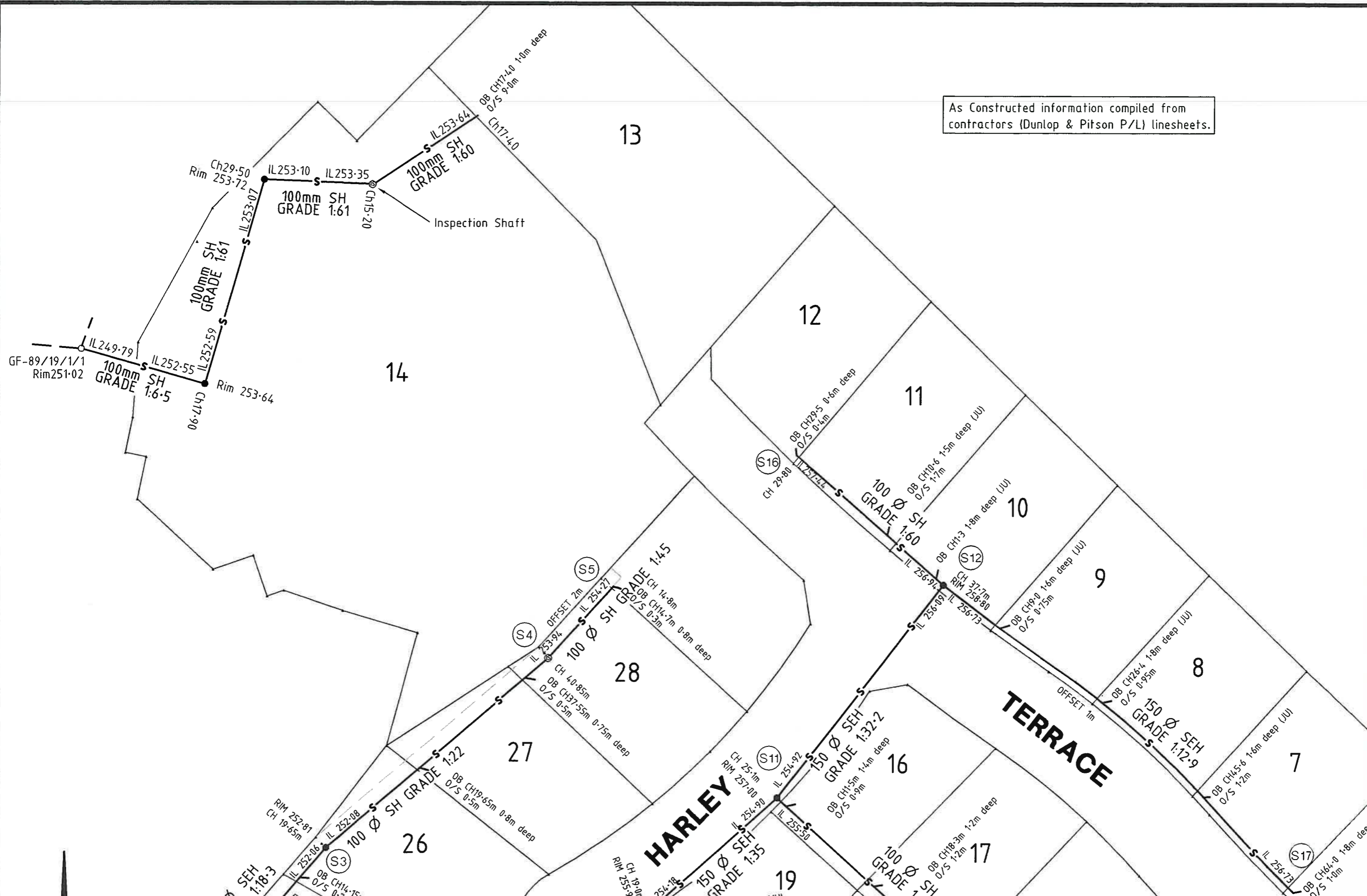


As Constructed information compiled from contractors (Dunlop & Pitson P/L) linesheets.



05		
04		
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02		
01	21/1/03	Original Issue
Ver	Date	Revisions

5 0 5 10 15
m

All lengths are in metres and all levels are to Australian Height Datum

SINGLETON BAHEN STANSFIELD
 Surveyors, Engineers, Planners
 Singleton Bahen Stansfield Pty. Ltd. ABN 71 088 433 087

61 BULL STREET BENDIGO Ph: 03 5443 3188
 596 NORTH RD. ORMOND Ph: 03 9578 0829
 13 HARGRAVES ST. CASTLEMAINE Ph: 03 5472 2111
 Email: single@netcon.net.au Email: sbs@daytec.net.au (Fridays only)

CITY OF GREATER BENDIGO
Teggana Pty Ltd
 Harley Terrace - Stages 1, 2 & 3
 STRATHDALE

Designed: D. Alford
 signed: *D. Alford*
 date: 21/1/03

Checked: P. Bowe
 signed: *P. Bowe*
 date: 22/1/03

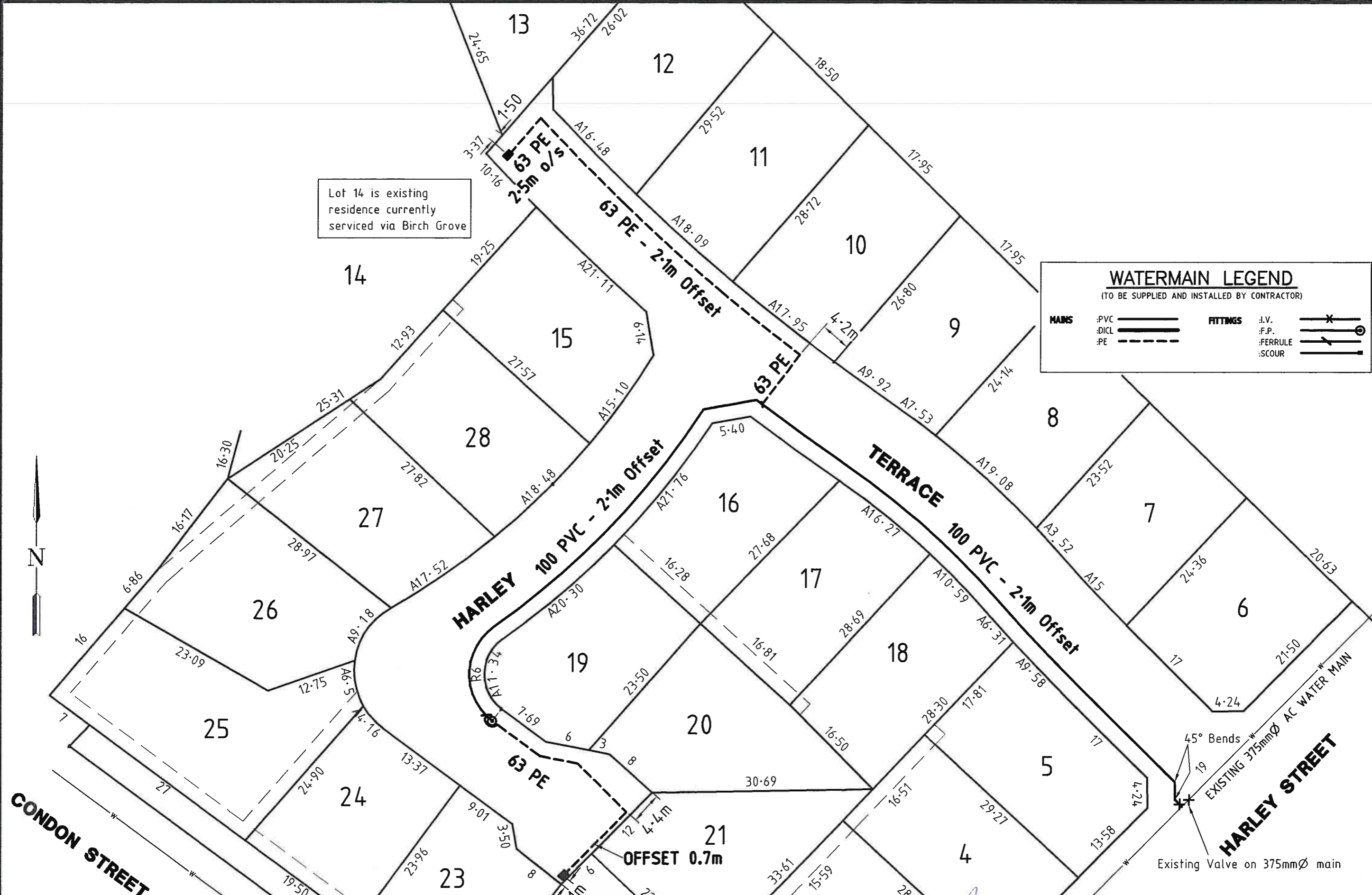
SEWER AS CONSTRUCTED

Council Ref: 1006.00	Survey: G.Shaw&Assoc.	CAD dwg: 02104sewasconstr
Coliban Ref: 7064	Level Book:	Sheet No: 2 OF 2
LTO Ref: PS 503877A PS 503881K PS 509482S	Job Ref: 02104	Drg. No. AC2 Version 01

Lot 14 is existing residence currently serviced via Birch Grove

WATERMAIN LEGEND
(TO BE SUPPLIED AND INSTALLED BY CONTRACTOR)

MANS	:PVC	=====	FITTINGS	:I.V.	⊗
	:D.I.C.L.	-----		:F.P.	⊙
	:PE	- - - - -		:FERRULE	⊕
				:SCOUR	⊖



05		
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02		
01	17/12/02	Original Issue
Ver	Date	Revisions

5 0 5 10 15
m

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SINGLETON BAHEN STANSFIELD
Surveyors, Engineers, Planners
Singleton Bahen Stansfield Pty. Ltd. ABN 71 088 433 087

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--	---	---

CITY OF GREATER BENDIGO
Teggana Pty Ltd
Harley Terrace - Stages 1, 2 & 3
STRATHDALE

Compiled: P. Bowe
signed: [Signature]
date: 22/1/03

Checked: B. Ibbs
signed: [Signature]
date: 22/1/02

WATER AS CONSTRUCTED

Council Ref: 1006.00	Survey: G.Shaw & Ass	CAD dwg: Waterascon
Coliban Ref: 7064	Level Book:	Sheet No: 1 OF 1
LTO Ref: PS 503877A PS 503881K PS 509482S	Job Ref: 02104	Drp. No. ACW Version 01

HARLEY TERRACE

SHEET INDEX

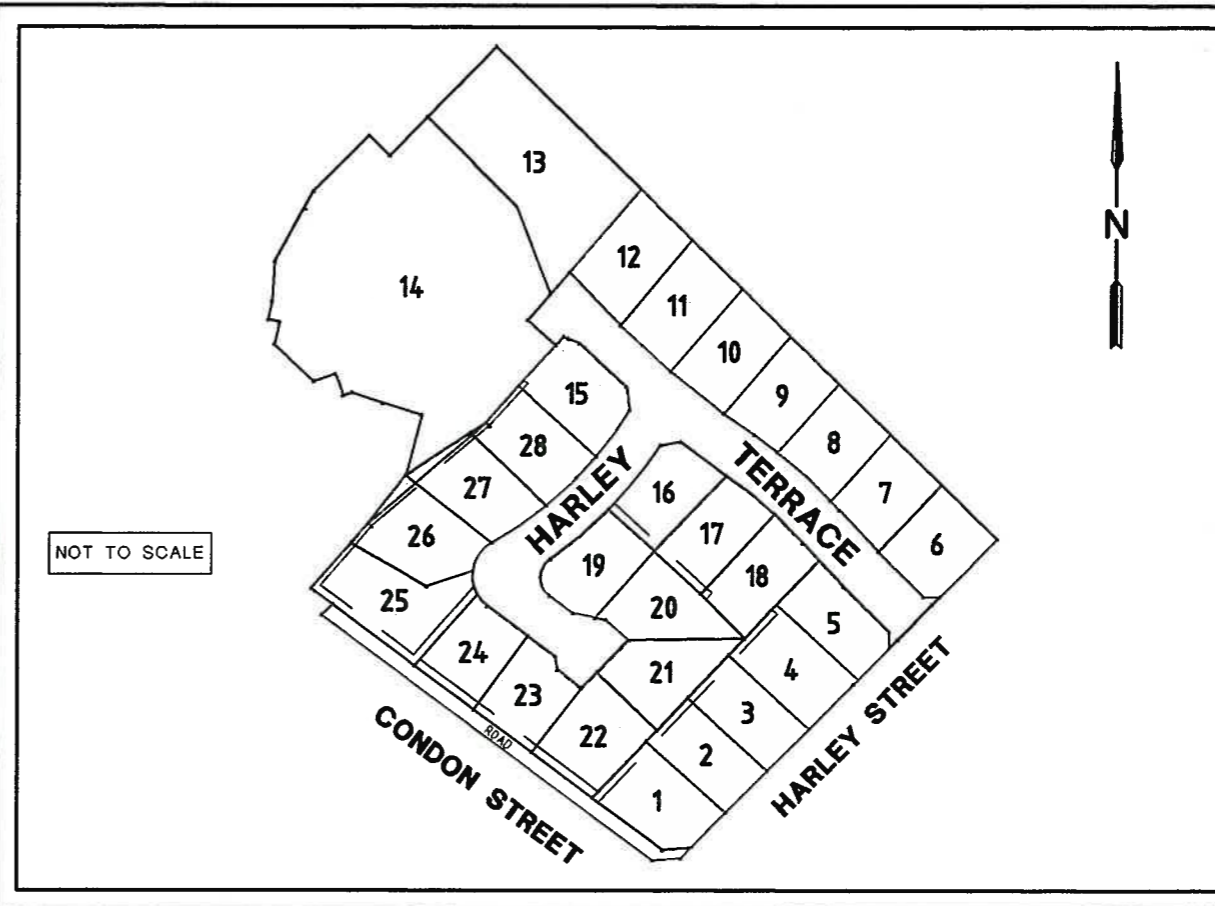
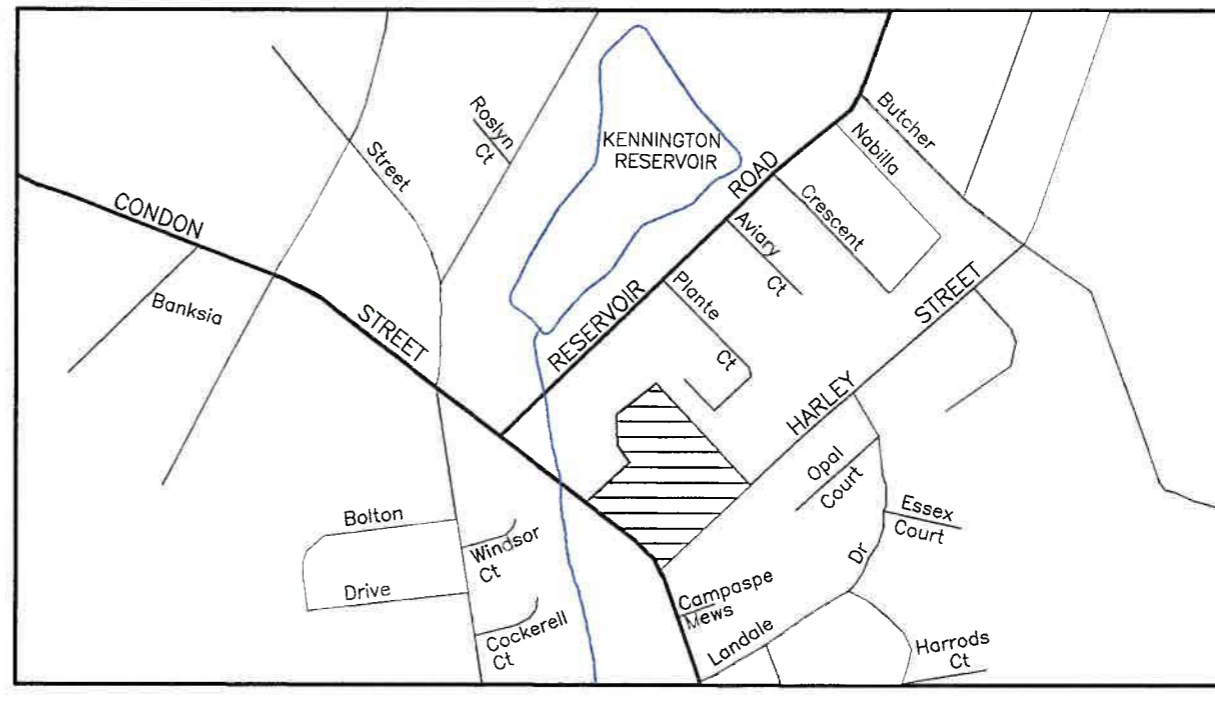
SHEET No.	DRAWING	DESCRIPTION	VERSION
01	001	FACE PLAN	02
02	002	LAYOUT PLAN 1	01
03	003	LAYOUT PLAN 2	01
04	004	SETOUT DETAILS 1	02
05	005	SETOUT DETAILS 2	02
06	006	SETOUT DETAILS 3	02
07	007	SETOUT DETAILS 4	02
08	008	HARLEY STREET LONGITUDINAL SECTIONS	01
09	009	HARLEY STREET KERB CROSS SECTIONS 1 (SOUTH)	01
10	010	HARLEY STREET KERB CROSS SECTIONS 2 (NORTH)	01
11	011	HARLEY TERRACE LONGITUDINAL SECTION	02
12	012	HARLEY TERRACE CROSS SECTIONS 1	02
13	013	HARLEY TERRACE CROSS SECTIONS 2	02
14	014	HARLEY TERRACE CROSS SECTIONS 3	02
15	015	HARLEY TERRACE CROSS SECTIONS 4	02
16	016	HARLEY DRIVEWAY CROSS SECTIONS	01
17	017	HARLEY DRIVEWAY CROSS & LONGITUDINAL SECTION	01
18	018	DRAINAGE LONGITUDINAL SECTIONS 1	01
19	019	DRAINAGE LONGITUDINAL SECTIONS 2	01
20	020	DRAINAGE LONGITUDINAL SECTIONS 3	01
21	021	DRAINAGE LONGITUDINAL SECTIONS 4	01
22	022	PIT SCHEDULE AND NOTES	01
23	023	SEWER PLAN 1	01
24	024	SEWER PLAN 2	01
25	025	SEWER LONG SECTION 1	01
26	026	SEWER LONG SECTION 2	01
27	027	SEWER LONG SECTION 3	01
28	028	SEWER LONG SECTION 4	01
29	029	SEWER LONG SECTION 5	01
30	030	WATER MAIN PLAN	01
31	031	BENCHING PLAN	02
32	032	BENCHING PLAN	02

GENERAL NOTES

- All works are to comply with the current standards and specifications of the municipality. Contract is in accordance with AS 2124-1992 including annexures.
- Stage 1 consists of lots 1 - 7, Stage 2 consists of lots 8-18 and Stage 3 consists of lots 19 - 28. Total of 28 lots.
- All drainage pipes and pits are to be at 1.0m offset to property boundaries unless shown otherwise.
- All side entry pits in rollover kerb & channel are to be constructed using an approved rollover type lintel, or a reinforced rollover profile pit lid. Standard square profile pit lids without lintel are not acceptable.
- The contractor must contact all servicing authorities to arrange service locations prior to commencement of excavation for this project.
- All fill areas are to be cleared and stripped of all organic material and topsoil prior to placement of selected clay fill material. Fill areas are to be inspected by the supervising Engineer prior to any fill being placed. Fill is to be placed and compacted in layers, with a minimum compaction of 95% of the maximum dry density as determined by the standard compaction test being achieved. 100% of the maximum dry density must be achieved within road pavement areas.
- All concrete must have a minimum compressive strength of 25MPa at 28 days. Kerb & Channel concrete must have an equivalent strength using not less than 280kg of cement per m3 of concrete.
- All trenches crossing pavement areas or beneath Kerb or Footpath are to be backfilled with class 2A or class 3 fine crushed rock. The top 300mm is to have cement added at a rate of one 40kg bag per m3 of crushed rock, and this material is to be placed and compacted in layers not exceeding 200mm in depth.
- The contractor must adhere to the code of practise for "Safety Precautions in Trenching Operations" under the "Occupational Health and Safety Act 1985".
- Maximum driveway grade for any allotment is 1 in 7.
- Any 150mm PVC pipes shown in the road reserve are for house drainage connections. They are to consist of sewer heavy grade uPVC pipes layed at 0.3m offset from the back of kerb with a minimum cover of 400mm. PVC OBs are to be provided at each property as shown.
- Electricity cable conduits are to be installed as shown on the Powercor cable reticulation plan, in accordance with the requirements and specifications of Powercor. The contractor must contact Powercor to arrange inspection of all conduits prior to backfilling.
- Electricity service pits to be located to provide a minimum 150mm concrete footpath width, ie locate edge 250mm from title.

LOCALITY PLAN

(not to scale)



APPROVED FOR CONSTRUCTION

05		
04		
03		
02	13/9/01	Lift Road and benches
01	1/8/01	Original Issue
Ver	Date	Revisions
All lengths are in metres and all levels are to Australian Height Datum		

SINGLETON BAHEN STANSFIELD
 Surveyors, Engineers, Planners
 Singleton Bahen Stansfield Pty. Ltd. ABN 71 088 433 087

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 13 HARGRAVES ST. CASTLEMAINE Ph: 03 5472 2111 visited office (Fridays only)

CITY OF GREATER BENDIGO

Mr. B. Tangey

Harley Terrace - Stages 1, 2 & 3

STRATHDALE

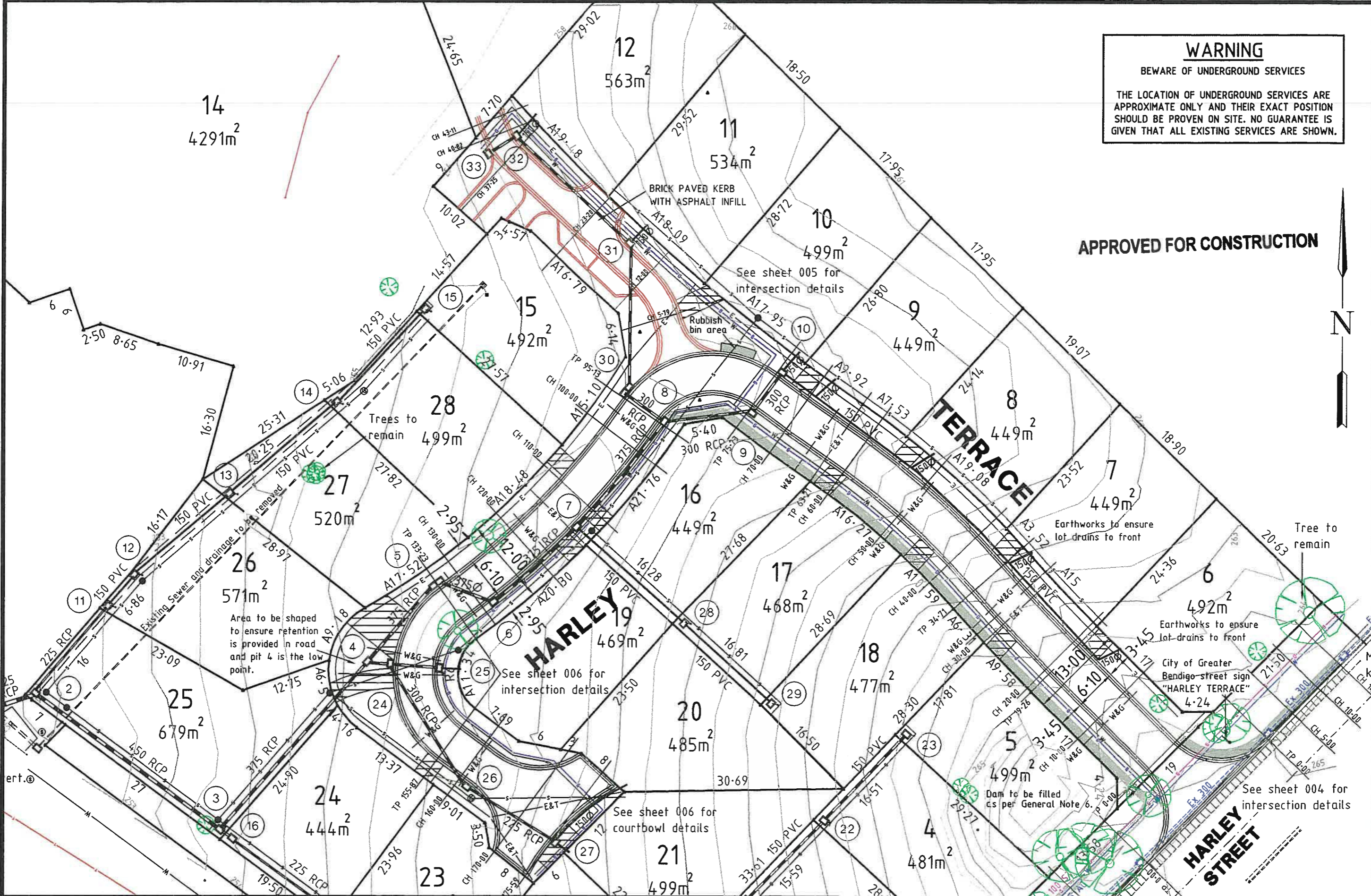
Designed: K. T. Lyu
 signed: *Brendan H...*
 date: 17/9/02
 Checked: P. Bowe
 signed: *P. Bowe*
 date: 16/9/02

FACE PLAN

Council Ref: 1006.00	Survey: G. Shaw & Ass	CAD dwg: 02104FACE
Coliban Ref: ME 8/9 7064	Level Book:	Sheet No: 1 OF 32
LTO Ref: PS 503877A PS 503881K PS 5094825	Job Ref: 02104	Drg. No. 001 Version 02

WARNING
 BEWARE OF UNDERGROUND SERVICES
 THE LOCATION 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.

APPROVED FOR CONSTRUCTION



05		
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01	1/8/02	Original Issue
Ver	Date	Revisions

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m

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SINGLETON BAHEN STANSFIELD
 Singleton Bahen Stansfield Pty. Ltd. ABN 71 088 433 087
Surveyors, Engineers, Planners

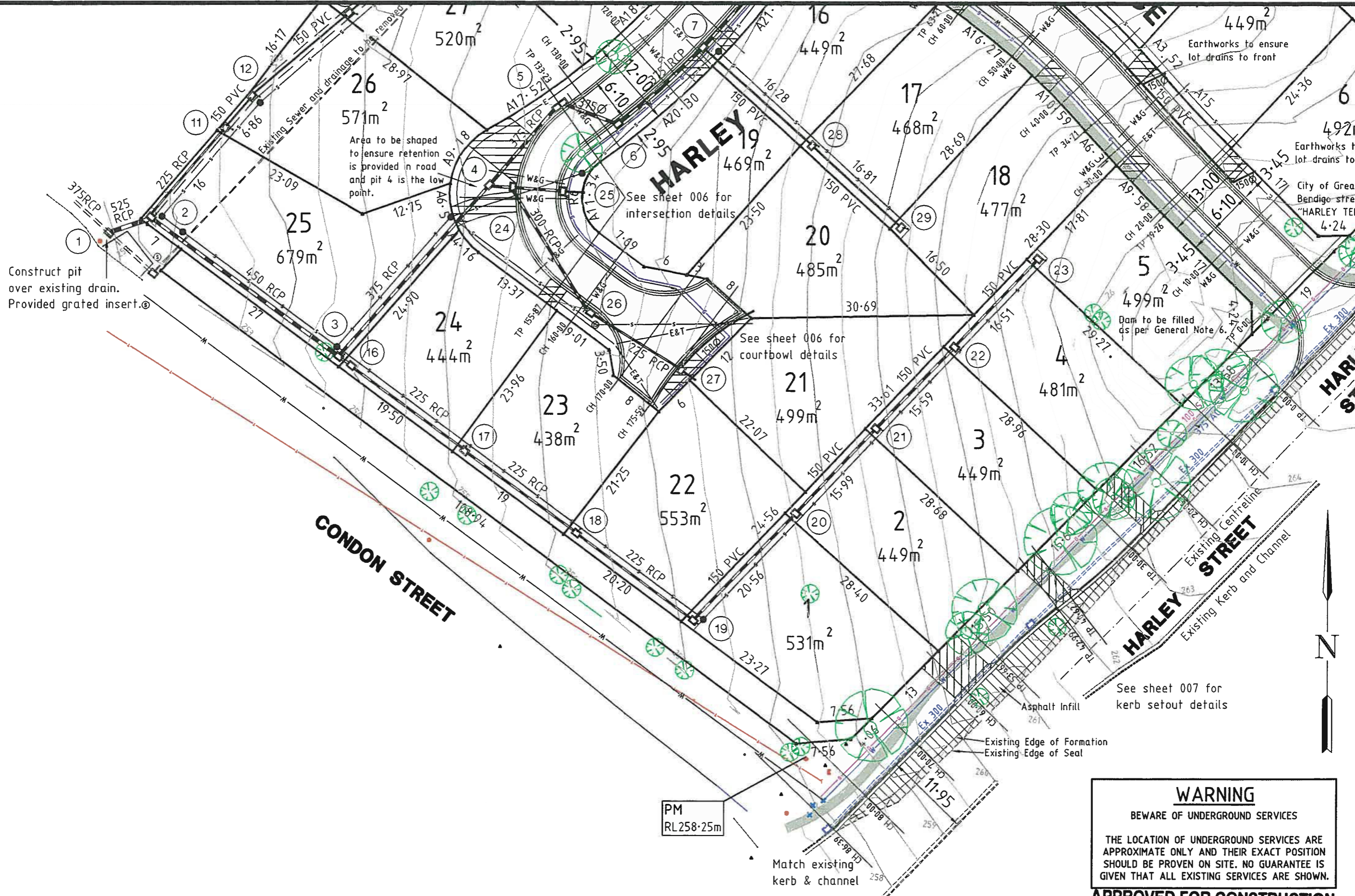
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 13 HARGRAVES ST. CASTLEMAINE Ph: 03 5472 2111 visited office (Fridays only)

CITY OF GREATER BENDIGO
Mr. B. Tangey
Harley Terrace - Stages 1, 2 & 3
 STRATHDALE

Designed: K.T. Luu
 signed: [Signature]
 date: 15/8/02
 Checked: P. Bowe
 signed: [Signature]
 date: 5/8/02

LAYOUT PLAN 1

Council Ref: 1006.00	Survey: G.Shaw & Assoc	CAD dwg: 02104PLAN
Coliban Ref: ME 8/9 7064	Level Book:	Sheet No: 2 OF 32
LTO Ref: PS 503877A PS 503881K PS 5094825	Job Ref: 02104	Drg. No. 002 Version 01



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APPROVED FOR CONSTRUCTION

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02		
01	1/8/02	Original Issue
Ver	Date	Revisions

5 0 5 10 15
m

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SINGLETON BAHEN STANSFIELD
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 visited office (Fridays only)

CITY OF GREATER BENDIGO

Mr. B. Tangey

Harley Terrace - Stages 1, 2 & 3

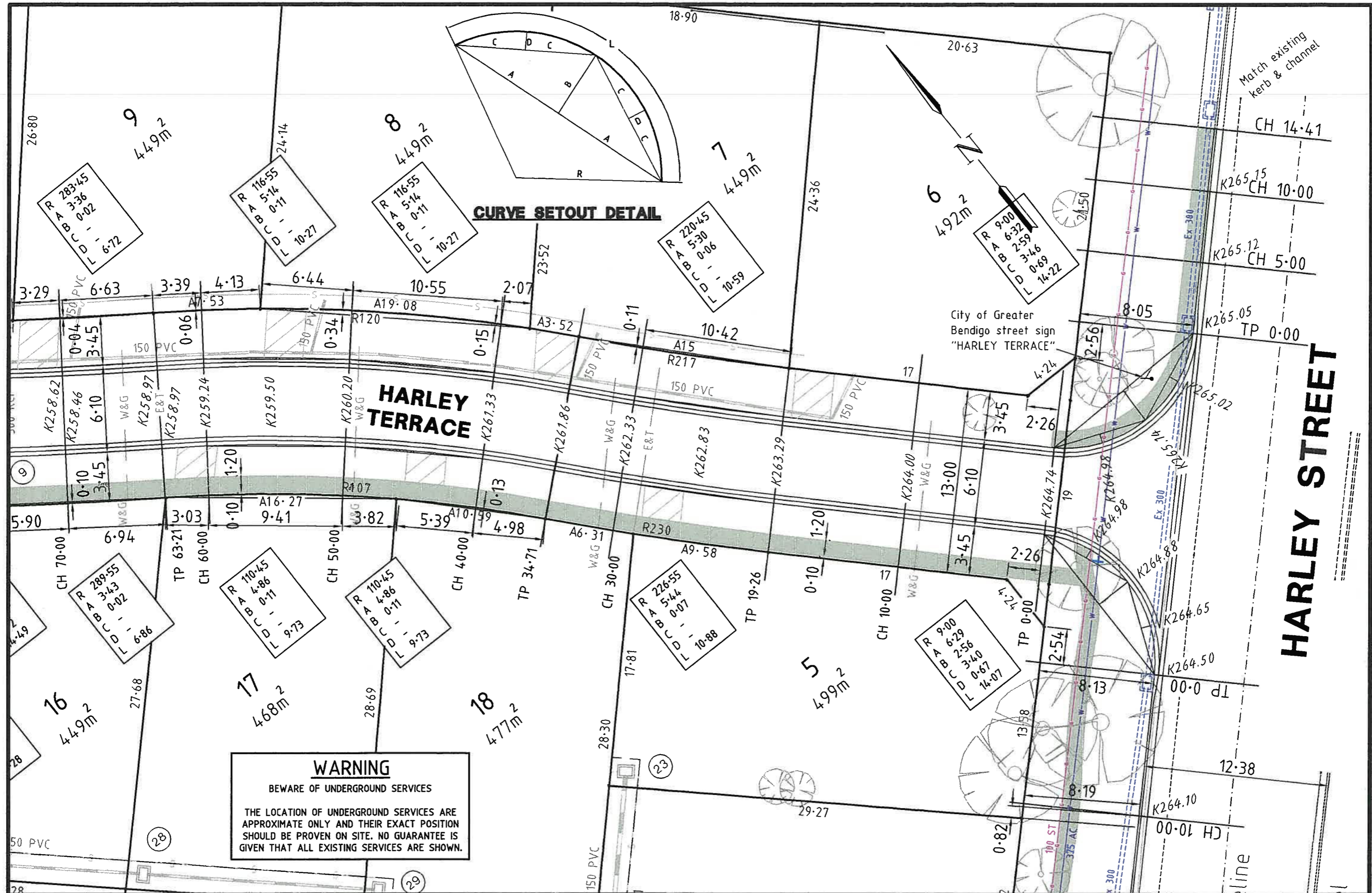
STRATHDALE

Designed: K.T. Luu
 signed: [Signature]
 date: 5/8/02

Checked: P. Bowe
 signed: [Signature]
 date: 5/8/02

LAYOUT PLAN 2

Council Ref:	1006.00	Survey:	G.Shaw & Assoc	CAD dwg:	02104PLAN
Coliban Ref:	ME 8/9 7064	Level Book:		Sheet No:	3 OF 32
LTO Ref:	PS 503877A PS 503881K PS 5094825	Job Ref:	02104	Drq. No:	003
				Version	01



05		
04		
03	21/10/02	Lift road up to CH100
02	13/9/02	Lift Road
01	1/8/02	Original Issue
Ver	Date	Revisions

SINGLETON BAHEN STANSFIELD
 Surveyors, Engineers, Planners

Singleton Bahen Stansfield Pty. Ltd. ABN 71 088 433 087

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 13 HARGRAVES ST. CASTLEMAINE Ph: 03 5472 2111 Fax: 03 5472 2111 visited office (Fridays only)

CITY OF GREATER BENDIGO
Mr. B. Tangey
 Harley Terrace - Stages 1, 2 & 3
 STRATHDALE

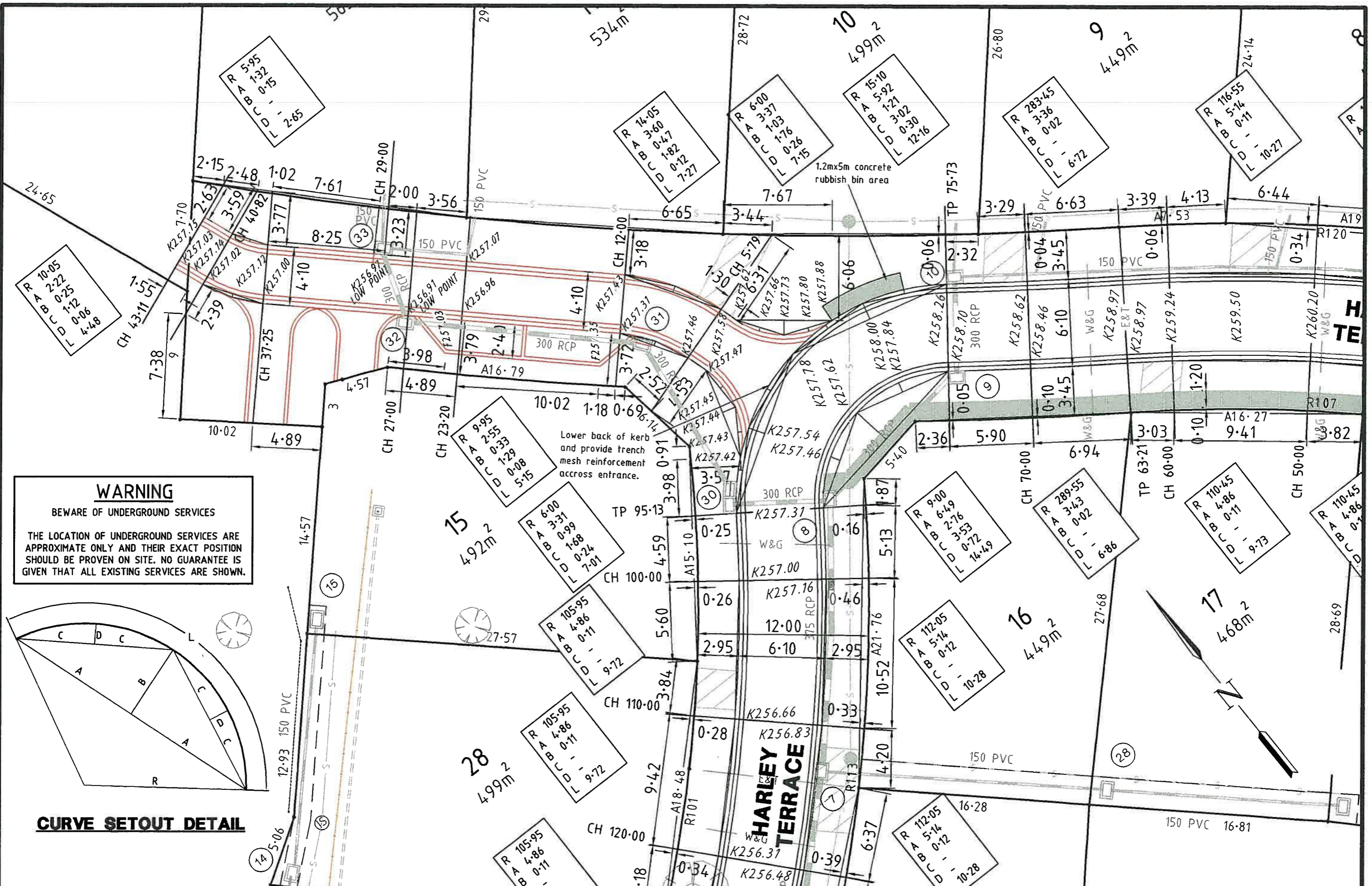
Designed: K.T. Luu
 signed: *[Signature]*
 date: 22/10/02

Checked: P. Bowe
 signed: *[Signature]*
 date: 22/10/02

SETOUT DETAILS 1			
Council Ref: 1006.00	Survey: G.Shaw & Ass	CAD dwg: 02104detailmod	
Coliban Ref: ME 8/9 7064	Level Book:	Sheet No: 4 OF 32	
LTO Ref: PS 503877A PS 503881K PS 509482S	Job Ref: 02104	Drg. No: 004	Version: 03

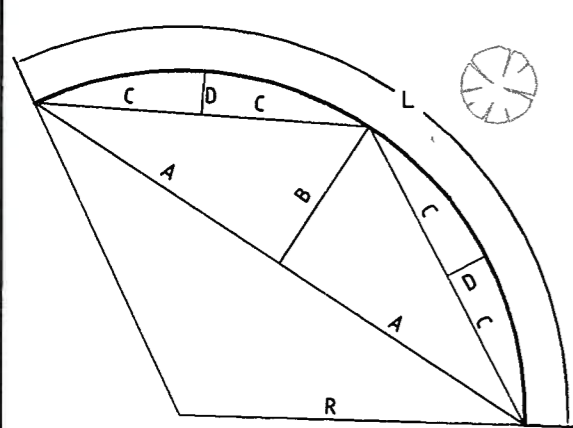
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CURVE SETOUT DETAIL

05		
04		
03	21/10/02	Lift road up to CH100
02	13/9/02	Lift Road
01	1/8/02	Original Issue
Ver	Date	Revisions

2.5 0 2.5 5 7.5
m

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SINGLETON BAHEN STANSFIELD
Surveyors, Engineers, Planners

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13 HARGRAVES ST. CASTLEMAINE Ph: 03 5472 2111 visited office (Fridays only)

CITY OF GREATER BENDIGO

Mr. B. Tangey

Harley Terrace - Stages 1, 2 & 3

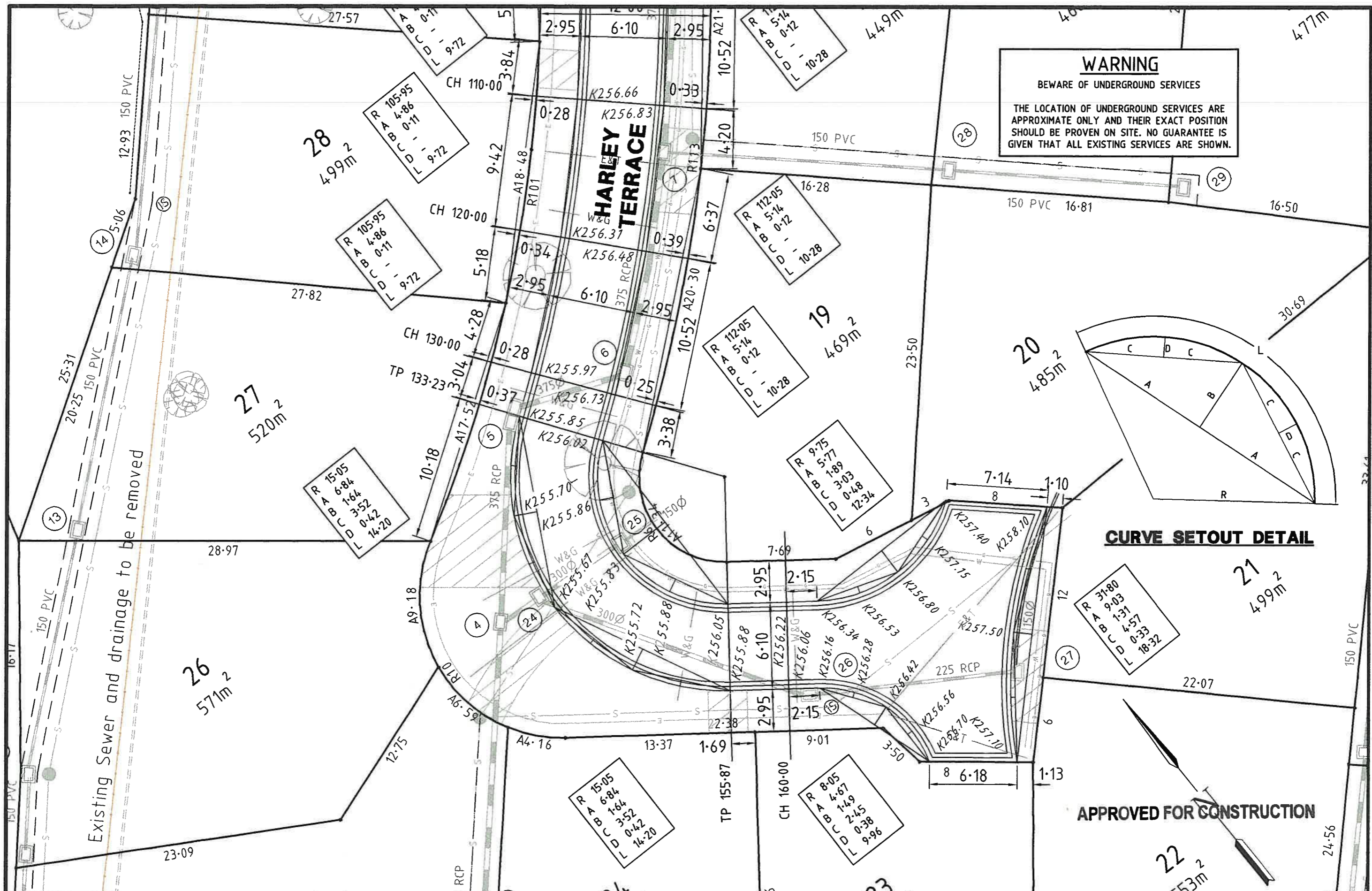
STRATHDALE

Designed: K.T. Luu
signed: *for Brandon Luu*
date: 21/10/02

Checked: P. Bowe
signed: *MB*
date: 22/10/02

SETOUT DETAILS 2

Council Ref: 1006.00	Survey: G.Shaw & Ass	CAD dwg: 02104detailm0
Coliban Ref: ME 8/9 7064	Level Book:	Sheet No: 5 OF 32
LTO Ref: PS 503877A PS 503881K PS 509482S	Job Ref: 02104	Drg. No: 005 Version: 03



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CURVE SETOUT DETAIL

APPROVED FOR CONSTRUCTION

05		
04		
03		
02	13/9/02	Lift Road
01	1/8/02	Original Issue
Ver	Date	Revisions

2.5 0 2.5 5 7.5
m

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SINGLETON BAHEN STANSFIELD
 Singleton Bahen Stansfield Pty. Ltd. ABN 71 088 433 087
Surveyors, Engineers, Planners

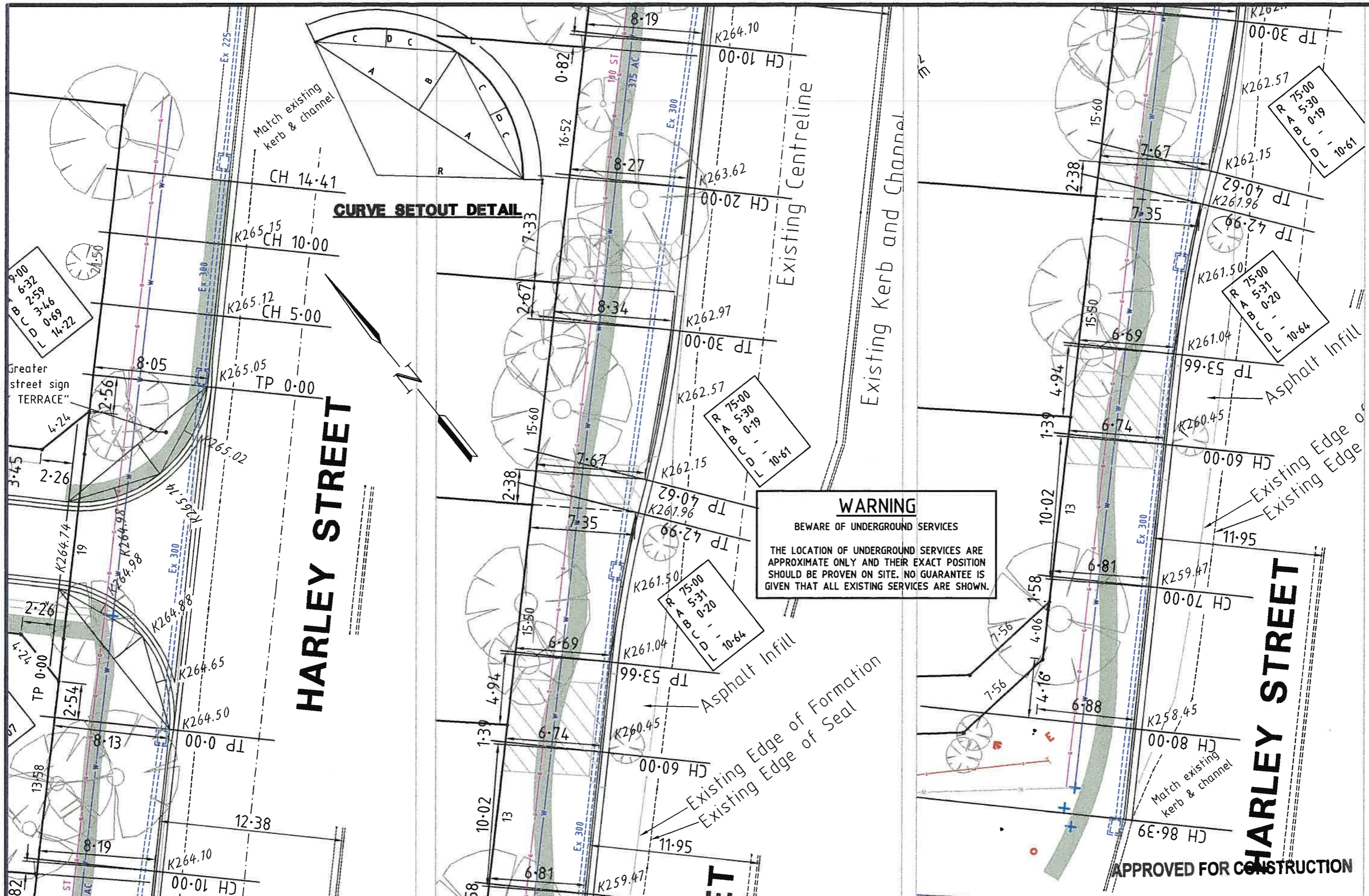
61 BULL STREET BENDIGO Ph: 03 5443 3188
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 Email: single@netcon.net.au Email: sbs@daytec.net.au (Fridays only)

CITY OF GREATER BENDIGO
Mr. B. Tangey
 Harley Terrace - Stages 1, 2 & 3
 STRATHDALE

Designed: K.T. Luu
 signed: *Brendan Hoke*
 date: 17/9/02
 Checked: P. Bowe
 signed: *[Signature]*
 date: 17/9/02

SETOUT DETAILS 3

Council Ref: 1006.00	Survey: G.Shaw & Ass	CAD dwg: 02104detail
Coliban Ref: ME 8/9 7064	Level Book:	Sheet No: 6 OF 32
LTO Ref: PS 503877A PS 503881K PS 509482S	Job Ref: 02104	Drg. No: 006 Version: 02



05		
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02	13/9/02	Lift Road
01	1/8/02	Original Issue
Ver	Date	Revisions

2.5 0 2.5 5 7.5
m

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SINGLETON BAHEN STANSFIELD
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Surveyors, Engineers, Planners

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 visited office (Fridays only)

CITY OF GREATER BENDIGO
Mr. B. Tangey
 Harley Terrace - Stages 1, 2 & 3
 STRATHDALE

Designed: K.T. Luu
 signed: *[Signature]*
 date: 17/9/02
 Checked: P. Bowe
 signed: *[Signature]*
 date: 16/9/02

SETOUT DETAILS 4

Council Ref: 1006.00	Survey: G.Shaw & Ass	CAD dwg: 02104detail
Coliban Ref: ME 8/9 7064	Level Book:	Sheet No: 7 OF 32
LTO Ref: PS 503877A PS 503881K PS 509482S	Job Ref: 02104	Drg. No. 007 Version 02

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