

GENERAL NOTES:

- G1. These drawings shall be read in conjunction with the Architect's drawings and specification. Any discrepancies between drawings, specification or site condition shall be reported to the Engineer and resolved before proceeding. Refer to Architectural drawings for setout dimensions of roadway and buildings.
Do not scale drawing.
- G2. The Contractor shall be responsible for the location of all existing services on site prior to excavation. All trenching to be reinstated to the satisfaction of the relevant authorities.
- G3. The Contractor shall locate and verify the value of the TBM before the start of construction.
- G4. All services, or conduits for servicing shall be installed prior to commencement of pavement construction.
- G5. No work is permitted within adjoining properties without written permission from the owners or responsible authority.
- G6. All levels supplied by Client.

EARTHWORKS NOTES:

- E1. The site of the works shall be prepared by stripping all existing topsoil, fill and vegetation.
- E2. Subgrade shall be compacted until a dry density has been achieved of not less than 100% of the standard maximum dry density when tested in accordance with AS 1289.
- E3. The exposed subgrade should be proof rolled to detect any soft or wet areas which should be locally excavated and back filled with selected material.
- E4. The back filling material shall be imported granular fill of low plasticity, preferably crushed sandstone, and be placed in layers not exceeding 150mm loose thickness and compacted to 98% of standard dry density at a moisture content within 2% of optimum.
- E5. Stormwater must not be concentrated on to adjacent property.
- E6. At no time during or after construction os stormwater to be ponded on adjoining properties.
- E7. The site shall be graded and drained so that stormwater will be directed away from the building platform.
- E8. Any vertical or near vertical permanent excavation (cut) deeper than 0.6m in material other than rock shall be adequately retained or battered at a minimum of 3:1.
- E9. Where batters cannot be provided to support the cut or fill they shall be adequately retained.
- E9. Ensure any retaining walls are constructed with adequate subsoil drainage.

LEGEND

<div>FFL 77.65</div> <div>BL 77.43</div>	FINISHED FLOOR LEVEL
<div>78.0</div>	EXISTING CONTOUR
<div>x 77.997</div>	EXISTING SPOT LEVEL
<div>P 77.60</div>	PAVEMENT DESIGN LEVEL
<div>P 78.40</div>	PAVEMENT DESIGN CONTOUR
<div>77.80</div>	GARDEN SURFACE DESIGN LEVEL
<div>BRW</div>	BOUNDARY RETAINING WALL
<div>GRW</div>	GARDEN RETAINING WALL/FENCE PLINTH
<div></div>	SEGMENTAL PAVING TO ARCH. REQUIREMENTS SUB BASE: 10 - 15 BEDDING SAND 400 QUARRY RUBBLE
<div></div>	ASPHALTIC PAVING - 30mm SUB BASE: 150 FINE CRUSHED ROCK 250 QUARRY RUBBLE
<div></div>	ASPHALTIC PAVING - 50mm SUB BASE: 200 FINE CRUSHED ROCK 300 QUARRY RUBBLE
<div>K&G</div>	100 ROLLOVER KERB & GUTTER
<div>K&T</div>	100 ROLLOVER KERB & TRAY
<div>K</div>	100 CONCRETE KERB
<div>CE</div>	100 CONCRETE EDGE
<div>CCE</div>	150 CONCEALED CONCRETE EDGE BLOCK
<div></div>	PERIMETER PAVING TO ARCH. REQUIREMENTS
<div></div>	LANDSCAPING TO ARCH. REQUIREMENTS

SUBGRADE PREPARATION:
The top layer containing grass and other organic matter is to be scraped away. The top 200mm of the subgrade is then to be lime and cement stabilized using 4% lime and 2% cement. Before sub-base is placed the subgrade surface is to be proof rolled.



A	Issued for tender.	23.11.15	NP	
NO	AMENDMENT	DATE	INITIAL	

SHEET TITLE
SITEWORKS LEVEL PLAN
SHEET 1

CLIENT
Mr Pat Belperio

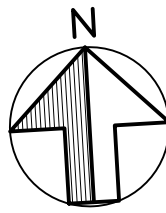
SITE
Lot 52 Reservoir Road
PARADISE

LELIO BIBBO PTY LTD
CONSULTING ENGINEERS
ACN 008 287 223

Civil - Structural - Soil Testing
40 Franklin Street
Adelaide S.A. 5000
Phone 8212 7966 Fax 8212 4911

DESIGN	NP	DATE	6.5.09
DRAWN	NP	SCALE	1:200
REF. NO	151033	SHEET NO	A
			SP1

ERED TREES 8-15m
APPROX.)



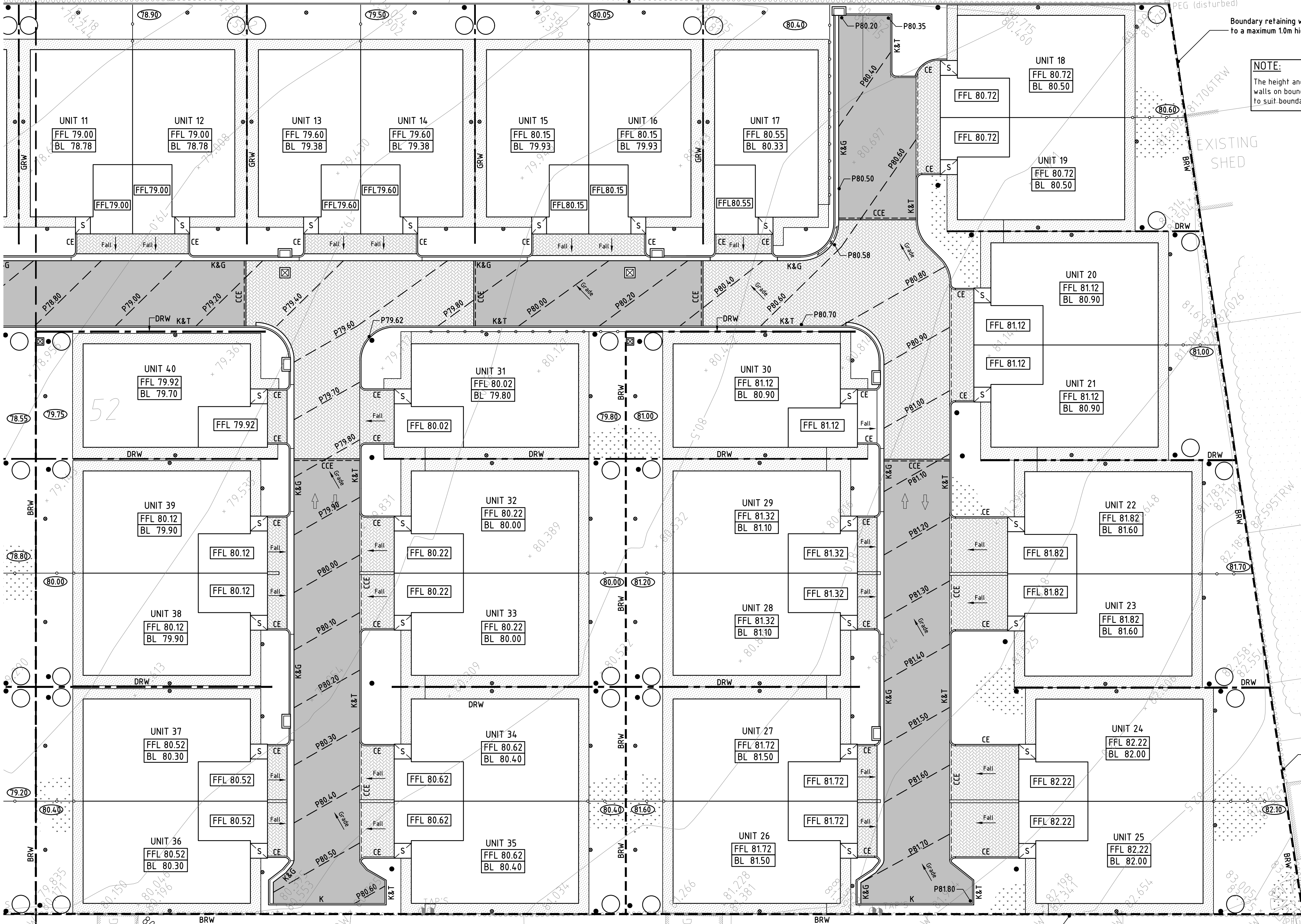
MATCH LINE
Continue on C1

Existing boundary retaining wall

SUBGRADE PREPARATION:
The top layer containing grass and other organic matter is to be scraped away. The top 200mm of the subgrade is then to be lime and cement stabilized using 4% lime and 2% cement. Before sub-base is placed the subgrade surface is to be proof rolled.

LEGEND

FFL 77.65 BL 77.43	FINISHED FLOOR LEVEL BENCH LEVEL
-78.0	EXISTING CONTOUR
* 77.997	EXISTING SPOT LEVEL
P 77.60	PAVEMENT DESIGN LEVEL
P 78.40	PAVEMENT DESIGN CONTOUR
(77.80)	GARDEN SURFACE DESIGN LEVEL
BRW	BOUNDARY RETAINING WALL
DRW	DWELLING RETAINING WALL/FENCE PLINTH
	SEGMENTAL PAVING TO ARCH. REQUIREMENTS SUB BASE: 10 - 15 BEDDING SAND 400 QUARRY RUBBLE
	ASPHALTIC PAVING SUB BASE: 150 FINE CRUSHED ROCK 250 QUARRY RUBBLE
K&G	100 ROLLOVER KERB & GUTTER
K&T	100 ROLLOVER KERB & TRAY
K	100 CONCRETE KERB
CE	100 CONCRETE EDGE
CCE	150 CONCEALED CONCRETE EDGE BLOCK
	PERIMETER PAVING TO ARCH. REQUIREMENTS
	LANDSCAPING TO ARCH. REQUIREMENTS



NOTE:
The height and extent of the retaining walls on boundary to be determined on site to suit boundary conditions.

Boundary retaining wall
to a maximum 1.2m high

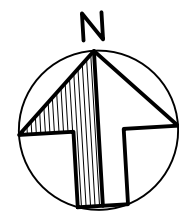
NOTE:
The height and extent of the retaining walls on boundary to be determined on site to suit boundary conditions.

SITEWORKS LEVEL PLAN SHEET 2

CLIENT Mr. Pat Belperio
SITE Reservoir Road
52 PARADISE

LELIO BIBBO PTY LTD
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Civil - Structural - Soil Testing
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DESIGN	NP	DATE	20.11.15
DRAWN	NP	SCALE	1:200
REF. NO	151033	SHEET NO	A
			SP2

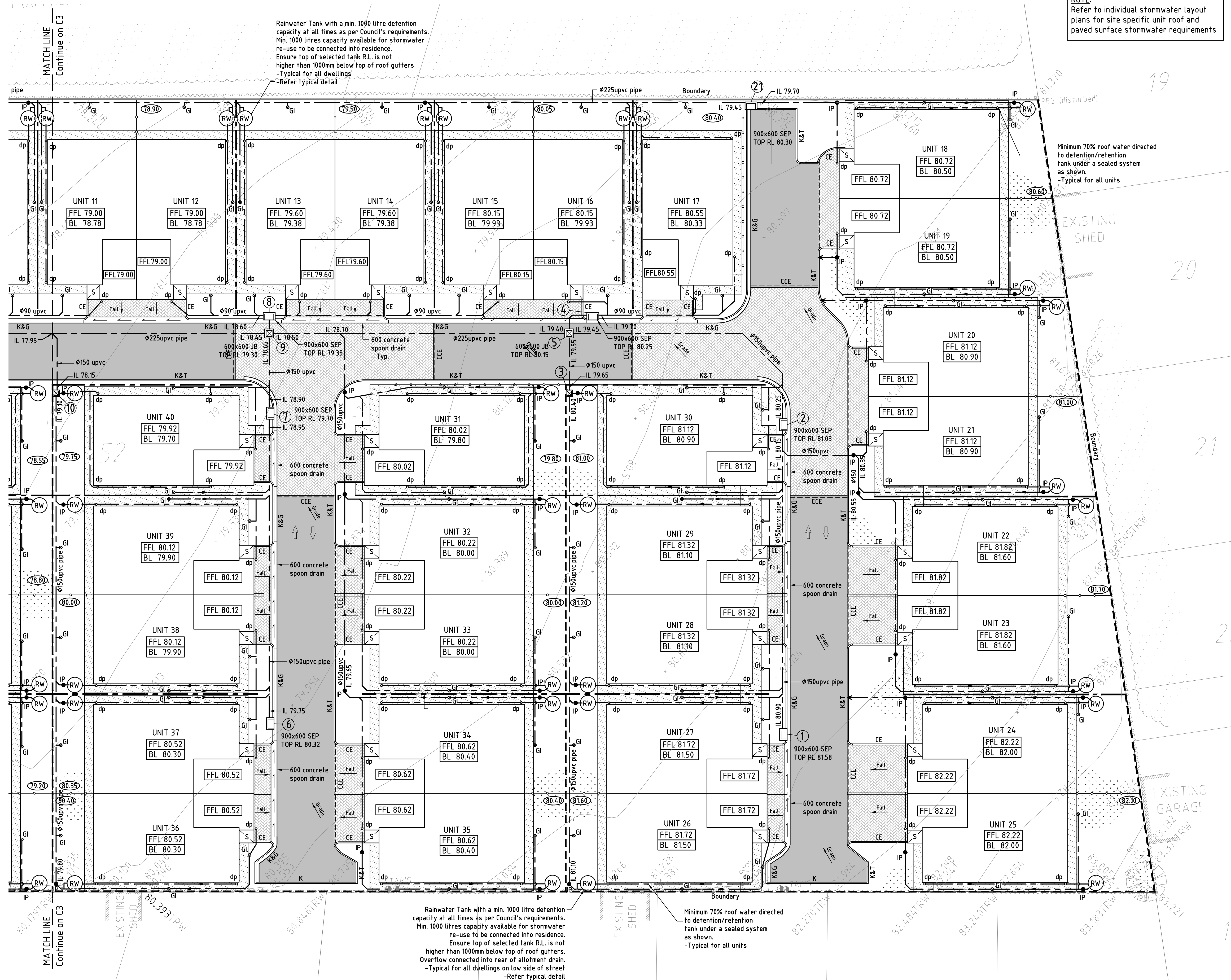


DRAINAGE NOTES:

- D1. All drainage outlet levels shall be confirmed on site, prior to construction
- D2. All pipes within the property to be min. 90 Dia. UPVC at 1% min. grade Unless noted otherwise.
- D3. All PVC pipes to be sewer grade. (SH).
- D4. Provide 300mm cover to top of stormwater pipes unless below concrete paving.
- D5. All pits within the property are to be fitted with 'Gatic' or approved equivalent grates
 - Light duty for landscaped areas
 - Heavy duty where subjected to vehicular traffic.
- D6. Pits within the property may be constructed as:
 - 1) Precast stormwater pits
 - 2) Cast insitu mass concrete
- D7. Ensure all grates to pits are set below finished surface level within the property. Top of pit R.L.'s are approximate only and may be varied subject to approval of the Engineer. All invert levels are to be achieved.
- D8. The site shall be graded and drained so that stormwater will be directed away from the building platform.

LEGEND

FFL 77.65 BL 77.43	FINISHED FLOOR LEVEL BENCH LEVEL
-78.0- x 77.997	EXISTING CONTOUR EXISTING SPOT LEVEL
---	STORMWATER DRAINAGE PIPE
(RW)	RAINWATER TANK (Refer detail on drg. C5)
○ DP	DOWN PIPE
● IP	INSPECTION POINT
○ GI	90 DIA. GRATED INLET PIT
▢ GIP	GRATED INLET PIT
▣ JB	JUNCTION BOX
▢ SEP	SIDE ENTRY PIT
(77.80)	GARDEN SURFACE DESIGN LEVEL
▨	SEGMENTAL PAVING TO ARCH. REQUIREMENTS SUB BASE: 10 - 15 BEDDING SAND 400 QUARRY RUBBLE
■	ASPHALTIC PAVING - 30mm SUB BASE: 200 FINE CRUSHED ROCK 250 QUARRY RUBBLE
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K	100 CONCRETE KERB
CE	100 CONCRETE EDGE
CCE	150 CONCEALED CONCRETE EDGE BLOCK
---	600 WIDE SPOON DRAIN
▨	PERIMETER PAVING TO ARCH. REQUIREMENTS
▨	LANDSCAPING TO ARCH. REQUIREMENTS



NOTE:
Refer to individual stormwater layout plans for site specific unit roof and paved surface stormwater requirements

SHEET TITLE DRAINAGE LAYOUT PLAN SHEET 2

CLIENT Mr. Pat Belperio
SITE Lot 52 Reservoir Road
PARADISE

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DESIGN NP	DATE 23.11.15
DRAWN NP	SCALE 1:200
REF. NO 151033	SHEET NO A
	SP4