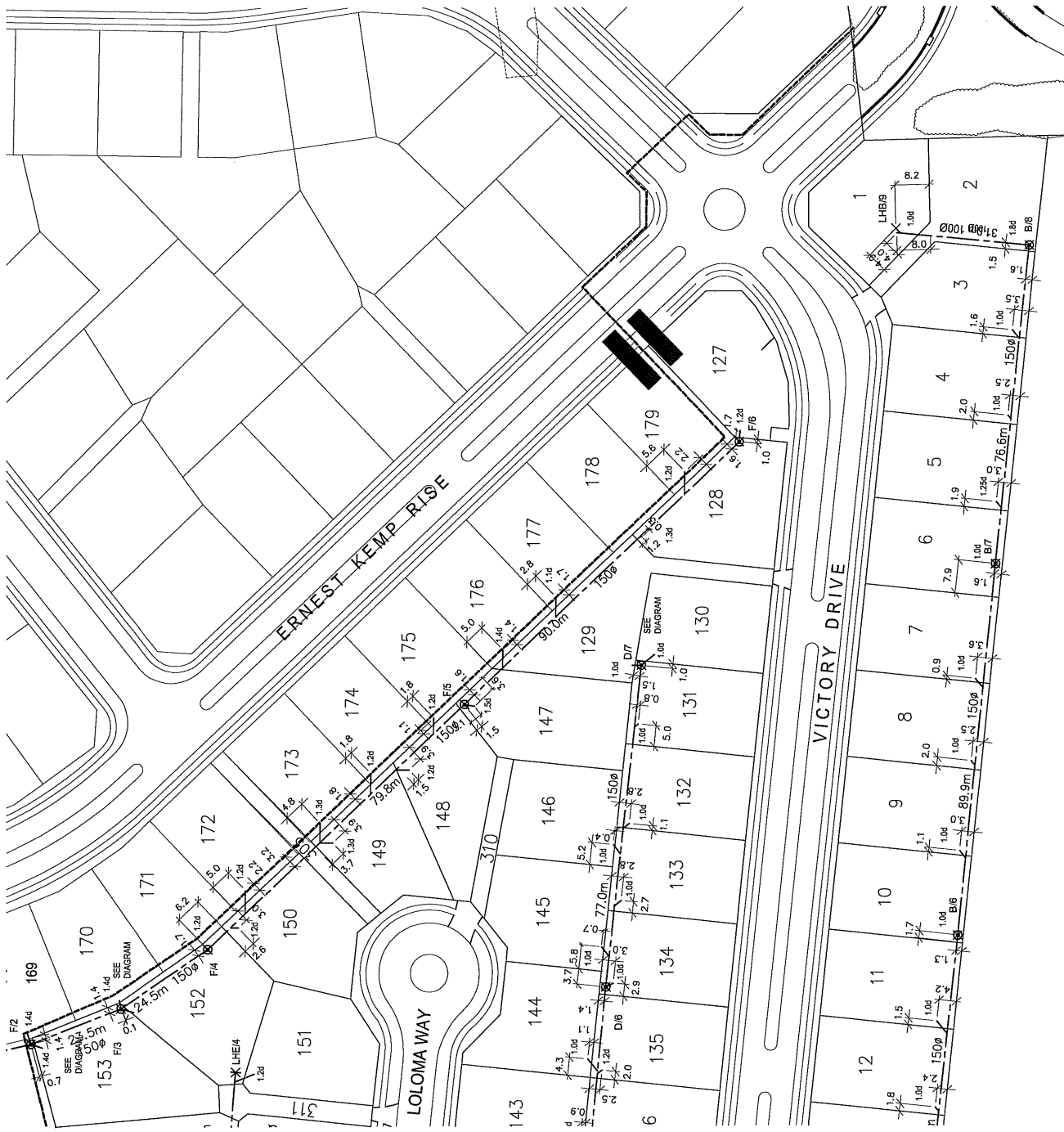
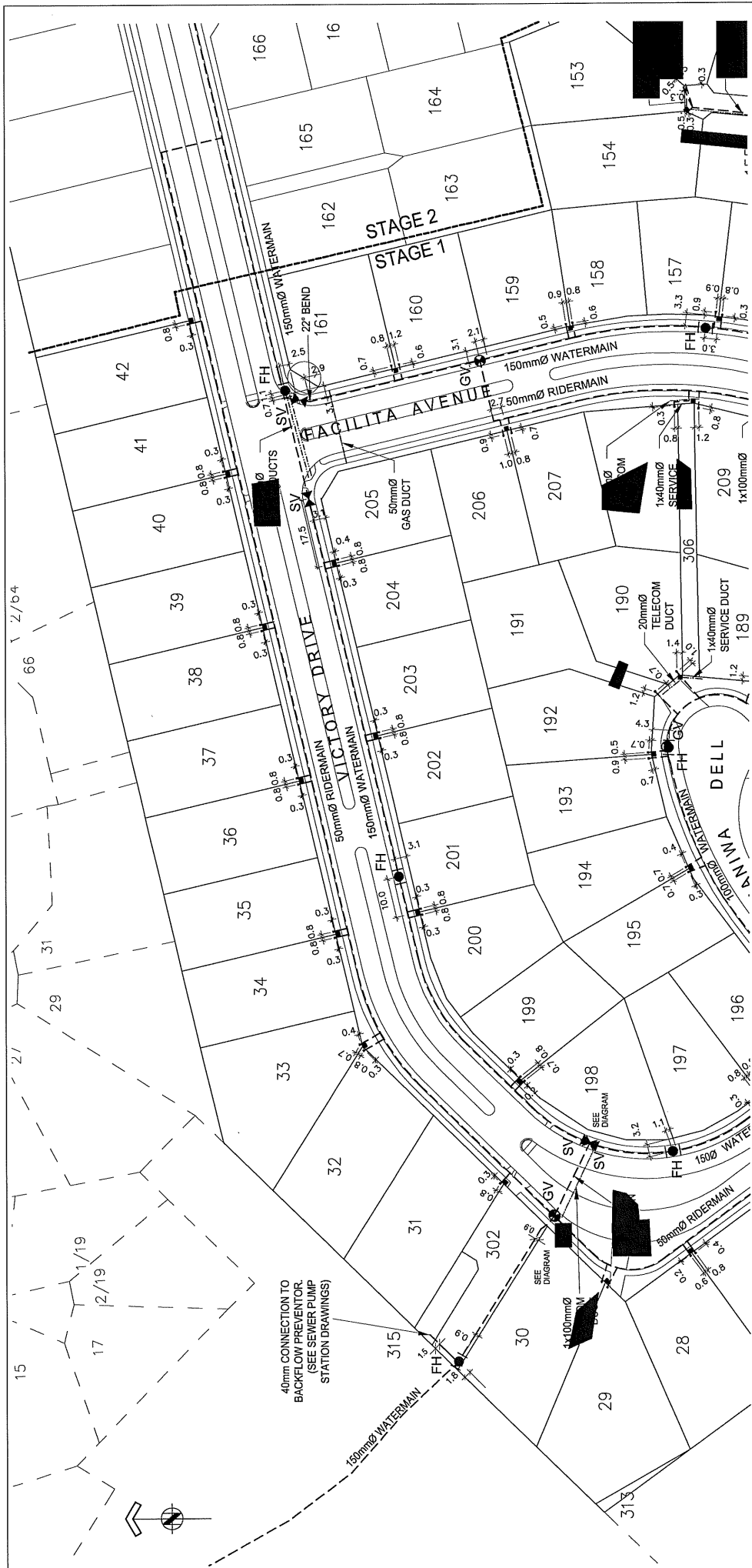


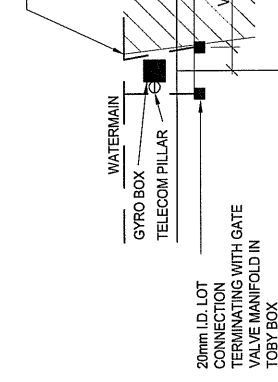
- NOTES:**
- ALL SEWAGE MAINS 1500 UNLESS SHOWN OTHERWISE.
 - ALL CONNECTIONS 1000 UPVC ON 45° Y OR DIRECT FROM MANHOLE



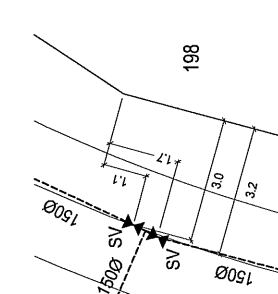
PROJECT:										TITLE:									
HARRISON GRIERSON CONSULTING ENGINEERS SURVEYORS PLANNERS 42-46 Horomangi Street Taupo Ph 07 376 7350 Fax 07 376 7351										WHAREWAKA (2003) LIMITED WHAREWAKA POINT SUBDIVISION TAUPO									
ISO 9001 QUALITY ASSURED										STAGE 1 AS BUILT SANITARY SEWER LAYOUT SHEET 3 OF 3									
ASSOCIATION OF CONSULTING ENGINEERS NEW ZEALAND										PROJECT NO: 014359-AB402									
THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF HARRISON GRIERSON CONSULTING ENGINEERS SURVEYORS PLANNERS THE WRITTEN PERMISSION OF HARRISON GRIERSON CONSULTING ENGINEERS SURVEYORS PLANNERS MUST BE OBTAINED BEFORE THIS DRAWING IS REPRODUCED OR USED FOR ANY OTHER PURPOSE.										SCALE: 1:500 (A1) 1:1000 (A3)									
DATE: 20/06/2006										DRAWN: RKN									
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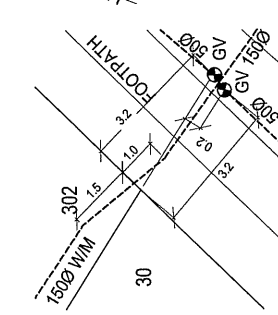
WHERE ROW ENTRANCE IS ADJACENT, ANGLE CONNECTIONS AWAY FROM RIGHT OF WAY TO ENSURE TAPPING BAND IS NOT BELOW FORMED ENTRANCE.



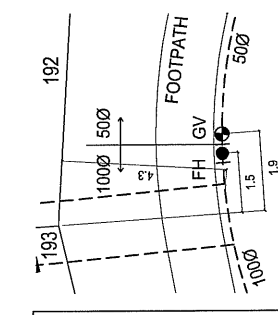
TYPICAL LOT CONNECTION DETAIL
NOT TO SCALE



FEATURES ADJACENT TO LOT 198
NOT TO SCALE



FEATURES ADJACENT TO LOT 30
NOT TO SCALE



FEATURES ADJACENT TO LOT 192
NOT TO SCALE

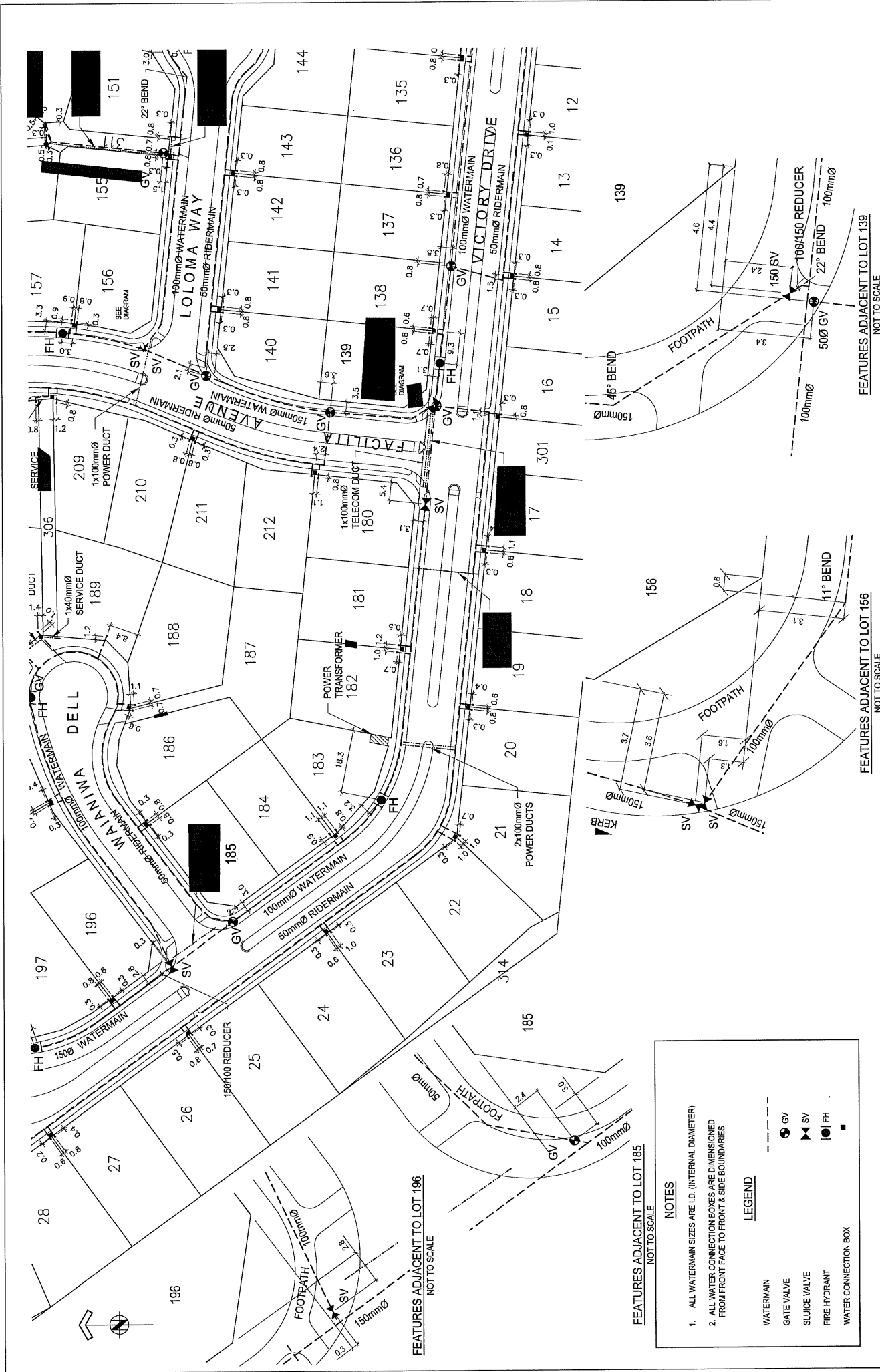
NOTES

- ALL WATERMAIN SIZES ARE I.D. (INTERNAL DIAMETER)
- ALL WATER CONNECTION BOXES ARE DIMENSIONED FROM FRONT FACE TO FRONT & SIDE BOUNDARIES

LEGEND

WATERMAIN: ———
 GATE VALVE: ● GV
 SLICE VALVE: ▲ SV
 FIRE HYDRANT: ● FH
 WATER CONNECTION BOX: ■

PROJECT:		TITLE:		PROJECT:		PROJECT:	
HARRISON GRIERSON		WHAREWAKA (2003) LIMITED		WHAREWAKA POINT SUBDIVISION		STAGE 1 AS BUILT	
CONSULTING ENGINEERS SURVEYORS PLANNERS		TAUPO		TAUPO		WATER & DUCTING LAYOUT	
42-46 Horomaitangi Street, Taupo, P.O. Box 376, 376 7351		NOT TO SCALE		NOT TO SCALE		SHEET 1 OF 4	
NEXT DATE: 20/06/2006		DATE: 14/06/2005		DATE: 14/06/2005		DATE: 14/06/2005	
DRAWN BY: RBN		CHECKED BY: RBN		APPROVED BY: RBN		APPROVED BY: RBN	
SCALE: 1:500 (A3)		SCALE: 1:500 (A3)		SCALE: 1:500 (A3)		SCALE: 1:500 (A3)	
PROJECT NO: 014359-AB500		PROJECT NO: 014359-AB500		PROJECT NO: 014359-AB500		PROJECT NO: 014359-AB500	
REV		REV		REV		REV	
2		2		2		2	



FEATURES ADJACENT TO LOT 185
NOT TO SCALE

NOTES

- ALL WATERMAIN SIZES ARE I.D. (INTERNAL DIAMETER)
- ALL WATER CONNECTION BOXES ARE DIMENSIONED FROM FRONT FACE TO FRONT & SIDE BOUNDARIES

LEGEND

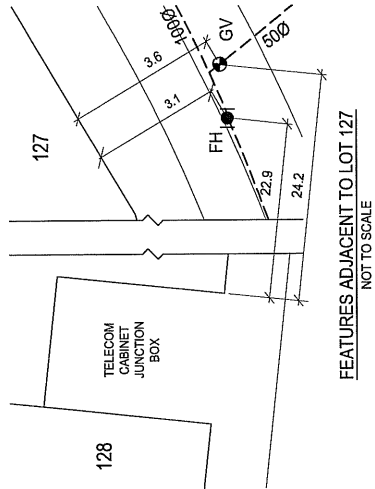
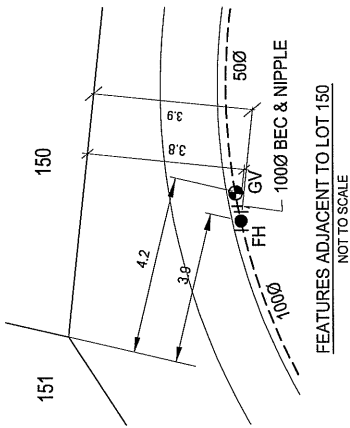
WATERMAIN
 GATE VALVE
 SLUICE VALVE
 FIRE HYDRANT
 WATER CONNECTION BOX

GV
 SV
 FH
 ■

FEATURES ADJACENT TO LOT 156
NOT TO SCALE

FEATURES ADJACENT TO LOT 139
NOT TO SCALE

PROJECT:		TITLE:		REV:	
HARRISON GRIERSON		WHAREWAKA (2003) LIMITED		STAGE 1 AS BUILT	
CONSULTING ENGINEERS SURVEYORS PLANNERS		WHAREWAKA POINT SUBDIVISION		WATER & DUCTING LAYOUT	
42-46 Hornsby Street Taupo Ph. 07 376 7350 Fax 07 376 7351		TAUPO		SHEET 2 OF 4	
ISO 9001 QUALITY ASSURED		PRODUCT No: 1:500 (A1)		DRAWING No: 014359-AB501	
ASSOCIATION OF CONSULTING ENGINEERS NEW ZEALAND		SCALE: 1:500 (A1)		REV: 2	
THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF HARRISON GRIERSON. IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF HARRISON GRIERSON.		DATE: 20/06/2006		DATE: 10/07/2006	
PROJECT NO: 014359-AB501		DRAWN: RPK		CHECKED: DATE:	
BY: DATE:		BY: DATE:		BY: DATE:	
BY: DATE:		BY: DATE:		BY: DATE:	



NOTES

- ALL WATERMAIN SIZES ARE I.D. (INTERNAL DIAMETER)
- ALL WATER CONNECTION BOXES ARE DIMENSIONED FROM FRONT FACE TO FRONT & SIDE BOUNDARIES

LEGEND

- WATERMAIN
- GATE VALVE
- SLUICE VALVE
- FIRE HYDRANT
- WATER CONNECTION BOX

PROJECT:		TITLE:		NOTES:	
HARRISON GRIERSON		WHAREWAKA (2003) LIMITED		STAGE 1 AS BUILT	
CONSULTING ENGINEERS SURVEYORS PLANNERS		WHAREWAKA POINT SUBDIVISION		WATER & DUCTING LAYOUT	
42-46 Horomangi Street Taupo Ph 07 376 7250 Fax 07 376 7251		TAUPO		SHEET 3 OF 4	
ISO 9001 QUALITY ASSURED		PROJECT NO:		014359-AB502	
ASSOCIATION OF CONSULTING ENGINEERS NEW ZEALAND		PROJECT NO:		1:1000 (A1)	
THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF HARRISON GRIERSON. NO PART OF THIS DRAWING OR DESIGN SHALL BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION OF HARRISON GRIERSON.		PROJECT NO:		1:1000 (A2)	
DATE: 20/06/2006		PROJECT NO:		1:1000 (A3)	
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CHECKED: HARRISON GRIERSON		PROJECT NO:		1:1000 (A5)	
DATE: 20/06/2006		PROJECT NO:		1:1000 (A6)	
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