


PROPOSED EXTENSIONS AT 853 MT ALEXANDER ROAD, ESSENDON VIC 3040

GENERAL NOTES - CIVIL SITWORKS

<p>1. SURVEY SURVEY DATUM</p> <p>THESE PLANS ARE BASED UPON THE EXISTING CONDITIONS SURVEY. LEVELS SHOWN ARE BASED ON AN ARBITRARY DATUM. SURVEY BY OTHERS.</p> <p>SETOUT</p> <p>THE CONTRACTOR SHALL SETOUT THE WORKS FROM THE NOMINATED DESIGN LINES, SURVEY BENCHMARKS AND CONTROL POINTS SHOWN ON THE PLANS AND TO THE SPECIFIED DETAILS.</p> <p>DIMENSIONS</p> <p>ALL DIMENSIONS ARE TO FACE OF KERB OR OUTER EDGE OF LINEMARKING WHERE APPLICABLE</p> <p>REFERENCES PROTECTION</p> <p>THE CONTRACTOR SHALL MAINTAIN AND PROTECT THE PEGS AND SURVEY MARKS FOR THE DURATION OF THE WORKS.</p> <p>2. EARTHWORKS GENERAL</p> <p>EARTHWORKS SHALL BE CARRIED OUT TO THE FINISHED SURFACE LEVELS SHOWN ON THE EARTHWORKS PLANS AND CROSS SECTIONS (WHERE APPLICABLE). CUT BATTERS SHALL NOT EXCEED 1 IN 6 AND FILL BATTERS SHALL NOT EXCEED 1 IN 6 SLOPE UNLESS INDICATED OTHERWISE.</p> <p>GEOTECHNICAL DATA</p> <p>REFER TO THE GEOTECHNICAL REPORT FOR PAVEMENT RECOMMENDATIONS AND SOIL CONDITIONS.</p> <p>SUBGRADE CONDITIONS</p> <p>IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN SITE GRADING AND DRAINAGE AND TO PROTECT AND MAINTAIN SUBGRADES IN A SUITABLE CONDITION (MIN. CBR 3.) IN ORDER TO ACHIEVE THE COMPACTIONS SPECIFIED. SHOULD SUBGRADES BECOME SATURATED ANY UNSUITABLE MATERIAL IS TO BE REMOVED AND MADE GOOD WITH TYPE B GENERAL FILL AND/OR LIME/CEMENT STABILIZED AS REQUIRED IN ORDER TO MAINTAIN SUBGRADES. ALL SUBGRADES ARE TO BE PROOF ROLLED AND APPROVED PRIOR TO CONSTRUCTION OF PAVEMENTS AND/OR COMMENCEMENT OF FILLING.</p> <p>COMPACTION TO AS1289</p> <p>THE CONTRACTOR SHALL OBTAIN 98% STANDARD MINIMUM DRY DENSITY COMPACTION ON ALL FINISHED SUBGRADES AND FORMATIONS.</p> <p>FILLING</p> <p>PRIOR TO THE COMMENCEMENT OF FILLING THE SITE SHALL BE STRIPPED AS NOTED. FILLING IS TO BE CARRIED OUT IN STRICT ACCORDANCE WITH THE SPECIFICATIONS AND AS3798. APPROVED MATERIAL WON FROM SITE OR APPROVED COMPACTED FILL SHALL BE MOISTURE CONDITIONED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT PRIOR TO BEING PLACED IN UNIFORM HORIZONTAL LAYERS OF 200mm MAXIMUM DEPTH AND COMPACTED AS SPECIFIED. ALL FINISHED SURFACES SHALL ACHIEVE A MINIMUM COMPACTION OF 98% STANDARD DRY DENSITY. COMPACTION TESTING OF ALL FILL SHALL BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF AS 3798.</p> <p>INSPECTION & TESTING</p> <p>THE CONTRACTOR SHALL INSTRUCT A NATA REGISTERED GEOTECHNICAL ENGINEER TO CARRY OUT LEVEL 2 SUPERVISION (U.N.O) TESTING AND REPORTING IN ACCORDANCE WITH AS3798 AND AS1289 AND TO RELEVANT COUNCIL REQUIREMENTS FOR THIS PROJECT. THIS REQUIRES THE GEOTECHNICAL CONSULTANT TO UNDERTAKE THE SAMPLING AND TESTING ON SITE AS SPECIFIED IN ADDITION THEY ARE RESPONSIBLE FOR THE SELECTION TIMING AND LOCATION OF SAMPLING ON EACH VISIT. THE GEOTECHNICAL CONSULTANT SHALL PROVIDE TEST RESULT TO SUPERINTENDENT AS THEY ARE TAKEN AND SUBMIT A COMPREHENSIVE FINAL REPORT TO SUPERINTENDENT SATISFACTION PRIOR TO PRACTICAL COMPLETION. THE FREQUENCY OF TESTING SHALL BE IN ACCORDANCE WITH AS3798 TABLE 8.1 (ADOPTING WHICHEVER GIVES THE MOST TEST RESULTS).</p> <p>SMALL DEVELOPMENTS * 1 TEST PER 200 m³ (DISTRIBUTED OVER AREA AND DEPTH). * 1 TEST PER 200mm THICK LAYER PER 1000 m². * 1 TEST PER LOT</p> <p>REINSTATEMENT</p> <p>THE CONTRACTOR SHALL REGRADE, SHAPE, TOPSOIL AND GRASS ALL ADJACENT EXISTING GRASSED AREAS THAT ARE DISTURBED OR ALTERED AS A CONSEQUENCE OF THE PROPOSED WORKS.</p> <p>3. LANDSCAPING LANDSCAPE AREAS</p> <p>FOR DETAILS OF LANDSCAPE AREAS & FINISH, REFER TO LANDSCAPE ARCHITECT'S DRAWINGS.</p> <p>PREPARATION</p> <p>IN NEW LANDSCAPE AREAS ALL REDUNDANT PAVEMENT MATERIAL SHALL BE REMOVED & REINSTATED WITH CLEAN FILL TO 150mm BELOW FINISHED SURFACE LEVEL. UNLESS NOTED OTHERWISE ON THE LANDSCAPE PLANS, REINSTATEMENT OF A MIN. 150mm OF CLEAN TOPSOIL SHALL BE PROVIDED TO ALL LANDSCAPE AREAS.</p> <p>EXISTING</p> <p>ALL EXISTING TREES IN THE VICINITY OF THE TRAFFICABLE AREAS THAT ARE TO BE RETAINED SHALL BE PRUNED, & ROOTS CUT & SEALED WHERE THEY EXTEND BENEATH NEW WORKS, BY APPROPRIATELY QUALIFIED PERSONNEL. TREES TO BE REMOVED SHALL HAVE ALL ROOTS GRUBBED OUT AND BE MADE GOOD WITH COMPACTED FILL.</p> <p>4. SITE CLEARANCE DEMOLITION</p> <p>ALL EXISTING REDUNDANT CONCRETE, PAVEMENT, SOIL, RUBBISH AND CONSTRUCTION DEBRIS SHALL BE TAKEN UP AND REMOVED FROM SITE.</p> <p>CLEAN UP</p> <p>PRIOR TO COMPLETION, THE CONTRACTOR SHALL ENSURE THE SITE OF WORKS IS TIDIED AND OBTAIN A CLEARANCE FROM THE SUPERVISING ENGINEER OR THE PROJECT MANAGER.</p> <p>5. DRAINAGE PIPES</p> <p>DRAINAGE PIPES ABOVE 225mmØ TO BE MINIMUM OF CLASS 2 REINFORCED CONCRETE, FRCP OR SRCP (RUBBER RING JOINTED) UNLESS OTHERWISE SPECIFIED. DRAINAGE PIPES UP TO 225Ø TO BE SEWER QUALITY UPVC (RUBBER RING JOINTED) UNO. COMPACTED CLASS 2 FCR BACKFILL SHALL BE INSTALLED TO PIPES UNDER ROAD PAVEMENTS AND BUILDING SLABS. TRENCHES IN LANDSCAPE AREAS CAN BE BACKFILLED WITH SELECTED CLAY FILL.</p> <p>EXISTING PIPES</p> <p>ALL EXISTING PIPES THROUGH EXISTING LANDSCAPE AREAS THAT WILL NOW BE BENEATH NEW ROAD PAVEMENT SHALL HAVE THE EXISTING BACKFILL REMOVED AND REPLACED WITH A CRUSHED ROCK BACKFILL COMPACTED TO 98% STANDARD.</p> <p>PIITS</p> <p>DRAINAGE PITS TO BE CAST IN-SITU CONCRETE PITS AS DETAILED OR APPROVED PRECAST CONCRETE COMPLYING WITH THE RELEVANT AUSTRALIAN STANDARDS. ALL PITS DEEPER THAN 1.0m ARE TO BE PROVIDED WITH APPROVED STEP IRONS AT 300 MAX. CENTRES.</p>	<p>DOWNPIPES</p> <p>REFER TO ARCHITECTURAL DRAWINGS FOR DOWNPIPE DETAILS AND LOCATIONS. ALL IN GROUND DOWNPIPE CONNECTIONS ARE TO BE 150Ø UPVC UNLESS SHOWN OTHERWISE. DOWNPIPE CONNECTIONS TO THE MAIN STORMWATER DRAINAGE SHALL BE VIA A 45° OBLIQUE JUNCTION OR BANDAGE JOINT AS DETAILED OR DIRECT TO A STORMWATER PIT. SUSPENDED DOWNPIPE CONNECTIONS WITHIN THE BUILDING ARE TO BE SUPPORTED WITH APPROVED HANGERS AT 1.2m CENTRES. THE ALIGNMENT OF SUSPENDED DRAINS IS SCHEMATIC ONLY. THE FINAL ALIGNMENT IS TO COMPLY WITH THE ARCHITECTURAL PLANS.</p> <p>SUB-SOIL</p> <p>100mm DIA. UPVC AG DRAINS WITH 20mm N.S SCREENINGS BACKFILL SHALL BE INSTALLED BEHIND ALL KERBING UNLESS OTHERWISE NOTED AT MIN. GRADE OF 1:250 UNLESS OTHERWISE NOTED.</p> <p>6. TRAFFIC MANAGEMENT</p> <p>TRAFFIC MANAGEMENT SHALL BE ARRANGED BY THE CONTRACTOR FOR THE DURATION OF THE WORKS IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742.3-2002 FOR CONSTRUCTION TRAFFIC MANAGEMENT AND TO THE SATISFACTION OF ALL PARTIES, INCLUDING THE PROVISION OF ALL NECESSARY SIGNAGE, LIGHTING AND BARRICADING. TRAFFIC FLOWS IN ALL ABUTTING ROADWAYS AND ACCESS TO THE SITE SHALL REMAIN UNIMPEDED FOR THE DURATION OF THE CONTRACT. A TRAFFIC MANAGEMENT PLAN FOR ANY EXTERNAL ROADWORKS SHALL BE SUBMITTED TO COUNCIL AND OR RESPONSIBLE AUTHORITIES FOR APPROVAL A MINIMUM OF TWO WEEKS PRIOR TO COMMENCEMENT OF WORKS.</p> <p>7. LINEMARKING EXISTING</p> <p>ALL REDUNDANT LINEMARKING SHALL BE PERMANENTLY REMOVED BY APPLICATION OF A SPRAY SEAL OR BY GRINDING.</p> <p>GENERAL</p> <p>LINEMARKING AND R.R.P.M'S ARE TO BE INSTALLED IN ACCORDANCE WITH THESE PLANS AND TO VICROADS SPECIFICATIONS. ALL PARKING BAYS TO BE FULLY LINEMARKED TO VICROADS STANDARDS AND SPECIFICATION. WIDTH OF CAR PARKING BAYS TO BE 2.60m WIDE EXCEPT FOR THE DISABLED PARKING BAYS WHERE THE WIDTH TO BE INCREASED TO 3.2 m WIDE UNLESS OTHERWISE NOTED.</p> <p>INTERNAL WORKS</p> <p>ALL LINEMARKING TO BE APPROVED LONG LIFE ROAD MARKING PAINT UNLESS OTHERWISE NOTED.</p> <p>EXTERNAL WORKS</p> <p>PARKING BAYS TO BE APPROVED LONG LIFE ROAD MARKING PAINT. LATERAL WORKS, PAVEMENT MARKINGS, ARROWS ETC. ARE TO BE COLD APPLIED PLASTIC TROWELLED INTO PLACE (DEGADUR, PLASTELINE OR EQUIVALENT). LONGITUDINAL LINENWORK TO BE EXTRUDED THERMAL PLASTIC MARKINGS.</p> <p>8. SIGNAGE GENERAL</p> <p>ALL REGULATORY AND HAZARD DIRECTIONAL SIGNS TO BE INSTALLED IN CLASS 1 REFLECTIVE MATERIAL AND ALL WARNING SIGNS TO BE INSTALLED IN CLASS 2 REFLECTIVE MATERIAL TO APPROVED AUSTRALIAN STANDARDS. FOR TEMPORARY SIGNAGE DURING CONSTRUCTION WORKS, REFER TO VICROADS ROADWORKS SIGNAGE CODE. REFER TO ARCHITECTURAL AND TRAFFIC PANS FOR LINEMARKING AND SIGNAGE.</p> <p>EXISTING</p> <p>WHERE NECESSARY, EXISTING TRAFFIC CONTROL SIGNS SHALL BE RELOCATED CLEAR OF PROPOSED WORKS. REDUNDANT SIGNS SHALL BE TAKEN UP AND REMOVED.</p> <p>EXTENT</p> <p>NEW TRAFFIC CONTROL SIGNS SHALL BE INSTALLED IN ACCORDANCE WITH THE ARCHITECTURAL AND TRAFFIC PLANS AND DRAWINGS AND THE RELEVANT SPECIFICATION.</p> <p>9. SERVICES EXISTING</p> <p>ALL STATUTORY AUTHORITY SERVICES MUST BE MAINTAINED AND PROTECTED BY THE CONTRACTOR AT ALL TIMES UNLESS OTHERWISE SHOWN. EXISTING SERVICE LOCATIONS SHOWN HAVE BEEN OBTAINED FROM STATUTORY AUTHORITY RECORDS AND/OR SITE PLANS WHERE AVAILABLE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN AND ALL SERVICES SHOULD BE PROVEN ON SITE PRIOR TO THE COMMENCEMENT OF WORKS IN THEIR VICINITY.</p> <p>CONTACTS</p> <table border="1"> <tr> <td>UTILITY</td> <td>OFFICE No.</td> </tr> <tr> <td>POWER</td> <td>1300 301 101</td> </tr> <tr> <td>TELSTRA</td> <td>1800 653 935</td> </tr> <tr> <td>GAS</td> <td>9463 8235</td> </tr> <tr> <td>WATER</td> <td>9313 8379</td> </tr> <tr> <td>COUNCIL</td> <td>9249 4000</td> </tr> </table> <p>ADJUSTMENTS</p> <p>ALL EXISTING PITS AND SERVICE FITTINGS THAT ARE TO REMAIN WITHIN THE PAVEMENT AREAS SHALL BE REBUILT TO MATCH PROPOSED LEVELS AND WHERE APPLICABLE FITTED WITH AN APPROPRIATE HEAVY DUTY, AUTHORITY APPROVED, COVER. ELSEWHERE EXISTING SERVICES SHALL BE ADJUSTED TO SUIT NEW ADJACENT LEVELS. THE RELEVANT AUTHORITY IS TO BE NOTIFIED PRIOR TO ANY WORKS ON THEIR ASSETS AND SERVICES ARE TO BE ADJUSTED BY OR TO THE RELEVANT AUTHORITY REQUIREMENTS</p> <p>PROPOSED SERVICES</p> <p>REFER TO SEPARATE SERVICE DRAWINGS FOR PROPOSED LOCATION OF ELECTRICAL, SEWER, WATER, GAS & TELECOMMUNICATIONS SERVICES. SERVICE TRENCHES LOCATED UNDER PROPOSED PAVEMENTS INCLUDING VEHICLE CROSSINGS AND FOOTPATHS SHALL BE BACKFILLED WITH COMPACTED CLASS 2 FCR. (TRENCHES WHICH ENCROACH WITHIN 150mm OF THE EDGE OF PAVEMENT SHALL ALSO BE BACKFILLED WITH APPROVED FCR MATERIAL).</p>	UTILITY	OFFICE No.	POWER	1300 301 101	TELSTRA	1800 653 935	GAS	9463 8235	WATER	9313 8379	COUNCIL	9249 4000	<p>10. INSPECTIONS GENERAL</p> <p>ALL WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH THE APPROVED CONSTRUCTION PROGRAMME TO THE SATISFACTION OF THE SUPERVISING ENGINEER AND SUBJECT TO PERIODICAL INSPECTION AND WRITTEN STAGED APPROVAL. ADDITIONAL INSPECTIONS CAN BE REQUESTED AT 24 HOURS NOTICE. ALL WORKS IN ROAD RESERVATIONS SHALL REQUIRE WRITTEN APPROVAL OF THE COUNCIL'S SUPERINTENDENT AND ARE SUBJECT TO SEPARATE INSPECTIONS. SEVEN DAYS NOTICE TO BE GIVEN OF WORK COMMENCING. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY ROAD OPENING PERMITS AND AUTHORITY APPROVALS PRIOR TO COMMENCING WORKS.</p> <p>EXTERNAL</p> <p>ALL EXISTING PAVEMENT ADJACENT TO PROPOSED KERB OR PROPOSED JOINTS SHALL BE SAWCUT IN A NEAT LINE TO THE SATISFACTION OF THE SUPERVISING ENGINEER, AND TO HAVE 300mm OVERLAP.</p> <p>11. PAVEMENTS SAWCUTTING</p> <p>ALL TRENCHING WORKS IN EXISTING PAVEMENTS SHALL HAVE SAWCUT EDGES AND NEW PAVEMENT REINSTATED TO NEATLY MATCH EXISTING LEVELS.</p> <p>TRENCHING</p> <p>EXISTING PAVEMENT AREAS THAT REMAIN, WHERE CRACKING IS EVIDENT SHALL BE SEALED WITH A PROPRIETARY BITUMINOUS PRODUCT TO THE MANUFACTURERS' SPECIFICATIONS.</p> <p>REMAINING</p> <p>SAWCUT OR TOOLED CONSTRUCTION JOINTS SHALL BE PROVIDED AT MAX. 2.0m CENTRES TO ALL FOOTPATHS OR PEDESTRIAN PAVING UNLESS NOTED OTHERWISE. A 19mm EXPANSION JOINT SHALL BE PROVIDED WHENEVER RIGID PAVEMENTS ABUT FIXED STRUCTURES OR AT MAX. 15m CENTRES TO FOOTPATHS.</p> <p>CONCRETE JOINTING</p> <p>DOWELLED SAWCUT AND CONSTRUCTION JOINTS SHALL BE PROVIDED TO ALL VEHICULAR PAVEMENTS AS DETAILED ON THE DRAWINGS, TYPICALLY NOT GREATER THAN 6.0m CENTRES AND JOINT SPACING SHALL ENSURE SLAB LENGTH (L) ≤1.5 SLAB WIDTH.</p> <p>PAVEMENT TESTING</p> <p>EACH ROAD PAVEMENT LAYER SHALL BE TEST FOR COMPACTION BY A NATA REGISTERED GEOTECHNICAL ENGINEER IN ACCORDANCE WITH AS1289 AND SHALL MEET THE FOLLOWING STANDARDS:</p> <table border="1"> <tr> <td>ASPHALT LAYERS</td> <td>UP TO 50mm THICKNESS - 94% CHARACTERISTIC VALUE OF DENSITY RATIO</td> </tr> <tr> <td>BASE LAYER</td> <td>GREATER THAN 50mm THICKNESS - 96% CHARACTERISTIC DENSITY RATIO</td> </tr> <tr> <td>SUB BASE LAYER</td> <td>98% MODIFIED DRY DENSITY</td> </tr> <tr> <td>LAYER</td> <td>98% MODIFIED DRY DENSITY</td> </tr> <tr> <td>SUB GRADE</td> <td>98% STANDARD DRY DENSITY</td> </tr> </table> <p>12. KERBS PROPOSED</p> <p>WHERE REQUIRED MATCH ALL NEW KERBS TO EXISTING LEVEL NEATLY, ENSURING MINIMUM 1 IN 250 GRADE, SAW CUTTING AND REINSTATING PAVEMENT IN FRONT OF KERB TO FALL TO NEW KERB LEVEL.</p> <p>13. SPECIFICATIONS</p> <p>MUNICIPALITY SPECIFICATIONS SHALL BE USED AS THE GENERAL SPECIFICATION FOR ALL WORKS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN A COPY OF THE CURRENT SPECIFICATIONS, ALL RELEVANT STANDARD DRAWINGS AND ALL ASSOCIATED REVISIONS AND AMENDMENTS ETC.</p> <p>14. CONTRACT CONDITIONS GENERAL</p> <p>ALL WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH AS 4000-1997 GENERAL CONDITIONS OF CONTRACT.</p> <p>MAINTENANCE PERIOD</p> <p>A 12 MONTH MAINTENANCE PERIOD WILL APPLY TO THIS CONTRACT UNLESS NOTED OTHERWISE.</p>	ASPHALT LAYERS	UP TO 50mm THICKNESS - 94% CHARACTERISTIC VALUE OF DENSITY RATIO	BASE LAYER	GREATER THAN 50mm THICKNESS - 96% CHARACTERISTIC DENSITY RATIO	SUB BASE LAYER	98% MODIFIED DRY DENSITY	LAYER	98% MODIFIED DRY DENSITY	SUB GRADE	98% STANDARD DRY DENSITY
UTILITY	OFFICE No.																							
POWER	1300 301 101																							
TELSTRA	1800 653 935																							
GAS	9463 8235																							
WATER	9313 8379																							
COUNCIL	9249 4000																							
ASPHALT LAYERS	UP TO 50mm THICKNESS - 94% CHARACTERISTIC VALUE OF DENSITY RATIO																							
BASE LAYER	GREATER THAN 50mm THICKNESS - 96% CHARACTERISTIC DENSITY RATIO																							
SUB BASE LAYER	98% MODIFIED DRY DENSITY																							
LAYER	98% MODIFIED DRY DENSITY																							
SUB GRADE	98% STANDARD DRY DENSITY																							

MEANS SUCH AS PPE OR DWG VERSION ISSUED. INFRAMANAGEMENT PTY LTD WILL NOT BE LIABLE FOR ANY LOSS OR DAMAGE THAT MAY OCCUR TO YOU OR ANY OTHER PARTY AS A RESULT OF ACTING IN RELIANCE ON ANY INFORMATION OR DATA SUPPLIED OR TRANSMITTED OR OTHERWISE OBTAINED BY YOU OR ANY OTHER PARTY AS A RESULT OF ACTING IN RELIANCE ON ANY INFORMATION OR DATA SUPPLIED OR TRANSMITTED WITHOUT WRITTEN APPROVAL OF INFRAMANAGEMENT PTY LTD.

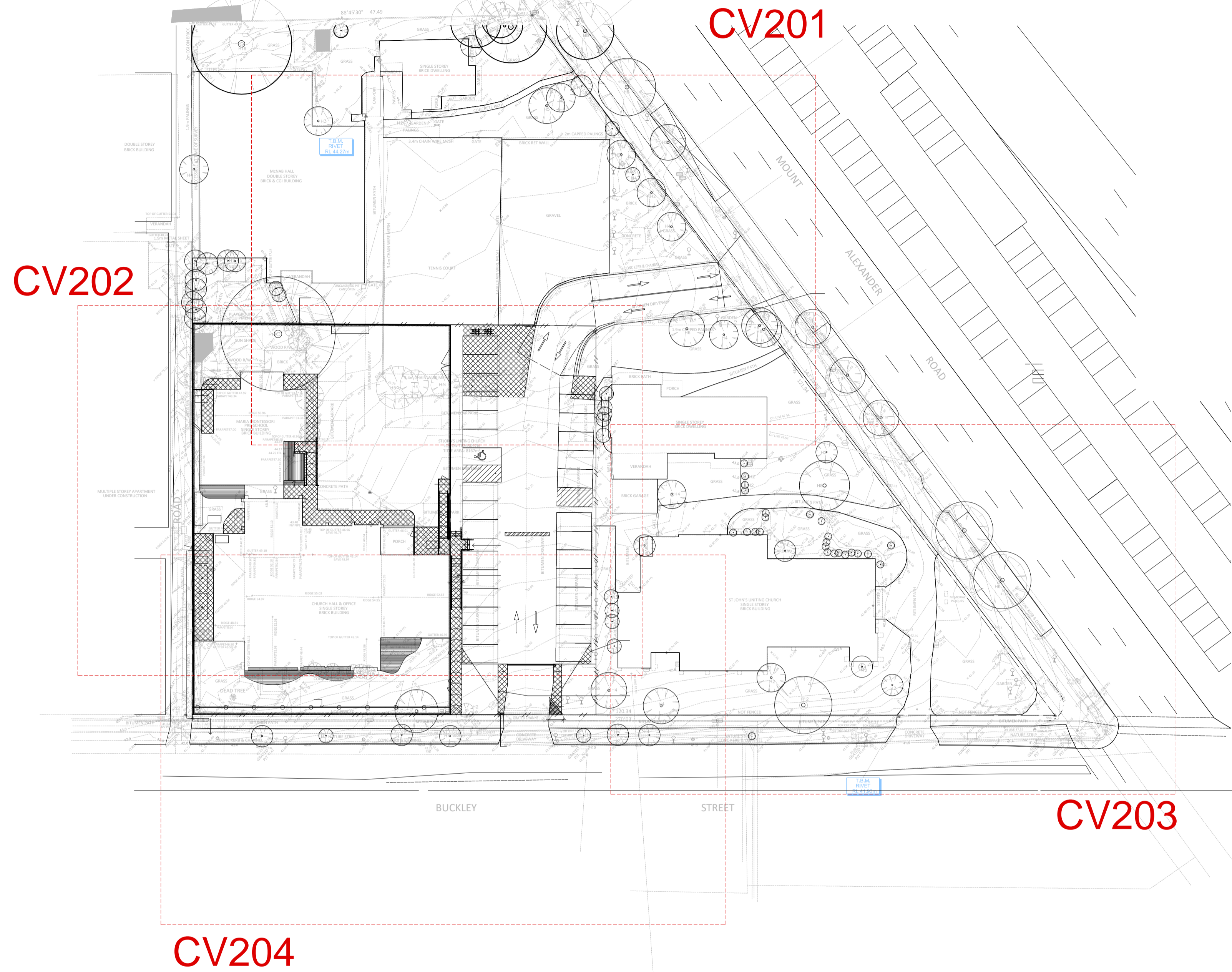
										APPROVALS COUNCIL, ROAD AND SERVICES AUTHORITY <small>These drawings are issued subject to the approval of responsible local, service authorities and the relevant building surveyor. The contractor must confirm such approval before commencement of works</small>		 NORTH		Client: DEVELOPER		PRELIMINARY ISSUE			
										Project Name: PROPOSED EXTENSION		Designed: B.R	Drawn: B.R						
										Location: 853 MT ALEXANDER ROAD, ESSENDON VIC 3040		Checked: STN	Apprv'd: STN						
												Date: APRIL 2024	Scale:						
										Title: GENERAL NOTES		Drawing Number: VN23043-C101	Revision: P5						
P5	12-05-24	PRELIMINARY ISSUE		V.C	S.T.N														
P4	09-05-24	PRELIMINARY ISSUE		V.C	S.T.N														
P3	25-04-24	PRELIMINARY ISSUE		B.R	S.T.N														
Issue	Date	Description	By	App'd	Issue	Date	Description	By	App'd										

UNDERGROUND SERVICES WARNING:

THE LOCATION OF UNDERGROUND SERVICES SHOWN OR OBTAINED BY REFERENCE OR OTHER MEANS ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN

LEVEL 19, REGUS COMO, 644 CHAPEL ST, SOUTH YARRA VIC3141
 P.O. BOX 1063 CRAIGIEBURN NORTH, VIC 3064
 Mob: +61-4-3131 3280 / Tel 03-8844 5565 Email: Stanley@infradesign.com.au

THIS DESIGN AND DRAWING IS COPYRIGHT. NO PART OF THIS DRAWING MAY BE REPRODUCED, STORED IN A RETRIEVAL SYSTEM OR TRANSMITTED WITHOUT WRITTEN APPROVAL OF INFRAMANAGEMENT PTY LTD



LEGEND

- × P100.20 FINISHED PAVEMENT LEVEL & CONTOUR
- IL 4.8.00 OR 225Ø EXISTING STORMWATER DRAIN, PIT AND PROPERTY INLET & DRAINAGE INVERT LEVEL
- PROPOSED DRAIN
- EXISTING SWALE DRAIN
- AG DRAIN
- DP DOWN PIPE LOCATION
- TANK CATCHMENT DP CONNECTION
- DOWN PIPE CONNECTION
- VALLEY / RIDGE
- EXISTING PIT
- 2 PROPOSED PIT & PIT NO. FLOW DIRECTION

PAVEMENT LEGEND

- LANDSCAPED AREA. REFER LANDSCAPE PLANS
- FOOTPATH. REFER DETAILS AND LANDSCAPE PLANS
- APSHALT. REFER DETAILS
- CROSSOVER IN ACCORDANCE TO COUNCIL STANDARDS
- HOUSE TANK FOR ROOF WATER

MEANS SUCH AS PDF OR DWG VERSION ISSUED. INFRAMANAGEMENT PTY LTD WILL NOT BE LIABLE FOR ANY LOSS OR DAMAGE THAT MAY OCCUR TO YOU OR ANY OTHER PARTY AS A RESULT OF ACTING IN RELIANCE ON ANY INFORMATION OR DATA SUPPLIED OR DATA REGISTERED AS SUCH AS IT IS NOT A LEGAL DOCUMENT. INFRAMANAGEMENT PTY LTD WILL NOT BE LIABLE FOR ANY LOSS OR DAMAGE THAT MAY OCCUR TO YOU OR ANY OTHER PARTY AS A RESULT OF ACTING IN RELIANCE ON ANY INFORMATION OR DATA SUPPLIED OR REGISTERED BY ELECTRONIC MEANS AND INFRAMANAGEMENT IS INDIVIDUALLY IDENTIFIED FROM ANY LIABILITY FOR ANY LOSS OR DAMAGE HOWEVER CAUSED.

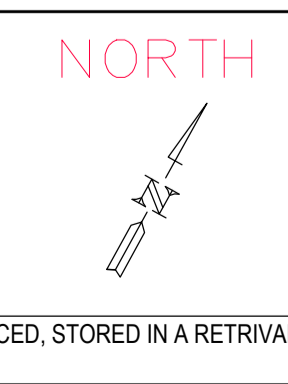
Issue	Date	Description	By	App'd	Issue	Date	Description	By	App'd
P5	12-05-24	PRELIMINARY ISSUE	V.C	S.T.N					
P4	09-05-24	PRELIMINARY ISSUE	V.C	S.T.N					
P3	25-04-24	PRELIMINARY ISSUE	B.R	S.T.N					

APPROVALS
COUNCIL, ROAD AND SERVICES AUTHORITY
 These drawings are issued subject to the approval of responsible local, service authorities and the relevant building surveyor. The contractor must confirm such approval before commencement of works.

UNDERGROUND SERVICES WARNING:
 THE LOCATION OF UNDERGROUND SERVICES SHOWN OR OBTAINED BY REFERENCE OR OTHER MEANS ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN

LEVEL 19, REGUS COMO, 644 CHAPEL ST, SOUTH YARRA VIC3141
 P.O. BOX 1063 CRAIGIEBURN NORTH, VIC 3064
 Mob: +61-4-3131 3280 / Tel 03-8844 5565 Email: Stanley@infradesign.com.au

THIS DESIGN AND DRAWING IS COPYRIGHT. NO PART OF THIS DRAWING MAY BE REPRODUCED, STORED IN A RETRIEVAL SYSTEM OR TRANSMITTED WITHOUT WRITTEN APPROVAL OF INFRAMANAGEMENT PTY LTD



Client:	DEVELOPER
Project Name:	PROPOSED EXTENSION
Location:	853 MT ALEXANDER ROAD, ESSENDON VIC 3040
Title:	GENERAL NOTES

PRELIMINARY ISSUE			
Designed:	B.R	Drawn:	B.R
Checked:	STN	Apprv'd:	STN
Date:	APRIL 2024	Scale:	AS SHOWN
Drawing Number:	VN23043-C101	Revision:	P5

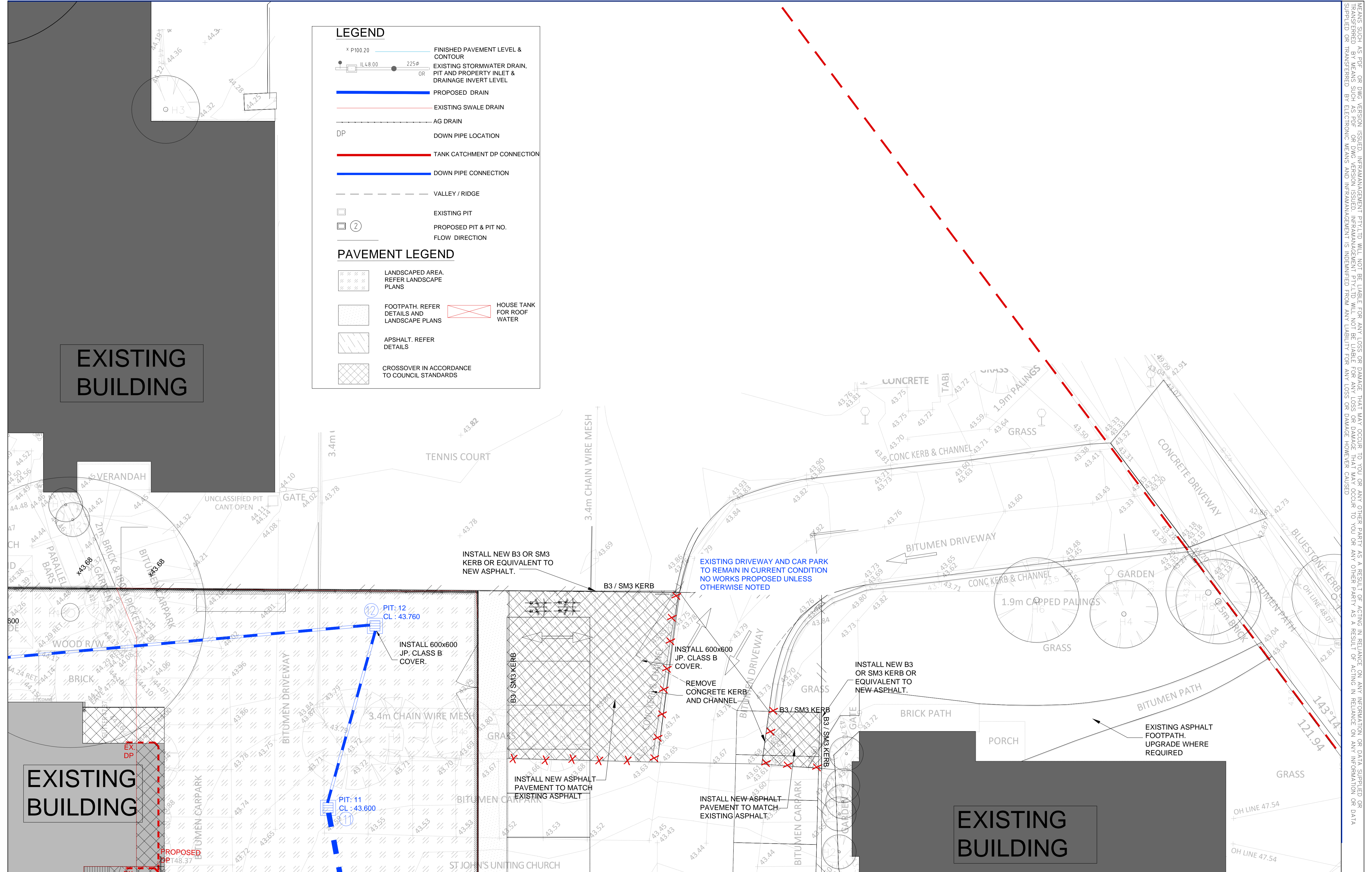
MEANS SUCH AS PDF OR DWG VERSION ISSUED. INFRADESIGN CONSULTING ENGINEERS PTY LTD WILL NOT BE LIABLE FOR ANY LOSS OR DAMAGE THAT MAY OCCUR TO YOU OR ANY OTHER PARTY AS A RESULT OF ACTING IN RELIANCE ON ANY INFORMATION OR DATA SUPPLIED OR DATA TRANSFERRED BY MEANS SUCH AS PDF OR DWG VERSION ISSUED. INFRADESIGN CONSULTING ENGINEERS PTY LTD WILL NOT BE LIABLE FOR ANY LOSS OR DAMAGE THAT MAY OCCUR TO YOU OR ANY OTHER PARTY AS A RESULT OF ACTING IN RELIANCE ON ANY INFORMATION OR DATA SUPPLIED OR TRANSFERRED BY ELECTRONIC MEANS AND INFRADESIGN CONSULTING ENGINEERS PTY LTD WILL NOT BE LIABLE FOR ANY LOSS OR DAMAGE HOWEVER CAUSED.

LEGEND

- x P100.20 FINISHED PAVEMENT LEVEL & CONTOUR
- IL 4.8.00 OR 225φ EXISTING STORMWATER DRAIN, PIT AND PROPERTY INLET & DRAINAGE INVERT LEVEL
- PROPOSED DRAIN
- EXISTING SWALE DRAIN
- AG DRAIN
- DP DOWN PIPE LOCATION
- TANK CATCHMENT DP CONNECTION
- DOWN PIPE CONNECTION
- VALLEY / RIDGE
- EXISTING PIT
- PROPOSED PIT & PIT NO.
- FLOW DIRECTION

PAVEMENT LEGEND

- LANDSCAPED AREA. REFER LANDSCAPE PLANS
- FOOTPATH. REFER DETAILS AND LANDSCAPE PLANS
- APSHALT. REFER DETAILS
- CROSSOVER IN ACCORDANCE TO COUNCIL STANDARDS
- HOUSE TANK FOR ROOF WATER



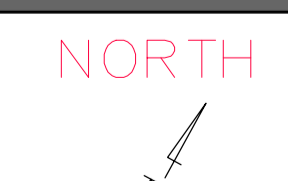
EXISTING BUILDING

EXISTING BUILDING

EXISTING BUILDING

APPROVALS
COUNCIL, ROAD AND SERVICES AUTHORITY
 These drawings are issued subject to the approval of responsible local, service authorities and the relevant building surveyor. The contractor must confirm such approval before commencement of works

INFRADESIGN CONSULTING ENGINEERS



Client:	DEVELOPER
Project Name:	PROPOSED EXTENSION
Location:	853 MT ALEXANDER ROAD, ESSENDON VIC 3040
Title:	DRAINAGE LAYOUT

PRELIMINARY ISSUE			
Designed:	B.R	Drawn:	B.R
Checked:	STN	Apprv'd:	STN
DWG File:		Date:	APRIL 2024
Date:	APRIL 2024	Scale:	AS SHOWN
Drawing Number:	VN23043-CV201	Revision:	P5

Issue	Date	Description	By	App'd	Issue	Date	Description	By	App'd
P5	12-05-24	PRELIMINARY ISSUE	V.C	S.T.N					
P4	09-05-24	PRELIMINARY ISSUE	V.C	S.T.N					
P3	25-04-24	PRELIMINARY ISSUE	B.R	S.T.N					

UNDERGROUND SERVICES WARNING:
 THE LOCATION OF UNDERGROUND SERVICES SHOWN OR OBTAINED BY REFERENCE OR OTHER MEANS ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN

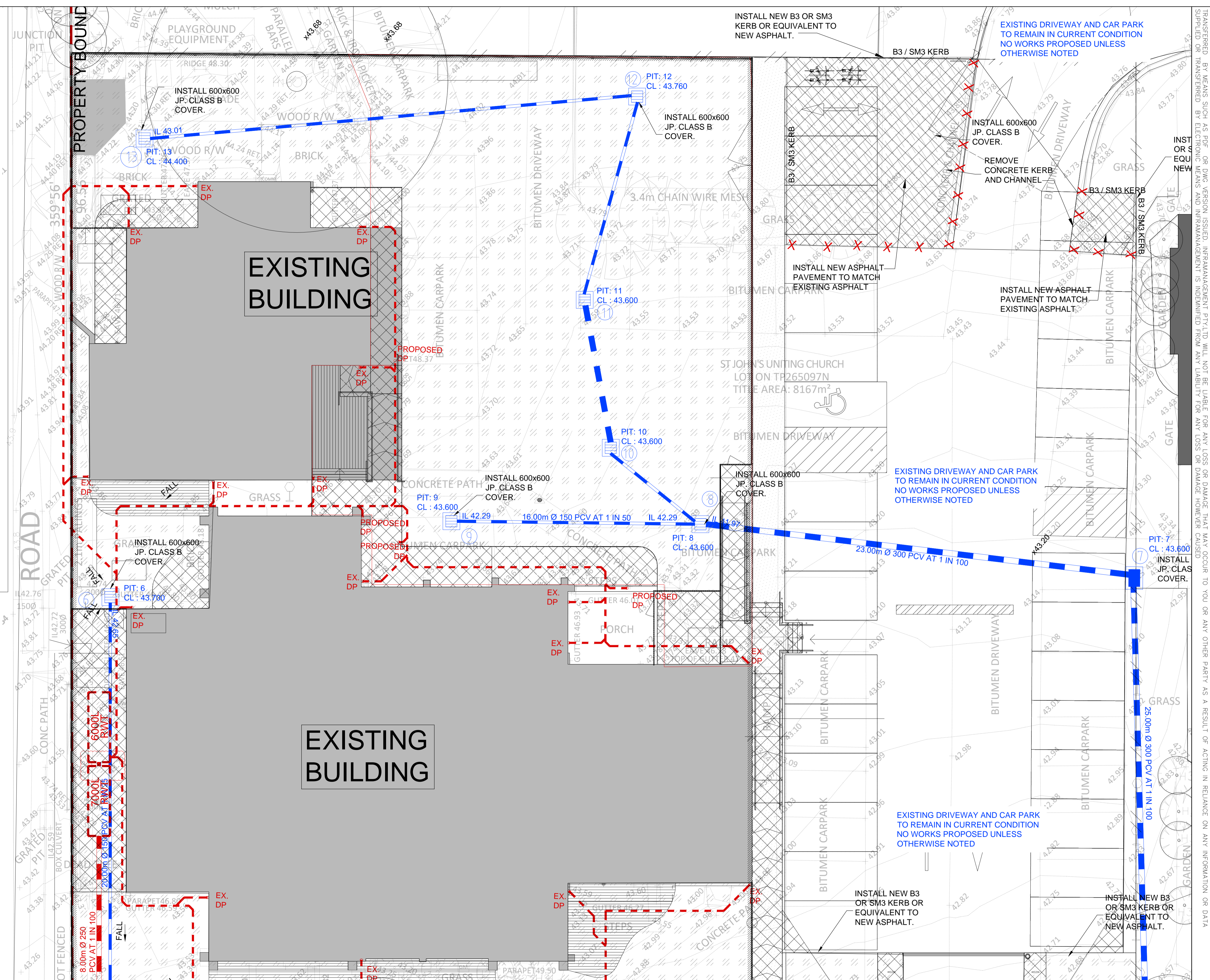
LEVEL 19, REGUS COMO, 644 CHAPEL ST, SOUTH YARRA VIC3141
 P.O. BOX 1063 CRAIGIEBURN NORTH, VIC 3064
 Mob: +61-4-3131 3280 / Tel 03-8844 5565 Email: Stanley@infradesign.com.au
 THIS DESIGN AND DRAWING IS COPYRIGHT. NO PART OF THIS DRAWING MAY BE REPRODUCED, STORED IN A RETRIEVAL SYSTEM OR TRANSMITTED WITHOUT WRITTEN APPROVAL OF INFRADESIGN CONSULTING ENGINEERS PTY LTD

LEGEND

- FINISHED PAVEMENT LEVEL & CONTOUR
- EXISTING STORMWATER DRAIN, PIT AND PROPERTY INLET & DRAINAGE INVERT LEVEL
- PROPOSED DRAIN
- EXISTING SWALE DRAIN
- AG DRAIN
- DOWN PIPE LOCATION
- TANK CATCHMENT DP CONNECTION
- DOWN PIPE CONNECTION
- VALLEY / RIDGE
- EXISTING PIT
- PROPOSED PIT & PIT NO.
- FLOW DIRECTION

PAVEMENT LEGEND

- LANDSCAPED AREA REFER LANDSCAPE PLANS
- FOOTPATH. REFER DETAILS AND LANDSCAPE PLANS
- APSHALT. REFER DETAILS
- CROSSOVER IN ACCORDANCE TO COUNCIL STANDARDS
- HOUSE TANK FOR ROOF WATER



MEANS SUCH AS PDF OR DWG VERSION ISSUED. INFRADESIGN PTY LTD WILL NOT BE LIABLE FOR ANY LOSS OR DAMAGE THAT MAY OCCUR TO YOU OR ANY OTHER PARTY AS A RESULT OF ACTING IN RELIANCE ON ANY INFORMATION OR DATA SUPPLIED OR OBTAINED FROM SUCH AS ELECTRONIC MEANS AND INFRADESIGN IS INDISTINGUISHABLE FROM ANY CLAIM FOR ANY LOSS OR DAMAGE HOWEVER CAUSED.

Issue	Date	Description	By	App'd	Issue	Date	Description	By	App'd
P5	12-05-24	PRELIMINARY ISSUE	V.C	S.T.N					
P4	09-05-24	PRELIMINARY ISSUE	V.C	S.T.N					
P3	25-04-24	PRELIMINARY ISSUE	B.R	S.T.N					

APPROVALS
COUNCIL, ROAD AND SERVICES AUTHORITY
 These drawings are issued subject to the approval of responsible local, service authorities and the relevant building surveyor. The contractor must confirm such approval before commencement of works.

UNDERGROUND SERVICES WARNING:
 THE LOCATION OF UNDERGROUND SERVICES SHOWN OR OBTAINED BY REFERENCE OR OTHER MEANS ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.

INFRADESIGN
 CONSULTING ENGINEERS

NORTH

LEVEL 19, REGUS COMO, 644 CHAPEL ST, SOUTH YARRA VIC3141
 P.O. BOX 1063 CRAIGIEBURN NORTH, VIC 3064
 Mob: +61-4-3131 3280 / Tel 03-8844 5565 Email: Stanley@infradesign.com.au

THIS DESIGN AND DRAWING IS COPYRIGHT. NO PART OF THIS DRAWING MAY BE REPRODUCED, STORED IN A RETRIEVAL SYSTEM OR TRANSMITTED WITHOUT WRITTEN APPROVAL OF INFRADESIGN PTY LTD

Client:	DEVELOPER	PRELIMINARY ISSUE	
Project Name:	PROPOSED EXTENSION	Designed:	B.R
Location:	853 MT ALEXANDER ROAD, ESSENDON VIC 3040	Checked:	STN
Title:	DRAINAGE LAYOUT	Drawn:	B.R
		Appr'd:	STN
		Date:	APRIL 2024
		Scale:	AS SHOWN
		Drawing Number:	VN23043-CV202
		Revision:	P5

EXISTING BUILDING

PROPERTY BOUNDARY

EXISTING DRIVEWAY AND CAR PARK TO REMAIN IN CURRENT CONDITION NO WORKS PROPOSED UNLESS OTHERWISE NOTED

INSTALL NEW B3 OR S1M3 KERB OR EQUIVALENT TO NEW ASPHALT.

INSTALL NEW B3 OR S1M3 KERB OR EQUIVALENT TO NEW ASPHALT.

INSTALL 900x900 GP, CLASS B COVER.

INSTALL 300x300 DEEP TRENCH GRATE AND CONNECT TO DRAINAGE PIT.

INSTALL NEW CROSSOVER/MAKE GOOD EXISTING CROSSOVER IN ACCORDANCE WITH MUNICIPALITY STANDARDS

LEGEND

- FINISHED PAVEMENT LEVEL & CONTOUR
- EXISTING STORMWATER DRAIN, PIT AND PROPERTY INLET & DRAINAGE INVERT LEVEL
- PROPOSED DRAIN
- EXISTING SWALE DRAIN
- AG DRAIN
- DOWN PIPE LOCATION
- TANK CATCHMENT DP CONNECTION
- DOWN PIPE CONNECTION
- VALLEY / RIDGE
- EXISTING PIT
- PROPOSED PIT & PIT NO. FLOW DIRECTION

PAVEMENT LEGEND

- LANDSCAPED AREA. REFER LANDSCAPE PLANS
- FOOTPATH. REFER DETAILS AND LANDSCAPE PLANS
- ASPHALT. REFER DETAILS
- CROSSOVER IN ACCORDANCE TO COUNCIL STANDARDS
- HOUSE TANK FOR ROOF WATER

APPROVALS
COUNCIL, ROAD AND SERVICES AUTHORITY
These drawings are issued subject to the approval of responsible local, service authorities and the relevant building surveyor. The contractor must confirm such approval before commencement of works

UNDERGROUND SERVICES WARNING:
THE LOCATION OF UNDERGROUND SERVICES SHOWN OR OBTAINED BY REFERENCE OR OTHER MEANS ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN

INFRADESIGN
CONSULTING ENGINEERS

LEVEL 19, REGUS COMO, 644 CHAPEL ST, SOUTH YARRA VIC3141
P.O. BOX 1063 CRAIGIEBURN NORTH, VIC 3064
Mob: +61-4-3131 3280 / Tel 03-8844 5565 Email: Stanley@infradesign.com.au
THIS DESIGN AND DRAWING IS COPYRIGHT. NO PART OF THIS DRAWING MAY BE REPRODUCED, STORED IN A RETRIEVAL SYSTEM OR TRANSMITTED WITHOUT WRITTEN APPROVAL OF INFRAMANAGEMENT PTY LTD

NORTH

Client: DEVELOPER
Project Name: PROPOSED EXTENSION
Location: 853 MT ALEXANDER ROAD, ESSENDON VIC 3040
Title: DRAINAGE LAYOUT

PRELIMINARY ISSUE

Designed:	B.R	Drawn:	B.R
Checked:	STN	Apprv'd:	STN
Date:	APRIL 2024	Scale:	AS SHOWN
Drawing Number:	VN23043-CV204	Revision:	P5

Issue	Date	Description	By	App'd	Issue	Date	Description	By	App'd
P5	12-05-24	PRELIMINARY ISSUE	V.C	S.T.N					
P4	09-05-24	PRELIMINARY ISSUE	V.C	S.T.N					
P3	25-04-24	PRELIMINARY ISSUE	B.R	S.T.N					

MEANS SUCH AS P100.20 OR DWG VERSION ISSUED. INFRAMANAGEMENT PTY LTD WILL NOT BE LIABLE FOR ANY LOSS OR DAMAGE THAT MAY OCCUR TO YOU OR ANY OTHER PARTY AS A RESULT OF ACTING IN RELIANCE ON ANY INFORMATION OR DATA SUPPLIED OR DATA MANAGED OR MANAGED BY SUCH AS DWG VERSION ISSUED. INFRAMANAGEMENT PTY LTD WILL NOT BE LIABLE FOR ANY LOSS OR DAMAGE THAT MAY OCCUR TO YOU OR ANY OTHER PARTY AS A RESULT OF ACTING IN RELIANCE ON ANY INFORMATION OR DATA SUPPLIED OR MANAGED BY ELECTRONIC MEANS AND INFRAMANAGEMENT IS INDIVIDUAL FROM ANY LIABILITY FOR ANY LOSS OR DAMAGE FROMER CAUSED

