12 LOT SUBDIVISION **ROAD & DRAINAGE PLANS**

65 OLD LANCEFIELD ROAD, WOODEND



PROPOSED STREET TREE PROPOSED UNSEALED PAVEMENT PROPOSED SEWER RISING MAIN SHRUBS / TREES TO BE REMOVED PROPOSED CONCRETE FOOTPATH PROPOSED ASPHALT FOOTPATH TELSTRA PILLA PROPOSED FUTURE SEWER PROPOSED CONCRETE PAVEMENT (DRIVEWAY OR INFILL) PROPOSED INTERNAL CONCRETE DRIVEWAY ELECTRICITY LIGHT & POLE PROPOSED PRIVATE WATER MAIN PROPOSED RECYCLED WATER MAIN PROPOSED NATURESTRIP \ LANDSCAPIN PROPOSED LOT FARTHWORKS NO TOPSOIL EXISTING WATER MAIN, FIRE PLUG AND VALVE PROPOSED FUTURE WATER PROPOSED OTHER PROPOSED ELECTRICITY MAIN PROPOSED ROCK BEACHING PROPOSED HOUSE DRAIN PROPOSED PRIVATE ELECTRICITY MAIN DIMENSION (IN METRES UNLESS STATED OTHERWISE) FUTURE DRAIN / PIT EXISTING ELECTRICITY MAIN & PIT LEADER / ARROW NS 101.95 EXIST/NATURAL SURFACE LEVEL PROPOSED FUTURE ELECTRICITY — FENCE LINE PROPOSED GAS MAIN FS 101.95 FINISHED SURFACE LEVEL → → — INVERT (DESIGN \ EXISTING) ____ EDGE OF SEAL / EDGE OF BITUMEN (DESIGN \ EXISTING PROPOSED PRIVATE GAS MAIN TK 101.95 BACK OF PROPOSED KERB TOP OF BANK (DESIGN \ EXISTING) P 101.95 PROP PAVEMENT FOOTPATH LEVEL EXISTING GAS MAIN LIMIT OF WORK (OR REFER TO EXTENT OF SHADING) BOTTOM OF BANK PROPOSED FUTURE GAS DIRECTION OF GRADING PROPOSED TITLE BOUNDARY & SITE TITLE BOUNDARY PROPOSED TELECOMMUNICATIONS MAIN PERMANENT SURVEY MARK PROPOSED FUTURE TITLE BOUNDARY PROPOSED PRIVATE TELECOMMUNICATIONS MAIN △ SURVEY STATION PREVIOUS STAGE TITLE BOUNDARY EXISTING TELECOMMUNICATIONS CABLE - - PROPOSED OR EXISTING EASEMENT PROPOSED FUTURE TELECOMMUNICATIONS HOUSE _____ CATCH _____ PROPOSED CATCH DRAIN PROPOSED ELEC / TELSTRA CONDUIT & PIT PROPOSED AG DRAIN PROPOSED GAS & WATER CONDUIT

LEGEND

DRAWING LIST

8

ROAD & DRAINAGE CONSTRUCTION PLANS

LOCALITY PLAN & GENERAL NOTES 1139001R01 1139001R02 OVERALL DEVELOPMENT PLAN 1139001R03-04 DETAIL PLAN (2 SHEETS) 1139001R05 INTERSECTION DETAILS PROPOSED EARTHWORKS PLAN 1139001R06 1139001R07-08 TYPICAL DETAILS OLD LANCEFIELD RD LONG SECTION 1139001R09 OLD LANCEFIELD RD CROSS SECTIONS 1139001R10

1139001R11 HONEYSUCKLE LN LONG SECTION 1139001R12-13 HONEYSUCKLE LN CROSS SECTIONS (2 SHEETS) 1139001R14-16 STORMWATER LONGITUDINAL SECTION

EXISTING SHRUBS / TREES

STORMWATER DETAILS AND PIT SCHEDULE 1139001R17

YOU DIG

WARNING

PROPOSED SEALED PAVEMENT

TABLE OF OFFSETS FOR SERVICES

	GAS		WATER		ELEC		TEL	.CO
STREET	OFFSET	SIDE	OFFSET	SIDE	U/G CABLE		OFFSET	SIDE
					OFFSET	SIDE	OFFICE	OIDL
OLD LANCEFIELD ROAD - EAST SIDE	3.0m	EAST	-	-	-	-	-	-
OLD LANCEFIELD ROAD - WEST SIDE	5.5-6.0m	WEST	4.5m	WEST	2.3m	WEST	1.5m	WEST
HONEYSUCKLE LANE - NORTH SIDE	-	-	2.3m	NORTH	3.8m	NORTH	0.9m	NORTH
HONEYSUCKLE LANE - SOUTH SIDE	4.8m	SOUTH	2.5-3.5m	SOUTH	6.4m	SOUTH	VARIES	SOUTH

MRSC STANDARD NOTES FOR SUBDIVISIONS

- ALL WORKS ARE TO BE CARRIED OUT IN ACCORDANCE WITH THE MACEDON RANGES SHIRE COUNCIL STANDARD DRAWINGS, SPECIFICATIONS AND TO THE SATISFACTION OF COUNCIL'S SUPERVISING OFFICER OR HIS/HER APPOINTED

- OF WORKS.

 ALL LEVELS SHOWN ARE TO A.H.D.

 PRIOR TO COMMENCEMENT OF WORKS ON SITE. THE CONTRACTOR MUST ENSURE THAT ALL MATTERS RELATING TO THE OCCUPATIONAL HEALTH & SAFETY ACT 2004, INCLUDING ALL RELEVANT REGULATIONS, HAVE BEEN ADDRESSED. IN PARTICULAR, PREVENTION OF FALLS AND PLANT. DETAILS OF THE CONTRACTORS SITE MANAGEMENT PLAN INCLUDING OCCUPATIONAL HEALTH AND SAFETY PROCEDURES MUST BE LODGED WITH THE MACEDON RANGES SHIRE COUNCIL PRIOR TO COMMENCEMENT OF WORKS.

 ON COMMENCEMENT OF CONSTRUCTION WORKS ON SITE. THE CONTRACTOR MUST COMPLY WITH THE RECOMMENDATIONS OF THE ENVIRONMENT PROTECTION AUTHORITY PUBLICATION "CONSTRUCTION TECHNIQUES FOR SEDIMENT POLIUTION CONTROL OF TWO
- SEDIMENT POLLUTION CONTROL" (PUBLICATION NO 275).

APPROPRIATE SILTATION CONTROL IS TO BE CARRIED OUT DURING THE CONSTRUCTION AND MAINTENANCE PERIOD.

NO EXCAVATION SHALL BE CARRIED OUT WITHIN THE CANOPY DRIP LINE OR

5.0m, WHICHEVER IS GREATER OF ANY EXISTING TREE UNTIL APPROVAL HAS BEEN GIVEN BY COUNCIL'S SUPERVISING OFFICER OR HIS/HER APPOINTED A TEMPORARY 1.5m HIGH POST & WIRE FENCE SHALL BE ERECTED AND

MAINTAINED AROUND EXISTING TREES. NOMINATED TO BE RETAINED AS PER A TREE PROTECTION ZONE (TPZ) CONDITION, AT ALL TIMES DURING CONSTRUCTION. UNDER NO CIRCUMSTANCES SHALL SITE SHEDS, VEHICLES, MACHINERY AND EQUIPMENT BE STORED OR PLACED WITHIN FENCED ZONE OF

THE CONTRACTOR IS TO OBTAIN THE NECESSARY ASSET PROTECTION PERMIT PRIOR TO UNDERTAKING ANY WORKS WITHIN A PREVIOUSLY CONSTRUCTED

THE CONTRACTOR SHALL TO THE SATISFACTION OF THE CONSULTING ENGINEER AND COUNCIL'S REPRESENTATIVE PROVIDE AND MAINTAIN ALL NECESSARY WARNING SIGNAGE, LIGHTING AND BARRICADING TO COMPLY WITH THE REQUIREMENTS OF THE ROAD MANAGEMENT ACT.

THE LOCATION OF EXISTING SERVICES SHOULD BE DETERMINED BY THE CONTRACTOR PRIOR TO COMMENCING ANY EXCAVATION BY CARRYING OUT A DBYD AND CONTACTING ALL RELEVANT SERVICE AUTHORITIES AND/OR THEIR AGENTS. ANY EXISTING SERVICES SHOWN ON THE DRAWINGS ARE OFFERED AS A GUIDE ONLY AND ARE NOT GUARANTEED AS CORRECT.

AS A GUIDE ONLY AND ARE NOT GUARANTEED AS CORRECT. SERVICE TRENCHES WITHIN THE ROAD RESERVE MUST BE BACKFILLED AS SPECIFIED BELOW, TO A DRY DENSITY NOT LESS THAN 97% OF THE MAXIMUM FOUND IN THE STANDARD COMPACTION TEST FOR THE FOLLOWING: SERVICE TRENCHES BENEATH THE ROAD PAVEMENT, FOOTPATH OR DRIVEWAY CROSSOVER, TO THE UNDERSIDE OF THE PAVEMENT OR CROSSOVER BEDDING WITH 20mm CLASS 3 FOR WITH 3% CEMENT ADDITIVE.

DRAINAGE PIPES ADJACENT TO KERBING OR CONCRETE STRUCTURES WITH 20mm CLASS 4 FCR TO A LEVEL THAT IS NOT AFFECTED BY A 45 DEGREE ANGLE

OF REPOSE FROM THE NEAR LOWER EDGE OF SUCH STRUCTURE, OTHERWISE

OF REPOSE FROM THE NEAR LOWER EDGE OF SUCH STRUCTURE, OTHERWISE TO FULL DEPTH.

ALL EXCAVATIONS OF A DEPTH 1.5m OR GREATER MUST COMPLY WITH WORKCOVER VICTORIA. A "NOTICE OF INTENTION TO EXCAVATE..." FORM MUST BE SUBMITTED TO WORKCOVER 3 DAYS PROIR TO THE WORK EXCAVATIONS.

• CALL 1800 136 089 TOLL FREE ØR 03) 9641 1444 TO OBTAIN FORM.

• FAX FORMS TO: 03) 9565 9400 OR 9941 10555

ALL CONCRETE TO BE USED IN THE CONTRACT WORKS SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 25 MPA 278 DAYS.

ALL DRAINAGE PIPES ARE TO BE REINFORCED CONCRETE CLASS 2 RUBBER RING JOINTED AS A MINIMUM UNLESS OTHERWISE APPROVED. ALL P.V.C. PIPES TO BE CLASS SHI HALESS OTHERWISE APPROVED. ALL P.V.C. PIPES TO BE CLASS SHI HALESS OTHERWISE APPROVED.

SIDE ENTRY PIT LINTELS ARE TO BE SET BACK AND UP 50mm FROM HORIZONTAL AND VERTICAL ALIGNMENTS IN ACCORDANCE WITH THE MACEDON RANGES SHIRE COUNCIL STANDARD DRAWING SD012.

MACEDON RANGES SHIRE COUNCIL STANDARD DRAWING SD012.

100mm DIA. AGRICULTURAL PIPE DRAINS TO BE PLACED BEHIND ALL KERB AND CHANNEL ON 20mm AGGREGATE BEDDING, 200mm BELOW SUBGRADE, AT

GRADE AND WHERE DIRECTED BY THE CONSULTING ENGINEER.

EASEMENTS AND 500mm IN ROAD RESERVES, EXCEPT WHERE PIPE CLASS '4'

SPECIFICALLY DESIGNED FITTINGS. MORTAR BANDAGES ARE NOT TO BE USED

UNLESS APPROVED BY COUNCIL.
FILL AREAS ARE TO BE STRIPPED OF TOPSOIL, FILLED USING APPROVED CLAY FILL AND THEN TOPSOIL REPLACED TO OBTAIN FINAL FILL LEVELS AS SHOWN ON PLANS. ALL FILLING TO BE CARRIED OUT IN 150mm LAYERS AND COMPACTED TO 95% OF MAXIMUM DRY DENSITY IN ACCORDANCE WITH COMPACIED TO SON OF MAXIMUM ORT DENTITY IN ACCOUNTAGE WITH AS 3798-2007: GUIDELINES ON EARTHWORKS FOR COMMERCIAL AND RESIDENTIAL DEVELOPMENTS. ON COMPLETION THE CONTRACTOR SHALL PRESENT A "LEVEL" 1" TYPED REPORT NOMINATING THE EXTENT OF FILL PLACED. IT'S CONFORMANCE WITH THE SPECIFICATION AND IT'S CLASSIFICATION AS "CONTROLLED FILL". IF ANY SUBSTANDARD FILLING IS ENCOUNTERED ON THE SITE IT MUST BE REMOVED AND REPLACED WITH APPROVED FILL MATERIAL PROPERLY COMPACTED TO COUNCIL REQUIREMENTS, A GEO-TECHNICAL REPORT MUST BE SUBMITTED SHOW DETAILS OF DEPTH, TYPE OF MATERIAL AND DENSITY OF THE FILL AREAS

THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL IMPORTED FILL MATERIAL, INCLUDING TOPSOIL, SATISFIES THE DESCRIPTION FOR CLEAN FILL MATERIAL IN EPA BUILLETIN PUBLICATION NO. 448 (SEPT '95) AND SUBSECUENT

MATERIAL IN EPA BULLETIN PUBLICATION NO. 448 (SEPT '95) AND SUBSEQUENT REVISIONS. THE CONTRACTOR SHALL PROVIDE VERIFICATION INCLUDING TEST CERTIFICATES TO THE SUPERVISING ENGINEER. BATTERS SHALL BE 1 IN 6 UNLESS OTHERWISE APPROVED AND COVERED AND SMOOTHED WITH MINIMUM OF 100mm TOPSOIL. ALL KERR RETURN RADII ARE TO LIP OF KERB UNLESS OTHERWISE SPECIFIED. KERB TYPES SHALL BE AS SPECIFIED IN ACCORDANCE WITH THE MACEDON RANGES SHIRE COUNCIL STANDARD DRAWINGS SD009 & SD010. TRANSITION LENGTHS BETWEEN DIFFERENT KERB TYPES TO BE OVER 30m ONLY IF IT CANNOT BE ACHIEVED AT A PRAM CROSSING OR DRIVEWAY CROSSOVER.

CONTRACTOR TO ERECT STREET NAME SIGNS AND GALVANISED IRON
S AS DIRECTED BY THE SUPERINTENDENT AND PROVIDE THE PROVISION

OF A SLEEVE.

STREET LIGHTING IS TO BE PROVIDED IN ACCORDANCE WITH COUNCILS "POLICY ENGINEERING REQUIREMENTS FOR INFRASTRUCTURE CONSTRUCTION" UNLESS OTHERWISE APPROVED.
ALL FOOTPATHS TO BE A MINIMIMU OF 1.50m WIDE IN ACCORDANCE WITH THE MACEDON RANGES SHIRE COUNCIL STANDARD DRAWING SD005.

ROAD PAVEMENTS ARE TO HAVE A MINIMUM DEPTH OF 300mm INCLUDING SURFACING.
ALL ROAD GUIDE POSTS ARE TO BE "RUBBERTUFF".
THE RELATIVE COMPACTION OF CRUSHED ROCK (FCR) FOR PAVEMENTS SHALL BE COMPLETED AT THE OPTIMUM MOISTURE CONTENT TO A DRY DENSITY OBTAINED IN THE MODIFIED COMPACTION TEST) AS BELOW. PROVIDE TEST RESULTS TO COUNCIL FOR:

COUNCIL FOR:

DEPTH 0 - 100mm BELOW TOP OF BASE. RELATIVE COMPACTION - 100%

(MODIFIED). SUBGRADE BELOW ALL PAVEMENTS SHALL BE COMPACTED TO A DRY DENSITY NOT LESS THAN 97% OF THE MAXIMUM FOUND IN STANDARD COMPACTION TEST IN AREAS OF CUT TO A DEPTH OF 150mm AND IN AREAS OF FILL TO A DEPTH OF 450mm.

RESERVES TO BE EVENLY GRADED, SEEDED AND FREE DRAINING TO THE SATISFACTION OF RESPONSIBLE AUTHORITY.
DESIGN INFORMATION TO INCLUDE RETICULATED WATER SUPPLY IN U/G PIT

CONFIGURATION, BOLLARDS, SEATING, PLAYGROUND EQUIPMENT AND BBQ'S ETC. WHERE REQUIRED BY THE PERMIT ALL NATURE STRIPS, EXCAVATED OR FILLED AREAS WITHIN THE ROAD

RESERVE SHALL BE RESURFACED WITH A 100mm LAYER OF TOPSOIL AS SPECIFIED, FREE FROM CLAY AND STONE, EVENLY GRADED AND SEEDED TO THE SATISFACTION OF RESPONSIBLE AUTHORITY. ON COMPLETION THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OF ALL BUILDING WASTE, RUBBISH AND SPOIL FROM THE SITE, NO SURPLUS

TREES, VEGETATION OR OTHER MATERIALS IS TO BE BURNT ON SITE. AS-CONSTRUCTED DATA INCLUDING ALTERATIONS DURING CONSTRUCTION ARE TO BE PROVIDED PRIOR TO ISSUE OF STATEMENT OF COMPLIANCE DRAWINGS ARE TO BE IN A1 AND A3 HARDCOPY AND IN AUTOCAD (2010) AND ACROBAT PDF FORMATS

THE FOLLOWING HOLD POINT INSPECTIONS SHALL APPLY UNTIL WORKS ARE APPROVED BY COUNCIL'S SUPERVISING OFFICER, CONSULTING ENGINEER TO BE PRESENT AT THESE HOLD POINTS:

2) ROAD SUBGRADE PRIOR TO PLACEMENT OF SUB-BASE (INCLUDING

3) SUB-BASE PRIOR TO PLACEMENT OF BASE COURSE (INCLUDING PROOF-ROLL). 5) INSPECTION AT PRACTICAL COMPLETION OF THE WORKS (COMMENCEMENT OF

6) FINAL INSPECTION AT THE END OF 12 MONTHS DEFECTS LIABILITY PERIOD THE FOLLOWING INSPECTIONS ARE ALSO TO BE CARRIED OUT BY COUNCIL'S SUPERVISING OFFICER; 7) STORMWATER DRAINAGE, INCLUDING SUBSOIL AG DRAINS, AND HOUSE CONNECTIONS, PRIOR TO BACKFILLING (HOLD POINT)

8) FOOTPATH, DRIVEWAY AND KERB AND CHANNEL PRIOR TO PLACEMENT OF CONCRETE (HOLD POINT) INSPECTION OF ALL TRAFFIC CONTROL AND SIGNAGE IN ACCORDANCE WITH APPROVED PLANS.

INSPECTION OF WORKS IN ACCORDANCE WITH APPROVED LANDSCAPE ANY OTHER INSPECTIONS AS DETERMINED BY THE COLINCIL

TOMKINSON GROUP SUPPLEMENTARY STANDARD NOTES:

PRIOR TO THE COMMENCEMENT OF WORKS THE CONTRACTOR MUST OBTAIN AN ASSET PROTECTION PERMIT FROM THE

RESERVE PRIOR TO THE COMMENCEMENT OF WORKS

THE CONSULTANT HAS MADE EVERY REASONABLE ATTEMPT TO LOCATE EXISTING SERVICES AND HAS SHOWN THESE ON THE DRAWINGS. THE CONTRACTOR SHALL TAKE PHOTOGRAPHS AND PROVIDE A WRITTEN REPORT DETAILING THE CONDITION REGARDING ALL EXISTING INFRASTRUCTURE WHICH THEY ARE INTERFACING WITH, OR OTHERWISE HAVING AN IMPACT ON.

PRIOR TO COMMENCING WORKS THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL SERVICES BY SITE SURVEY (INSPECTION AND CONSULTATION WITH ALL RELEVANT SERVICING AUTHORITIES). THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING SERVICES, WHETHER SHOWN OR NOT. THE CONTRACTOR MUST CONTACT DIAL BEFORE YOU DIG (CALL 1100), OR VISIT

SATISFY THEMSELVES THAT THERE ARE NO SERVICES WITHIN THE VICINITY OF THE WORK AREA

NO WORK IS TO COMMENCE BEFORE THE CONTRACTOR HAS ASCERTAINED WHAT UNDERGROUND SERVICES ARE PRESENT

CONTRACTOR MUST FOLLOW THE "NO GO ZONE" SAFETY PROCEDURES AT ALL TIMES, WHICH ARE AVAILABLE FROM ALL UTILITY AND TELECOMMUNICATIONS COMPANIES, INCLUDING THE OFFICE OF THE CHIEF ELECTRICAL INSPECTOR, THE OFFICE OF GAS SAFETY AND WORKSAFE VICTORIA IF THESE SAFETY PROCEDURES CANNOT BE COMPLIED WITH THEN NO WORK IS

TO BE UNDERTAKEN WITHOUT PERMISSION FROM THE UTILITY COMPANY

THE CONTRACTOR MUST PREPARE A PROJECT MANAGEMENT PLAN (OTHERWISE CALLED A CONSTRUCTION OR SITE MANAGEMENT PLAN) AND HAVE IT APPROVED BY BOTH COUNCIL & THE CONSULTANT PRIOR TO THE COMMENCEMENT OF ANY WORKS. THIS PROJECT MANAGEMENT PLAN IS TO NCORPORATE THE FOLLOWING AT A MINIMUM AND IN ACCORDANCE WITH ANY LEGISLATION REQUIREMENTS:

a. OCCUPATIONAL HEALTH & SAFETY PROCEDURES b. SITE STAFFING INCLUDING CONTACT DETAILS

c. TRAFFIC MANAGEMENT PLAN

e. QUALITY ASSURANCE DETAILS (FOR QA CERTIFIED CONTRACTORS)

f. CONSTRUCTION PROGRAM CONSTRUCTION SETOUT

ALL LEVELS ARE TO A.H.D. AND ARE REFERENCED TO THE T.B.M. INDICATED.

COORDINATION OF THIS DESIGN USES MGA 94, CORRECT AS OF THE DATE OF THESE PLANS. FROM 1ST JANUARY 2017, MGA 2020 MAY BE IN STANDARD US AND WILL DIFFER IN POSITION BY AROUND 1.8 METRES FROM THIS DOCUMENT

NO TBM CAN BE USED WITHOUT FIRST PROVING IT TO BE CORRECT TO A SECOND TBM. TOMKINSON IS TO BE NOTIFIED OF ANY DISCREPANCIES IMMEDIATELY NO HORIZONTAL SETOUT CONTROL CAN BE USED WITHOUT FIRST PROVING IT TO BE CORRECT TO A THIRD KNOWN POINT. TOMKINSON GROUP IS TO BE NOTIFIED OF ANY DISCREPANCIES IMMEDIATELY. TITLE PEGS AND T.B.M.'S TO BE RE-ESTABLISHED BY A LICENSED SURVEYOR IF FOUND TO

IF USING GNSS \ GPS TO SETOUT FOR CONSTRUCTION PLEASE NOTE:

a GNSS HAS REDUCED VERTICAL PRECISION COMPARED TO TRADITIONAL SURVEY METHODS

SITE MANAGEMENT DURING CONSTRUCTION

b. ONLY USE A SINGLE POINT CALIBRATION FOR THE VERTICAL THEN TEST TO AT LEAST 1 OTHER STATED TBM BEFORE PROCEEDING c. IF YOU HAVE ANY QUERIES OR CONCERNS CONTACT TOMKINSON GROU

THE CONSULTING ENGINEER IS RESPONSIBLE FOR THE DESIGN AND MANAGEMENT OF THE CONSTRUCTION WORKS. ANY PROBLEMS ARISING DURING CONSTRUCTION SHALL BE DIRECTED

ALL WORKS SHALL BE CONSTRUCTED IN AC AUTHORITY SPECIFICATIONS. IF YOU HAVE MANUAL CONTACT THE CONSULTANT

TWENTY-FOUR (24) HOURS NOTIFICATION AUTHORITY IS REQUIRED PRIOR TO AN IN: ANY PARTICULAR PORTION OF THE WORKS

THE CONTRACTOR SHALL TO THE SATIS NECESSARY WARNING SIGNAGE, LIGHTING WITH THE REQUIREMENTS OF THE ROAD MAI

DISPOSAL OF EXCESS SPOIL TRUCK ROUTE
BE APPROVED BY THE MUNICIPAL ENGINE
UNDER DIRECTION OF THE CONSULTANT. ML
MANAGEMENT PLAN (SUPPLEMENTARY NOTE AT THE COMPLETION OF WORKS ALL RUBBIS

TO BE REMOVED AND ALL LOTS AND ROAD CONDITION TO THE SATISFACTION OF THE AUTHORITY.

PROTECTION OF VEGETATION

Principal WOODEND PROJECTS PTY LTD

21. MACHINERY IS NOT TO BE DRIVEN OVER OR PARKED WITHIN THE DRIP ZONE

22. TGSIs ARE TO BE INSTALLED ON ALL PEDESTRIAN CROSSINGS AS PER AS 1428.

AT ALL TEMPORARY STAGE BOUNDARY TERMINATIONS TO ROADS T CONTRACTOR IS TO INSTALL A D4-5 HAZARD SIGN 24. ALL CONCRETE IS TO HAVE A MINIMUM CEMENT CONTENT OF 320 kg/r

STORMWATER DRAINAGE AND SERVICE CONDUIT NOTES

ALL EASEMENT DRAINAGE PIPES ARE 1.0m OFFSET TITLE BOUNDARY UNLES

26. ALL EASEMENT DRAINAGE PITS ARE TO BE ARE 1.0m PAST TITLE BOUNDA

ALL PROPERTY DRAINAGE CONNECTIONS FROM ROAD RESERVES ARE

ENTER THE PROPERTY 1.0m O/S SIDE BOUNDARY ON THE LOW SIDE WITH 0. COVER UNLESS NOTED OTHERWISE

REFER TO THE CERTIFIED PLAN OF SUBDIVISION FOR ALL EASEMENT WID ALL CONDUIT LOCATIONS ARE TO BE STAMPED IN THE CONCRETE KERBING

30. 100mm DEEP CATCH DRAINS TO BE CONSTRUCTED ALONG ALL EASEMEN DRAINAGE AND DIRECTED TO LEGAL POINT OF DISCHARGE

ALL HOUSE DRAIN CONNECTIONS TO REINFORCED CONCRETE PIPES ARE UTILISE "FLOWCON CONCONECT" OR COUNCIL APPROVED EQUIVALEN PRODUCTS TO AVOID PIPE PROTRUSIONS INTO THE LARGER PIPE

ED DOAD LAVOUT DIANG EOD MATED & CAS DOAD SE

ELECTION & TELECOMMUNICATIONS CONDUCTIONS ON ON THESE PLANS THE MACCOON TO THE PLANS T TION OF THE CONSULTING APPROVED

B BARRICADING TO CO!

APPROVIDE AND MAINTAIN ALL

B BARRICADING TO CO!

DISHOSAL TOGATION ARE 6 / 45 OF THE PROJECT AREA CONTAINS THE FOLLOWING SERVICES FOR ASSISTANCE SERVICE AUTHORITY & CONTACT

DRAINAGE MACEDON RANGES SHIRE PERMENDENT BALLANTISED OFFICE ZURET.

COMMUNICATIONS TELSTRA
ZONE (CANOPY) OF AN 32 NATURE WESTERN WATER /

36. IN ANY EMERGENCY IF YOU BELIEVE LIFE OR PROPER. IS THREAT Municipality & Ref

12 LOT SUBDIVISION 65 OLD LANCEFIELD ROAD, WOODEND

LOCALITY PLAN & GENERAL NOTES

MACEDON RANGES SHT 1 of 17 REV D

Drawing No

PRELIMINARY

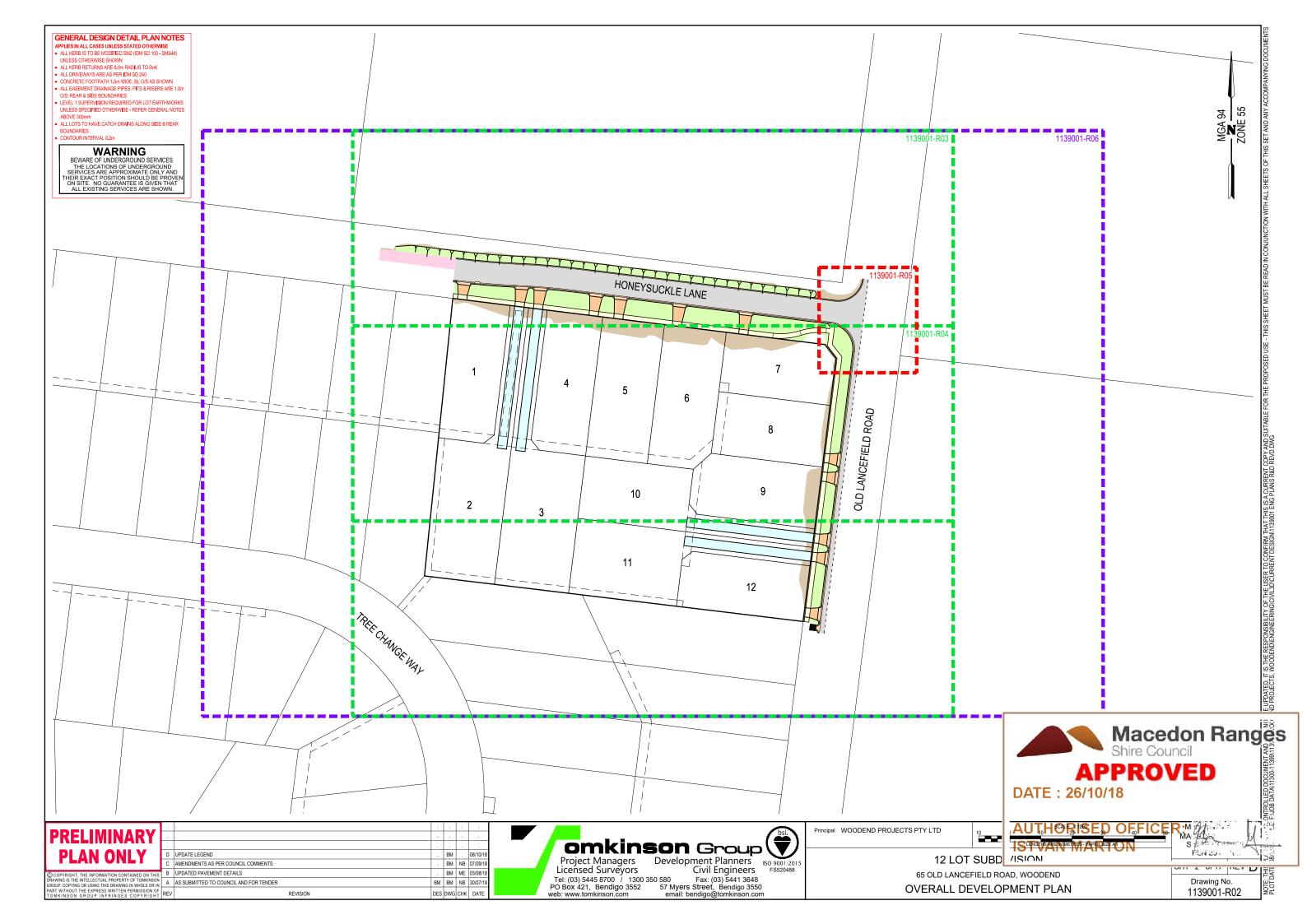
UPDATE LEGEND BM . 08/10/18 AMENDMENTS AS PER COUNCIL COMMENTS BM NB 07/09/ UPDATED PAVEMENT DETAILS BM ME 03/08/ ING IN WHOLE OR IN A SUBMITTED TO COUNCIL AND FOR TENDER BM BM NB 30/07/

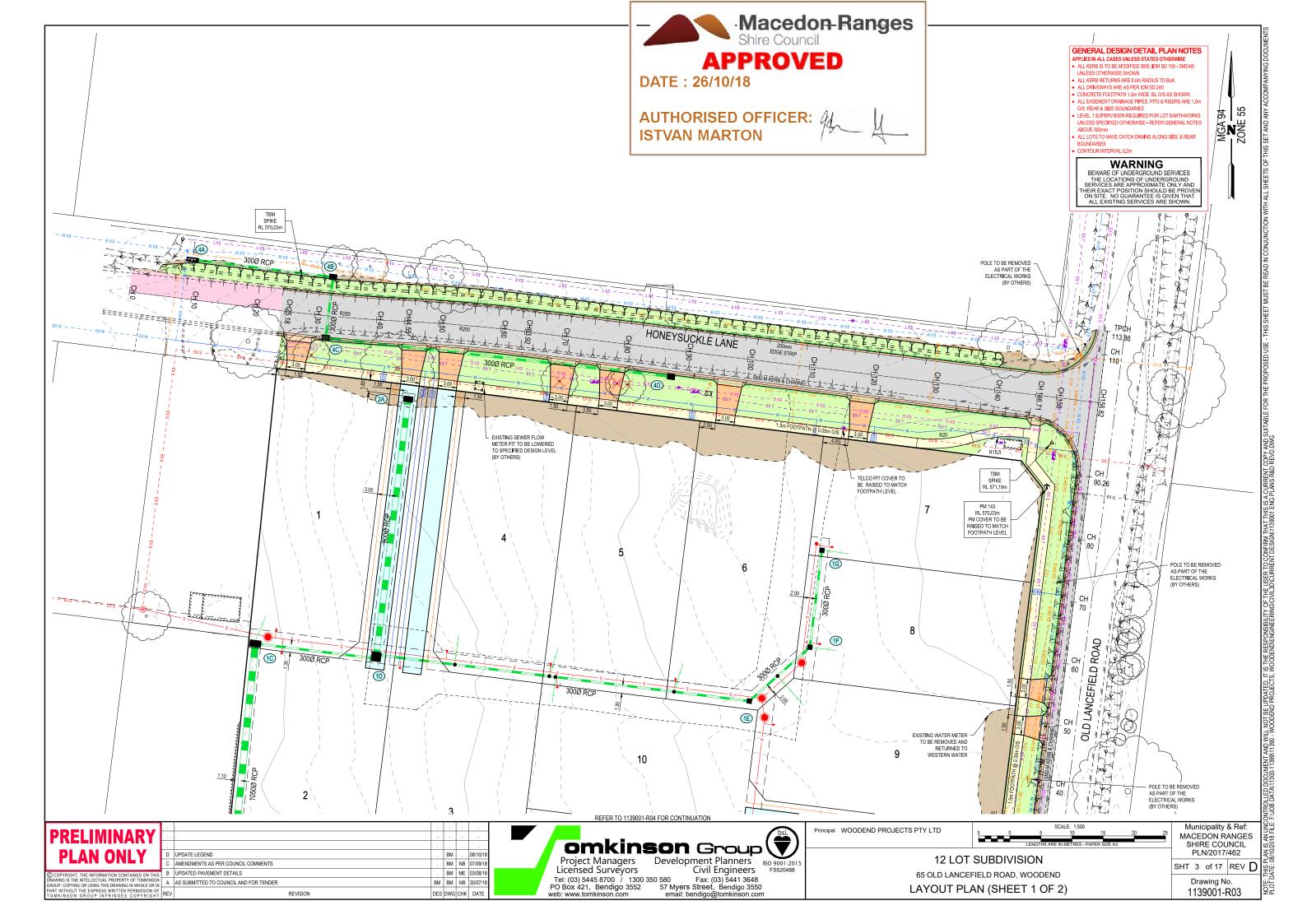


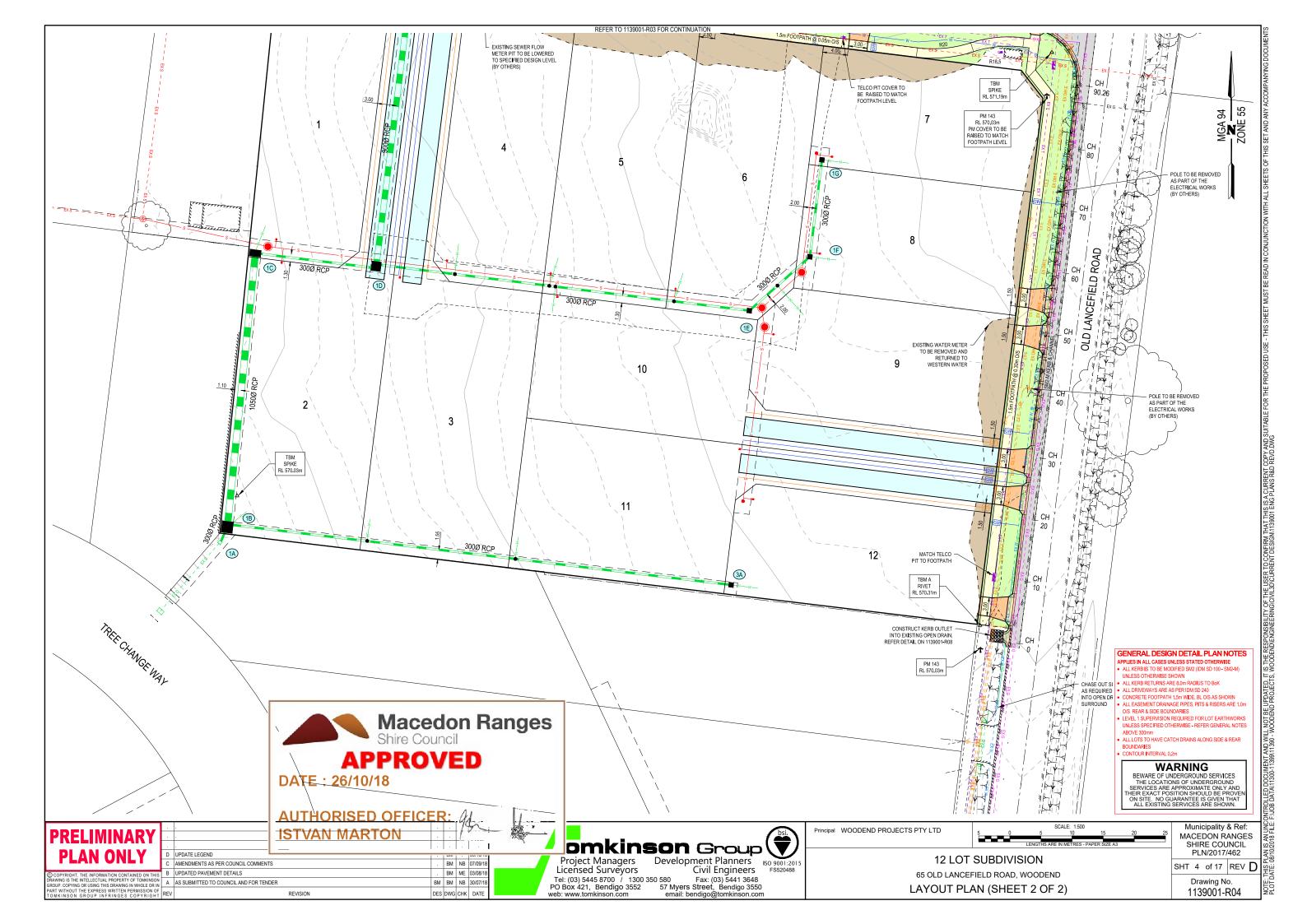
omkinson Group Development Planners Project Managers

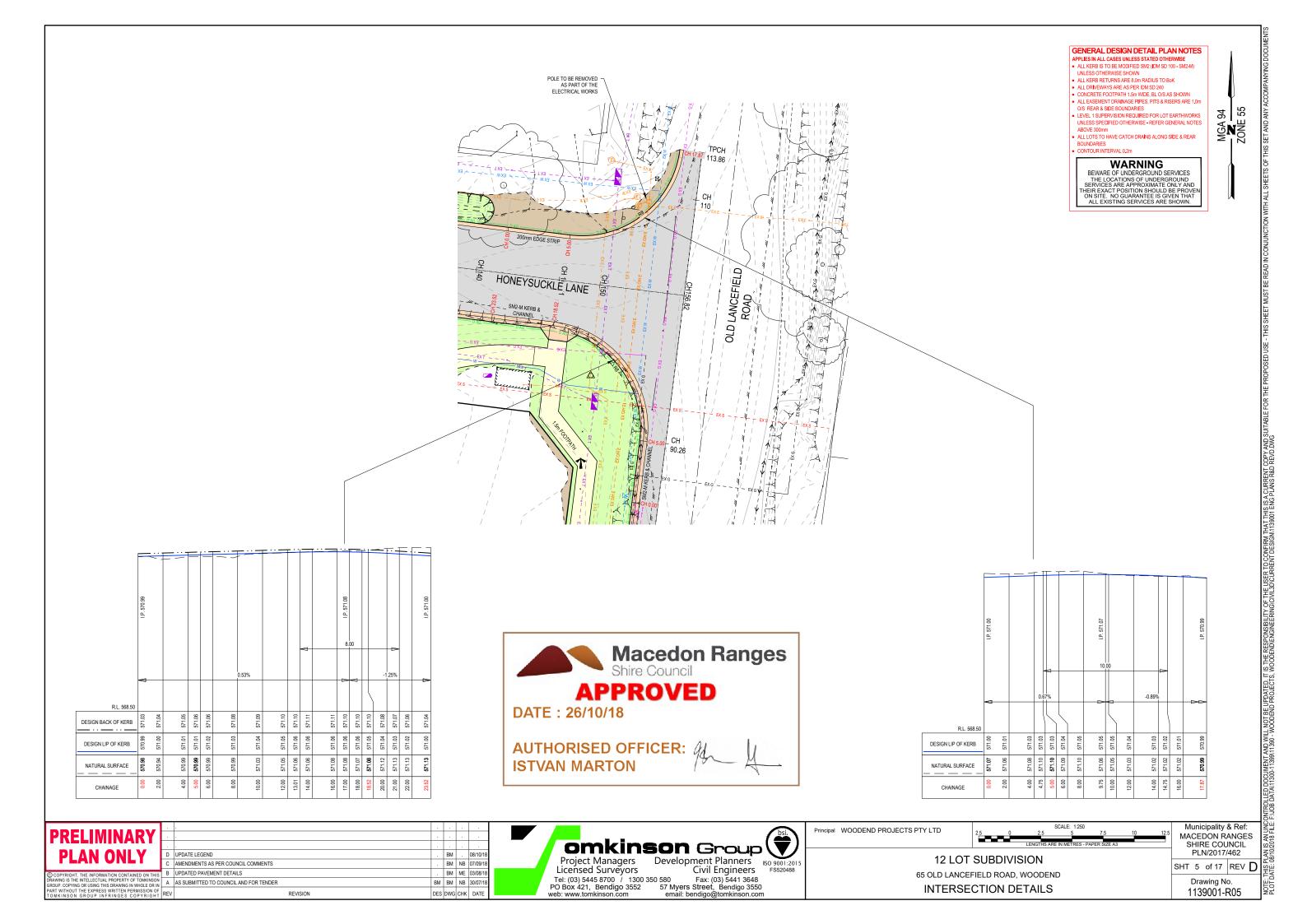
Civil Engineers Licensed Surveyors Tel: (03) 5445 8700 / 1300 350 580 Fax: (03) 5441 3648 email: bendigo@tomkinson.con

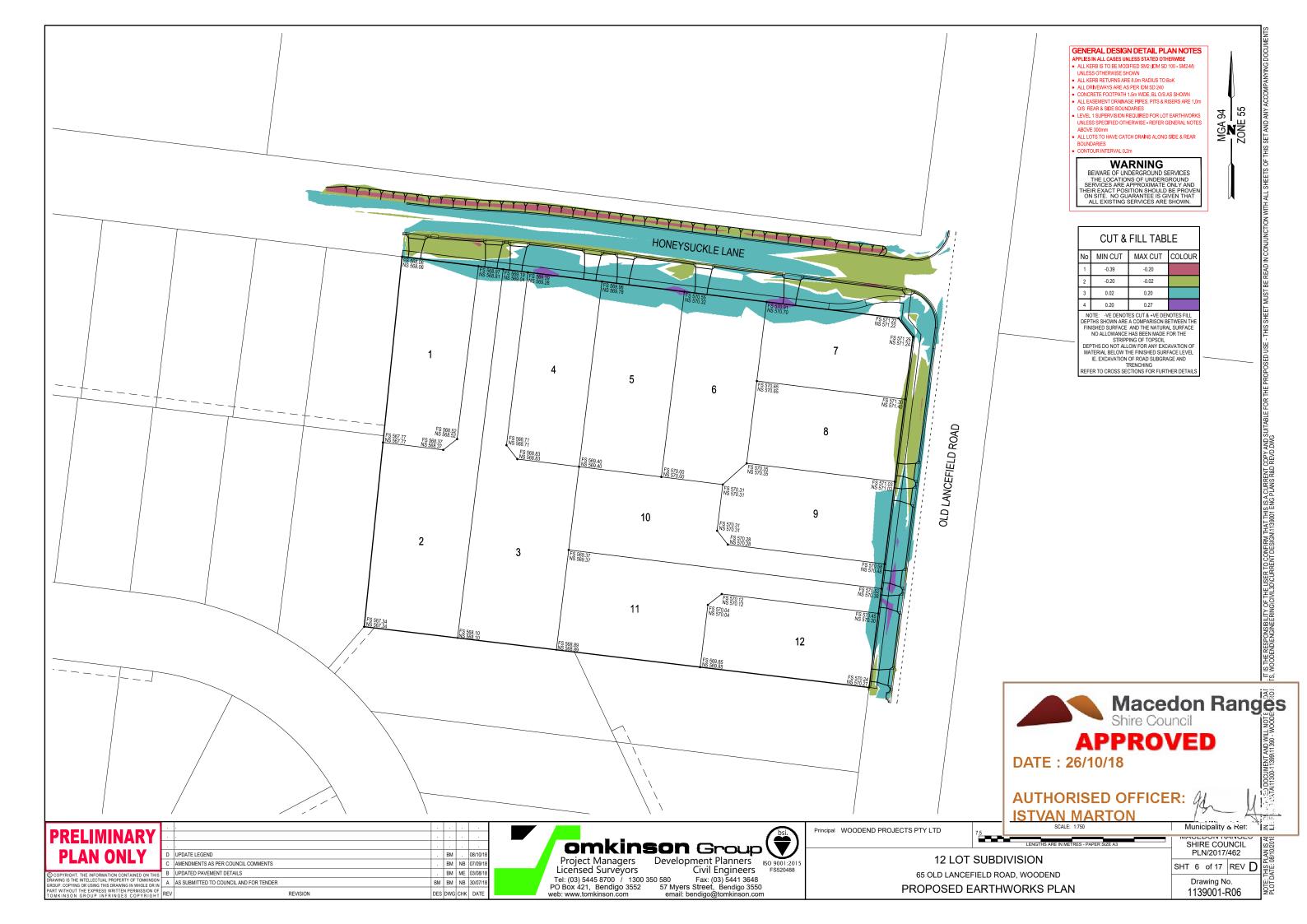
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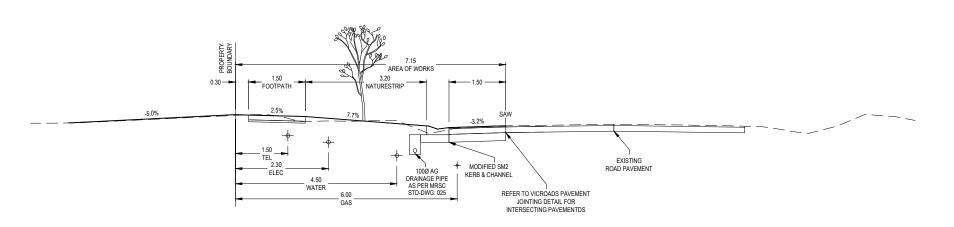




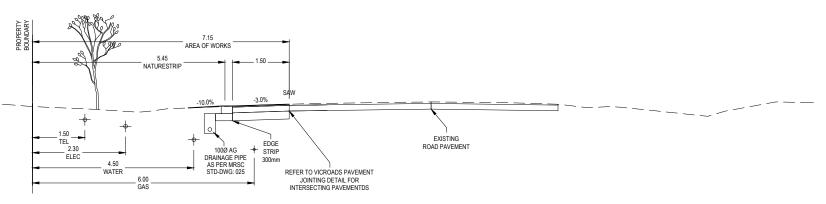




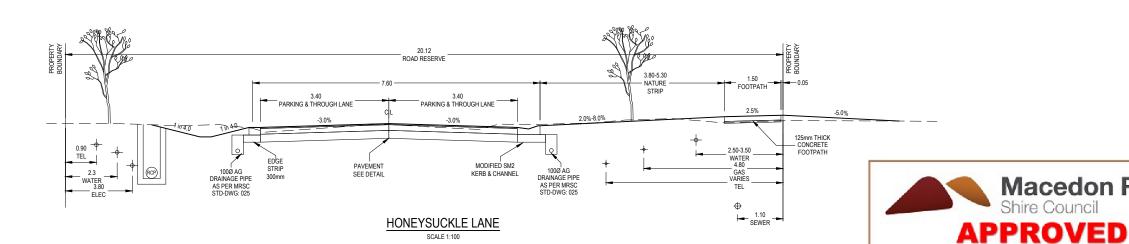




OLD LANCEFIELD ROAD - CH:0.00-100.00



OLD LANCEFIELD ROAD - CH:100.00-113.86



PRELIMINARY PLAN ONLY

UPDATE LEGEND AMENDMENTS AS PER COUNCIL COMMENTS BM NB 07/09/18 B UPDATED PAVEMENT DETAILS G OR USING THIS DRAWING IN WHOLE OR IN A AS SUBMITTED TO COUNCIL AND FOR TENDER BM BM NB 30/07/18

Project Managers Development Planners Licensed Surveyors Civil Engineers Pss20488

91: (03) 5445 8700 / 1300 350 580 Fax: (03) 5441 3640

Project Managers Development Planners IS Licensed Surveyors Civil Engineers
Tel: (03) 5445 8700 / 1300 350 580 Fax: (03) 5441 3648
PO Box 421, Bendigo 3552 For Myers Street, Bendigo 3550 email: bendigo@tomkinson.com

Principal WOODEND PROJECTS PTY LTD

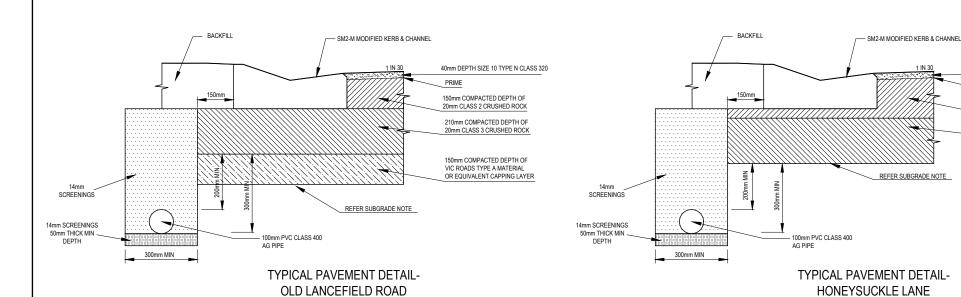
DATE: 26/10/18

SFIIKE CULTULE SHT 7 of 17 REV D Drawing No. 1139001-R07

Macedon Ranges Shire Council

MA /

12 LOT SUBDIVISION 65 OLD LANCEFIELD ROAD, WOODEND TYPICAL DETAILS (SHEET 1 OF 2)



AREA		WEARING COURSE	BASE	SUB-BASE	CAPPING LAYER	NOTES	
	OLD LANCEFILED FULL DEPTH 40mm THICK SIZE 10mm TYPE 'N' ASPHALT		150mm THICK SIZE 20mm CLASS 2 FCR	210mm THICK SIZE 20mm CLASS 3 FCR	150mm COMPACTED DEPTH VIC ROADS TYPE-A MATERIAL	PROVIDE 150mm DEPTH OF VICROADS TYPE A CAPPING MATERIAL TO PROVIDE CAPPING LAYER BETWEEN SUBGRADE AND PAVEMENT. CAPPING LAYER TO BE COMPACTED TO ACHIEVE MINIMUM 3% CBR.	
HONEYSUCKLE FULL DEPTH 30mm THICK		30mm THICK SIZE 10mm TYPE 'N' ASPHALT	250mm THICK SIZE 20mm CLASS 2 FCR	220mm THICK SIZE 20mm CLASS 3 FCR		SUBGRADE TO BE PREPARED TO ACHIEVE MINIMUM 5% CBR. AREAS UNABLE TO ACHIEVE COMPACTION TO BE REMOVED AND REPLACED WITH CLASS 3 CRUSHED ROCK TO A MINIMUM DEPTH OF 200mm	
	INTERNAL CONCRETE DRIVEWAY	125mm REINFORCED CONCRETE 32MPa WITH SL 82 MESH	75mm THICK SIZE 20mm CLASS 3 FCR				
	CONCRETE DRIVEWAY	150mm REINFORCED CONCRETE 32MPa WITH SL 82 MESH	75mm THICK SIZE 20mm CLASS 3 FCR			JOINTING ETC AS PER MRSC STANDARDS	
	CONCRETE FOOTPATH	125mm REINFORCED CONCRETE 25MPa WITH SL 72 MESH	75mm THICK SIZE 20mm CLASS 3 FCR			JOINTING ETC AS PER MRSC STANDARDS	

KERB INVERT LINE OF KERB KERB BACK NOMINAL 100-150mm ROCK SPALLS PRESSED INTO 75mm THICK CONCRETE BASE, MATCH

SLOPE 5%

PLAN - KERB & CHANNEL OUTLET CHUTE

NOT TO SCALE

LONGITUDINAL JOINTS FOR LAYERS TO OCCUR WITHIN 300mm OF EDGE LANE OR CENTRE -

OF LANE

TYPICAL VICROADS PAVEMENT

LONGITUDINAL JOINTING DETAIL

OLD LANCEFIELD ROAD NOT TO SCALE

SUBSOIL DRAINAGE TO BE CONSTRUCTED AS PER TYPE 2 PAVEMENT DRAINAGE -VICROADS STD DWG SD1601

IS THE RESPONSIBILITY OF THE USER TO CONFIRM THAT THIS IS A CURRENT COPY AND SU WOODENDIENGINEERINGICIVIL3DICURRENT DESIGN/1139001 ENG PLANS R&D REVD.DWG

NOMINAL 100-150mm ROCK SPALLS PRESSED INTO 75mm THICK CONCRETE BASE. MATCH

1139001-R08

NO FINES CONCRETE FILTER MEDIUM

GEOFABRIC LINER

100mm PVC CLASS 1000

AG PIPE

20mm SCREENINGS

50mm THICK MIN

PAVEMENT NOTES:

- AGRICULTURAL DRAIN TO BE MIN 300mm BELOW BOTTOM OF ROAD PAVEMENT WITH CLEARANCE TO ALL SERVICE CONDUITS
- AGRICULTURAL DRAIN TO BE MIN 300mm BELOW BOTTOM OF ROAD PAVEMENT WITH CLEARANCE TO ALL SERVICE CONDUIT SCREENING IN A.G. TRENCH TO BE 20mm ONE SIZE AND TO EXTEND TO BOTTOM OF KERR AND CHANNEL CLASS 400 PIPE TO BE USED AT BACK OF KERB OR IN NON-TRAFFICABLE AREAS AND BACKFILLED WITH 20mm SCREENINGS CLASS 1000 PIPE TO BE USED IN TRAFFICABLE AREAS AND BACKFILLED WITH NO-FINES CONCRETE USE OF SCORIA SCREENINGS IS NOT PERMITTED WHERE SUBGRADE IMPROVEMENT IS UNDERTAKEN IN ISOLATED AREAS, THE AFFECTED AREA IS TO BE EXCAVATED AND CONTROL OF THE SUBGRADE IMPROVEMENT IS UNDERTAKEN IN ISOLATED AREAS, THE AFFECTED AREA IS TO BE EXCAVATED AND CONTROL OF THE SUBGRADE IMPROVEMENT IS UNDERTAKEN IN ISOLATED AREAS, THE AFFECTED AREA IS TO BE EXCAVATED AND CONTROL OF THE SUBGRADE IMPROVEMENT IS UNDERTAKEN IN ISOLATED AREAS, THE AFFECTED AREA IS TO BE EXCAVATED AND CONTROL OF THE SUBGRADE IMPROVEMENT IS UNDERTAKEN IN ISOLATED AREAS, THE AFFECTED AREA IS TO BE EXCAVATED AND CONTROL OF THE SUBGRADE IMPROVEMENT IS UNDERTAKEN IN ISOLATED AREAS, THE AFFECTED AREA IS TO BE EXCAVATED AND CONTROL OF THE SUBGRADE IMPROVEMENT IS UNDERTAKEN IN ISOLATED AREAS, THE AFFECTED AREA IS TO BE EXCAVATED AND CONTROL OF THE SUBGRADE IMPROVEMENT IS UNDERTAKEN IN ISOLATED AREAS, THE AFFECTED AREA IS TO BE EXCAVATED AND CONTROL OF THE SUBGRADE IMPROVEMENT IS UNDERTAKEN IN ISOLATED AREAS, THE AFFECTED AREA IS TO BE EXCAVATED AND CONTROL OF THE SUBGRADE IMPROVEMENT IS UNDERTAKEN IN ISOLATED AREAS.

- WHERE SUBGRADE IMPROVEMENT IS UNDERTAKEN IN ISOLATED AREAS, THE AFFECTED AREA IS TO BE EXCAVATED AND REPLACED WITH A LAYER OF 250mm DEPTH CLASS 3 FOR, COMPACTED TO 98% STANDARD.

 SUBGRADE TO BE IMPROVED VIA LIME & CEMENT STABILISATION TO ACHIEVE MINIMUM CBR VALUE OF 10.

 7.1. A TYPICAL VALUE OF 3% LIME AND CEMENT STABILISATION 300mm THICK CAN BE CONSIDERED, OR;
 7.2. ALTERNATIVELY ADDITIONAL SUB BASE LAYER OF 250mm DEPTH 3% CEMENT STABILISED CL3 CRUSHED ROCK.
 7.3. STABILISED SUB-GRADE CBR TO BE VERIFIED TO SATISFACTION OF COUNCIL BY INDEPENDENT GEOTECHNICAL ENGINEER
 WHEN PAVEMENT EXCAVATION IS IN ROCK, ALL LOOSE MATERIAL (INCL' ROCK & CLAY) MUST BE REMOVED. THE SUBGRADE
 MUST THEN BE REGULATED WITH COUNCIL APPROVED MATERIAL.

 PRIOR TO PLACEMENT OF THE FILL MATERIAL UNDER NEW PAVEMENT, APPROVAL OF THE MATERIAL TO BE USED MUST BE
 CREATINED FROM COLINICITY.
- OBTAINED FROM COUNCIL



Principal WOODEND PROJECTS PTY LTE

30mm DEPTH SIZE 10 TYPE N CLASS 320

250mm COMPACTED DEPTH OF 20mm CLASS 2 CRUSHED ROCK

220mm COMPACTED DEPTH OF

20mm CLASS 3 CRUSHED ROCK

REFER SUBGRADE NOTE

KERB LIP

SCALE AS SHOWN Municipality & Ref. MACEDON RANGES SHIRE COUNCIL 12 LOT SUBDIVISION SHT 8 of 17 REV D 65 OLD LANCEFIELD ROAD, WOODEND Drawing No. TYPICAL DETAILS (SHEET 2 OF 2)

SECTION Z-Z

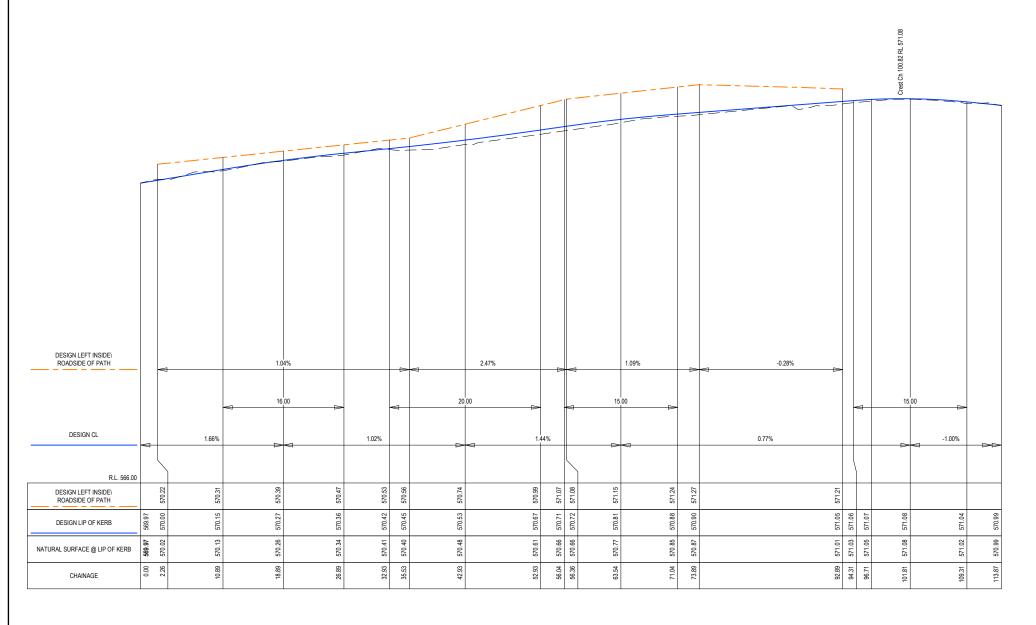
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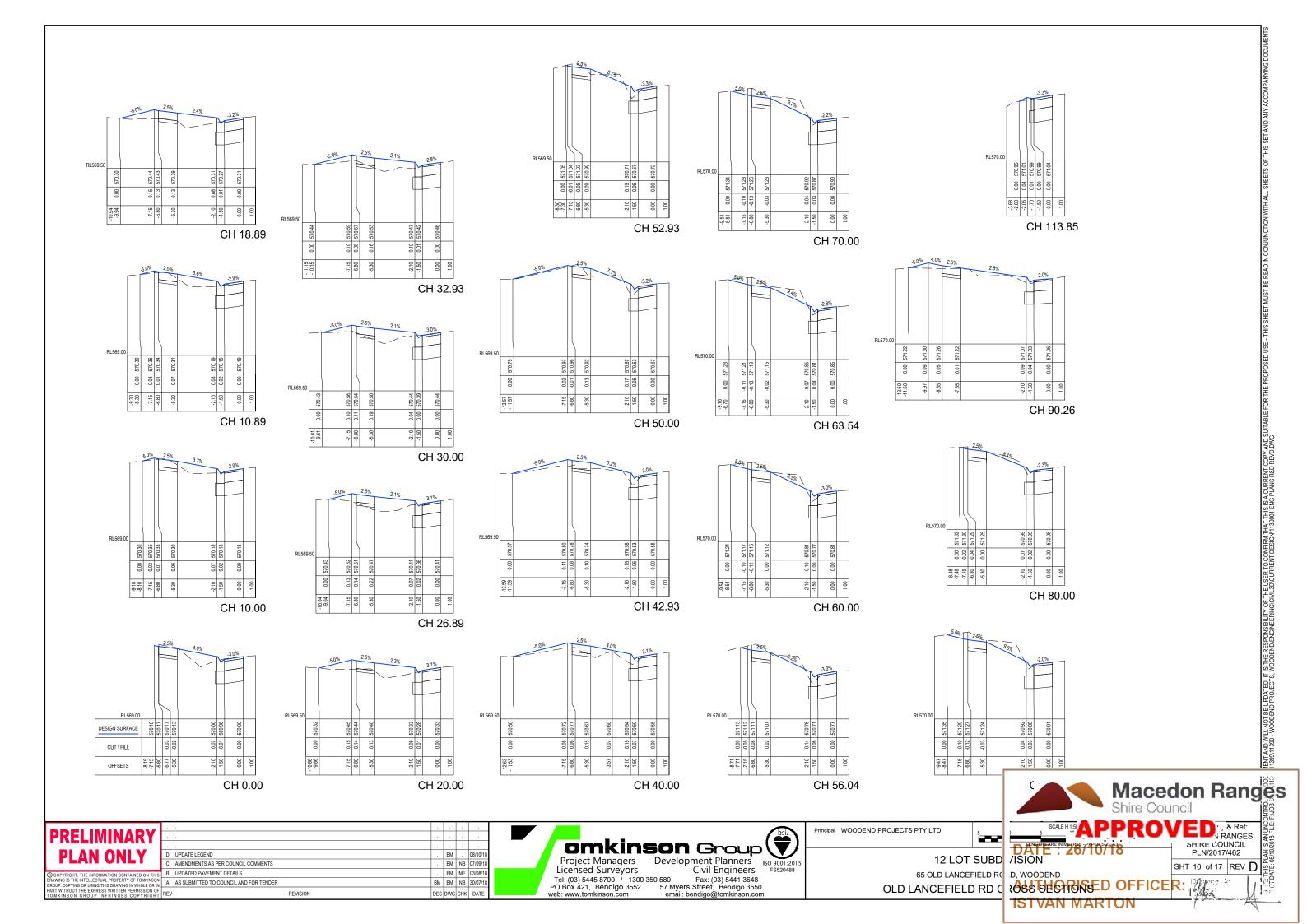


Municipality & Ref: MACEDON RANGES SHIRE COUNCIL

SHT 8 of 17 REV D Drawing No.

12 LOT SUBDIVISION 65 OLD LANCEFIELD ROAD, WOODEND OLD LANCEFIELD LONG SECTION - LIP OF KERB

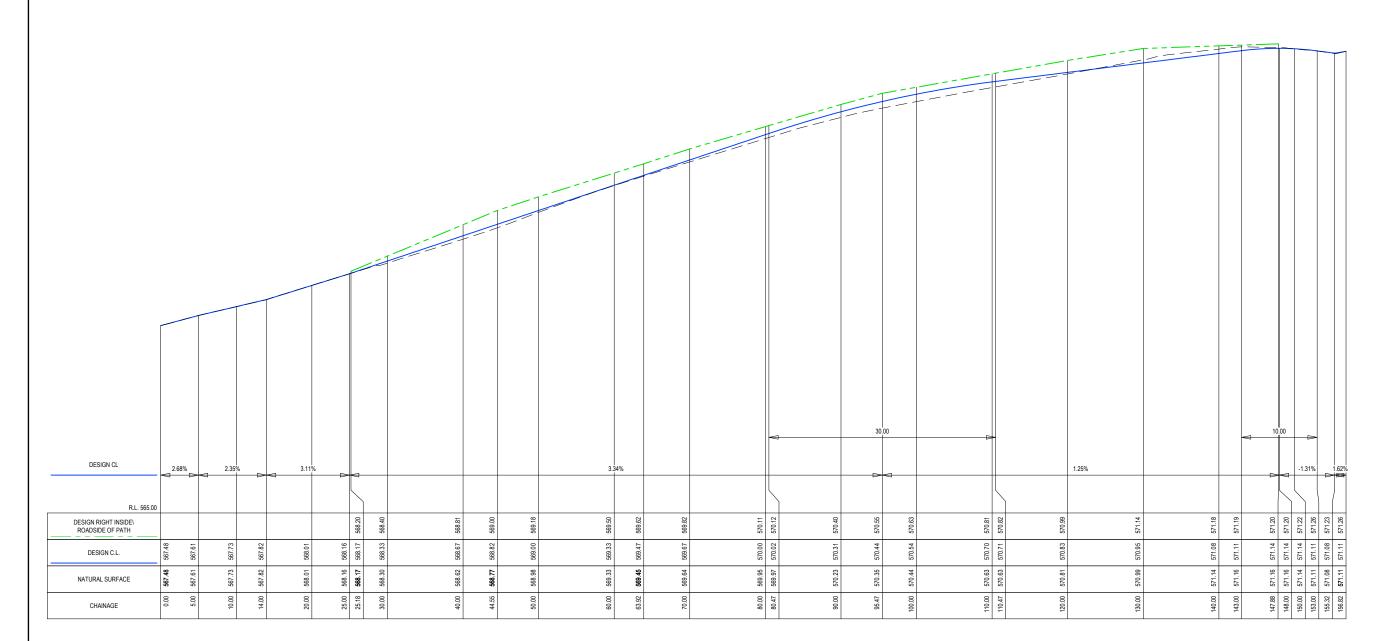
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AUTHORISED OFFICER: **ISTVAN MARTON**





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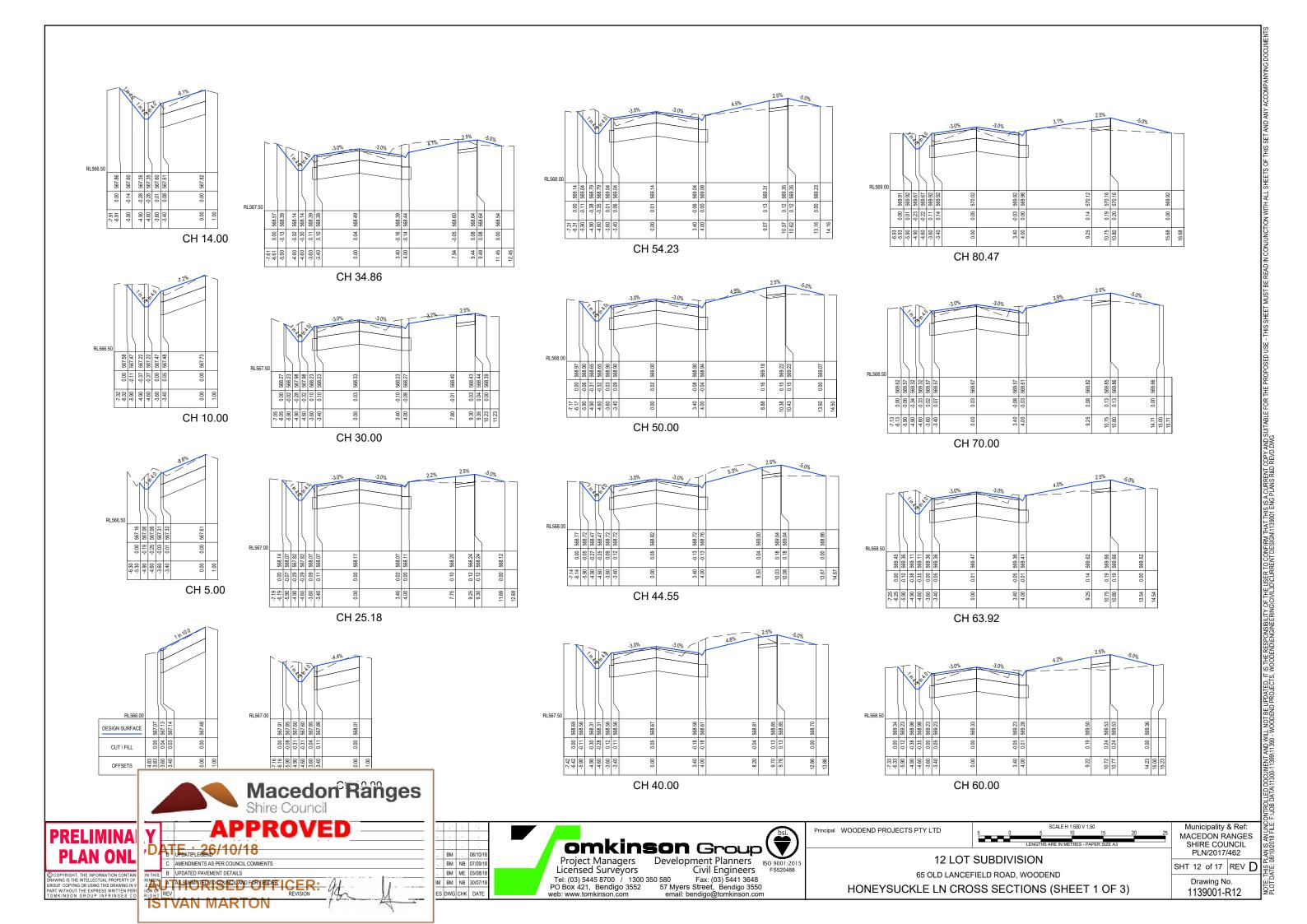
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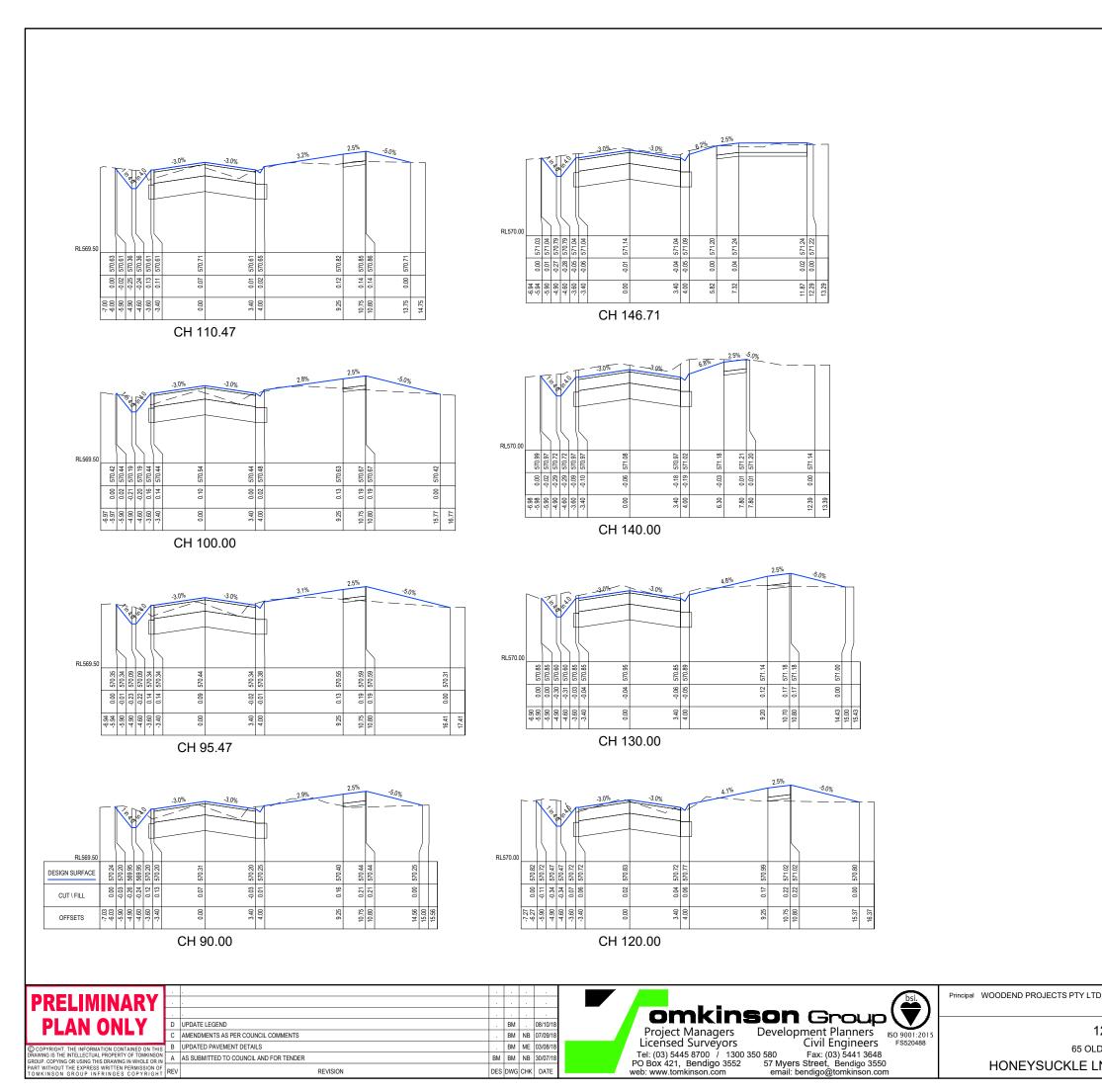


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SHT 11 of 17 REV D Drawing No. 1139001-R11

12 LOT SUBDIVISION 65 OLD LANCEFIELD ROAD, WOODEND HONEYSUCKLE LN LONG SECTION





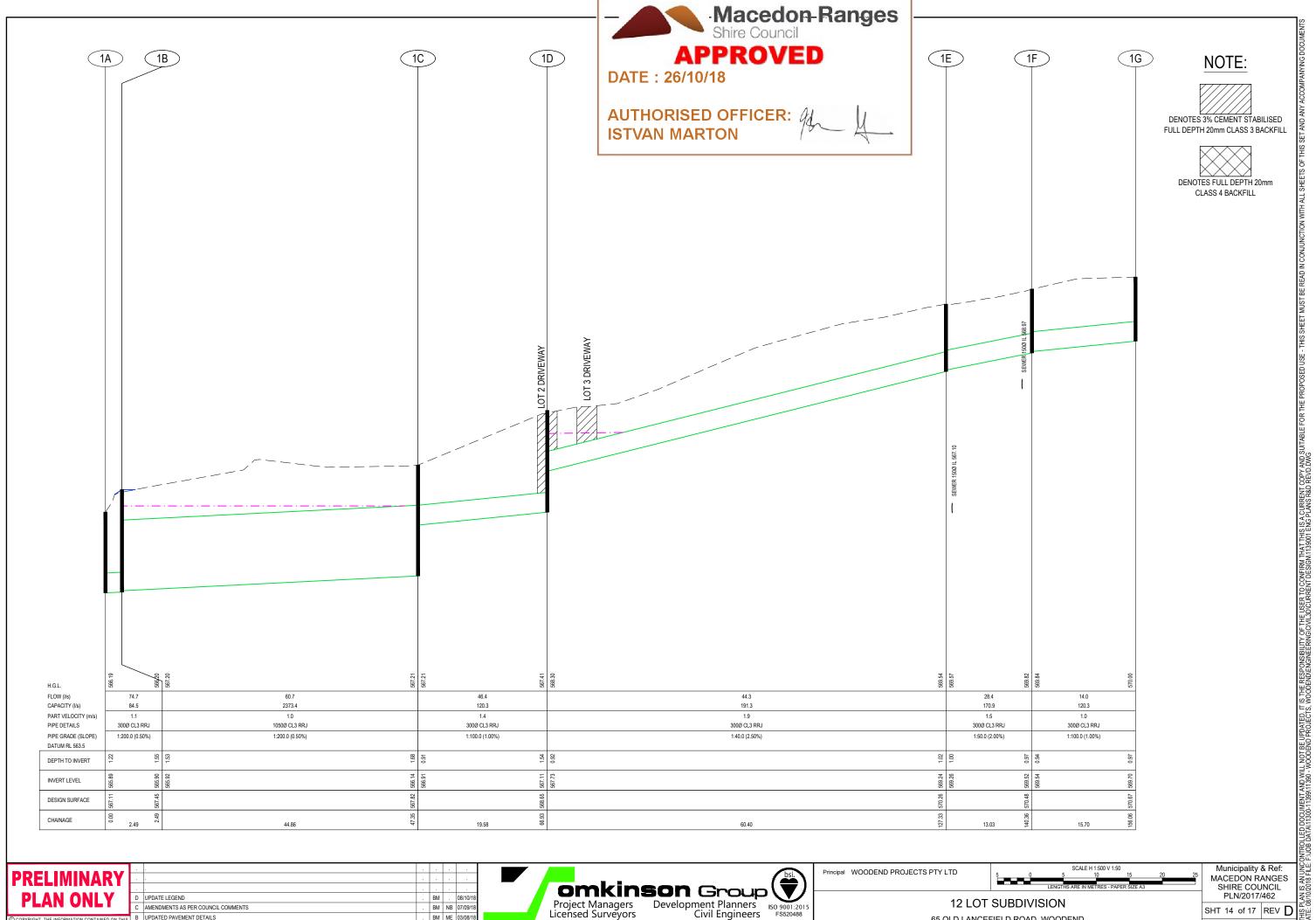


12 LOT SUBDIVISION

65 OLD LANCEFIELD ROAD, WOODEND HONEYSUCKLE LN CROSS SECTIONS (SHEET 2 OF 3)

SHT 13 of 17 REV D

Drawing No.
1139001-R13



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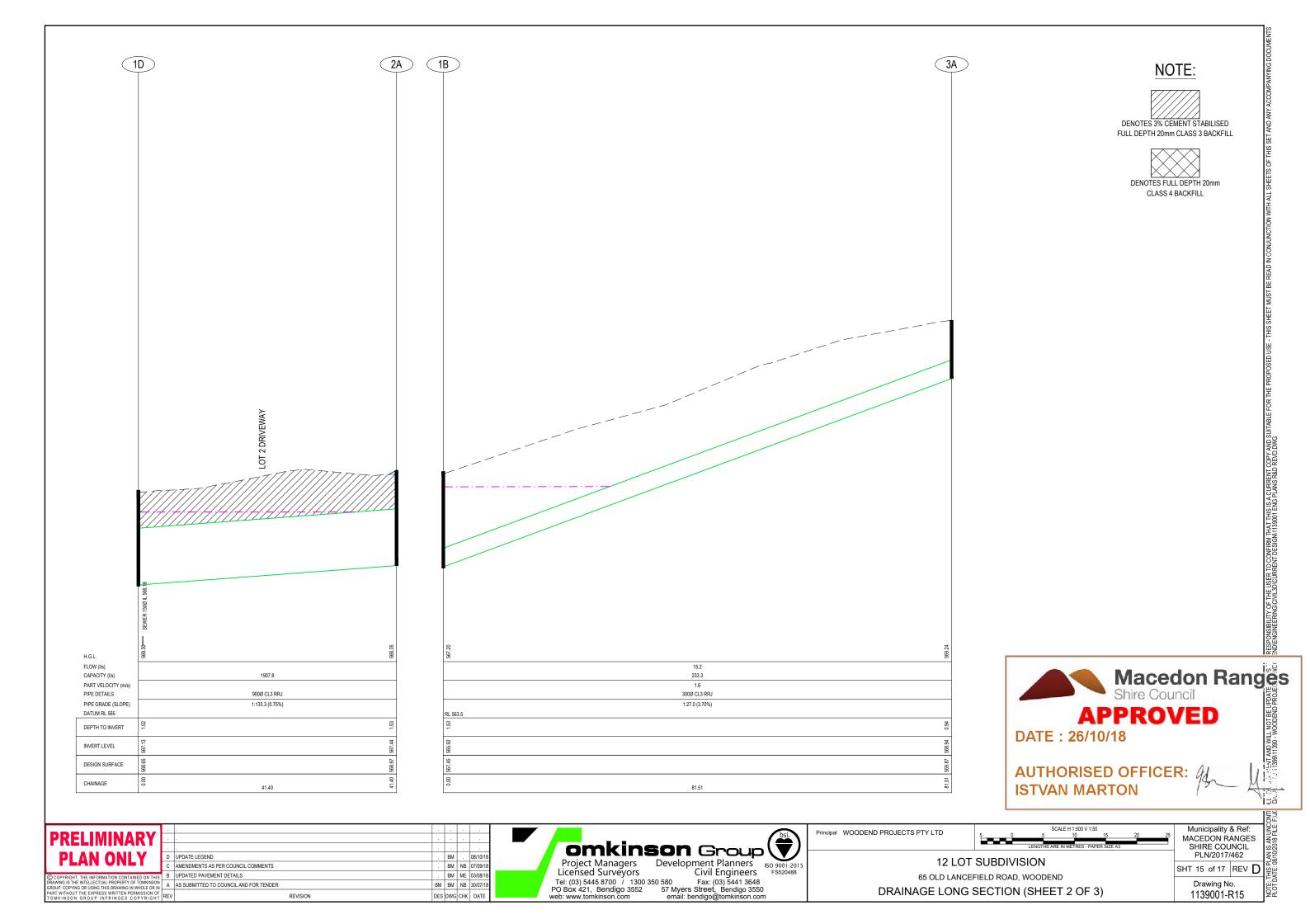
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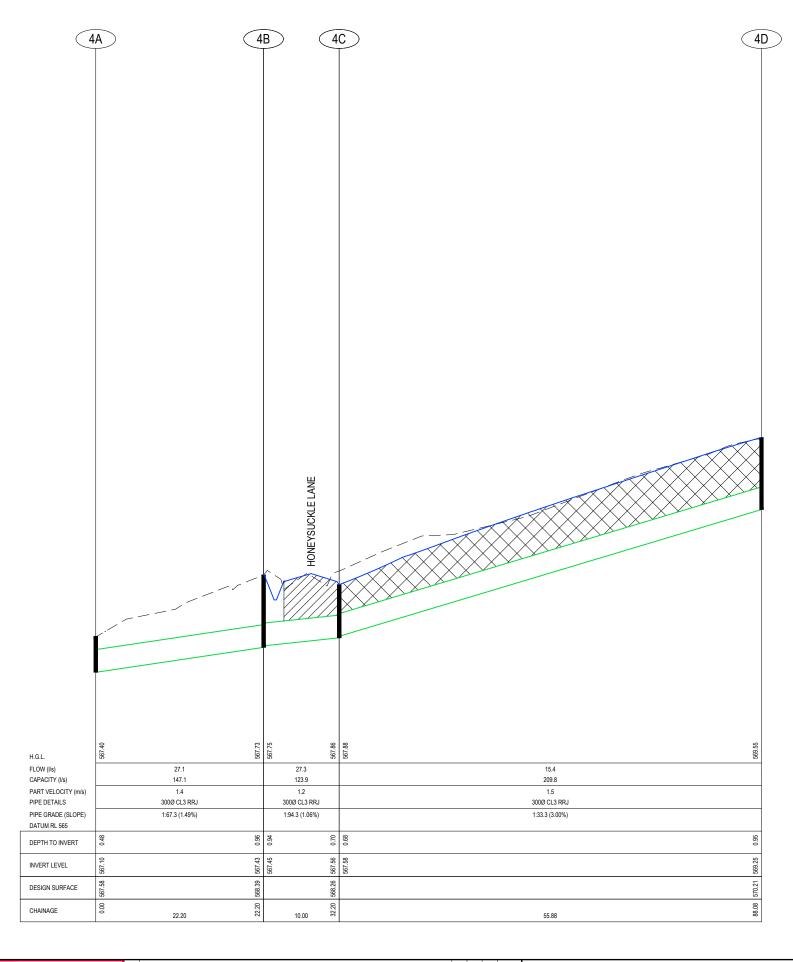
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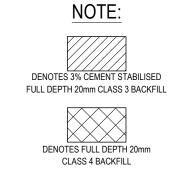
65 OLD LANCEFIELD ROAD, WOODEND DRAINAGE LONG SECTION (SHEET 1 OF 3)

Drawing No. 1139001-R14





	PIT SCHEDULE								
Pit No.	Pit Type	Pit Dimensions	Outlet Diameter	Outlet Invert RL	Inlet Diameter	Inlet Invert RL	Pit Depth	Pit Lid Level	Comment
		(mm)	(mm)	(m)	(mm)	(m)	(m)	(m)	
1A	EXI JP	450x450			300	565.89	1.22	567.11	
1B	JP	1500x1500	300	565.90	1050	565.92	1.55	567.45	
					300	565.92			
1C	JP	1500x750	1050	566.14	300	566.91	1.68	567.82	REFER TO SHEET 1139001-R18 FOR DETAILS
1D	JP	1200x1350	300	567.11	900	567.13	1.54	568.65	CLASS 'D' TRAFFICABLE LID, REFER TO SHEET 1139001-R18 FOR DETAILS
					300	567.73			
1E	JP	450x450	300	569.24	300	569.26	1.02	570.26	
1F	JP	450x450	300	569.52	300	569.54	0.97	570.48	
1G	JP	450x450	300	569.70			0.97	570.67	
2A	JP	1200x600	900	567.44			1.53	568.97	CLASS 'D' TRAFFICABLE LID
3A	JP	450x450	300	568.94			0.94	569.87	
4A	HW	300			300	567.100	0.48	567.58	DRIVABLE CULVERT HEADWALL, REFER TO MRSC SD-028
4B	JP	600x900	300	567.43	300	567.450	0.96	568.39	REFER TO MRSC SD-014
4C	GJP	600X900	300	567.56	300	567.580	0.70	568.26	CLASS 'D' BICYCLE SAFE GRATED LID WITHIN KERB, REFER TO MRSC SD-013
4D	SEP	900x600	300	569.25			0.95	570.21	REFER TO MRSC SD-012





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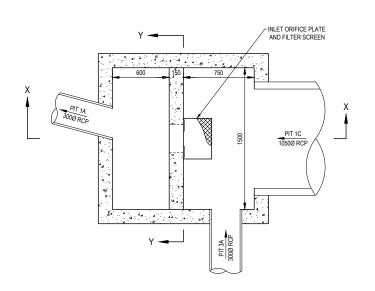
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SHT 16 of 17 REV D

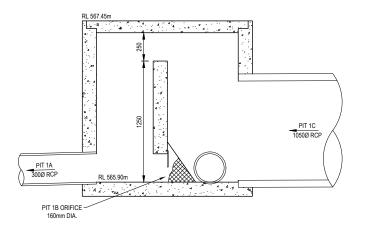
12 LOT SUBDIVISION 65 OLD LANCEFIELD ROAD, WOODEND DRAINAGE LONG SECTION (SHEET 3 OF 3) + PIT SCHEDULE

Drawing No. 1139001-R16



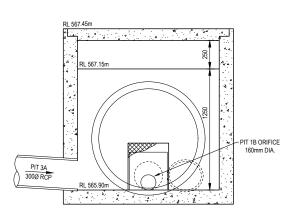
JUNCTION PIT 1B - TYPICAL DETAIL

DIEMENSIONS IN mm NOT TO SCALE



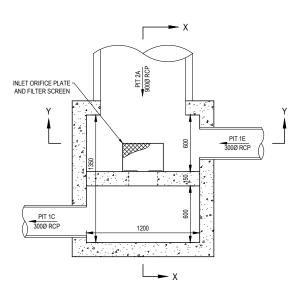
JUNCTION PIT 1B - SECTION X-X

NOT TO SCALE



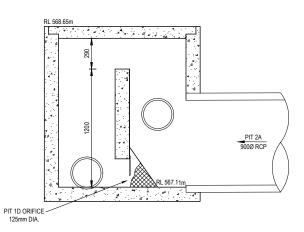
JUNCTION PIT 1B - SECTION Y-Y

NOT TO SCALE



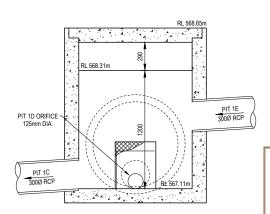
JUNCTION PIT 1D - TYPICAL DETAIL

DIEMENSIONS IN mm NOT TO SCALE

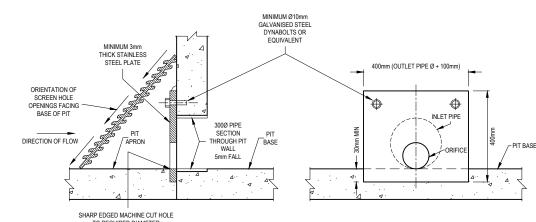


JUNCTION PIT 1D - SECTION X-X

DIEMENSIONS IN m NOT TO SCALE



NOT TO SCALE



TO REQUIRED DIAMETER
INVERTS OF PIPE & ORIFICE TO BE
FLUSH - BASE OF ORIFICE PLATE SET
MIN 30mm INTO PIT BASE

ORIFICE PLATE & SCREEN MESH SECTION A-A

ORIFICE PLATE & SCREEN MESH SECTION B-B

FILTER SCREEN MATERIAL	SELECTION

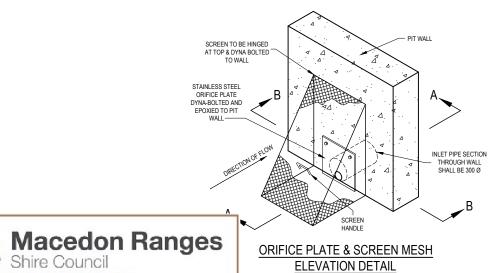
 ORIFICE SIZE
 PRODUCT
 SCREEN SIZE

 PTT 1D - 125mm Ø
 SANKEY MAXI-MESH RH3030 OR EQUIVALENT
 MIN 50 X ORIFICE AREA

 PTT 1B - 160mm Ø
 WELDLOK A40/203
 MIN 20 X ORIFICE AREA

POUR PIT WALL IN-SITU ATTACH ORIFICE PLATE TO PIT WALL WITH TOP TWO DYNABOLTS POUR AND SHAPE PIT BASE TO SUIT

CONSTRUCTION METHOD



ORIFICE PLATE & SCREEN MESH **ELEVATION DETAIL**

JUNCTION PIT 1D - SECTION Y-Y

AUTHORISED OFFICER:

email: bendigo@tomkinson.com

DATE: 26/10/18

APPROVED

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12 LOT SUBDIVISION 65 OLD LANCEFIELD ROAD, WOODEND STORMWATER DETAILS

Municipality & Ref: MACEDON RANGES SHIRE COUNCIL

SHT 17 of 17 REV D Drawing No.

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1139001-R17

SCALE AS SHOWN