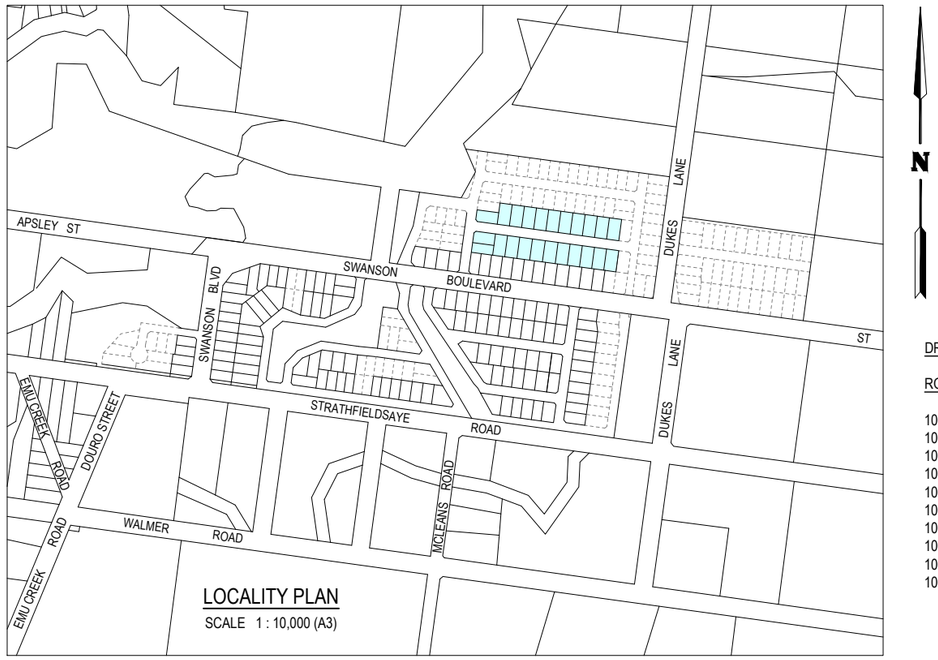
"IMAGINE" ESTATE - STAGE 6
ROAD & DRAINAGE PLANS

JUMBUCK LANE - STRATHFIELDSAYE



LOCALITY PLAN
SCALE 1 : 10,000 (A3)

LEGEND

- NS 101.95 EXIST/NATURAL SURFACE LEVEL
- FS 101.95 FINISHED SURFACE LEVEL
- TK 101.95 BACK OF PROPOSED KERB
- P 101.95 PROP PAVEMENT FOOTPATH LEVEL
- EXISTING SHRUBS / TREES
- PROPOSED STREET TREE
- SHRUBS / TREES TO BE REMOVED
- PROPOSED HOUSE DRAIN
- SIGN
- TELSTRA PILLA
- TELSTRA PITS
- ELECTRICITY LIGHT & POLE
- PROPOSED KERB & CHANNEL
- EXISTING KERB & CHANNEL
- PROPOSED DRAIN / PIT / I.S.
- EX D — EXISTING DRAIN / PIT
- D — FUTURE DRAIN / PIT
- FENCE LINE
- INVERT (DESIGN \ EXISTING)
- EDGE OF SEAL / EDGE OF BITUMEN (DESIGN \ EXISTING)
- TOP OF BANK (DESIGN \ EXISTING)
- BOTTOM OF BANK
- LIMIT OF WORK
- FALL FALL — DIRECTION OF GRADING
- PERMANENT SURVEY MARK
- SURVEY STATION
- PROPOSED TITLE BOUNDARY & SITE TITLE BOUNDARY
- PROPOSED FUTURE TITLE BOUNDARY
- PROPOSED ADJACENT OR PREVIOUS STAGE TITLE BOUNDARY
- PROPOSED OR EXISTING EASEMENT
- HOUSE
- E&T — PROPOSED ELEC / TELSTRA CONDUIT & PIT
- G&W — PROPOSED GAS & WATER CONDUIT
- S — PROPOSED SEWER AND MANHOLE
- PS — PROPOSED SEWER RISING MAIN
- EX S — EXISTING SEWER & MANHOLE
- FS — PROPOSED FUTURE SEWER
- W — PROPOSED WATER MAIN
- EX W — EXISTING WATER MAIN, FIRE PLUG AND STOP VALVE
- FW — PROPOSED FUTURE WATER
- E — PROPOSED ELECTRICITY MAIN
- EX E — EXISTING ELECTRICITY MAIN & PIT
- FE — PROPOSED FUTURE ELECTRICITY
- G — PROPOSED GAS MAIN
- EX G — EXISTING GAS MAIN
- FG — PROPOSED FUTURE GAS
- T — PROPOSED TELECOMMUNICATIONS MAIN
- EX T — EXISTING TELECOMMUNICATIONS CABLE
- FT — PROPOSED FUTURE TELECOMMUNICATIONS
- CATCH — PROPOSED CATCH DRAIN
- D AG — PROPOSED AG DRAIN
- PROPOSED AREA OF NEW ASPHALT OR TWO COAT PAVEMENT
- PROPOSED AREA OF CONCRETE
- PROPOSED AREA OF ALTERNATE PAVEMENT
- PROPOSED KERB
- PROPOSED AREA OF NATURESTRIP \ LANDSCAPING
- PROPOSED AREA OF EARTHWORKS
- 10.00 — DIMENSION (IN METRES UNLESS STATED OTHERWISE)
- LEADER / ARROW

DIAL BEFORE YOU DIG www.1100.com.au

REFER TO ELECTRICAL AND TELSTRA PLANS FOR SERVICE AND CONDUIT DETAILS

WARNING

BEWARE OF UNDERGROUND SERVICES

The locations of underground services are approximate only and their exact position should be proven on site. No guarantee is given that all existing services are shown.

DRAWING LIST

ROAD & DRAINAGE CONSTRUCTION PLANS

1065306R01	LOCALITY PLAN & GENERAL NOTES
1065306R02	OVERALL DEVELOPMENT PLAN
1065306R03-R04	STAGE 1 1:500 LAYOUT PLANS (2 SHEETS)
1065306R05	INTERSECTION DETAIL PLAN & TYPICAL DETAILS
1065306R06	CUT & FILL PLAN
1065306R07-R08	TERRAPEE STREET LONG SECTIONS (2 SHEETS)
1065306R09-R15	TERRAPEE STREET CROSS SECTIONS (7 SHEETS)
1065306R16	JUMBUCK LANE LONG SECTION
1065306R17-R18	JUMBUCK LANE CROSS SECTIONS (2 SHEETS)
1065306R19-R26	DRAINAGE LONG SECTIONS & PIT SCHEDULE (8 SHEETS)

TABLE OF OFFSETS FOR SERVICES

STREET	GAS		WATER		ELECTRICITY				TELSTRA	
					POLE		U/G CABLE			
	OFFSET	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	SIDE
TERRAPEE STREET	1.9m	SOUTH	2.3m	SOUTH	-	-	2.4m	NORTH	1.9m	NORTH
JUMBUCK LANE	1.9m	EAST	2.3m	EAST	-	-	2.4m	WEST	1.9m	WEST
KARNDELI PROMENADE	1.9m	STH/EST	2.3m	STH/EST	-	-	1.2/5.2m	NTH/WST	0.7/4.7m	NTH/WST
TARRNOOK DRIVE	1.9m	NORTH	2.3m	NORTH	-	-	2.4m	SOUTH	1.9m	SOUTH
SWANSON BOULEVARD (WEST OF COOMOORA)	1.9/2.9m	STH/EST	2.3/3.3m	STH/EST	-	-	1.3/2.3m	STH/EST	0.9/1.9m	STH/EST
SWANSON BOULEVARD (COOMOORA "BLOCK")	5.9m	SOUTH	6.4m	SOUTH	-	-	4.9m	SOUTH	4.4m	SOUTH
SWANSON BOULEVARD (EAST OF YIRRILIL WAY)	0.9m	NORTH	1.3m	NORTH	-	-	1.3/3.5m	SOUTH	0.9/3.0m	SOUTH

GENERAL NOTES

PRIOR TO THE COMMENCEMENT OF WORKS

1. THE CONTRACTOR MUST NOTIFY THE RELEVANT AUTHORITY 7 DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION OF THE RELEVANT WORKS.
2. THE CONTRACTOR MUST OBTAIN AN ASSET PROTECTION PERMIT FROM THE MUNICIPALITY FOR ANY WORKS UNDERTAKEN WITHIN AN EXISTING ROAD RESERVE PRIOR TO THE COMMENCEMENT OF WORKS
3. 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.
4. 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.
5. THE CONTRACTOR MUST CONTACT DIAL BEFORE YOU DIG (CALL 1100), OR VISIT THE DIAL BEFORE YOU DIG WEBSITE PRIOR TO COMMENCING WORKS AND SATISFY THEMSELVES THAT THERE ARE NO SERVICES WITHIN THE VICINITY OF THE WORK AREA
6. NO WORK IS TO COMMENCE BEFORE THE CONTRACTOR HAS ASCERTAINED WHAT UNDERGROUND SERVICES ARE PRESENT
7. 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
8. IF THESE SAFETY PROCEDURES CANNOT BE COMPLIED WITH THEN NO WORK IS TO BE UNDERTAKEN WITHOUT PERMISSION FROM THE UTILITY COMPANY
9. 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 INCORPORATE 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
   d. ENVIRONMENTAL MANAGEMENT PLAN
   e. QUALITY ASSURANCE DETAILS (FOR QA CERTIFIED CONTRACTORS)
   f. CONSTRUCTION PROGRAM
10. THE CONTRACTOR MUST NOTIFY THE RELEVANT AUTHORITY 7 DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION OF THE RELEVANT WORKS.

CONSTRUCTION SETOUT

11. ALL LEVELS ARE TO A.H.D. AND ARE REFERENCED TO THE T.B.M. INDICATED
12. 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 BE MISSING.

SITE MANAGEMENT DURING CONSTRUCTION

13. THE CONSULTING ENGINEER IS RESPONSIBLE FOR THE DESIGN AND MANAGEMENT OF THE CONSTRUCTION WORKS. ANY PROBLEMS ARISING DURING CONSTRUCTION SHALL BE DIRECTED TO THE CONSULTANT.
14. ALL WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE INFRASTRUCTURE DESIGN MANUAL AND ANY OTHER RELEVANT AUTHORITY SPECIFICATIONS. A COPY OF THE INFRASTRUCTURE DESIGN MANUAL CAN BE FOUND AT www.designmanual.com.au IF YOU HAVE ANY ISSUES INTERPRETING THE MANUAL CONTACT THE CONSULTANT
15. ALL WORKS MUST ABIDE BY THE APPROVED CONSTRUCTION MANAGEMENT PLAN AND MUST COMPLY WITH THE RECOMMENDATIONS OF THE ENVIRONMENT PROTECTION AUTHORITY PUBLICATION "CONSTRUCTION TECHNIQUES FOR SEDIMENT POLLUTION CONTROL" (PUBLICATION NO 275). APPROPRIATE SILTATION CONTROL IS TO BE CARRIED OUT DURING THE CONSTRUCTION AND MAINTENANCE PERIOD.
16. THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF CLAUSE 202 THE MINE (TRENCHING) ACT 1982 AS AMENDED AND RELEVANT REGULATIONS INCLUDING NOTIFICATION TO THE SECRETARY OF MINERALS AND ENERGY OF HIS INTENTION TO COMMENCE EXCAVATION OPERATIONS WHERE ANY TRENCH OR PIT IS 1.5 METRES OR MORE IN DEPTH.
17. TWENTY-FOUR (24) HOURS NOTIFICATION TO INSPECTORS OF RELEVANT AUTHORITY IS REQUIRED PRIOR TO AN INSPECTION BEING CONDUCTED ON ANY PARTICULAR PORTION OF THE WORKS.
18. THE CONTRACTOR SHALL TAKE THE UTMOST CARE TO PRESERVE EXISTING TREES. NO TREES SHALL BE REMOVED WITHOUT THE PRIOR APPROVAL OF THE SUPERINTENDENT.
19. THE CONTRACTOR IS REQUIRED TO CONFINE CONSTRUCTION VEHICLES TO THE ROAD RESERVE AND EASEMENTS. ANY DAMAGE CAUSED TO THE ALLOTMENTS MUST BE MADE GOOD.
20. THE CONTRACTOR SHALL TO THE SATISFACTION OF THE CONSULTING ENGINEER AND COUNCIL'S SUPERVISING OFFICER PROVIDE AND MAINTAIN ALL NECESSARY WARNING SIGNAGE, LIGHTING AND BARRICADING TO COMPLY WITH THE REQUIREMENTS OF THE ROAD MANAGEMENT ACT
21. DISPOSAL OF EXCESS SPOIL TRUCK ROUTE AND DISPOSAL LOCATION ARE TO BE APPROVED BY THE MUNICIPAL ENGINEERING DEPARTMENT.
22. AT THE COMPLETION OF WORKS ALL RUBBISH, DEBRIS AND SURPLUS SPOIL IS TO BE REMOVED AND ALL LOTS AND ROAD RESERVE TO BE LEFT IN A TIDY CONDITION TO THE SATISFACTION OF THE SUPERINTENDENT & RELEVANT AUTHORITY.

PROTECTION OF VEGETATION

23. NO WORKS ARE TO BE UNDERTAKEN WITHIN THE DRIP ZONE (CANOPY) OF AN EXISTING TREE UNLESS APPROVED BY THE RESPONSIBLE AUTHORITY
24. MACHINERY IS NOT TO BE DRIVEN OVER OR PARKED WITHIN THE DRIP ZONE OF ANY TREE

EARTHWORKS

25. ALL EARTHWORKS ARE TO BE UNDERTAKEN IN ACCORDANCE WITH A3 3798 (1996)
26. ALL FILLING WITHIN AREAS OF PROPOSED ROAD PAVEMENT IS TO ACHIEVE A MINIMUM COMPACTION OF 98% STANDARD.
27. ALL FILLING WITHIN OTHER AREAS IS TO ACHIEVE A MINIMUM COMPACTION OF 95% STANDARD.
28. ANY FILLING IN EXCESS OF 300mm DEPTH IS TO BE CARRIED OUT UNDER LEVEL 1 SUPERVISION UNLESS DIRECTED OTHERWISE. FILL AREAS ARE TO BE STRIPPED OF TOPSOIL & FILLED USING APPROVED CLAY FILL. TOPSOIL IS TO BE REPLACED NO MORE THAN 150mm THICK TO OBTAIN FINAL FILL LEVELS AS SHOWN ON PLANS. ALL FILLING TO BE CARRIED OUT IN 150mm LAYERS AND COMPACTED AS DETAILED ABOVE IN ACCORDANCE WITH AS3798-1996 ("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 ITS CLASSIFICATION AS "CONTROLLED FILL". IF ANY SUBSTANDARD FILLING IS ENCOUNTERED ON THE SITE IT MUST BE REMOVED AND REPLACED WITH VERIFICATION PROVIDED TO THE SUPERVISING ENGINEER. A GEO-TECHNICAL REPORT MUST BE SUBMITTED SHOWING DETAILS OF DEPTH, TYPE OF MATERIAL AND DENSITY OF THE FILL AREAS CONCERNED
29. THE CONSULTING ENGINEER IS TO BE ADVISED OF ANY FILLING THAT ACHIEVES A DEPTH OF 300mm OR GREATER.
30. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL IMPORTED FILL MATERIAL, INCLUDING TOPSOIL, SATISFIES THE DESCRIPTION FOR CLEAN FILL MATERIAL IN EPA BULLETIN PUBLICATION NO. 448 (SEPT '95) AND SUBSEQUENT REVISIONS. THE CONTRACTOR SHALL PROVIDE VERIFICATION INCLUDING TEST CERTIFICATES TO THE SUPERVISING ENGINEER.
31. ALL TRENCHES ARE TO ACHIEVE THE SPECIFIED COMPACTION RESULTS WITHOUT EXCEPTION. THE CONSULTING ENGINEER RESERVES THE RIGHT TO REQUIRE COMPACTION TESTING BY A NATA APPROVED LABORATORY AT THE CONTRACTORS EXPENSE.
32. ALL EXCAVATIONS OF DEPTH 1.5m OR GREATER MUST COMPLY WITH LEGISLATION ENFORCED BY WORKSAFE VICTORIA. A "NOTICE OF INTENTION TO COMMENCE EXCAVATION" MUST BE SUBMITTED TO YOUR LOCAL WORKSAFE OFFICE.
33. ALL LOTS ARE TO ACHIEVE A MINIMUM CROSS FALL OF 1 IN 150 (0.67%) TO A LEGAL POINT OF DISCHARGE (DRAINAGE POINT OR ROAD RESERVE) UNLESS STATED OTHERWISE
34. RESERVES TO BE FREE DRAINING AND TO BE LEFT IN A CONDITION SATISFACTORY TO THE CONSULTING ENGINEER

ROAD WORKS AND FOOTPATHS

35. ALL KERB & CHANNEL IS MODIFIED SM2 (IDM SD 107) UNLESS STATED OTHERWISE
36. ALL ASPHALT ROAD SEALS ARE TO BE 7mm TYPE 'N' UNLESS STATED OTHERWISE
37. ALL KERB RADII ARE TO BACK OF KERB UNLESS STATED OTHERWISE
38. ALL FOOTPATHS ARE TO BE CONSTRUCTED AS PER INFRASTRUCTURE DESIGN MANUAL (IDM) 200 SERIES STANDARD DRAWINGS AND IN ACCORDANCE WITH COUNCIL STANDARDS UNLESS STATED OTHERWISE
39. TGSIs ARE TO BE INSTALLED ON ALL PEDESTRIAN CROSSINGS AS PER AS 1428.4
40. ALL NEW INTERSECTIONS ARE TO HAVE STREET SIGNS INSTALLED TO COUNCIL STANDARDS IRRESPECTIVE OF WHETHER THEY ARE DETAILED ON THE ENGINEERING PLANS OR NOT.
41. AT ALL TEMPORARY STAGE BOUNDARY TERMINATIONS TO ROADS THE CONTRACTOR IS TO INSTALL A D4-5 HAZARD SIGN
42. ALL CONCRETE IS TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 25MPa AT 28 DAYS AND MINIMUM CEMENT CONTENT OF 320 kg/m^3
43. TRANSITIONS BETWEEN DIFFERENT KERB TYPES TO BE OVER 3.0m MINIMUM, IF IT CANNOT BE ACHIEVED AT A PRAM CROSSING OR DRIVEWAY CROSSOVER
44. ROAD PAVEMENT COMPACTION & TESTING REQUIREMENTS ARE AS PER THE INFRASTRUCTURE DESIGN MANUAL

STORMWATER DRAINAGE AND SERVICE CONDUIT NOTES

45. ALL EASEMENT DRAINAGE PIPES ARE 1.0m OFFSET TITLE BOUNDARY UNLESS DIMENSIONED OTHERWISE
46. ALL EASEMENT DRAINAGE PITS ARE TO BE ARE 1.0m PAST TITLE BOUNDARY UNLESS DIMENSIONED OTHERWISE
47. ALL PROPERTY DRAINAGE CONNECTIONS FROM ROAD RESERVES ARE TO ENTER THE PROPERTY 1.0m O/S SIDE BOUNDARY ON THE LOW SIDE WITH 0.5m COVER UNLESS NOTED OTHERWISE.
48. ALL STORMWATER AND CONDUIT TRENCHES UNDER ROAD PAVEMENT AND/OR KERB AND CHANNEL AND/OR FOOTPATH SHALL BE BACKFILLED WITH CRUSHED ROCK AS SPECIFIED AND IN ACCORDANCE CITY OF GREATER BENDIGO S.D.19
49. REFER TO THE CERTIFIED PLAN OF SUBDIVISION FOR ALL EASEMENT WIDTHS, DO NOT SCALE FROM DRAWING.
50. STORMWATER DRAINS SHALL BE RCP FLUSH JOINTED CLASS 2 OR PVC CLASS SN8 UNLESS OTHERWISE SHOWN.
51. ALL RCP FLUSH JOINTED PIPES BELOW 600mm DIA ARE TO HAVE EXTERIOR MORTARED JOINTS. ALL PIPES 600 DIA AND GREATER ARE TO HAVE INTERIOR MORTAR JOINTS.
52. ALL PROPOSED DRAINAGE STUBS TO BE BLANKED OFF AT END OF PIPE WITH TIMBER PLANKS TO THE SATISFACTION OF THE SUPERVISING ENGINEER
53. ALL CONDUIT LOCATIONS ARE TO BE STAMPED IN THE CONCRETE KERBING.
54. ALL CONCRETE IS TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 25MPa AT 28 DAYS
55. ALL GRATES ARE TO BE HOT DIPPED GALVANISED
56. 100mm DEEP CATCH DRAINS TO BE CONSTRUCTED ALONG ALL EASEMENT DRAINAGE AND DIRECTED TO LEGAL POINT OF DISCHARGE
57. STEP IRONS ARE NOT TO BE INSTALLED IN ANY DRAINAGE PIT. ACCESS LIDS ARE TO BE LOCATED TO ENABLE REASONABLE ACCESS.
58. ALL HOUSE DRAIN CONNECTIONS TO REINFORCED CONCRETE PIPES ARE TO UTILISE "CONCONECT" OR COUNCIL APPROVED EQUIVALENT PRODUCTS TO AVOID PIPE PROTRUSIONS INTO THE LARGER PIPE
59. REFER ROAD LAYOUT PLANS FOR WATER & GAS ROAD SERVICE CONDUIT LOCATIONS. INTERSECTION DETAILS PLANS DO NOT SHOW CONDUITS.
60. ELECTRICITY & TELECOMMUNICATIONS CONDUITS SHOWN ON THESE PLANS ARE CONCEPTUAL ONLY. REFER TO ELECTRICITY & TELECOMMUNICATION PLANS FOR ACTUAL ROAD SERVICE CONDUIT LOCATIONS. IF THERE ARE ANY DISCREPANCIES BETWEEN THESE PLANS CONTACT TOMKINSON GROUP FOR CLARIFICATION.

CONSTRUCTION HOLD POINTS

61. CONSTRUCTION HOLD POINTS ARE TO BE IN ACCORDANCE WITH THE INFRASTRUCTURE DESIGN MANUAL

EMERGENCY CONTACTS

62. THE PROJECT AREA CONTAINS THE FOLLOWING SERVICES FOR ASSISTANCE IN EMERGENCY CONTACT.

SERVICE	AUTHORITY & CONTACT	TELEPHONE
DRAINAGE	CITY OF GREATER BENDIGO	5434 6000
ELECTRICITY	POWERCOR	132 412
GAS	SP AUSNET	136 707
COMMUNICATIONS	TELSTRA	132 203
SEWER & WATER	COLIBAN WATER	1300 363 200

63. IN ANY EMERGENCY IF YOU BELIEVE LIFE OR PROPERTY IS THREATENED DO NOT HESITATE TO CONTACT STATE EMERGENCY SERVICES ON TELEPHONE 000

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REV	REVISION	DES	DWG	CHK	DATE
A	AS SUBMITTED TO COUNCIL	NJB	NJB	RK	15/01/16

Tomkinson Group
PROJECT MANAGERS DEVELOPMENT PLANNERS
LICENSED SURVEYORS CIVIL ENGINEERS
FREECALL: 1800 810 170 TEL: (03) 5445 8700 FAX: (03) 5441 3648
PO BOX 421, BENDIGO 3552 57 MYERS STREET, BENDIGO 3550
WEB: www.tomkinson.com EMAIL: bendigo@tomkinson.com
ISO 9001:2008 FS520488

Principal STRATHFIELDSAYE HOLDINGS PTY LTD

SCALE: 1:10000
100 0 100 200 300 400 500
LENGTHS ARE IN METRES - PAPER SIZE A3

"IMAGINE" ESTATE - STAGE 6
JUMBUCK LANE - STRATHFIELDSAYE
LOCALITY PLAN & GENERAL NOTES

Municipality & Ref: CITY OF GREATER BENDIGO DS/834/2012 & DS/791/2012

SHT 1 of 26 REV A

Drawing No. 1065306R01

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Principal STRATHFIELDSAYE HOLDINGS PTY LTD

SCALE: 1:1000
10 0 10 20 30 40 50
LENGTHS ARE IN METRES - PAPER SIZE A3

"IMAGINE" ESTATE - STAGE 6

JUMBUCK LANE - STRATHFIELDSAYE

OVERALL DEVELOPMENT PLAN

Municipality & Ref: CITY OF GREATER BENDIGO
DS/834/2012 & DS/791/2012

SHT 2 of 26 REV A

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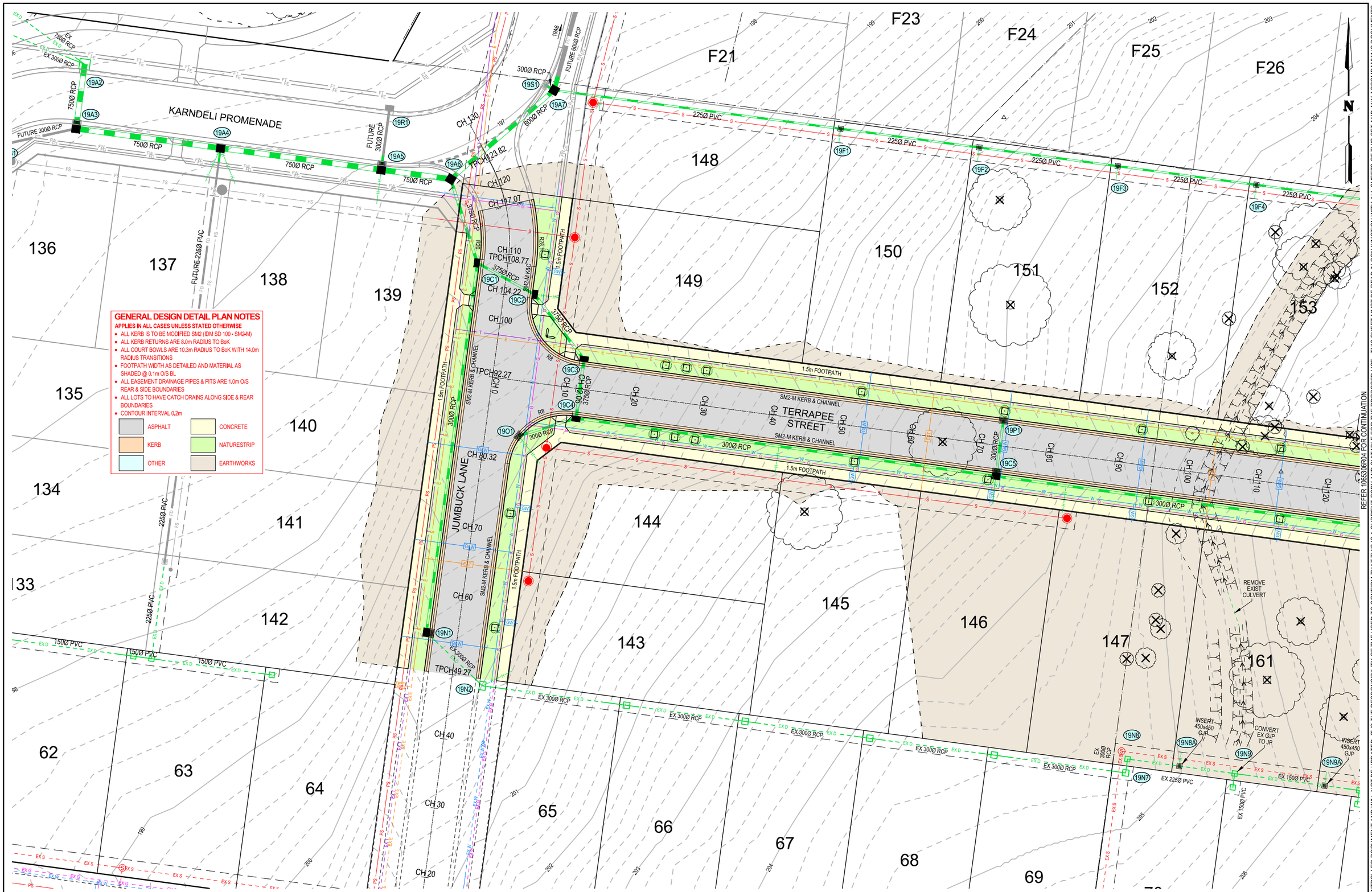

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Principal STRATHFIELDSAYE HOLDINGS PTY LTD

SCALE: 1:500
5 0 5 10 15 20 25
LENGTHS ARE IN METRES - PAPER SIZE A3

"IMAGINE" ESTATE - STAGE 6

JUMBUCK LANE - STRATHFIELDSAYE

LAYOUT PLAN (SHEET 1 OF 2)

Municipality & Ref:
CITY OF GREATER BENDIGO
DS/834/2012 & DS/791/2012

SHT 3 of 26 REV A

Drawing No.
1065306R03

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REFER 1065306R04 FOR CONTINUATION

GENERAL DESIGN DETAIL PLAN NOTES

APPLIES IN ALL CASES UNLESS STATED OTHERWISE

- ALL KERB IS TO BE MODIFIED SM2 (IDM SD 100 - SM2-M)
- ALL KERB RETURNS ARE 8.0m RADIUS TO BoK
- ALL COURT BOWLS ARE 10.3m RADIUS TO BoK WITH 14.0m RADIUS TRANSITIONS
- FOOTPATH WIDTH AS DETAILED AND MATERIAL AS SHADED @ 0.1m O/S BL
- ALL EASEMENT DRAINAGE PIPES & PITS ARE 1.0m O/S REAR & SIDE BOUNDARIES
- ALL LOTS TO HAVE CATCH DRAINS ALONG SIDE & REAR BOUNDARIES
- CONTOUR INTERVAL 0.2m

ASPHALT | CONCRETE | KERB | NATURESTRIP | OTHER | EARTHWORKS

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Principal STRATHFIELDSAYE HOLDINGS PTY LTD

SCALE: 1:500
5 0 5 10 15 20 25
LENGTHS ARE IN METRES - PAPER SIZE A3

"IMAGINE" ESTATE - STAGE 6

JUMBUCK LANE - STRATHFIELDSAYE

LAYOUT PLAN (SHEET 2 OF 2)

Municipality & Ref:
CITY OF GREATER BENDIGO
DS/834/2012 & DS/791/2012

SHT 4 of 26 REV A

Drawing No.
1065306R04

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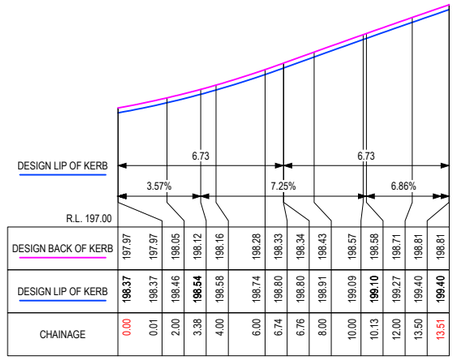
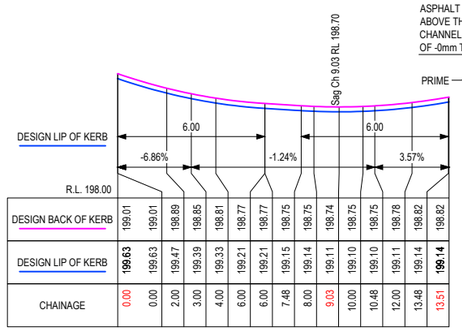
PLOT DATE: 15/01/2016 FILE: F:\JOB DATA\10600-10699\10653 - STRATHFIELDSAYE HOLDINGS - STRATHFIELDSAYE\06ENGINEERING\CIVIL3D\CURRENT DESIGN\1065306 ENG PLANS.DWG



CHAINAGE	DESIGN BACK OF KERB	DESIGN LIP OF KERB
0.00	197.97	**198.37**
0.01	197.97	198.37
2.00	198.05	198.46
3.38	198.12	**198.54**
4.00	198.16	198.58
6.00	198.28	198.74
6.74	198.33	198.80
6.76	198.34	198.80
8.00	198.43	198.91
10.00	198.57	199.09
10.13	198.58	**199.10**
12.00	198.71	199.27
13.50	198.81	199.40
13.51	198.81	**199.40**

NORTH KERB RETURN

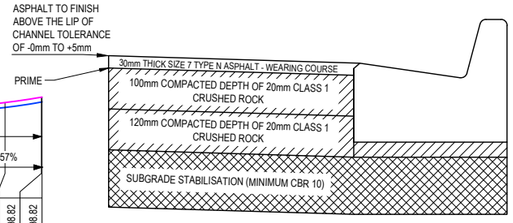
SCALE H 1:250 V 1:50



CHAINAGE	DESIGN BACK OF KERB	DESIGN LIP OF KERB
0.00	199.01	**199.63**
0.00	199.01	199.63
2.00	198.89	199.47
3.00	198.85	199.39
4.00	198.81	199.33
6.00	198.77	199.21
6.00	198.77	199.21
7.48	198.75	199.15
8.00	198.75	199.14
9.03	198.74	199.11
10.00	198.75	199.10
10.48	198.75	199.10
12.00	198.78	199.11
13.48	198.82	199.14
13.51	198.82	**199.14**

SOUTH KERB RETURN

SCALE H 1:250 V 1:50



TYPICAL PAVEMENT DETAIL - ALL ROADS

NOT TO SCALE

PAVEMENT NOTES:

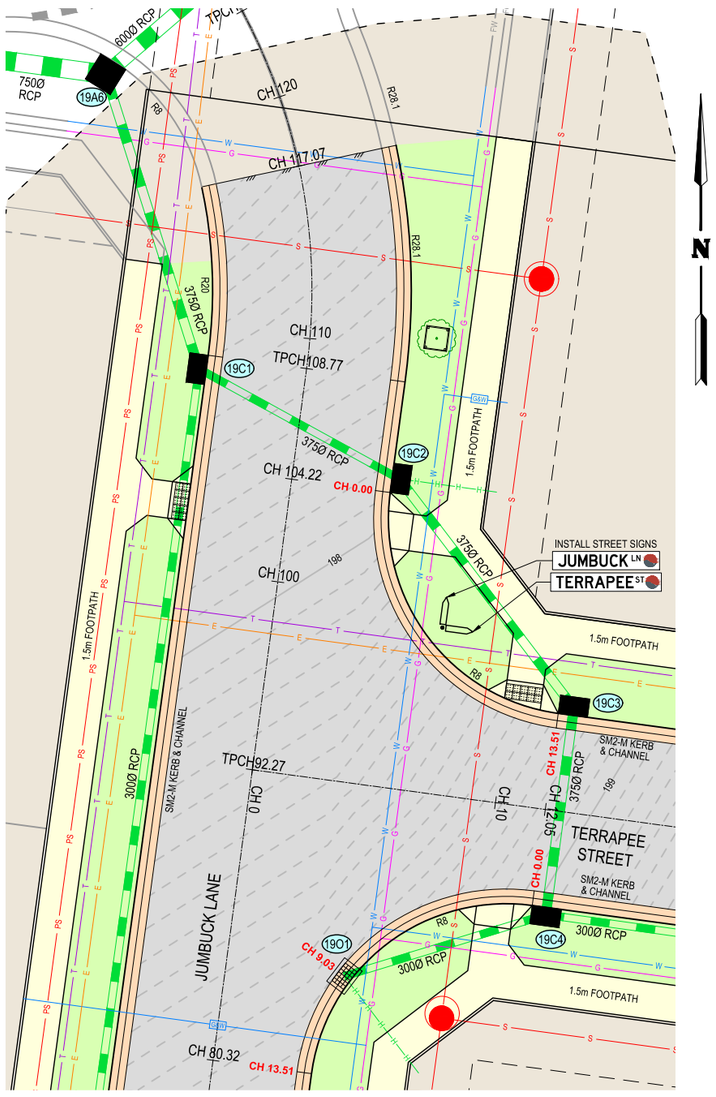
1. PAVEMENT DEPTHS MAY BE VARIED, AS DIRECTED BY SUPERINTENDANT. PAVEMENT TO BE BOXED OUT TO MINIMUM DEPTH DENOTED, INSPECTED AND IF SUB GRADE IS IN QUESTION, FURTHER TESTING TO BE CARRIED OUT TO DETERMINE FINAL PAVEMENT DEPTH.
2. WHEN PAVEMENT EXCAVATION IS IN ROCK, ALL LOOSE MATERIAL (INCL' ROCK & CLAY) MUST BE REMOVED. THE SUBGRADE MUST THEN BE REGULATED WITH COUNCIL APPROVED MATERIAL.
3. PRIOR TO PLACEMENT OF THE FILL MATERIAL UNDER NEW PAVEMENT, APPROVAL OF THE MATERIAL TO BE USED MUST BE OBTAINED FROM COUNCIL.
4. PAVEMENT TO BE COMPACTED TO 98% MINIMUM MODIFIED DRY DENSITY

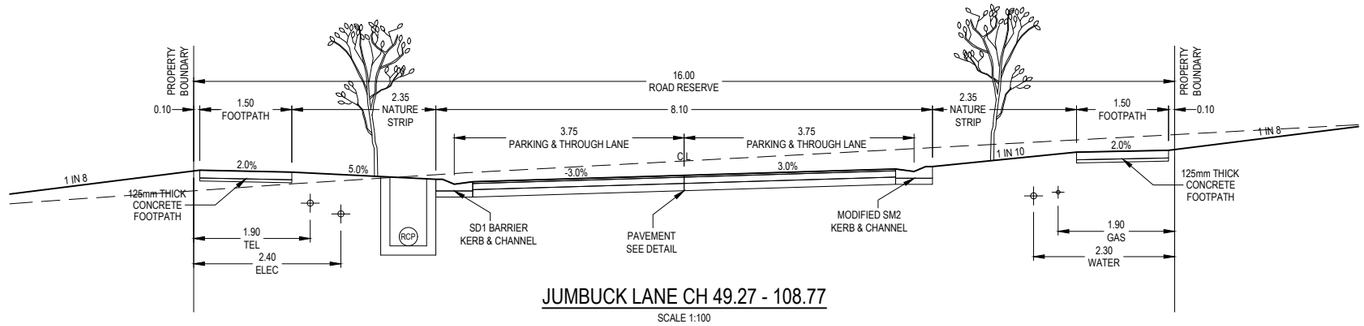
GENERAL DESIGN DETAIL PLAN NOTES

APPLIES IN ALL CASES UNLESS STATED OTHERWISE

- ALL KERB IS TO BE MODIFIED SM2 (IDM SD 100 - SM2-M)
- ALL KERB RETURNS ARE 8.0m RADIUS TO BoK
- ALL COURT BOWLS ARE 10.3m RADIUS TO BoK WITH 14.0m RADIUS TRANSITIONS
- FOOTPATH WIDTH AS DETAILED AND MATERIAL AS SHADED @ 0.1m O/S BL
- ALL EASEMENT DRAINAGE PIPES & PITS ARE 1.0m O/S REAR & SIDE BOUNDARIES
- ALL LOTS TO HAVE CATCH DRAINS ALONG SIDE & REAR BOUNDARIES
- CONTOUR INTERVAL 0.2m

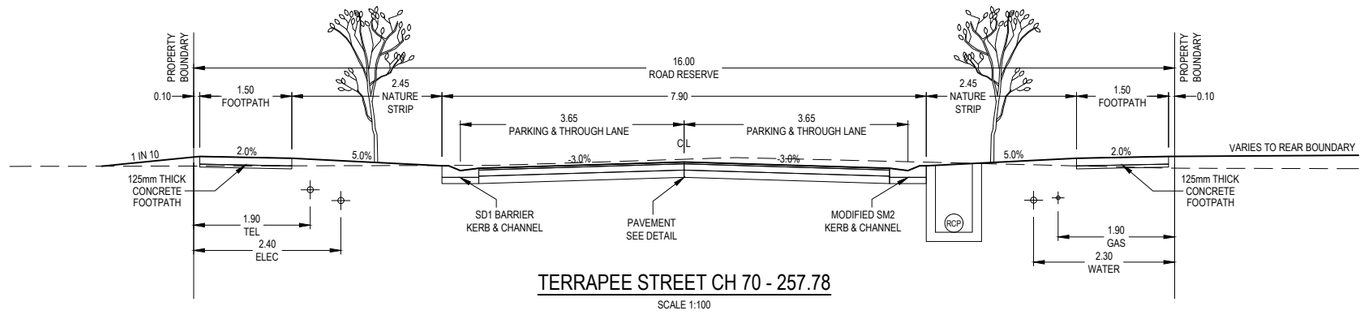
ASPHALT | CONCRETE | KERB | NATURESTRIP | OTHER | EARTHWORKS





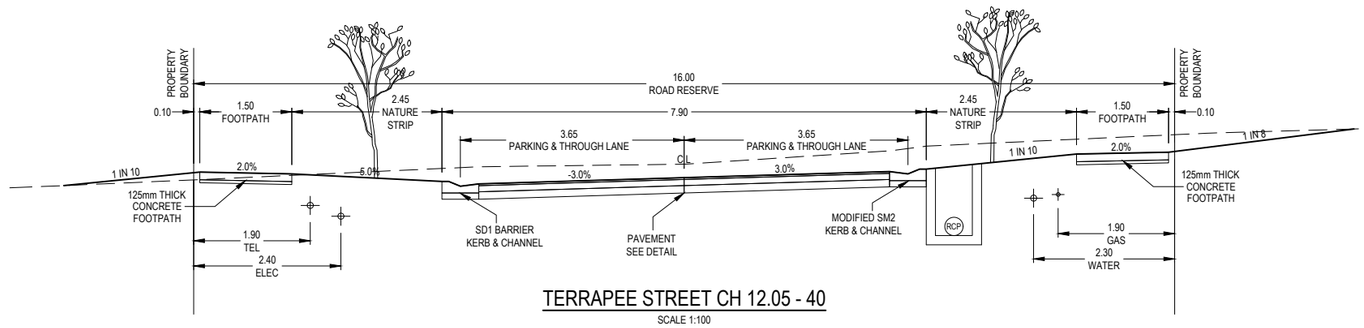
JUMBUCK LANE CH 49.27 - 108.77

SCALE 1:100



TERRAPEE STREET CH 70 - 257.78

SCALE 1:100



TERRAPEE STREET CH 12.05 - 40

SCALE 1:100

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ISO 9001:2008 FS520488
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PO BOX 421, BENDIGO 3552 57 MYERS STREET, BENDIGO 3550
WEB: www.tomkinson.com EMAIL: bendigo@tomkinson.com

Principal STRATHFIELDSAYE HOLDINGS PTY LTD

SCALE: 1:250 (2.5 0 2.5 5 7.5 10 12.5) LENGTHS ARE IN METRES - PAPER SIZE A3

"IMAGINE" ESTATE - STAGE 6

JUMBUCK LANE - STRATHFIELDSAYE

INTERSECTION DETAIL & TYPICAL ROAD DETAILS

Municipality & Ref: CITY OF GREATER BENDIGO DS/834/2012 & DS/791/2012

SHT 5 of 26 REV A

Drawing No. 1065306R05

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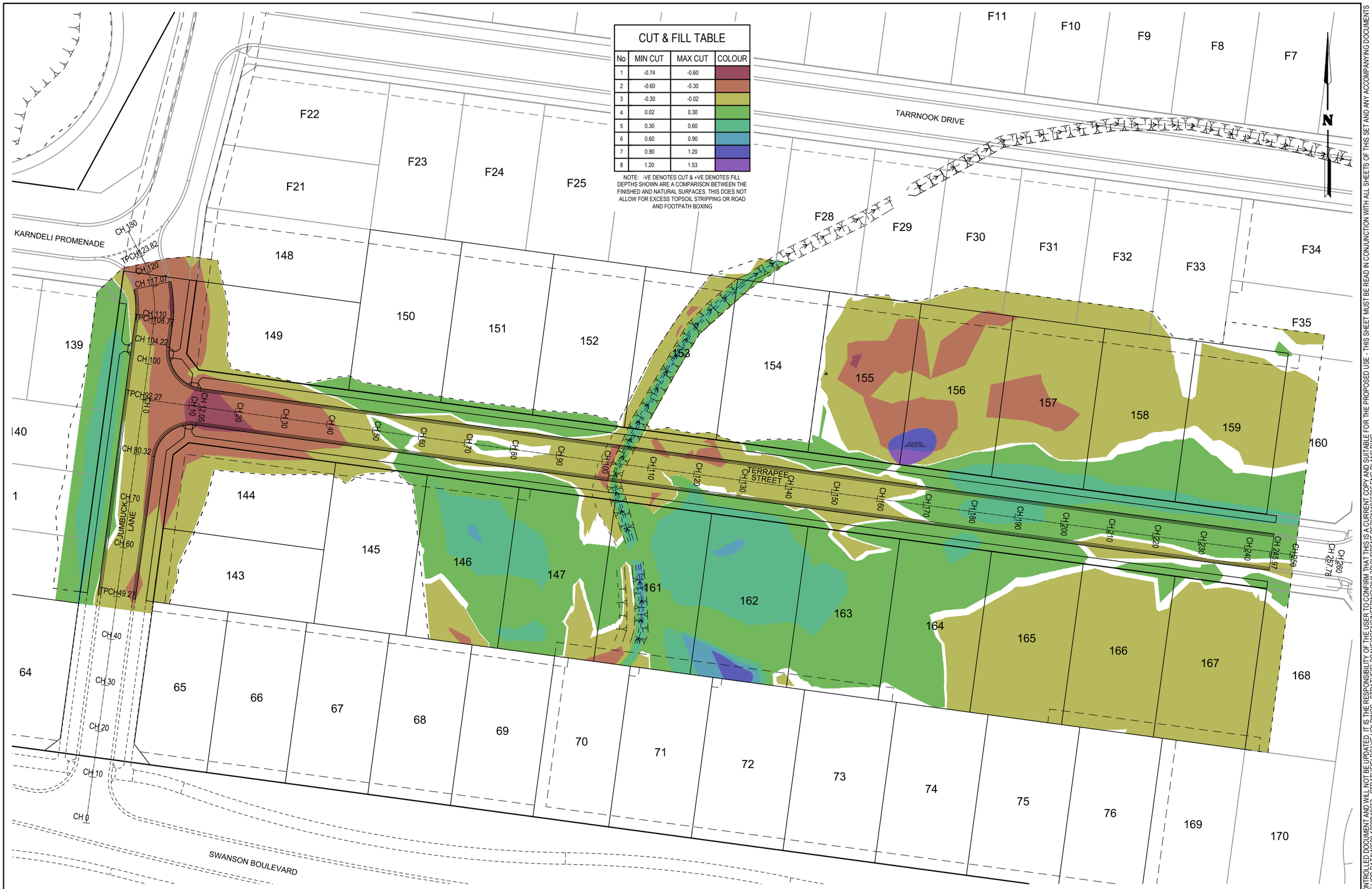

CUT & FILL TABLE

No	MIN CUT	MAX CUT	COLOUR
1	-0.74	-0.60	
2	-0.60	-0.30	
3	-0.30	-0.02	
4	0.02	0.30	
5	0.30	0.60	
6	0.60	0.90	
7	0.90	1.20	
8	1.20	1.53	

NOTE: -VE DENOTES CUT & +VE DENOTES FILL DEPTHS SHOWN ARE A COMPARISON BETWEEN THE FINISHED AND NATURAL SURFACES. THIS DOES NOT ALLOW FOR EXCESS TOPSOIL STRIPPING OR ROAD AND FOOTPATH BOXING

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ISO 9001:2008 FS520488

Principal STRATHFIELDSAYE HOLDINGS PTY LTD

SCALE: 1:750
7.5 0 7.5 15 22.5 30 37.5
LENGTHS ARE IN METRES - PAPER SIZE A3

"IMAGINE" ESTATE - STAGE 6

JUMBUCK LANE - STRATHFIELDSAYE

LAYOUT PLAN (SHEET 1 OF 2)

Municipality & Ref:
CITY OF GREATER BENDIGO
DS/834/2012 & DS/791/2012

SHT 6 of 26 REV A

Drawing No.
1065306R06

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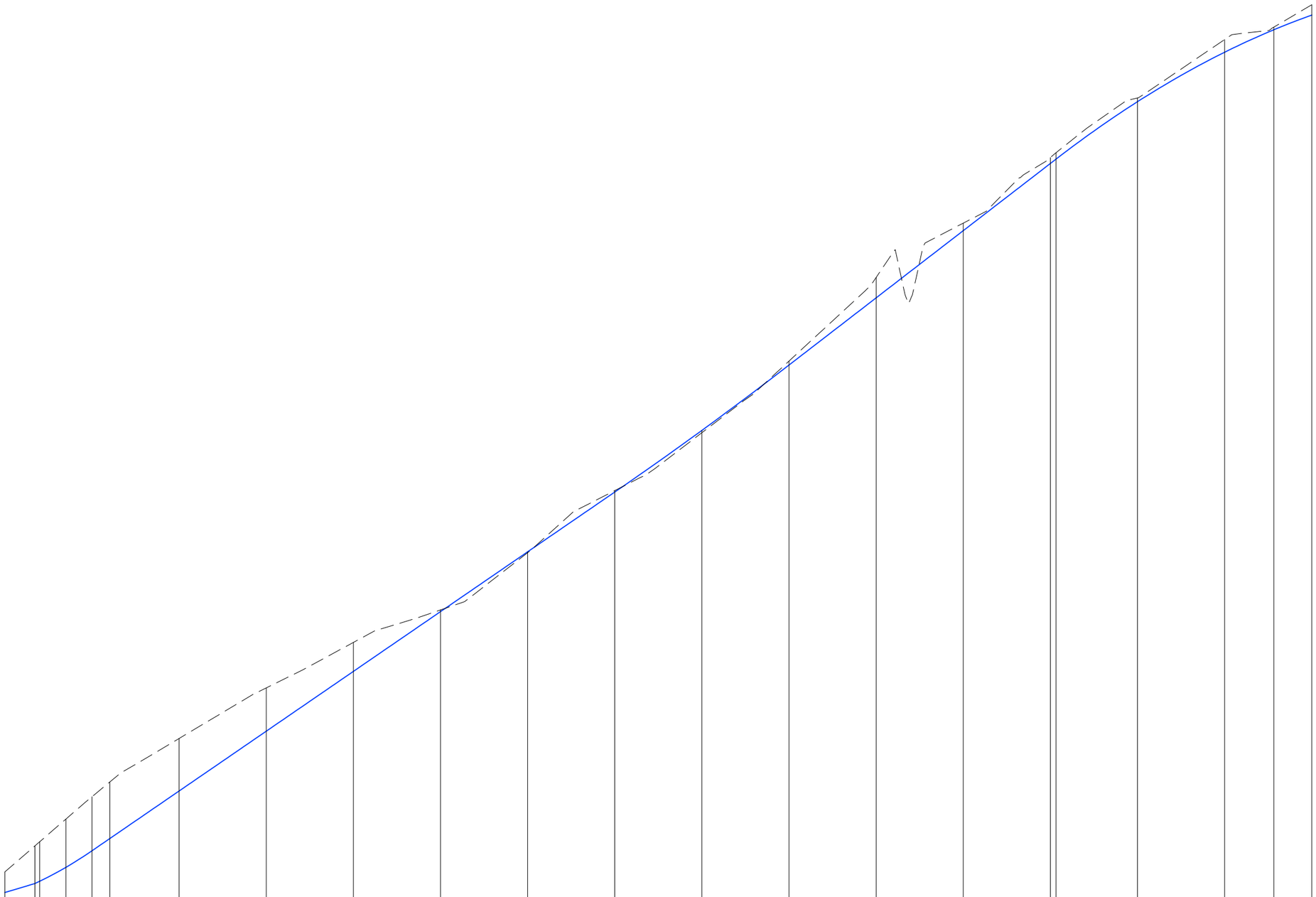

DESIGN C.L.	198.25	198.36	198.38	198.54	198.73	198.87	199.42	200.10	200.79	201.47	202.16	202.85	203.55	204.30	205.07	205.84	206.61	206.66	207.32	207.89	208.15	208.32
NATURAL SURFACE	**198.49**	198.79	198.84	199.09	199.35	199.52	200.02	200.60	201.12	201.49	202.15	202.86	203.53	204.35	205.31	205.93	206.68	206.74	207.37	208.04	208.18	208.43
CHAINAGE	0.00	3.45	4.00	7.00	10.00	12.05	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00	110.00	120.00	120.64	130.00	140.00	145.64	150.00

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Principal STRATHFIELDSAYE HOLDINGS PTY LTD

SCALE H 1:500 V 1:50
5 0 5 10 15 20 25
LENGTHS ARE IN METRES - PAPER SIZE A3

Municipality & Ref: CITY OF GREATER BENDIGO DS/834/2012 & DS/791/2012

"IMAGINE" ESTATE - STAGE 6

JUMBUCK LANE - STRATHFIELDSAYE

TERRAPEE STREET LONG SECTION (SHEET 1 OF 2)

SHT 7 of 26 REV A

Drawing No. 1065306R07

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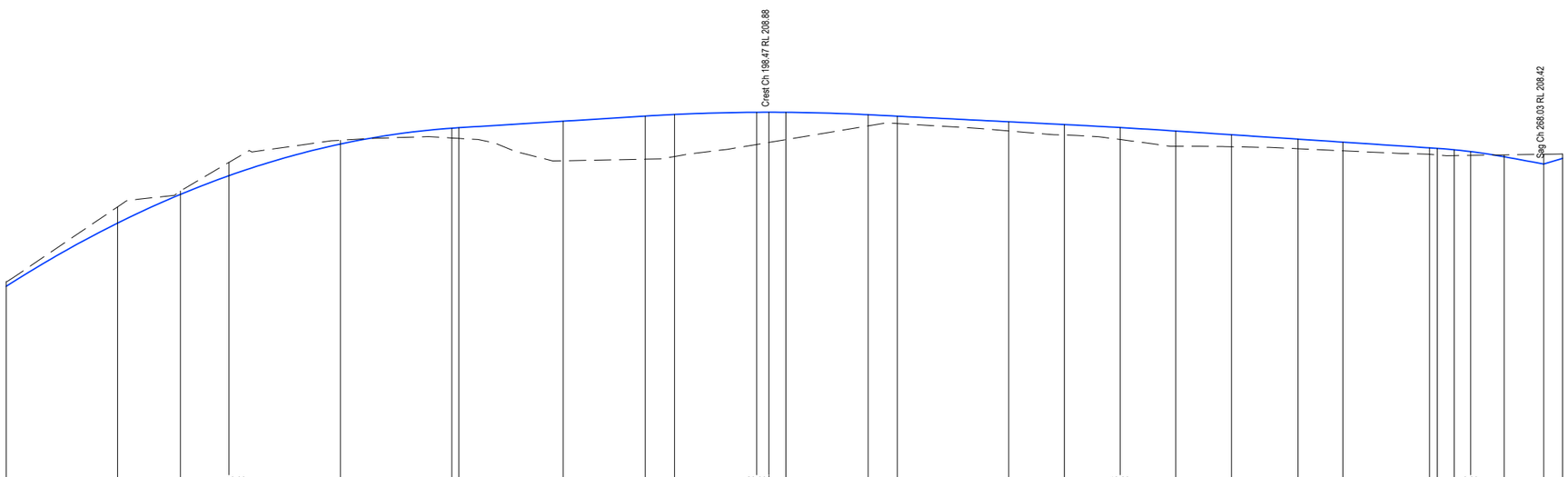

R.L. 205.00

CHAINAGE	DESIGN C.L.	NATURAL SURFACE
130.00	207.32	207.37
140.00	207.89	208.04
145.64	208.15	208.18
150.00	208.32	208.43
160.00	208.60	208.63
170.00	208.74	208.65
170.64	208.75	208.65
180.00	208.80	208.45
187.37	208.85	208.46
190.00	208.86	208.49
197.37	208.88	208.60
198.47	208.88	208.61
200.00	208.88	208.64
207.37	208.86	208.76
210.00	208.85	208.78
220.00	208.80	208.72
225.00	208.77	208.68
230.00	208.75	208.64
235.00	208.72	208.58
240.00	208.68	208.57
245.97	208.64	**208.56**
250.00	208.62	208.54
257.78	208.56	208.51
258.47	208.56	208.50
260.00	208.55	208.50
261.47	208.53	208.50
264.47	208.49	208.50
268.03	208.42	208.51
269.73	208.47	**208.51**

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WEB: www.tomkinson.com EMAIL: bendigo@tomkinson.com

Principal STRATHFIELDSAYE HOLDINGS PTY LTD

SCALE H 1:500 V 1:50
5 0 5 10 15 20 25
LENGTHS ARE IN METRES - PAPER SIZE A3

"IMAGINE" ESTATE - STAGE 6

JUMBUCK LANE - STRATHFIELDSAYE

TERRAPEE STREET LONG SECTION (SHEET 2 OF 2)

Municipality & Ref:
CITY OF GREATER BENDIGO
DS/834/2012 & DS/791/2012

SHT 8 of 26 REV A

Drawing No.
1065306R08

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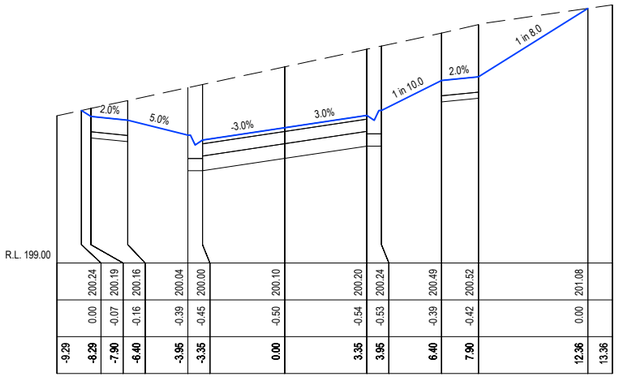
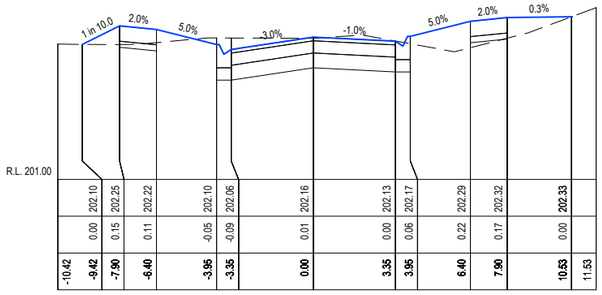


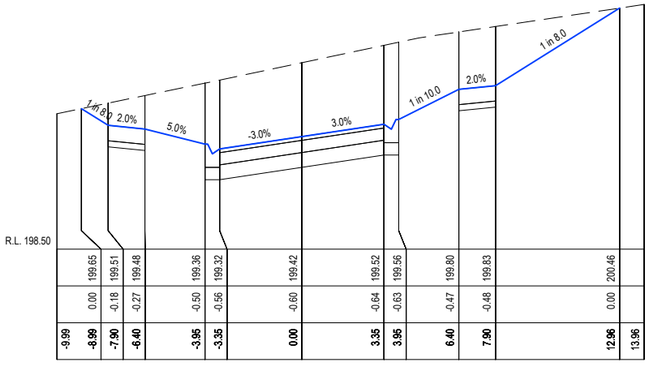
	200.24	200.19	200.16	200.04	200.00	200.10	200.20	200.24	200.49	200.52	201.08		
	0.00	-0.07	-0.16	-0.39	-0.45	-0.50	-0.54	-0.53	-0.39	-0.42	0.00		
-9.29	-8.29	-7.90	-6.40	-3.95	-3.35	0.00	3.35	3.95	6.40	7.90	12.36	13.36	

CH 30.00
TERRAPEE STREET



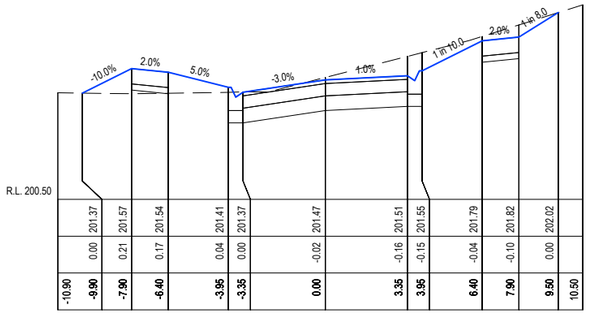
	202.10	202.25	202.22	202.10	202.06	202.16	202.13	202.17	202.29	202.32	202.33		
	0.00	0.15	0.11	-0.05	-0.09	0.01	0.00	0.06	0.22	0.17	0.00		
-10.42	-9.42	-7.90	-6.40	-3.95	-3.35	0.00	3.35	3.95	6.40	7.90	10.53	11.53	

CH 60.00
TERRAPEE STREET



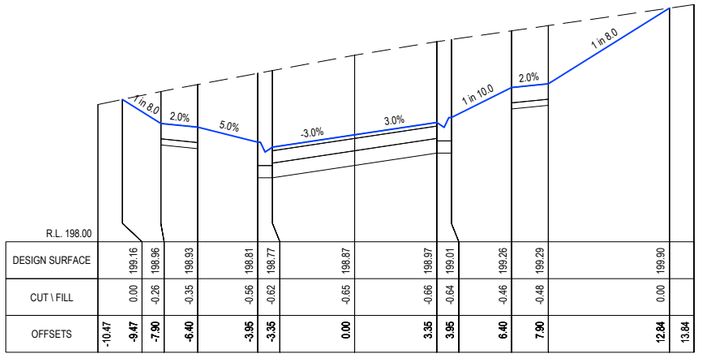
	199.65	199.51	199.48	199.36	199.32	199.42	199.52	199.56	199.80	199.83	200.46		
	0.00	-0.18	-0.27	-0.50	-0.56	-0.60	-0.64	-0.63	-0.47	-0.48	0.00		
-9.99	-8.99	-7.90	-6.40	-3.95	-3.35	0.00	3.35	3.95	6.40	7.90	12.96	13.96	

CH 20.00
TERRAPEE STREET



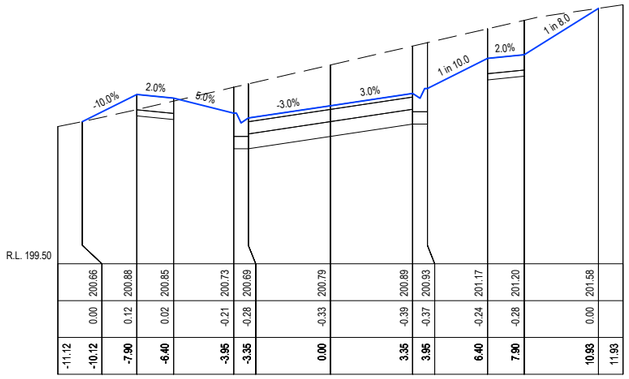
	201.37	201.57	201.54	201.41	201.37	201.47	201.51	201.55	201.79	201.82	202.02		
	0.00	0.21	0.17	0.04	0.00	-0.02	-0.16	-0.15	-0.04	-0.10	0.00		
-10.90	-9.90	-7.90	-6.40	-3.95	-3.35	0.00	3.35	3.95	6.40	7.90	9.50	10.50	

CH 50.00
TERRAPEE STREET



DESIGN SURFACE	199.16	198.96	198.93	198.81	198.77	198.87	198.97	199.01	199.26	199.29	199.90		
CUT \ FILL	0.00	-0.26	-0.35	-0.56	-0.62	-0.65	-0.66	-0.64	-0.46	-0.48	0.00		
OFFSETS	-10.47	-9.47	-7.90	-6.40	-3.95	-3.35	0.00	3.35	3.95	6.40	7.90	12.84	13.84

CH 12.05
TERRAPEE STREET



	200.66	200.88	200.85	200.73	200.69	200.79	200.89	200.93	201.17	201.20	201.58		
	0.00	0.12	0.02	-0.21	-0.28	-0.33	-0.39	-0.37	-0.24	-0.28	0.00		
-11.12	-10.12	-7.90	-6.40	-3.95	-3.35	0.00	3.35	3.95	6.40	7.90	10.93	11.93	

CH 40.00
TERRAPEE STREET

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ISO 9001:2008 FS520488

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SCALE H 1:250 V 1:50
2.5 0 2.5 5 7.5 10 12.5
LENGTHS ARE IN METRES - PAPER SIZE A3

"IMAGINE" ESTATE - STAGE 6

JUMBUCK LANE - STRATHFIELDSAYE

TERRAPEE STREET CROSS SECTIONS (SHEET 1 OF 7)

Municipality & Ref:
CITY OF GREATER BENDIGO
DS/834/2012 & DS/791/2012

SHT 9 of 26 REV A

Drawing No.
1065306R09

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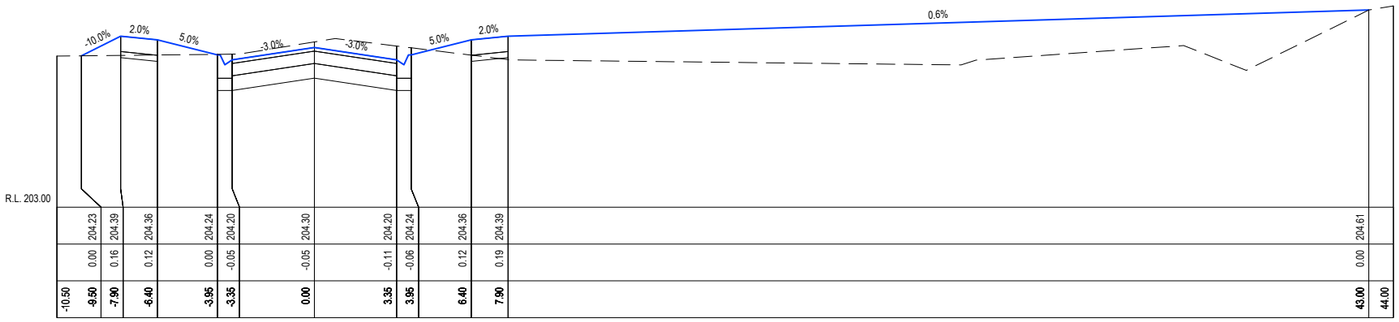
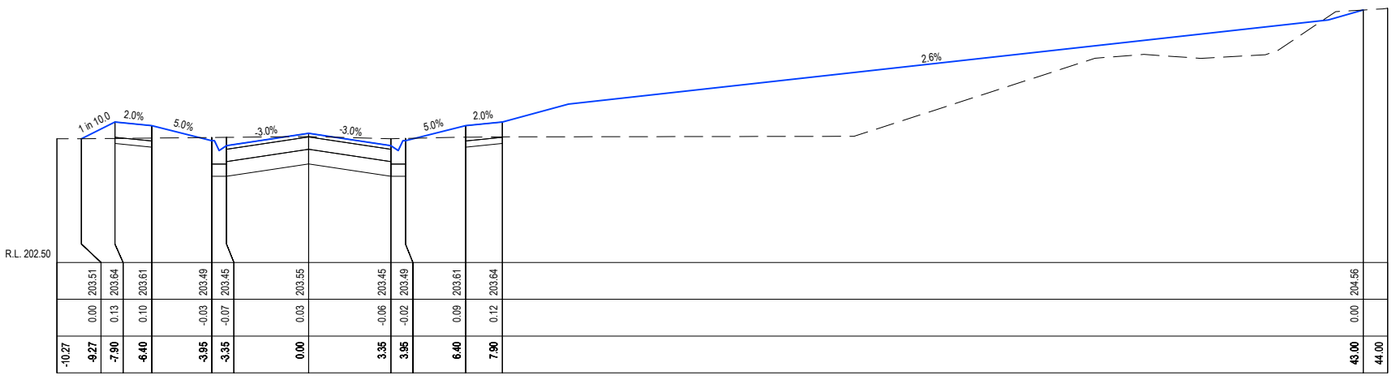
PLOT DATE: 15/01/2016 FILE: F:\JOB DATA\10600-10699\10653 - STRATHFIELDSAYE HOLDINGS - STRATHFIELDSAYE\06ENGINEERING\CIVIL3D\CURRENT DESIGN\1065306 ENG PLANS.DWG



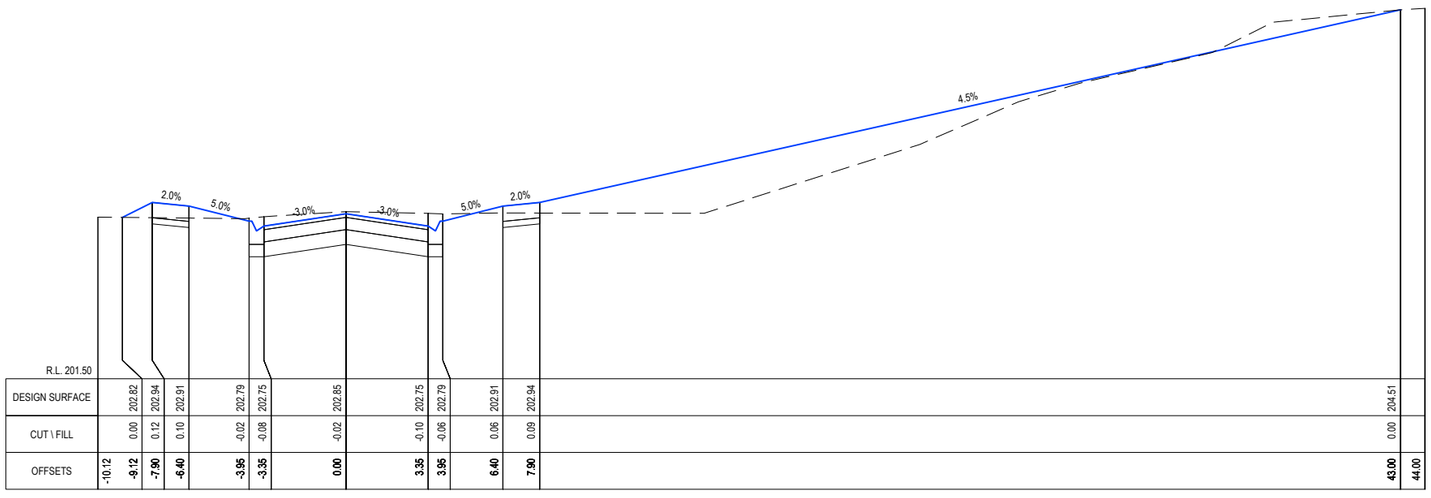
	204.23	204.39	204.36	204.24	204.20	204.30	204.20	204.24	204.36	204.39		204.61	
	0.00	0.16	0.12	0.00	-0.05	-0.05	-0.11	-0.06	0.12	0.19		0.00	
-10.50	**-9.50**	**-7.90**	**-6.40**	**-3.95**	**-3.35**	**0.00**	**3.35**	**3.95**	**6.40**	**7.90**		**43.00**	**44.00**

CH 90.00
TERRAPEE STREET



	203.51	203.64	203.61	203.49	203.45	203.55	203.45	203.49	203.61	203.64		204.56	
	0.00	0.13	0.10	-0.03	-0.07	0.03	-0.06	-0.02	0.09	0.12		0.00	
-10.27	**-9.27**	**-7.90**	**-6.40**	**-3.95**	**-3.35**	**0.00**	**3.35**	**3.95**	**6.40**	**7.90**		**43.00**	**44.00**

CH 80.00
TERRAPEE STREET



DESIGN SURFACE	202.82	202.94	202.91	202.79	202.75	202.85	202.75	202.79	202.91	202.94		204.51	
CUT \ FILL	0.00	0.12	0.10	-0.02	-0.08	-0.02	-0.10	-0.06	0.06	0.09		0.00	
OFFSETS	**-10.12**	**-9.12**	**-7.90**	**-6.40**	**-3.95**	**-3.35**	**0.00**	**3.35**	**3.95**	**6.40**	**7.90**	**43.00**	**44.00**

CH 70.00
TERRAPEE STREET

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REV	REVISION	DES	DWG	CHK	DATE
A	AS SUBMITTED TO COUNCIL	NjB	NjB	RK	15/01/16

Tomkinson Group
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LICENSED SURVEYORS CIVIL ENGINEERS
FREECALL: 1800 810 170 TEL: (03) 5445 8700 FAX: (03) 5441 3648
PO BOX 421, BENDIGO 3552 57 MYERS STREET, BENDIGO 3550
WEB: www.tomkinson.com EMAIL: bendigo@tomkinson.com
ISO 9001:2008 FS520488

Principal STRATHFIELDSAYE HOLDINGS PTY LTD

SCALE H 1:250 V 1:50
2.5 0 2.5 5 7.5 10 12.5
LENGTHS ARE IN METRES - PAPER SIZE A3

"IMAGINE" ESTATE - STAGE 6

JUMBUCK LANE - STRATHFIELDSAYE

TERRAPEE STREET CROSS SECTIONS (SHEET 2 OF 7)

Municipality & Ref:
CITY OF GREATER BENDIGO
DS/834/2012 & DS/791/2012

SHT 10 of 26 REV A

Drawing No.
1065306R10

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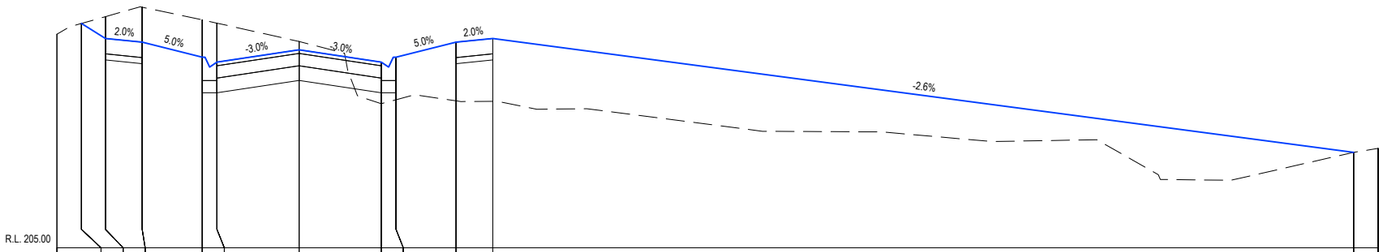
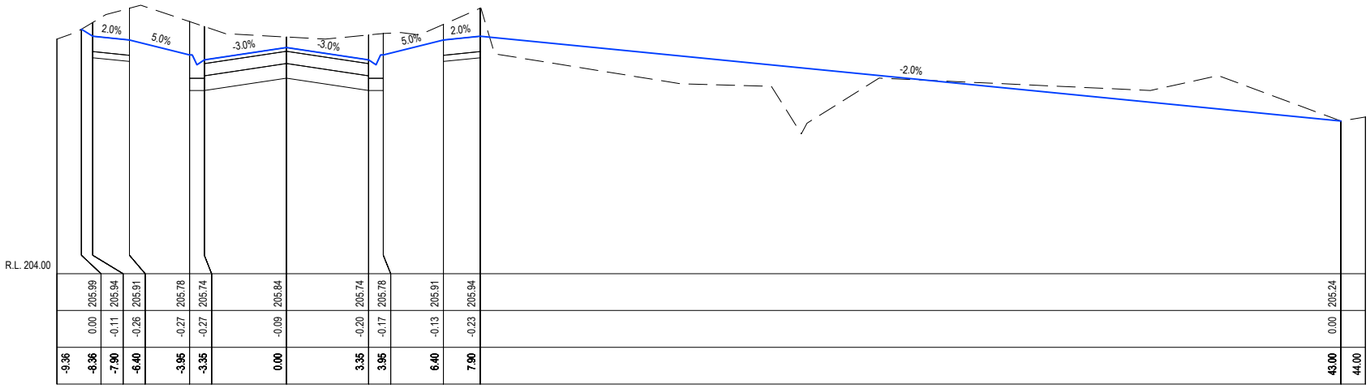
PLOT DATE: 15/01/2016 FILE: F:\JOB DATA\10600-10699\10653 - STRATHFIELDSAYE HOLDINGS - STRATHFIELDSAYE\06ENGINEERING\CIVIL3D\CURRENT DESIGN\1065306 ENG PLANS.DWG



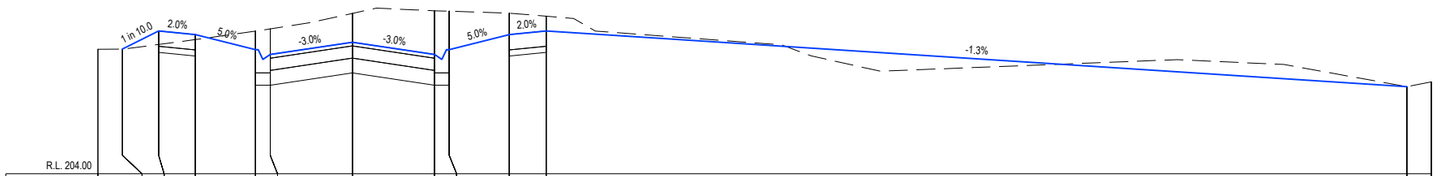
	206.83	206.71	206.68	206.55	206.51	206.61	206.51	206.55	206.68	206.71		205.78	
	0.00	-0.18	-0.29	-0.30	-0.32	-0.07	0.34	0.35	0.48	0.51		0.00	
-9.88	**-8.88**	**-7.90**	**-6.40**	**-3.95**	**-3.35**	**0.00**	**3.35**	**3.95**	**6.40**	**7.90**		**43.00**	**44.00**

CH 120.00
TERRAPEE STREET



	205.99	205.94	205.91	205.78	205.74	205.84	205.74	205.78	205.91	205.94		205.24	
	0.00	-0.11	-0.26	-0.27	-0.27	-0.09	-0.20	-0.17	-0.13	-0.23		0.00	
-9.36	**-8.36**	**-7.90**	**-6.40**	**-3.95**	**-3.35**	**0.00**	**3.35**	**3.95**	**6.40**	**7.90**		**43.00**	**44.00**

CH 110.00
TERRAPEE STREET



DESIGN SURFACE	205.02	205.16	205.13	205.01	204.97	205.07	204.97	205.01	205.13	205.16		204.71	
CUT \ FILL	0.00	0.11	0.04	-0.15	-0.21	-0.23	-0.36	-0.31	-0.17	-0.12		0.00	
OFFSETS	**-10.38**	**-9.38**	**-7.90**	**-6.40**	**-3.95**	**-3.35**	**0.00**	**3.35**	**3.95**	**6.40**	**7.90**	**43.00**	**44.00**

CH 100.00
TERRAPEE STREET

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REV	REVISION	DES	DWG	CHK	DATE
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DEVELOPMENT PLANNERS CIVIL ENGINEERS
ISO 9001:2008 FS520488
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PO BOX 421, BENDIGO 3552 57 MYERS STREET, BENDIGO 3550
WEB: www.tomkinson.com EMAIL: bendigo@tomkinson.com

Principal STRATHFIELDSAYE HOLDINGS PTY LTD

SCALE H 1:250 V 1:50
2.5 0 2.5 5 7.5 10 12.5
LENGTHS ARE IN METRES - PAPER SIZE A3

"IMAGINE" ESTATE - STAGE 6

JUMBUCK LANE - STRATHFIELDSAYE

TERRAPEE STREET CROSS SECTIONS (SHEET 3 OF 7)

Municipality & Ref:
CITY OF GREATER BENDIGO
DS/834/2012 & DS/791/2012

SHT 11 of 26 REV A

Drawing No.
1065306R11

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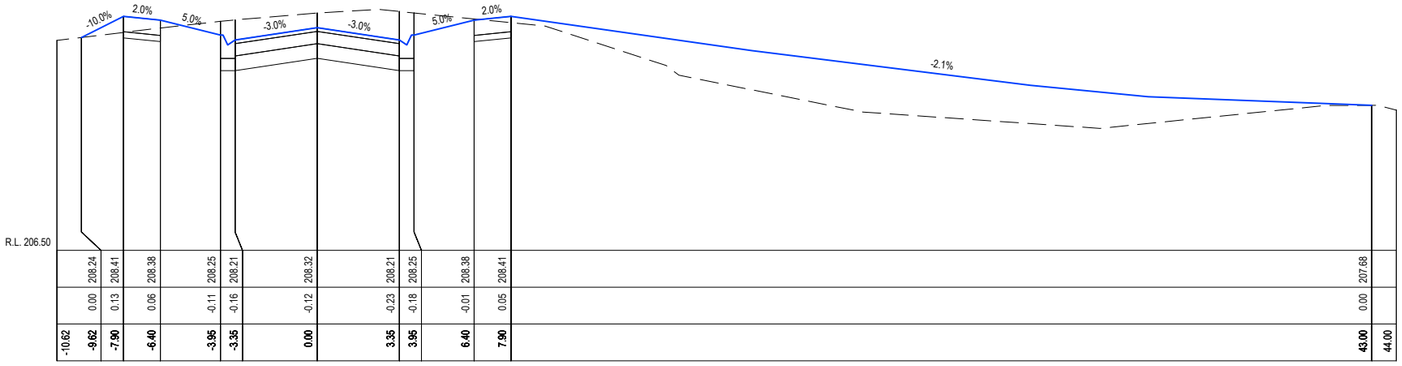
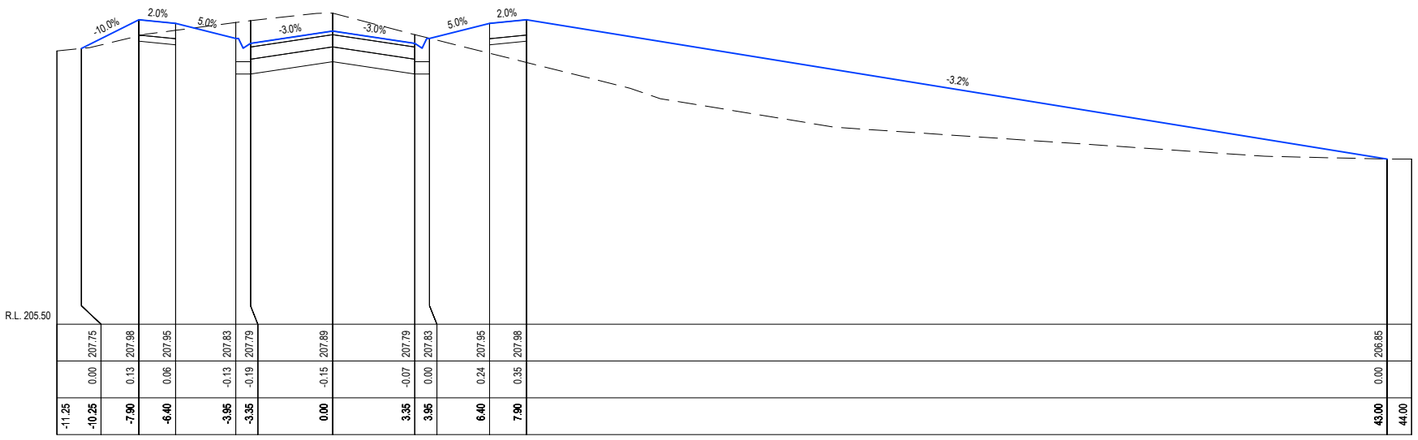
PLOT DATE: 15/01/2016 FILE: F:\JOB DATA\10600-10699\10653 - STRATHFIELDSAYE HOLDINGS - STRATHFIELDSAYE\06ENGINEERING\CIVIL3D\CURRENT DESIGN\1065306 ENG PLANS.DWG



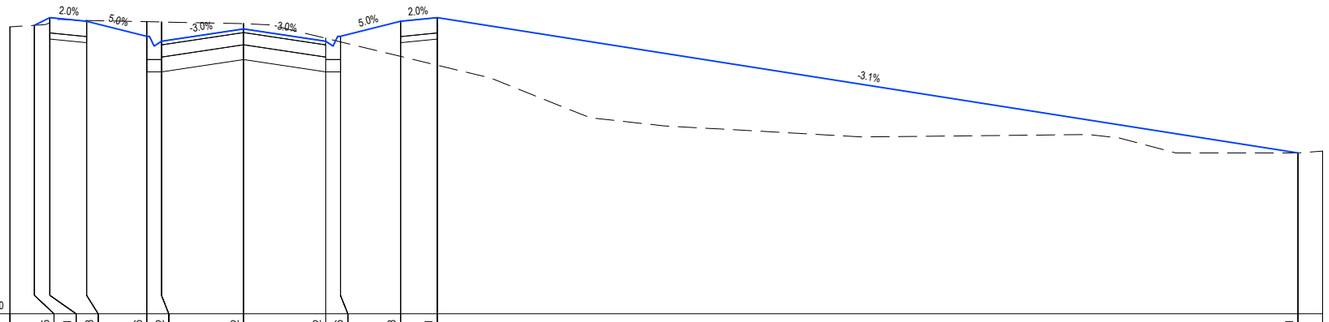
	208.24	208.41	208.38	208.25	208.21	208.32	208.21	208.25	208.38	208.41		207.68	
	0.00	0.13	0.06	-0.11	-0.16	-0.12	-0.23	-0.18	-0.01	0.05		0.00	
-10.62	**-9.62**	**-7.90**	**-6.40**	**-3.95**	**-3.35**	**0.00**	**3.35**	**3.95**	**6.40**	**7.90**		**43.00**	**44.00**

CH 150.00
TERRAPEE STREET



	207.75	207.98	207.95	207.83	207.79	207.89	207.79	207.83	207.95	207.98		206.85	
	0.00	0.13	0.06	-0.13	-0.19	-0.15	-0.07	0.00	0.24	0.35		0.00	
-11.25	**-10.25**	**-7.90**	**-6.40**	**-3.95**	**-3.35**	**0.00**	**3.35**	**3.95**	**6.40**	**7.90**		**43.00**	**44.00**

CH 140.00
TERRAPEE STREET



DESIGN SURFACE	207.35	207.41	207.38	207.26	207.22	207.32	207.22	207.26	207.38	207.41		206.31	
CUT \ FILL	0.00	0.04	-0.01	-0.12	-0.16	-0.04	-0.02	0.05	0.29	0.39		0.00	
OFFSETS	**-9.53**	**-8.53**	**-7.90**	**-6.40**	**-3.95**	**-3.35**	**0.00**	**3.35**	**3.95**	**6.40**	**7.90**	**43.00**	**44.00**

CH 130.00
TERRAPEE STREET

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WEB: www.tomkinson.com EMAIL: bendigo@tomkinson.com
ISO 9001:2008 FS520488

Principal STRATHFIELDSAYE HOLDINGS PTY LTD

SCALE H 1:250 V 1:50
2.5 0 2.5 5 7.5 10 12.5
LENGTHS ARE IN METRES - PAPER SIZE A3

"IMAGINE" ESTATE - STAGE 6

JUMBUCK LANE - STRATHFIELDSAYE

TERRAPEE STREET CROSS SECTIONS (SHEET 4 OF 7)

Municipality & Ref:
CITY OF GREATER BENDIGO
DS/834/2012 & DS/791/2012

SHT 12 of 26 REV A

Drawing No.
1065306R12

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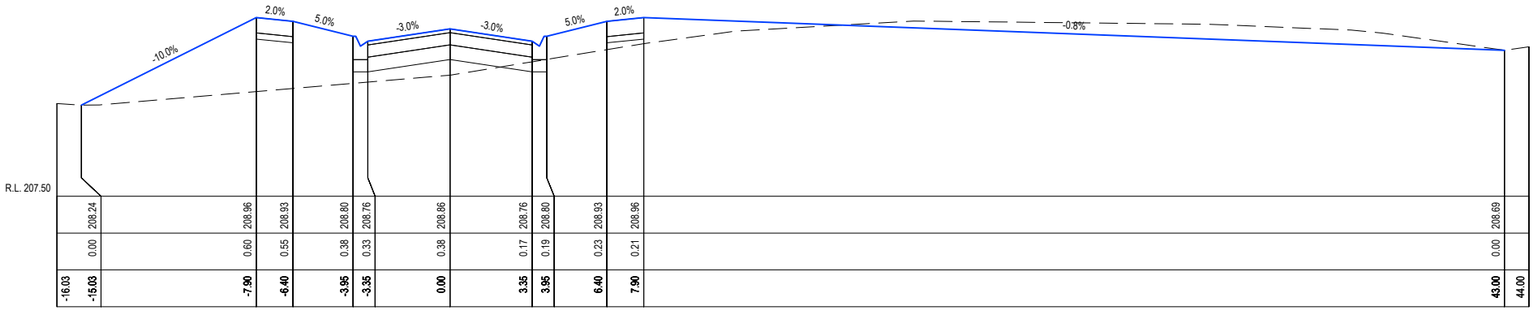
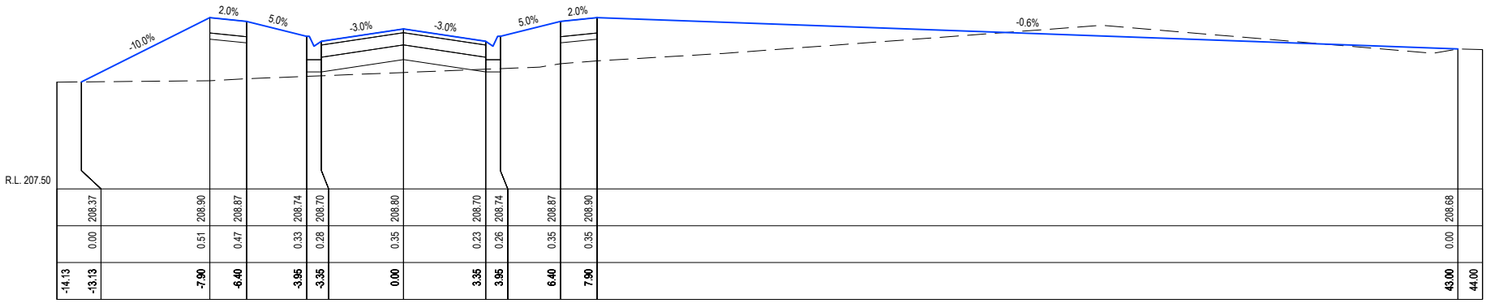
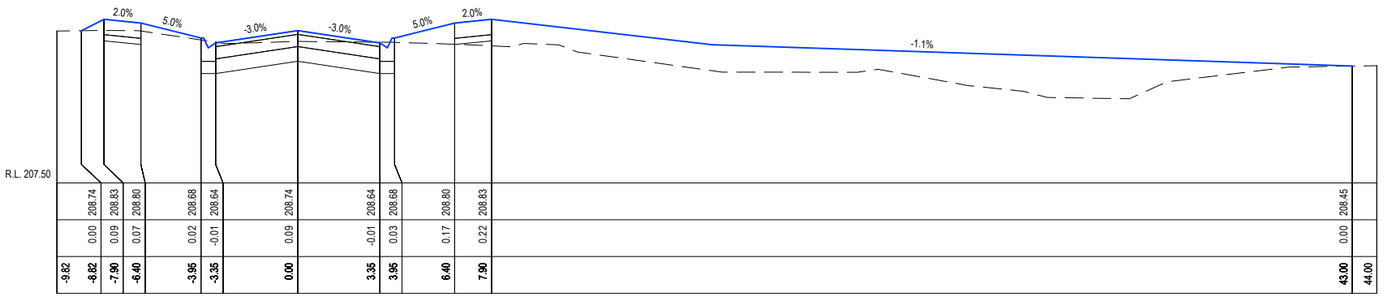
PLOT DATE: 15/01/2016 FILE: F:\JOB DATA\10600-10699\10653 - STRATHFIELDSAYE HOLDINGS - STRATHFIELDSAYE\006ENGINEERING\CIVIL3D\CURRENT DESIGN\1065306 ENG PLANS.DWG



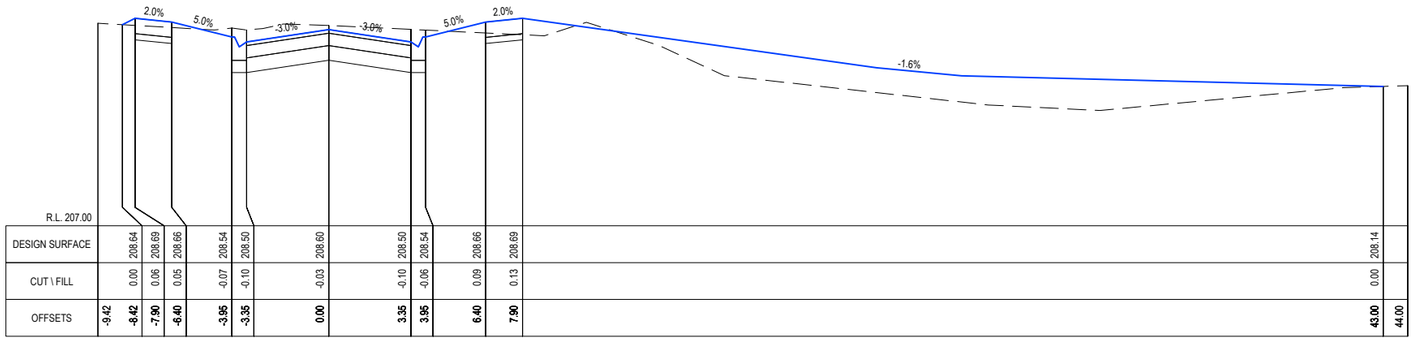
CH 190.00
TERRAPEE STREET



CH 180.00
TERRAPEE STREET



CH 170.00
TERRAPEE STREET



CH 160.00
TERRAPEE STREET

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WEB: www.tomkinson.com EMAIL: bendigo@tomkinson.com

Principal STRATHFIELDSAYE HOLDINGS PTY LTD

SCALE H 1:250 V 1:50
2.5 0 2.5 5 7.5 10 12.5
LENGTHS ARE IN METRES - PAPER SIZE A3

"IMAGINE" ESTATE - STAGE 6

JUMBUCK LANE - STRATHFIELDSAYE

TERRAPEE STREET CROSS SECTIONS (SHEET 5 OF 7)

Municipality & Ref:
CITY OF GREATER BENDIGO
DS/834/2012 & DS/791/2012

SHT 13 of 26 REV A

Drawing No.
1065306R13

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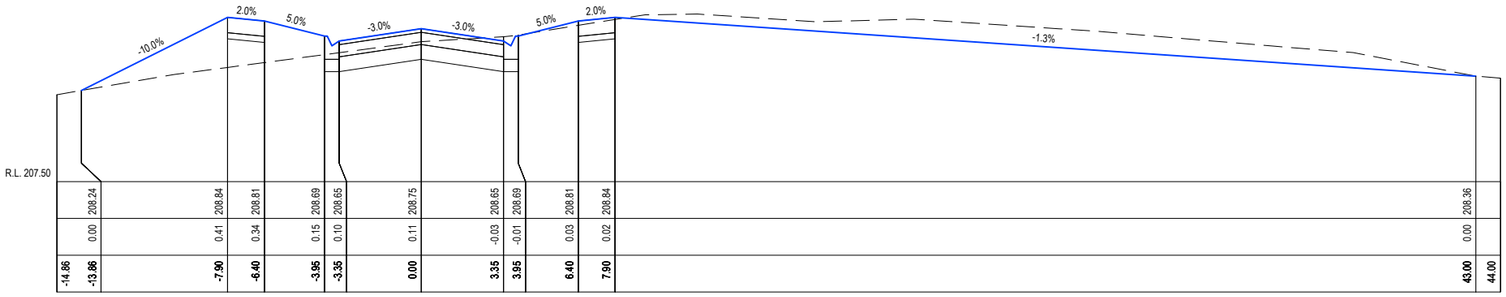
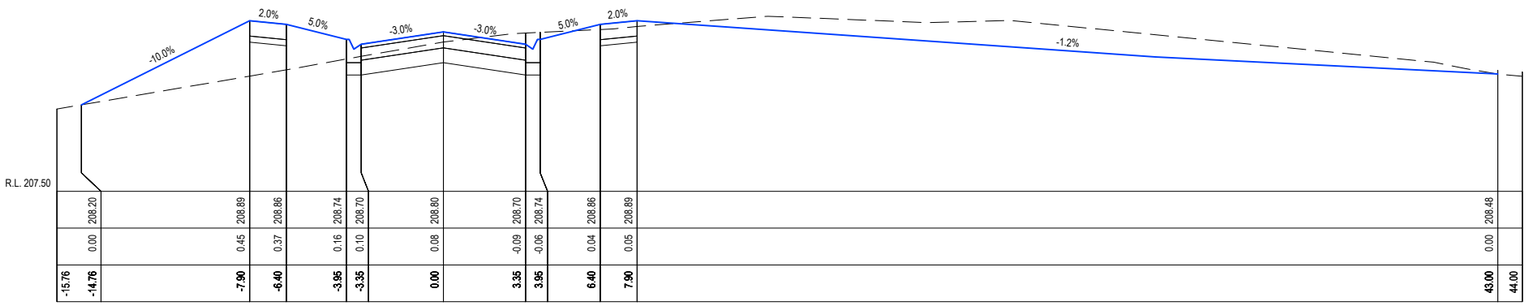
PLOT DATE: 15/01/2016 FILE: F:\JOB DATA\10600-10699\10653 - STRATHFIELDSAYE HOLDINGS - STRATHFIELDSAYE\06ENGINEERING\CIVIL3D\CURRENT DESIGN\1065306 ENG PLANS.DWG



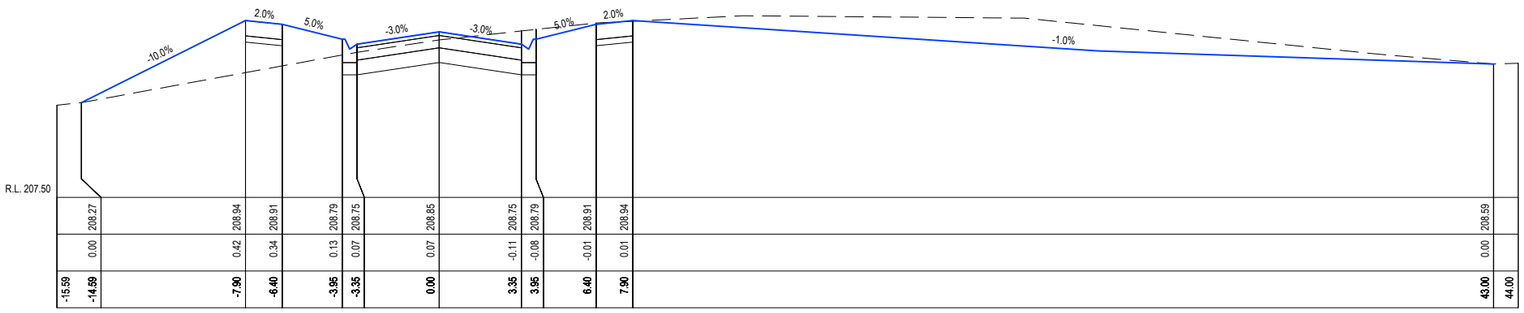
	208.24	208.84	208.81	208.69	208.65	208.75	208.65	208.69	208.81	208.84	208.36	
	0.00	0.41	0.34	0.15	0.10	0.11	-0.03	-0.01	0.03	0.02	0.00	
-14.86	**-13.86**	**-7.90**	**-6.40**	**-3.95**	**-3.35**	**0.00**	**3.35**	**3.95**	**6.40**	**7.90**	**43.00**	**44.00**

CH 230.00
TERRAPEE STREET



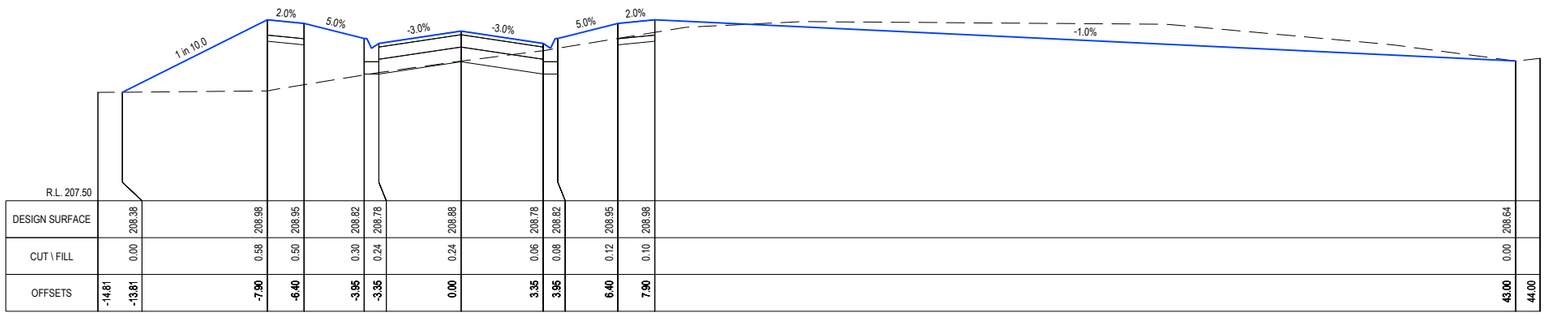
	208.20	208.89	208.86	208.74	208.70	208.80	208.70	208.74	208.86	208.89	208.48	
	0.00	0.45	0.37	0.16	0.10	0.08	-0.09	-0.06	0.04	0.05	0.00	
-15.76	**-14.76**	**-7.90**	**-6.40**	**-3.95**	**-3.35**	**0.00**	**3.35**	**3.95**	**6.40**	**7.90**	**43.00**	**44.00**

CH 220.00
TERRAPEE STREET



	208.27	208.94	208.91	208.79	208.75	208.85	208.75	208.79	208.91	208.94	208.59	
	0.00	0.42	0.34	0.13	0.07	0.07	-0.11	-0.08	-0.01	0.01	0.00	
-15.59	**-14.59**	**-7.90**	**-6.40**	**-3.95**	**-3.35**	**0.00**	**3.35**	**3.95**	**6.40**	**7.90**	**43.00**	**44.00**

CH 210.00
TERRAPEE STREET



DESIGN SURFACE	208.38	208.98	208.95	208.82	208.78	208.88	208.78	208.82	208.95	208.98	208.64	
CUT \ FILL	0.00	0.58	0.50	0.30	0.24	0.24	0.06	0.08	0.12	0.10	0.00	
OFFSETS	**-14.81**	**-13.81**	**-7.90**	**-6.40**	**-3.95**	**-3.35**	**0.00**	**3.35**	**3.95**	**6.40**	**7.90**	**43.00**	**44.00**

CH 200.00
TERRAPEE STREET

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REV	REVISION	DES	DWG	CHK	DATE
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PO BOX 421, BENDIGO 3552 57 MYERS STREET, BENDIGO 3550
WEB: www.tomkinson.com EMAIL: bendigo@tomkinson.com

Principal STRATHFIELDSAYE HOLDINGS PTY LTD

SCALE H 1:250 V 1:50
2.5 0 2.5 5 7.5 10 12.5
LENGTHS ARE IN METRES - PAPER SIZE A3

Municipality & Ref: CITY OF GREATER BENDIGO
DS/834/2012 & DS/791/2012

"IMAGINE" ESTATE - STAGE 6

JUMBUCK LANE - STRATHFIELDSAYE

TERRAPEE STREET CROSS SECTIONS (SHEET 6 OF 7)

SHT 14 of 26 REV A

Drawing No. 1065306R14

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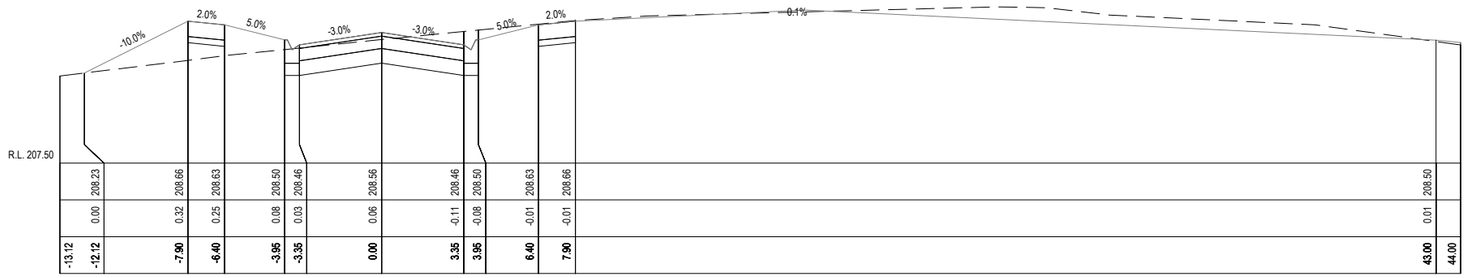
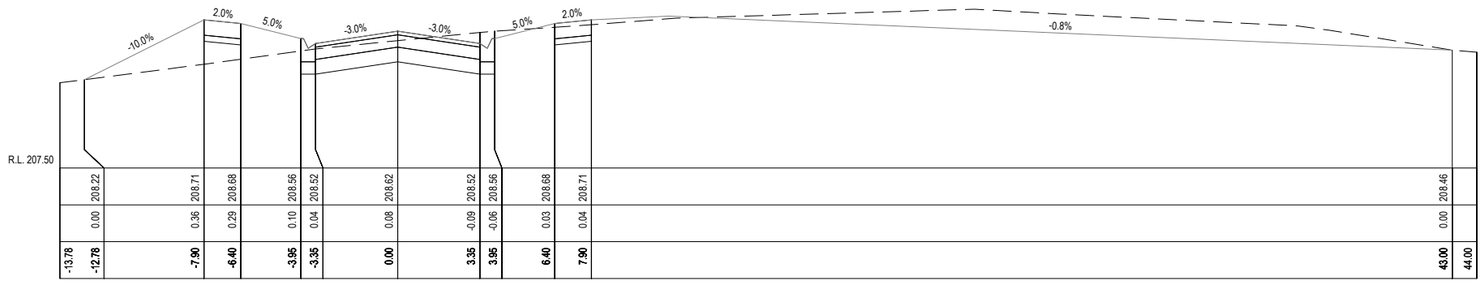
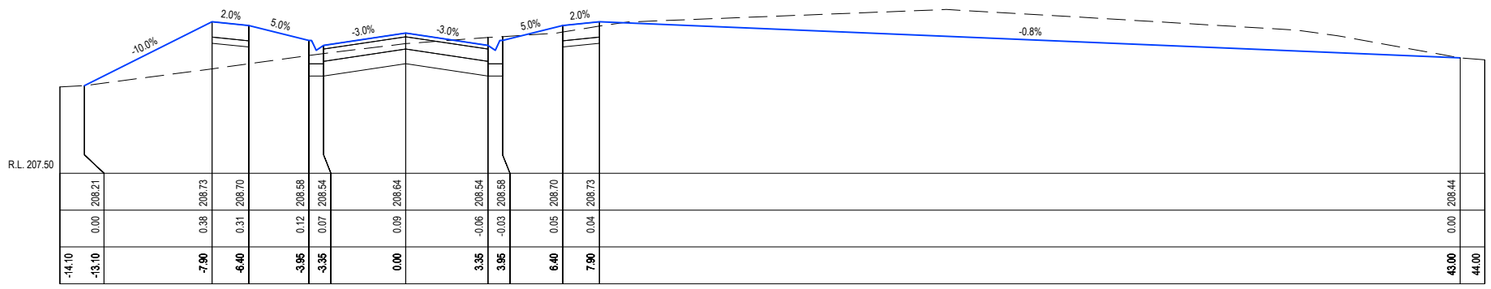
PLOT DATE: 15/01/2016 FILE: F:\JOB DATA\10600-10699\10653 - STRATHFIELDSAYE HOLDINGS - STRATHFIELDSAYE\06ENGINEERING\CIVIL3D\CURRENT DESIGN\1065306 ENG PLANS.DWG



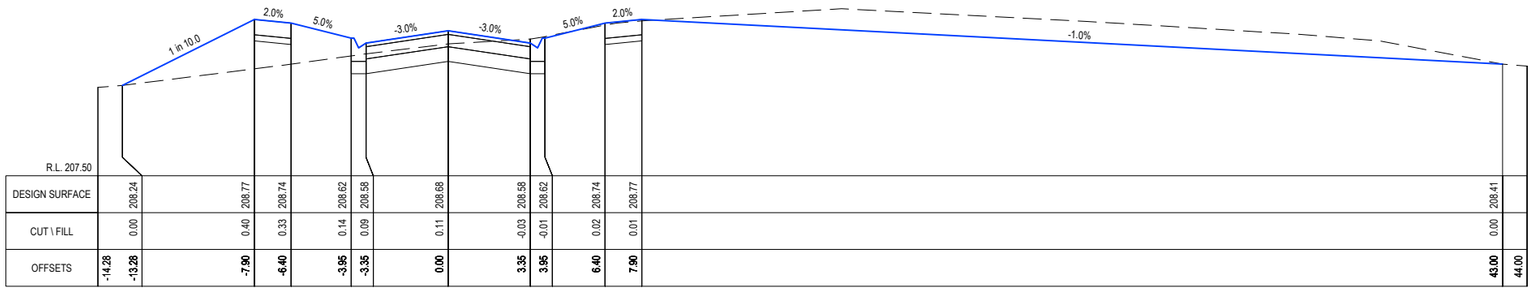
CH 257.78 - FUTURE
TERRAPEE STREET



CH 250.00 - FUTURE
TERRAPEE STREET



CH 245.97
TERRAPEE STREET



CH 240.00
TERRAPEE STREET

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REV	REVISION	DES	DWG	CHK	DATE
A	AS SUBMITTED TO COUNCIL	NJB	NJB	RK	15/01/16

tomkinson Group
PROJECT MANAGERS DEVELOPMENT PLANNERS
LICENSED SURVEYORS CIVIL ENGINEERS
ISO 9001:2008 FS520488
FREECALL: 1800 810 170 TEL: (03) 5445 8700 FAX: (03) 5441 3648
PO BOX 421, BENDIGO 3552 57 MYERS STREET, BENDIGO 3550
WEB: www.tomkinson.com EMAIL: bendigo@tomkinson.com

Principal STRATHFIELDSAYE HOLDINGS PTY LTD

SCALE H 1:250 V 1:50
2.5 0 2.5 5 7.5 10 12.5
LENGTHS ARE IN METRES - PAPER SIZE A3

"IMAGINE" ESTATE - STAGE 6

JUMBUCK LANE - STRATHFIELDSAYE

TERRAPEE STREET CROSS SECTIONS (SHEET 7 OF 7)

Municipality & Ref:
CITY OF GREATER BENDIGO
DS/834/2012 & DS/791/2012

SHT 15 of 26 REV A

Drawing No.
1065306R15

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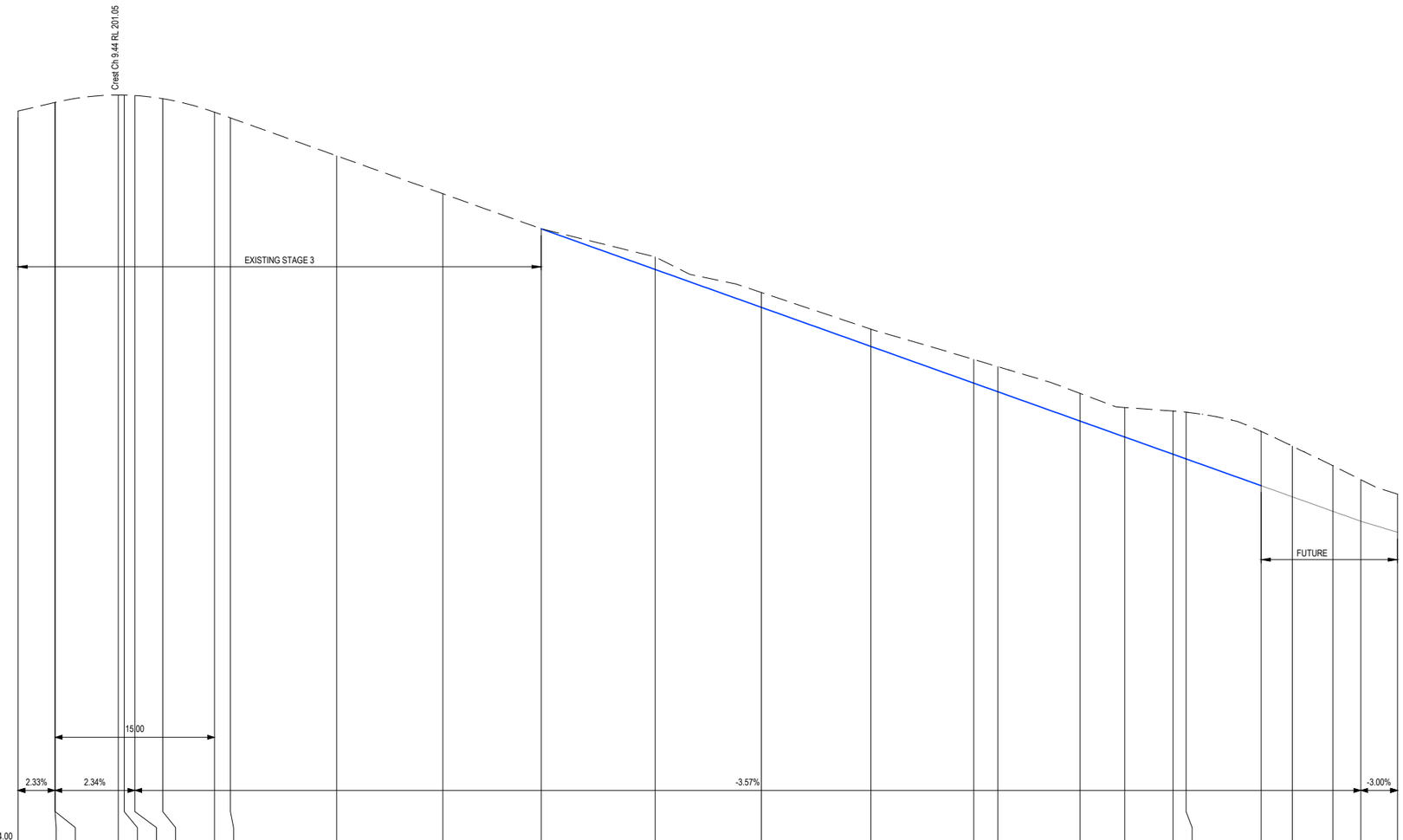
PLOT DATE: 15/01/2016 FILE: F:\JOB DATA\10600-10699\10653 - STRATHFIELDSAYE HOLDINGS - STRATHFIELDSAYE\006ENGINEERING\CIVIL3D\CURRENT DESIGN\1065306 ENG PLANS.DWG



CHAINAGE	DESIGN C.L.	NATURAL SURFACE
0.00	200.89	**200.89**
3.48	200.98	201.08
3.50	200.98	201.08
9.44	201.05	201.19
10.00	201.04	201.21
11.00	201.04	201.21
13.63	201.01	201.17
18.50	200.88	201.06
20.00	200.83	201.01
30.00	200.47	200.67
40.00	200.12	200.32
49.27	199.79	**200.02**
60.00	199.40	199.52
70.00	199.05	199.19
80.32	198.68	198.84
90.00	198.33	198.56
92.27	198.25	198.49
100.00	197.98	198.24
104.22	197.83	198.10
108.77	197.66	**198.07**
110.00	197.62	198.06
117.06	197.37	197.88
120.00	197.26	197.74
123.82	197.13	**197.56**
126.45	197.03	197.42
129.90	196.93	**197.29**

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REV	REVISION	DES	DWG	CHK	DATE
A	AS SUBMITTED TO COUNCIL	NJB	NJB	RK	15/01/16

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WEB: www.tomkinson.com EMAIL: bendigo@tomkinson.com

Principal STRATHFIELDSAYE HOLDINGS PTY LTD

SCALE H 1:500 V 1:50
5 0 5 10 15 20 25
LENGTHS ARE IN METRES - PAPER SIZE A3

"IMAGINE" ESTATE - STAGE 6

JUMBUCK LANE - STRATHFIELDSAYE

JUMBUCK LANE LONG SECTION

Municipality & Ref:
CITY OF GREATER BENDIGO
DS/834/2012 & DS/791/2012

SHT 16 of 26 REV A

Drawing No.
1065306R16

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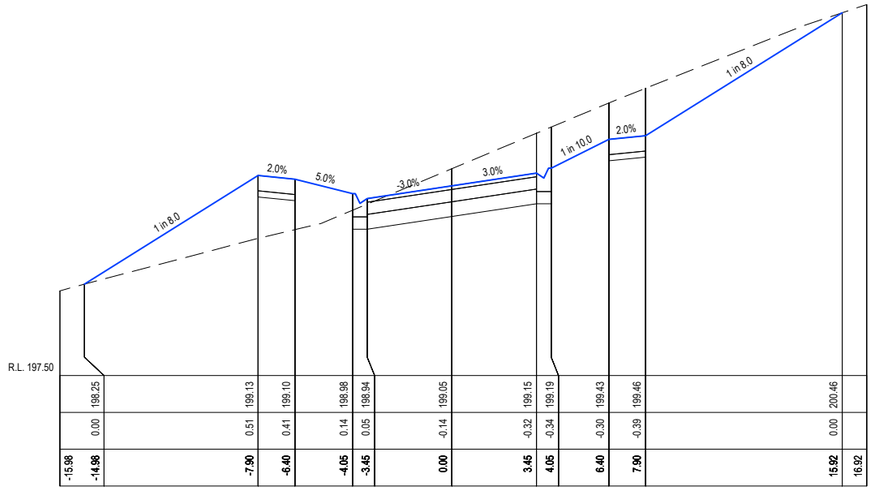
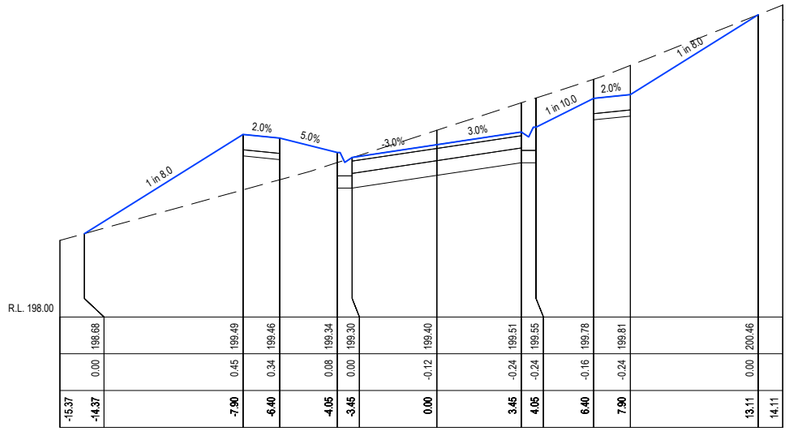
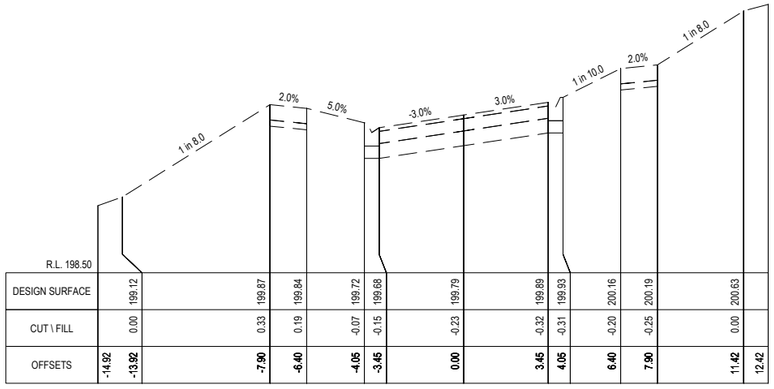


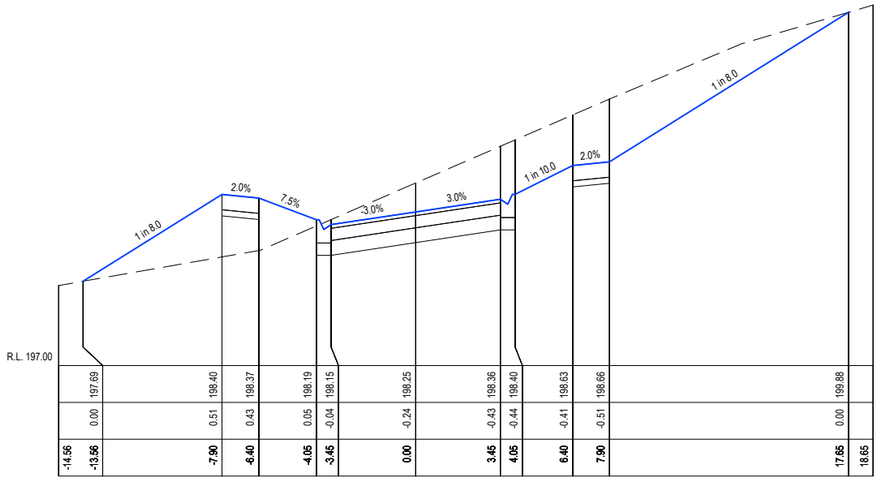
CH 70.00
JUMBUCK LANE



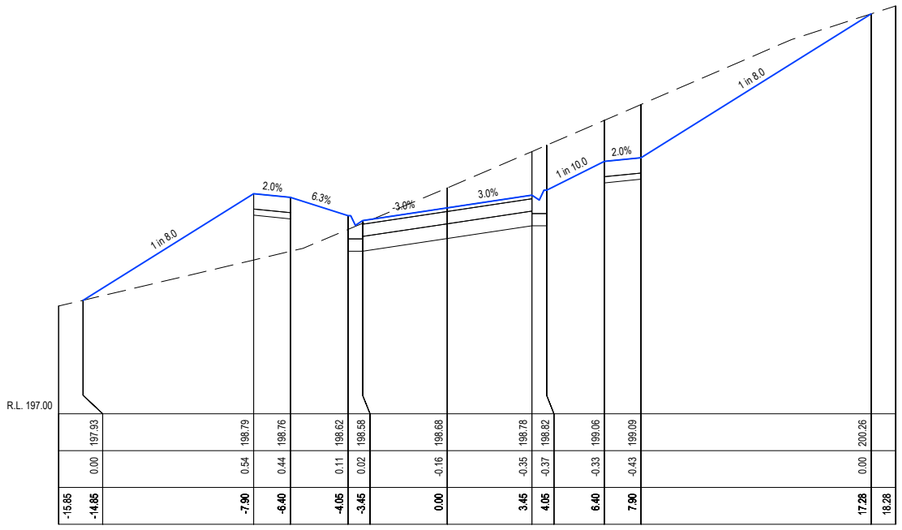
CH 60.00
JUMBUCK LANE



CH 49.27
JUMBUCK LANE



CH 92.27
JUMBUCK LANE



CH 80.32
JUMBUCK LANE

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ISO 9001:2008 FS520488

Principal STRATHFIELDSAYE HOLDINGS PTY LTD

SCALE H 1:250 V 1:50
2.5 0 2.5 5 7.5 10 12.5
LENGTHS ARE IN METRES - PAPER SIZE A3

"IMAGINE" ESTATE - STAGE 6

JUMBUCK LANE - STRATHFIELDSAYE

JUMBUCK LANE CROSS SECTIONS (SHEET 1 OF 2)

Municipality & Ref:
CITY OF GREATER BENDIGO
DS/834/2012 & DS/791/2012

SHT 17 of 26 REV A

Drawing No.
1065306R17

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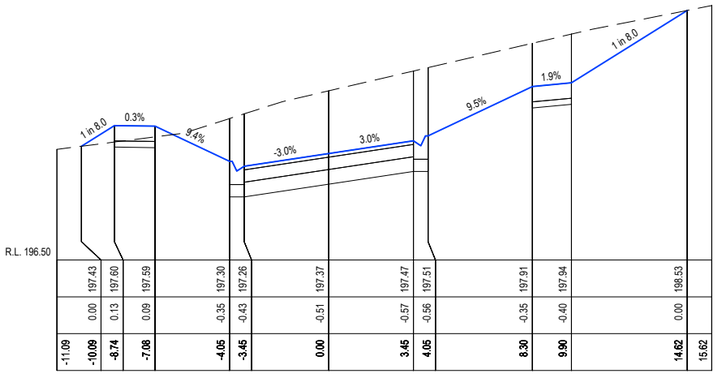
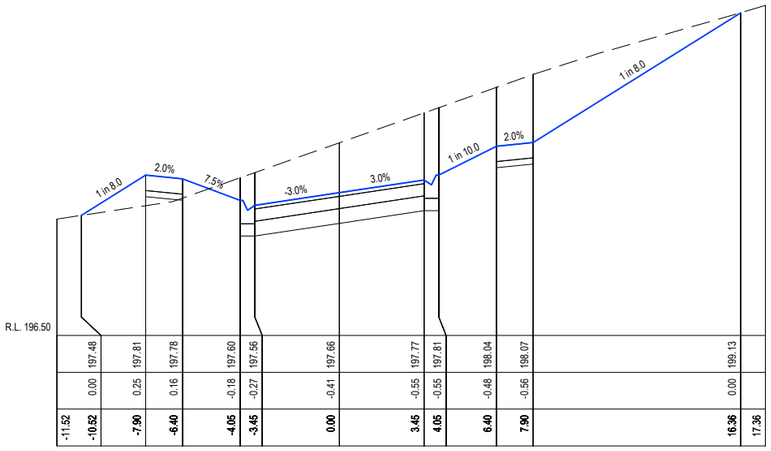


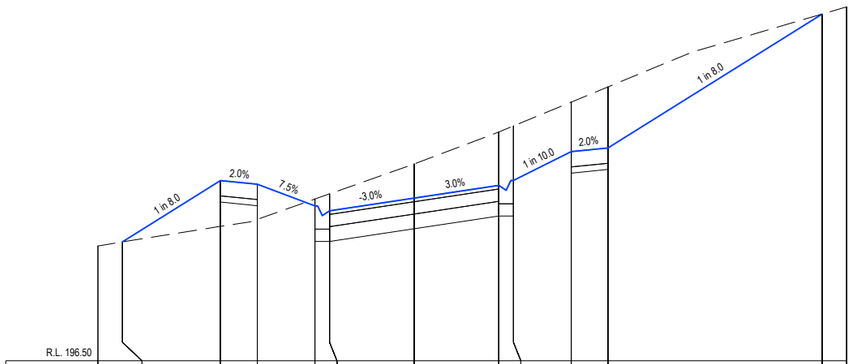
-11.09	-10.09	-8.74	-7.08	-4.05	-3.45	0.00	3.45	4.05	8.30	9.90	14.62	15.62
	0.00	0.13	0.09	-0.35	-0.43	-0.51	-0.57	-0.56	-0.35	-0.40	0.00	
	197.43	197.60	197.59	197.30	197.26	197.37	197.47	197.51	197.91	197.94	198.53	

CH 117.06
JUMBUCK LANE



-11.52	-10.52	-7.90	-6.40	-4.05	-3.45	0.00	3.45	4.05	6.40	7.90	16.36	17.36
	0.00	0.25	0.16	-0.18	-0.27	-0.41	-0.55	-0.55	-0.48	-0.56	0.00	
	197.48	197.81	197.78	197.60	197.56	197.66	197.77	197.81	198.04	198.07	199.13	

CH 108.77
JUMBUCK LANE



OFFSETS	-12.90	-11.90	-7.90	-6.40	-4.05	-3.45	0.00	3.45	4.05	6.40	7.90	16.63	17.63
CUT \ FILL		0.00	0.37	0.29	-0.06	-0.14	-0.28	-0.44	-0.44	-0.40	-0.50	0.00	
DESIGN SURFACE		197.47	197.97	197.94	197.76	197.72	197.83	197.93	197.97	198.20	198.23	199.33	

CH 104.22
JUMBUCK LANE

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ISO 9001:2008 FS520488

Principal STRATHFIELDSAYE HOLDINGS PTY LTD

SCALE H 1:250 V 1:50
2.5 0 2.5 5 7.5 10 12.5
LENGTHS ARE IN METRES - PAPER SIZE A3

"IMAGINE" ESTATE - STAGE 6

JUMBUCK LANE - STRATHFIELDSAYE

JUMBUCK LANE CROSS SECTIONS (SHEET 2 OF 2)

Municipality & Ref:
CITY OF GREATER BENDIGO
DS/834/2012 & DS/791/2012

SHT 18 of 26 REV A

Drawing No.
1065306R18

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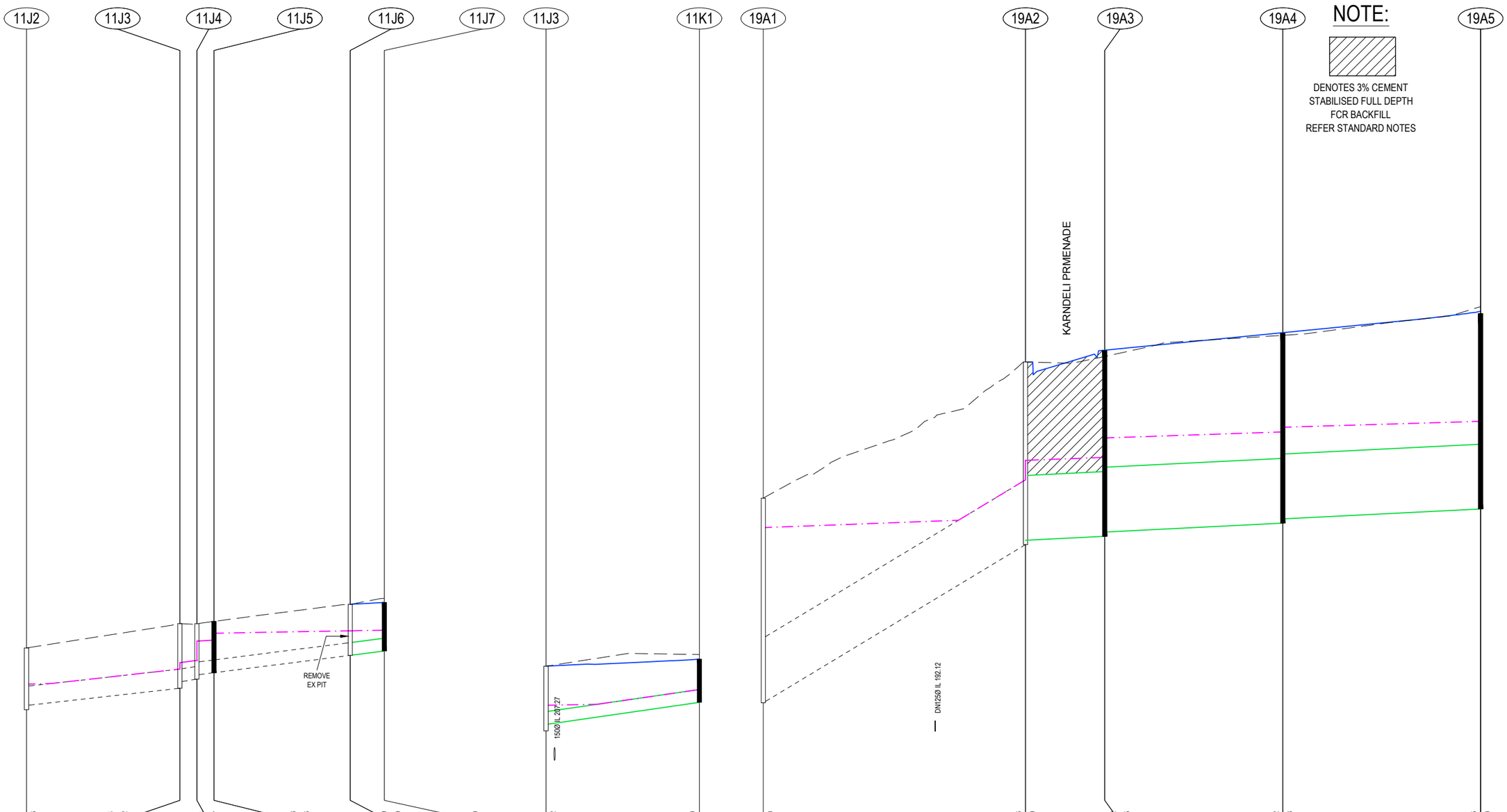
PLOT DATE: 15/01/2016 FILE: F:\JOB DATA\10600-10699\10653 - STRATHFIELDSAYE HOLDINGS - STRATHFIELDSAYE\006\ENGINEERING\CIVIL3D\CURRENT DESIGN\1065306 ENG PLANS.DWG



H.G.L.	207.66		207.84	207.92		207.94	208.17		208.18	208.26		208.29	208.29		208.30	207.92		208.10	194.50		195.06	195.29		195.32	195.55		195.62	195.68		195.75	195.80
FLOW (l/s)	34.2			25.7			17.1			8.8			8.8			8.9			784.3			781.7			743.7			696.6			
CAPACITY (l/s)	68.8			28.4			25.2			25.2			25.2			26.9			3149.7			902.2			902.2			901.8			
PART VELOCITY (m/s)	1.7			1.8			1.5			1.3			1.3			1.4			5.3			2.0			2.0			2.0			
PIPE DETAILS	EX 225Ø PVC			EX 150Ø PVC			EX 150Ø PVC			EX 150Ø PVC			150Ø PVC			150Ø PVC			EX 750Ø CL2 FJ			750Ø CL2 FJ			750Ø CL2 FJ			750Ø CL2 FJ			
PIPE GRADE (SLOPE)	1:89.1 (1.12%)			1:62.5 (1.60%)			1:78.6 (1.27%)			1:78.6 (1.27%)			1:78.6 (1.27%)			1:69.2 (1.44%)			1:16.6 (6.03%)			1:200.0 (0.50%)			1:200.0 (0.50%)			1:200.2 (0.50%)			
DATUM RL 205																RL 205.5			RL 190												
DEPTH TO INVERT	0.67		0.76	0.68		0.65	0.60		0.60			0.60			0.57	0.68		0.51	2.40		2.14	2.09		2.18	2.13		2.23	2.18		2.29	2.24
INVERT LEVEL	207.41		207.62	207.69		207.72	207.77		207.80			208.00			208.05	207.69		207.95	192.45		194.30	194.35		194.40	194.45		194.55	194.60		194.72	194.77
DESIGN SURFACE	208.09		208.37			208.37			208.40			208.60			208.62	208.37		208.46	194.85		196.44			196.58			196.78			197.01	
CHAINAGE	36.22	18.00	54.22		2.00	56.22		2.00	58.21		16.00	74.22		4.00	78.22	0.00	18.00	18.00	0.00	30.78	30.78		9.30	40.08		20.90	60.98		23.22	84.20	

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Principal STRATHFIELDSAYE HOLDINGS PTY LTD

SCALE H 1:500 V 1:50
5 0 5 10 15 20 25
LENGTHS ARE IN METRES - PAPER SIZE A3

"IMAGINE" ESTATE - STAGE 6

JUMBUCK LANE - STRATHFIELDSAYE

DRAINAGE LONG SECTIONS (SHEET 1 OF 8)

Municipality & Ref:
CITY OF GREATER BENDIGO
DS/834/2012 & DS/791/2012

SHT 19 of 26 REV A

Drawing No.
1065306R19

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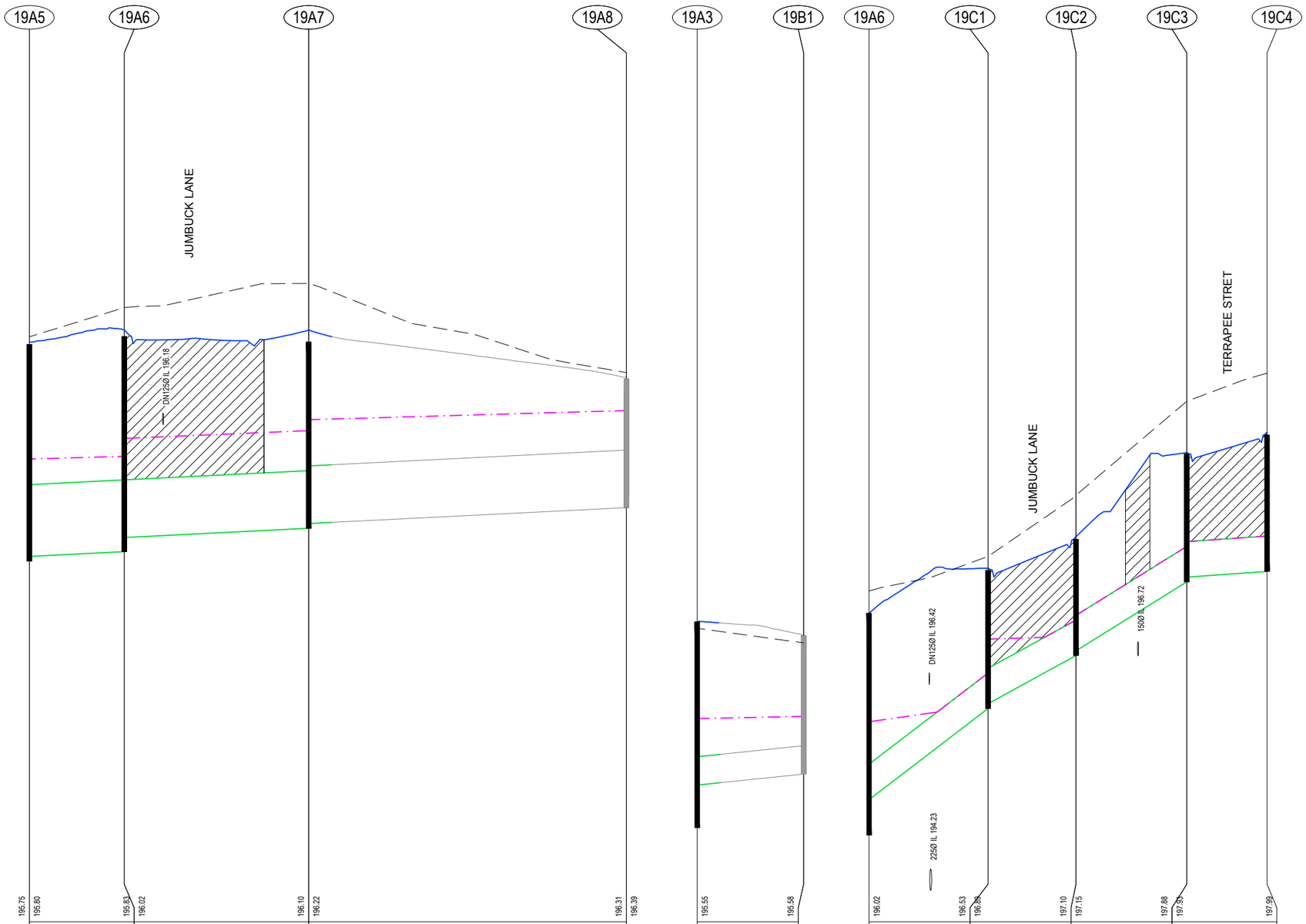
PLOT DATE: 15/01/2016 FILE: F:\JOB DATA\10600-10699\10653 - STRATHFIELDSAYE HOLDINGS - STRATHFIELDSAYE\06ENGINEERING\CIVIL3D\CURRENT DESIGN\1065306 ENG PLANS.DWG



NOTE:

DENOTES 3% CEMENT STABILISED FULL DEPTH FCR BACKFILL REFER STANDARD NOTES

	19A5	19A6	19A7	19A8	19A3	19B1	19A6	19C1	19C2	19C3	19C4
H.G.L.	195.75	195.80 / 195.83	196.02 / 196.10	196.22 / 196.31	196.39	195.55 / 195.58	196.02 / 196.53	196.88 / 197.10	197.15 / 197.88	197.94 / 197.99	
FLOW (l/s)		690.6	463.9	384.1		50.6	239.1	117.0	109.1	100.9	
CAPACITY (l/s)		902.2	506.6	506.6		113.1	555.9	470.2	500.7	167.6	
PART VELOCITY (m/s)		2.0	1.6	1.7		1.4	4.4	3.2	3.3	1.4	
PIPE DETAILS		750Ø CL2 FJ	600Ø CL2 FJ	FUTURE 600Ø CL2 FJ		FUTURE 300Ø CL2 FJ	375Ø CL2 FJ	375Ø CL2 FJ	375Ø CL2 FJ	375Ø CL2 FJ	
PIPE GRADE (SLOPE)		1:200.0 (0.50%)	1:200.0 (0.50%)	1:200.0 (0.50%)		1:96.3 (1.04%)	1:13.1 (7.66%)	1:18.2 (5.49%)	1:16.1 (6.22%)	1:141.7 (0.71%)	
DATUM RL 190						RL 192.5	RL 193				
DEPTH TO INVERT	2.29	2.24 / 2.28	2.13 / 2.03	1.98 / 1.30	1.23	1.73 / 1.46	1.90 / 1.46	1.41 / 1.23	1.18 / 1.35	1.30 / 1.44	
INVERT LEVEL	194.72	194.77 / 194.82	194.97 / 195.07	195.12 / 195.29	195.36	194.85 / 194.97	195.19 / 196.16	196.21 / 196.72	196.77 / 197.50	197.55 / 197.61	
DESIGN SURFACE	197.01	197.10	197.10	196.59		196.58 / 196.43	197.10 / 197.62	197.95	198.85	199.05	
CHAINAGE	84.20	10.05 / 94.25	19.54 / 113.79	33.65 / 147.43		0.00 / 11.27 / 11.27	0.00 / 12.60 / 12.60	9.31 / 21.91	11.74 / 33.65	8.50 / 42.15	

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Principal STRATHFIELDSAYE HOLDINGS PTY LTD

SCALE H 1:500 V 1:50
5 0 5 10 15 20 25
LENGTHS ARE IN METRES - PAPER SIZE A3

"IMAGINE" ESTATE - STAGE 6

JUMBUCK LANE - STRATHFIELDSAYE

DRAINAGE LONG SECTIONS (SHEET 2 OF 8)

Municipality & Ref: CITY OF GREATER BENDIGO
DS/834/2012 & DS/791/2012

SHT 20 of 26 REV A

Drawing No. 1065306R20

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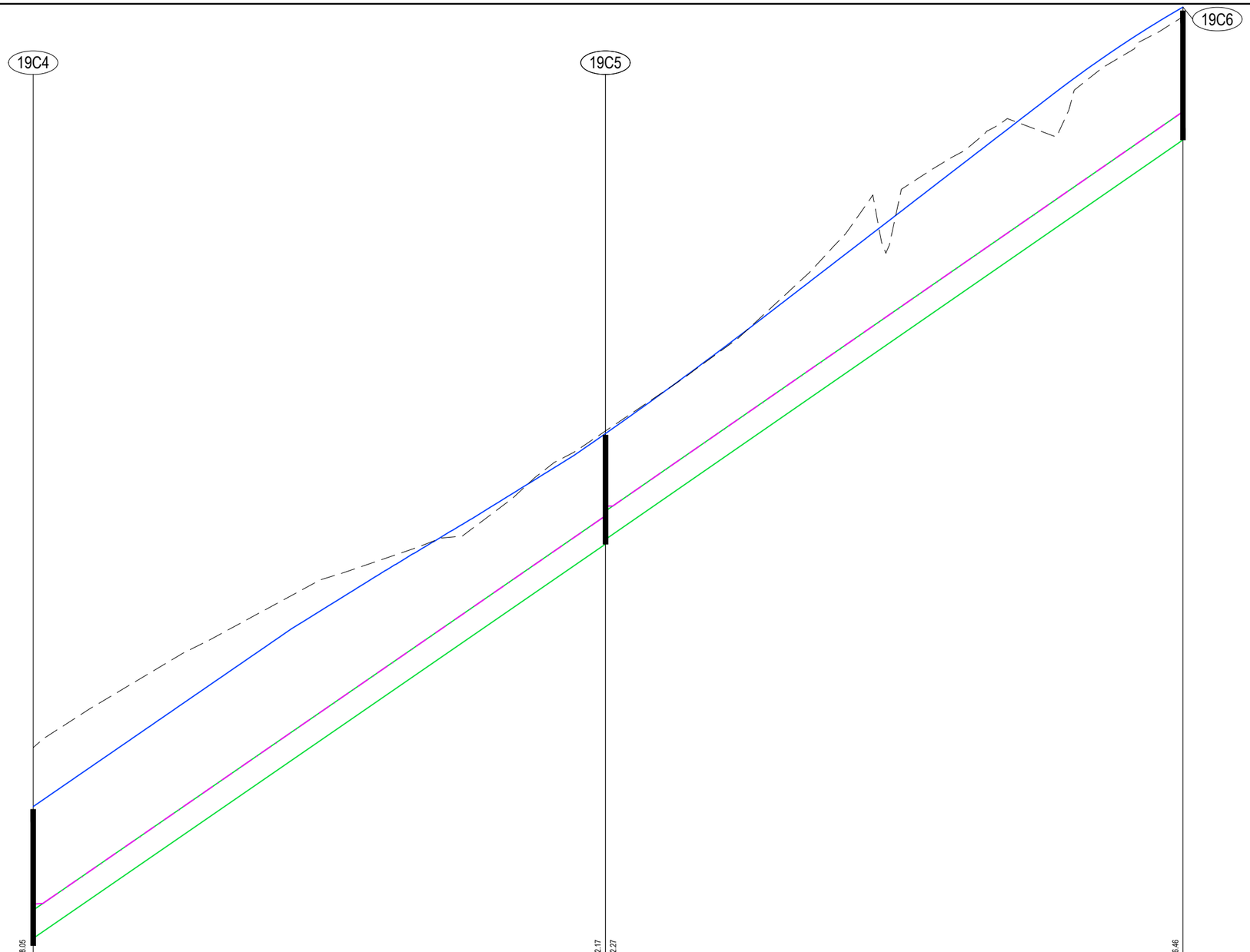

NOTE:

DENOTES 3% CEMENT
STABILISED FULL DEPTH
FCR BACKFILL
REFER STANDARD NOTES

H.G.L.	198.05		202.17	202.27	206.46
FLOW (l/s)		87.9		49.9	
CAPACITY (l/s)		292.9		293.5	
PART VELOCITY (m/s)		3.3		2.8	
PIPE DETAILS		300Ø CL2 FJ		300Ø CL2 FJ	
PIPE GRADE (SLOPE)		1:14.5 (6.89%)		1:14.5 (6.92%)	
DATUM RL 196.5					
DEPTH TO INVERT	1.37		1.15	1.10	1.37
INVERT LEVEL	197.69		201.87	201.92	206.16
DESIGN SURFACE	199.05		203.02		207.52
CHAINAGE	42.15	60.71	102.87	61.27	164.13

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Principal STRATHFIELDSAYE HOLDINGS PTY LTD

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5 0 5 10 15 20 25
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Municipality & Ref: CITY OF GREATER BENDIGO
DS/834/2012 & DS/791/2012

"IMAGINE" ESTATE - STAGE 6

JUMBUCK LANE - STRATHFIELDSAYE

DRAINAGE LONG SECTIONS (SHEET 3 OF 8)

SHT 21 of 26 REV A

Drawing No. 1065306R21

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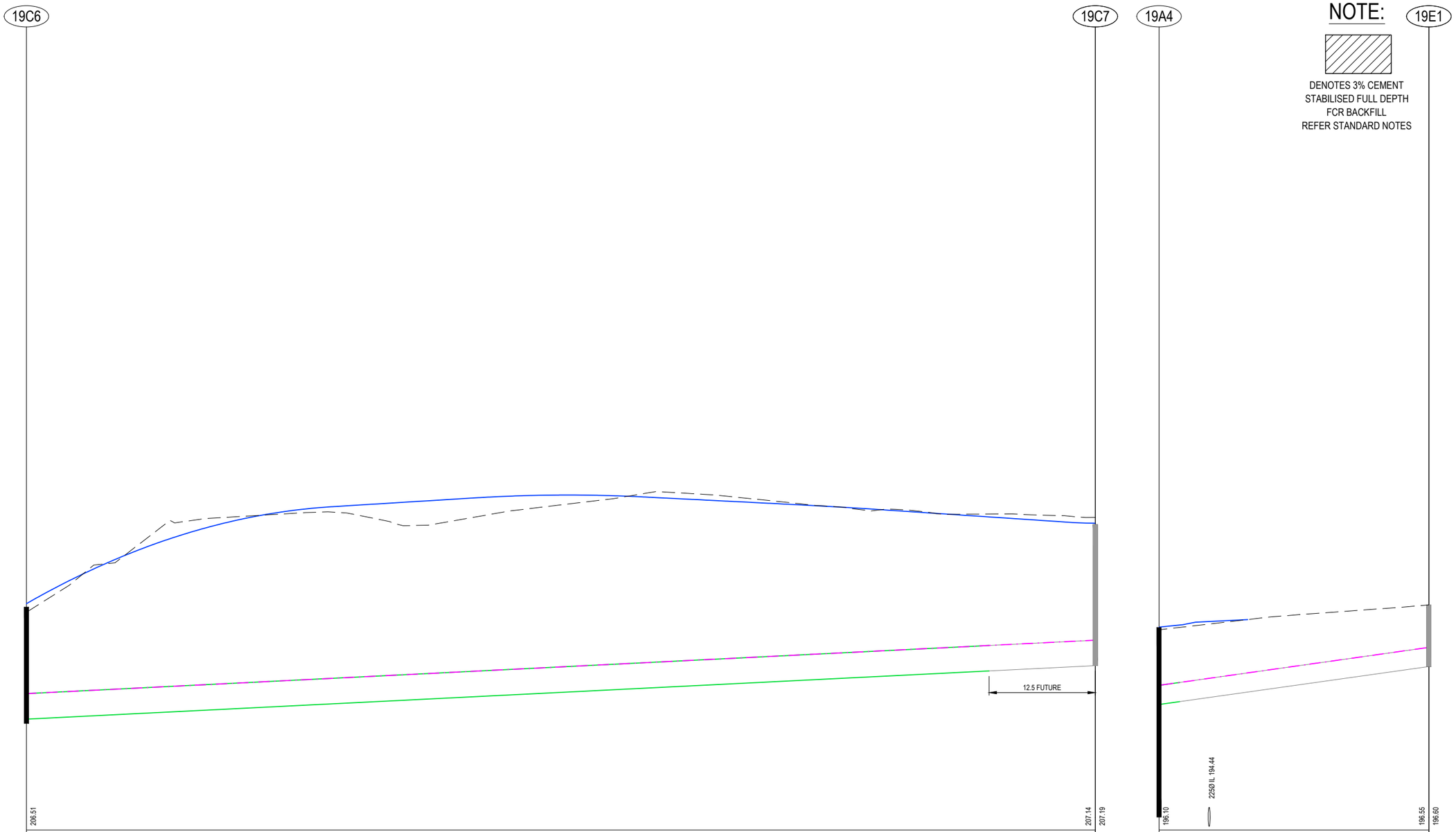
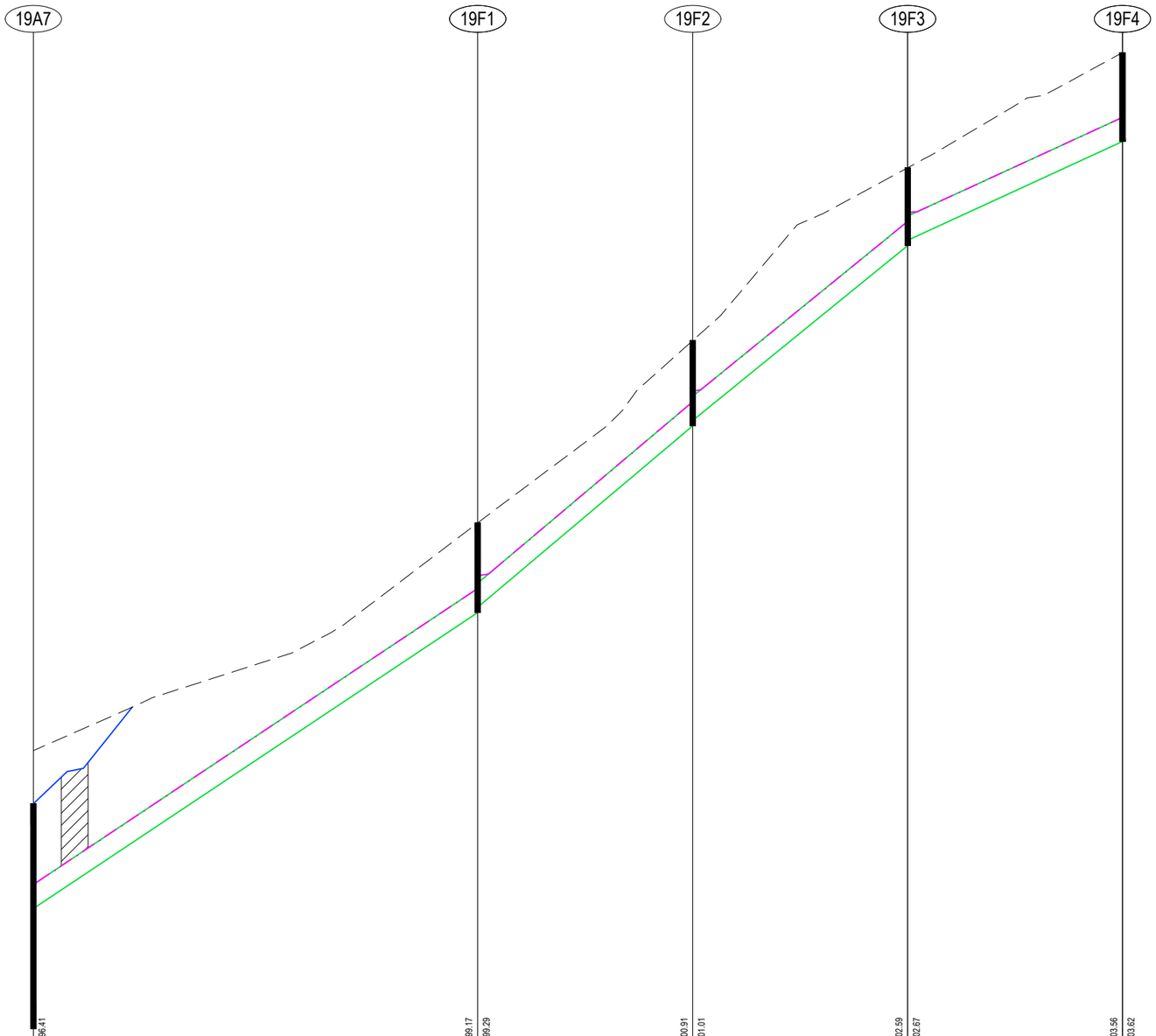


NOTE:

DENOTES 3% CEMENT STABILISED FULL DEPTH FCR BACKFILL REFER STANDARD NOTES

| | | |



NOTE:

DENOTES 3% CEMENT
STABILISED FULL DEPTH
FCR BACKFILL
REFER STANDARD NOTES

H.G.L.	196.41						199.17	199.29					200.91	201.01				202.59	202.67					203.56	203.62
FLOW (l/s)				86.2						78.9					71.5					63.8				
CAPACITY (l/s)			193.99	173.2						195.5					191.9					143.1				
PART VELOCITY (m/s)				4.2						4.5					4.4					3.4				
PIPE DETAILS			225Ø IL	225Ø PVC						225Ø PVC					225Ø PVC					225Ø PVC				
PIPE GRADE (SLOPE)				1:15.0 (6.66%)						1:11.9 (8.43%)					1:12.3 (8.13%)					1:21.8 (4.60%)				
DATUM RL 194																									
DEPTH TO INVERT	0.85						0.84	0.79					0.80	0.75				0.72	0.67					0.83	0.78
INVERT LEVEL	196.19						198.94	198.99					200.68	200.73				202.36	202.41					203.33	203.38
DESIGN SURFACE	197.04						199.78						201.48					203.09						204.16	
CHAINAGE	0.00				41.41		41.41				20.04		61.45			20.03		81.48			20.02			101.50	

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"IMAGINE" ESTATE - STAGE 6

JUMBUCK LANE - STRATHFIELDSAYE

DRAINAGE LONG SECTIONS (SHEET 5 OF 8)

Municipality & Ref:
CITY OF GREATER BENDIGO
DS/834/2012 & DS/791/2012

SHT 23 of 26 REV A

Drawing No.
1065306R23

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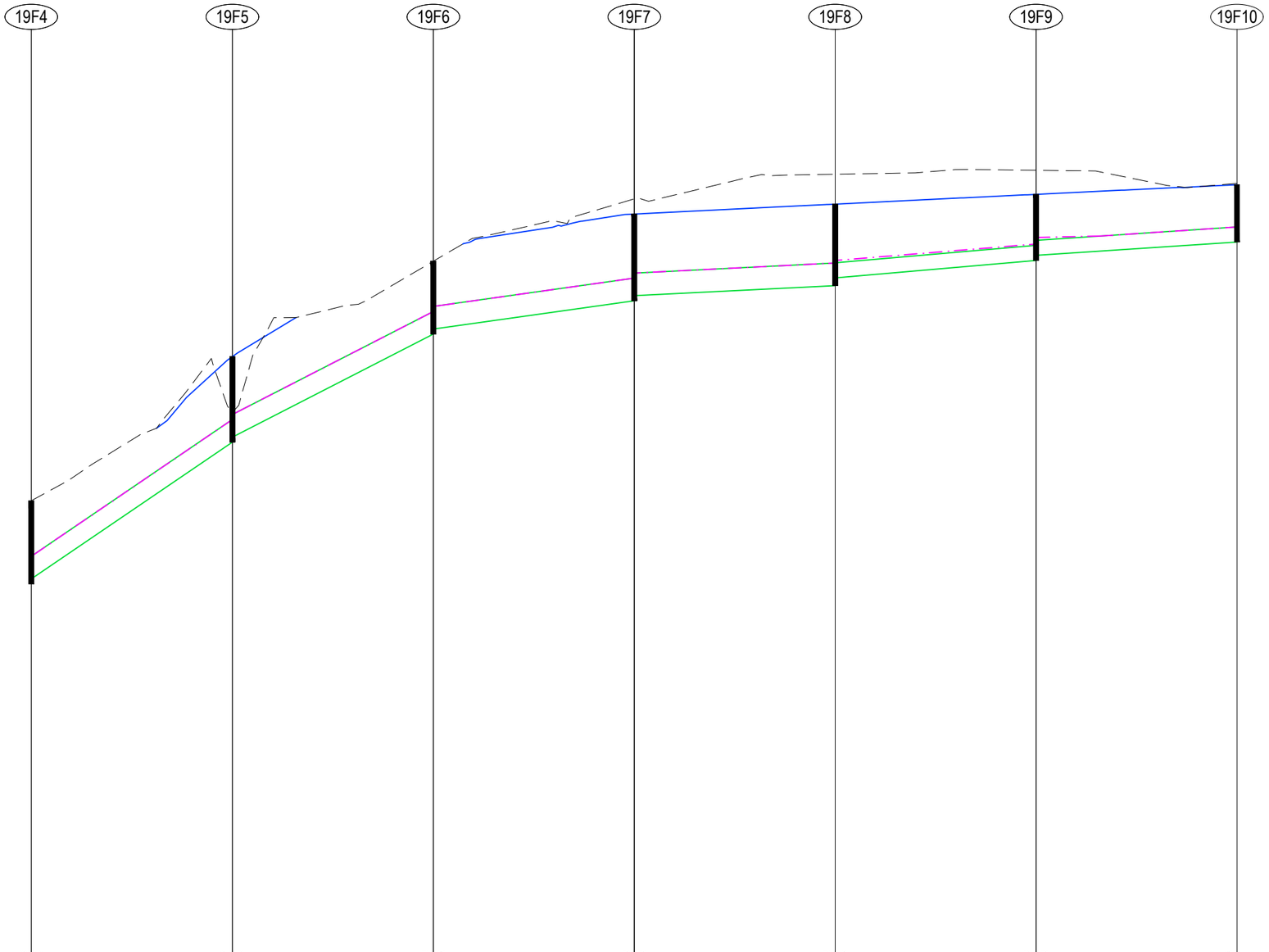

NOTE:

DENOTES 3% CEMENT STABILISED FULL DEPTH FCR BACKFILL REFER STANDARD NOTES

H.G.L.	203.56	203.62		204.97	205.03		206.04	206.10		206.38	206.43		206.53	206.55		206.72	206.78		206.89
FLOW (l/s)			56.0			48.2			38.9			29.6			19.9			10.1	
CAPACITY (l/s)			175.1			151.4			77.5			44.9			20.6			17.8	
PART VELOCITY (m/s)			3.8			3.3			1.9			1.2			1.3			1.0	
PIPE DETAILS			225Ø PVC			225Ø PVC			225Ø PVC			225Ø PVC			150Ø PVC			150Ø PVC	
PIPE GRADE (SLOPE)			1:14.7 (6.80%)			1:19.5 (5.12%)			1:70.9 (1.41%)			1:200.0 (0.50%)			1:114.9 (0.87%)			1:150.4 (0.66%)	
DATUM RL 198.5																			
DEPTH TO INVERT	0.83	0.78		0.85	0.80		0.72	0.67		0.86	0.81		0.81	0.73		0.66	0.61		0.57
INVERT LEVEL	203.33	203.38		204.74	204.79		205.82	205.87		206.15	206.20		206.30	206.38		206.55	206.60		206.74
DESIGN SURFACE		204.16		205.59			206.54			207.01			207.11			207.21			207.30
CHAINAGE		101.50	20.02	121.52		20.01	141.53		20.00	161.53		20.00	181.53		20.00	201.53		20.00	221.53

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Municipality & Ref: CITY OF GREATER BENDIGO
DS/834/2012 & DS/791/2012

SHT 24 of 26 REV A

Drawing No. 1065306R24

"IMAGINE" ESTATE - STAGE 6

JUMBUCK LANE - STRATHFIELDSAYE

DRAINAGE LONG SECTIONS (SHEET 6 OF 8)

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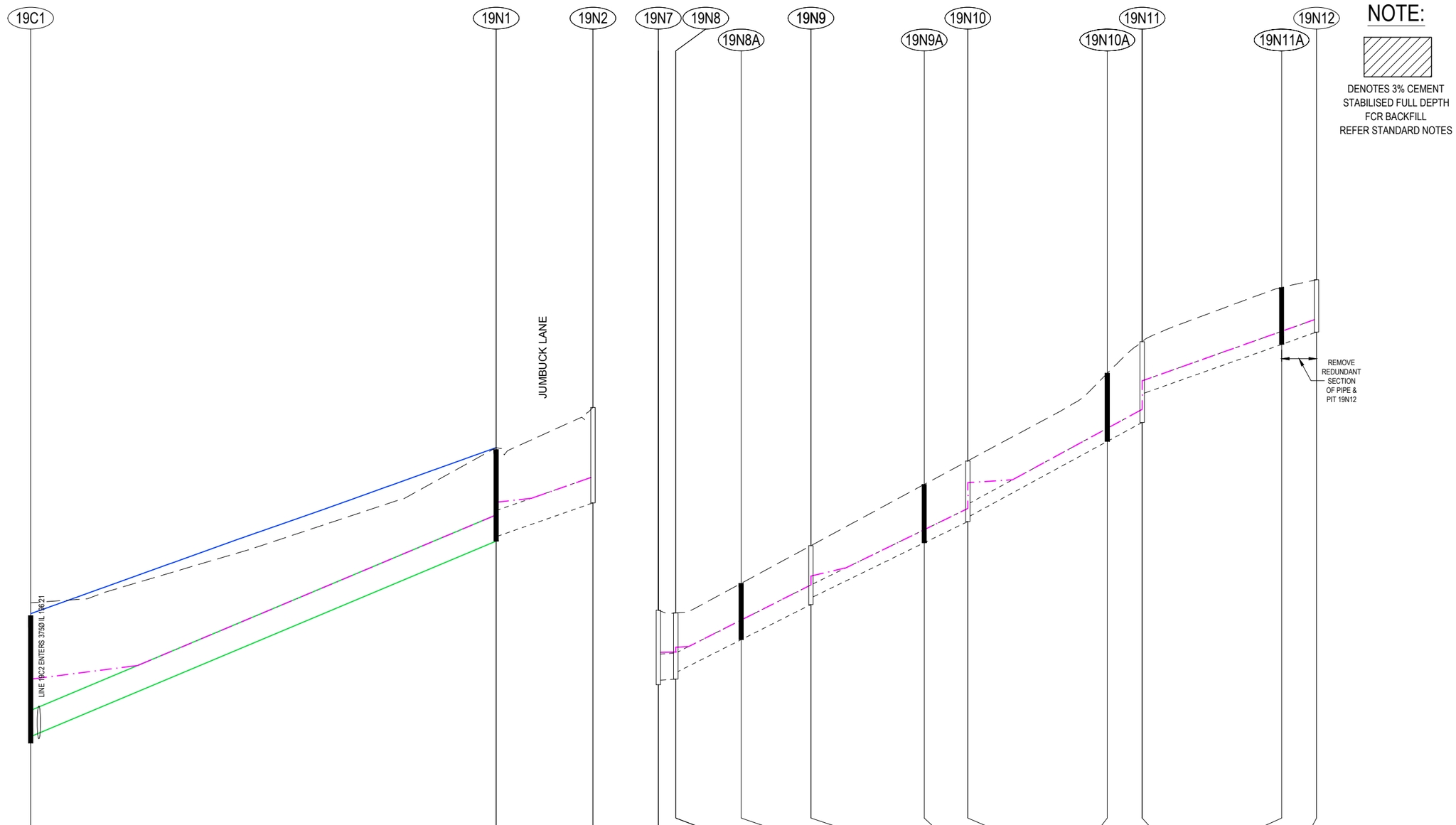

NOTE:

DENOTES 3% CEMENT STABILISED FULL DEPTH FCR BACKFILL REFER STANDARD NOTES

H.G.L.	196.89							198.78	198.92				199.22	199.39	204.13	204.20		204.20	204.26			204.97	205.08			205.65	206.15			206.99	207.32			208.03
FLOW (l/s)	125.7								118.4						59.2				51.3				34.8				17.5				8.8			
CAPACITY (l/s)	228.5								208.3						90.6				150.1				50.8				53.8				43.1			
PART VELOCITY (m/s)	3.0								2.7						1.2				3.3				3.0				2.6				1.9			
PIPE DETAILS	300Ø CL2 FJ								EX 300Ø CL2 FJ						300Ø CL2 FJ				225Ø PVC				150Ø PVC				150Ø PVC				150Ø PVC			
PIPE GRADE (SLOPE)	1:23.8 (4.20%)								1:28.6 (3.49%)						1:149.3 (0.67%)				1:19.8 (5.04%)				1:20.5 (4.87%)				1:18.4 (5.43%)				1:28.2 (3.55%)			
DATUM RL 194															RL 201																			
DEPTH TO INVERT	1.39							1.05	1.00				1.05	1.00	0.85	0.80		0.76	0.69		0.65		0.68	0.60		0.67		0.69	0.64		0.78		0.93	0.60		0.65		0.60
INVERT LEVEL	196.23							198.48	198.53				198.92	198.97	203.83	203.88		203.89	203.97		204.35		204.75	204.82		205.46		205.70	205.75		206.62		206.84	207.17		207.73		207.88
DESIGN SURFACE	197.62							199.53					199.97		204.68			204.65			205.00		205.42			206.13		206.40			207.40		207.77			208.38		208.47
CHAINAGE	0.00							53.40					64.50		154.12		2.00	156.12		7.50	163.62		8.00	171.62		13.00	184.62		5.00	189.62		16.00	205.62		4.00	209.62		16.00	225.62		4.00	229.62

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5 0 5 10 15 20 25
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"IMAGINE" ESTATE - STAGE 6

JUMBUCK LANE - STRATHFIELDSAYE

DRAINAGE LONG SECTIONS (SHEET 7 OF 8)

Municipality & Ref: CITY OF GREATER BENDIGO DS/834/2012 & DS/791/2012

SHT 25 of 26 REV A

Drawing No. 1065306R25

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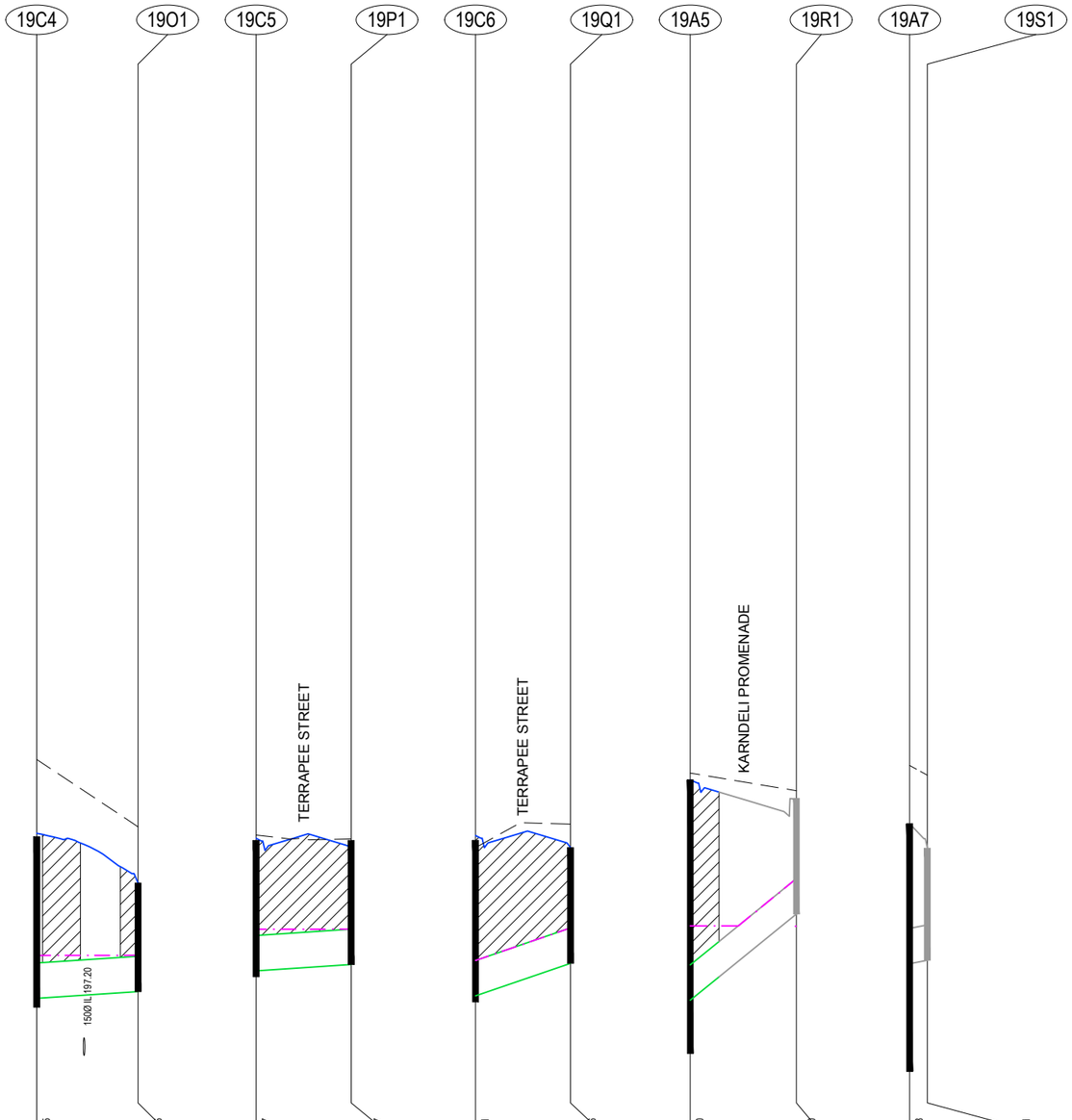

	19C4	19O1	19C5	19P1	19C6	19Q1	19A5	19R1	19A7	19S1
H.G.L.	198.05	198.05	202.27	202.27	206.51	206.76	195.80	196.28	196.28	196.31
FLOW (l/s)	12.0		9.8		8.1		3.2		11.5	
CAPACITY (l/s)	89.9		90.7		206.3		318.1		157.3	
PART VELOCITY (m/s)	0.8		0.8		1.3		1.3		1.2	
PIPE DETAILS	300Ø CL2 FJ		300Ø CL2 FJ		300Ø CL2 FJ		FUTURE 300Ø CL2 FJ		FUTURE 300Ø CL2 FJ	
PIPE GRADE (SLOPE)	1:151.5 (0.66%)		1:149.1 (0.67%)		1:29.2 (3.43%)		1:12.3 (8.12%)		1:50.0 (2.00%)	
DATUM RL 195.5			RL 199.5		RL 204		RL 193		RL 193.5	
DEPTH TO INVERT	1.37	0.92	1.10	0.97	1.32	0.98	1.84	0.98	1.12	0.95
INVERT LEVEL	197.69	197.74	201.92	201.97	206.21	206.48	195.17	195.90	195.98	196.01
DESIGN SURFACE	199.05	198.66	203.02	202.94	207.52	207.46	197.01	196.88	197.10	196.96
CHAINAGE	0.00	8.59	0.00	8.05	0.00	8.05	0.00	9.00	0.00	1.50

NOTE:

DENOTES 3% CEMENT STABILISED FULL DEPTH FCR BACKFILL REFER STANDARD NOTES

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)	
11J3	EX GJP	450x450	225	207.62	150	207.69	0.76	208.37	CONVERT EX GJP TO JP
					150	207.69			
11J4	EX GJP	450x450	150	207.72	150	207.02	0.65	208.37	
11J5	GJP	450x450	150	207.20	90	207.22	1.40	208.60	BREAK NEW PIT INTO EX 150Ø PVC & 'MAKE GOOD'
11J6	EX GJP	450x450	90	207.33			1.29	208.62	REMOVE REDUNDANT PIT
11K1	GJP	450x450	150	207.95			0.51	208.46	
19A2	EX JP	900x600	750	194.30	750	194.35	2.14	196.44	
19A3	JP	900x900	750	194.40	300	194.85	2.18	196.58	CONSTRUCT AS JP IN THIS STAGE - TO BE CONVERTED TO JP + GJP IN KERB AS PER IDM SD 480 IN FUTURE
					750	194.45			
19A4	JP	900x900	750	194.55	750	194.60	2.23	196.78	
					225	195.88			
19A5	JP	900x900	750	194.72	750	194.77	2.29	197.01	CONSTRUCT AS JP IN THIS STAGE - TO BE CONVERTED TO JP + GJP IN KERB AS PER IDM SD 480 IN FUTURE
					300	195.17			
19A6	JP	900x900	750	194.82	600	194.97	2.28	197.10	
					375	195.19			
19A7	JP	900x900	600	195.07	600	195.12	2.03	197.10	CONSTRUCT AS JP IN THIS STAGE - TO BE CONVERTED TO MODIFIED JP + GJP IN KERB AS PER IDM SD 480 IN FUTURE
					300	195.98			
					225	196.19			
19C1	SEP	900x600	375	196.16	375	196.21	1.46	197.62	
					300	196.23			
19C2	SEP	900x600	375	196.72	375	196.77	1.23	197.95	
19C3	SEP	900x600	375	197.50	375	197.55	1.35	198.85	
19C4	SEP	900x600	375	197.61	300	197.69	1.44	199.05	
					300	197.69			
19C5	JP + GJP	900x600	300	201.87	300	201.92	1.15	203.02	JP + GJP IN KERB AS PER IDM SD 480
					300	201.92			
19C6	JP + GJP	900x600	300	206.16	300	206.21	1.37	207.52	JP + GJP IN KERB AS PER IDM SD 480
					300	206.21			
19F1	GJP	450x450	225	198.94	225	198.99	0.84	199.78	
19F2	GJP	450x450	225	200.68	225	200.73	0.80	201.48	
19F3	GJP	450x450	225	202.36	225	202.41	0.72	203.09	
19F4	GJP	450x450	225	203.33	225	203.38	0.83	204.16	
19F5	GJP	450x450	225	204.74	225	204.79	0.85	205.59	
19F6	GJP	450x450	225	205.82	225	205.87	0.72	206.54	
19F7	GJP	450x450	225	206.15	225	206.20	0.86	207.01	
19F8	GJP	450x450	225	206.30	150	206.38	0.81	207.11	
19F9	GJP	450x450	150	206.55	150	206.60	0.66	207.21	
19F10	GJP	450x450	150	206.74			0.57	207.30	
19N1	JP + GJP	900x600	300	198.48	300	198.53	1.05	199.53	JP + GJP IN KERB AS PER IDM SD 480
19N8	EX GJP	600x600	300	203.89	225	203.97	0.76	204.65	
19N8A	GJP	600x600	225	204.35	225	204.35	0.65	205.00	BREAK NEW PIT INTO EX 225Ø PVC & 'MAKE GOOD'
19N9	EX GJP	450x450	225	204.75	150	204.82	0.68	205.42	CONVERT EX GJP TO JP
					150	204.82			
19N9A	GJP	450x450	150	205.46	150	205.46	0.67	206.13	BREAK NEW PIT INTO EX 150Ø PVC & 'MAKE GOOD'
19N10	EX GJP	450x450	150	205.70	150	205.75	0.69	206.40	CONVERT EX GJP TO JP
					150	205.75			
19N10A	GJP	450x450	150	206.62	150	206.62	0.78	207.40	BREAK NEW PIT INTO EX 150Ø PVC & 'MAKE GOOD'
19N11	EX GJP	450x450	150	206.84	150	207.17	0.93	207.77	CONVERT EX GJP TO JP
19N11A	GJP	450x450	150	207.73	150	207.73	0.65	208.38	BREAK NEW PIT INTO EX 150Ø PVC & 'MAKE GOOD'
19N12	EX GJP	450x450	150	207.88			0.60	208.47	REMOVE REDUNDANT PIT & PIPE BACK TO PIT 19N11A
19O1	GJP	900x450	300	197.74			0.92	198.66	
19P1	GJP	900x450	300	201.97			0.97	202.94	
19Q1	GJP	900x450	300	206.48			0.98	207.46	

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LENGTHS ARE IN METRES - PAPER SIZE A3

"IMAGINE" ESTATE - STAGE 6

JUMBUCK LANE - STRATHFIELDSAYE

DRAINAGE LONG SECTIONS (SHEET 8 OF 8) + PIT SCHEDULE

Municipality & Ref: CITY OF GREATER BENDIGO DS/834/2012 & DS/791/2012

SHT 26 of 26 REV A

Drawing No. 1065306R26

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