEN PAVEMENT EXCAVATION IS IN ROCK ALL LOOSE MATERIAL (INCLUDING ROCKS AND CLAY) MUST BE REMOVED. THE SUB-GRADE MUST THEN BE REGULATED WITH COUNCIL APPROVED MATERIAL.

SIGNAGE AND LINEMARKING

1.

LINEMARKING AND SIGNAGE TO BE INSTALLED IN ACCORDANCE WITH AS 1742 SERIES UNLESS NOTED OTHERWISE. STREET SIGNS ARE TO BE INSTALLED IN ACCORDANCE WITH COUNCIL/AUTHROITY STANDARDS.
2.

ALL TEMPORARY WARNING SIGNS USED DURING CONSTRUCTION SHALL BE SUPPLIED AND MAINTAINED IN ACCORDANCE WITH AS 1742
3.

TACTILE GROUND SURFACE INDICATORS ARE TO BE INSTALLED IN ACCORDANCE WITH THE DISABILITY DISCRIMINATION ACT AND RELEVANT COUNCIL STANDARD DRAWINGS.

CONCRETE

1.

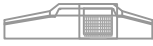
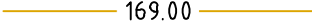
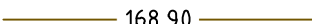
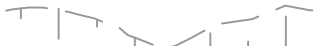
CONCRETE WORKS TO BE CONSTRUCTED IN ACCORDANCE WITH AS3600 AND RELEVANT AUTHORITY STANDARDS.

RETAINING WALLS

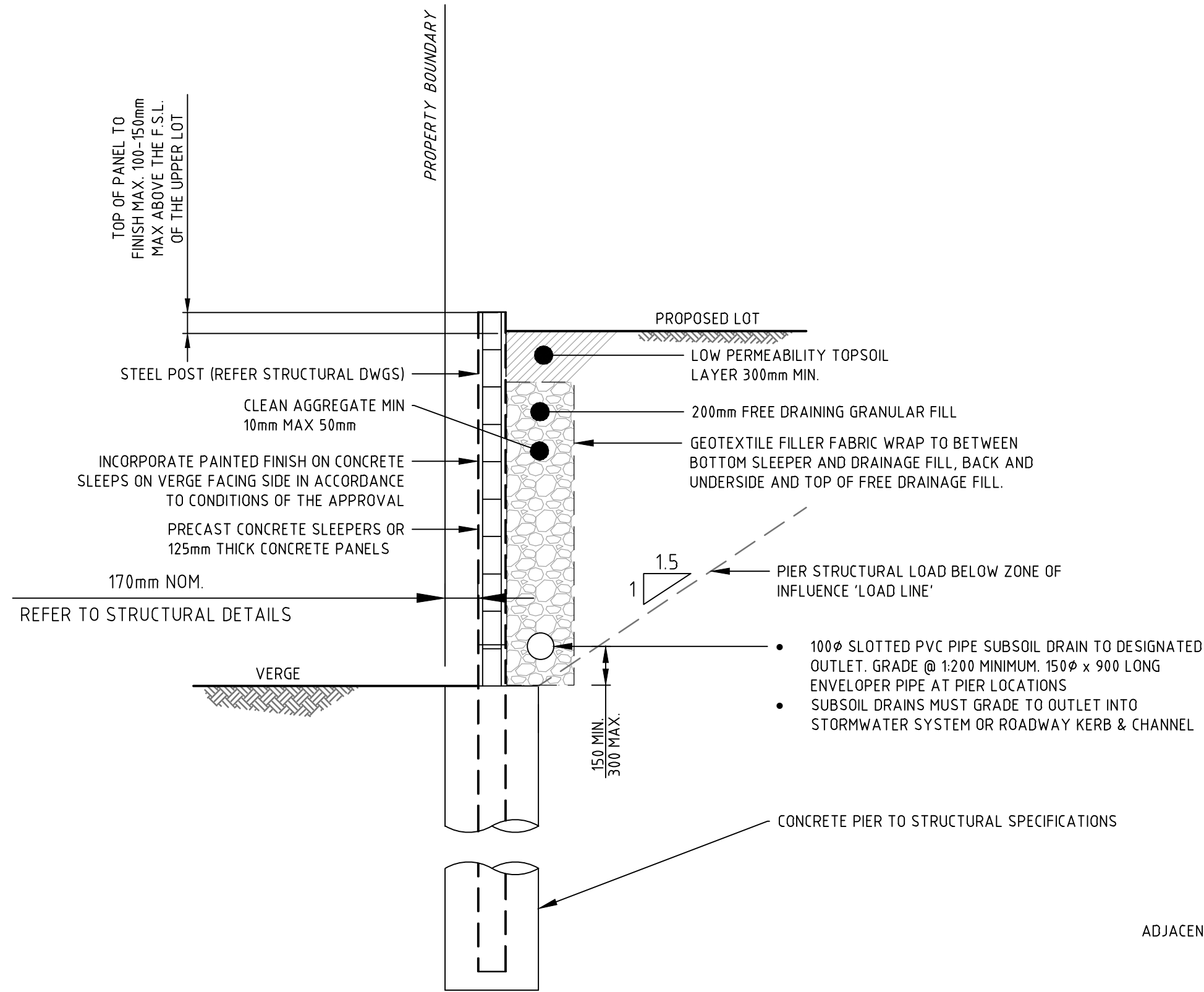
1.

RETAINING WALLS SHOWN ON THESE CIVIL DRAWINGS INDICATE ONLY THE RETAINING WALL TYPE, LOCATION, HEIGHT AND RELATIVITY TO BOUNDARIES OR OTHER KNOWN ELEMENTS. ALL RETAINING WALL STRUCTURAL AND OTHER SPECIFICATION SHALL BE DETAILED BY OTHERS. THE APPOINTED CONTRACTOR SHALL REVIEW ALL DEVELOPMENT APPROVAL CONDITIONS, PLANS AND SPECIFICATIONS TO ENSURE THAT ALL RETAINING WALL LOADS, ANCILLARY DRAINAGE (SUBSOIL & SURFACE DRAINAGE) AND CONSTRAINTS ARE ACCOMMODATED (INCLUDING ANY FUTURE FENCES WHICH MAY BE ATTACHED), AND SHALL SUPPLY THE SUPERVISING ENGINEER ALL POST-CONSTRUCTION CERTIFICATIONS NECESSARY FOR RELEVANT LOCAL AUTHORITY ACCEPTANCE. FOR WORKS WITHIN QUEENSLAND THIS SHALL INCLUDE (BUT NOT LIMITED TO) QUEENSLAND GOVERNMENT - "FORM 15" AND "FORM 12" CERTIFIED BY AN R.P.E.Q. ENGINEER.

LEGEND

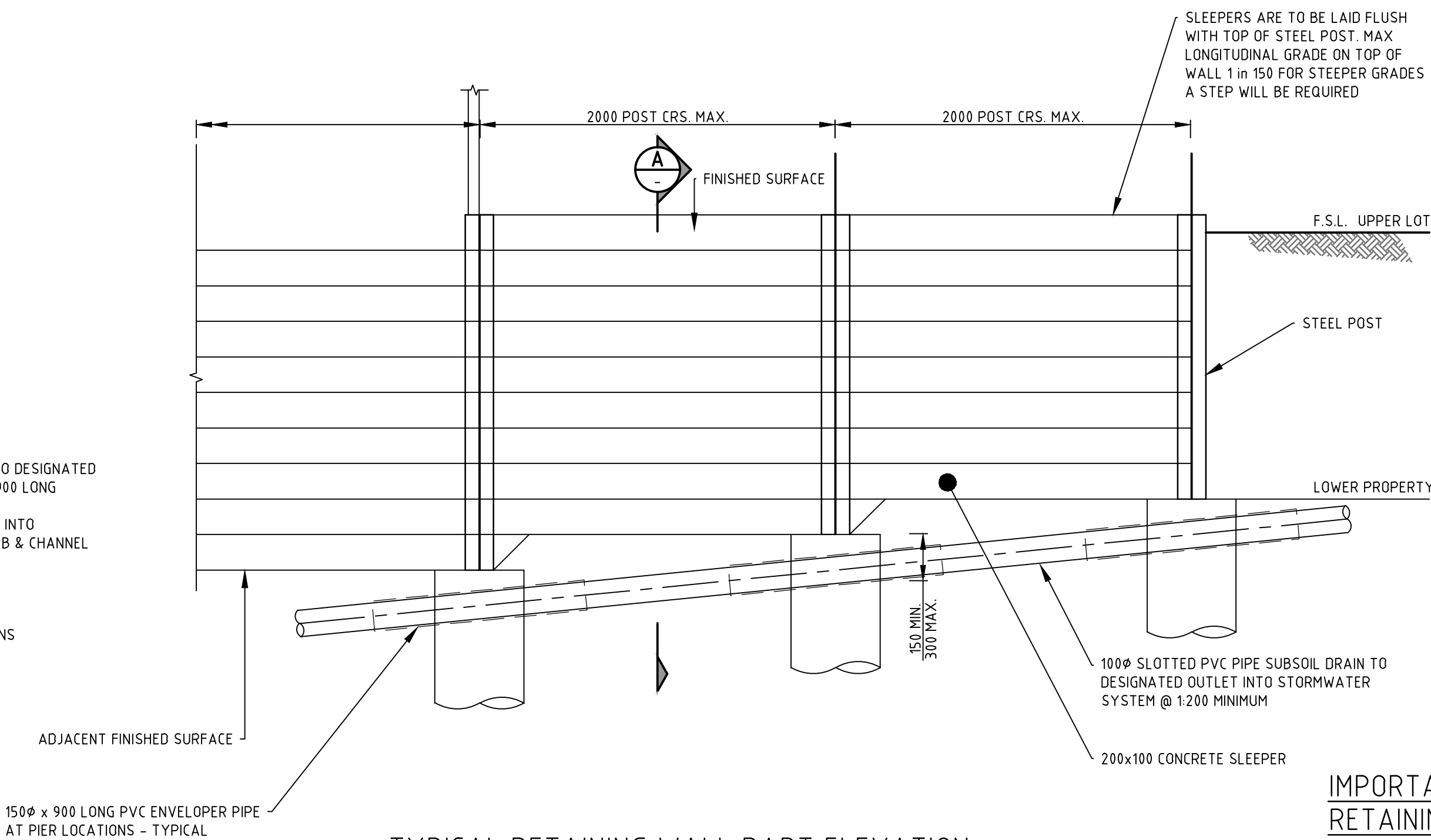
DESCRIPTION	EXISTING	PROPOSED
WATER MAIN	--- DW ---	
SEWER & MAINTENANCE STRUCTURE	--- S --- ○ ---	
STORMWATER DRAIN & PIT	--- SWD --- ⊙ ---	
STORMWATER PITS		
KERB ADAPTOR		
AG DRAIN AND FLUSHER	→ AG ⊙	
KERB AND CHANNEL		
SURFACE CONTOUR MAJOR	--- - 169.00 - ---	
SURFACE CONTOUR MINOR	--- - 168.90 - ---	
ROAD CENTERLINE	--- ---	
ROAD CHAINAGES	CH200.000	
BATTER		
CUT EXTENTS		
FILL EXTENTS		
FOOTPATH		
RETAINING WALL		
RETAINING WALL HEIGHT	(2.0)	

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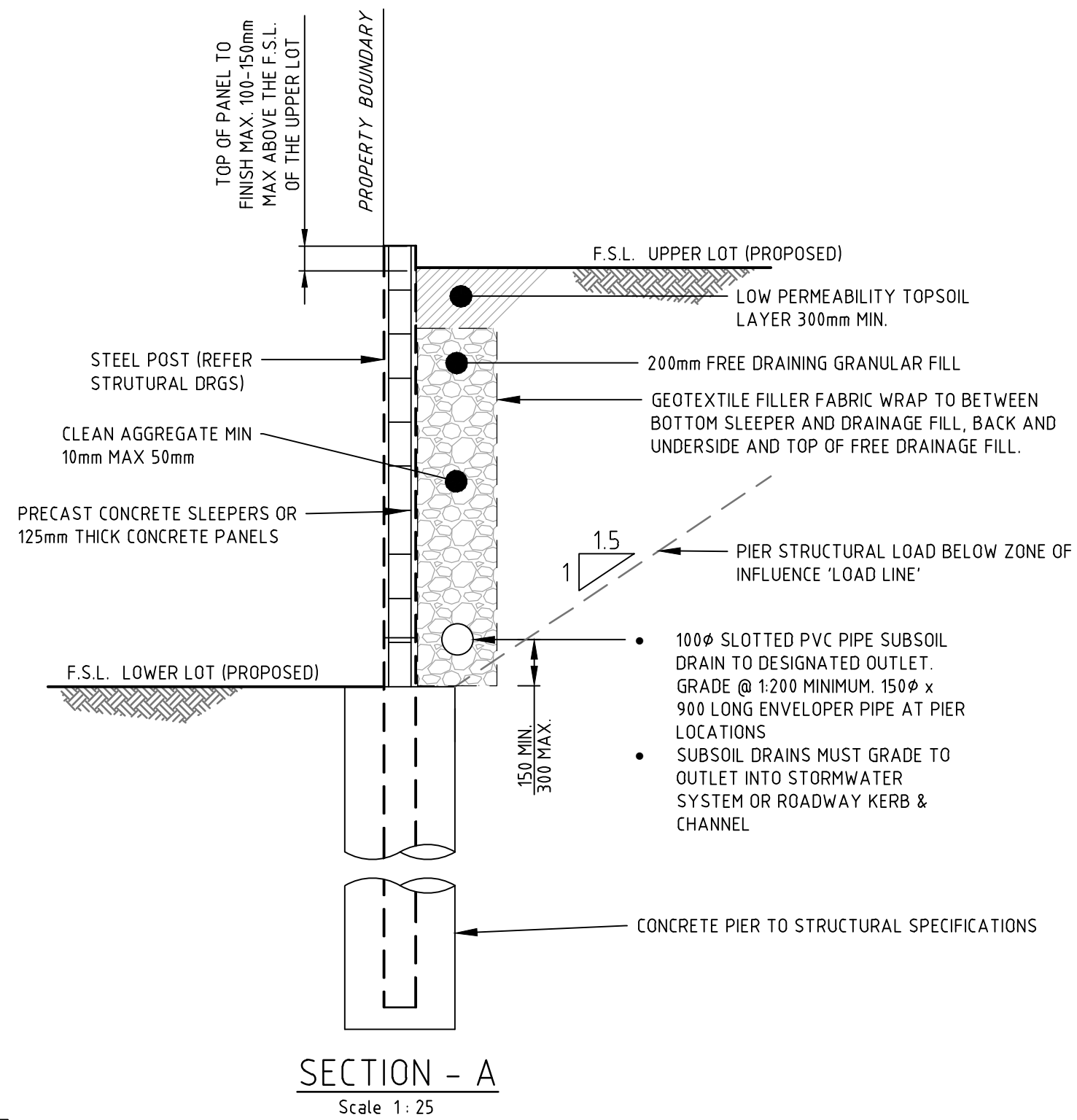


RETAINING WALL FRONTING ROAD RESERVE
Scale 1: 25

RETAINING WALL FRONTING ROAD RESERVE NOTE:-
CONTRACTOR TO CONFIRM STRUCTURAL DETAILS TO ENSURE ALL RETAINING WALL FOOTINGS ARE WITHIN PRIVATE PROPERTY.



TYPICAL RETAINING WALL PART ELEVATION
Scale 1: 25



SECTION - A
Scale 1: 25

IMPORTANT NOTES:-

RETAINING WALLS/PROPERTY BOUNDARY

1. RETAINING WALL STRUCTURE (INCLUDING FOOTING) MUST NOT ENCR OACH BEYOND PROPERTY BOUNDARY ONTO EXTERNAL PROPERTY OWNED BY OTHERS, OR COUNCIL PROPERTY.
2. FOOTING OF RETAINING WALL IS ONLY PROPOSED TO ENCR OACH OVER BOUNDARY ONTO OTHER LOTS WITHIN PROPOSED DEVELOPMENT - WHICH ARE PROPOSED TO HAVE COVENANT (OR EASEMENT) WHICH PERMITS SUCH ENCR OACHMENT
3. THE CONTRACTOR SHALL ENSURE THAT PROPERTY BOUNDARIES ARE PEGGED ON-SITE AND RETAINING WALL LOCATIONS VERIFIED WITH THE SUPERINTENDENT PRIOR TO CONSTRUCTION.
4. THE BOUNDARY / RETAINING WALL CONFIGURATIONS DETAILS SHOWN ARE TYPICAL DETAILS ONLY. THE CONTRACTOR MUST ASCERTAIN WHICH CONFIGURATION APPLIES AT ALL LOCATIONS.
5. SHOULD ANY DOUBT EXIST TO THE REQUIRED LOCATION OF RETAINING WALL - THE CONTRACTOR SHALL SEEK DIRECTION FROM THE SUPERINTENDENT.

A	ISSUED FOR APPROVAL	K.H.	19-02-25
Rev	Amendments	Approved	Date



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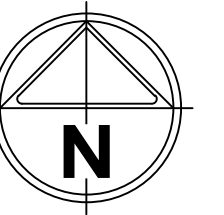
AMORY
AT RIPLEY

Designed
T.MULLEN
Checked
K. HOWELLS
Authorised
M. READMAN RPEQ 28295
Date
FEBRUARY 25

AMORY AT RIPLEY
STAGE 05
ROADWORKS STANDARD NOTES & DETAILS

IPSWICH CITY COUNCIL
RIPLEY ESTATE DEVELOPMENT PTY LTD

APPROVAL
Drg No
320678-005-CR300
Rev
A



STAGE 03 WORKS.
REFER TO DRAWING SET 320678-03

SEWER RETICULATION DRAWINGS
REFER TO DRAWING SET
320678-02B-CS600 SERIES

FOR WATER DRAWINGS
REFER TO DRAWING SET
320678-02B-CW700 SERIES

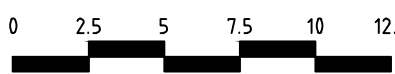
STAGE 01 WORKS.
REFER TO DRAWING SET 320678-01

STAGE 02B WORKS.
REFER TO DRAWING SET 320678-02B

WARNING

BEWARE OF UNDERGROUND/OVERHEAD SERVICES
THE LOCATION OF SERVICES ARE APPROXIMATE ONLY AND THEIR
EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS
GIVEN THAT ALL EXISTING SERVICES ARE SHOWN. SPECIAL
CONSIDERATION SHOULD BE GIVEN TO CONSTRUCTION PROCEDURES
UNDER OVERHEAD ELECTRICITY TRANSMISSION LINES.

H 1:250
SCALE @ A1



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AMORY
AT RIPLEY

Designed
T.MULLEN

Authorised
M. READMAN RPEQ 28295

Checked
K. HOWELLS

Date
FEBRUARY 25

**AMORY AT RIPLEY
STAGE 05
ROADWORKS LAYOUT PLAN**

IPSWICH CITY COUNCIL
RIPLEY ESTATE DEVELOPMENT PTY LTD

APPROVAL

Drg No
320678-005-CR301

Rev
A

SAFETY IN DESIGN REPORT

DURING THE DESIGN SPIIRE AUSTRALIA PTY LTD HAS REGULARLY REVIEWED THE DESIGN IN PROGRESS TO ELIMINATE OR REDUCE SAFETY HAZARDS SO FAR AS IS REASONABLY PRACTICABLE FOR THE CONSTRUCTION, MAINTENANCE, OPERATION AND DEMOLITION OF THE PROPOSED CIVIL WORKS. IN ACCORDANCE WITH WORK HEALTH AND SAFETY ACT AND REGULATIONS, POTENTIAL RESIDUAL HAZARDS ASSOCIATED WITH THE CIVIL DESIGN AS DOCUMENTED WILL INCLUDE BUT MAY NOT BE LIMITED TO THE FOLLOWING:

RESIDUAL RISK	LIKELIHOOD (L)	IMPACT (I)	RISK RATING (L+I)
DEMOLITION	4	4	8
GROUND VIBRATIONS	4	2	6
SURROUNDING PROPERTY AND INFRASTRUCTURE INCLUDING TREES	4	4	8
EXCAVATIONS	4	4	8
TRIP/FALL HAZARDS	4	3	7
FIRE AND OTHER EMERGENCY HAZARDS, INCLUDING EMERGENCY ROUTES AND EXITS	3	4	7
UNDERGROUND AND ABOVE GROUND SERVICES AND OBSTRUCTIONS	4	4	8
LIFTING AND POSITIONING OF STRUCTURAL COMPONENTS	3	4	7
HAZARDOUS MATERIALS	3	4	7
NOISE EXPOSURE FROM CONSTRUCTION AND SURROUNDING ACTIVITIES	3	4	7
OVER LOADING DUE TO CONSTRUCTION LOADS	3	4	7
OPEN TRENCHING	4	4	8
UNDER-BORE & AND OTHER TRENCHLESS METHODOLOGY FOR PIPELINE CONSTRUCTION	3	4	7
WORKING AT HEIGHTS	3	5	8
GENERAL SITE WORKS AND USE OF CONSTRUCTION VEHICLES & EQUIPMENT	3	5	8
SITE ACCESS INCLUDING RESTRICTED WORK SPACES	4	4	8
INTERACTION OF VEHICLES AND PERSONNEL ON THE ROAD/TRANSPORT NETWORK	4	4	8

THE ABOVE LISTED HAZARDS ARE TO BE ADDRESSED BY IMPLEMENTING AND COMPLYING WITH THE FOLLOWING NOTES, AUSTRALIAN STANDARDS, REGULATORY REQUIREMENTS AND OTHER RELEVANT DOCUMENTATION RELATING TO THE PROPOSED WORKS:

1. IT IS THE CLIENT'S RESPONSIBILITY TO PROVIDE ALL "SAFETY IN DESIGN" REPORTS TO THE BUILDER, PROJECT MANAGER AND/ OR PRINCIPAL CONTRACTOR.
2. IT IS THE BUILDER, PROJECT MANAGER OR PRINCIPAL CONTRACTOR'S RESPONSIBILITY TO BUILD THE WORKS STRICTLY IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND NOT TO MAKE ANY VARIATIONS TO THE CONSTRUCTION WITHOUT THE SPECIFIC WRITTEN APPROVAL OF THE DESIGNERS.
3. IT IS THE CLIENT'S RESPONSIBILITY, THROUGH CONSULTATION AND ENGAGEMENT OF SUITABLY QUALIFIED PROFESSIONALS, TO MAKE THE DESIGNERS AWARE OF ANY INFORMATION RELATING TO HAZARDS AND RISKS WHERE CONSTRUCTION WORK IS TO BE CARRIED OUT, INCLUDING BUT NOT LIMITED TO: THE LOCATION OF UNDER GROUND AND ABOVE GROUND SERVICES, IDENTIFICATION OF CONTAMINATED SOILS AND OTHER MATERIALS OR THE PRESENCE OF DANGEROUS MATERIALS INCLUDING ASBESTOS.
4. THIS DESIGN HAS BEEN DOCUMENTED IN ACCORDANCE WITH RELEVANT AUSTRALIAN STANDARDS, LOCAL AUTHORITY REGULATIONS AND STANDARD BUILDING CODES OF PRACTICE UNLESS NOTED OTHERWISE. EACH LEVEL OF CONSTRUCTION IS TO BE COMPLETED AND INSPECTED TO ENSURE DESIGN COMPLIANCE BY THE CERTIFYING AUTHORITY PRIOR TO ADVANCING TO THE NEXT STAGE OF WORK. IT IS THE BUILDER, PROJECT MANAGER OR PRINCIPAL CONTRACTOR'S RESPONSIBILITY TO PROGRAM THE WORKS IN A SAFE MANNER AND TO HIGHLIGHT TO THE DESIGNERS ANY ASPECTS OF THE WORK THAT MAY REQUIRE FURTHER CLARIFICATION OR ADVICE WITH REGARD TO THE HEALTH AND SAFETY OF THE PROJECT.
5. ALL ASPECTS DETAILED OR NOTED IN THE DOCUMENTS ARE THOSE REQUIRED FOR THE COMPLETED WORKS ONLY. THE BUILDER, PROJECT MANAGER OR THE PRINCIPAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY NECESSARY TEMPORARY WORKS TO MAINTAIN THE STABILITY AND SAFETY OF THE WORKS THROUGHOUT THE CONSTRUCTION PERIOD. THE DESIGNER IS TO BE CONTACTED FOR FURTHER ADVICE IF REQUIRED.
6. WHERE THESE DESIGN DRAWINGS ONLY DOCUMENT PART OF THE WORKS, IT IS THE BUILDER, PROJECT MANAGER OR PRINCIPAL CONTRACTOR'S RESPONSIBILITY TO ENSURE ALL DESIGN DRAWINGS ARE CO-ORDINATED BETWEEN CONSULTANTS. FOR EXAMPLE, CO-ORDINATION TO ENSURE APPROPRIATE SLAB THICKENINGS AND DETAILING FOR LOAD-BEARING AND BRACING WALL ELEMENTS, ETC.
7. DURING CONSTRUCTION, THE BUILDER, PROJECT MANAGER OR PRINCIPAL CONTRACTOR SHALL PROTECT NEIGHBOURING PROPERTIES FROM NOISE IN ACCORDANCE WITH LOCAL AUTHORITY REQUIREMENTS, RADIATION, GROUND VIBRATIONS AND OTHER CONSTRUCTION HAZARDS. CONDITION (DILAPIDATION) REPORTS ON NEIGHBOURING PROPERTIES AND STRUCTURES ARE RECOMMENDED PRIOR TO CONSTRUCTION.
8. THE BUILDER, PROJECT MANAGER OR PRINCIPAL CONTRACTOR IS REQUIRED TO VERIFY AND IF NECESSARY CONDUCT FURTHER SEARCHES TO ACCURATELY LOCATE EASEMENTS, UNDER GROUND AND ABOVE GROUND SERVICES, PROPERTY BOUNDARIES, TREES, EXISTING STRUCTURES, AND OTHER OBSTRUCTIONS PRIOR TO CONSTRUCTION. THE DESIGNER IS TO BE IMMEDIATELY NOTIFIED OF ANY ELEMENTS NOT SHOWN ON THE APPROVED DRAWINGS AS THE DESIGN AND SAFETY DESIGN REPORT MAY REQUIRE AMENDING.
9. THE BUILDER, PROJECT MANAGER OR PRINCIPAL CONTRACTOR MUST OBTAIN DESIGN AND INSPECTION CERTIFICATES ON ALL ELEMENTS OF THE WORKS WHICH PRESENT ANY SAFETY RISKS.
10. THE CONSTRUCTION IS TO BE FULLY CARRIED OUT IN ACCORDANCE WITH ALL DESIGN DRAWINGS AND NOTES AS DOCUMENTED. IF CONSTRUCTION CEASES AT ANY STAGE, THE DESIGNERS ARE TO BE NOTIFIED TO PROVIDE ADVICE ON THE SAFETY OF COMPLETED CONSTRUCTION WORK AT THAT TIME.
11. IT IS THE BUILDER, PROJECT MANAGER OR PRINCIPAL CONTRACTOR'S RESPONSIBILITY TO INFORM THE DESIGNERS OF ANY CHANGE TO CONTRACTUAL ARRANGEMENTS BETWEEN THE CLIENT AND THEMSELVES WHICH MAY IMPACT ON THE DESIGN AND SAFETY OF THE DESIGN.
12. THE BUILDER, PROJECT MANAGER OR PRINCIPAL CONTRACTOR SHALL PROVIDE SUITABLE FENCING AROUND ALL EXCAVATIONS AND AT NO STAGE SHOULD AN EXCAVATION BE APPROACHED OR ENTERED INTO UNLESS AN APPROVED AND CERTIFIED SHORING SYSTEM HAS BEEN INSTALLED OR THE BANKS HAVE BEEN BATTERED AND/ OR BENCHED IN ACCORDANCE WITH THE PROJECTS GEOTECHNICAL ENGINEERING SPECIFICATION AND/ OR WRITTEN INSTRUCTIONS BY THE INSPECTING GEOTECHNICAL ENGINEER.
13. AT NO STAGE SHALL SITE PERSONNEL PASS UNDER MATERIALS BEING LIFTED AND MOVED AROUND ON SITE. IT IS THE BUILDER, PROJECT MANAGER OR PRINCIPAL CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT SITE MATERIALS ARE DELIVERED, TRANSPORTED, STORED AND POSITIONED IN A SAFE MANNER AND IN ACCORDANCE WITH THE PRODUCT SPECIFICATION, THE SITE SPECIFIC SAFETY PLAN AND GENERAL SAFETY INDUCTION REGULATIONS.

14. CONTRACTORS ARE REQUIRED TO OBTAIN AND COMPLY WITH MATERIAL PRODUCT SPECIFICATIONS AND RECOMMENDATIONS WHEN USING MATERIALS SPECIFIED IN THE DESIGN DOCUMENTS.
15. THE BUILDER, PROJECT MANAGER OR PRINCIPAL CONTRACTOR MUST ELIMINATE OR LIMIT (AS FAR AS REASONABLY PRACTICABLE) SLIP AND TRIP HAZARDS AND PROTRUDING, SHARP OR ABRASIVE ELEMENTS ON SITE. HAZARDOUS ELEMENTS MUST BE CAPPED, ADEQUATELY SCREENED OR CLEARLY MARKED TO ENSURE SITE SAFETY.
16. IT IS THE BUILDER, PROJECT MANAGER OR PRINCIPAL CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT SITE WORKERS ARE SUITABLY QUALIFIED, TRAINED AND INSURED FOR THE TASKS BEING UNDERTAKEN ON SITE.
17. IT IS THE BUILDER, PROJECT MANAGER OR PRINCIPAL CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ALL SITE PERSONNEL ARE PROVIDED WITH ADEQUATE SPACE, VENTILATION AND APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT TO UNDERTAKE THE WORKS REQUIRED. ALL CONSTRUCTION EQUIPMENT IS TO BE USED IN ACCORDANCE WITH BEST INDUSTRY SAFETY PRACTICES AND REGULATIONS.
18. DEMOLITION WORKS ARE REQUIRED TO BE CARRIED OUT IN A SAFE, SYSTEMATIC AND ORDERLY MANNER IN ACCORDANCE WITH THE SITE SPECIFIC SAFETY PLAN AND ALL GENERAL SAFETY INDUCTION REGULATIONS. TEMPORARY PROPPING OF MEMBERS MAY BE REQUIRED IN ACCORDANCE WITH THE DIRECTION OF A SUITABLY QUALIFIED PROFESSIONAL IN ACCORDANCE WITH INDUSTRY SAFETY PRACTICES AND REGULATIONS.
19. AT ALL TIMES THE BUILDER, THE PROJECT MANAGER OR PRINCIPAL CONTRACTOR IS TO PROVIDE SAFE ACCESS ONTO AND AROUND THE SITE INCLUDING ADEQUATE STAIRS, SCAFFOLDING, SECURE LADDER ACCESS, SAFE WORKING PLATFORMS, ACCESS PATHS FREE FROM FALLING OBJECTS, ADEQUATE RAILINGS, FALL ARREST SYSTEMS, ETC.
20. ALL FORMWORK AND SCAFFOLDING SYSTEMS ARE TO BE DESIGNED AND CERTIFIED BY A LICENSED CONTRACTOR TO COMPLY WITH RELEVANT AUSTRALIAN STANDARDS AND KEPT AND MAINTAINED IN A GOOD WORKING ORDER. REGULAR CHECKS ON ERECTED MEMBERS AND FIXINGS MUST BE CARRIED OUT BY A QUALIFIED PROFESSIONAL TO ENSURE COMPLIANCE WITH THE DESIGN.
21. CLIMBING ON SCAFFOLDING OR FORMWORK AND WORKING AT HEIGHTS WITHOUT SUITABLY APPROVED RAILINGS, BARRIERS AND RESTRAINTS FIXED OFF TO CERTIFIED ANCHOR POINTS IS STRICTLY PROHIBITED.
22. ALL SITE MACHINERY AND ELECTRICAL EQUIPMENT IS TO BE KEPT IN GOOD WORKING ORDER WITH CURRENT SAFETY TAGGING AND SERVICING WHERE APPLICABLE.
23. THE BUILDER, PROJECT MANAGER OR PRINCIPAL CONTRACTOR IS TO ADEQUATELY TREAT AND DISPOSE OF DANGEROUS SITE MATERIALS INCLUDING CONTAMINATED SOILS AND ASBESTOS IN ACCORDANCE WITH AUTHORITY REGULATIONS, INDUSTRY STANDARDS AND PRACTICES.
24. THE BUILDER, PROJECT MANAGER OR PRINCIPAL CONTRACTOR IS TO ENSURE THAT THE SITE IS MAINTAINED IN A SAFE WORKING MANNER AND THAT ALL SITE PRACTICES ARE IN ACCORDANCE WITH CURRENT WORK PLACE HEALTH AND SAFETY LAWS AND REGULATIONS.

(L) LIKELIHOOD OF THE CONSEQUENCES OCCURRING	
RATING	DESCRIPTION
ALMOST CERTAIN 5	HAS HAPPENED SEVERAL TIMES IN THE PAST YEAR AND IN EACH OF THE PREVIOUS 5 YEARS <u>OR</u> HAS A >90% CHANCE OF OCCURRING IN THE NEXT 24 MONTHS IF THE RISK IS NOT MITIGATED.
LIKELY 4	HAS HAPPENED AT LEAST ONCE IN THE PAST YEAR AND IN EACH OF THE PREVIOUS 5 YEARS <u>OR</u> HAS A 60-90% CHANCE OF OCCURRING IN THE NEXT 24 MONTHS IF THE RISK IS NOT MITIGATED.
POSSIBLE 3	HAS HAPPENED DURING THE PAST 5 YEARS BUT NOT EVERY YEAR <u>OR</u> HAS A 40-60% CHANCE OF OCCURRING IN THE NEXT 24 MONTHS IF THE RISK IS NOT MITIGATED.
UNLIKELY 2	MAY HAVE OCCURRED ONCE IN THE LAST 5 YEARS <u>OR</u> HAS A 10-30% CHANCE OF OCCURRING IN THE FUTURE IF THE RISK IS NOT MITIGATED.
RARE 1	HAS NOT OCCURRED IN THE PAST 5 YEARS <u>OR</u> MAY OCCUR IN EXCEPTIONAL CIRCUMSTANCES AND LESS THAN 10% CHANCE OF OCCURRING IN THE NEXT 24 MONTHS IF THE RISK IS NOT MITIGATED.

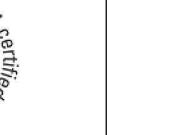
(I) IMPACT OR CONSEQUENCE RATING TABLE	
RATING	DESCRIPTION
SEVERE 5	ONE OR MORE FATALITIES OR LIFE THREATENING INJURIES OR ILLNESS, <u>OR</u> PUBLIC OR STAFF EXPOSED TO A SEVERE, ADVERSE LONG TERM HEALTH IMPACT OR LIFE THREATENING HAZARD.
MAJOR 4	ONE OR MORE MAJOR INJURIES OR ILLNESS REQUIRING MAJOR SURGERY OR RESULTING IN PERMANENT DISABLEMENT <u>OR</u> PUBLIC OR STAFF EXPOSED TO A HAZARD THAT RESULTS IN MAJOR SURGERY, PERMANENT DISABLEMENT OR ADVERSE PERMANENT HEALTH EFFECTS.
MODERATE 3	ONE OR MORE INJURIES OR ILLNESS REQUIRING TREATMENT BY A PHYSICIAN OR HOSPITALISATION <u>OR</u> PUBLIC OR STAFF EXPOSED TO A HAZARD THAT COULD CAUSE INJURIES OR MODERATE ADVERSE HEALTH EFFECTS.
MINOR 2	ONE OR MORE INJURIES OR ILLNESS REQUIRING TREATMENT BY A QUALIFIED FIRST AID PERSON <u>OR</u> EXPOSURE OF PUBLIC OR STAFF TO A HAZARD THAT COULD CAUSE MINOR INJURIES OR MINOR ADVERSE HEALTH EFFECTS.
NEGLIGIBLE 1	MINOR INJURY OR AILMENT THAT DOES <u>NOT</u> REQUIRE MEDICAL TREATMENT BY A PHYSICIAN OR A QUALIFIED FIRST AID PERSON.

LIKELIHOOD RATING	CONSEQUENCE RATING				
	SEVERE 5	MAJOR 4	MODERATE 3	MINOR 2	NEGLIGIBLE 1
ALMOST CERTAIN 5	VERY HIGH 10	VERY HIGH 9	HIGH 8	HIGH 7	MEDIUM 6
LIKELY 4	VERY HIGH 9	HIGH 8	HIGH 7	MEDIUM 6	MEDIUM 5
POSSIBLE 3	HIGH 8	HIGH 7	MEDIUM 6	MEDIUM 5	LOW 4
UNLIKELY 2	HIGH 7	MEDIUM 6	MEDIUM 5	LOW 4	LOW 3
RARE 1	MEDIUM 6	MEDIUM 5	LOW 4	LOW 3	VERY LOW 2

RISK LEVEL	REQUIRED ACTION
VERY HIGH	<u>ACT IMMEDIATELY:</u> THE PROPOSED TASK OR PROCESS ACTIVITY MUST NOT PROCEED. STEPS MUST BE TAKEN TO LOWER THE RISK LEVEL TO AS LOW AS REASONABLY PRACTICABLE USING THE HIERARCHY OF RISK CONTROLS.
HIGH	<u>ACT TODAY:</u> THE PROPOSED ACTIVITY CAN ONLY PROCEED, PROVIDED THAT: (i) THE RISK LEVEL HAS BEEN REDUCED TO AS LOW AS REASONABLY PRACTICABLE USING THE HIERARCHY OF RISK CONTROLS; (ii) THE RISK CONTROLS MUST INCLUDE THOSE IDENTIFIED IN LEGISLATION, STANDARDS, CODES OF PRACTICE ECT. (iii) THE RISK ASSESSMENT HAS BEEN REVIEWED AND APPROVED BY THE SUPERVISOR AND (iv) THE SUPERVISOR MUST REVIEW AND DOCUMENT THE EFFECTIVENESS OF THE IMPLEMENTED RISK CONTROLS.
MEDIUM	<u>ACT THIS WEEK:</u> THE PROPOSED TASK OR PROCESS CAN PROCEED, PROVIDED THAT: (i) THE RISK LEVEL HAS BEEN REDUCED TO AS LOW AS REASONABLY PRACTICABLE USING THE HIERARCHY OF RISK CONTROLS; (ii) THE RISK ASSESSMENT HAS BEEN REVIEWED AND APPROVED BY THE SUPERVISOR.
LOW	<u>ACT THIS MONTH:</u> MANAGED BY LOCAL DOCUMENTED ROUTINE PROCEDURES WHICH MUST INCLUDE APPLICATION OF THE HIERARCHY OF CONTROLS.
VERY LOW	<u>KEEP A WATCHING BRIEF:</u> ALTHOUGH THE RISK LEVEL IS LOW THE SITUATION SHOULD BE MONITORED PERIODICALLY TO DETERMINE IF THE SITUATION CHANGES.

HIERARCHY OF CONTROLS	
1	ELIMINATE THE HAZARD - REMOVE IT COMPLETELY FROM YOUR WORKPLACE.
2	SUBSTITUTE THE HAZARD - WITH A SAFER ALTERNATIVE.
3	ISOLATE THE HAZARD - AS MUCH AS POSSIBLE AWAY FROM WORKERS.
4	USE ENGINEERING CONTROLS - ADAPT TOOLS OR EQUIPMENT TO REDUCE THE RISK.
5	USE ADMINISTRATIVE CONTROLS - CHANGE WORK PRACTICES AND ORGANISATION.
6	USE PERSONAL PROTECTIVE EQUIPMENT (PPE) - THIS SHOULD BE THE LAST OPTION AFTER YOU HAVE CONSIDERED ALL OTHER OPTIONS FOR YOUR WORKPLACE.

A	ISSUED FOR APPROVAL	K.H.	19-02-25	
Rev	Amendments	Approved	Date	



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Designed
T.MULLEN

Checked
K. HOWELLS

Authorised
M. READMAN RPEQ 28295

Date
FEBRUARY 25

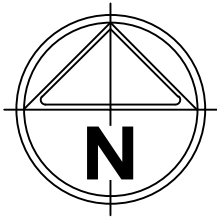
AMORY AT RIPLEY
STAGE 05
SAFETY IN DESIGN

IPSWICH CITY COUNCIL
RIPLEY ESTATE DEVELOPMENT PTY LTD

APPROVAL

Drg No
320678-005-CR900

Rev
A



VEGETATION PROTECTION:

- SOIL MANAGEMENT:

1. TOPSOIL AND SUBSOIL SHOULD BE STOCKPILED SEPARATELY.
2. CARE SHOULD BE TAKEN TO PREVENT SEDIMENT FROM ENTERING THE STORMWATER SYSTEM. THIS MAY INVOLVE PLACING APPROPRIATE SEDIMENT CONTROLS AROUND STOCKPILES. REFER PROJECT SPECIFIC EROSION & SEDIMENT CONTROL DRAWINGS & SPECIFICATIONS.

CREEK CROSSINGS:

1. SILTATION CONTROL MEASURES SHOULD BE PLACED DOWNSTREAM OF ANY EXCAVATION WORK.
2. APPROPRIATE SEDIMENT CONTROLS SHALL BE USED TO PREVENT SEDIMENT FROM ENTERING THE CREEK. REFER PROJECT SPECIFIC EROSION & SEDIMENT CONTROL DRAWINGS & SPECIFICATIONS.
3. NO SOIL SHOULD BE STOCKPILED WITHIN 5m OF ANY CREEK OR OVERLAND FLOW PATH.

REHABILITATION:

1. PRE-DISTURBANCE SOIL PROFILES AND COMPACTION LEVELS ARE TO BE REINSTATED. PRE-DISTURBANCE VEGETATION PATTERNS SHOULD BE RESTORED. FOR FURTHER INFORMATION CONTACT COUNCIL ECOLOGICAL ASSESSMENT OFFICER.

NOTE:

ALL ENVIRONMENT PROTECTION MEASURES SHOULD BE IMPLEMENTED PRIOR TO ANY CONSTRUCTION WORK COMMENCING - INCLUDING CLEARING VEGETATION.

1. THE CONTRACTOR MUST UNDERTAKE ALL INVESTIGATIONS, POT-HOLING AND TRENCHING NECESSARY TO ENSURE SEWER IS ABLE TO BE CONSTRUCTED PER THE DESIGN PRIOR TO CONSTRUCTION.
2. SHOULD ANY ALTERATION TO THE APPROVED DESIGN BECOME NECESSARY DUE TO CLASH WITH OTHER SERVICES - THE CONTRACTOR MUST OBTAIN THE CERTIFYING RPEQ ENGINEER'S APPROVAL PRIOR TO INSTALLATION.

NAME OF ESTATE		633 RIPLEY ROAD, RIPLEY - STAGE 05
DEVELOPER		SIG GROUP - RIPLEY ESTATE DEVELOPMENT PTY LTD
DA No.		21/2013/PDA
No. OF ALLOTMENTS		8
AREA IN Ha.		0.166
LENGTH OF SEWER	DN110 PE	0
UU REFERENCE No.		24-PNT-XXXX

[illegible]

CONTRACTOR SHALL CONTACT URBAN UTILITIES MINIMUM 4 DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION (AND FOLLOWING RECEIPT OF NETWORK ACCESS PERMIT FROM UU) TO ARRANGE FOR AUDIT INSPECTION OF THE WORK TO BE CARRIED OUT. EXCAVATION, SAFE-SHORING AND ASSOCIATED WORK BY CONTRACTOR. WORKS CARRIED OUT BY CONTRACTORS AT DEPTH OF 1.5m OR GREATER MUST PROVIDE A 'SAFESYSTEM PLAN' AS PER WORKPLACE HEALTH AND SAFETY LEGISLATION TO UU PRIOR TO CONTRACTOR COMMENCING ANY WORKS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE ALL LIVE SEWER WORKS ARE COMPLETE BEFORE ALLOWING PRIVATE DRAINAGE IS CONNECTED.

CONTRACTOR SHALL REINSTATE FULLY TO ORIGINAL
CONDITION ALL PAVEMENT, KERBING, FOOTPATHS,
VERGES, SERVICES INCLUDING SERVICES TRENCH
BACKFILLING TO RESPECTIVE SERVICES PROVIDERS
REQUIREMENTS AND ALL OTHER EXISTING FIXTURES
WHICH HAVE BEEN REMOVED / AFFECTED BY
PROPOSED CONSTRUCTION

NOTWITHSTANDING THAT EXISTING SERVICES MAY OR MAY NOT BE SHOWN ON THESE DRAWINGS, NO RESPONSIBILITY IS TAKEN BY THE ENGINEER OR THE PRINCIPAL FOR THIS INFORMATION WHICH HAS BEEN SUPPLIED BY OTHERS. THE DETAILS ARE PROVIDED FOR INFORMATION ONLY. THE CONTRACTOR SHALL ASCERTAIN THE POSITION OF ALL UNDERGROUND SERVICES PRIOR TO EXCAVATION AND SHALL BE RESPONSIBLE FOR THE COST OF REPAIRS TO DAMAGES CAUSED AS A RESULT OF THE WORKS.

DRAWING SCHEDULE	
DRAWING	DESCRIPTION
320678-005-CS600	SEWER RETICULATION STANDARD NOTES & LOCALITY PLAN
320678-005-CS601	SEWER RETICULATION LAYOUT PLAN

ASSET FUNDING SEWERS	ALL WATER AND SEWER CONSTRUCTION WORK UNDERTAKEN BY THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE QUEENSLAND WORK HEALTH AND SAFETY ACT 2011. CONTACT THE DIVISION OF WORKPLACE HEALTH AND SAFETY FOR INFORMATION.
ICC FUNDED ()	
DEVELOPER FUNDED ()	
STATE GOVERNMENT FUNDED ()	
FEDERAL GOVERNMENT FUNDED ()	
DATE OF CONSTRUCTION: DD/MM/YYYY	

A	ISSUED FOR APPROVAL	K.H.	19-02-25
Rev	Amendments	Approved	Date

Figure 1 consists of a scale bar and three logos. The scale bar is labeled 'H 1:2500' and 'SCALE 1:1'. It has markings at 0, 25, 50, 75, 100, and 125. To the right of the scale bar are three logos for 'dices'. The first logo is red and labeled '150 8001'. The second logo is yellow and labeled '150 4501'. The third logo is green and labeled '150 1401'. All three logos feature a stylized 'S' shape and the text 'Spire Australia Pty Ltd'.

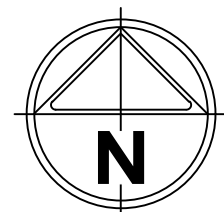


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		AMORY	
A T R I P L E Y			
Designed	T. MULLEN	Checked	K. HOWELLS
Authorised	M. READMAN RPEQ 28295 <i>[Signature]</i>	Date	FEBRUARY 25

AMORY AT RIPLEY STAGE 05 SEWER RETICULATION STANDARD NOTES & LOCALITY PLAN		
IPSWICH CITY COUNCIL RIPLEY ESTATE DEVELOPMENT PTY LTD		
APPROVAL	Drg No 320678-005-CS600	Rev A

file name	320678-005-CS600.dwg	layout name	CS600



LEGEND

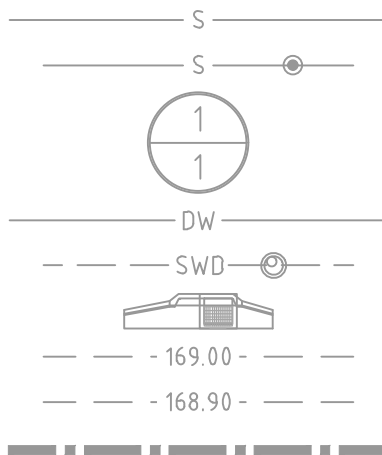
DESCRIPTION

SEWER MAIN
SEWER MANHOLE

SEWER STRUCTURE NUMBER

WATER MAIN
STORMWATER MAIN AND MANHOLES
STORMWATER PITS
SURFACE CONTOUR (MAJOR)
SURFACE CONTOUR (MINOR)
RETAINING WALL

EXISTING



PROPOSED

169.00
168.90

STAGE 03 WORKS
REFER TO DRAWING SET 320678-03

FOR WATER DRAWINGS
REFER TO DRAWING SET
320678-02B-CW700 SERIES

STAGE 01 WORKS
REFER TO DRAWING SET 320678-01

STAGE 02B WORKS
REFER TO DRAWING SET 320678-02B

NOTE:
LOT CONNECTIONS FOR STAGE 5 WILL BE
CONSTRUCTED DURING STAGE 2B
WORKS. SUBSEQUENT WATER
APPROVAL REQUIRED TO ENDORSE USE.

NOTE:
ENSURE ALL PROPOSED PROPERTY
CONNECTIONS ARE CLEAR OF
DRIVEWAYS

CONSULTANT: SPIIRE
CONTACT: MR. KEITH HOWELLS
TELEPHONE: (07) 3522 3010
UU REF NO. 24-PNT-74564

WARNING
BEWARE OF UNDERGROUND/OVERHEAD SERVICES
THE LOCATION OF SERVICES ARE APPROXIMATE ONLY. AND THEIR
EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS
GIVEN THAT ALL EXISTING SERVICES ARE SHOWN. SPECIAL
CONSIDERATION SHOULD BE GIVEN TO CONSTRUCTION PROCEDURES
UNDER OVERHEAD ELECTRICITY TRANSMISSION LINES.

EXISTING SERVICES
NOTWITHSTANDING THAT EXISTING SERVICES MAY OR MAY
NOT BE SHOWN ON THESE DRAWINGS, NO RESPONSIBILITY IS
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INFORMATION WHICH HAS BEEN SUPPLIED BY OTHERS. THE
DETAILS ARE PROVIDED FOR INFORMATION ONLY. THE
CONTRACTOR SHALL ASCERTAIN THE POSITION OF ALL
UNDERGROUND SERVICES PRIOR TO EXCAVATION AND
SHALL BE RESPONSIBLE FOR THE COST OF REPAIRS TO
DAMAGES CAUSED AS A RESULT OF THE WORKS.

H 1250
SCALE @ A1



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AMORY
AT RIPLEY

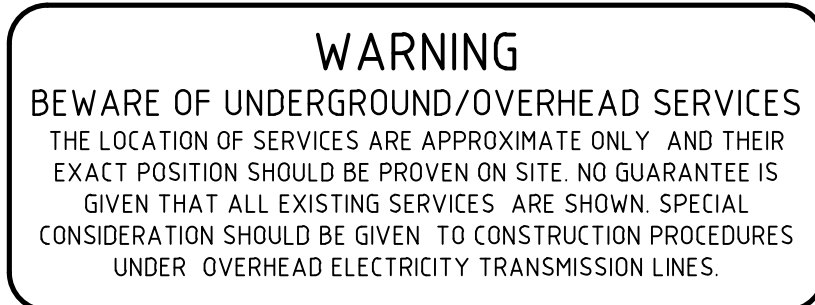
Designed
T.MULLEN
Authorised
M. READMAN RPEQ 28295
Checked
K. HOWELLS
Date
FEBRUARY 25

**AMORY AT RIPLEY
STAGE 05
SEWER RETICULATION LAYOUT PLAN**

IPSWICH CITY COUNCIL
RIPLEY ESTATE DEVELOPMENT PTY LTD

APPROVAL Drg No
320678-005-CS601

Rev
A



LEGEND

DESCRIPTION

WATER MAIN

EXISTING

DW

WATER PIPE DN25PE

WATER METER

FIRE HYDRANT

VALVE

KERB INVERT

SEWER MAIN

S

SEWER HOUSE CONNECTION

S

SEWER MANHOLES

⊙

STORMWATER DRAINAGE

SWD

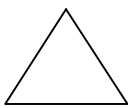
STORMWATER MANHOLE

⊙

ELECTRICAL PILLAR

□

PROPOSED



STAGE 03 WORKS
REFER TO DRAWING SET 320678-03

STAGE 01 WORKS
REFER TO DRAWING SET 320678-01

STAGE 02B WORKS
REFER TO DRAWING SET 320678-02B

TABLE OF FITTINGS

ITEM	DESCRIPTION
-1	100Ø DI CL VALVE ASSEMBLY
-2	DN125 HYDRANT TEE & HYDRANT ASSEMBLY
-3	100Ø x 100Ø DI CL TEE & THRUST BLOCK
-4	100Ø x 1125° DI CL BEND AND THRUST BLOCK
-5	100Ø x 22.5° DI CL BEND AND THRUST BLOCK
-6	DN125 END-CAP & THRUST BLOCK
-7	150Ø DI CL VALVE ASSEMBLY
-8	DN180 HYDRANT TEE & HYDRANT ASSEMBLY
-9	150Ø x 100Ø DI CL TEE & THRUST BLOCK
-10	150Ø x 150Ø DI CL TEE & THRUST BLOCK
-11	150Ø x 1125° DI CL BEND AND THRUST BLOCK
-12	150Ø x 22.5° DI CL BEND AND THRUST BLOCK
-13	150Ø x 45° DI CL BEND AND THRUST BLOCK
-14	150Ø x 90° DI CL BEND AND THRUST BLOCK
-15	DN180-DN125 REDUCER
-16	DN180 END-CAP & THRUST BLOCK

DN PE AND DI CL PIPE EQUIVALENT SIZE CHART

DN PE	DI CL (Ø)
DN125	100Ø
DN180	150Ø

NOTE:

LOT CONNECTIONS FOR STAGE 5 WILL BE
CONSTRUCTED DURING STAGE 2B
WORKS. SUBSEQUENT WATER
APPROVAL REQUIRED TO ENDORSE USE.

NOTE:

ALL VALVES NEED TO BE INSTALLED AS
DUCTILE IRON DOUBLE FLANGED
VALVES AND RESTRAINED AS PER
SEQ-WAT-1206-1

CONSULTANT: SPIRE
CONTACT: MR. KEITH HOWELLS
TELEPHONE: (07) 3522 3010
UU REF NO. 24-PNT-74564

WARNING

BEWARE OF UNDERGROUND/OVERHEAD SERVICES
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UNDER OVERHEAD ELECTRICITY TRANSMISSION LINES.

EXISTING SERVICES

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H 1250
SCALE @ A1



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AMORY
AT RIPLEY

Designed
T.MULLEN
Authorised
M. READMAN RPEQ 28295
Checked
K. HOWELLS
Date
FEBRUARY 25

AMORY AT RIPLEY
STAGE 05
WATER RETICULATION LAYOUT PLAN

IPSWICH CITY COUNCIL
RIPLEY ESTATE DEVELOPMENT PTY LTD

APPROVAL Drg No
320678-005-CW701 Rev
A