

No. FIXTURES: 51 (CAPPED POINTS)
 FIXTURE UNIT LOADINGS: 2964 (ALLOWANCE)

DRAINAGE PLAN No. 129521
 PA No.
 COMMUNITY TITLE
 CLASS 1a

HYDRAULIC SERVICES

PROPOSED HUNDRED AND FOURTEEN (114) TOWNHOUSE RESIDENTIAL DEVELOPMENT (STAGE 1)

AT
 50 ASHMORE STREET & 420 SOUTH PINE ROAD
 EVERTON PARK, QLD 4053

| HYDRAULIC SERVICES LEGEND | |
|---------------------------|---------------------------|
| — eS — | EXISTING COUNCIL SEWER |
| — eSW — | EXISTING STORMWATER |
| — cS — | NEW CIVIL STORMWATER |
| — cSW — | NEW CIVIL WATER SERVICE |
| — eCW — | EXISTING WATER SERVICE |
| — cW — | NEW COLD WATER SERVICE |
| COS | CLEAR OUT TO SURFACE |
| CV | CONTROL VALVE |
| EXIST | EXISTING |
| IL | INVERT LEVEL |
| JU | JUMP UP |
| RL | REDUCED LEVEL |
| SIC | SEWER INSPECTION CHAMBER |
| SMH | SEWER MANHOLE |
| SWIP | STORMWATER INSPECTION PIT |
| SWMH | STORMWATER MANHOLE |

BRISBANE CITY COUNCIL
 Planning Services Group
 PLEASE NOTE:
AS CONSTRUCTED PLANS
 At the time of submitting a final compliance assessment an 'AS CONSTRUCTED' plan of the assessed work shall be submitted to the Brisbane City Council.

BRISBANE CITY COUNCIL
 Planning Services Group
 PLEASE NOTE:
BACKFLOW PREVENTION
 Backflow prevention devices shall be installed in accordance with AS/NZS 3500:2015. All required backflow preventers must be represented and sized prior to finalising a Final Plumbing & Drainage Assessment. Backflow preventers including backflow preventers, atmospheric, air and vacuum breakers shall be installed in accordance with the AS/NZS 3500:2015 plans.

BRISBANE CITY COUNCIL
 Planning Services Group
 PLEASE NOTE:
PRIOR TO COMMENCEMENT OF THE PROPOSED PLUMBING & DRAINAGE WORK THE SUPPLY & LOCATION OF THE EXISTING SERVICES SHALL BE CONFIRMED ON SITE.

BRISBANE CITY COUNCIL
 Planning Services Group
 PLEASE NOTE:
DEFINED FLOOD LEVEL
 THIS PROPERTY IS SUBJECT TO A DEFINED FLOOD LEVEL (PL 29.2M).

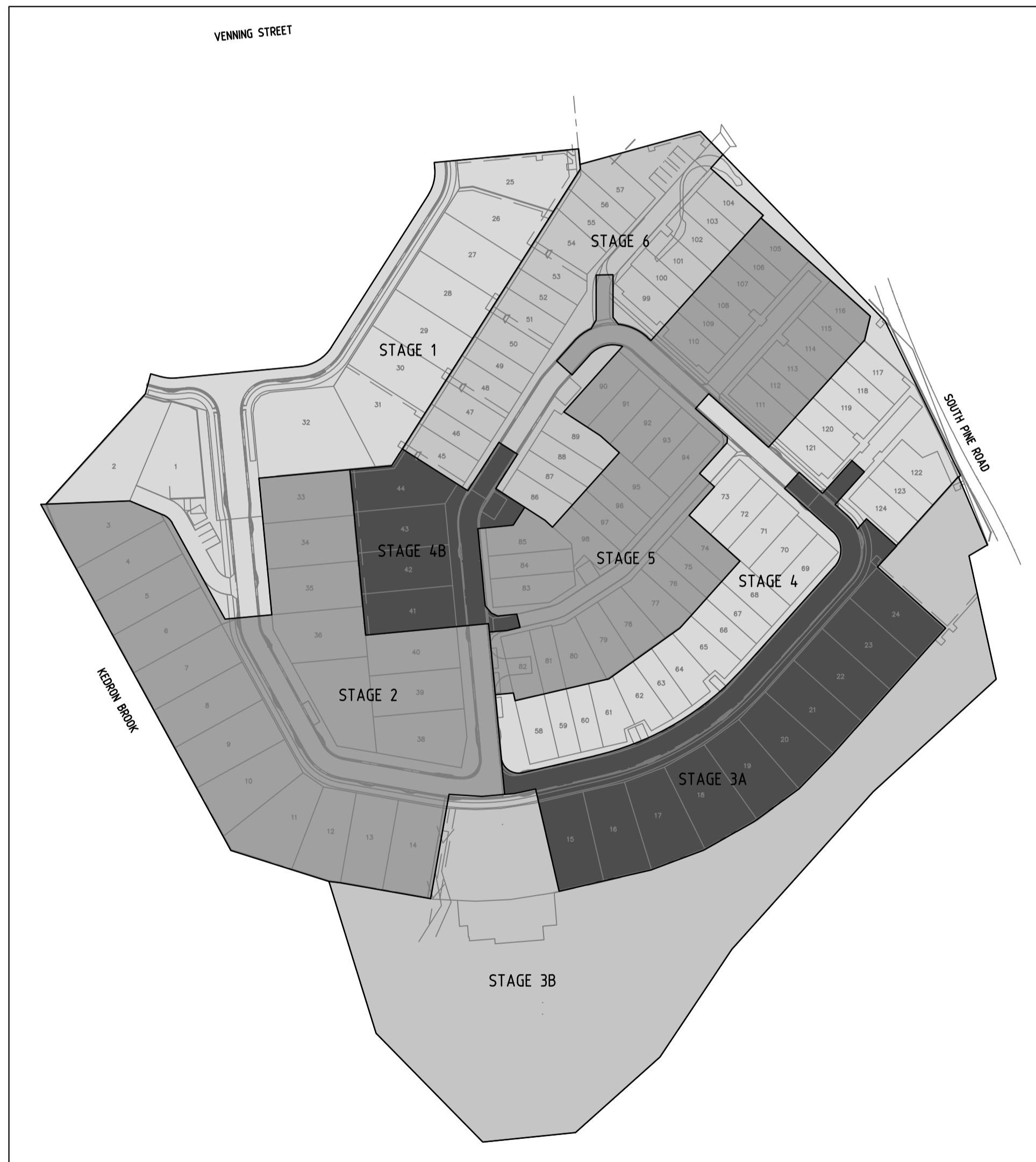
BRISBANE CITY COUNCIL
 Planning Services Group
 PLEASE NOTE:
AMENDED PLAN
 PLEASE NOTE: THE PLUMBING AND DRAINAGE ASSESSED ON THIS PLAN ARE FOR THE AMENDMENTS ONLY AS ADVISED BY THE APPLICANT. THIS APPROVED AMENDED PLAN IS TO REPLACE THE RELEVANT ORIGINAL APPROVED PLAN.

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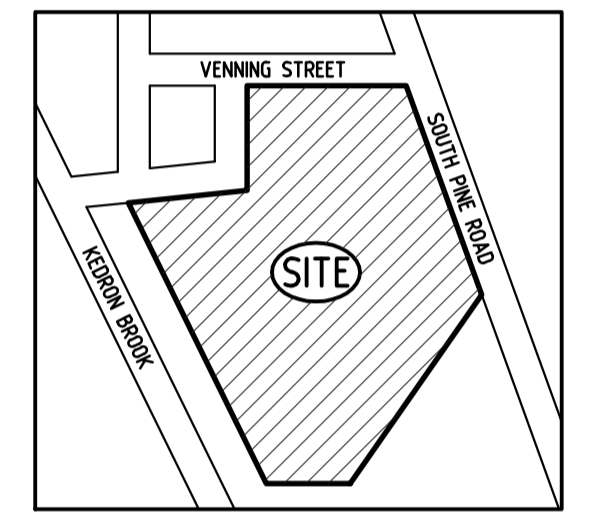
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ARCHITECTURAL STAGING PLAN
 NOT TO SCALE



HYDRAULIC SERVICES STAGING PLAN
 NOT TO SCALE



LOCALITY PLAN
 NOT TO SCALE

| issue | amendment | date |
|-------|--------------------------|----------|
| IFC2 | ISSUE FOR CONSTRUCTION | 28.07.20 |
| IFC | ISSUE FOR CONSTRUCTION | 16.06.20 |
| B | REVISED ISSUE | 17.04.20 |
| A | ISSUE FOR REVIEW | 07.01.20 |
| DD2 | DESIGN DEVELOPMENT ISSUE | 15.12.19 |
| DD1 | DESIGN DEVELOPMENT ISSUE | 03.12.19 |

hydraulic consultant
BRW
 HYDRAULICS
 PTY LTD
 BRISBANE
 BRISBANE OFFICE:
 LEVEL 3, 39 SHERWOOD ROAD,
 (P.O. BOX 2158) TOOWONG, QLD 4066
 TELEPHONE: (07) 3876 0088
 QBCC LIC. No. 15067828
 FACSIMILE: (07) 3876 0018
 admin@brwhydraulics.com.au



Client
 project
PROPOSED HUNDRED AND FOURTEEN (114) TOWNHOUSE RESIDENTIAL DEVELOPMENT STAGE 1
 AT
 50 ASHMORE STREET & 420 SOUTH PINE ROAD
 EVERTON PARK, QLD 4053

drawing title
HYDRAULIC SERVICES COVER SHEET STAGE 1

| | | |
|----------|---|----------|
| drawn | checked | date |
| SY | B. NIKOLAJEVS (QBCC LICENCE N° 15058052) | Dec 2019 |
| scale | approved | sheet |
| NTS @ A1 | . | 1 of 7 |

| | | |
|---------|-------------|----------|
| job no. | drawing no. | revision |
| 17636-1 | H1 | IFC2 |

OWNER.
 MIRVAC QUEENSLAND PTY LIMITED
SOIL CLASS.
 SOIL CLASSIFICATION - 'H'

R.P.D.
 LOT 82 ON RP 72156
 LOT 83 ON RP 72156
 LOT 84 ON RP 72156
 LOT 85 ON RP 72156
 LOT 86 ON RP 72156
 LOT 87 ON RP 72156
 LOT 88 ON RP 72156
 LOT 89 ON RP 72156
 LOT 90 ON RP 72156
 LOT 91 ON RP 72156
 LOT 100 ON SP 155725

DATUM A.H.D.

AS-CONSTRUCTED

DRAINAGE PLAN No. 129521 PA No.

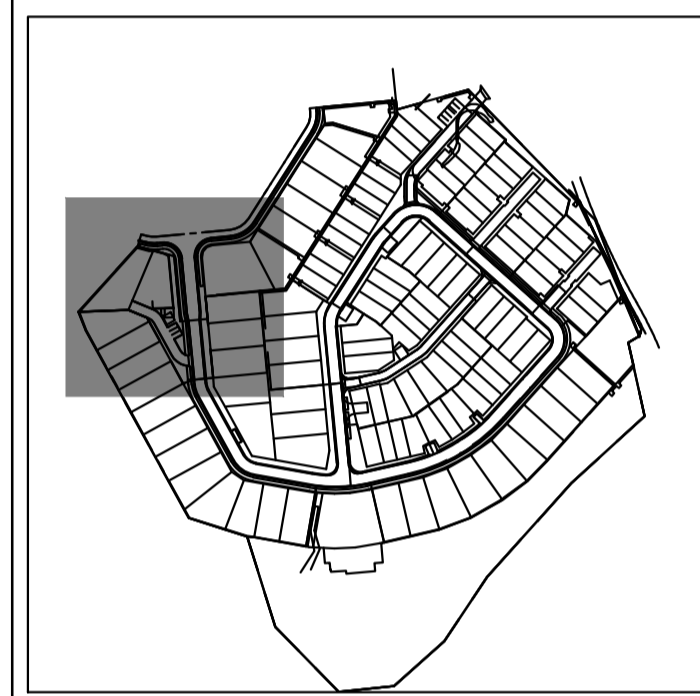
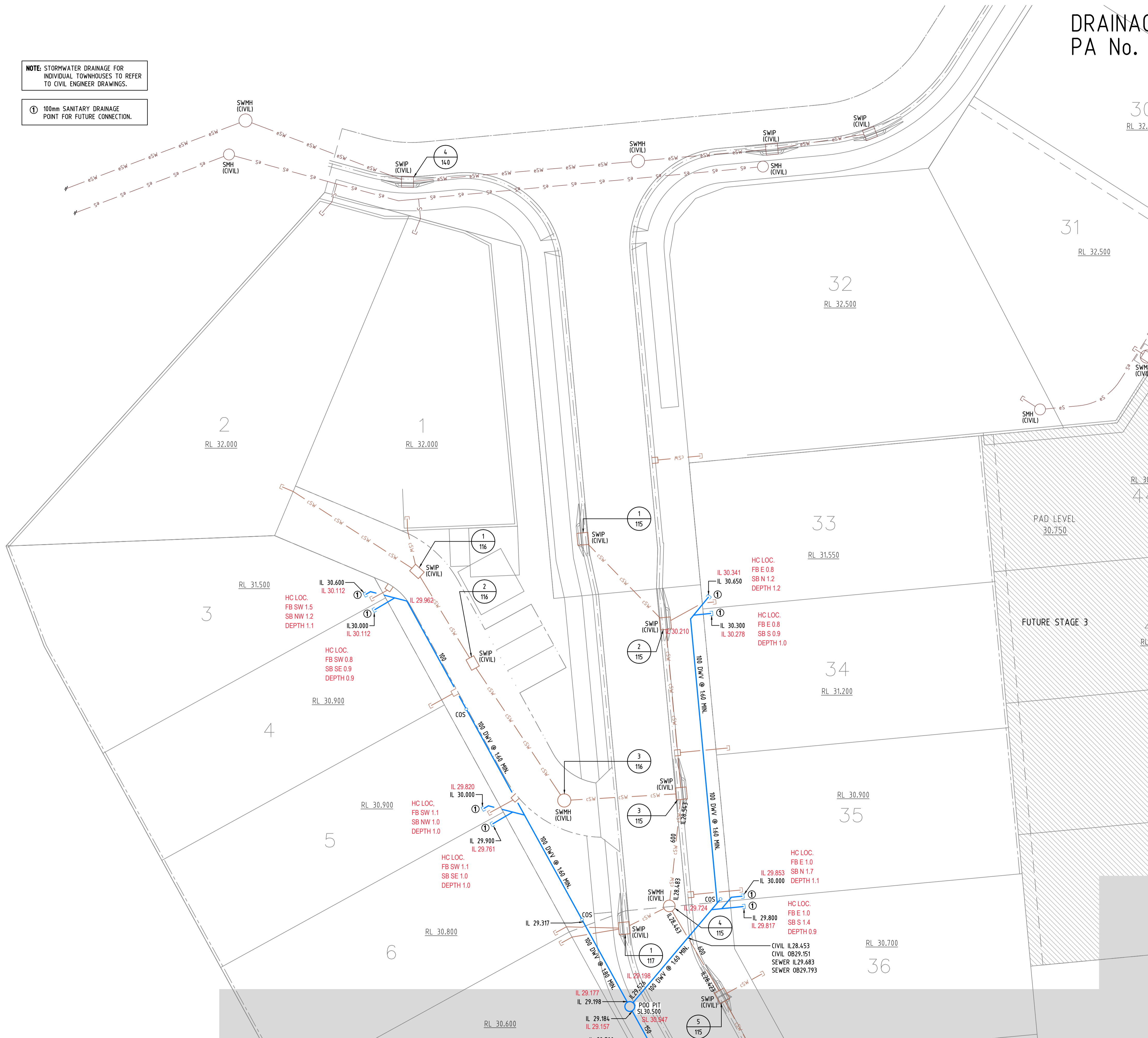
NOTE: STORMWATER DRAINAGE FOR INDIVIDUAL TOWNHOUSES TO REFER TO CIVIL ENGINEER DRAWINGS.

① 100mm SANITARY DRAINAGE POINT FOR FUTURE CONNECTION.

BRISBANE CITY COUNCIL
 Plumbing Services Group
 Planning, Design and Survey drawn on the 2015 standards with the "Planning and Control Act 2017"
PROJECT REF NUMBER
 1673963
COMPLIANCE PERMIT NUMBER
 PL2359091720
APPROVAL DATE
 09/10/2020
ASSESSMENT OFFICER
 Michael Gordon
 Number of Pages Assessed: 7
 Number of Tables Assessed: 1
 Number of Drawings/Plans/Proposals Assessed: 7386
 Number of Items Assessed: 0
TOTAL INSPECTION FEE: \$240
 The amount shown herein is valid if the inspection fee is paid within the financial year ending 30/06/2021.

HYDRAULIC SERVICES LEGEND

| | | |
|-------|-----|---------------------------|
| eS | eS | EXISTING COUNCIL SEWER |
| eSW | eSW | EXISTING STORMWATER |
| cS | cS | NEW CIVIL STORMWATER |
| — | — | NEW HOUSE DRAINAGE |
| eCW | eCW | EXISTING WATER SERVICE |
| cCW | cCW | NEW CIVIL WATER SERVICE |
| — | — | NEW COLD WATER SERVICE |
| COS | | CLEAR OUT TO SURFACE |
| CV | | CONTROL VALVE |
| EXIST | | EXISTING |
| IL | | INVERT LEVEL |
| JU | | JUMP UP |
| RL | | REDUCED LEVEL |
| SIC | | SEWER INSPECTION CHAMBER |
| SMH | | SEWER MANHOLE |
| SWIP | | STORMWATER INSPECTION PIT |
| SWMH | | STORMWATER MANHOLE |



| | | |
|-------|------------------------|----------|
| IFC3 | ISSUE FOR CONSTRUCTION | 28.07.20 |
| IFC2 | ISSUE FOR CONSTRUCTION | 22.07.20 |
| IFC | ISSUE FOR CONSTRUCTION | 16.06.20 |
| C | REVISED ISSUE | 13.03.20 |
| B | REVISED ISSUE | 28.02.20 |
| A | ISSUE FOR REVIEW | 07.01.20 |
| DD1 | ORIGINAL ISSUE | 03.12.19 |
| issue | amendment | date |

hydraulic consultant
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 BRISBANE OFFICE:
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 TELEPHONE: (07) 3876 0088
 QBCC LIC. No. 15067828 FACSIMILE: (07) 3876 0018
 B R I S B A N E admin@brwhydraulics.com.au



project
PROPOSED HUNDRED AND FOURTEEN (114) TOWNHOUSE RESIDENTIAL DEVELOPMENT STAGE 1
 AT
50 ASHMORE STREET & 420 SOUTH PINE ROAD EVERTON PARK, QLD 4053

drawing title
HYDRAULIC SERVICES STAGE 1 SITE PLAN - 1 OF 4 DRAINAGE

| | | |
|------------|--|----------|
| drawn | checked | date |
| SY | B. NIKOLAJEVS (QBCC LICENCE N° 15058052) | Dec 2019 |
| scale | approved | sheet |
| 1:200 @ A1 | | 3 of 7 |
| job no. | drawing no. | revision |
| 17636-1 | H3 | IFC3 |

SITE PLAN - 1 OF 4 / DRAINAGE
 SCALE 1:200
 REFER TO PART 2 OF 4 FLOOR PLAN FOR CONTINUATION

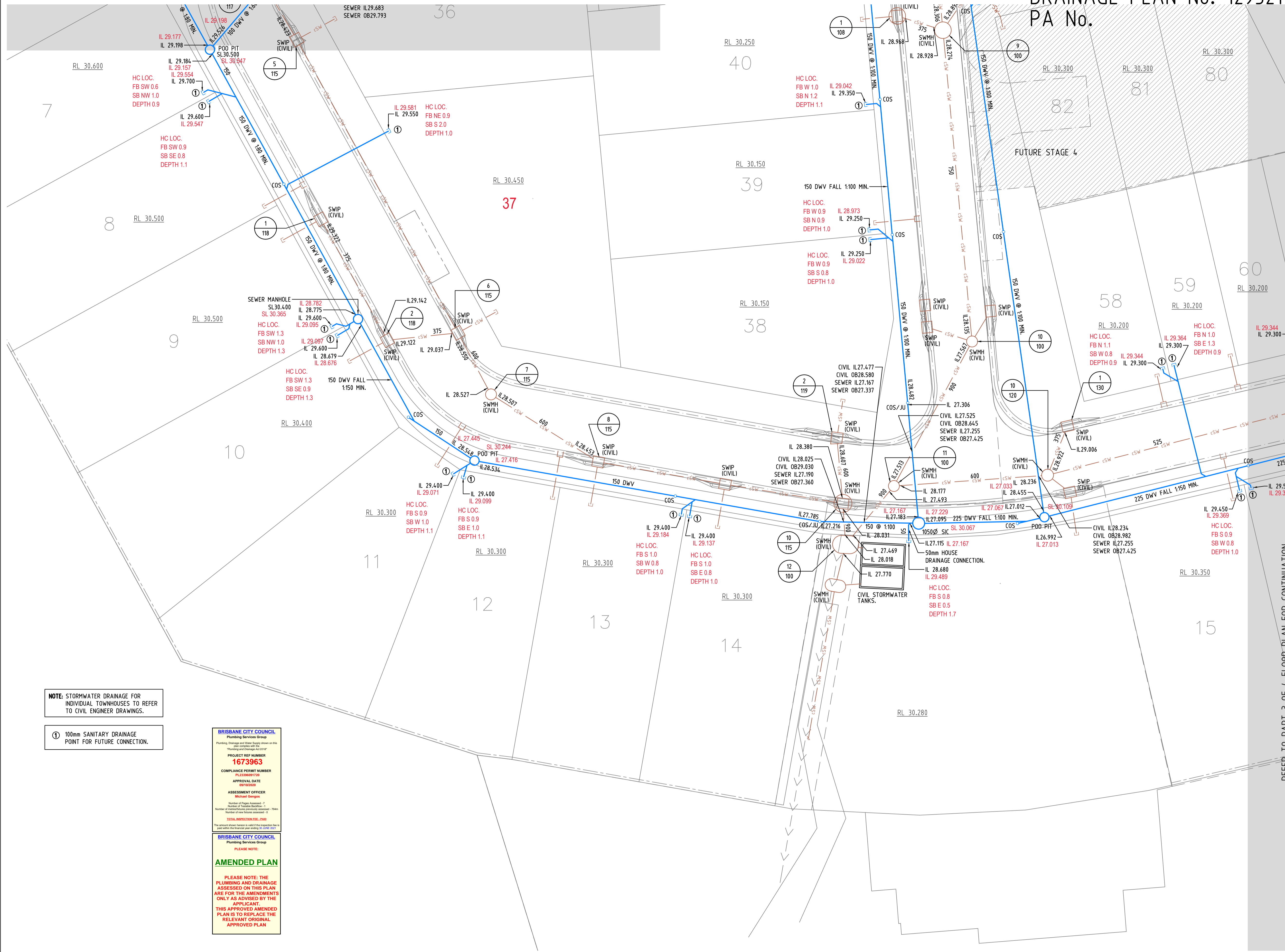
REFER TO PART 2 OF 4 FLOOR PLAN FOR CONTINUATION

AS-CONSTRUCTED

OWNER.
 MIRVAC QUEENSLAND PTY LIMITED

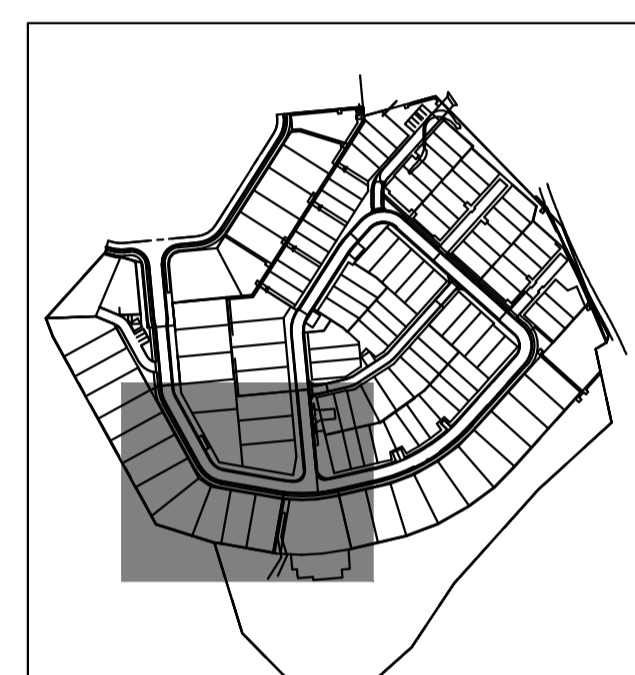
REFER TO PART 1 OF 4 FLOOR PLAN FOR CONTINUATION

DRAINAGE PLAN No. 129521 PA No.



HYDRAULIC SERVICES LEGEND

| | | |
|-------|-------|---------------------------|
| —eS— | —eS— | EXISTING COUNCIL SEWER |
| —eSW— | —eSW— | EXISTING STORMWATER |
| —cSW— | —cSW— | NEW CIVIL - STORMWATER |
| —cW— | —cW— | NEW HOUSE DRAINAGE |
| —eCW— | —eCW— | EXISTING WATER SERVICE |
| —cCW— | —cCW— | NEW CIVIL WATER SERVICE |
| —cCW— | —cCW— | NEW COLD WATER SERVICE |
| COS | | CLEAR OUT TO SURFACE |
| CV | | CONTROL VALVE |
| EXIST | | EXISTING |
| IL | | INVERT LEVEL |
| JU | | JUMP UP |
| RL | | REDUCED LEVEL |
| SIC | | SEWER INSPECTION CHAMBER |
| SMH | | SEWER MANHOLE |
| SWIP | | STORMWATER INSPECTION PIT |
| SWMH | | STORMWATER MANHOLE |



| | | |
|-------|--------------------------------|----------|
| IFC4 | REVISED ISSUE FOR CONSTRUCTION | 19.08.20 |
| IFC3 | ISSUE FOR CONSTRUCTION | 28.07.20 |
| IFC2 | ISSUE FOR CONSTRUCTION | 22.07.20 |
| IFC | ISSUE FOR CONSTRUCTION | 16.06.20 |
| C | REVISED ISSUE | 13.03.20 |
| B | REVISED ISSUE | 28.02.20 |
| A | ISSUE FOR REVIEW | 07.01.20 |
| issue | amendment | date |

hydraulic consultant
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 TELEPHONE: (07) 3876 0088
 QBCC LIC. No. 15067828 FACSIMILE: (07) 3876 0018
 B R I S B A N E admin@brwhydraulics.com.au



Client
 project
PROPOSED HUNDRED AND FOURTEEN (114) TOWNHOUSE RESIDENTIAL DEVELOPMENT STAGE 1
 AT
50 ASHMORE STREET & 420 SOUTH PINE ROAD EVERTON PARK, QLD 4053

drawing title
HYDRAULIC SERVICES STAGE 1 SITE PLAN - 2 OF 4 DRAINAGE

| | | |
|------------|---------------|----------|
| drawn | checked | date |
| SY | B. NIKOLAJEVS | Dec 2019 |
| scale | approved | sheet |
| 1:200 @ A1 | | 4 of 7 |
| job no. | drawing no. | revision |
| 17636-1 | H4 | IFC4 |

NOTE: STORMWATER DRAINAGE FOR INDIVIDUAL TOWNHOUSES TO REFER TO CIVIL ENGINEER DRAWINGS.

① 100mm SANITARY DRAINAGE POINT FOR FUTURE CONNECTION.

BRISBANE CITY COUNCIL
 Plumbing Services Group
 Planning, Design and Waste Streams Division
 PROJECT REF NUMBER
1673963
 COMPLIANCE PERMIT NUMBER
 P1238001728
 APPROVAL DATE
 09/10/2020
 ASSESSMENT OFFICER
 Michael Grogan
 Number of Pages Assessed: 7
 Number of Pages Exempted: 1
 Number of Inspections previously assessed: 0
 Number of new inspections assessed: 0
TOTAL INSPECTION FEE: \$160
 The approval period commences on the date of this approval and shall expire on the date specified in the approval notice.
BRISBANE CITY COUNCIL
 Plumbing Services Group
 PLEASE NOTE:
AMENDED PLAN
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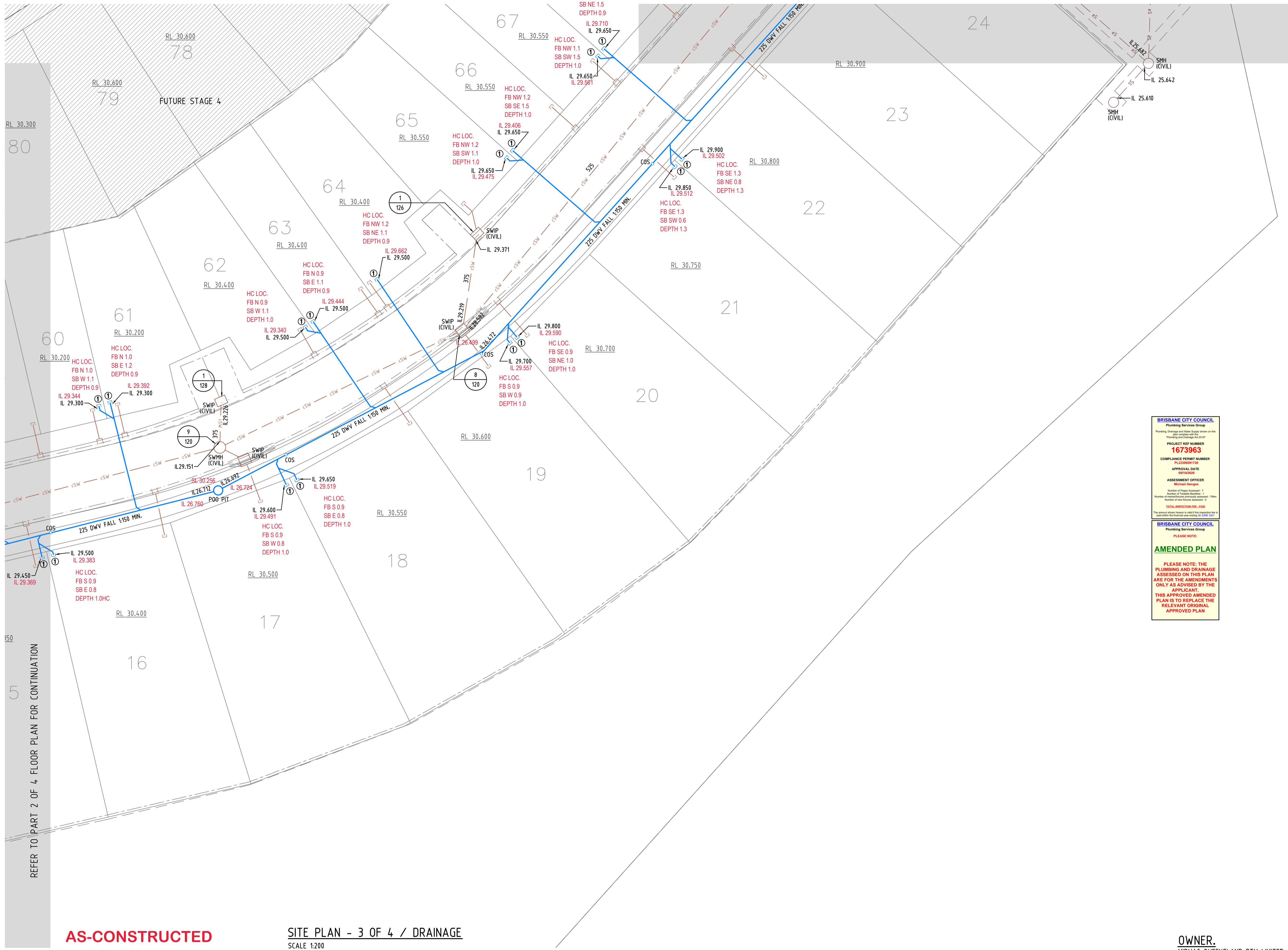
REFER TO PART 3 OF 4 FLOOR PLAN FOR CONTINUATION

DRAINAGE PLAN No. 129521 PA No.

NOTE: STORMWATER DRAINAGE FOR INDIVIDUAL TOWNHOUSES TO REFER TO CIVIL ENGINEER DRAWINGS.

① 100mm SANITARY DRAINAGE POINT FOR FUTURE CONNECTION.

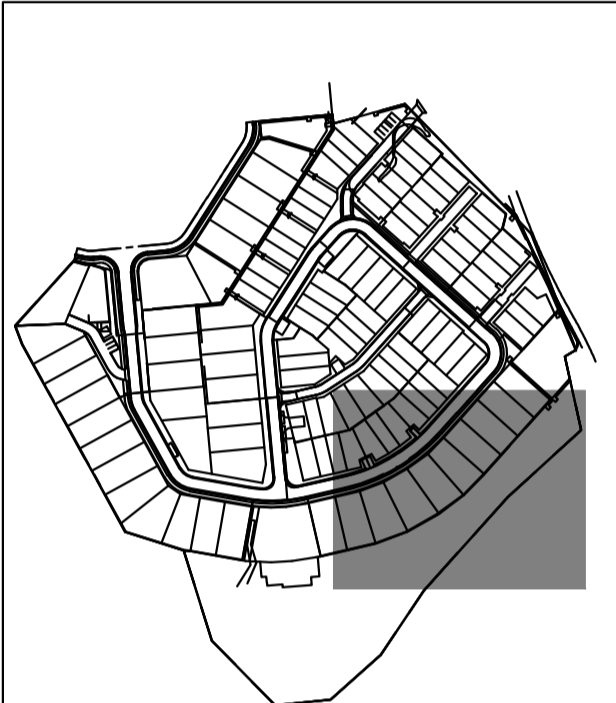
REFER TO PART 4 OF 4 FLOOR PLAN FOR CONTINUATION



HYDRAULIC SERVICES LEGEND

| | | |
|------|------|-------------------------|
| —eS | —eS | EXISTING COUNCIL SEWER |
| —eSW | —eSW | EXISTING STORMWATER |
| —eCW | —eCW | EXISTING WATER SERVICE |
| —eSW | —eSW | NEW CIVIL STORMWATER |
| —eCW | —eCW | NEW HOUSE DRAINAGE |
| —eCW | —eCW | NEW CIVIL WATER SERVICE |
| —eCW | —eCW | NEW COLD WATER SERVICE |

| | |
|-------|---------------------------|
| COS | CLEAR OUT TO SURFACE |
| CV | CONTROL VALVE |
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| IL | INVERT LEVEL |
| JU | JUMP UP |
| RL | REDUCED LEVEL |
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| SMH | SEWER MANHOLE |
| SWIP | STORMWATER INSPECTION PIT |
| SWMH | STORMWATER MANHOLE |



BRISBANE CITY COUNCIL
 Plumbing Services Group
 Planning, Drainage and Water Supply Issues in the
 "Planning and Drainage Act 2010"

PROJECT REF NUMBER
1673963

COMPLIANCE PERMIT NUMBER
PL23000170

APPROVAL DATE
19/08/20

ASSESSMENT OFFICER
Michael Georges

Number of Plans Submitted: 1
 Number of Plans Approved: 1
 Number of Plans Rejected: 0
 Number of New Plans Submitted: 0

TOTAL INSPECTIONS: 0

The amount shown herein is valid if the inspection fee is paid within the time period set out in the Act.

BRISBANE CITY COUNCIL
 Plumbing Services Group

PLEASE NOTE:
AMENDED PLAN

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| | | |
|------|--------------------------------|----------|
| IFC4 | REVISED ISSUE FOR CONSTRUCTION | 19.08.20 |
| IFC3 | ISSUE FOR CONSTRUCTION | 28.07.20 |
| IFC2 | ISSUE FOR CONSTRUCTION | 22.07.20 |
| IFC | ISSUE FOR CONSTRUCTION | 16.06.20 |
| C | REVISED ISSUE | 13.03.20 |
| B | REVISED ISSUE | 28.02.20 |
| A | ISSUE FOR REVIEW | 07.01.20 |

issue amendment date

hydraulic consultant
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 BRISBANE OFFICE:
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 (P.O. BOX 2158) TOOWONG, QLD 4066
 TELEPHONE: (07) 3876 0088
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 B R I S B A N E admin@brwhydraulics.com.au



project
PROPOSED HUNDRED AND FOURTEEN (114) TOWNHOUSE RESIDENTIAL DEVELOPMENT STAGE 1
 AT
50 ASHMORE STREET & 420 SOUTH PINE ROAD EVERTON PARK, QLD 4053

drawing title
HYDRAULIC SERVICES STAGE 1 SITE PLAN - 3 OF 4 DRAINAGE

| | | |
|------------|--|----------|
| drawn | checked | date |
| SY | B. NIKOLAJEVS (QBCC LICENCE N° 15058052) | Dec 2019 |
| scale | approved | sheet |
| 1:200 @ A1 | . | 5 of 7 |
| job no. | drawing no. | revision |
| 17636-1 | H5 | IFC4 |

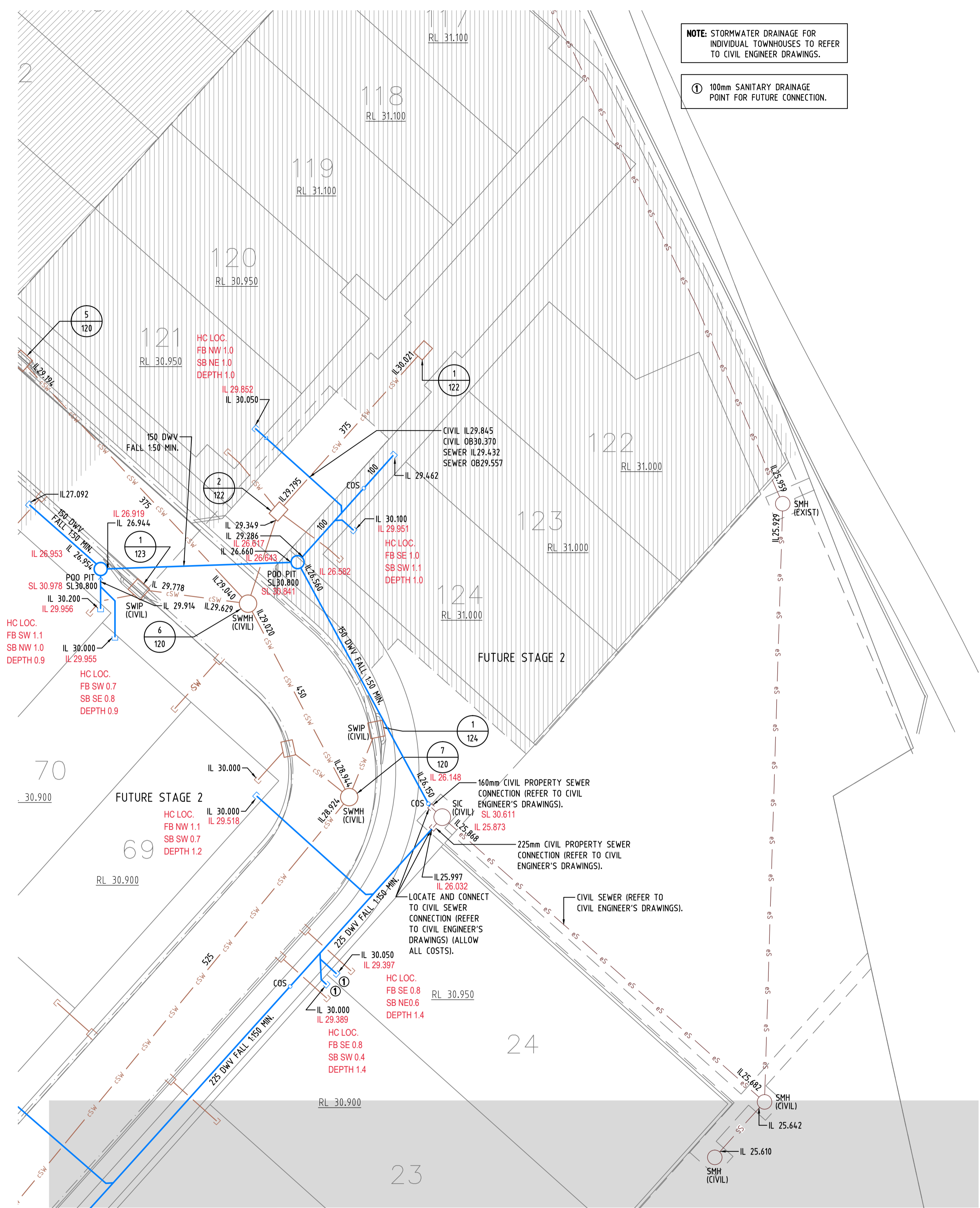
AS-CONSTRUCTED

SITE PLAN - 3 OF 4 / DRAINAGE
 SCALE 1:200

OWNER.
 MIRVAC QUEENSLAND PTY LIMITED

REFER TO PART 2 OF 4 FLOOR PLAN FOR CONTINUATION

REFER TO PART 4 OF 4 FLOOR PLAN FOR CONTINUATION



NOTE: STORMWATER DRAINAGE FOR INDIVIDUAL TOWNHOUSES TO REFER TO CIVIL ENGINEER DRAWINGS.

① 100mm SANITARY DRAINAGE POINT FOR FUTURE CONNECTION.

DRAINAGE PLAN

No. 129521

PA No.

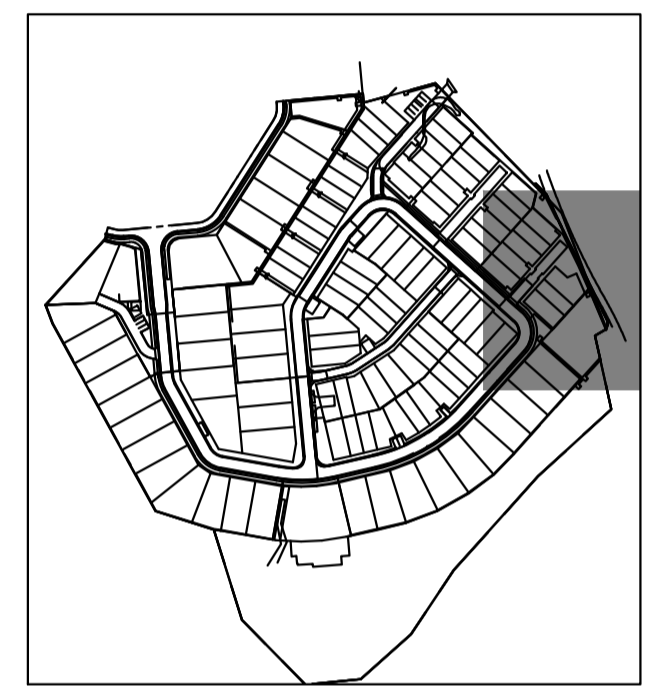
BRISBANE CITY COUNCIL
 Plumbing Services Group
 Planning, Drainage and Water Supply (shown on this plan) (shown on this plan)
1673963
 COMPLIANCE PERMIT NUMBER PL3309091720
 APPROVAL DATE 09/10/2020
 ASSESSMENT OFFICER Michael Grogan

BRISBANE CITY COUNCIL
 Plumbing Services Group
AMENDED PLAN

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HYDRAULIC SERVICES LEGEND

| | | |
|-------|------|---------------------------|
| eS | eS | EXISTING COUNCIL SEWER |
| eSW | eSW | EXISTING STORMWATER |
| nS | nS | NEW CIVIL STORMWATER |
| nH | nH | NEW HOUSE DRAINAGE |
| eCW | eCW | EXISTING WATER SERVICE |
| nCW | nCW | NEW CIVIL WATER SERVICE |
| nCCW | nCCW | NEW COLD WATER SERVICE |
| COS | | CLEAR OUT TO SURFACE |
| CV | | CONTROL VALVE |
| EXIST | | EXISTING |
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| RL | | REDUCED LEVEL |
| SIC | | SEWER INSPECTION CHAMBER |
| SMH | | SEWER MANHOLE |
| SWIP | | STORMWATER INSPECTION PIT |
| SMWH | | STORMWATER MANHOLE |



| issue | amendment | date |
|-------|--------------------------------|----------|
| IFC4 | REVISED ISSUE FOR CONSTRUCTION | 19.08.20 |
| IFC3 | ISSUE FOR CONSTRUCTION | 28.07.20 |
| IFC2 | ISSUE FOR CONSTRUCTION | 22.07.20 |
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| C | REVISED ISSUE | 13.03.20 |
| B | REVISED ISSUE | 28.02.20 |
| A | ISSUE FOR REVIEW | 07.01.20 |

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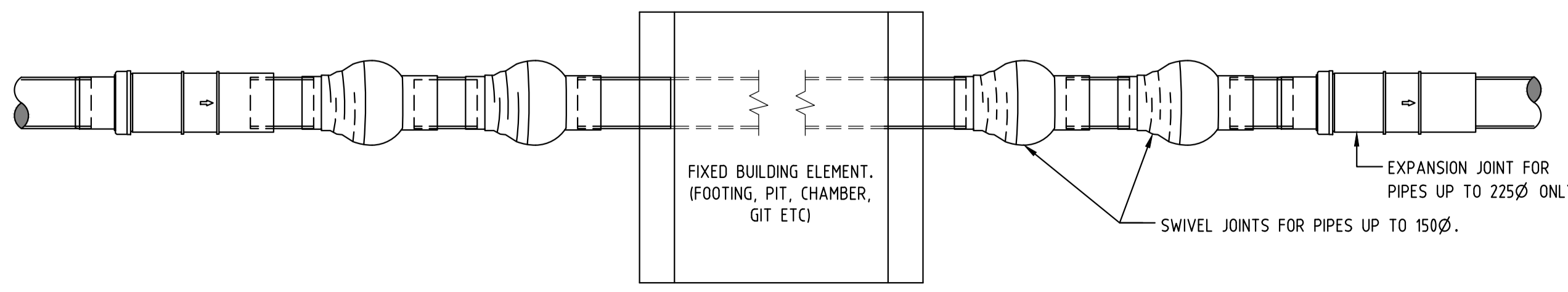
project
PROPOSED HUNDRED AND FOURTEEN (114) TOWNHOUSE RESIDENTIAL DEVELOPMENT STAGE 1
 AT
50 ASHMORE STREET & 420 SOUTH PINE ROAD EVERTON PARK, QLD 4053

drawing title
HYDRAULIC SERVICES STAGE 1 SITE PLAN - 4 OF 4 DRAINAGE

| | | |
|---------------------|--|------------------|
| drawn SY | checked B. NIKOLAJEVS (QBCC LICENCE N° 15058052) | date Dec 2019 |
| scale 1:200 @ A1 | approved | sheet 6 of 7 |
| job no. 17636-1 | drawing no. H6 | revision IFC4 |

EXPANSION JOINT NOTES:

1. THE WHOLE OF THE PLUMBING AND DRAINAGE WORKS SHALL BE IN ACCORDANCE WITH THE LOCAL PLUMBING & DRAINAGE ACT 2002.
2. ALL PIPEWORK INSTALLED IN GROUND THAT IS FILLED, UNSTABLE, EXPANSIVE OR WATER CHARGED AND WHERE SOIL MOVEMENT MAY EFFECT THE PERFORMANCE OF ANY DRAIN. A CERTIFIED PLAN AND SPECIFICATION SHOULD BE PROVIDED BY AN APPROPRIATELY QUALIFIED PERSON.
3. ALL SEWER & STORMWATER SHALL BE CONSTRUCTED AND COMPLY IN ACCORDANCE WITH AS/NZS 3500, AS 2870 AND AS 1260. (ALLOW ALL COSTS).



EXPANSION JOINTS
 NOT TO SCALE

REFER TO PART 3 OF 4 FLOOR PLAN FOR CONTINUATION

SITE PLAN - 4 OF 4 / DRAINAGE
 SCALE 1:200

AS-CONSTRUCTED

OWNER.
 MIRVAC QUEENSLAND PTY LIMITED

DRAINAGE PLAN No. 129521 PA No.



BRISBANE CITY COUNCIL
Planning Services Group
Planning, Drainage and Water Supply shown on this plan comply with the "Municipal Drainage Act 2017"

PROJECT REF NUMBER
1682831

COMPLIANCE PERMIT NUMBER
PL2389673720

APPROVAL DATE
11/09/2019

ASSESSMENT OFFICER
Denny Dickson

Number of Pages Assessed - 4
Number of Trade Standards - 0
Number of Works/Activities Assessed - 150
TOTAL INSPECTION FEE: \$ 765.00

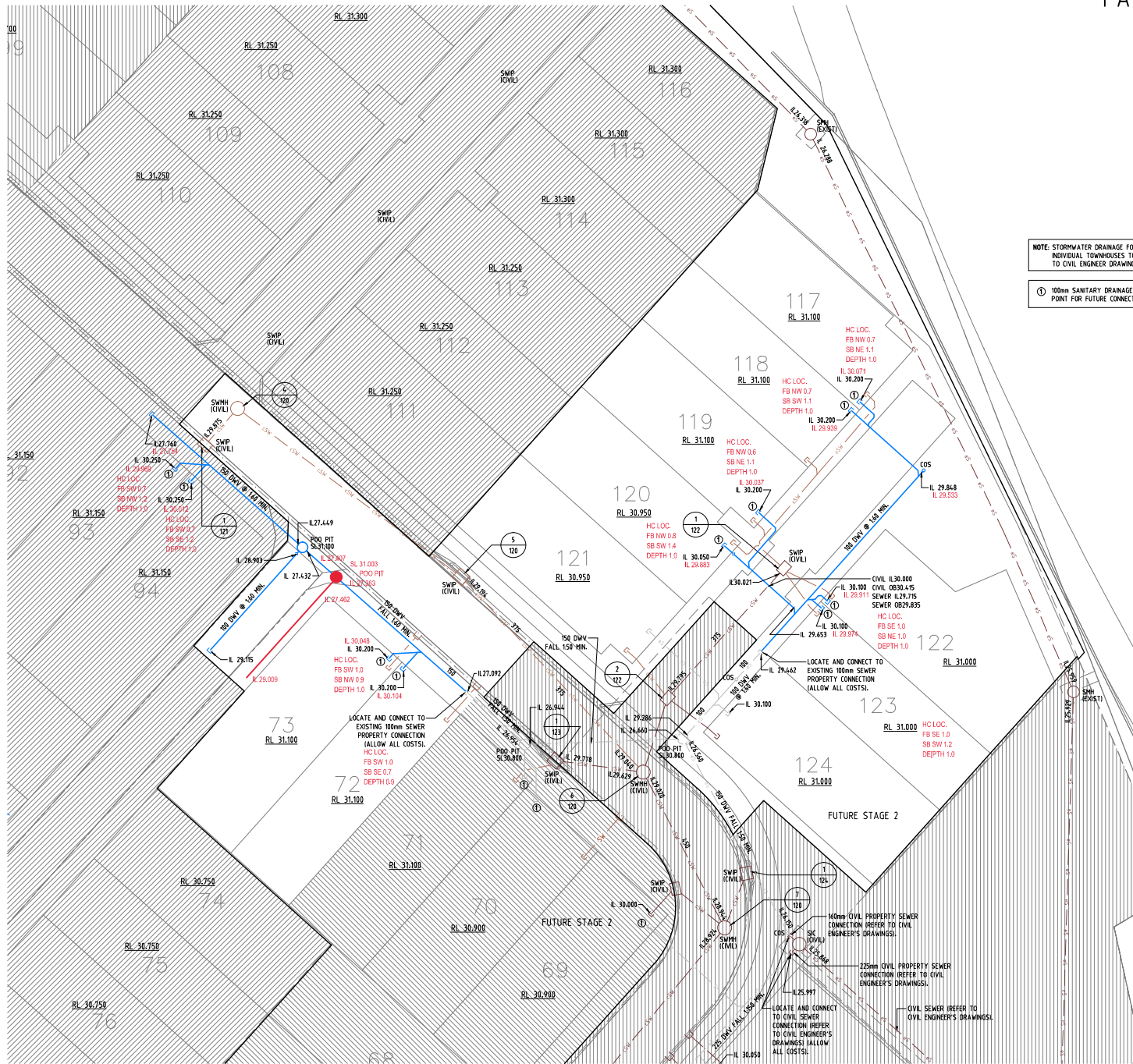
The amount shown above is valid if the inspection fee is paid within the finance year ending 30 June 2021

HYDRAULIC SERVICES LEGEND

| | |
|-----|---------------------------|
| CS | EXISTING COUNCIL SEWER |
| CSW | EXISTING STORMWATER |
| CSM | NEW CIVIL STORMWATER |
| CSN | NEW HOUSE DRAINAGE |
| CSW | EXISTING WATER SERVICE |
| CSW | NEW CIVIL WATER SERVICE |
| CSW | NEW COLD WATER SERVICE |
| CSW | CLEAR OUT TO SURFACE |
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| CV | EXISTING INVERT LEVEL |
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| CV | SEWER INSPECTION CHAMBER |
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| CV | STORMWATER INSPECTION PIT |
| CV | STORMWATER MANHOLE |

NOTE: STORMWATER DRAINAGE FOR INDIVIDUAL TOWNHOUSES TO REFER TO CIVIL ENGINEER DRAWINGS.

100mm SANITARY DRAINAGE POINT FOR FUTURE CONNECTION.



| | | |
|-------|--------------------------------|----------|
| IFC4 | REVISED ISSUE FOR CONSTRUCTION | 19.08.20 |
| IFC3 | ISSUE FOR CONSTRUCTION | 28.07.20 |
| IFC2 | ISSUE FOR CONSTRUCTION | 22.07.20 |
| IFC | ISSUE FOR CONSTRUCTION | 16.06.20 |
| B | ORIGINAL ISSUE | 05.05.20 |
| A | ISSUE FOR REVIEW | 17.04.20 |
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Client
mirvac

Project
PROPOSED HUNDRED AND FOURTEEN (114) TOWNHOUSE RESIDENTIAL DEVELOPMENT STAGE 2
AT
50 ASHMORE STREET & 420 SOUTH PINE ROAD EVERTON PARK, QLD 4053

Drawing Title
HYDRAULIC SERVICES STAGE 2 SITE PLAN DRAINAGE

| | | |
|------------|---|----------|
| drawn | checked | date |
| SY | B. NIKOLAJEVS (IDBCC LICENCE N° 15058052) | Dec 2019 |
| scale | approved | sheet |
| 1:200 @ A1 | | 2 of 4 |
| job no. | drawing no. | revision |
| 17636-2 | | H2 IFC4 |

AS-CONSTRUCTED

SITE PLAN / DRAINAGE
SCALE 1:200

OWNER:
MIRVAC QUEENSLAND PTY LIMITED