

EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT
TEVIOT ROAD, GREENBANK
FOR MIRVAC
SEWER RETICULATION



LOCALITY PLAN

0 100 200 300m
SCALE 1:5000 (A1)

SHEET LIST TABLE	
SHEET NO.	SHEET TITLE
C500	SEWERAGE RETICULATION LOCALITY PLAN & NOTES
C501	SEWERAGE RETICULATION LAYOUT PLAN - SHEET 1 OF 4
C502	SEWERAGE RETICULATION LAYOUT PLAN - SHEET 2 OF 4
C503	SEWERAGE RETICULATION LAYOUT PLAN - SHEET 3 OF 4
C504	SEWERAGE RETICULATION LAYOUT PLAN - SHEET 4 OF 4
C505	SEWERAGE RETICULATION LONG SECTIONS SHEET 1 OF 7
C506	SEWERAGE RETICULATION LONG SECTIONS SHEET 2 OF 7
C507	SEWERAGE RETICULATION LONG SECTIONS SHEET 3 OF 7
C508	SEWERAGE RETICULATION LONG SECTIONS SHEET 4 OF 7
C509	SEWERAGE RETICULATION LONG SECTIONS SHEET 5 OF 7
C510	SEWERAGE RETICULATION LONG SECTIONS SHEET 6 OF 7
C511	SEWERAGE RETICULATION LONG SECTIONS SHEET 7 OF 7

VEGETATION PROTECTION

- A. TREES LOCATED ALONG THE FOOTPATH SHALL BE, TRANSPLANTED PRIOR TO CONSTRUCTION, OR REPLACED IF DESTROYED.
B. WHEN WORKING WITHIN 4m OF TREES, RUBBER OR HARDWOOD GIRDLES SHALL BE CONSTRUCTED WITH 1.8m BATTENS CLOSELY SPACED AND ARRANGED VERTICALLY FROM GROUND LEVEL. GIRDLES SHALL BE STRAPPED TO TREES PRIOR TO CONSTRUCTION AND REMAIN UNTIL COMPLETION.
C. TREE ROOTS SHALL BE TUNNELLED UNDER, RATHER THAN SEVERED. IF ROOTS ARE SEVERED THE DAMAGED AREA SHALL BE TREATED WITH A SUITABLE FUNGICIDE. CONTACT RELEVANT COUNCIL ARBORIST FOR FURTHER ADVICE.
D. ANY TREE LOPPING REQUIRED SHOULD BE UNDERTAKEN BY AN APPROVED ARBORIST

SOIL

- A. TOPSOIL AND SUBSOIL SHALL BE STOCKPILED SEPARATELY.
B. CARE SHALL BE TAKEN TO PREVENT SEDIMENT FROM ENTERING THE STORMWATER SYSTEM. THIS MAY INVOLVE PLACING APPROPRIATE SEDIMENT CONTROLS AROUND STOCKPILES.
C. IF ACID SULPHATE SOILS EXIST IN THE WORKS AREA, ACID SULPHATE SOILS ARE TO MANAGED IN ACCORDANCE WITH AN APPROVED ACID SULPHATE SOIL MANAGEMENT PLAN.

CREEK CROSSINGS

- A. SILTATION CONTROL MEASURES SHALL BE PLACED DOWNSTREAM OF ANY EXCAVATION WORK.
B. APPROPRIATE SEDIMENT CONTROLS SHALL BE USED TO PREVENT SEDIMENT FROM ENTERING THE CREEK.
C. NO SOIL SHALL BE STOCKPILED WITHIN 5m OF THE CREEK.

REHABILITATION

- A. PREDISTURBANCE SOIL PROFILES AND COMPACTION LEVELS SHALL BE REINSTATED.
B. PREDISTURBANCE VEGETATION PATTERNS SHALL BE RESTORED.

SAFETY

- A. THE DESIGN AND CONSTRUCTION OF THE WORKS SHALL COMPLY WITH ALL QUEENSLAND LEGISLATION.

GENERAL NOTES

1. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH CURRENT SOUTH EAST QUEENSLAND SEWERAGE CODE SPECIFICATIONS AND STANDARDS.
2. UNLESS SPECIFIED OTHERWISE ALL MATERIALS AND WORK SHALL COMPLY

- WITH THE RELEVANT AUSTRALIAN STANDARDS.
3. THE CONSTRUCTION OF THE SEWERAGE WORK SHOWN ON THIS DRAWING SHALL BE SUPERVISED BY AN ENGINEER WHO HAS RPEQ REGISTRATION. SEWERAGE WORKS NOT COMPLYING WITH THIS REQUIREMENT WILL NOT BE PERMITTED TO CONNECT INTO THE SEQ SERVICE PROVIDER SEWERAGE SYSTEM.
4. ALL WORK ASSOCIATED WITH LIVE SEWERS OR MAINTENANCE HOLES SHALL BE CARRIED OUT BY THE CONTRACTOR UNDER LOGAN WATER SUPERVISION AT THE DEVELOPER'S COST.
5. ALL PIPES AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE "ACCEPTED PRODUCTS AND MATERIALS" LIST.
6. EACH ALLOTMENT SHALL BE SERVED BY A DN100 PROPERTY CONNECTION. FOR ALLOTMENTS OTHER THAN SINGLE RESIDENTIAL, A DN150 PROPERTY CONNECTION SHALL BE PROVIDED.
7. PROPERTY CONNECTIONS SHALL BE LOCATED WITHIN THE PROPERTY AS SHOWN IN THE DRAWINGS.
8. PROPERTY CONNECTION BRANCHES SHALL EXTEND INTO THE PROPERTY A MINIMUM OF 300mm AND A MAXIMUM OF 750mm.
9. WHERE PIPES ARE LAID IN FILL, THE FILLING SHALL BE CARRIED OUT IN LAYERS NOT EXCEEDING 300mm (LOOSE) IN DEPTH AND SHALL BE COMPACTED UNTIL THE COMPACTION IS NOT LESS THAN 95% OF THE MATERIALS MAXIMUM COMPACTION WHEN TESTED IN ACCORDANCE WITH A.S. 1289 (MODIFIED COMPACTION). TESTING SHALL BE CARRIED OUT AFTER EACH ALTERNATE LAYER. IN ALL SUCH CASES APPROVAL OF CONSTRUCTED SEWERS WILL NOT BE ISSUED BY THE SEQ SERVICE PROVIDER UNLESS CERTIFICATES ARE PRODUCED CERTIFYING THAT THE REQUIRED COMPACTION HAS BEEN ACHIEVED.
10. WHERE SEWERS HAVE A GRADE OF 1 IN 20 OR STEEPER,BULKHEADS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE SEQ SEWER CODE.
11. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF EXISTING SERVICES WITH RELEVANT AUTHORITIES BEFORE COMMENCING WORKS.
12. SEWERS SHALL BE DISUSED /ABANDONED IN ACCORDANCE WITH PROCEDURES SET OUT IN THE SEQ SEWER CODE.
13. BENCH MARK AND LEVELS TO AHD.
14. EXISTING ALLOTMENTS REQUIRING A PROPERTY CONNECTION FROM EXISTING SEWERS SHALL BE PROVIDED BY THE CONTRACTOR UNDER LOGAN WATER SUPERVISION AT THE DEVELOPERS COST.
15. REFER TO BULK EARTHWORKS DRAWINGS FOR FINISHED SURFACE LEVELS.
16. ALL SEWER CONSTRUCTION WORK UNDERTAKEN BY THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE QUEENSLAND WORK HEALTH AND SAFETY ACT. FOR INFORMATION PHONE: 1300 369 915.
17. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS TO ALLOW CONSTRUCTION OF THE SEWER SYSTEM.
18. THE CONTRACTOR IS RESPONSIBLE FOR EXCAVATION AND SAFE SHORING TO ALLOW SEWER MAINTENANCE SECTION TO CARRY OUT LIVE SEWER WORK.
19. CONSTRUCT TRENCHES TO SEQ-SEW-1200-2, WITH EMBEDMENT TYPE 3 SUPPORT MINIMUM TO SEQ-SEW-1201-1, AND ROAD CROSSINGS TO SEQ-SEW-1205-1 AND LCC STANDARDS.
20. CONSTRUCT PROPERTY CONNECTIONS TO SEQ-SEW-1100 SERIES.
21. CONSTRUCT MAINTENANCE STRUCTURES TO SEQ-SEW-1300 SERIES.
22. CONSTRUCT BULKHEADS TO SEQ-SEW-1206-1.
23. INSTALL DETECTABLE MARKER TAPE ON ALL MAINS AND PROPERTY CONNECTIONS.

INDEMNITY - EXISTING SERVICES

NOT WITHSTANDING THAT EXISTING SERVICES MAY OR MAY NOT BE SHOWN ON THESE DRAWINGS, NO RESPONSIBILITY IS TAKEN BY THE ENGINEER OR THE PRINCIPAL FOR THIS INFORMATION WHICH HAS BEEN SUPPLIED BY OTHERS. THE CONTRACTOR SHALL ASCERTAIN THE POSITION OF ALL UNDERGROUND SERVICES PRIOR TO EXCAVATION AND SHALL BE RESPONSIBLE FOR THE COST OF REPAIRS TO DAMAGES CAUSED AS A RESULT OF THE WORKS.

ALL ENVIRONMENT PROTECTION MEASURES SHALL BE IMPLEMENTED PRIOR TO COMMENCING ANY CONSTRUCTION WORK, INCLUDING CLEARING.

ALL SEWER CONSTRUCTION WORK UNDERTAKEN BY THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE QUEENSLAND WORKPLACE HEALTH AND SAFETY ACT 2011. CONTACT THE DIVISION OF HEALTH & SAFETY FOR INFORMATION.
PHONE: 1300 362 128

PROPERTY CONNECTIONS HAVE BEEN DESIGNED TO CONTROL THE REQUIRED SERVICE AREA OF EACH LOT AT A GRADE OF 1:60 AND A MAXIMUM DEPTH OF PROPERTY CONNECTION AT 1.5 m. UNLESS OTHERWISE STATED. FOR JUNCTION DETAILS REFER SEQ-SEW-1104-1 TO SEQ-SEW-1105-1.

CONTACT "DIAL BEFORE YOU DIG" ON 1100 FOR LOCATION OF EXISTING PUBLIC SERVICES PRIOR TO EXCAVATION.

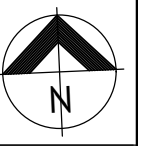
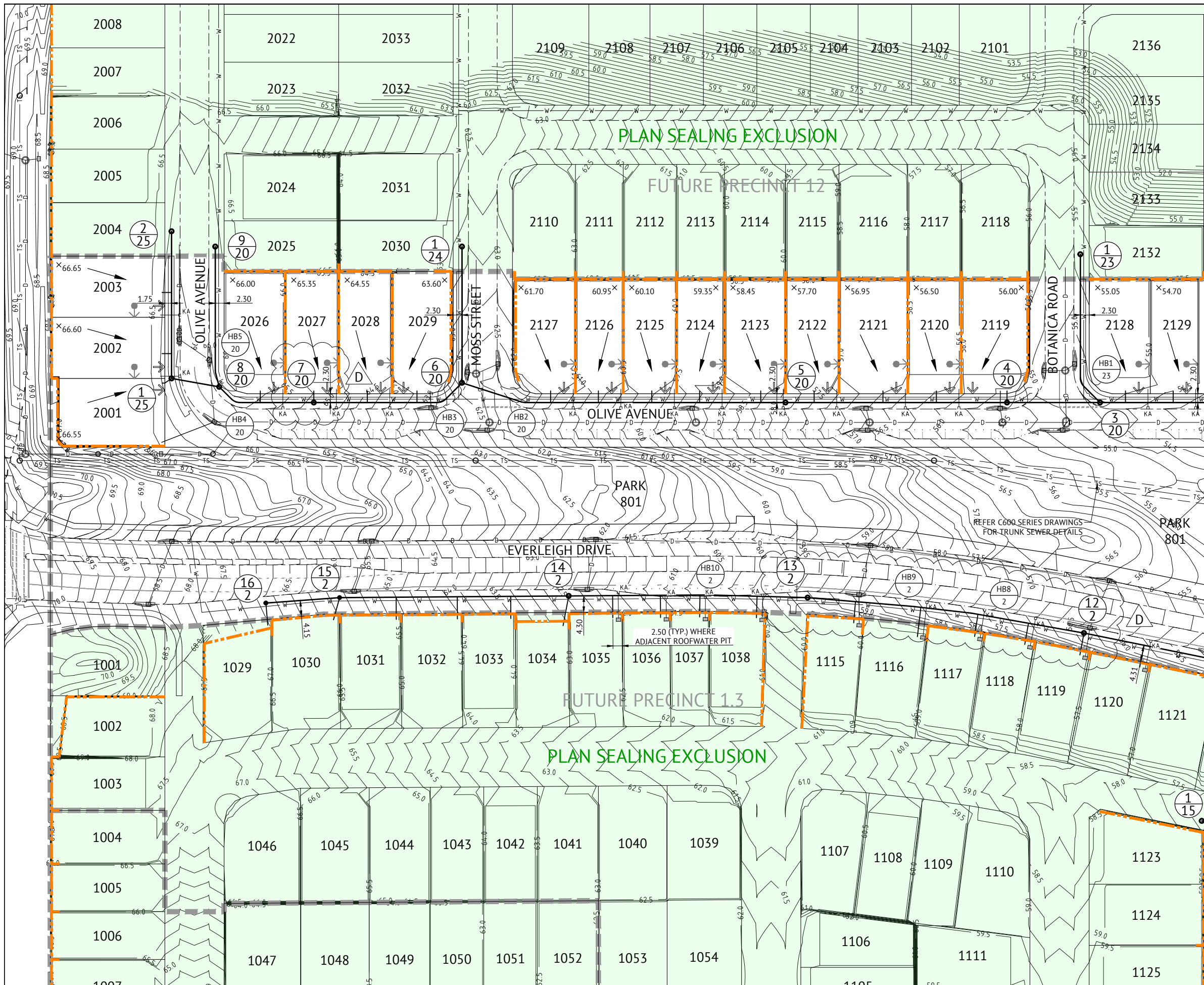
NAME OF ESTATE		EVERLEIGH
SUBDIVIDER		MIRVAC
APPLICATION No.		DEV 2016/768
SP DELEGATE APPROVAL DATE		5 JUNE 2017
DRAWING/PLAN No.		C500-C511
No. OF ALLOTMENTS		104
AREA IN ha.		
LENGTH OF SEWERS	150mm PVC	2687.5m
	225mm PVC	38.9m

B

27/06/18 CONSTRUCTION ISSUE



PROJECT DIRECTOR	DATE	RPEQ	DATE	JOB CODE	SHEET NUMBER	REVISION
JOSHUA STONE	--/--	K. Howells	--/--	MIR001-01	C500	B



LEGEND - PROPOSED

- GRAVITY SEWER
- Ø100mm PROPERTY CONNECTION.
1.2m OFFSET TO BDY OR 6.5m WHERE
ZERO LOT LINE EXISTS (U.N.O.).
- MAINTENANCE STRUCTURE
- PROPOSED MAINTENANCE HOLE OR
MAINTENANCE SHAFT NUMBER.
REFER LONG SECTION DRAWINGS FOR
STRUCTURE DETAILS.
- HORIZONTAL BEND (3m RADIUS).
- LOT NUMBER
- TS TRUNK SEWER
- D STORMWATER DRAINAGE
- W DRINKING WATER MAIN
- 12.0 FINISHED CONTOURS (0.50m)
- ZERO LOT LINE
- FUTURE DRIVEWAY LOCATION
- PROPOSED RETAINING WALL
- STAGE BOUNDARY

LEGEND - EXISTING

- EX HC Ø100mm EXISTING
PROPERTY CONNECTION
- D STORMWATER DRAINAGE
- S GRAVITY SEWER
- W DRINKING WATER MAIN

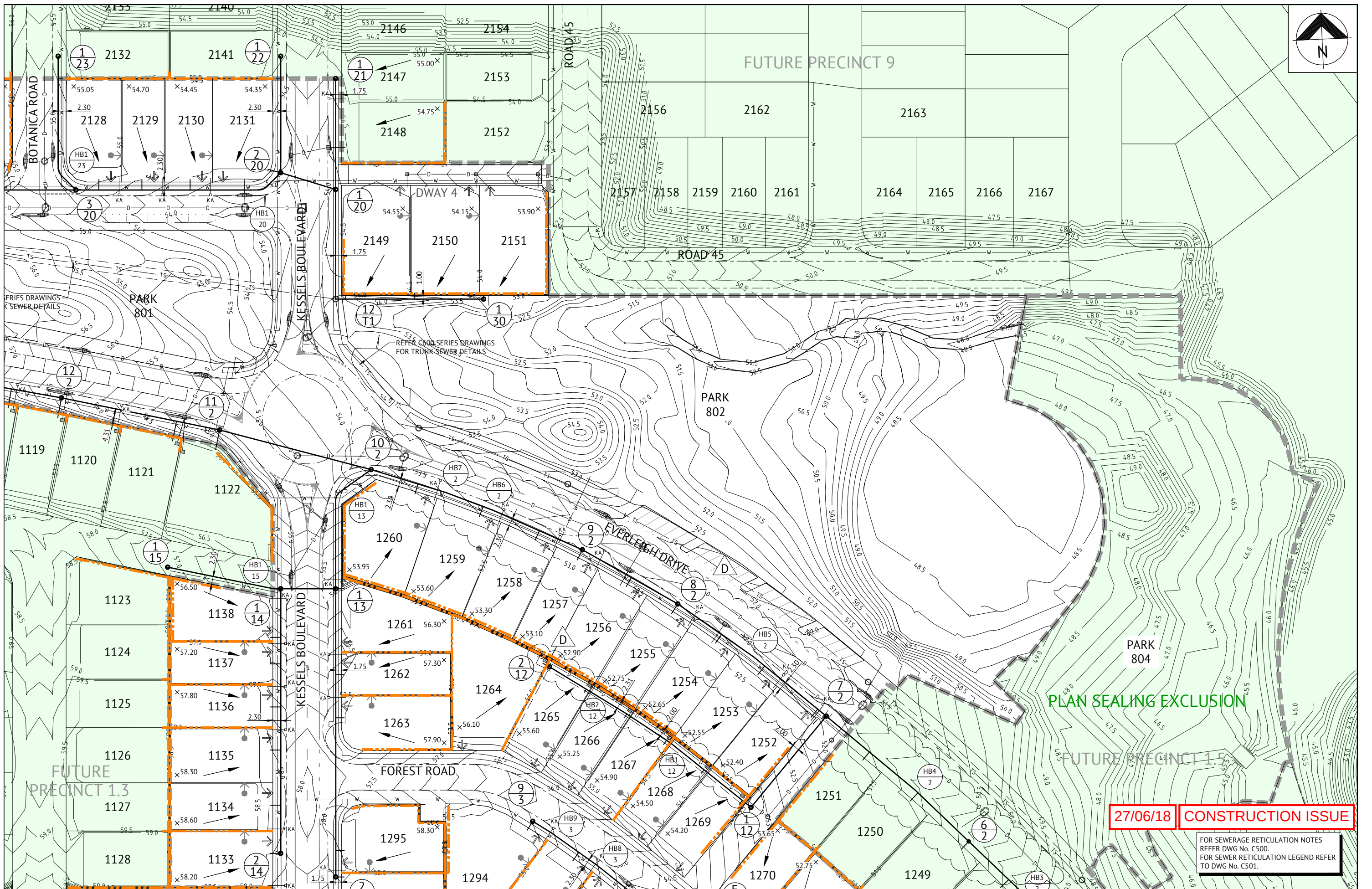
PROPERTY CONNECTIONS HAVE BEEN DESIGNED TO CONTROL THE REQUIRED SERVICE AREA OF EACH LOT AT A GRADE OF 1:60 AND A MAXIMUM DEPTH OF PROPERTY CONNECTION AT 1.5m, UNLESS OTHERWISE STATED.

ALL PROPERTY CONNECTIONS DIA 100 PVC UNLESS OTHERWISE DENOTED.

FOR SEWERAGE RETICULATION NOTES
REFER DWG No. C500.

27/06/18 CONSTRUCTION ISSUE

23/04/18 12/01/18 10/11/17 10/11/17 A	D	AMENDED RETAINING WALL LOCATIONS, LOTS 2129-2131 LOT CALCS, ADD MS (7/20), CHANGED ALIGNMENT (12/2-13/2)	KH	 Premise	BRISBANE OFFICE LEVEL 1, 100 BRUNSWICK STREET PO BOX 361 FORTITUDE VALLEY, QLD 4006 PH: (07) 3253 2222 WEB: www.premise.com.au	DESIGNED	MM	 K. Howells N. Howells	DATE	23/04/18	RPEQ	CLIENT		MIRVAC		JOB CODE MIR001-01	
	C		KH			CHECKED	JS		SCALE	0 10 20 30m		PROJECT	EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT		SHEET NUMBER C501		REV D
	B		KH			PROJECT MANAGER	JS		DATE	23/04/18		LOCATION	TEVIOT ROAD, GREENBANK				
	A		KH			PROJECT DIRECTOR						SHEET TITLE	SEWERAGE RETICULATION LAYOUT PLAN - SHEET 1 OF 4				
	DATE	REV	DESCRIPTION			RPEQ											



27/06/18 CONSTRUCTION ISSUE

FOR SEWERAGE RETICULATION NOTES
REFER DWG No. C500.
FOR SEWER RETICULATION LEGEND REFER
TO DWG No. C501.

DATE	REV	DESCRIPTION	REVISIONS
23/04/18	D	AMENDED RET WALL LOCATIONS, LOT CALC CHANGE LOTS 2129-2131, AMENDED ALIGNMENT LINES 2 & 12	
12/01/18	C	SEWER ALIGNMENTS AND MANHOLE TYPES AMENDED	
10/11/17	B	ADDED PCS, CHANGED STRUCTURE TYPES, ADDED TRENCHSTOPS	
10/11/17	A	ORIGINAL ISSUE	

**Premise**

BRISBANE OFFICE
LEVEL 1, 100 BRUNSWICK STREET
PO BOX 361
FORTITUDE VALLEY, QLD 4006
PH: (07) 3253 2222
WEB: www.premise.com.au

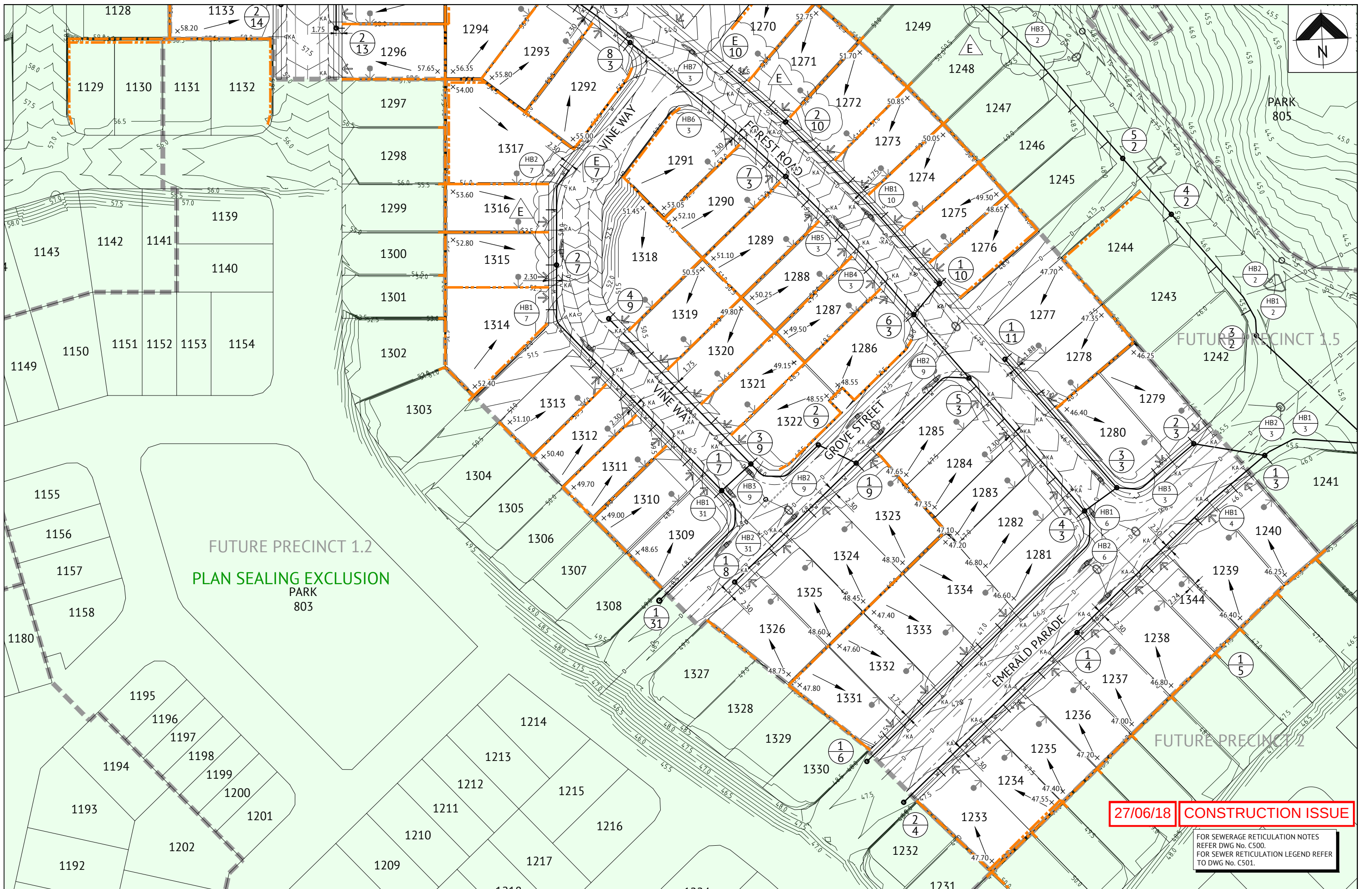
DESIGNED	MM
CHECKED	JS
PROJECT MANAGER	JS
PROJECT DIRECTOR	DATE
	23/04/18

RPEQ

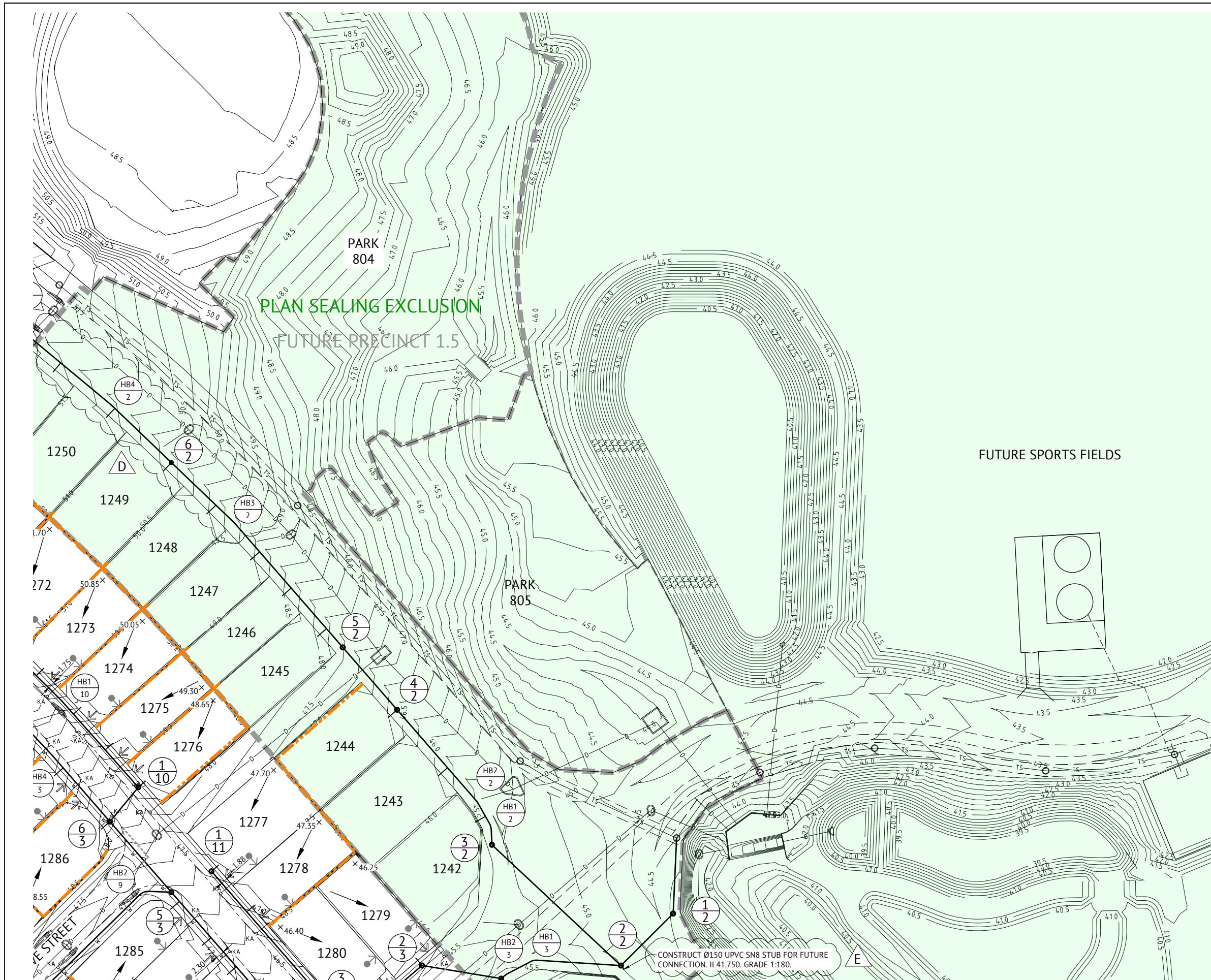
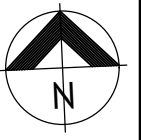
DATE 23/04/18
SCALE
0 10 20 30m
SCALE 1:500 (A1)

CLIENT	MIRVAC
PROJECT	EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT
LOCATION	TEVIOT ROAD, GREENBANK
SHEET TITLE	SEWERAGE RETICULATION LAYOUT PLAN - SHEET 2 OF 4

JOB CODE	MIR001-01
SHEET NUMBER	C502
REV	D



23/04/18 19/01/18 12/01/18 10/11/17 10/11/17 A DATE REV DESCRIPTION REVISIONS		KH KH KH KH KH RPEQ		 BRISBANE OFFICE LEVEL 1, 100 BRUNSWICK STREET PO BOX 361 FORTITUDE VALLEY, QLD 4006 PH: (07) 3253 2222 WEB: www.premise.com.au		DESIGNED MM CHECKED JS PROJECT MANAGER JS PROJECT DIRECTOR JS DATE 23/04/18 JOSHUA STONE		RPEQ K. Howells NATHAN HOWELLS SCALE 0 10 20 30m SCALE 1:500 (A1)		CLIENT MIRVAC PROJECT EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT LOCATION TEVIOT ROAD, GREENBANK SHEET TITLE SEWERAGE RETICULATION LAYOUT PLAN - SHEET 3 OF 4		JOB CODE MIR001-01 SHEET NUMBER C503 REV E	
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27/06/18 CONSTRUCTION ISSUE

FOR SEWERAGE RETICULATION NOTES
REFER DWG No. C500.
FOR SEWER RETICULATION LEGEND REFER
TO DWG No. C501.

04/05/18 E ADDED DETAILS FOR PIPE STUB TO MH 2/2 23/04/18 D AMENDED LINE 2 STRUCTURE LOCATIONS AND ALIGNMENTS 12/01/18 C SEWER ALIGNMENTS AND MANHOLE TYPES AMENDED 10/11/17 B ADDED PCS, CHANGED STRUCTURE TYPES, ADDED TRENCHSTOPS 10/11/17 A ORIGINAL ISSUE DATE REV DESCRIPTION REVISIONS Premise BRISBANE OFFICE LEVEL 1, 100 BRUNSWICK STREET PO BOX 361 FORTITUDE VALLEY, QLD 4006 PH: (07) 3253 2222 WEB: www.premise.com.au DESIGNED MM CHECKED JS PROJECT MANAGER JS PROJECT DIRECTOR JOSHUA STONE DATE 04/05/18 RPEQ R. Howells REGISTERED PROFESSIONAL ENGINEER DATE 04/05/18 SCALE 0 10 20 30m SCALE 1:500 (A1) CLIENT MIRVAC PROJECT EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT LOCATION TEVIOT ROAD, GREENBANK SHEET TITLE SEWERAGE RETICULATION LAYOUT PLAN - SHEET 4 OF 4 JOB CODE MIR001-01 SHEET NUMBER C504 REV E

MAINTENANCE HOLE / SHAFT NO.

MH / MS COVER TYPE

MH / MS TYPE

MH DROP TYPE

LINE NO.

PROPERTY CONNECTION

DEPTH

PROPERTY CONNECTION

INVERT LEVEL

PROPERTY CONNECTION TYPE

LOT NO.

LEGEND - PROPOSED

FP DENOTES VERGE

MANHOLE TYPES	
A	CONCRETE MANHOLE 1.0Ø
B	CONCRETE MANHOLE 1.2Ø
C	CONCRETE MANHOLE 1.5Ø
J	TYPE 'J' 1 MAINTENANCE SHAFT
HB	HORIZONTAL BEND (3m HORIZ. RADIUS)
HTP	HORIZONTAL TANGENT POINT

LID TYPES	
B	CLASS B NON TRAFFICABLE CONCRETE IN FILL
BD	CLASS B NON TRAFFICABLE BOLT DOWN
D	CLASS D TRAFFICABLE CONCRETE IN FILL

MAINTENANCE HOLE DROP TYPES	
V	FALL THROUGH MH
W	OBLIQUE 45° BACKDROP
X	INTERNAL DROP
Y	EXTERNAL DROP
VORT	INTERNAL VORTEX DROP

PROPERTY CONNECTION TYPES	
A	TYPE A - STD
B	TYPE B - SLOPE UP
D	TYPE D - VERTICAL

* EMBEDMENT TYPE 3 WITH CRUSHED
ROCK NOMINAL 5-7mm (SINGLE SIZED).

DATUM RL

PROPERTY DESCRIPTION

PIPE SIZE (mm), CLASS

GRADE (1 IN X)

LENGTH

EMBEDMENT TYPE

DEPTH OF INVERT BELOW FSL

INVERT LEVEL (IL)

FINISHED SURFACE LEVEL (FSL)

EXISTING SURFACE LEVEL (ESL)

CHAINAGE (CH)

LINE

2

27/06/18

CONSTRUCTION ISSUE

DATE	REV	DESCRIPTION	REVISIONS
22/06/18	F	MAINTENANCE SHAFT CHANGED TO CONCRETE MANHOLE AND AMENDED HOUSE CONNECTION LEVELS	KH
04/05/18	E	SOME MAINTENANCE SHAFTS CHANGED TO MANHOLES, ADDITIONAL DETAIL TO PIPE STUBS, BRIDGING STRUCTURE SHOWN	KH
23/04/18	D	MINOR BRIDGING AMENDMENTS & AMENDED LOCATIONS OF STRUCTURES ON LINE 2	KH
12/01/18	C	SEWER ALIGNMENTS AND MANHOLE TYPES AMENDED	KH
10/11/17	B	ADDED PCS, CHANGED STRUCTURE TYPES, ADDED TRENCHSTOPS	KH
10/11/17	A	ORIGINAL ISSUE	KH



BRISBANE OFFICE
LEVEL 1, 100 BRUNSWICK STREET
PO BOX 361
FORTITUDE VALLEY, QLD 4006
PH: (07) 3253 2222
WEB: www.premise.com.au

DESIGNED	MM
CHECKED	JS
PROJECT MANAGER	JS
PROJECT DIRECTOR	DATE 22/06/18

RPEQ	DATE 22/06/18
SCALE	SCALE 1:1000 (A1) SCALE 1:100 (A1)

CLIENT	MIRVAC
PROJECT	EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT
LOCATION	TEVIOT ROAD, GREENBANK
SHEET TITLE	SEWERAGE RETICULATION LONG SECTIONS SHEET 1 OF 7

JOB CODE	MIR001-01
SHEET NUMBER	REV
C505	F

[illegible]

FP DENOTES VERGE

MANHOLE TYPES	
A	CONCRETE MANHOLE 1.00
B	CONCRETE MANHOLE 1.20
C	CONCRETE MANHOLE 1.50
J	TYPE 'J' 1 MAINTENANCE SHAFT
HB	HORIZONTAL BEND (3m HORIZ. RADIUS)
HTP	HORIZONTAL TANGENT POINT

LID TYPES	
B	CLASS B NON TRAFFICABLE CONCRETE IN FILL
BD	CLASS B NON TRAFFICABLE BOLT DOWN
D	CLASS D TRAFFICABLE CONCRETE IN FILL

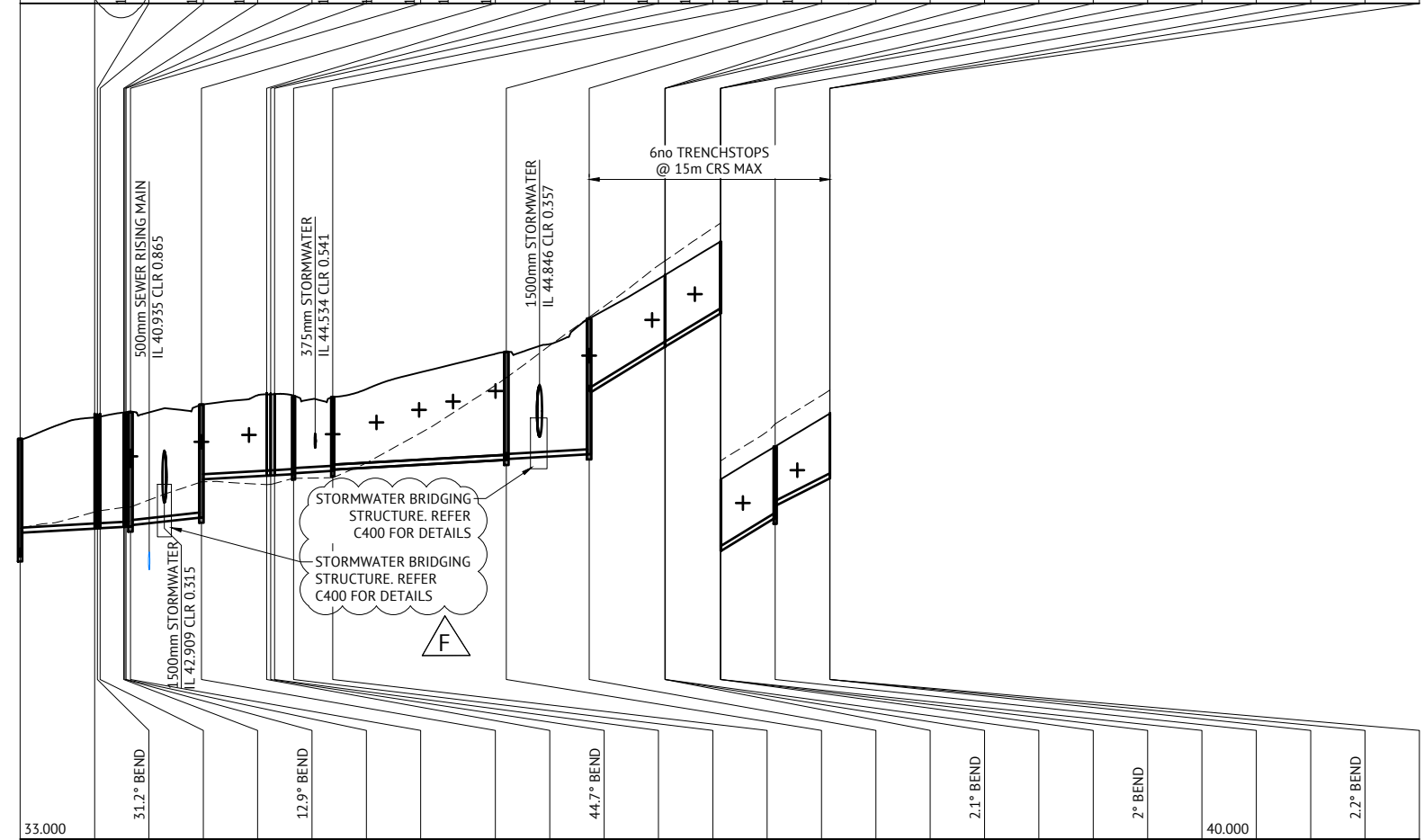
MAINTENANCE HOLE DROP TYPES	
V	FALL THROUGH MH
W	OBLIQUE 45° BACKDROP
X	INTERNAL DROP
Y	EXTERNAL DROP
VORT	INTERNAL VORTEX DROP

PROPERTY CONNECTION TYPES	
A	TYPE A - STD
B	TYPE B - SLOPE UP
D	TYPE D - VERTICAL

* EMBEDMENT TYPE 3 WITH CRUSHED ROCK NOMINAL 5-7mm (SINGLE SIZED).

DATUM RL		47.000		1.8				1.9			51.000	
PROPERTY DESCRIPTION		RR										
PIPE SIZE (mm), CLASS		DN150mm uPVC SN8										
GRADE (1 IN X)		27	27	27	27	21	21	21	21	18	15	
LENGTH		14.863	0.047	0.047	27.955	25.722	0.051	0.051	36.750	60.000	19.351	
EMBEDMENT TYPE		TYPE 3										
DEPTH OF INVERT BELOW FSL	1.649		1.759		1.760		1.760		1.664		1.795	1.769
						1.953	1.972	1.664				1.566
INVERT LEVEL (IL)	56.037	56.581		56.582	56.584	57.606	57.637	58.883	58.885	60.660	64.051	64.081
						58.880	60.545	60.547	60.549	60.690		65.337
FINISHED SURFACE LEVEL (FSL)	57.686	58.340	58.342	58.344	59.559	60.545	60.547	60.549	62.455		65.850	66.903
EXISTING SURFACE LEVEL (ESL)	56.909	57.467	57.468	57.469	57.630	57.619	57.619	57.619	59.259		64.185	65.868
CHAINAGE (CH)	TP 545.044	TP 559.907	IP 559.954	TP 560.000	587.955	TP 613.677	IP 613.728	TP 613.779	650.529		710.529	729.880

LINE 2

[illegible][illegible]

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27/06/18 CONSTRUCTION ISSUE

22/06/18	H	ADDED LOT 1241 HOUSE CONNECTION AND AMENDED LOT 1115 HOUSE CONNECTION INVERT LEVEL	KH
22/05/18	G	MAINTENANCE SHAFT CHANGED TO CONCRETE MANHOLE	KH
04/05/18	E	SOME MAINTENANCE SHAFTS CHANGED TO MANHOLES, BRIDGING STRUCTURES SHOWN	KH
23/04/18	F	MINOR DRAFTING AMENDMENTS & AMENDED LOCATIONS OF STRUCTURES ON LINE 2	KH
19/01/18	D	SEWER PIPE DEPTHS AMENDED	KH
12/01/18	C	SEWER ALIGNMENTS AND MANHOLE TYPES AMENDED	KH
10/11/17	B	ADDED PCS, CHANGED STRUCTURE TYPES, ADDED TRENCHSTOPS	KH
10/11/17	A	ORIGINAL ISSUE	KH
DATE	REV	DESCRIPTION	RPEQ



Premise

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DESIGNED	MM
CHECKED	JS
PROJECT MANAGER	JS
PROJECT DIRECTOR	DATE 22/06/18

RPEQ	DATE
<i>K. Howells</i>	22/06/18
KEITH HOWELLS	RPEQ 7295
SCALE	
SCALE 1:1000 (A1) SCALE 1:100 (A1)	

CLIENT	MIRVAC	JOB CODE	
PROJECT	EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT	MIR001-01	
LOCATION	TEVIOT ROAD, GREENBANK	SHEET NUMBER	REV
SHEET TITLE	SEWERAGE RETICULATION LONG SECTIONS SHEET 2 OF 7	C506	H

MAINTENANCE HOLE / SHAFT NO.

MH / MS COVER TYPE

MH / MS TYPE

MH DROP TYPE

LINE NO.

PROPERTY CONNECTION

DEPTH

PROPERTY CONNECTION

INVERT LEVEL

PROPERTY CONNECTION TYPE

LOT NO.

LEGEND - PROPOSED

FP DENOTES VERGE

MANHOLE TYPES	
A	CONCRETE MANHOLE 1.0Ø
B	CONCRETE MANHOLE 1.2Ø
C	CONCRETE MANHOLE 1.5Ø
J	TYPE 'J' 1 MAINTENANCE SHAFT
HB	HORIZONTAL BEND (3m HORIZ. RADIUS)
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LID TYPES	
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* EMBEDMENT TYPE 3 WITH CRUSHED
ROCK NOMINAL 5-7mm (SINGLE SIZED).

DATUM RL

PROPERTY DESCRIPTION

PIPE SIZE (mm), CLASS

GRADE (1 IN X)

LENGTH

EMBEDMENT TYPE

DEPTH OF INVERT BELOW FSL

INVERT LEVEL (IL)

FINISHED SURFACE LEVEL (FSL)

EXISTING SURFACE LEVEL (ESL)

CHAINAGE (CH)

LINE

3

4

6

DATE	REV	DESCRIPTION	REVISIONS
22/05/18	G	MAINTENANCE SHAFT CHANGED TO CONCRETE MANHOLE	
25/04/18	F	SOME MAINTENANCE SHAFTS CHANGED TO MANHOLES, ADDITIONAL DETAIL TO PIPE STUBS	
19/01/18	E	MINOR DRAFTING AMENDMENTS	
12/01/18	D	SEWER PIPE DEPTHS AMENDED	
10/11/17	C	SEWER ALIGNMENTS AND MANHOLE TYPES AMENDED	
10/11/17	B	ADDED PCS, CHANGED STRUCTURE TYPES, ADDED TRENCHSTOPS	
10/11/17	A	ORIGINAL ISSUE	



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DESIGNED	MM
CHECKED	JS
PROJECT MANAGER	JS
PROJECT DIRECTOR	DATE
	22/05/18

RPEQ

DATE
22/05/18

SCALE
SCALE 1:1000 (A1)
SCALE 1:100 (A1)

CLIENT	MIRVAC
PROJECT	EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT
LOCATION	TEVIOT ROAD, GREENBANK
SHEET TITLE	SEWERAGE RETICULATION LONG SECTIONS SHEET 3 OF 7

JOB CODE	MIR001-01
SHEET NUMBER	C507
REV	G

6no TRENCHSTOPS
@ 15m CRS MAX

+

1.9° BEND

3.3° BEND

3.5° BEND

1241 D 44.465 1.095

150mm WATER
IL 45.497 CLR 1.110

3.9° BEND

INSTALL Ø150 STUB FOR
FUTURE CONNECTION.
GRADE 0.947%.

150mm WATER
IL 45.339 CLR 0.942

INSTALL Ø150 STUB FOR
FUTURE CONNECTION.
GRADE 1.369%.

27/06/18 CONSTRUCTION ISSUE

MAINTENANCE HOLE / SHAFT NO.

MH / MS COVER TYPE

MH / MS TYPE

MH DROP TYPE

LINE NO.

PROPERTY CONNECTION
DEPTH

PROPERTY CONNECTION
INVERT LEVEL

PROPERTY CONNECTION TYPE
LOT NO.

LEGEND - PROPOSED

FP DENOTES VERGE

MANHOLE TYPES	
A	CONCRETE MANHOLE 1.00
B	CONCRETE MANHOLE 1.20
C	CONCRETE MANHOLE 1.50
J	TYPE 'J' 1 MAINTENANCE SHAFT
HB	HORIZONTAL BEND (3m HORIZ. RADIUS)
HTP	HORIZONTAL TANGENT POINT

LID TYPES	
B	CLASS B NON TRAFFICABLE CONCRETE IN FILL
BD	CLASS B NON TRAFFICABLE BOLT DOWN
D	CLASS D TRAFFICABLE CONCRETE IN FILL

MAINTENANCE HOLE DROP TYPES	
V	FALL THROUGH MH
W	OBLIQUE 45° BACKDROP
X	INTERNAL DROP
Y	EXTERNAL DROP
VORT	INTERNAL VORTEX DROP

PROPERTY CONNECTION TYPES	
A	TYPE A - STD
B	TYPE B - SLOPE UP
D	TYPE D - VERTICAL

* EMBEDMENT TYPE 3 WITH CRUSHED
ROCK NOMINAL 5-7mm (SINGLE SIZED).

DATUM RL

PROPERTY DESCRIPTION

PIPE SIZE (mm), CLASS

GRADE (1 IN X)

LENGTH

EMBEDMENT TYPE

DEPTH OF INVERT BELOW FSL

INVERT LEVEL (IL)

FINISHED SURFACE LEVEL (FSL)

EXISTING SURFACE LEVEL (ESL)

CHAINAGE (CH)

LINE

7

8

9

10

DATE	REV	DESCRIPTION	REVISIONS
22/05/18	G	MAINTENANCE SHAFT CHANGED TO CONCRETE MANHOLE	KH
04/05/18	F	SOME MAINTENANCE SHAFTS CHANGED TO MANHOLES, BRIDGING STRUCTURES SHOWN	KH
23/04/18	E	MINOR DRAFTING AMENDMENTS & AMENDED LOCATIONS OF STRUCTURES ON LINE 7 & 10	KH
19/01/18	D	SEWER PIPE DEPTHS AMENDED	KH
12/01/18	C	SEWER ALIGNMENTS AND MANHOLE TYPES AMENDED	KH
10/11/17	B	ADDED PCS, CHANGED STRUCTURE TYPES, ADDED TRENCHSTOPS	KH
10/11/17	A	ORIGINAL ISSUE	KH



BRISBANE OFFICE
LEVEL 1, 100 BRUNSWICK STREET
PO BOX 361
FORTITUDE VALLEY, QLD 4006
PH: (07) 3253 2222
WEB: www.premise.com.au

DESIGNED	MM
CHECKED	JS
PROJECT MANAGER	JS
PROJECT DIRECTOR	DATE 22/05/18

RPEQ	DATE 22/05/18
SCALE	SCALE 1:1000 (A1) SCALE 1:100 (A1)

CLIENT	MIRVAC
PROJECT	EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT
LOCATION	TEVIOT ROAD, GREENBANK
SHEET TITLE	SEWERAGE RETICULATION LONG SECTIONS SHEET 4 OF 7

JOB CODE	MIR001-01
SHEET NUMBER	REV
C508	G

[illegible]

1/13 1/14 F														G 2/14													
B							B							B													
A							A							A													
V							V							V													
14							15							16													
1138 B							55.455							1.094													
1137 B							55.842							1.095													
1136 B							56.431							1.095													
1135 B							56.798							1.095													
1134 B							56.975							1.094													
1133 B							56.815							1.095													

Diagram illustrating a 15x15 grid with a 3x3 subgrid highlighted. The subgrid has columns labeled B, A, V and rows labeled B, A, V. The top row of the subgrid contains 'HTP', 'HB', and 'HTP'. Above the subgrid are labels: '1/14' in a cloud, 'F' in a triangle, 'HB1/15' in a cloud, '1/15' in a cloud, and 'F' in a triangle. To the left of the subgrid is a label '15'.

JOB CODE	
MIR001-01	
SHEET NUMBER	REV
C509	H

MAINTENANCE HOLE / SHAFT NO.

MH / MS COVER TYPE

MH / MS TYPE

MH DROP TYPE

LINE NO.

PROPERTY CONNECTION
DEPTH

PROPERTY CONNECTION
INVERT LEVEL

PROPERTY CONNECTION TYPE
LOT NO.

LEGEND - PROPOSED

FP DENOTES VERGE

MANHOLE TYPES	
A	CONCRETE MANHOLE 1.0Ø
B	CONCRETE MANHOLE 1.2Ø
C	CONCRETE MANHOLE 1.5Ø
J	TYPE 'J' 1 MAINTENANCE SHAFT
HB	HORIZONTAL BEND (3m HORIZ. RADIUS)
HTP	HORIZONTAL TANGENT POINT

LID TYPES	
B	CLASS B NON TRAFFICABLE CONCRETE IN FILL
BD	CLASS B NON TRAFFICABLE BOLT DOWN
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MAINTENANCE HOLE DROP TYPES	
V	FALL THROUGH MH
W	OBLIQUE 45° BACKDROP
X	INTERNAL DROP
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PROPERTY CONNECTION TYPES	
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B	TYPE B - SLOPE UP
D	TYPE D - VERTICAL

* EMBEDMENT TYPE 3 WITH CRUSHED
ROCK NOMINAL 5-7mm (SINGLE SIZED).

DATUM RL

PROPERTY DESCRIPTION

PIPE SIZE (mm), CLASS

GRADE (1 IN X)

LENGTH

EMBEDMENT TYPE

DEPTH OF INVERT BELOW FSL

INVERT LEVEL (IL)

FINISHED SURFACE LEVEL (FSL)

EXISTING SURFACE LEVEL (ESL)

CHAINAGE (CH)

12/T1

1/20

2/20

F

HB1/20

3/20

4/20

5/20

F

HB2/20

F

6/20

HB3/20

F

7/20

HB4/20

F

8/20

HB5/20

F

9/20

1/20

1/21

2/20

1/22

B

B

B

HTP

HB

HTP

A

A

B

HTP

HB

HTP

B

HTP

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HTP

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HTP

HB

HTP

B

HTP

HB

HTP

B

B

B

B

B

T1

21

22

23

20

2131 B

2130 B

2129 B

2128 D

2119 D

2120 B

2121 B

2122 B

2123 B

2124 B

2125 B

2126 D

2127 D

2029 D

2028 D

2027 D

2026 D

53.119

52.915

53.220

53.566

54.475

55.040

55.555

56.386

57.156

58.109

58.853

59.686

60.430

62.514

63.288

64.059

64.611

2131 B

2130 B

2129 B

2128 D

2119 D

2120 B

2121 B

2122 B

2123 B

2124 B

2125 B

2126 D

2127 D

2029 D

2028 D

2027 D

2026 D

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64.611

EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT

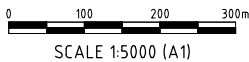
TEVIOT ROAD, GREENBANK

FOR MIRVAC

TRUNK SEWERAGE



LOCALITY PLAN



SHEET LIST TABLE	
SHEET NO.	SHEET TITLE
C600	TRUNK SEWERAGE LOCALITY PLAN & NOTES
C601	TRUNK GRAVITY SEWER INDEX PLAN - SHEET 1 OF 2
C602	TRUNK GRAVITY SEWER INDEX PLAN - SHEET 2 OF 2
C603	TRUNK GRAVITY SEWER LAYOUT PLAN - SHEET 1 OF 3
C604	TRUNK GRAVITY SEWER LAYOUT PLAN - SHEET 2 OF 3
C605	TRUNK GRAVITY SEWER LAYOUT PLAN - SHEET 3 OF 3
C606	TRUNK GRAVITY SEWER LONG SECTIONS - SHEET 1 OF 2
C607	TRUNK GRAVITY SEWER LONG SECTIONS - SHEET 2 OF 2
C610	TRUNK GB2 SEWER RISING MAIN INDEX PLAN
C611	TRUNK GB2 SEWER RISING MAIN LAYOUT - SHEET 1 OF 2
C612	TRUNK GB2 SEWER RISING MAIN LAYOUT - SHEET 2 OF 2
C613	TRUNK GB2 SEWER RISING MAIN LONG SECTION
C620	TRUNK TEVIOT ROAD SEWER RISING MAIN LAYOUT
C621	TRUNK TEVIOT ROAD SEWER RISING MAIN LONG SECTION
C622	SEWER RISING MAIN TYPICAL DETAILS

VEGETATION PROTECTION

- A. TREES LOCATED ALONG THE FOOTPATH SHALL BE, TRANSPLANTED PRIOR TO CONSTRUCTION, OR REPLACED IF DESTROYED.
- B. WHEN WORKING WITHIN 4m OF TREES, RUBBER OR HARDWOOD GIRDLES SHALL BE CONSTRUCTED WITH 1.8m BATTENS CLOSELY SPACED AND ARRANGED VERTICALLY FROM GROUND LEVEL. GIRDLES SHALL BE STRAPPED TO TREES PRIOR TO CONSTRUCTION AND REMAIN UNTIL COMPLETION.
- C. TREE ROOTS SHALL BE TUNNELLED UNDER, RATHER THAN SEVERED. IF ROOTS ARE SEVERED THE DAMAGED AREA SHALL BE TREATED WITH A SUITABLE FUNGICIDE. CONTACT RELEVANT COUNCIL ARBORIST FOR FURTHER ADVICE.
- D. ANY TREE LOPPING REQUIRED SHOULD BE UNDERTAKEN BY AN APPROVED ARBORIST

SOIL

- A. TOPSOIL AND SUBSOIL SHALL BE STOCKPILED SEPARATELY.
- B. CARE SHALL BE TAKEN TO PREVENT SEDIMENT FROM ENTERING THE STORMWATER SYSTEM. THIS MAY INVOLVE PLACING APPROPRIATE SEDIMENT CONTROLS AROUND STOCKPILES.
- C. IF ACID SULPHATE SOILS EXIST IN THE WORKS AREA, ACID SULPHATE SOILS ARE TO MANAGED IN ACCORDANCE WITH AN APPROVED ACID SULPHATE SOIL MANAGEMENT PLAN.

CREEK CROSSINGS

- A. SILTATION CONTROL MEASURES SHALL BE PLACED DOWNSTREAM OF ANY EXCAVATION WORK.
- B. APPROPRIATE SEDIMENT CONTROLS SHALL BE USED TO PREVENT SEDIMENT FROM ENTERING THE CREEK.
- C. NO SOIL SHALL BE STOCKPILED WITHIN 5m OF THE CREEK.

REHABILITATION

- A. PREDISTURBANCE SOIL PROFILES AND COMPACTION LEVELS SHALL BE REINSTATED.
- B. PREDISTURBANCE VEGETATION PATTERNS SHALL BE RESTORED.

SAFETY

- A. THE DESIGN AND CONSTRUCTION OF THE WORKS SHALL COMPLY WITH ALL QUEENSLAND LEGISLATION.

GENERAL NOTES

1. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH CURRENT SOUTH EAST QUEENSLAND SEWERAGE CODE SPECIFICATIONS AND STANDARDS.
2. UNLESS SPECIFIED OTHERWISE ALL MATERIALS AND WORK SHALL COMPLY

- WITH THE RELEVANT AUSTRALIAN STANDARDS.
3. THE CONSTRUCTION OF THE SEWERAGE WORK SHOWN ON THIS DRAWING SHALL BE SUPERVISED BY AN ENGINEER WHO HAS RPEQ REGISTRATION. SEWERAGE WORKS NOT COMPLYING WITH THIS REQUIREMENT WILL NOT BE PERMITTED TO CONNECT INTO THE SEQ SERVICE PROVIDER SEWERAGE SYSTEM.
4. ALL WORK ASSOCIATED WITH LIVE SEWERS OR MAINTENANCE HOLES SHALL BE CARRIED OUT BY THE CONTRACTOR UNDER LOGAN WATER SUPERVISION AT THE DEVELOPER'S COST.
5. ALL PIPES AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE 'ACCEPTED PRODUCTS AND MATERIALS' LIST.
6. WHERE PIPES ARE LAID IN FILL, THE FILLING SHALL BE CARRIED OUT IN LAYERS NOT EXCEEDING 300mm (LOOSE) IN DEPTH AND SHALL BE COMPACTED UNTIL THE COMPACTION IS NOT LESS THAN 95% OF THE MATERIALS MAXIMUM COMPACTION WHEN TESTED IN ACCORDANCE WITH A.S. 1289 (MODIFIED COMPACTION). TESTING SHALL BE CARRIED OUT AFTER EACH ALTERNATE LAYER. IN ALL SUCH CASES APPROVAL OF CONSTRUCTED SEWERS WILL NOT BE ISSUED BY THE SEQ SERVICE PROVIDER UNLESS CERTIFICATES ARE PRODUCED CERTIFYING THAT THE REQUIRED COMPACTION HAS BEEN ACHIEVED.
7. WHERE SEWERS HAVE A GRADE OF 1 IN 20 OR STEEPER, BULKHEADS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE SEQ SEWER CODE.
8. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF EXISTING SERVICES WITH RELEVANT AUTHORITIES BEFORE COMMENCING WORKS.
9. SEWERS SHALL BE DISUSED /ABANDONED IN ACCORDANCE WITH PROCEDURES SET OUT IN THE SEQ SEWER CODE.
10. BENCH MARK AND LEVELS TO AHD.
11. REFER TO BULK EARTHWORKS DRAWINGS FOR FINISHED SURFACE LEVELS.
12. ALL SEWER CONSTRUCTION WORK UNDERTAKEN BY THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE QUEENSLAND WORK HEALTH AND SAFETY ACT. FOR INFORMATION PHONE: 1300 369 915.
13. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS TO ALLOW CONSTRUCTION OF THE SEWER SYSTEM.
14. THE CONTRACTOR IS RESPONSIBLE FOR EXCAVATION AND SAFE SHORING TO ALLOW SEWER MAINTENANCE SECTION TO CARRY OUT LIVE SEWER WORK.
15. CONSTRUCT TRENCHES TO SEQ-SEW-1200-2, WITH EMBEDMENT TYPE 3 SUPPORT MINIMUM TO SEQ-SEW-1201-1, AND ROAD CROSSINGS TO SEQ-SEW-1205-1.
16. CONSTRUCT MAINTENANCE STRUCTURES TO SEQ-SEW-1300 SERIES.
17. CONSTRUCT BULKHEADS TO SEQ-SEW-1206-1.
18. INSTALL DETECTABLE MARKER TAPE ON ALL MAINS AND PROPERTY CONNECTIONS.
19. SEWER MANHOLES ARE TO BE CONSTRUCTED WITH CALCAREOUS AGGREGATE AS OUTLINED IN THE SEQ CODE. AN ALTERNATIVE SOLUTION WITH THE USE OF PE LINING IS ACCEPTABLE.

LOGAN WATER HOLD POINT INSPECTION OF TRUNK SEWER BENDS:

CONTRACTOR SHALL NOTIFY THE SUPERINTENDENT AND LOGAN WATER MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTING PIPE BENDS IN THE TRUNK SEWER MAIN AND PRIOR TO BACK FILLING TO ARRANGE INSPECTION.



INDEMNITY - EXISTING SERVICES

NOT WITHSTANDING THAT EXISTING SERVICES MAY OR MAY NOT BE SHOWN ON THESE DRAWINGS, NO RESPONSIBILITY IS TAKEN BY THE ENGINEER OR THE PRINCIPAL FOR THIS INFORMATION WHICH HAS BEEN SUPPLIED BY OTHERS. THE DETAILS ARE PROVIDED FOR INFORMATION ONLY. THE CONTRACTOR SHALL ASCERTAIN THE POSITION OF ALL UNDERGROUND SERVICES PRIOR TO EXCAVATION AND SHALL BE RESPONSIBLE FOR THE COST OF REPAIRS TO DAMAGES CAUSED AS A RESULT OF THE WORKS.

ALL ENVIRONMENT PROTECTION MEASURES SHALL BE IMPLEMENTED PRIOR TO COMMENCING ANY CONSTRUCTION WORK, INCLUDING CLEARING.

ALL SEWER CONSTRUCTION WORK UNDERTAKEN BY THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE QUEENSLAND WORKPLACE HEALTH AND SAFETY ACT 2011. CONTACT THE DIVISION OF HEALTH & SAFETY FOR INFORMATION.
PHONE: 1300 362 128

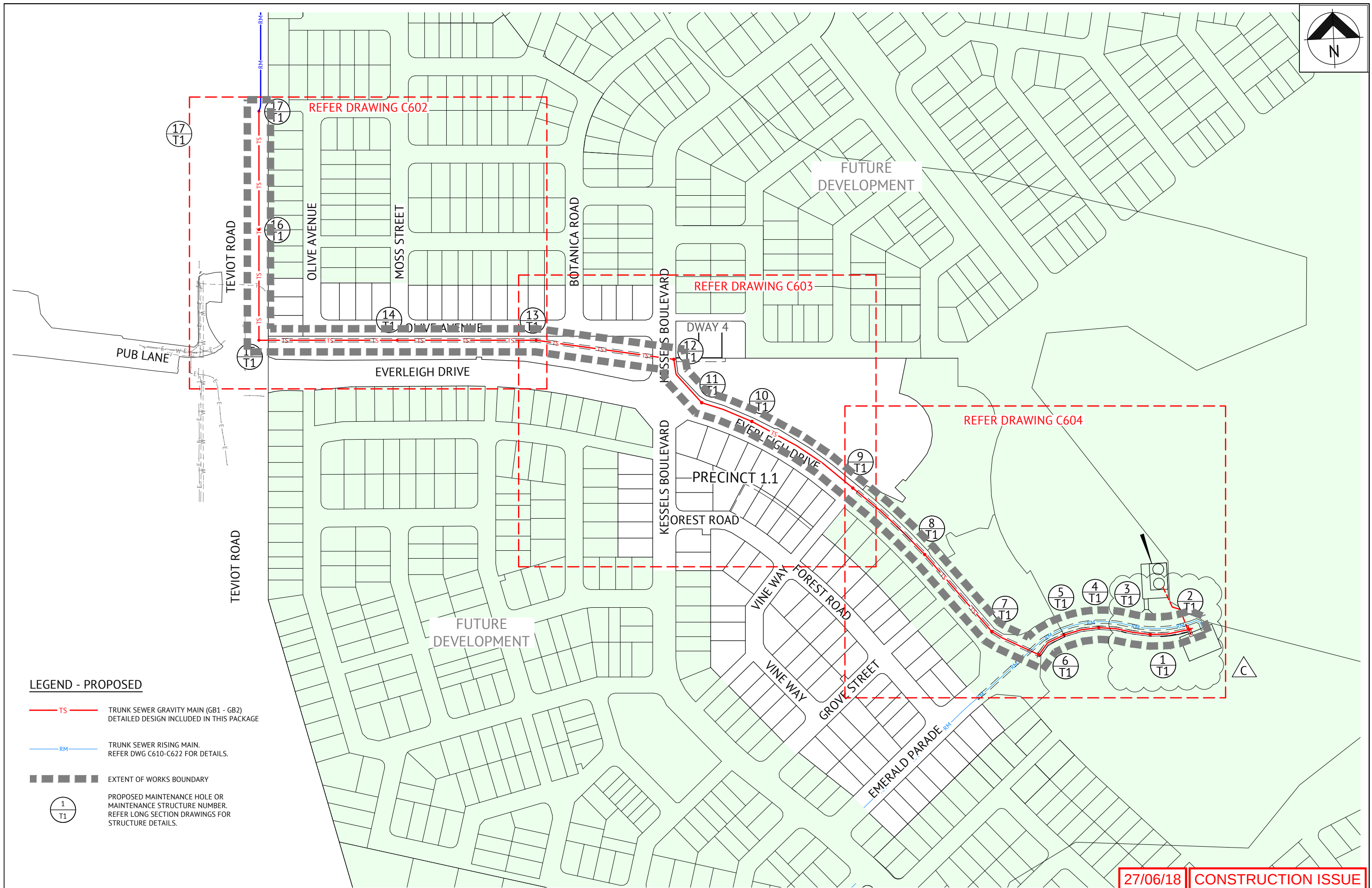
CONTACT 'DIAL BEFORE YOU DIG' ON 1100 FOR LOCATION OF EXISTING PUBLIC SERVICES PRIOR TO EXCAVATION.

NAME OF ESTATE		EVERLEIGH
SUBDIVIDER		MIRVAC
APPLICATION No.		DEV 2016/768
SP DELEGATE APPROVAL DATE		5 JUNE 2017
DRAWING/PLAN No.		-
No. OF ALLOTMENTS		-
AREA IN ha.		-
LENGTH OF SEWERS	DN225	557.1
	DN300	415.5
	DN375	138.5
LENGTH OF RISING MAINS	OD280	592.4
	OD450	638.8



27/06/18 CONSTRUCTION ISSUE

PROJECT DIRECTOR	DATE	RPEQ	DATE	JOB CODE	SHEET NUMBER	REVISION
JOSHUA STONE	23/02/18	K. Howells	23/02/18	MIR001-01	C600	D

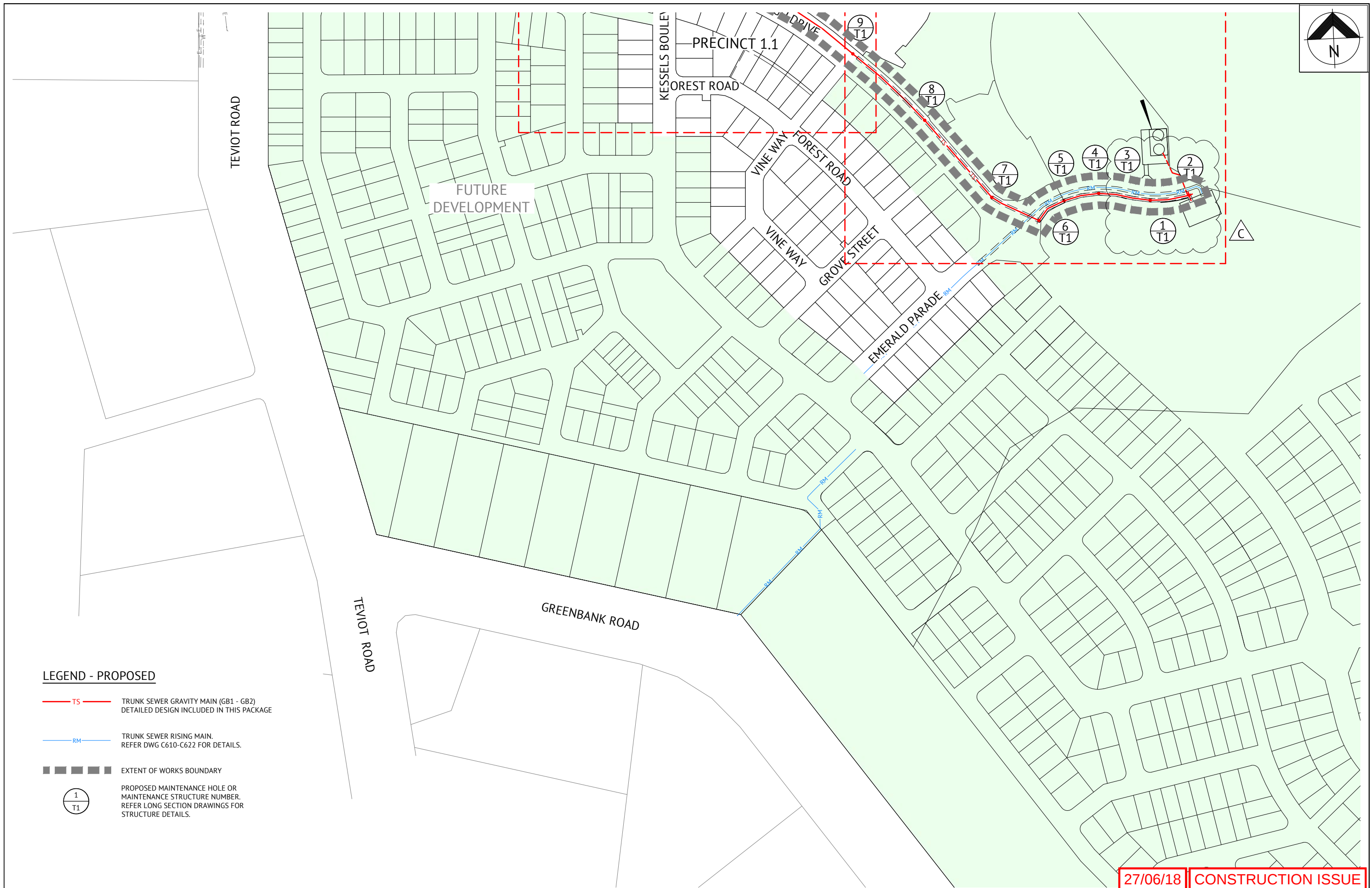


LEGEND - PROPOSED

- TS — TRUNK SEWER GRAVITY MAIN (GB1 - GB2)
DETAILED DESIGN INCLUDED IN THIS PACKAGE
- RM — TRUNK SEWER RISING MAIN.
REFER DWG C610-C622 FOR DETAILS.
- ■ ■ ■ ■ EXTENT OF WORKS BOUNDARY
- 1
T1 PROPOSED MAINTENANCE HOLE OR
MAINTENANCE STRUCTURE NUMBER.
REFER LONG SECTION DRAWINGS FOR
STRUCTURE DETAILS.

27/06/18 CONSTRUCTION ISSUE

26/04/18 C AMENDED ALIGNMENT BETWEEN 1/T1 AND 3/T1 21/12/17 B FOR APPROVAL 06/10/17 A ORIGINAL ISSUE DATE REV DESCRIPTION			 BRISBANE OFFICE LEVEL 1, 100 BRUNSWICK STREET PO BOX 361 FORTITUDE VALLEY, QLD 4006 PH: (07) 3253 2222 WEB: www.premise.com.au KH KH KH RPEQ		DESIGNED MM CHECKED JS PROJECT MANAGER JS PROJECT DIRECTOR JS DATE 26/04/18 JOSHUA STONE	RPEQ H. Howells 26/04/18 NORTH WELLS NPEQ 7295 SCALE 0 30 60 90m SCALE 1:1500 (A1)	CLIENT MIRVAC PROJECT EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT LOCATION TEVIOT ROAD, GREENBANK SHEET TITLE TRUNK GRAVITY SEWER INDEX PLAN - SHEET 1 OF 2	JOB CODE MIR001-01 SHEET NUMBER C601 REV C
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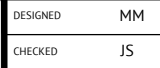


LEGEND - PROPOSED

- TS — TRUNK SEWER GRAVITY MAIN (GB1 - GB2)
DETAILED DESIGN INCLUDED IN THIS PACKAGE
- RM — TRUNK SEWER RISING MAIN.
REFER DWG C610-C622 FOR DETAILS.
- ■ ■ ■ ■ EXTENT OF WORKS BOUNDARY
- 1
T1

 PROPOSED MAINTENANCE HOLE OR
MAINTENANCE STRUCTURE NUMBER.
REFER LONG SECTION DRAWINGS FOR
STRUCTURE DETAILS.

27/06/18 CONSTRUCTION ISSUE

			 BRISBANE OFFICE LEVEL 1, 100 BRUNSWICK STREET PO BOX 361 FORTITUDE VALLEY, QLD 4006 PH: (07) 3253 2222 WEB: www.premise.com.au	DESIGNED MM		RPEQ  DATE 26/04/18		CLIENT MIRVAC			JOB CODE		
				CHECKED JS		SCALE  RPEQ 7295		PROJECT EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT			MIR001-01		
				PROJECT MANAGER JS		SCALE  SCALE 1:1500 (A1)		LOCATION TEVIOT ROAD, GREENBANK			SHEET NUMBER		
				PROJECT DIRECTOR  DATE 26/04/18				SHEET TITLE TRUNK GRAVITY SEWER INDEX PLAN - SHEET 2 OF 2			REV		
26/04/18 C AMENDED ALIGNMENT BETWEEN 1/T1 AND 3/T1 21/12/17 B FOR APPROVAL 06/10/17 A ORIGINAL ISSUE			KH KH KH										
DATE REV DESCRIPTION			RPEQ										
			REVISIONS										

LEGEND - PROPOSED

— TS — TRUNK SEWER GRAVITY MAIN
(GB1 - GB2) DETAILED DESIGN INCLUDED
IN THIS PACKAGE

RM TRUNK SEWER RISING MAIN.
REFER DWG C610-C622 FOR DETAILS.

38 LOT NUMBER

1
T1

PROPOSED MAINTENANCE HOLE OR
MAINTENANCE STRUCTURE NUMBER.
REFER LONG SECTION DRAWINGS FOR
STRUCTURE DETAILS.

HB 1/T1 PROPOSED HORIZONTAL BEND

—S—●— SEWER RETICULATION

—D— STORMWATER DRAINAGE

—W— DRINKING WATER MAIN

—————12.0————— FINISHED CONTOURS
(0.50m)

■ ■ ■ ■ ■ EXTENT OF WORKS BOUNDARY

LEGEND - EXISTING

— — — S — — — S — — — EX HC
Ø110mm EXISTING
PROPERTY CONNECTION

— D — STORMWATER DRAINAGE

— — — S — — — S — GRAVITY SEWER

— — —W— — —W— DRINKING WATER MAIN

— —12.0— — EXISTING CONTOURS (0.50m)

TELSTRA OVERHEAD
ELECTRICITY

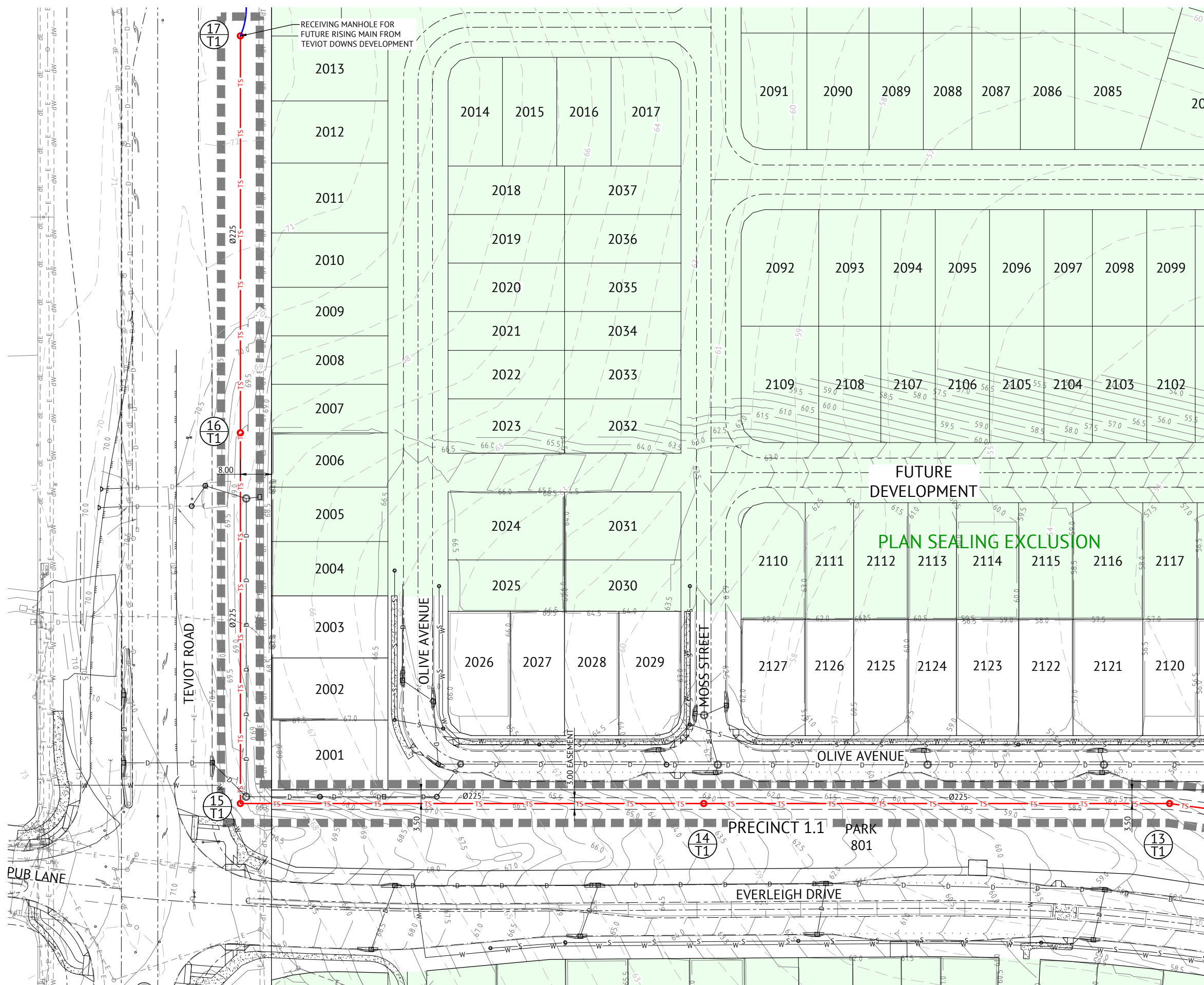
TEMPORARY TANKERING NOTES

1. DESIGN AND CONSTRUCT COMPONENT OF THE WORKS
 - TANKS
 - PUMP SIZE FROM PUMP MANHOLE
 - PUMPS ARE TO BE SIZED ACCORDING TO THE MAXIMUM FLOW
2. DESIGN TO BE SUBMITTED TO SUPERINTENDENT FOR APPROVAL.
3. STORAGE AND FLOW CAPACITIES TO BE DETERMINED IN CONSULTATION WITH THE SUPERINTENDENT.

NOTE:

FOR NOTES REFER TO DRAWING C600 TRUNK
SEWERAGE LOCALITY PLAN AND NOTES.

27/06/18 CONSTRUCTION ISSUE



13/04/18	C	AMENDED LINEAR PARK LEVELS	
21/12/17	B	FOR APPROVAL	KH
13/04/18	A	ORIGINAL ISSUE	KH
DATE	REV	DESCRIPTION	RPOC

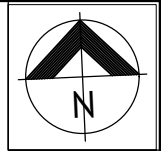
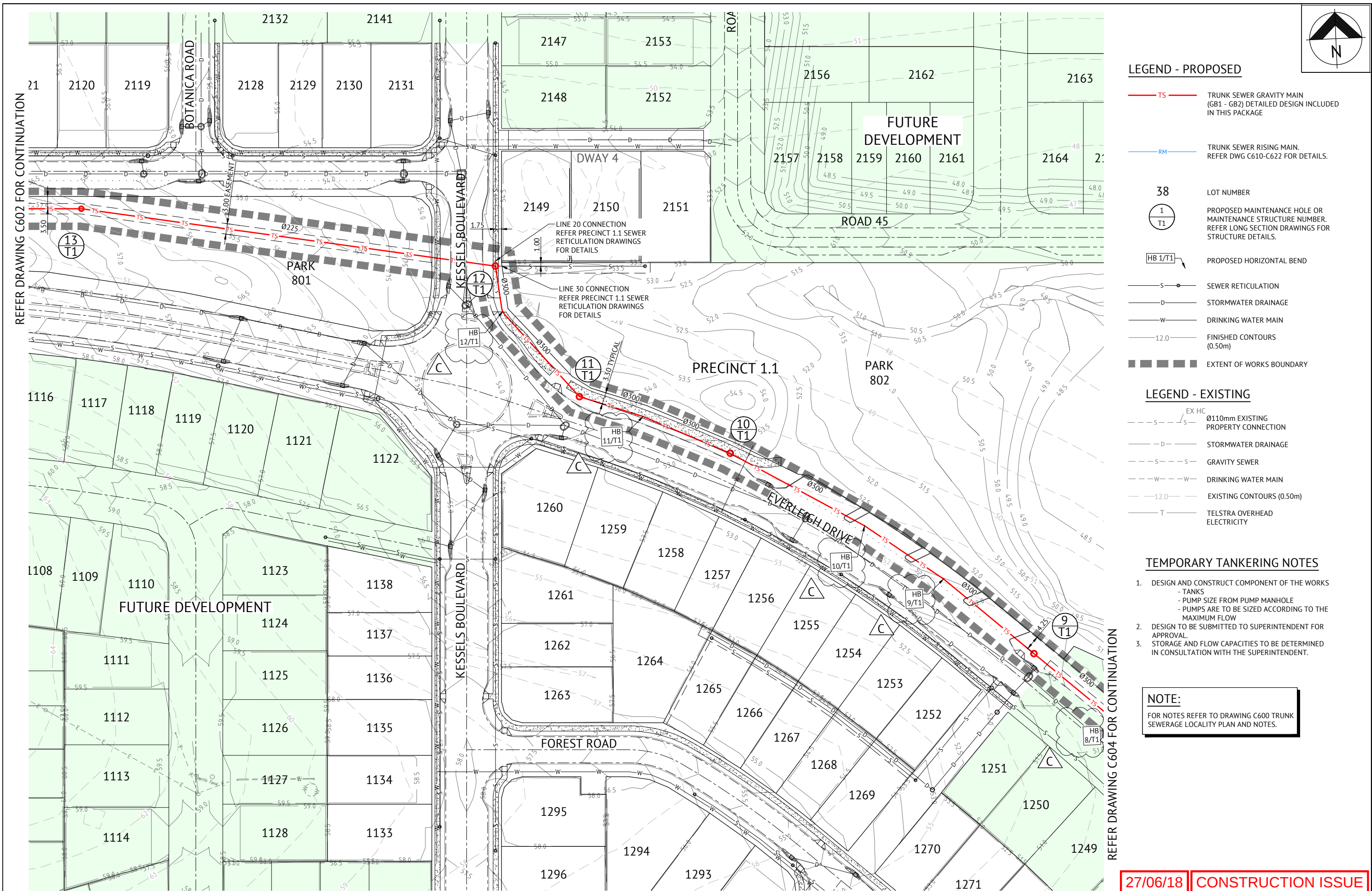


BRISBANE OFFICE
LEVEL 1, 100 BRUNSWICK STREET
PO BOX 361
FORTITUDE VALLEY, QLD 4006
PH: (07) 3253 2222
WEB: www.premise.com.au

DESIGNED	MM
CHECKED	JS
PROJECT MANAGER	JS
PROJECT DIRECTOR	DATE 13/04/18

RPEQ	DATE
<i>K. Howells</i> KEVIN HOWELLS	13/04/18
SCALE	RPEQ 7295
 SCALE 1:500 (A1)	

CLIENT		MIRVAC		JOB CODE	
PROJECT		EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT		MIR001-01	
LOCATION		TEVIOT ROAD, GREENBANK		SHEET NUMBER	REV
SHEET TITLE		TRUNK GRAVITY SEWER LAYOUT PLAN - SHEET 1 OF 3		C603	C



LEGEND - PROPOSED

- TS — TRUNK SEWER GRAVITY MAIN (GB1 - GB2) DETAILED DESIGN INCLUDED IN THIS PACKAGE
- RM — TRUNK SEWER RISING MAIN. REFER DWG C610-C622 FOR DETAILS.
- 38 LOT NUMBER
- 1
T1 PROPOSED MAINTENANCE HOLE OR MAINTENANCE STRUCTURE NUMBER. REFER LONG SECTION DRAWINGS FOR STRUCTURE DETAILS.
- HB 1/T1 PROPOSED HORIZONTAL BEND
- S — SEWER RETICULATION
- D — STORMWATER DRAINAGE
- W — DRINKING WATER MAIN
- 12.0 — FINISHED CONTOURS (0.50m)
- EXTENT OF WORKS BOUNDARY

LEGEND - EXISTING

- EX HC — Ø110mm EXISTING PROPERTY CONNECTION
- D — STORMWATER DRAINAGE
- S — GRAVITY SEWER
- W — DRINKING WATER MAIN
- 12.0 — EXISTING CONTOURS (0.50m)
- T — TELSTRA OVERHEAD ELECTRICITY

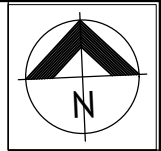
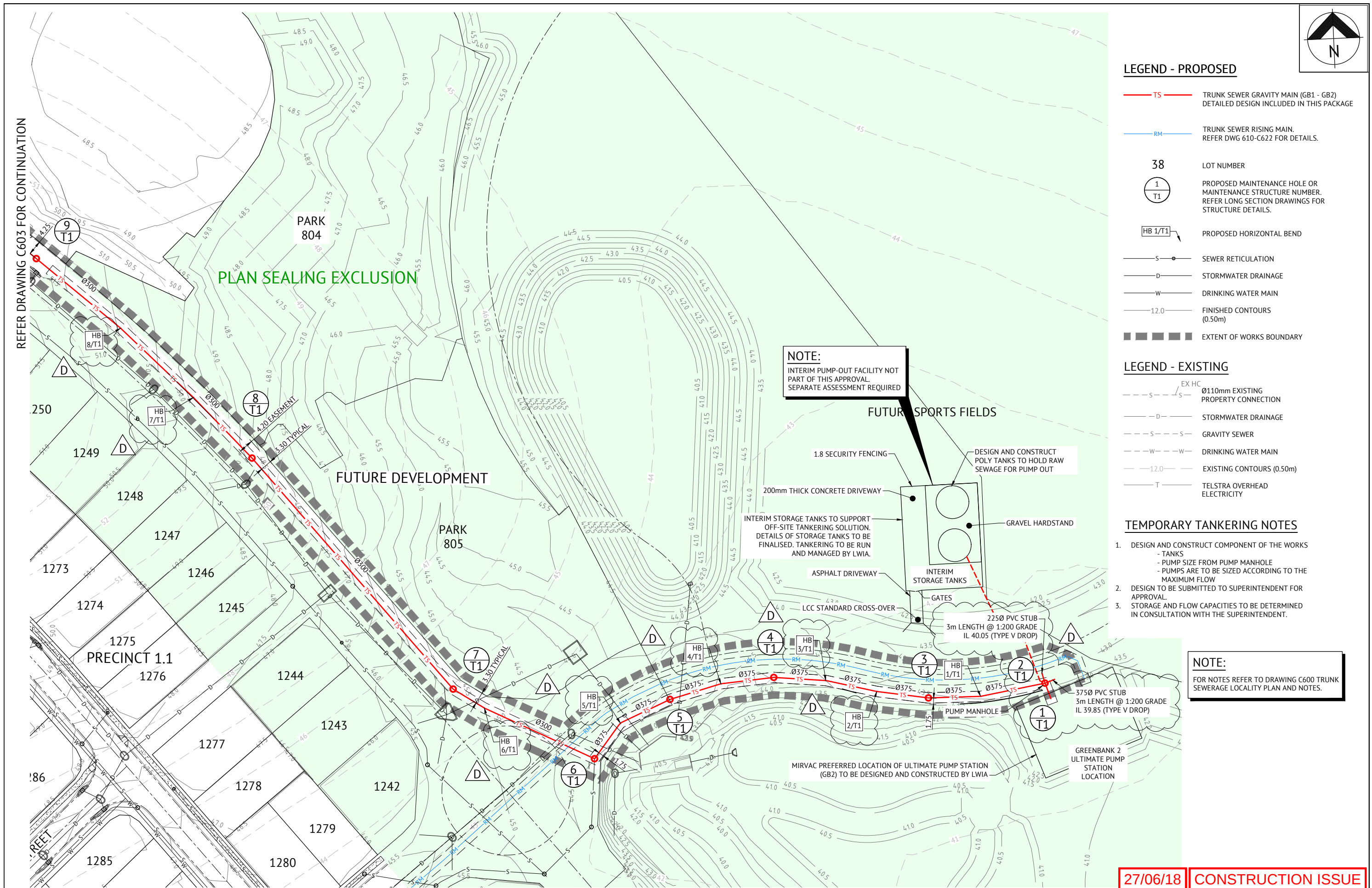
TEMPORARY TANKERING NOTES

- DESIGN AND CONSTRUCT COMPONENT OF THE WORKS
 - TANKS
 - PUMP SIZE FROM PUMP MANHOLE
 - PUMPS ARE TO BE SIZED ACCORDING TO THE MAXIMUM FLOW
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- STORAGE AND FLOW CAPACITIES TO BE DETERMINED IN CONSULTATION WITH THE SUPERINTENDENT.

NOTE:
FOR NOTES REFER TO DRAWING C600 TRUNK SEWERAGE LOCALITY PLAN AND NOTES.

27/06/18 CONSTRUCTION ISSUE

								BRISBANE OFFICE LEVEL 1, 100 BRUNSWICK STREET PO BOX 361 FORTITUDE VALLEY, QLD 4006 PH: (07) 3253 2222 WEB: www.premise.com.au		<table><tr><td>DESIGNED</td><td>MM</td></tr><tr><td>CHECKED</td><td>JS</td></tr><tr><td>PROJECT MANAGER</td><td>JS</td></tr><tr><td>PROJECT DIRECTOR</td><td>DATE</td></tr><tr><td></td><td>13/04/18</td></tr><tr><td colspan="2">JOSHUA STONE</td></tr></table>		DESIGNED	MM	CHECKED	JS	PROJECT MANAGER	JS	PROJECT DIRECTOR	DATE		13/04/18	JOSHUA STONE		<table><tr><td>RPEQ</td><td>DATE</td></tr><tr><td></td><td>13/04/18</td></tr><tr><td colspan="2">NATE HOWELLS</td></tr><tr><td colspan="2">RPEQ 7295</td></tr><tr><td colspan="2">SCALE</td></tr><tr><td colspan="2"></td></tr><tr><td colspan="2">SCALE 1:500 (A1)</td></tr></table>		RPEQ	DATE		13/04/18	NATE HOWELLS		RPEQ 7295		SCALE				SCALE 1:500 (A1)		<table><tr><td>CLIENT</td><td colspan="3">MIRVAC</td></tr><tr><td>PROJECT</td><td colspan="3">EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT</td></tr><tr><td>LOCATION</td><td colspan="3">TEVIOT ROAD, GREENBANK</td></tr><tr><td>SHEET TITLE</td><td colspan="3">TRUNK GRAVITY SEWER LAYOUT PLAN - SHEET 2 OF 3</td></tr></table>				CLIENT	MIRVAC			PROJECT	EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT			LOCATION	TEVIOT ROAD, GREENBANK			SHEET TITLE	TRUNK GRAVITY SEWER LAYOUT PLAN - SHEET 2 OF 3			<table><tr><td colspan="2">JOB CODE</td></tr><tr><td colspan="2">MIR001-01</td></tr><tr><td>SHEET NUMBER</td><td>REV</td></tr><tr><td>C604</td><td>C</td></tr></table>		JOB CODE		MIR001-01		SHEET NUMBER	REV	C604	C
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LEGEND - PROPOSED

- TS TRUNK SEWER GRAVITY MAIN (GB1 - GB2) DETAILED DESIGN INCLUDED IN THIS PACKAGE
- RM TRUNK SEWER RISING MAIN. REFER DWG 610-C622 FOR DETAILS.
- 38 LOT NUMBER
- 1/T1 PROPOSED MAINTENANCE HOLE OR MAINTENANCE STRUCTURE NUMBER. REFER LONG SECTION DRAWINGS FOR STRUCTURE DETAILS.
- HB 1/T1 PROPOSED HORIZONTAL BEND
- S SEWER RETICULATION
- D STORMWATER DRAINAGE
- W DRINKING WATER MAIN
- 12.0 FINISHED CONTOURS (0.50m)
- EXTENT OF WORKS BOUNDARY

LEGEND - EXISTING

- EX HC Ø110mm EXISTING PROPERTY CONNECTION
- D STORMWATER DRAINAGE
- S GRAVITY SEWER
- W DRINKING WATER MAIN
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NOTE:
FOR NOTES REFER TO DRAWING C600 TRUNK SEWERAGE LOCALITY PLAN AND NOTES.

27/06/18 CONSTRUCTION ISSUE

26/04/17 D AMENDED CONNECTION TO GB2 SPS, ADDED STUBS IN 2/T1 & AMENDED BEND NAMES 18/01/18 C NOTE ADDED 21/12/17 B FOR APPROVAL 19/01/18 A ORIGINAL ISSUE DATE REV DESCRIPTION			BRISBANE OFFICE LEVEL 1, 100 BRUNSWICK STREET PO BOX 361 FORTITUDE VALLEY, QLD 4006 PH: (07) 3253 2222 WEB: www.premise.com.au		DESIGNED MM CHECKED JS PROJECT MANAGER JS PROJECT DIRECTOR DATE 26/04/18	RPEQ  DATE 26/04/18 SCALE 1:500 (A1)	CLIENT MIRVAC PROJECT EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT LOCATION TEVIOT ROAD, GREENBANK SHEET TITLE TRUNK GRAVITY SEWER LAYOUT PLAN - SHEET 3 OF 3	JOB CODE MIR001-01 SHEET NUMBER C605 REV D
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[illegible]

27/06/18 CONSTRUCTION ISSUE

[illegible]

MANHOLE/END NAME	(12/T1)	(13/T1)	(14/T1)	(15/T1)	(16/T1)	(17/T1)
MANHOLE TYPE	C	A	A	A	A	D
LID TYPE	B	B	B	B	B	B
JUNCTION LINE	T1					
DROP TYPE	V	V	V	V	V	

LEGEND - PROPOSED

FP	DENOTES VERGE
MANHOLE TYPES	
A	CONCRETE MANHOLE 1.00
B	CONCRETE MANHOLE 1.20
C	CONCRETE MANHOLE 1.50
D	LCC DISCHARGE MANHOLE
J	TYPE 'J' 1 MAINTENANCE SHAFT
HB	HORIZONTAL BEND (3m HORIZ. RADIUS)
HTP	HORIZONTAL TANGENT POINT

LID TYPES	
B	LCC CLASS B NON TRAFFICABLE
D	LCC CLASS D NON TRAFFICABLE

MAINTENANCE HOLE DROP TYPES	
V	FALL THROUGH MH
W	OBLIQUE 45° BACKDROP
X	INTERNAL DROP
Y	EXTERNAL DROP
VORT	INTERNAL VORTEX DROP

* EMBEDMENT TYPE 3 WITH CRUSHED ROCK NOMINAL 5-7mm (SINGLE SIZED).

MANHOLE INTERNAL CORROSION PROTECTION: WHERE INDICATED, MANHOLES SHALL BE CONSTRUCTED WITH PE LINING TO INTERNAL SURFACE IN ACCORDANCE WITH CLAUSE 18.8 OF THE SEQ WS&S CODE.

INTERNAL CORROSION PROTECTION REQUIRED

KESSELS BOULEVARD
STORMWATER 1350mm IL 50.634
WATER 200mm IL 52.806

7no TRENCH STOPS @ 15m MAX SPACING

INTERNAL CORROSION PROTECTION REQUIRED

EXIST. TELSTRA 100mm IL 68.267
STORMWATER 375mm IL 67.138

EXIST. TELSTRA 100mm IL 67.256

INTERNAL CORROSION PROTECTION REQUIRED

FOR DISCHARGING MANHOLE ODOUR TREATMENT REFER DWGS C620-C622

SEWER RISING MAIN REFER DWGS C620-C622 FOR DETAILS

DATUM R.L.	44.0			54.0					
STREET ETC			FP					TEVIOT ROAD	
DIAMETER				DN225mm PVC					
GRADE	1 IN 27.40		1 IN 19.80		1 IN 23.89		1 IN 50		1 IN 28.57
EMBEDMENT TYPE				*					
JUNCTION INVERT LEVEL									
DEPTH TO INVERT OF SEWER	4.152 4.077	D 2.652 2.612		D 3.098 3.058		D 5.110 5.070		D 1.866 1.826	1.475
INVERT LEVEL	49.580 49.655	54.035 54.075		60.136 60.176		65.171 65.211		67.121 67.161	70.740
FINISHED SURFACE LEVEL	53.732	D 56.687		D 63.234		D 70.281		D 68.987	72.215
LENGTH RUNNING CHAINAGE	553.97	120.00 673.97	120.00	793.97	119.38	913.36	95.50	1008.86	1111.11
LINE	T1								

27/06/18 CONSTRUCTION ISSUE

13/04/18 18/01/17 21/12/17 13/04/18	D C B A	AMENDED MANHOLE SURFACE LEVELS LEGEND, MANHOLE TYPES AND LEVELS UPDATED FOR APPROVAL ORIGINAL ISSUE	KH KH KH KH	RPEQ	REVISIONS	 PREMISE BRISBANE OFFICE LEVEL 1, 100 BRUNSWICK STREET PO BOX 361 FORTITUDE VALLEY, QLD 4006 PH: (07) 3253 2222 WEB: www.premise.com.au	DESIGNED MM CHECKED JS PROJECT MANAGER JS PROJECT DIRECTOR JS DATE 13/04/18	RPEQ K. Howells 13/04/18 SCALE SCALE 1:1000 (A1) SCALE 1:100 (A1)	CLIENT MIRVAC PROJECT EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT LOCATION TEVIOT ROAD, GREENBANK SHEET TITLE TRUNK GRAVITY SEWER LONG SECTIONS - SHEET 2 OF 2	JOB CODE MIR001-01 SHEET NUMBER C607 REV D
DATE	REV	DESCRIPTION								

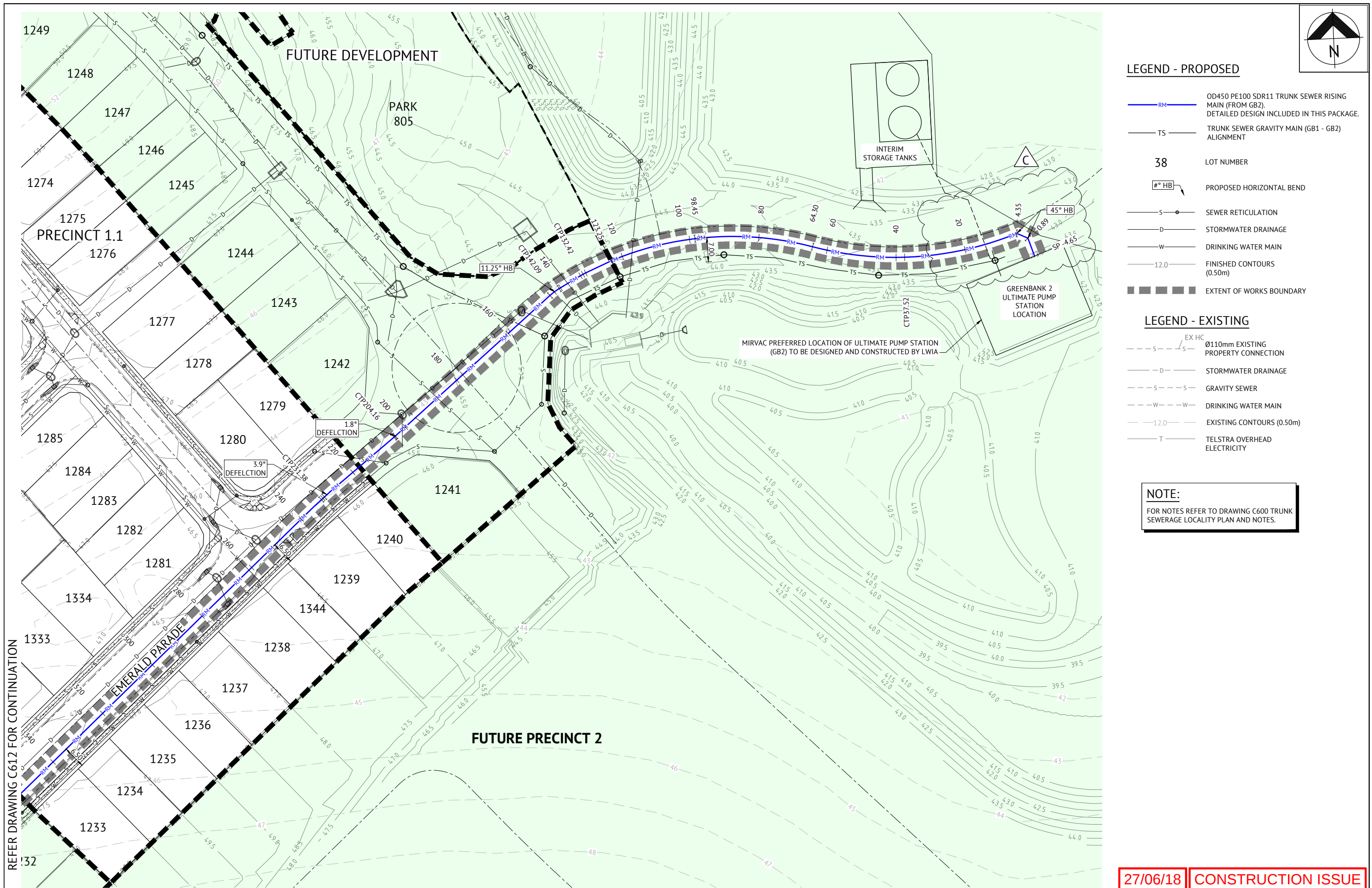


LEGEND - PROPOSED

- RM OD450 PE100 SDR11 TRUNK SEWER RISING MAIN (FROM GB2). DETAILED DESIGN INCLUDED IN THIS PACKAGE.
- TS TRUNK SEWER GRAVITY MAIN (GB1 - GB2) ALIGNMENT
- ■ ■ ■ ■ EXTENT OF WORKS BOUNDARY

27/06/18 CONSTRUCTION ISSUE

26/04/18 C AMENDED PIPE ALIGNMENT AT CONNECTION POINT TO SPS 18/01/18 B AMENDED SEWER RISING MAIN PIPE SIZE 21/12/17 A ORIGINAL ISSUE			KH KH KH RPEQ		
DATE	REV	DESCRIPTION	REVISIONS		
 Premise			BRISBANE OFFICE LEVEL 1, 100 BRUNSWICK STREET PO BOX 361 FORTITUDE VALLEY, QLD 4006 PH: (07) 3253 2222 WEB: www.premise.com.au		
DESIGNED EL CHECKED MM PROJECT MANAGER JS PROJECT DIRECTOR  DATE 26/04/18			RPEQ  DATE 26/04/18 SCALE 0 30 60 90m SCALE 1:1500 (A1)		
CLIENT MIRVAC			PROJECT EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT		
LOCATION TEVIOT ROAD, GREENBANK			SHEET TITLE TRUNK GB2 SEWER RISING MAIN INDEX PLAN		
JOB CODE MIR001-01			SHEET NUMBER C610		
			REV C		



LEGEND - PROPOSED

- RM — OD450 PE100 SDR11 TRUNK SEWER RISING MAIN (FROM GB2). DETAILED DESIGN INCLUDED IN THIS PACKAGE.
- TS — TRUNK SEWER GRAVITY MAIN (GB1 - GB2) ALIGNMENT
- 38 LOT NUMBER
- #° HB PROPOSED HORIZONTAL BEND
- S SEWER RETICULATION
- D STORMWATER DRAINAGE
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- 12.0 FINISHED CONTOURS (0.50m)
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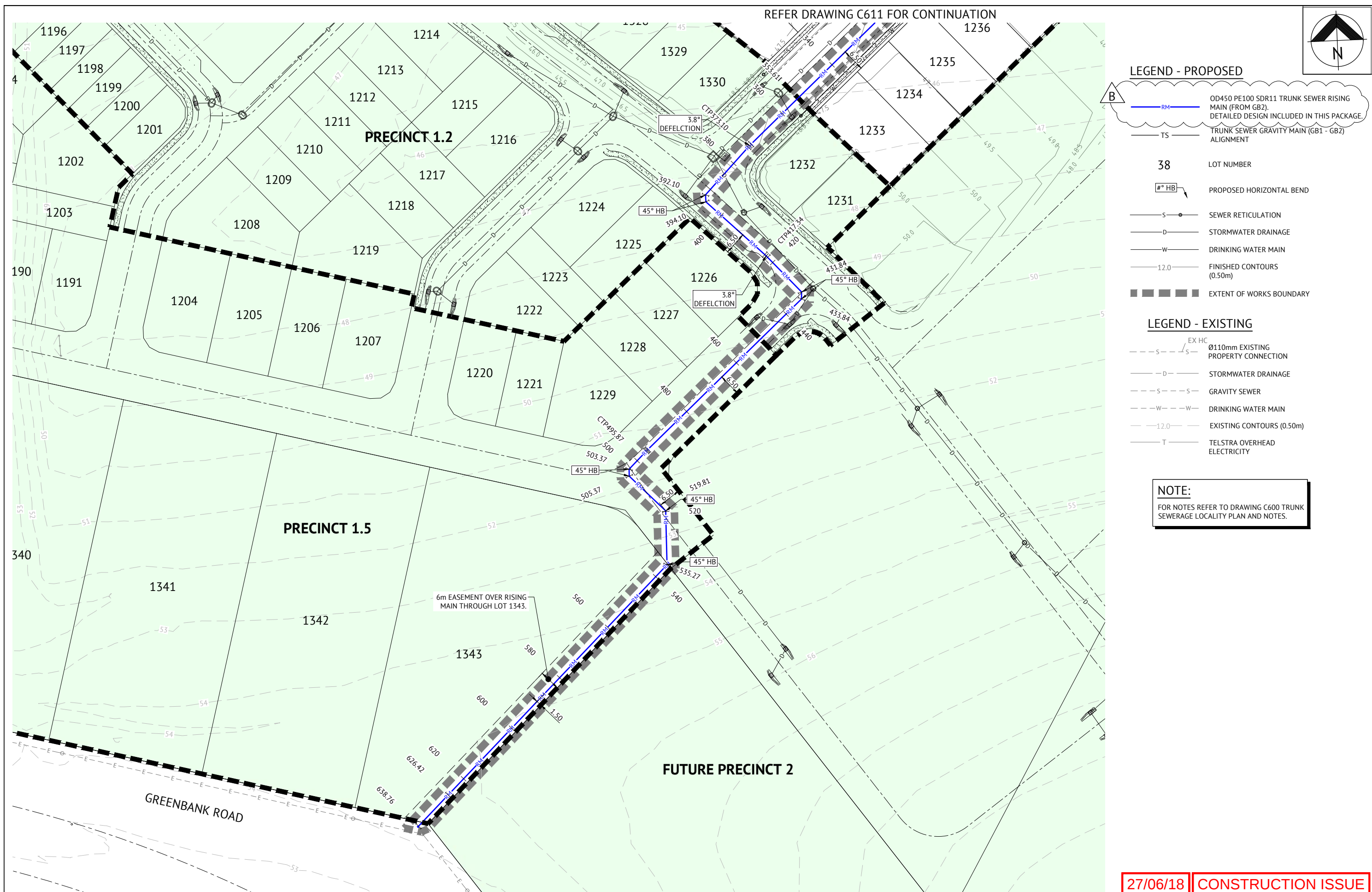
LEGEND - EXISTING

- EX HC 0110mm EXISTING PROPERTY CONNECTION
- D STORMWATER DRAINAGE
- S S GRAVITY SEWER
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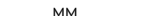
NOTE:
FOR NOTES REFER TO DRAWING C600 TRUNK SEWERAGE LOCALITY PLAN AND NOTES.

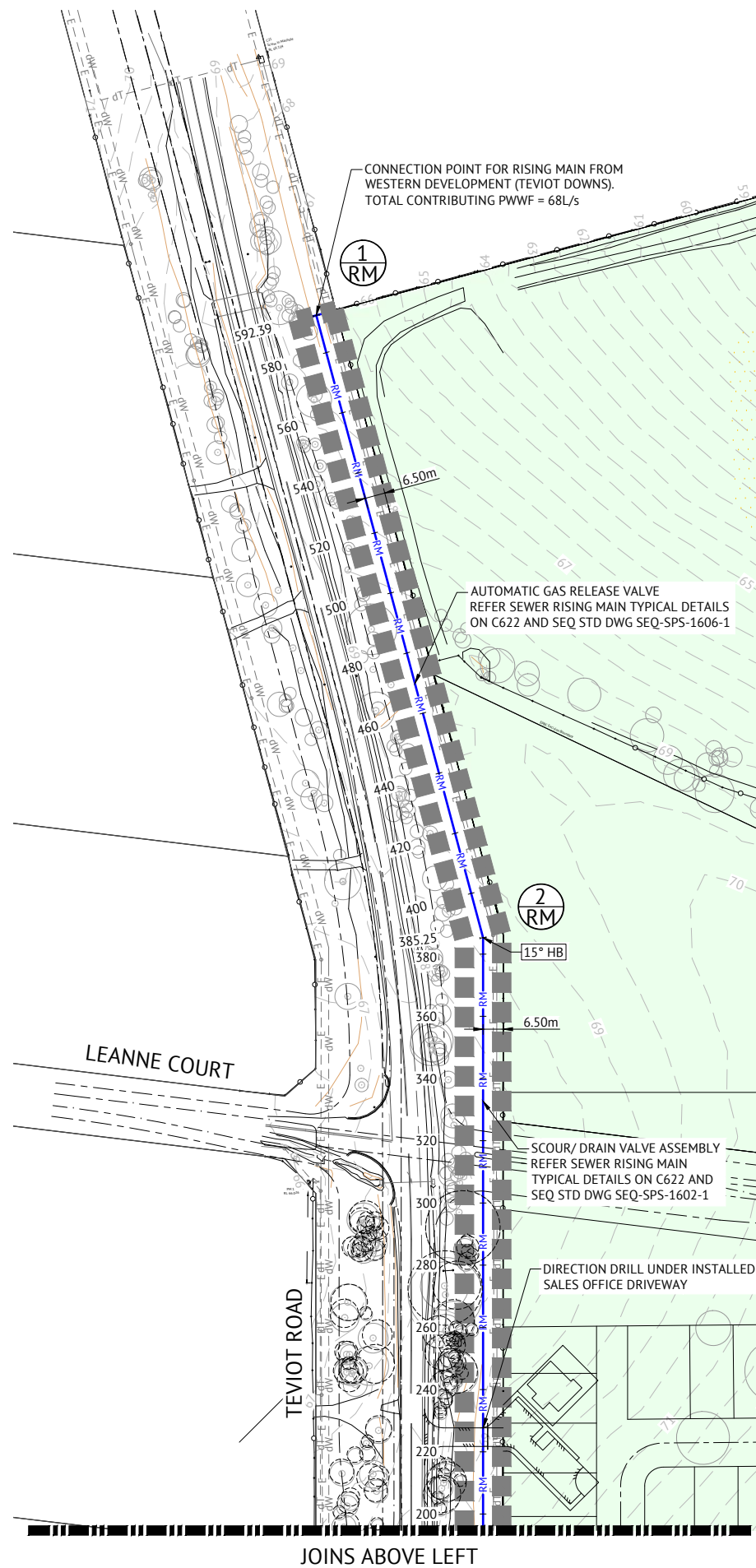
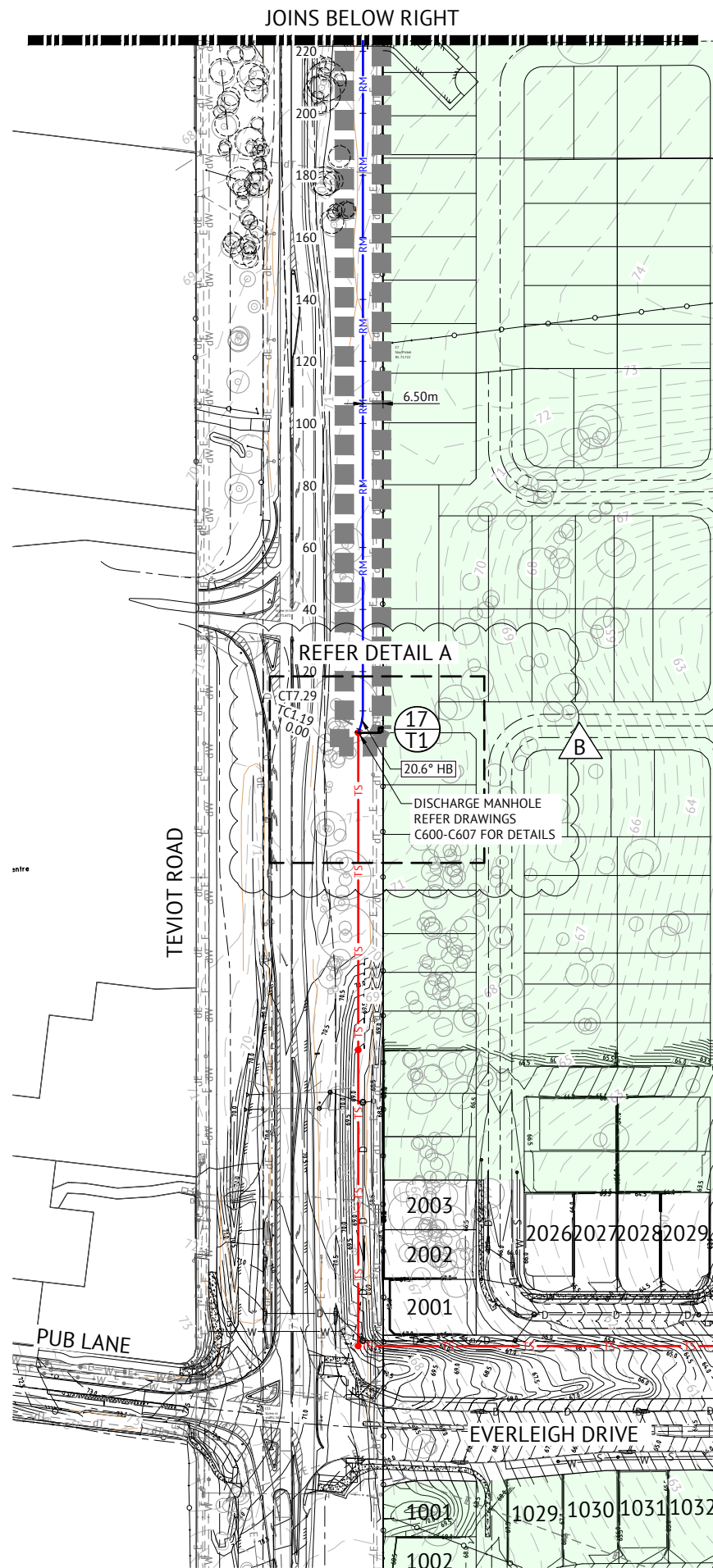
27/06/18 CONSTRUCTION ISSUE

26/04/18 C AMENDED PIPE ALIGNMENT AT CONNECTION POINT TO SPS 18/01/18 B AMENDED SEWER RISING MAIN PIPE SIZE 21/12/17 A ORIGINAL ISSUE		BRISBANE OFFICE LEVEL 1, 100 BRUNSWICK STREET PO BOX 361 FORTITUDE VALLEY, QLD 4006 PH: (07) 3253 2222 WEB: www.premise.com.au	DESIGNED EL CHECKED MM PROJECT MANAGER JS PROJECT DIRECTOR	RPEQ DATE 26/04/18 SCALE 0 10 20 30m SCALE 1:500 (A1)	CLIENT MIRVAC PROJECT EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT LOCATION TEVIOT ROAD, GREENBANK SHEET TITLE TRUNK GB2 SEWER RISING MAIN LAYOUT - SHEET 1 OF 2	JOB CODE MIR001-01 SHEET NUMBER C611 REV C
DATE	REV		DESCRIPTION	REVISIONS	REVISIONS	



27/06/18 CONSTRUCTION ISSUE

18/01/18 21/12/17	B A	AMENDED SEWER RISING MAIN PIPE SIZE ORIGINAL ISSUE	KH KH	RPEQ	 BRISBANE OFFICE LEVEL 1, 100 BRUNSWICK STREET PO BOX 361 FORTITUDE VALLEY, QLD 4006 PH: (07) 3253 2222 WEB: www.premise.com.au	DESIGNED	EL	 RPEQ R. Howells 18/01/18 RPEQ 7295	DATE 18/01/18	CLIENT MIRVAC	JOB CODE MIR001-01
						CHECKED	MM				
						PROJECT MANAGER	JS				
						PROJECT DIRECTOR	 JOSHUA STONE	DATE 18/01/18			
						 SCALE 1:500 (A1)					
						PROJECT EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT				SHEET NUMBER C612	
						LOCATION TEVIOT ROAD, GREENBANK				REV B	
						SHEET TITLE TRUNK GB2 SEWER RISING MAIN LAYOUT - SHEET 2 OF 2					



NOTE:
FOR NOTES REFER TO DRAWING C600 TRUNK
SEWERAGE LOCALITY PLAN AND NOTES.

LEGEND - PROPOSED

B **RM** OD280 PE100 SDR11 TRUNK SEWER RISING MAIN (GB1-GB2) DETAILED DESIGN INCLUDED IN THIS PACKAGE

TS TRUNK SEWER GRAVITY MAIN (GB1 - GB2) ALIGNMENT

38 LOT NUMBER

#° HB PROPOSED HORIZONTAL BEND

LEGEND - EXISTING

EX HC Ø110mm EXISTING PROPERTY CONNECTION

D STORMWATER DRAINAGE

S GRAVITY SEWER

W DRINKING WATER MAIN

12.0 EXISTING CONTOURS (0.50m)

T TELSTRA OVERHEAD ELECTRICITY

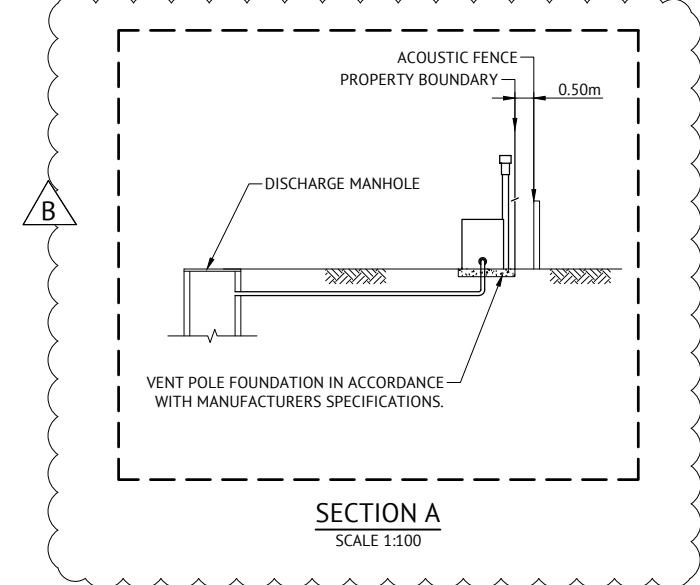
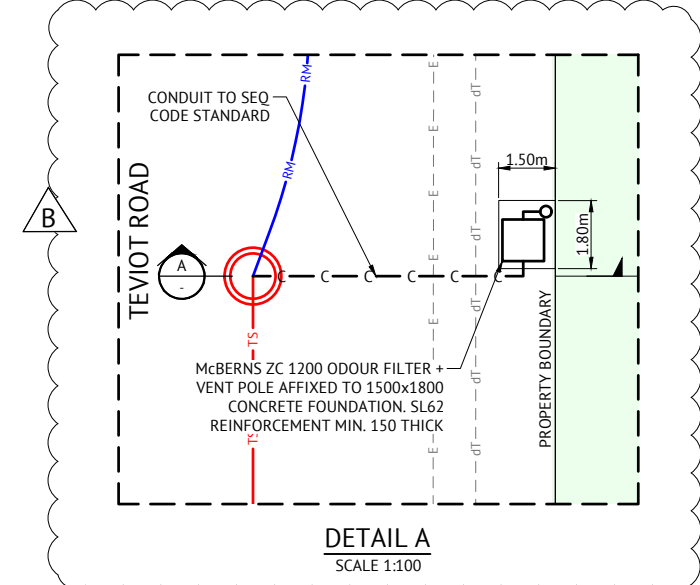
S SEWER RETICULATION

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W DRINKING WATER MAIN

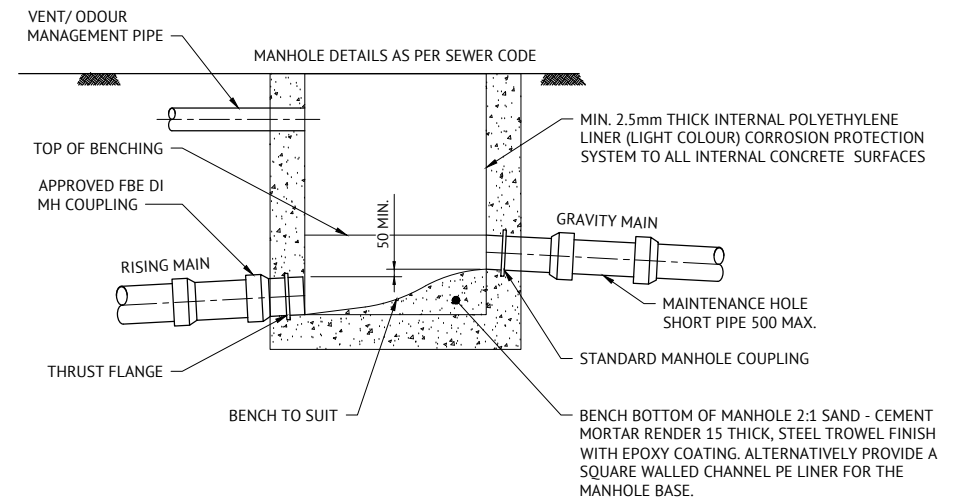
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EXTENT OF WORKS BOUNDARY

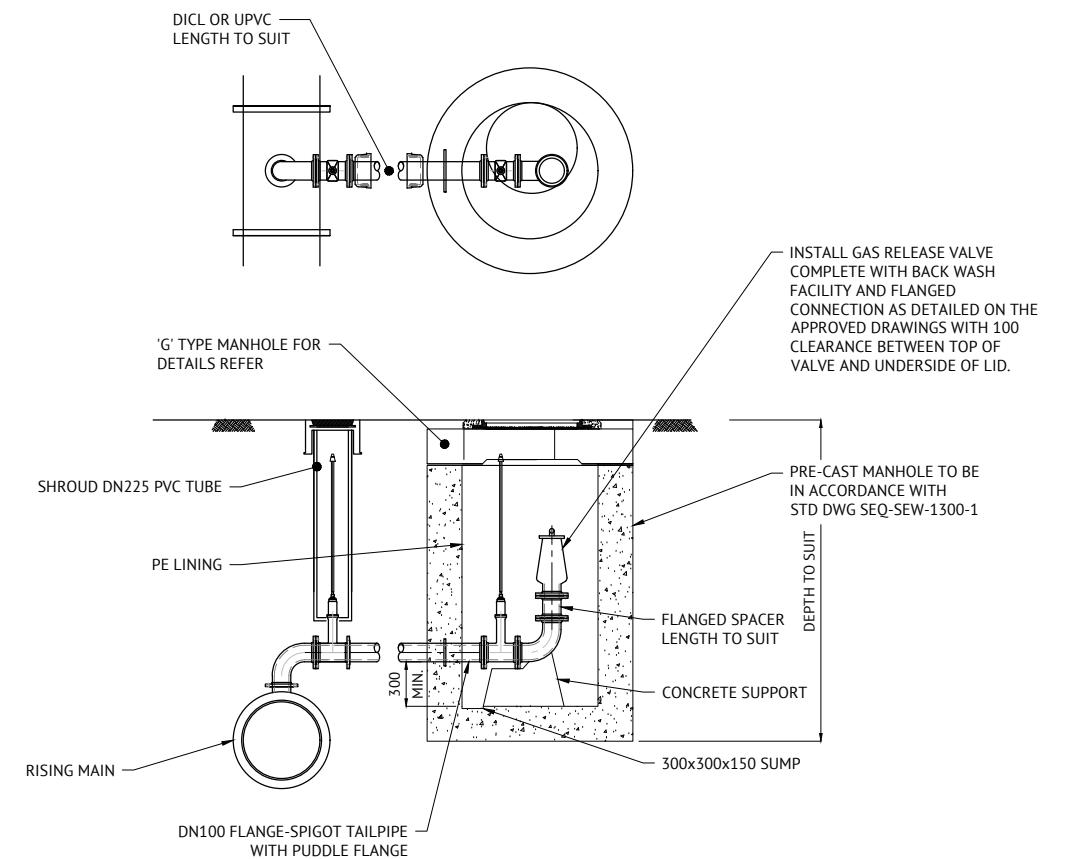


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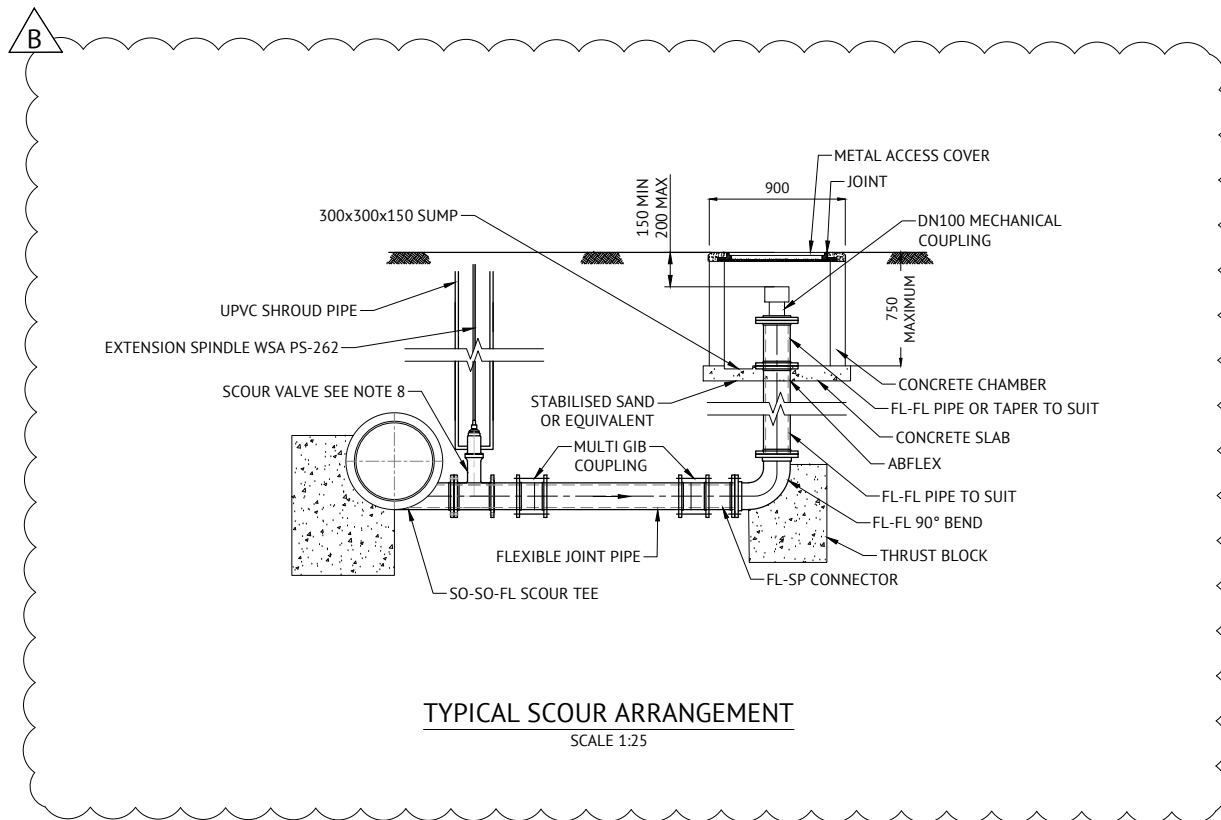
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SECTIONAL ELEVATION
RISING MAIN DISCHARGE MANHOLE
SCALE 1:25



TYPICAL GAS RELEASE ARRANGEMENT
SCALE 1:25



TYPICAL SCOUR ARRANGEMENT
SCALE 1:25

27/06/18 CONSTRUCTION ISSUE

						BRISBANE OFFICE LEVEL 1, 100 BRUNSWICK STREET PO BOX 361 FORTITUDE VALLEY, QLD 4006 PH: (07) 3253 2222 WEB: www.premise.com.au		<table><tr><td>DESIGNED</td><td>EL</td></tr><tr><td>CHECKED</td><td>MM</td></tr><tr><td>PROJECT MANAGER</td><td>JS</td></tr><tr><td>PROJECT DIRECTOR</td><td>DATE</td></tr><tr><td></td><td>18/01/18</td></tr><tr><td colspan="2">JOSHUA STONE</td></tr></table>		DESIGNED	EL	CHECKED	MM	PROJECT MANAGER	JS	PROJECT DIRECTOR	DATE		18/01/18	JOSHUA STONE		<table><tr><td>RPEQ</td><td>DATE</td></tr><tr><td></td><td>18/01/18</td></tr><tr><td colspan="2">ADITHYAN MURUGESAN</td></tr><tr><td colspan="2">RPEQ 7295</td></tr><tr><td colspan="2">SCALE</td></tr></table>		RPEQ	DATE		18/01/18	ADITHYAN MURUGESAN		RPEQ 7295		SCALE		<table><tr><td>CLIENT</td><td colspan="3">MIRVAC</td></tr><tr><td>PROJECT</td><td colspan="3">EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT</td></tr><tr><td>LOCATION</td><td colspan="3">TEVIOT ROAD, GREENBANK</td></tr><tr><td>SHEET TITLE</td><td colspan="3">SEWER RISING MAIN TYPICAL DETAILS</td></tr></table>				CLIENT	MIRVAC			PROJECT	EVERLEIGH PRECINCT 1.1 SUBDIVISION DEVELOPMENT			LOCATION	TEVIOT ROAD, GREENBANK			SHEET TITLE	SEWER RISING MAIN TYPICAL DETAILS			<table><tr><td colspan="2">JOB CODE</td></tr><tr><td colspan="2">MIR001-01</td></tr><tr><td>SHEET NUMBER</td><td>REV</td></tr><tr><td>C622</td><td>B</td></tr></table>		JOB CODE		MIR001-01		SHEET NUMBER	REV	C622	B
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