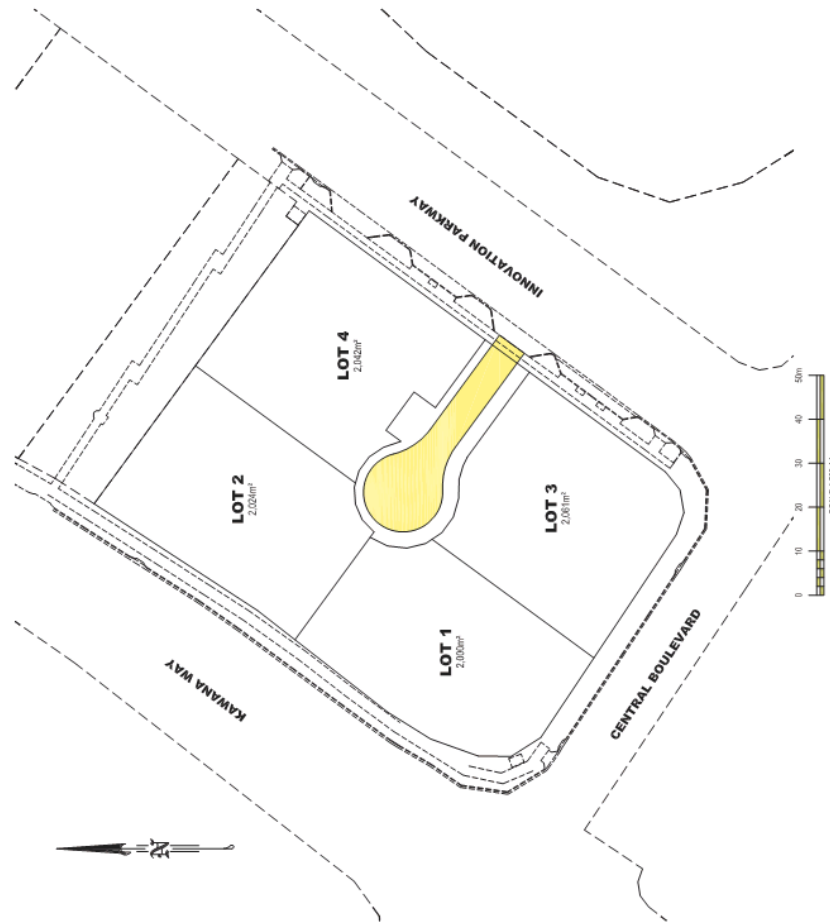


**PROPOSED UNIT DEVELOPMENT
 at LOT 29, INNOVATION PARKWAY
 CONTRACT NO. C6007/16/1
 for TYNONG PASTORAL COMPANY PTY LTD**

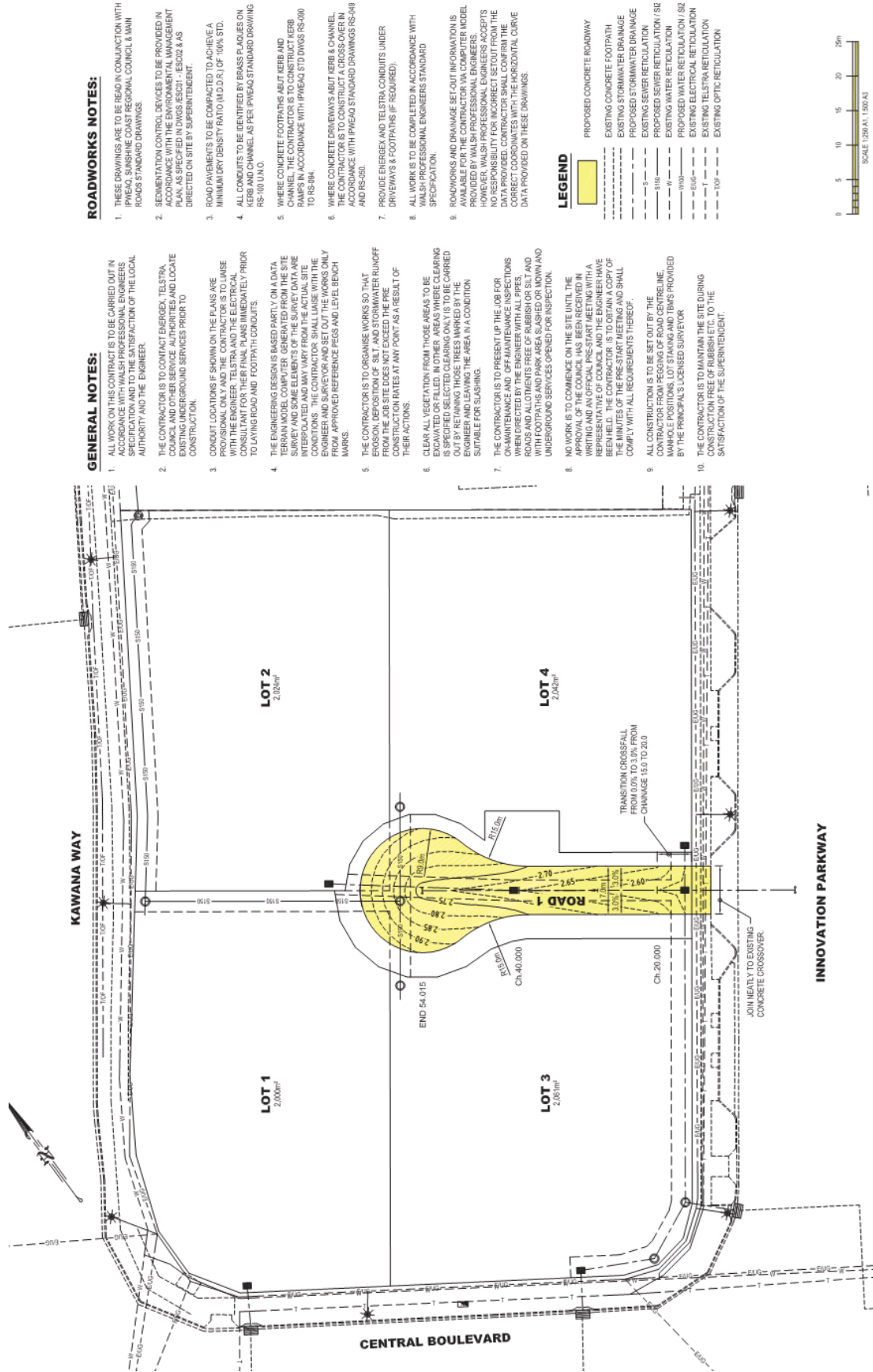


NO	DWG	DESCRIPTION
		DRAWING SCHEDULE SEPTEMBER 2016
		LOCALITY PLAN AND SCHEDULE OF DRAWINGS
R01		ROADWORKS LAYOUT PLAN
R02		ROAD 1 LONGITUDINAL AND CROSS SECTIONS
R03		CONCRETE JOINTING DETAILS PLAN
D01		STORMWATER LAYOUT PLAN
D02		STORMWATER LONGITUDINAL SECTIONS
S01		SEWER RETICULATION LAYOUT PLAN
S02		SEWER LONGITUDINAL SECTIONS
S03		SEWER RETICULATION ESTIMATE DETAILS AND NOTES
W01		WATER RETICULATION LAYOUT PLAN
ESC01		EROSION AND SEDIMENT CONTROL PLAN
ESC02		EROSION AND SEDIMENT CONTROL DETAILS
TP01		WASTE COLLECTION VEHICLE TURN PATHS
CD01		STORMWATER CATCHMENT PLAN
CD02		STORMWATER DATA TABLE



LOCALITY PLAN
 SCALE 1:500 (A1)

SPECIAL DRAWINGS MARKED FOR CONSTRUCTION AND BEARING AN ORIGINAL SIGNATURE SHALL BE USED FOR CONSTRUCTION PURPOSES FOR APPROVAL NOT FOR CONSTRUCTION		DESIGN: 165 DATE: 08/17/2016 CHECKED: [Signature] DATE: 20/01/2017	A.C.N. 611 482 716 1572 Wise Road, Manoochyvale QLD PO Box 5932, Manoochyvale BC, 4558 Email: Engineers@WalshEng.net.au Web: http://www.WalshEng.net.au	WALSH PROFESSIONAL ENGINEERS	PROJECT: PROPOSED UNIT DEVELOPMENT at LOT 29, INNOVATION PARKWAY for TYNONG PASTORAL COMPANY PTY LTD	DRAWING NO: C6007/16/L01 REGION: B SHEET: 1 of 1
WITH: [Signature] PROJECT MANAGER: [Signature]						



GENERAL NOTES:

1. ALL WORK ON THIS CONTRACT IS TO BE CARRIED OUT IN ACCORDANCE WITH WALSH PROFESSIONAL ENGINEERS CONSULTATION AND SUPERVISION OF THE LOCAL AUTHORITY AND THE ENGINEER.
2. THE CONTRACTOR IS TO CONTACT ENERGEX, TELSTRA, COUNCIL AND OTHER SERVICE AUTHORITIES AND LOCATE EXISTING UNDERGROUND SERVICES PRIOR TO CONSTRUCTION.
3. CONDUIT LOCATIONS IF SHOWN ON THE PLANS ARE PROVISIONAL ONLY AND THE CONTRACTOR IS TO LIAISE WITH THE ENGINEER, TELSTRA AND THE ELECTRICAL CONTRACTOR TO VERIFY THE LOCATION AND DEPTH PRIOR TO LAYING ROAD AND FOOTPATH CONDUITS.
4. THE ENGINEERING DESIGN IS BASED PARTLY ON A DATA TERRAIN MODEL COMPUTER GENERATED FROM THE SITE AND PARTLY ON FIELD SURVEY DATA. THE CONTRACTOR SHALL INTERPOLATE AND VARY FROM THE ACTUAL SITE CONDITIONS. THE CONTRACTOR SHALL LIAISE WITH THE ENGINEER AND SURVEYOR AND SET OUT THE WORKS ONLY FROM APPROVED REFERENCE PEGS AND LEVEL BENCH MARKS.
5. THE CONTRACTOR IS TO ORGANISE WORKS SO THAT EROSION, DEPOSITION OF SILT AND STORMWATER RUNOFF FROM THE JOB SITE DOES NOT EXCEED THE PRE CONSTRUCTION RATES AT ANY POINT AS A RESULT OF THEIR ACTIONS.
6. CLEAR ALL VEGETATION FROM THOSE AREAS TO BE EXCAVATED OR FILLED. IN OTHER AREAS WHERE CLEARING IS SPECIFIED SELECTED CLEARING ONLY IS TO BE CARRIED OUT. ALL TRUNKS AND BRANCHES MARKED BY THE ENGINEER AND SURVEYOR SHALL REMAIN IN A CONDITION SUITABLE FOR SLASHING.
7. THE CONTRACTOR IS TO PRESENT UP THE JOB FOR ON-MINUTENESS AND OFF-MAINTENANCE INSPECTIONS. ALL ROADS AND ALLEYS SHALL BE FREE OF RUBBISH OR SILT AND WITH FOOTPATHS AND PARK AREA SLASHED OR MOWN AND UNDERGROUND SERVICES OPENED FOR INSPECTION.
8. NO WORKS TO COMMENCE ON THE SITE UNTIL THE APPROVAL OF THE COUNCIL HAS BEEN RECEIVED IN WRITING AND AN OFFICIAL PRE-START MEETING WITH A REPRESENTATIVE OF COUNCIL AND THE ENGINEER HAVE BEEN HELD. THE CONTRACTOR IS TO OBTAIN A COPY OF THE MINUTES OF THE PRE-START MEETING AND SHALL COMPLY WITH ALL REQUIREMENTS THEREOF.
9. ALL CONSTRUCTION IS TO BE SET OUT BY THE CONTRACTOR FROM PEGGING OF ROAD CENTRELINE, MANHOLE POSITIONS, LOT STAKING AND TBN'S PROVIDED BY THE PRINCIPAL'S LICENSED SURVEYOR.
10. THE CONTRACTOR IS TO MAINTAIN THE SITE DURING CONSTRUCTION FREE OF RUBBISH ETC. TO THE SATISFACTION OF THE SUPERINTENDENT.

ROADWORKS NOTES:

1. THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH IPWEAQ, SUNSHINE COAST REGIONAL COUNCIL & MAIN ROADS STANDARD DRAWINGS.
2. SEDIMENTATION CONTROL DEVICES TO BE PROVIDED IN ACCORDANCE WITH THE STANDARD DRAWINGS AND THE CURRENT PLAN AS SPECIFIED IN DWGS ES011 - ES022 & AS DIRECTED ON SITE BY SUPERINTENDENT.
3. ROAD PAVEMENTS TO BE COMPACTED TO ACHIEVE A MINIMUM DRY DENSITY RATIO (MDD/D.R.) OF 100% STD.
4. ALL CONDUITS TO BE IDENTIFIED BY BRASS PLAQUES ON KERB AND CHANNEL AS PER IPWEAQ STANDARD DRAWING RS-100 U.N.O.
5. WHERE CONCRETE FOOTPATHS ABUT KERB AND CHANNEL, THE CONTRACTOR IS TO CONSTRUCT KERB RAMP IN ACCORDANCE WITH IPWEAQ STD DWGS RS-600 TO RS-604.
6. WHERE CONCRETE DRIVEWAYS ABUT KERB & CHANNEL, THE CONTRACTOR IS TO CONSTRUCT A CROSSOVER IN ACCORDANCE WITH IPWEAQ STANDARD DRAWINGS RS-608 AND RS-580.
7. PROVIDE ENERGEX AND TELSTRA CONDUITS UNDER DRIVEWAYS & FOOTPATHS (IF REQUIRED).
8. ALL WORK IS TO BE COMPLETED IN ACCORDANCE WITH WALSH PROFESSIONAL ENGINEERS STANDARD SPECIFICATION.
9. ROADWORKS AND DRAINAGE SET-OUT INFORMATION IS AVAILABLE FOR THE CONTRACTOR VIA COMPUTER MODEL PROVIDED BY WALSH PROFESSIONAL ENGINEERS. HOWEVER, WALSH PROFESSIONAL ENGINEERS ACCEPTS NO LIABILITY FOR ANY ERRORS OR OMISSIONS IN THE DATA PROVIDED. CONTRACTOR SHALL CONFIRM THE CORRECT COORDINATES WITH THE HORIZONTAL CURVE DATA PROVIDED ON THESE DRAWINGS.

LEGEND

- PROPOSED CONCRETE ROADWAY
- EXISTING CONCRETE FOOTPATH
- EXISTING STORMWATER DRAINAGE
- PROPOSED STORMWATER DRAINAGE
- EXISTING SEWER RETICULATION
- PROPOSED SEWER RETICULATION / S2
- EXISTING WATER RETICULATION / S2
- PROPOSED WATER RETICULATION / S2
- EXISTING ELECTRICAL RETICULATION
- EXISTING TELSTRA RETICULATION
- EXISTING OPTIC RETICULATION



PROPOSED UNIT DEVELOPMENT
at LOT 29, INNOVATION PARKWAY
for TYNONG PASTORAL COMPANY PTY LTD

WALSH
PROFESSIONAL ENGINEERS

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 1572 Wise Road, Manoogryville QLD
 PO Box 5912, Manoogryville BC, 4558
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 Web: <http://www.WalshEng.net.au>

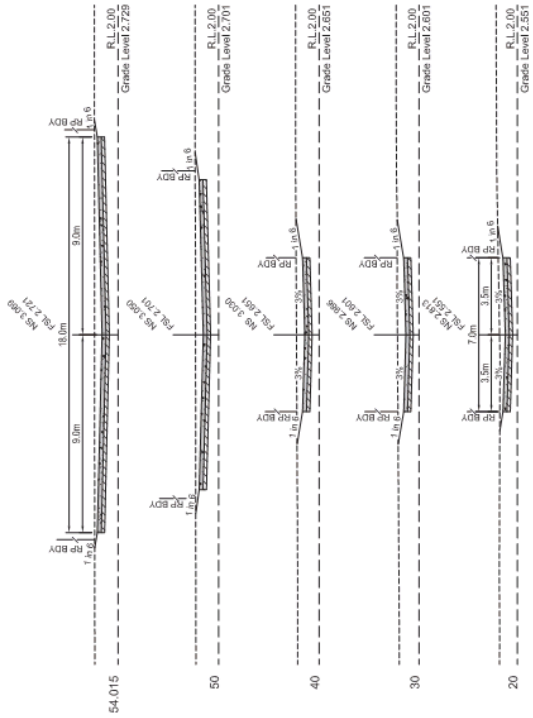
Design: 165
 Drawn: 165
 Date: 8/PT/2016
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 Datum: 2010

THE ONLY DRAWINGS MARKED FOR CONSTRUCTION AND BEARING AN ORIGINAL SIGNATURE SHALL BE USED FOR CONSTRUCTION PURPOSES
FOR APPROVAL
 NOT FOR CONSTRUCTION

NOT TO BE USED FOR CONSTRUCTION
 ALL OTHER PARAMETERS TO BE USED

DRAWING NO: C600716/R01
 REGION: B
 SHEET: 1 of 3

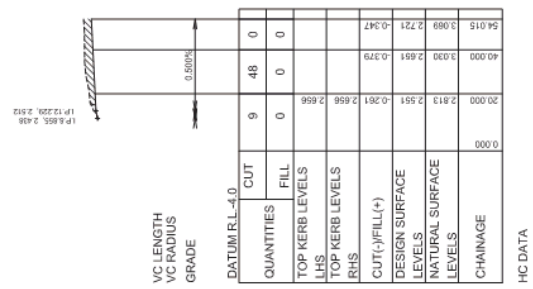
PAVEMENT DETAILS
 180mm CONCRETE SLAB (F_c=32MPa)
 S1.2 MESH (WITH 50 TOP COVER)
 150mm CEMENT TREATED SUB BASE TYPE 2 (MAX 3% CTB)
EXACT PAVEMENT DEPTHS TO BE DETERMINED BY SUPERVISING ENGINEER.
 REFER TO DAG (R3) FOR CONCRETE JOINTING LAYOUT.



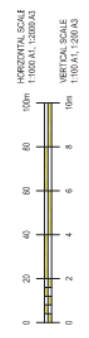
ROAD 1 - CROSS SECTIONS

ROAD 1 - CONTROL LINE DETAILS

PT	CHANGING	EASTING	NORTHINGS	BEARING	IRAD/SPIRAL TANGENT	DEF ANGLE	ARC LEN
IP1	0.000	5943.589	9872.229	306416°15'			
IP2	54.015	5919.041	9904.184	306416°15'			



ROAD 1 - LONGITUDINAL SECTION



DESIGN TITLE: ROAD 1 LONGITUDINAL AND CROSS SECTIONS
 DRAWING NO: C600716/R02
 REGION: A
 SHEET: 2 of 3

PROJECT: PROPOSED UNIT DEVELOPMENT at LOT 29, INNOVATION PARKWAY for TYNONG PASTORAL COMPANY PTY LTD

DESIGN: 165
 DATE: 16/07/2016
 CHECKED: [Signature]
 DATE: 20/07/2016

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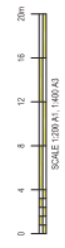
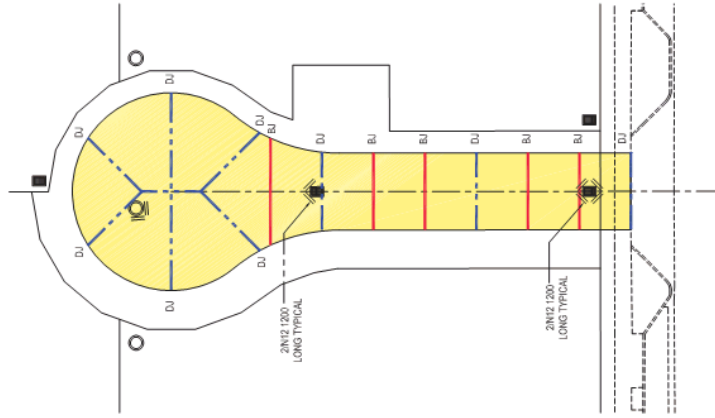
WALSH PROFESSIONAL ENGINEERS
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 1572 Wise Road, Manlygoose QLD
 PO Box 5932, Manlygoose BC, 4558
 Email: Engineers@WalshEng.net.au
 Web: http://www.WalshEng.net.au

DATE: 20/07/2016

CONCRETE ACCESS DRIVEWAY DETAILS

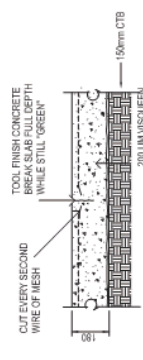
150mm CONCRETE SLAB (FC=20MPa)
 (SLU2 MESH WITH 50 TOP COVER) ON 100mm GEBENT TREATED SUB
 GRADE. ALL REINFORCEMENT TO BE PLACED TO THE CORRECT
 EXACT PAVEMENT DEPTHS TO BE DETERMINED BY GEOTECHNICAL
 ENGINEER.

NOTE:
 REFER TO LANDSCAPE ARCHITECTS PLANS FOR CONCRETE FINISH
 / COLOURS. IF EXPOSED AGGREGATE IS SPECIFIED THEN THE
 CONTRACTOR MUST SUPPLY SAMPLES OF AGGREGATE SIZE AND
 COLOUR FOR APPROVAL PRIOR TO PLACEMENT OF ANY
 CONCRETE PAVEMENT.

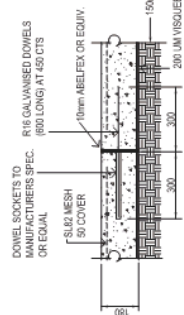


TESTING:
 ALL CONCRETE TESTING IS TO BE CARRIED OUT BY A NATA REGISTERED LABORATORY,
 IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF AS 1012.
 THE REQUIREMENTS OF THE MANUFACTURER'S QUALITY ASSURANCE PROGRAM.
 A MINIMUM OF ONE TEST (3 CYLINDERS) IS TO BE TAKEN FROM EACH ELEMENT CAST ON ANY
 GIVEN DAY (E.G. COLUMNS, FOOTINGS, ETC).
 A MINIMUM OF ONE TEST (3 CYLINDERS) IS TO BE TAKEN FROM EACH CONCRETE STRENGTH
 GRADE CAST ON ANY GIVEN DAY.
 A MINIMUM OF ONE TEST (3 CYLINDERS) IS TO BE TAKEN FROM EACH 50M² OR PART
 THEREOF.
 ALL SAMPLES ARE TO BE TAKEN FROM THE AGGREGATOR, ON SITE.
 IF WATER IS ADDED ON SITE, WITH THE ENGINEER'S PERMISSION, SAMPLES FOR TESTING
 SHALL BE TAKEN AFTER THE ADDITION OF WATER.

CURING:
 ALL CONCRETE IS TO BE CURED BY AN APPROVED METHOD FOR A MINIMUM OF 28 DAYS AFTER
 FINISHING.
 SHALL GENERALLY CONSIST OF ONE OR A COMBINATION OF THE FOLLOWING METHODS :
 COMPLETE ENCASEMENT IN A WATERPROOF FILM (E.G. POLYTHENE);
 APPLICATION OF AN APPROVED CURING COMPOUND.



BOLSTER JOINT (BJ)
 N.T.S.



DOWEL JOINT (DJ)
 N.T.S.

REINFORCED CONCRETE NOTES:
 GENERALLY CONCRETE SHALL BE IN ACCORDANCE WITH AUSTRALIAN STANDARD SPECIFICATIONS

- AS 3600-1994
- AS 1012-2012
- AS 1017-2013
- AS 3683-2013
- AS 3682-1
- AS 1141
- AS 1142
- AS 1320
- AS 1304
- AS 3972
- AS 1379
- AS 2738
- AS 1473, 1479
- AS 3610

SUPPLY:

- ALL CONCRETE IS TO BE SUPPLIED BY A LICENSED (READY MIXED) CONCRETE MANUFACTURER.
- NO ON SITE BATCHING IS ACCEPTABLE.
- MANUFACTURERS MUST HAVE AN APPROVED AND CERTIFIED QUALITY ASSURANCE PROGRAM IN PLACE AND BE APPROVED BY THE ENGINEER PRIOR TO SUPPLY OF ANY CONCRETE.
- ALL MATERIALS, STORAGE, BATCHING, ETC TO CONFORM TO THE REQUIREMENTS OF THE RELEVANT AUSTRALIAN STANDARDS.
- ALL CONCRETE TO BE SUPPLIED WITH AS 4880 UNLESS NOTED OTHERWISE.
- ALL CONCRETE TO BE SUPPLIED WITH AS 4880 UNLESS NOTED OTHERWISE.
- ALL CONCRETE TO BE SUPPLIED WITH AS 4880 UNLESS NOTED OTHERWISE.
- ALL CONCRETE TO BE SUPPLIED WITH AS 4880 UNLESS NOTED OTHERWISE.
- ALL REINFORCEMENT TO BE SUPPLIED BY A REGISTERED MANUFACTURER WITH AN APPROVED AND CERTIFIED QUALITY ASSURANCE PROGRAM IN PLACE. ALL REINFORCEMENT IS TO COMPLY WITH THE REQUIREMENTS OF AS 1302, AS 1303 AND AS 1304 AS APPLICABLE.
- ALL REINFORCEMENT IS TO BE DELIVERED TO SITE FREE FROM OIL, GREASE OR OTHER SURFACE CONTAMINANTS WHICH MAY IMPAIR BOND TO CONCRETE.
- ALL REINFORCEMENT TO BE 350 MPa MINIMUM YIELD UNLESS NOTED OTHERWISE.

FORMWORK:

- ALL CONCRETE OTHER THAN CAST AGAINST GROUND, SHALL BE PLACED AGAINST TIMBER PLYWOOD OR STEEL FORMS.
- ALL FORMWORK SHALL COMPLY WITH THE REQUIREMENTS OF AS 1509 AND AS 1510.
- REFER ARCHITECT'S DRAWINGS FOR REQUIRED FORMWORK CLASS WHERE APPLICABLE. CLASS B FORMWORK IS TO BE USED FOR ALL FORMWORK UNLESS NOTED OTHERWISE.
- ALL TEMPORARY FORMWORK, FALSEWORK, PROPPING, BRACING, TO BE DESIGNED AND CERTIFIED BY A REGISTERED PROFESSIONAL ENGINEER (RPE) PRIOR TO ERECTION.
- ALL REINFORCEMENT TO BE SUPPORTED OFF FORMS WITH PLASTIC OR PLASTIC TIPPED WIRE CHAIRS TO PROVIDE THE SPECIFIED COVER. ALL CONCRETE CAST AGAINST GROUND TO BE UNDERLAIN BY WATERPROOF MEMBRANE.

TRANSPORT :

- ALL CONCRETE IS TO BE TRANSPORTED TO SITE IN AGITATOR TRUCKS.
- CONCRETE NOT PLACED WITHIN ONE HOUR AFTER BATCHING MAY BE REJECTED AT THE ENGINEER'S DISCRETION.

PLACEMENT, COMPACTION AND FINISHING :

- CONCRETE TO BE PLACED IN FORMS BY HORIZONTAL CHUTING NO MORE THAN 3M. CONCRETE PUMPING OR HEBLING UNDER NO CIRCUMSTANCES SHALL CONCRETE BE INDICATED TO FLOW HORIZONTALLY BY USE OF VIBRATORS.
- ALL CONCRETE SHALL BE PLACED CONTINUOUSLY BETWEEN CONSTRUCTION JOINTS AS DETAILED.
- ALL CONSTRUCTION JOINTS SHALL BE LOCATED AS DETAILED ON DRAWINGS OR AS INSTRUCTED IN WRITING BY THE ENGINEER.
- ALL CONCRETE IS TO BE COMPACTED UPON PLACEMENT USING 50MM DIAMETER VIBRATORS.
- SLABS AND BEAMS ARE TO HAVE A FILM OF APPROVED ALPHATIC OIL APPLIED TO THE SURFACE, DIRECTLY AFTER SCREEDING, PRIOR TO FLOATING, REGARDLESS OF WEATHER CONDITIONS.
- ADDITIONAL PROTECTIVE MEASURES SUCH AS CHILLED MIX WATER, SHADING PLACEMENT AREAS, WIND BREAKS, ETC MAY BE REQUIRED BY THE ENGINEER IF FLOATING CONCRETE DURING UNUSUAL COLD WEATHER CONDITIONS.
- ALL CONCRETE TO BE FINISHED UNLESS NOTED OTHERWISE.
- BROOM FINISHING, WHERE SPECIFIED, SHALL BE CARRIED OUT AFTER STEEL TROWEL FINISHING.
- ALL CONCRETE TO BE ORDERED AND PLACED AT 800MM SLUMP UNLESS NOTED OTHERWISE.
- NO WATER TO BE ADDED ON SITE UNLESS APPROVED BY THE ENGINEER.

PROPOSED UNIT DEVELOPMENT
 at LOT 29, INNOVATION PARKWAY
 for TYNONG PASTORAL COMPANY PTY LTD

PROJ: C600716/R003
 SHEET: 3 of 3

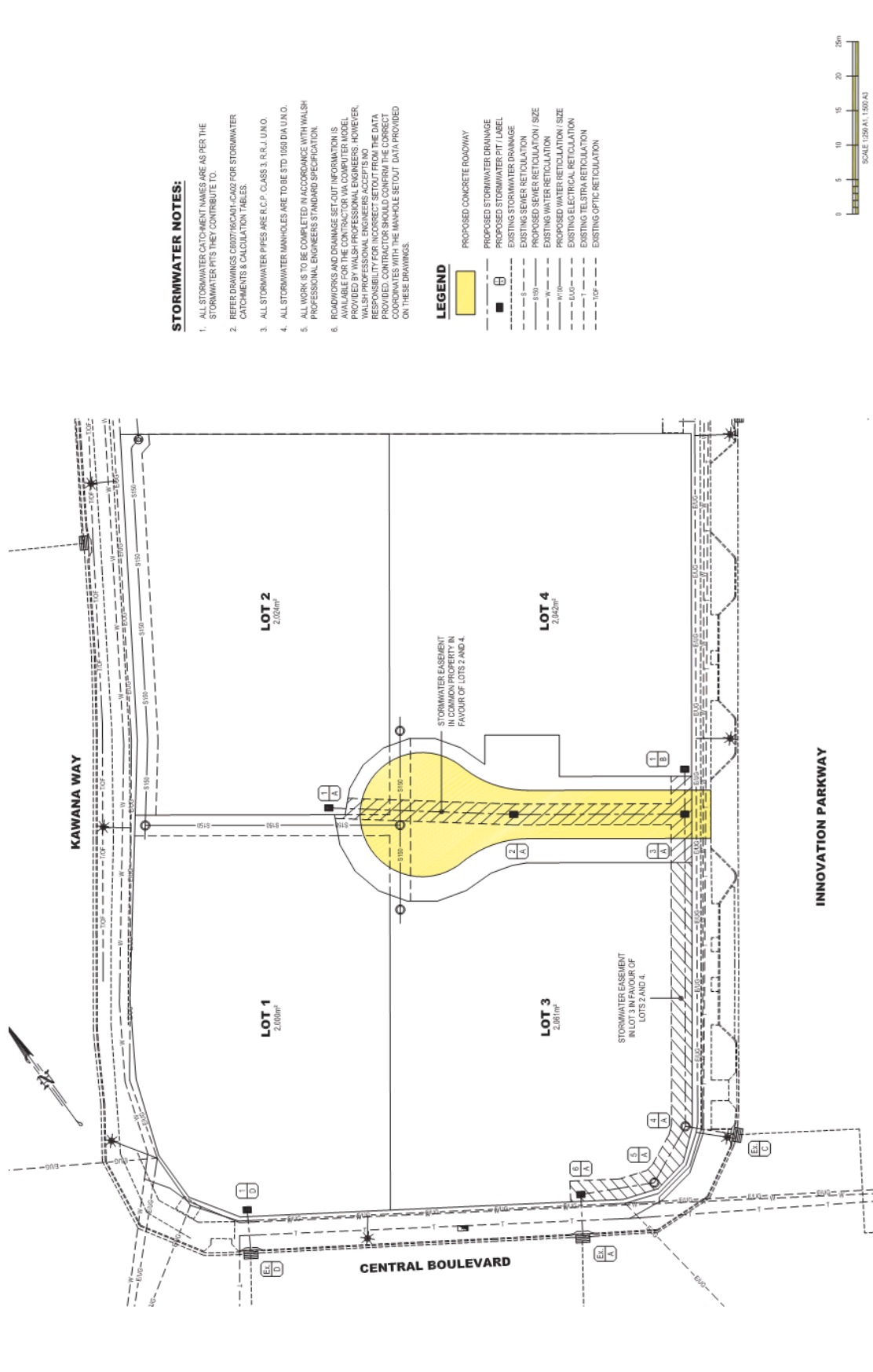
WALSH
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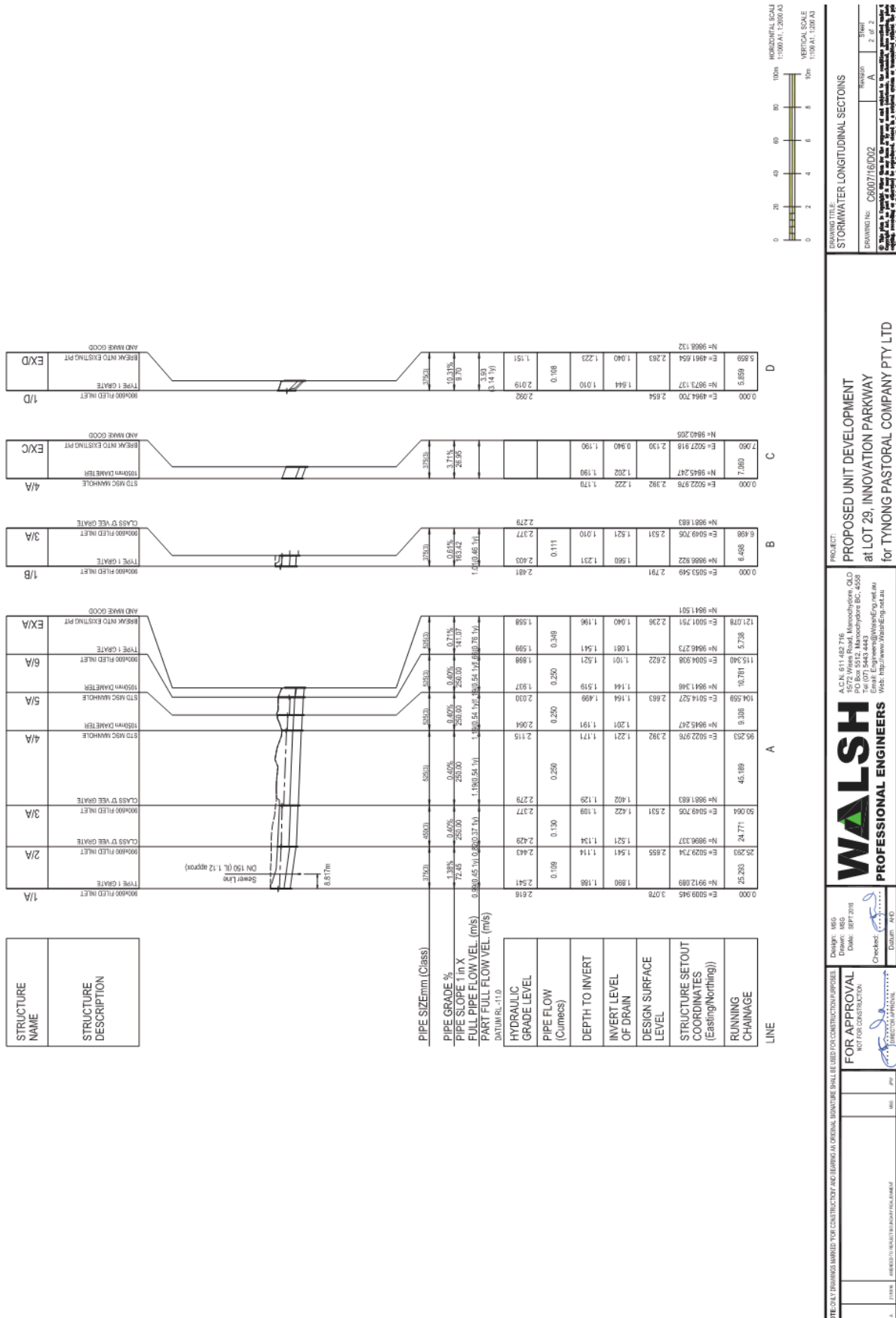
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 NOT FOR CONSTRUCTION

[Signature]
 DIRECTOR (PROFESSIONAL)



PROJECT: PROPOSED UNIT DEVELOPMENT at LOT 29, INNOVATION PARKWAY for TYNONG PASTORAL COMPANY PTY LTD
 A.C.N. 611 482 716
 1572 Wise Road, Manoochyvale, QLD
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 Design: 165
 Date: 8/PT 2016
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 Datum: 2010
 FOR APPROVAL NOT FOR CONSTRUCTION
 [Signature]
 DIRECTOR (PROFESSIONAL)
 WALSH PROFESSIONAL ENGINEERS
 DRAWING NO: C600716SD01
 REGION: C
 SHEET: 1 of 2
 SCALE: 1:500 A3
 SCALE: 1:500 A3
 INNOVATION PARKWAY
 STORMWATER LAYOUT PLAN



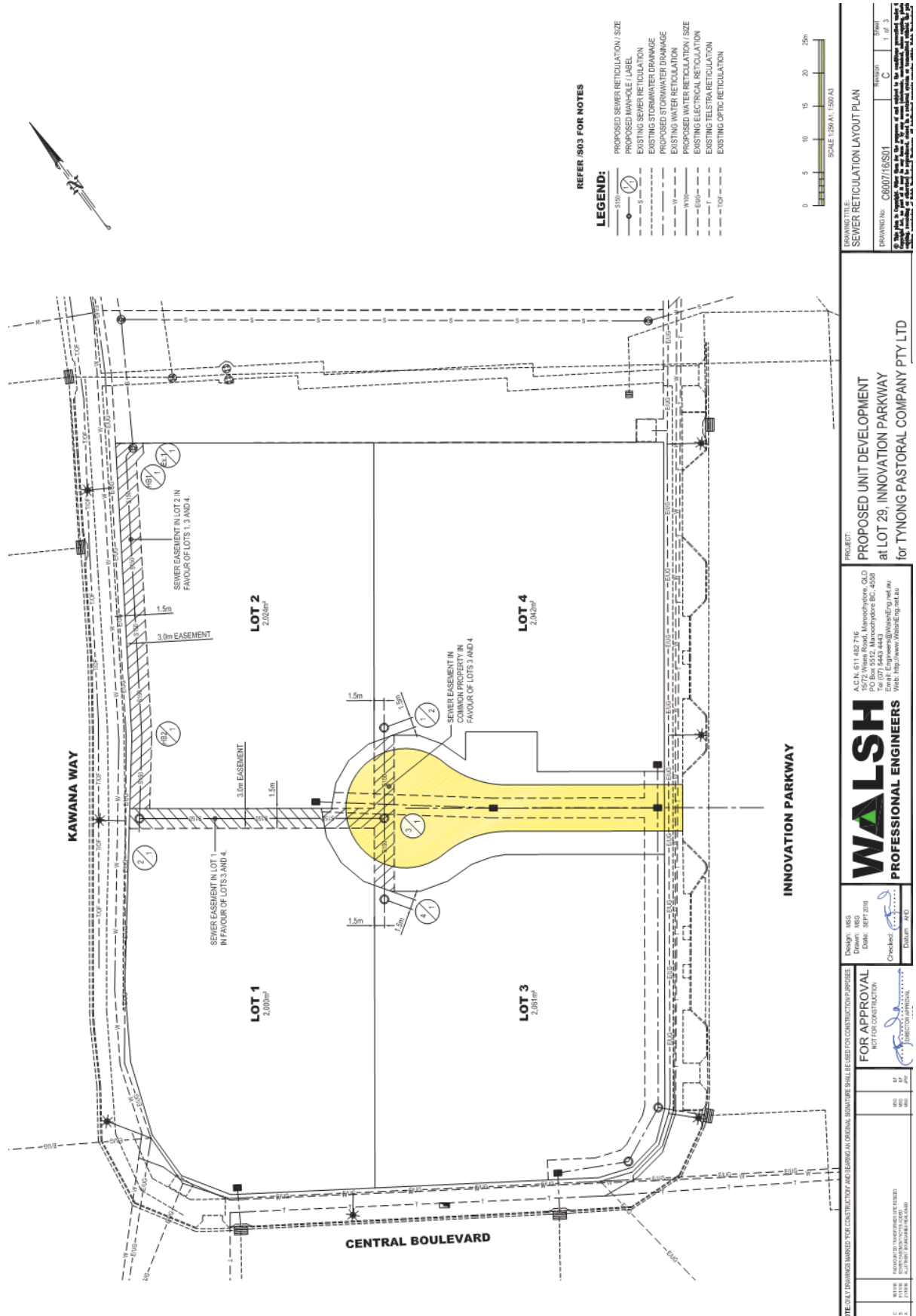
PROPOSED UNIT DEVELOPMENT
 at LOT 29, INNOVATION PARKWAY
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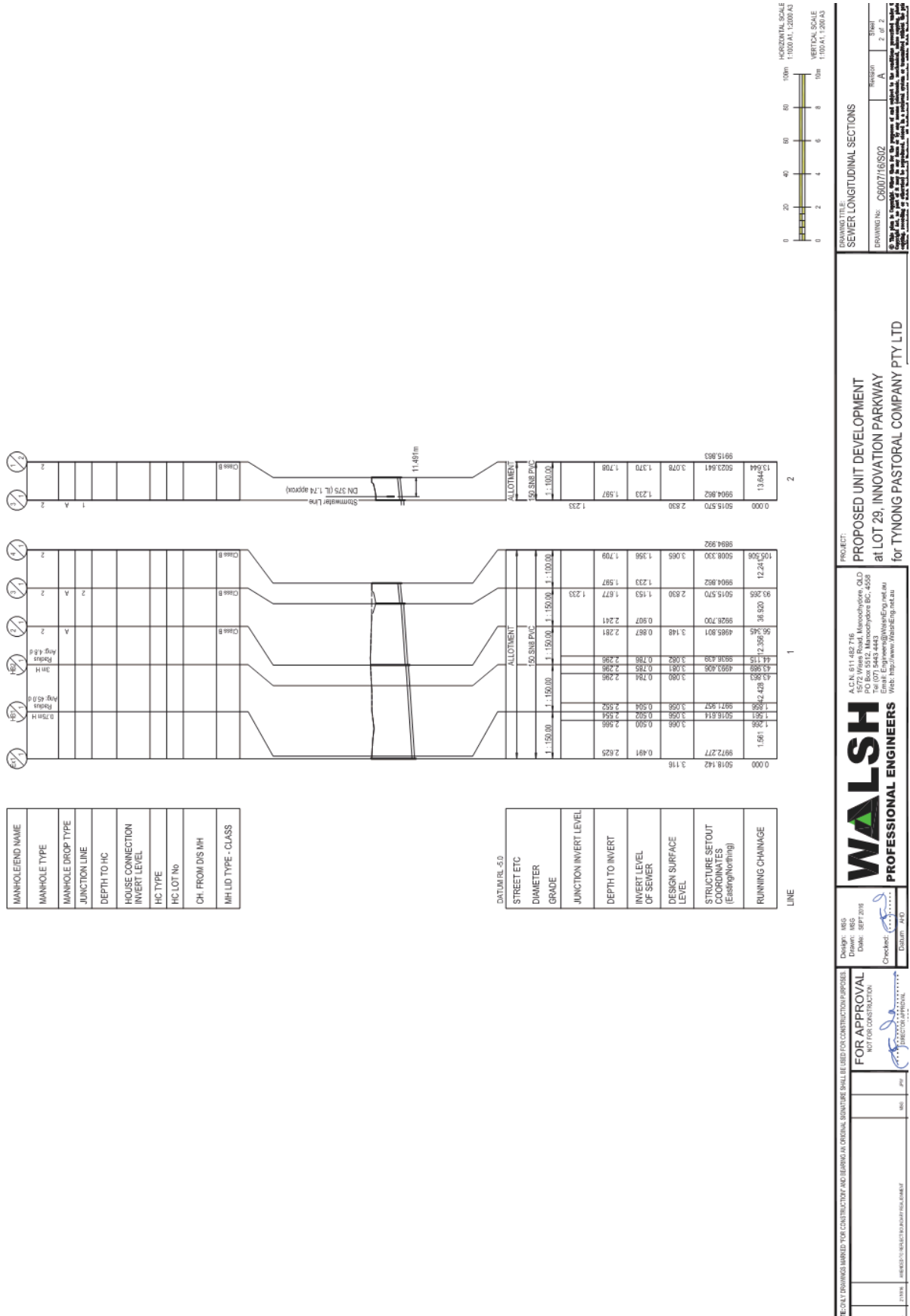
PROFESSIONAL ENGINEERS
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DESIGN: 165
 DATE: 08/11/16
 CHECKED: [Signature]
 DATE: 20/11/16

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DATE: 20/11/16





DRAWING TITLE: SEWER LONGITUDINAL SECTIONS
 DRAWING NO: C600716/S02
 REGION: A
 SHEET: 2 of 2

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PROJECT: PROPOSED UNIT DEVELOPMENT at LOT 29, INNOVATION PARKWAY for TYNONG PASTORAL COMPANY PTY LTD
 Design: 165
 Drawn: 165
 Date: 8/8/2016
 Checked: [Signature]
 Datum: 2010

THESE DRAWINGS ARE TO BE USED FOR CONSTRUCTION PURPOSES ONLY.
 NOT FOR CONSTRUCTION.
 FOR APPROVAL [Signature] DIRECTOR [Signature]

ENVIRONMENTAL CONDITIONS:

VEGETATION PROTECTION:

- A. TREES LOCATED ALONG THE FOOTPATH SHALL BE TRANSPLANTED PRIOR TO CONSTRUCTION, OR REPLACED IF DESTROYED.
- B. WHEN WORKING WITHIN 4m OF TREES, RUBBER OR HARDWOOD GRIDLES SHALL BE VERTICALLY FROM GROUND LEVEL. GRIDLES SHALL BE STRAPPED TO TREES PRIOR TO CONSTRUCTION AND REMAIN UNTIL COMPLETION.
- C. TREE ROOTS SHALL BE TUNNELED UNDER, RATHER THAN SEVERED. IF ROOTS ARE SEVERED, THE CONTRACTOR SHALL CONTACT THE LOCAL COUNCIL FOR FURTHER ADVICE.
- D. ANY TREE LOPPING REQUIRED SHOULD BE UNDERTAKEN BY AN APPROVED ARBORIST.

SOIL:

- A. TOPSOIL AND SUBSOIL SHALL BE STOCKPILED SEPARATELY.
- B. CARE SHALL BE TAKEN TO PREVENT SEDIMENT FROM ENTERING THE CREEK OR INTO STOCKPILES. WHERE PLACING APPROPRIATE SEDIMENT CONTROLS AROUND STOCKPILES.
- C. ACID SULPHATE SOILS EXIST IN THE WORKS AREA. THE OUTPUTS FROM THE RISK ASSESSMENT BASED ON THE QUEENSLAND ACID SULPHATE SOIL TECHNICAL MANUAL REQUIRES THAT ACID SULPHATE SOILS BE MANAGED AS FOLLOWS: (DELETE IF NO ACID SULPHATE SOILS)

CREEK CROSSINGS:

- A. SEDIMENT CONTROL MEASURES SHALL BE PLACED DOWNSTREAM OF ANY EXCAVATION WORK.
- B. APPROPRIATE SEDIMENT CONTROLS SHALL BE USED TO PREVENT SEDIMENT FROM ENTERING THE CREEK.
- C. NO SOIL SHALL BE STOCKPILED WITHIN 5m OF THE CREEK.

REHABILITATION:

- A. PRE-EXISTING SOIL PROFILES AND COMPACTION LEVELS SHALL BE REHABILITATED.
- B. PRE-EXISTING VEGETATION PATTERNS SHALL BE RESTORED.

SAFETY:

- A. THE DESIGN AND CONSTRUCTION OF THE WORKS SHALL COMPLY WITH ALL QUEENSLAND LEGISLATION.

GENERAL NOTES:

1. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH CURRENT SOUTH EAST QUEENSLAND SEWERAGE CODE SPECIFICATIONS AND STANDARDS.
2. UNLESS SPECIFIED OTHERWISE ALL MATERIALS AND WORK SHALL COMPLY WITH THE RELEVANT AUSTRALIAN STANDARDS.
3. THE CONSTRUCTION OF THE SEWERAGE WORK SHOWN ON THIS DRAWING SHALL BE IN ACCORDANCE WITH THE SEWERAGE CODE. ALL WORK SHALL BE PERMITTED TO CONNECT INTO UNITS WATER SEWERAGE SYSTEM.
4. ALL WORK ASSOCIATED WITH LIVE SEWERS OR MAINTENANCE HOLES SHALL BE CARRIED OUT BY UNITY WATER AT THE DEVELOPER'S COST.
5. ALL PIPES AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE "ACCEPTED PRODUCTS AND MATERIALS" LIST.
6. EACH ALLOTMENT SHALL BE SERVED BY A DN100 PE (OR DN100 PVC) PROPERTY CONNECTION. FOR ALLOTMENTS OTHER THAN SINGLE RESIDENTIAL, A DN150 PE (OR DN150 PVC) PROPERTY CONNECTION SHALL BE PROVIDED.
7. ALL SEWER CONNECTIONS SHALL BE LOCATED WITHIN THE PROPERTY AS SHOWN IN THE DRAWINGS.
8. PROPERTY CONNECTION BRANCHES SHALL EXTEND INTO THE PROPERTY A MINIMUM OF 500mm AND A MAXIMUM OF 750mm.
9. WHERE PIPES ARE LAID IN FILL, THE FILLING SHALL BE CARRIED OUT IN LAYERS NOT EXCEEDING 300mm (LOOSE) IN DEPTH AND SHALL BE COMPACTED UNTIL THE COMPACTION IS NOT LESS THAN 95% OF THE MATERIALS MAXIMUM COMPACTION WHEN TESTED IN ACCORDANCE WITH A.S. 1028 MODIFIED COMPACTION.
10. ALL CONSTRUCTION WORK SHALL BE IN ACCORDANCE WITH THE SEWERAGE CODE. APPROVAL OF CONSTRUCTED SEWERS WILL NOT BE ISSUED BY THE SEO SERVICE PROVIDER UNLESS CERTIFICATES ARE PRODUCED CERTIFYING THAT THE REQUIRED COMPACTION HAS BEEN ACHIEVED.
11. WHERE SEWERS HAVE A GRADE OF 1 IN 20 OR STEEPER, BULKHEADS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE SEO SEWER CODE.
12. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF EXISTING SERVICES WITH RELEVANT AUTHORITIES BEFORE COMMENCING WORKS.
13. SEWERS SHALL BE DISUSED/ABANDONED IN ACCORDANCE WITH PROCEDURES SET OUT IN THE SEO SEWER CODE.
14. BENCH MARK AND LEVELS TO 140.
15. EXISTING ALLOTMENTS REQUIRING A PROPERTY CONNECTION FROM EXISTING SEWERS SHALL BE PROVIDED BY UNITY WATER AT THE DEVELOPER'S COST.

ALL ENVIRONMENT PROTECTION MEASURES SHOULD BE IMPLEMENTED PRIOR TO ANY CONSTRUCTION WORK, INCLUDING CLEARING, COMBATING

SEWER RETICULATION NOTES

1. NOT ALL SERVICES HAVE NECESSARILY BEEN RECORDED AND SHOWN ON THE DRAWINGS. THE CONTRACTOR IS RESPONSIBLE TO LIAISE WITH THE RELEVANT SERVICE AUTHORITY PRIOR TO COMMENCEMENT OF ANY EXISTING SERVICE UTILITIES. THE CONTRACTOR SHALL BEAR THE COST OF ANY DAMAGE TO EXISTING SERVICES.
2. THE CONTRACTOR SHALL OBTAIN ALL AS-CONSTRUCTED SURVEY FOR BACKSIGHTING. ALL SURVEYS TO BE CARRIED OUT BY A LICENSED SURVEYOR TO THE REQUIREMENTS OF THE SHIRE ENGINEER.
3. PRIOR TO ON & OFF MAINTENANCE INSPECTIONS THE CONTRACTOR SHALL PROVIDE CCTV INSPECTION DATA IN ACCORDANCE WITH NSW PART 3 SECTION 267.
4. DETECTABLE MARKER TAPE SHALL BE PROVIDED EITHER ABOVE THE EMBEDED ZONE OR 1000 BELOW THE FSL, WHICHEVER IS CLOSER TO THE FSL.
5. ALL LEVELS, CHANGES AND DISTANCES ARE IN METRES.
6. REFER SEO-SERV-200 SERIES FOR BEDDING AND BACKFILL REQUIREMENTS.
7. REFER SEO-SERV-100 SERIES FOR MAINTENANCE STRUCTURE TYPES AND DROPS AND FOR RGSS COMPLIANT APURTANCES.
8. PIPE MATERIAL TO BE SPECIFIED AS REQUIRED BY RGSS (PVC), PN12-PVCU TO BE USED WHERE SEWER MAIN IS GREATER THAN 3.0m IN DEPTH OR WHERE LAID WITH REDUCED COVER.
9. REFER SEO-SERV-104 AND SEO-SERV-105 FOR PROPERTY CONNECTION TYPES.
10. DETAILS OF STANDARD DN150 LONG RADIUS PVC BENDS ARE SHOWN ON STD DWG: SEO-SERV-134-3.
11. PE BENDERS SHALL BE PE100 MIN SDR21 TO AS/NZS 4130. VC SEWERS SHALL BE CLASS 4 AS1474 OR SDR21 TO EN6051. LIPVC SEWERS SHALL BE CLASS 4 AS1474 OR SDR21 TO EN6051. UNLESS NOTED OTHERWISE TO THE CONTRARY, ALL SEWERS SHALL BE CLASS 4 TO EN6051 AND POLYETHYLENE SLEEVED.
12. CCTV INSPECTION REPORTS TO BE PROVIDED TO UNITY WATER PRIOR TO APPLICATION OF CERTIFICATE OF COMPLETION.

SERVICE PROVIDER AND CONTRACTOR LIVE SEWER WORKS SCHEDULE

No.	DESCRIPTION	DIA SEWER	M/H No	M/H TYPE	COVER TYPE	LOT No.	F.S.L	E.S.L	LL	DEPTH
1[A]	AGENCY TO BREAK INTO EXISTING MANHOLE 3/4" AND CONSTRUCT 150mm SLUB (TEMPORARILY END CAPPED) PRIOR TO START OF CONSTRUCTION	150mm S18	Eh1A	EXISTING	(E)	LOT 29 SP181069	3.116	3.116	0.481	2.625
1[B]	0.5m FROM STUB END CAP, CONTRACTOR TO LAY 'NEW' LINE B' AFTER CLEANSING, TESTING AND INSPECTING NOTIFY AGENCY.						3.600 TOP OF RAISED LID	3.890 TOP OF RAISED LID		3.109
1[C]	AGENCY TO REMOVE TEMPORARY END CAPS ON STUBS AND 'LINE B' AND MAKE LIVE CONNECTIONS AFTER SUCCESSFUL 'ON MAINTENANCE' INSPECTION.									

* AGENCY MEANS GOLD COAST CITY COUNCIL OR LOGAN CITY COUNCIL OR REDLAND CITY COUNCIL OR QUEENSLAND IRRIGATION AND URBAN UTILITIES OR UNITY WATER (APPROVAL VALID FOR 12 MONTHS FROM DATE SHOWN) WITH ALL WORK TO BE PAID FOR BY THE DEVELOPER VIA QUOTATION APPLICATION.

PROPERTY CONNECTIONS HAVE BEEN DESIGNED TO CONTROL THE REQUIRED SERVICE AREA OF EACH LOT AT A GRADE OF 1:50 UNLESS OTHERWISE STATED. FOR JUNCTION DETAILS REFER SEO-SERV-104 AND SEO-SERV-105-1.

NAME OF ESTATE	"T.B.A."
SUBDIVISOR	PARTNERS IN PROPERTY LTD.
APPLICATION NUMBER	T.B.A.
SP PROVIDER	T.B.A.
APPROVAL DATE	
NO. OF ALLOTMENTS	4
AREA IN Ha	0.50
LENGTH OF SEWERS	100mm - 150mm - 113.4m - 225mm

THESE DRAWINGS ARE FOR INFORMATION ONLY. THEY ARE NOT TO BE USED FOR CONSTRUCTION PURPOSES. THE DESIGNER AND CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY APPROVALS FROM THE RELEVANT AUTHORITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY APPROVALS FROM THE RELEVANT AUTHORITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY APPROVALS FROM THE RELEVANT AUTHORITIES.

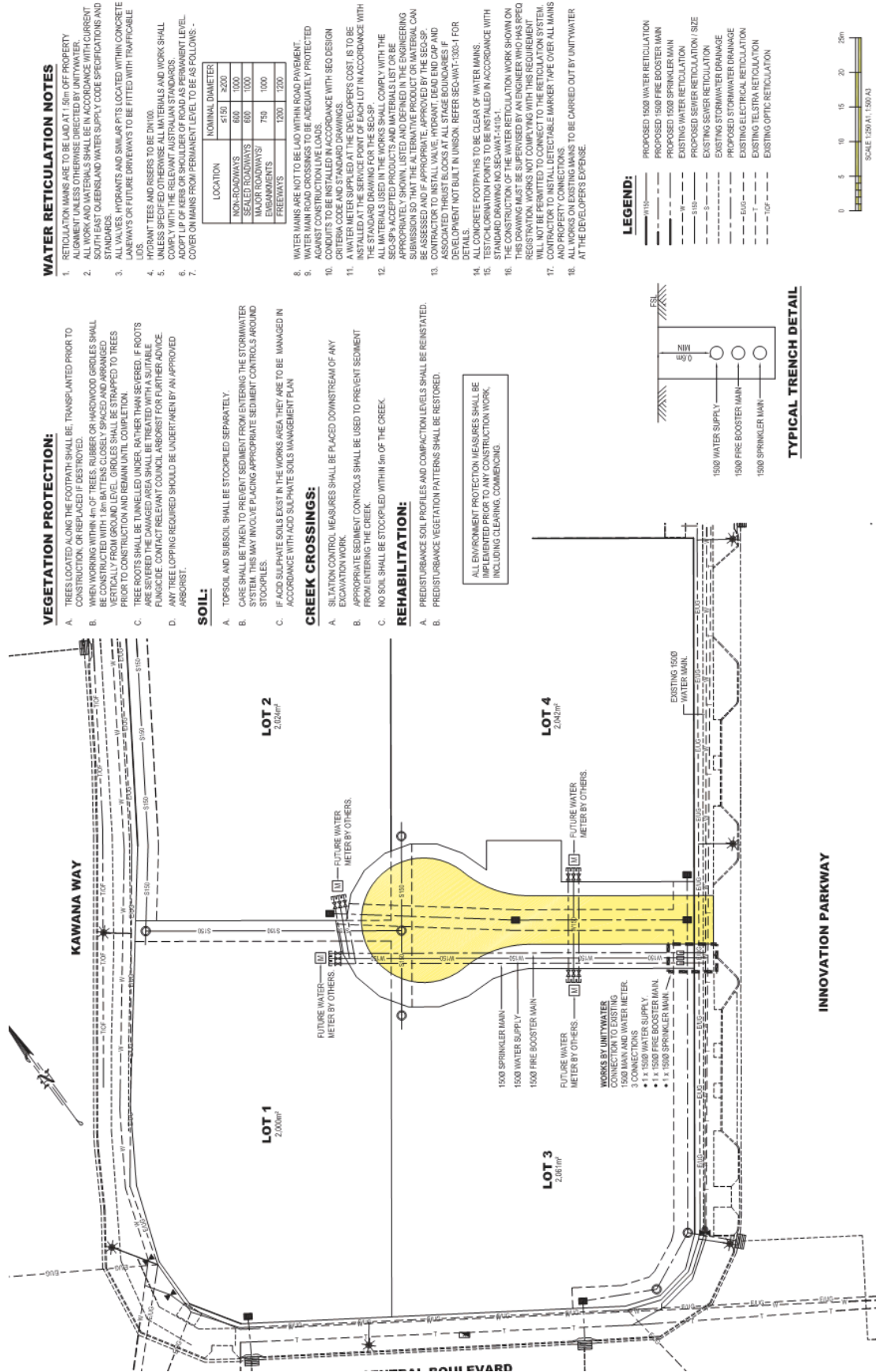
DESIGN: 165
 DATE: 03/14/16
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 DATE: 24/01/17

FOR APPROVAL
 NOT FOR CONSTRUCTION

PROPOSED UNIT DEVELOPMENT
 at LOT 29, INNOVATION PARKWAY
 for TYNONG PASTORAL COMPANY PTY LTD

PROJECT: SEWER RETICULATION ESTATE DETAILS AND NOTES
 DRAWING NO: C600716/S03
 SHEET: 3 of 3

WALSH PROFESSIONAL ENGINEERS
 A.C.N. 611 482 716
 1572 Wise Road, Manlywood QLD
 PO Box 5932, Manlywood BC, 4558
 Email: Engineers@WalshEng.net.au
 Web: http://www.WalshEng.net.au



WATER RETICULATION NOTES

- RETICULATION MAINS ARE TO BE LAID AT 1.5m OFF PROPERTY ALIGNMENT UNLESS OTHERWISE DIRECTED BY UNITY WATER.
- ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH CURRENT SOUTH EAST QUEENSLAND WATER SUPPLY CODE SPECIFICATIONS AND STANDARDS.
- ALL MAINS, HYDRANTS AND SIGNAL POSTS LOCATED WITHIN CONCRETE LANEWAYS OR FUTURE DRIVEWAYS ARE TO BE FITTED WITH TRAFFICABLE LIDS.
- HYDRANT TEES AND RISERS TO BE DN100.
- UNLESS SPECIFIED OTHERWISE ALL MATERIALS AND WORK SHALL COMPLY WITH THE RELEVANT AUSTRALIAN STANDARDS.
- ALL MAINS TO BE INSTALLED TO A MINIMUM COVER LEVEL.
- COVER ON MAINS FROM PERMANENT LEVEL TO BE AS FOLLOWS:-

LOCATION	NOMINAL DIAMETER
NON-ROADWAYS	≤150
SEALED ROADWAYS	600
UNPAVED ROADWAYS	800
EXPOSED PITS	750
FREEWAYS	1200
	2000

- WATER MAINS ARE NOT TO BE LAID WITHIN ROAD PAVEMENT.
- ALL MAINS ARE TO BE ADEQUATELY PROTECTED AGAINST CONSTRUCTION LOADS.
- CONDUITS TO BE INSTALLED IN ACCORDANCE WITH SED DESIGN CRITERIA CODE AND STANDARD DRAWINGS.
- A WATER METER SUPPLIED AT THE DEVELOPER'S COST, IS TO BE INSTALLED AT THE SERVICE POINT OF EACH LOT IN ACCORDANCE WITH THE STANDARDS USED IN THE SITE PLAN.
- ALL MATERIALS USED IN THE WORKS SHALL COMPLY WITH THE SED/SP ACCEPTED PRODUCTS AND MATERIALS LIST OR BE APPROPRIATELY SHOWN, LISTED AND DEFINED IN THE ENGINEERING SUBMISSION SO THAT THE ALTERNATIVE PRODUCT OR MATERIAL CAN BE ASSESSED AND IF APPROPRIATE, APPROVED BY THE SED/SP.
- CONTRACTOR TO INSTALL VALVE, HYDRANT, DEAD END CAP AND REGULATOR TO ALL MAINS.
- CONTRACTOR TO INSTALL VALVE, HYDRANT, DEAD END CAP AND REGULATOR NOT BUILT IN UNISON. REFER SEQ-WAY-1004 FOR DETAILS.
- ALL CONCRETE FOOTPATHS TO BE CLEAR OF WATER MAINS.
- TEST/CHLORINATION POINTS TO BE INSTALLED IN ACCORDANCE WITH STANDARD DRAWING NO. SEQ-WAY-1012.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY REGISTRATIONS AND NOTIFICATIONS FROM ALL RELEVANT AUTHORITIES. THIS DRAWING MUST BE SUPERSEDED BY AN ENGINEER WHO HAS SEEN REGISTRATIONS NOT COMPLYING WITH THIS REQUIREMENT.
- WILL NOT BE PERMITTED TO CONNECT TO THE RETICULATION SYSTEM.
- CONTRACTOR TO INSTALL DETECTABLE MARKER TAPE OVER ALL MAINS AND PROPERTY CONNECTIONS.
- ALL WORKS ON EXISTING MAINS TO BE CARRIED OUT BY UNITY WATER AT THE DEVELOPER'S EXPENSE.

VEGETATION PROTECTION:

- TREES LOCATED ALONG THE FOOTPATHS SHALL BE TRANSPORTED PRIOR TO CONSTRUCTION, OR REPLACED IF DESTROYED.
- WHEN WORKING WITHIN 4m OF TREES, RUBBER OR HARDWOOD GROGLES SHALL BE CONSTRUCTED WITH 1.8m BATTENS CLOSELY SPACED AND ARRANGED VERTICALLY FROM GROUND LEVEL. GROGLES SHALL BE STRAPPED TO TREES PRIOR TO CONSTRUCTION AND REMAIN UNTIL COMPLETION.
- TREE ROOTS SHALL BE TUNNELED UNDER, RATHER THAN SEVERED. IF ROOTS ARE SEVERED THE DAMAGED AREA SHALL BE TREATED WITH A SUITABLE FUNGICIDE. CONTACT RELEVANT COUNCIL LABORIST FOR FURTHER ADVICE.
- ANY TREE LOPPING REQUIRED SHOULD BE UNDERTAKEN BY AN APPROVED ARBORIST.

SOIL:

- TOPSOIL AND SUBSOIL SHALL BE STOCKPILED SEPARATELY.
- CARE SHALL BE TAKEN TO PREVENT SEDIMENT FROM ENTERING THE STORMWATER SYSTEM. THIS MAY INVOLVE PLACING APPROPRIATE SEDIMENT CONTROLS AROUND STOCKPILES.
- IF ACID SULPHATE SOILS EXIST IN THE WORKS AREA THEY ARE TO BE MANAGED IN ACCORDANCE WITH ACID SULPHATE SOILS MANAGEMENT PLAN.

CREEK CROSSINGS:

- SILTATION CONTROL MEASURES SHALL BE PLACED DOWNSTREAM OF ANY EXCAVATION WORK.
- APPROPRIATE SEDIMENT CONTROLS SHALL BE USED TO PREVENT SEDIMENT FROM ENTERING THE CREEK.
- NO SOIL SHALL BE STOCKPILED WITHIN 5m OF THE CREEK.

REHABILITATION:

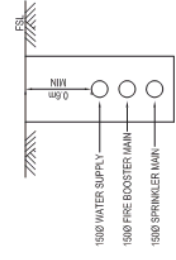
- PREDISTURBANCE SOIL PROFILES AND COMPACTION LEVELS SHALL BE REINSTATED.
- PREDISTURBANCE VEGETATION PATTERNS SHALL BE RESTORED.

ALL ENVIRONMENT PROTECTION MEASURES SHALL BE IMPLEMENTED PRIOR TO ANY CONSTRUCTION WORK, INCLUDING CLEARING, COMBING.

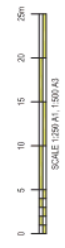
LEGEND:

- 1500 WATER RETICULATION
- 1500 FIRE BOOSTER MAIN
- 1500 SPRINKLER MAIN
- EXISTING WATER RETICULATION
- PROPOSED SENSER RETICULATION / SIZE
- EXISTING SENSER RETICULATION
- EXISTING STORMWATER DRAINAGE
- PROPOSED STORMWATER DRAINAGE
- EXISTING ELECTRICAL RETICULATION
- EXISTING TEL/STRA RETICULATION
- EXISTING OPTIC RETICULATION

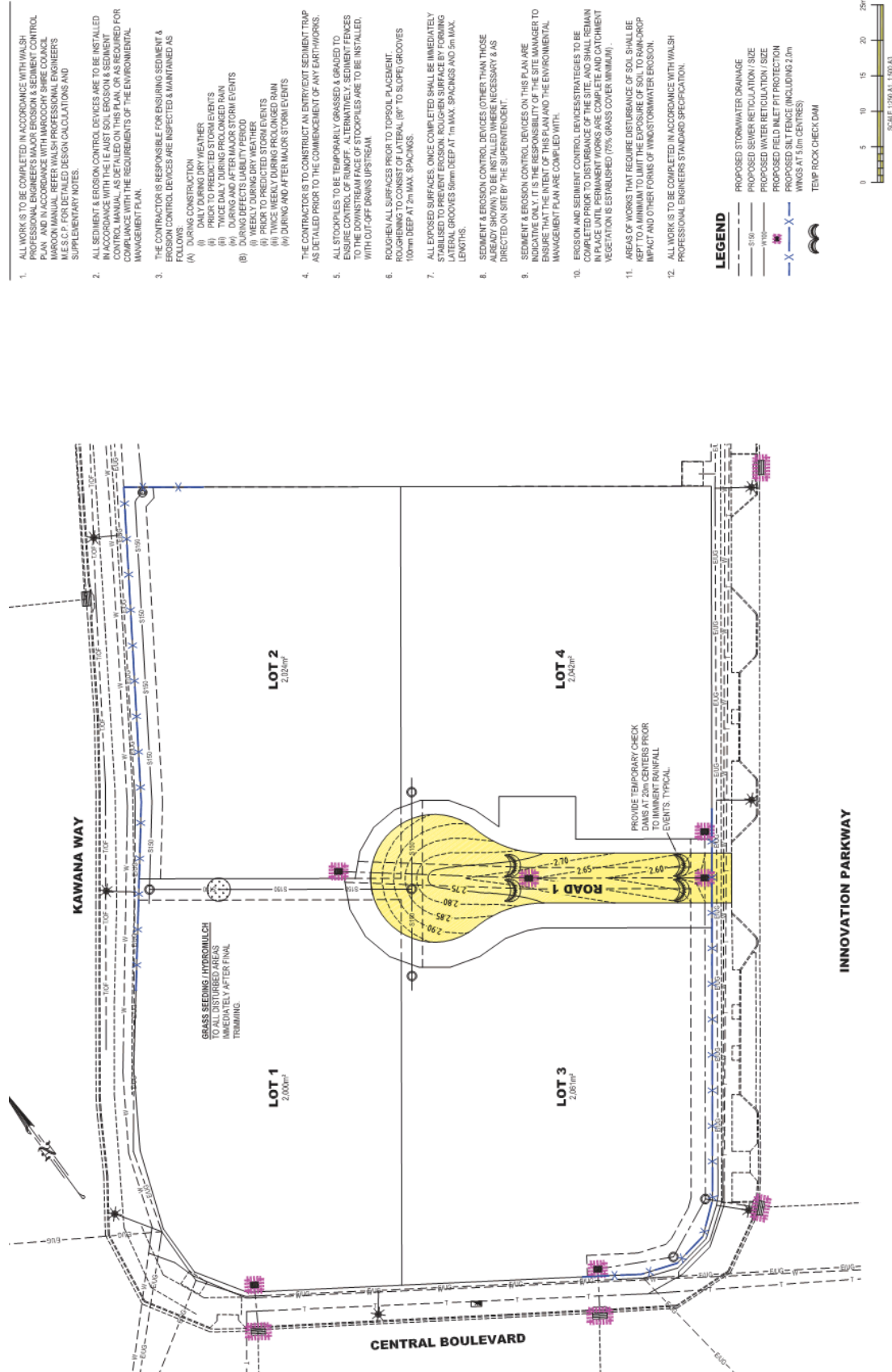
TYPICAL TRENCH DETAIL



INNOVATION PARKWAY



DESIGNER: WALSH PROFESSIONAL ENGINEERS
 PROJECT: PROPOSED UNIT DEVELOPMENT at LOT 29, INNOVATION PARKWAY for TYNONG PASTORAL COMPANY PTY LTD
 DRAWING NO: C600716/001
 REVISION: C
 SHEET: 1 of 1
 DESIGN: 165
 DATE: 8/PT/2016
 CHECKED: [Signature]
 DATE: 2/10/16
 FOR APPROVAL NOT FOR CONSTRUCTION
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 1572 Wisser Road, Manoochyvale, QLD
 PO Box 5912, Manoochyvale, BC, 4558
 Email: Engineers@WalshEng.net.au
 Web: http://www.WalshEng.net.au
 SPECIAL THANKS WARRIED FOR CONSTRUCTION PURPOSES
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY REGISTRATIONS AND NOTIFICATIONS FROM ALL RELEVANT AUTHORITIES. THIS DRAWING MUST BE SUPERSEDED BY AN ENGINEER WHO HAS SEEN REGISTRATIONS NOT COMPLYING WITH THIS REQUIREMENT.



- ALL WORK IS TO BE COMPLETED IN ACCORDANCE WITH WALSH PROFESSIONAL ENGINEERS' EROSION AND SEDIMENT CONTROL PLAN AND IN ACCORDANCE WITH APPROVED SAME CONSULTANT MARCONI MANUAL. REFER WALSH PROFESSIONAL ENGINEERS M.E.S.C.P. FOR DETAILED DESIGN CALCULATIONS AND SUPPLEMENTARY NOTES.
- ALL SEDIMENT & EROSION CONTROL DEVICES ARE TO BE INSTALLED IN ACCORDANCE WITH THE IE JUST SOIL EROSION & SEDIMENT CONTROL MANUAL, AS DETAILED ON THIS PLAN, OR AS REQUIRED FOR COMPLIANCE WITH THE REQUIREMENTS OF THE ENVIRONMENTAL MANAGEMENT PLAN.
- THE CONTRACTOR IS RESPONSIBLE FOR ENSURING SEDIMENT & EROSION CONTROL DEVICES ARE INSPECTED & MAINTAINED AS FOLLOWS:
 - DURING CONSTRUCTION
 - ONCE DURING MAJOR STORM EVENTS
 - ONCE DURING PROLONGED RAIN
 - TWICE DAILY DURING PROLONGED RAIN
 - DURING AND AFTER MAJOR STORM EVENTS
- THE CONTRACTOR IS TO CONSTRUCT AN ENTRUMENT SEDIMENT TRAP AS DETAILED PRIOR TO THE COMMENCEMENT OF ANY EARTHWORKS.
- ALL STOCKPILES TO BE TEMPORARILY GRASSED & GRADED TO ENSURE CONTROL OF RUNOFF. ALTERNATIVELY, SEDIMENT FENCES TO THE DOWNSTREAM FACE OF STOCKPILES ARE TO BE INSTALLED, WITH CUT-OFF DRAINS UPSTREAM.
- ROUGHEN ALL SURFACES PRIOR TO TOPSOIL PLACEMENT. ROUGHENING TO CONSIST OF LATERAL 180° TO SLOPE GROOVES 100mm DEEP AT 2m MAX. SPACINGS.
- ALL EXPOSED SURFACES, ONCE COMPLETED SHALL BE IMMEDIATELY STABILISED TO PREVENT EROSION. ROUGHEN SURFACE BY FORMING LATERAL GROOVES 50mm DEEP AT 1m MAX. SPACINGS AND 5m MAX. LENGTHS.
- SEDIMENT & EROSION CONTROL DEVICES OTHER THAN THOSE ALREADY SHOWN TO BE INSTALLED WHERE NECESSARY & AS DIRECTED ON SITE BY THE SUPERINTENDENT.
- SEDIMENT & EROSION CONTROL DEVICES ON THIS PLAN ARE INDICATED ONLY. IT IS THE RESPONSIBILITY OF THE SITE MANAGER TO ENSURE THAT ALL DEVICES ARE INSTALLED AND THE ENVIRONMENTAL MANAGEMENT PLAN ARE COMPLIED WITH.
- EROSION AND SEDIMENT CONTROL DEVICES STRATEGIES TO BE COMPLETED PRIOR TO DISTURBANCE OF THE SITE, AND SHALL REMAIN IN PLACE UNTIL THE SITE IS FULLY STABILISED. COMPLETE EROSION CONTROL VEGETATION IS ESTABLISHED (75% GRASS COVER MINIMUM).
- AREAS OF WORKS THAT REQUIRE DISTURBANCE OF SOIL SHALL BE KEPT TO A MINIMUM TO LIMIT THE EXPOSURE OF SOIL TO RAIN-DROP IMPACT AND OTHER FORMS OF WIND-DRIVEN WATER EROSION.
- ALL WORK IS TO BE COMPLETED IN ACCORDANCE WITH WALSH PROFESSIONAL ENGINEERS STANDARD SPECIFICATION.

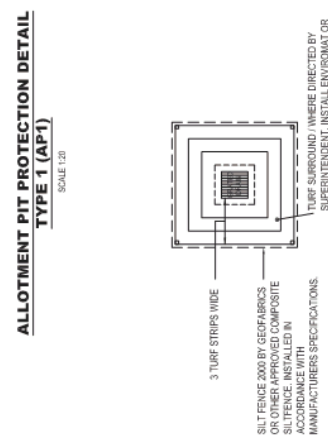
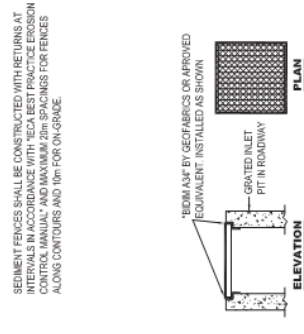
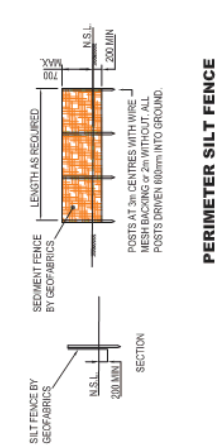
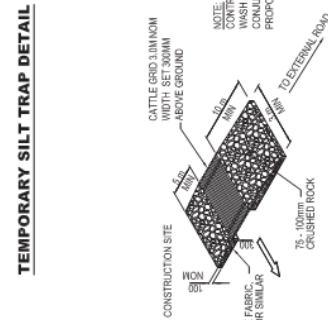
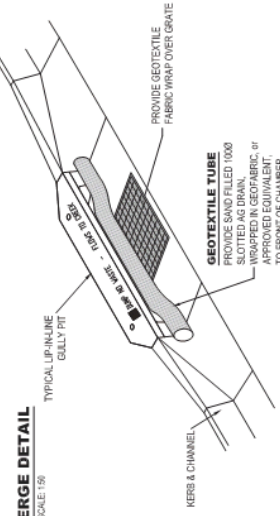
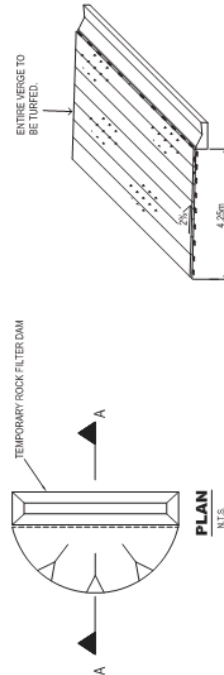
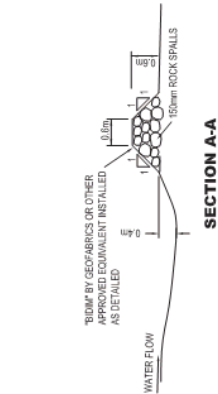
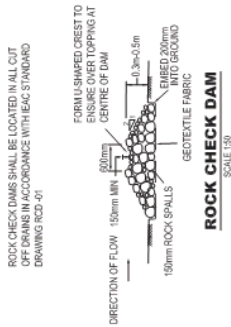
LEGEND

- PROPOSED STORMWATER DRAINAGE
- PROPOSED SEWER ISOLATION / SIZE
- PROPOSED SILT FENCE (INCLUDES SILENT)
- PROPOSED FIELD INLET FIT PROTECTION
- PROPOSED SILT FENCE (INCLUDING 2.0m WINGS AT 1.5m CENTRES)
- TEMP ROCK CHECK DAM

SCALE 1:500 A1: 1500 A3

<p>DESIGN: 185 DATE: 8/PT 2016 CHECKED: [Signature] DATUM: 2010</p>		<p>A.C.N. 611 482 716 1572 Wise Road, Manlywood, QLD PO Box 5912, Manlywood, BC, 4558 Email: Engineers@WalshEng.net.au Web: http://www.WalshEng.net.au</p>	
<p>FOR APPROVAL NOT FOR CONSTRUCTION</p>		<p>WALSH PROFESSIONAL ENGINEERS</p>	
<p>PROJECT: PROPOSED UNIT DEVELOPMENT at LOT 29, INNOVATION PARKWAY for TYNONG PASTORAL COMPANY PTY LTD</p>		<p>DRAWING NO.: C600716/ESC01 REVISION: B SHEET: 1 of 2</p>	

Objective / Target	Comply with all statutory regulations and maintain them during earthworks construction. Comply with the Major Erosion and Sediment Control Plan by Title Professional Engineers to control erosion and sediment flows.
Management Strategy	Site foreman to identify and check direction of stormwater flows to ensure they are in accordance with the approved measures shown on plan and within council guidelines to prevent stormwater flows over embankments and minimise sediments into gully pits.
Tasks / Actions	Erect sedimentation barriers at the top of embankments as shown on this drawing. Strategically place check dams around gully pits and along cut off drains.
Performance Indicators	Site foreman to check for erosion and sediment flows at the base of embankments after each. Check that all sediment fences and check dams are working correctly during rain events.
Frequency / Deadline	Inspection of all control structures shall be undertaken prior to expected rainfall events and at least twice weekly. All minor structures such as windrows, sediment fences etc. shall be inspected at the completion of each day.
Responsible Person / Organisation	The implementation of the Major Erosion and Sediment Control Plan is the responsibility of the Principal Contractor.
Reporting / Review	Principal contractor to provide a monthly copy of record sheets identifying test results for water quality testing. Site workman to advise foreman if they notice any barrier needing repair.
Corrective Actions	Site foreman to report and order extra barrier or check dams as required.



PROJECT: PROPOSED UNIT DEVELOPMENT at LOT 29, INNOVATION PARKWAY for TYNONG PASTORAL COMPANY PTY LTD

DESIGNER: WALSH PROFESSIONAL ENGINEERS

DATE: 8/PT/2016

SCALE: 2 OF 2

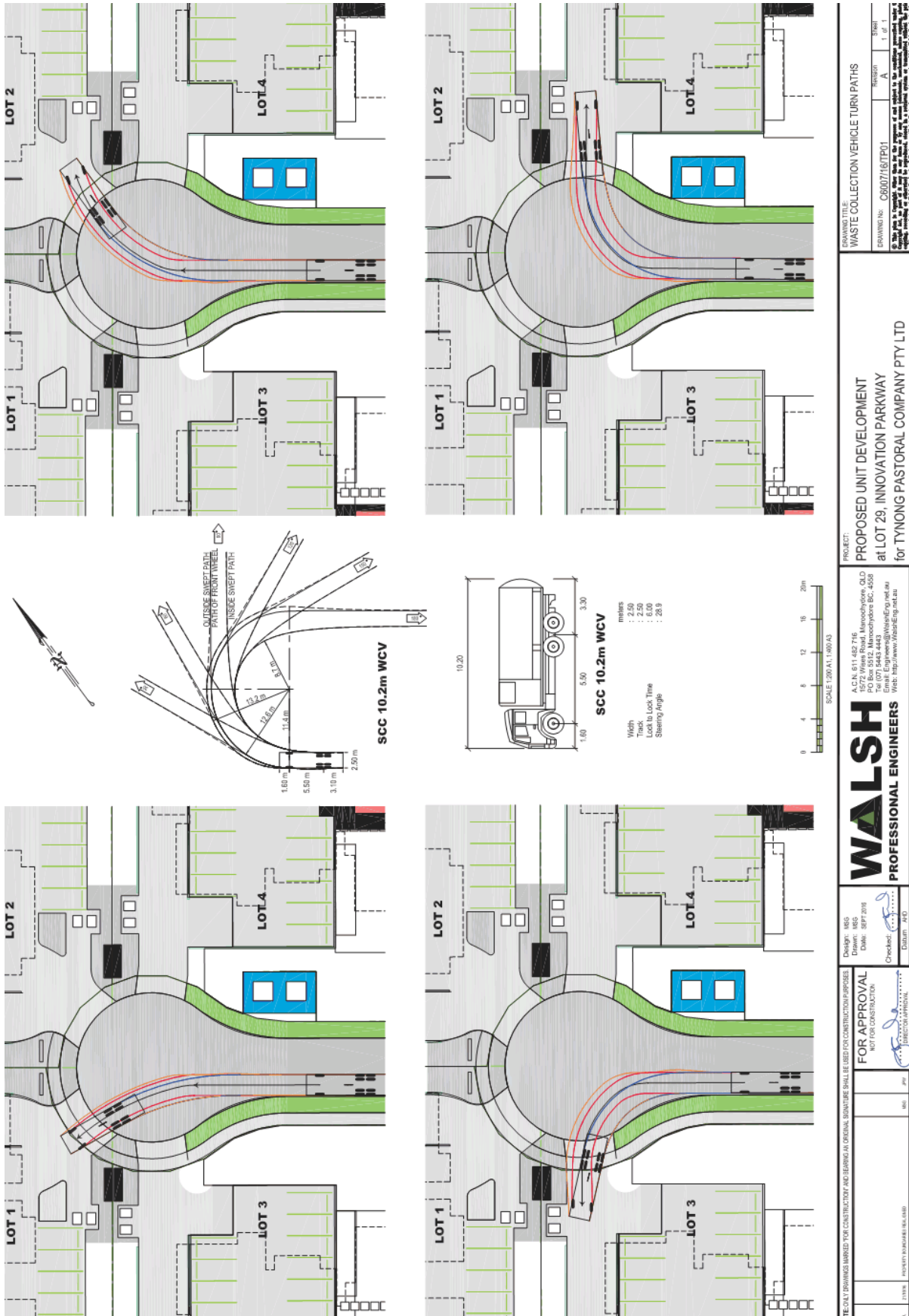
PROJECT NO: C600716/ESC02

DATE: 8/PT/2016

SCALE: 2 OF 2

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DESIGNER: WALSH PROFESSIONAL ENGINEERS
 PROJECT: PROPOSED UNIT DEVELOPMENT at LOT 29, INNOVATION PARKWAY for TYNONG PASTORAL COMPANY PTY LTD
 DRAWING NO: C6007161/P01
 REVISION: 1 of 1
 DATE: 8/PT/2016
 CHECKED: [Signature]
 DATE: 2/10/16
 PROJECT: INNOVATION PARKWAY
 SHEET: 1 of 1

FOR APPROVAL NOT FOR CONSTRUCTION

DESIGN: 165
 DATE: 8/PT/2016
 CHECKED: [Signature]
 DATE: 2/10/16

FOR APPROVAL NOT FOR CONSTRUCTION

DESIGN: 165
 DATE: 8/PT/2016
 CHECKED: [Signature]
 DATE: 2/10/16

