

BYRON SHIRE COUNCIL
STP ADDITIONAL FLOW PATH
DISTRIBUTION PIT AUGMENTATION WORKS
DETAILED DESIGN FOR CONSTRUCTION

SOURCE: SIXMAPS 2019


GENERAL

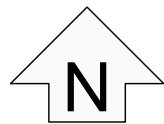
1. THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE FOLLOWING DOCUMENTS:

- WATER

1. NOTWITHSTANDING THE DETAILS SHOWN ON THE DRAWINGS, ALL WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH NORTHERN RIVERS LOCAL GOVERNMENT DEVELOPMENT CONSTRUCTION SPECIFICATION C401.
2. ALL FITTINGS SHALL BE D.I.C.L. PN20 RUBBER RING JOINTED SPIGOT AND SOCKET TO AS 2280-1986, UNLESS NOMINATED OTHERWISE.
3. ANCHOR BLOCKS SHALL BE INSTALLED AT ALL BENDS, JUNCTIONS AND DEAD ENDS.
4. THE CONTRACTOR SHALL OBTAIN THE LOCATION OF ALL SERVICES AND PROTECT THESE SERVICES PRIOR TO WORKING IN THE VICINITY. ANY DAMAGE WILL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
5. ALL TRENCH BACK FILL MATERIAL UNDER ROAD PAVEMENT SHALL BE CBR 15 OR APPROVED EQUIVALENT.
6. ALL WORKS ASSOCIATED WITH LIVE WATER CONNECTIONS MUST BE CARRIED OUT BY BYRON SHIRE COUNCIL ACCREDITED CONTRACTORS UNDER SUPERVISION BY BYRON SHIRE COUNCIL. WHERE CONTRACTORS ARE NOT ACCREDITED, THE WORKS SHALL BE UNDERTAKEN BY BYRON SHIRE COUNCIL AT THE CONTRACTORS COST.
7. ALL NEWLY CONSTRUCTED WATER MAINS TO BE PRESSURE TESTED PRIOR TO CONNECTION IN ACCORDANCE WITH NORTHERN RIVERS LOCAL GOVERNMENT DEVELOPMENT CONSTRUCTION SPECIFICATION C401.
8. IF ANY EXISTING ASBESTOS CEMENT PIPE IS EXPOSED, SMASHED AND REMOVED FROM THE GROUND IT SHALL BE PACKAGED AND DISPOSED OF IN ACCORDANCE WITH THE WORK HEALTH AND SAFETY ACT AND RELEVANT CODES OF PRACTICE. THE AC MAIN SHALL BE KEPT WET TO AVOID ANY POSSIBILITY OF DUST BEING SPREAD ON THE SITE. UNDER NO CIRCUMSTANCES SHALL PIECES OF AC MAIN BE LEFT ON NATURE STRIPS, ROADWAYS OR FOOTPATHS.

PRELIMINARY ISSUE
NOT FOR CONSTRUCTION

REV	DESCRIPTION	DATE	DRAWN	DESIGN	CHECK	APPROVED	<p>SCALES:</p> <p>NOT TO SCALE</p> <p>DO NOT SCALE FROM DRAWING</p>	<p>Copyright in the drawings, information and data recorded in this document ("the information") is the property of Planit Consulting. This document and the information are solely for the use of the authorised recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that for which it was supplied by Planit Consulting. Planit Consulting makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.</p>	DRAWN BY: C.WELLS	<p>PLANIT CONSULTING</p> <p>SUITE 9A, 80-84 BALLINA STREET</p> <p>PO BOX 161</p> <p>LENNOX HEAD NSW 2478</p> <p>PLANIT</p> <p>TELEPHONE: 02 6687 4666</p> <p>ABN: 20 099 261 711</p> <p>EMAIL: administration@planitconsulting.com.au</p>	CLIENT:		PROJECT:
A	ISSUED FOR COMMENT	09.12.19	CW	CW	RB	AW			DESIGN BY: C.WELLS		BYRON SHIRE COUNCIL		BYRON BAY STP - ADDITIONAL FLOW PATH
B	ISSUED FOR APPROVAL	07.02.20	CW	CW	RB	AW			APPROVED BY:		DRAWING TITLE:		
									DATE:		COVER, INDEX, NOTES AND LOCALITY PLAN		
									THIS DRAWING MUST NOT BE USED FOR CONSTRUCTION UNLESS APPROVED BY THE SIGNING OFFICER		LOCAL GOVERNMENT AUTHORITY:		
											BYRON SHIRE COUNCIL		
											ORIGINAL SIZE: A1		PLANIT JOB No.: J5908



100mm AT ORIGINAL SIZE



LAYOUT PLAN
SCALE: 1:100

WARNING

BEWARE OF UNDERGROUND SERVICES

THE LOCATION OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE DETERMINED BY THE CONTRACTOR ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN ON THIS PLAN.

WARNING

BEWARE OF ABOVE GROUND SERVICES

ANY EXCAVATION IN THE VICINITY OF POWER POLES TO BE IN ACCORDANCE WITH THE REGULATIONS OF THE RELEVANT ELECTRICAL AUTHORITY.

LEGEND

PROPOSED WATER MAIN	
EXISTING WATER MAIN	
EXISTING SEWER RISING MAIN (DBYD)	
EXISTING STORMWATER DRAINS	
EXISTING TELECOMMS (DBYD)	
EXISTING ELECTRICAL (DBYD)	
PROPOSED TELECOMMS	
PROPOSED ELECTRICAL	

PRELIMINARY ISSUE
NOT FOR CONSTRUCTION

REV	DESCRIPTION	DATE	DRAWN	DESIGN	CHECK	APPROVED
A	ISSUED FOR COMMENT	09.12.19	CW	CW	RB	AW
B	ISSUED FOR APPROVAL	07.02.20	CW	CW	RB	AW

SCALES:
0 1 2 4 6
Full Size 1:100; Half Size 1:200
Scale (m)

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PLANIT CONSULTING
SUITE 9A, 80-84 BALLINA STREET
PO BOX 161
LENNOX HEAD NSW 2478

TELEPHONE: 02 6687 4666
ABN: 20 099 261 711
EMAIL: administration@planitconsulting.com.au



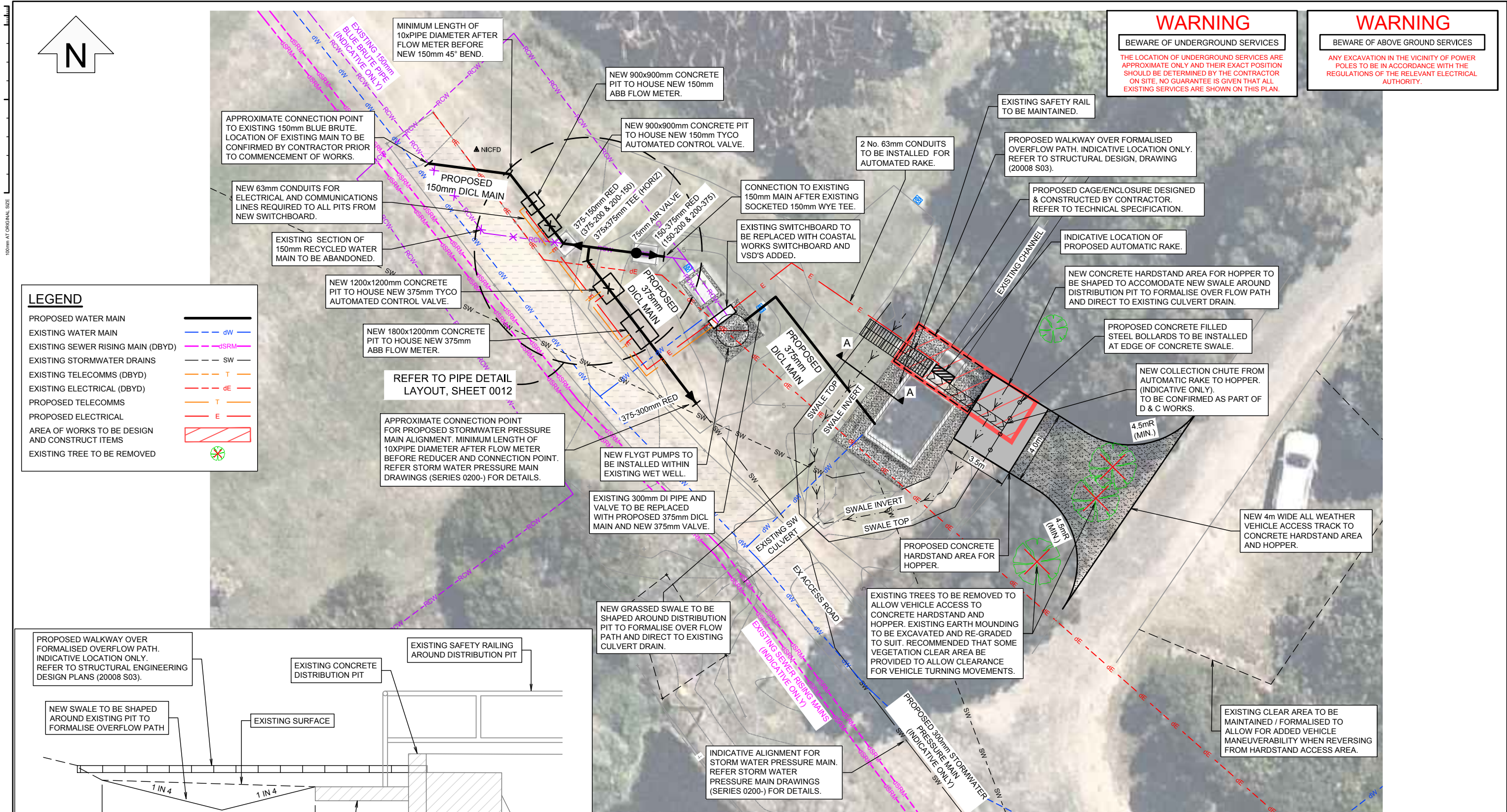
CLIENT:
BYRON SHIRE COUNCIL

LOCAL GOVERNMENT AUTHORITY:
BYRON SHIRE COUNCIL



PROJECT:
BYRON BAY STP - ADDITIONAL FLOW PATH
DRAWING TITLE:
EXISTING CONDITIONS PLAN

ORIGINAL SIZE: A1
PLANIT JOB No.: J5908
DRAWING No.: 0221
REV: B



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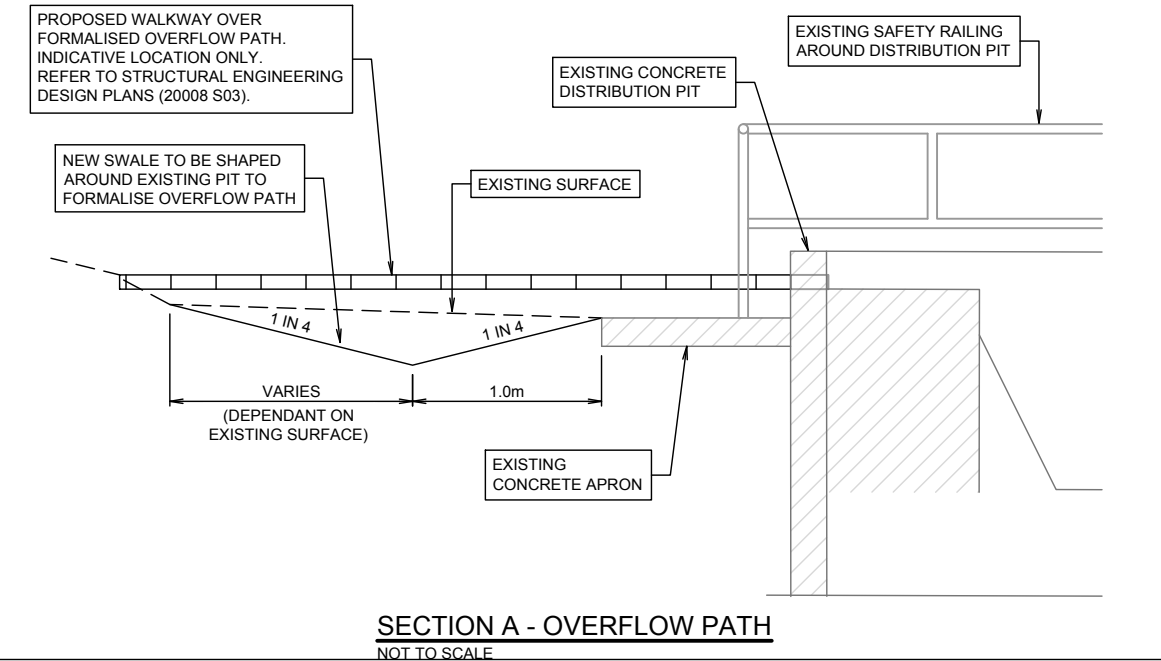
WARNING

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LEGEND

PROPOSED WATER MAIN	— dw —
EXISTING WATER MAIN	— dW —
EXISTING SEWER RISING MAIN (DBYD)	— dSRM —
EXISTING STORMWATER DRAINS	— SW —
EXISTING TELECOMMS (DBYD)	— T —
EXISTING ELECTRICAL (DBYD)	— dE —
PROPOSED TELECOMMS	— T —
PROPOSED ELECTRICAL	— E —
AREA OF WORKS TO BE DESIGN AND CONSTRUCT ITEMS	[Hatched Box]
EXISTING TREE TO BE REMOVED	[Tree Symbol]



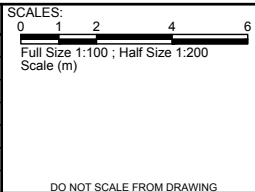
LAYOUT PLAN
SCALE: 1:100

NEW WATER MAIN SCHEDULE

PIPE DIAMETER	PIPE CLASS	PIPE LENGTH
150mm	PVC BLUE BRUTE	6.4m
150mm	DICL	4.7m
375mm	DICL	24.4m

PRELIMINARY ISSUE
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PLANIT CONSULTING
SUITE 9A, 80-84 BALLINA STREET
PO BOX 161
LENNOX HEAD NSW 2478

TELEPHONE: 02 6687 4666
ABN: 20 099 261 711
EMAIL: administration@planitconsulting.com.au

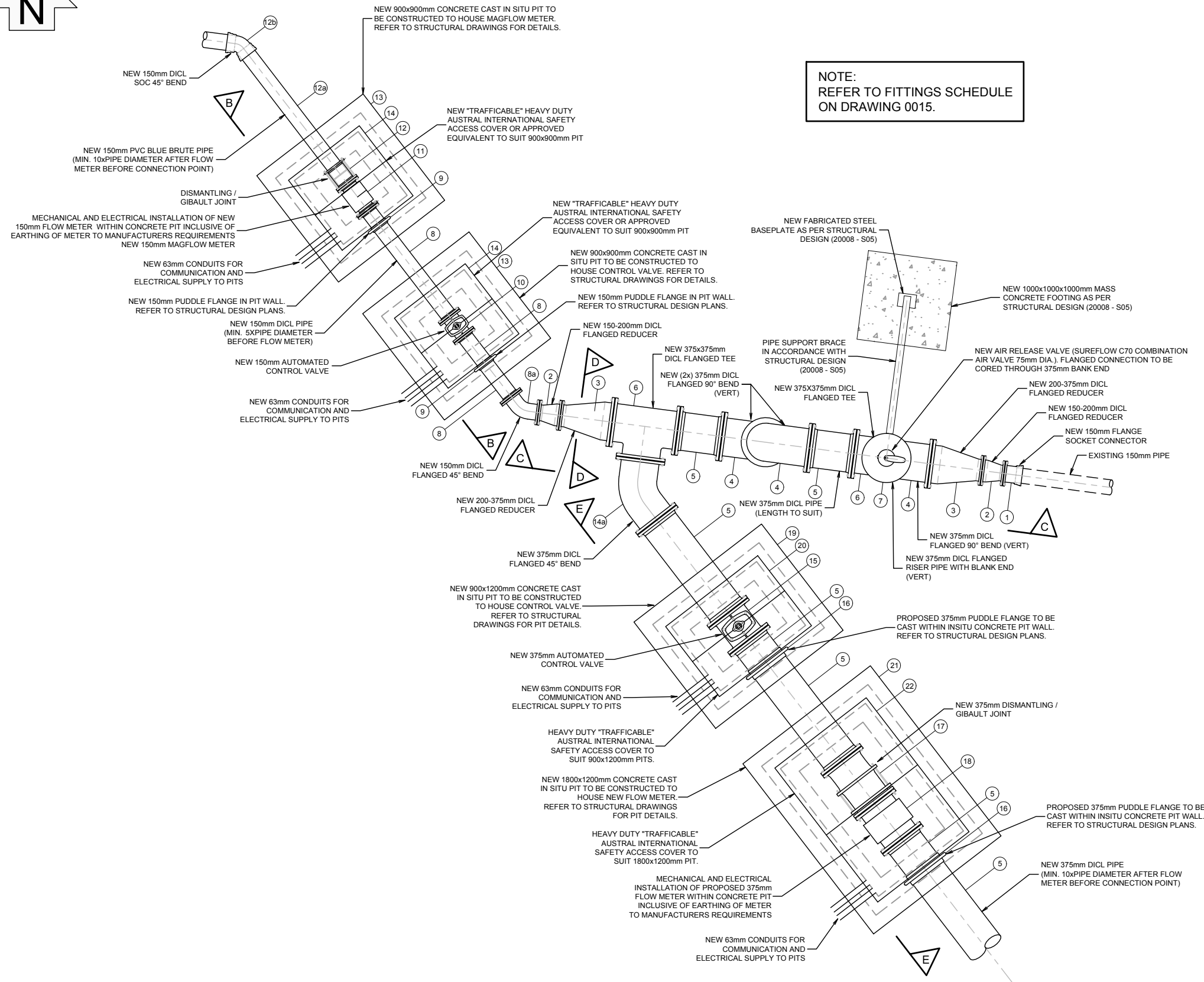
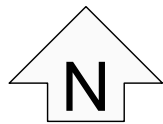
CLIENT:
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LOCAL GOVERNMENT AUTHORITY:
BYRON SHIRE COUNCIL



PROJECT: BYRON BAY STP - ADDITIONAL FLOW PATH	ORIGINAL SIZE: A1	PLANIT JOB No.: J5908	DRAWING No.: 0222	REV: B
DRAWING TITLE: PROPOSED SITE LAYOUT PLAN				

100mm AT ORIGINAL SIZE



NOTE:
REFER TO FITTINGS SCHEDULE
ON DRAWING 0015.

DETAILED PIPE LAYOUT
NOT TO SCALE

PRELIMINARY ISSUE
NOT FOR CONSTRUCTION

REV	DESCRIPTION	DATE	DRAWN	DESIGN	CHECK	APPROVED
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B	ISSUED FOR APPROVAL	07.02.20	CW	CW	RB	AW

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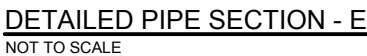
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SUITE 9A, 80-84 BALLINA STREET
PO BOX 161
LENNOX HEAD NSW 2478
TELEPHONE: 02 6687 4666
ABN: 20 099 261 711
EMAIL: administration@planitconsulting.com.au

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BYRON SHIRE COUNCIL
LOCAL GOVERNMENT AUTHORITY:
BYRON SHIRE COUNCIL



PROJECT: BYRON BAY STP - ADDITIONAL FLOW PATH	DRAWING TITLE: DETAILED PIPE LAYOUT	ORIGINAL SIZE: A1	PLANIT JOB No.: J5908	DRAWING No.: 0223	REV: B
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SUITE 9A, 80-84 BALLINA STREET
PO BOX 161
LENNOX HEAD NSW 2478

TELEPHONE: 02 6687 4666
ABN: 20 099 261 711
EMAIL: administration@planitconsulting.com.au



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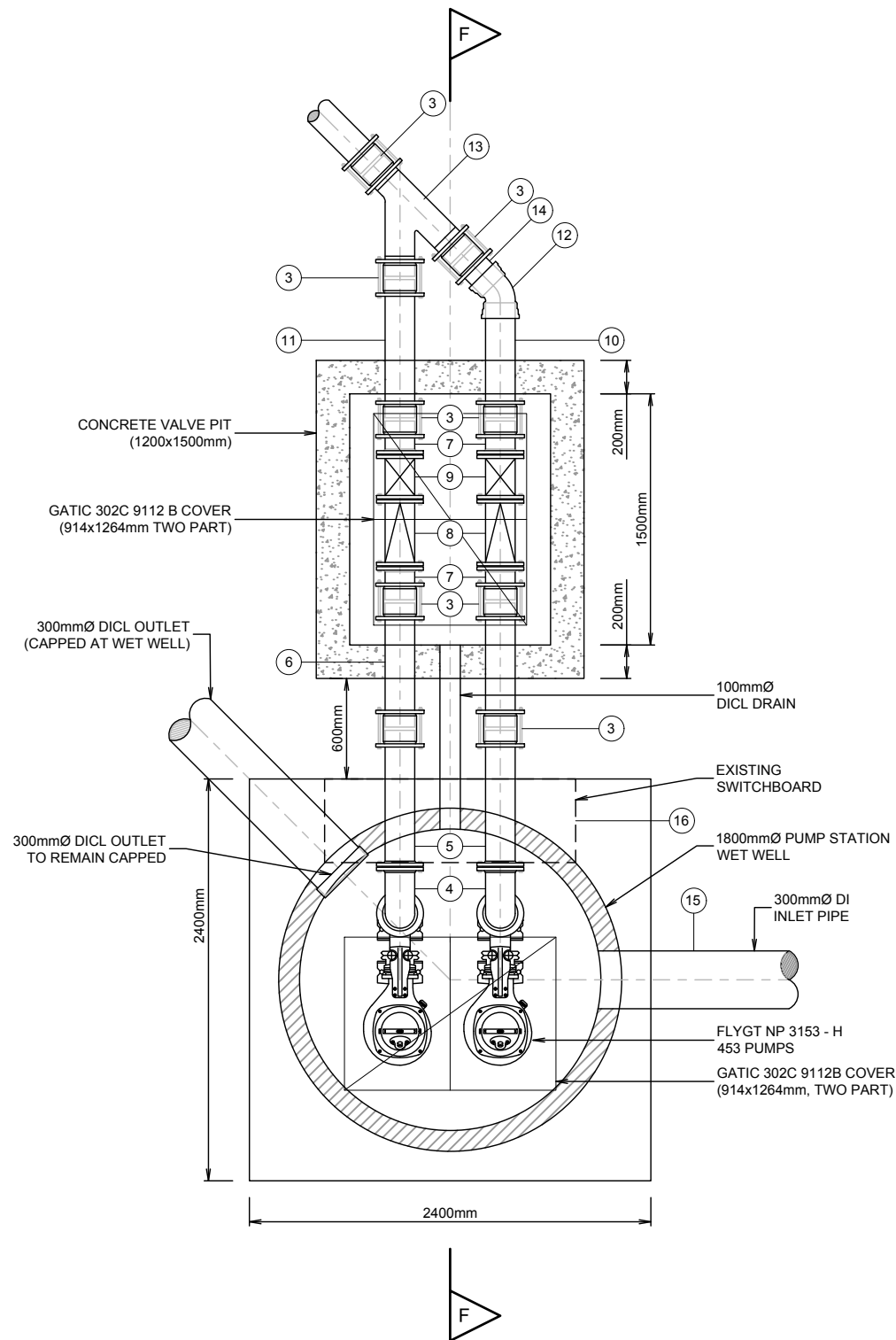


PROJECT: BYRON BAY STP - ADDITIONAL FLOW PATH

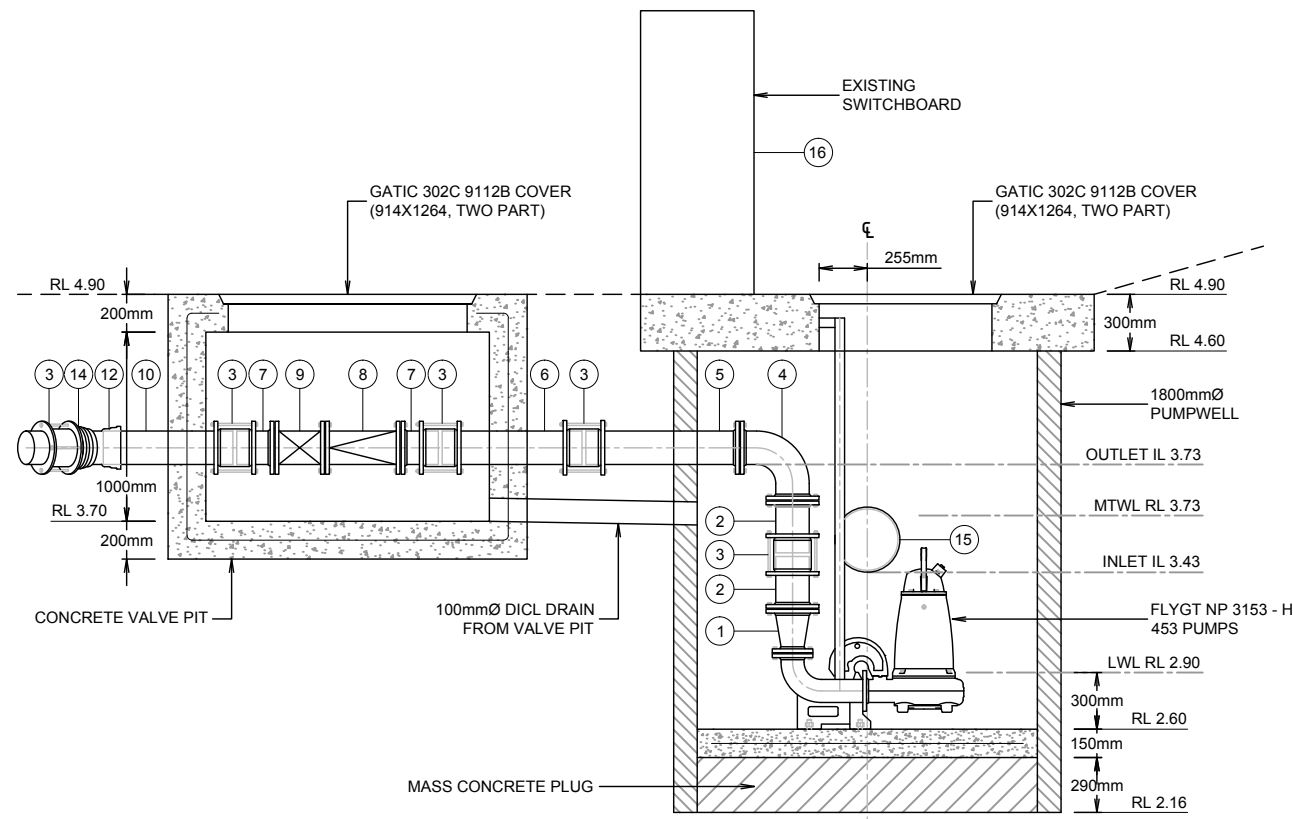
DRAWING TITLE:
DETAILED PIPE SECTIONS

ORIGINAL SIZE:	PLANIT JOB No.:	DRAWING No.:	REV:
A1	J5908	0224	B

100mm AT ORIGINAL SIZE



LAYOUT PLAN
SCALE: 1:20



SECTION - F
SCALE: 1:20

EXISTING FITTINGS SCHEDULE				
ITEM	DESCRIPTION	No.	MATERIAL	COMMENT
1	100x150mm FL - FL REDUCER	2	DICL	CONCENTRIC
2	150mm FL & SP PIPE	4	DICL	LENGTH TO SUIT (APPROX. 300mm LONG)
3	150mm ELONGATED GIBALT	11	S/STEEL	-
4	150mm FL - FL 90° BEND	2	DICL	-
5	150mm FL - SP PIPE	2	DICL	LENGTH TO SUIT (APPROX. 800mm LONG)
6	150mm SP - SP PIPE	2	DICL	LENGTH TO SUIT (APPROX. 800mm LONG)
7	150mm FL - SP CONNECTOR	4	DICL	-
8	150mm FL - FL REFLUX VALVE	2	DICL	-
9	150mm FL - FL SLUICE VALVE	2	DICL	-
10	150mm SP - SP PIPE	1	DICL	LENGTH TO SUIT (APPROX. 650mm LONG)
11	150mm SP - SP PIPE	1	DICL	LENGTH TO SUIT (APPROX. 900mm LONG)
12	150mm SO - SP 45° BEND	1	DICL	-
13	150mm SP - SP - SP WYE	1	DICL	-
14	150mm SP - SP PIPE	1	DICL	LENGTH TO SUIT (APPROX. 220mm LONG)
15	300mm SP - SO PIPE	1	DI	INLET PIPE TO BE REMOVED
16	ELECTRICAL SWITCHBOARD	1	-	TO BE REPLACED

PRELIMINARY ISSUE
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A	ISSUED FOR COMMENT	09.12.19	CW	CW	RB	AW
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SCALE: 0 0.2 0.4 0.8 1.2
Full Size 1:20 ; Half Size 1:40
Scale (m)
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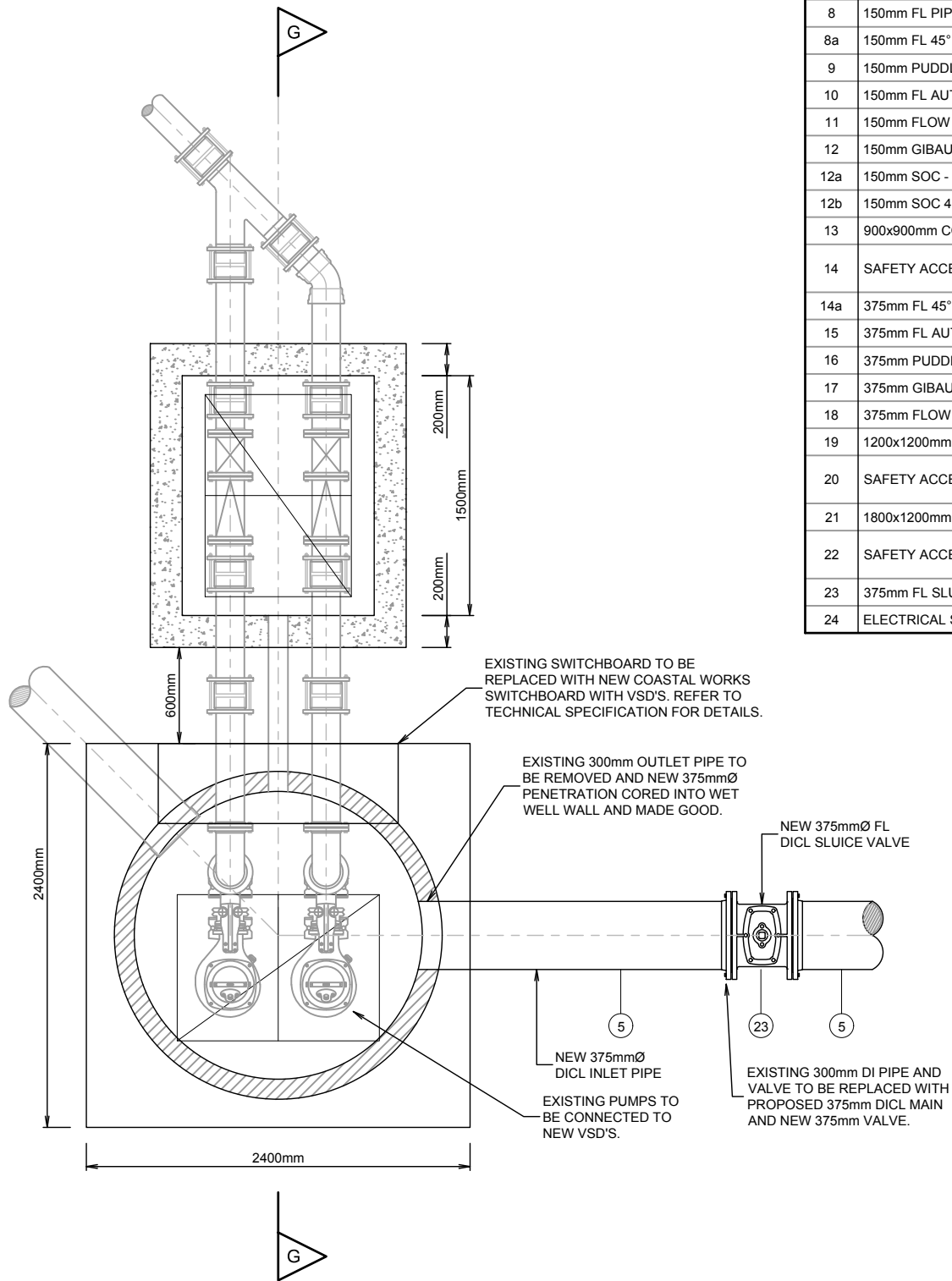
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SUITE 9A, 80-84 BALLINA STREET
PO BOX 161
LENNOX HEAD NSW 2478
TELEPHONE: 02 6687 4666
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BYRON SHIRE COUNCIL



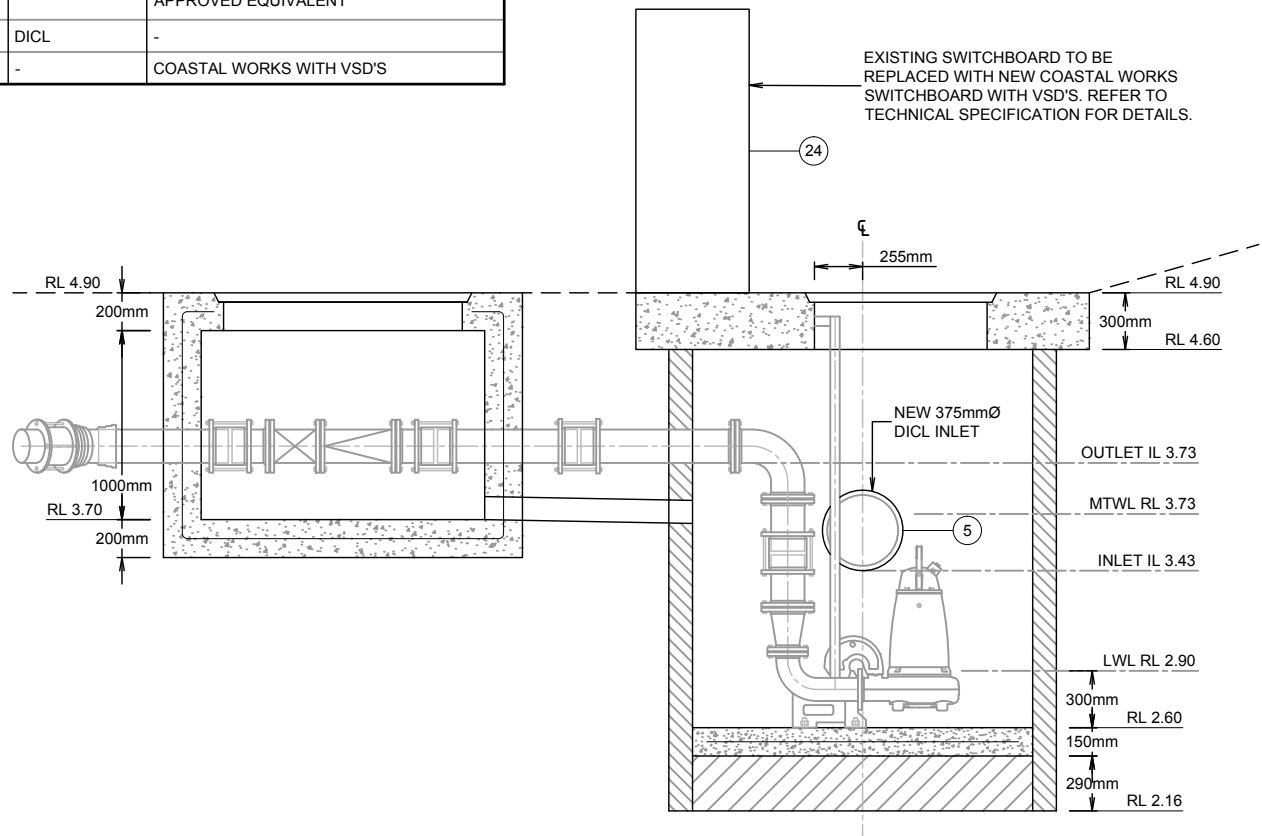
PROJECT:
BYRON BAY STP - ADDITIONAL FLOW PATH
DRAWING TITLE:
EXISTING PUMP STATION LAYOUT,
SECTION AND EXISTING FITTINGS SCHEDULE
ORIGINAL SIZE: PLANIT JOB No.:
A1 J5908
DRAWING No.:
0225
REV:
B

100mm AT ORIGINAL SIZE



LAYOUT PLAN
SCALE: 1:20

NEW FITTINGS SCHEDULE				
ITEM	DESCRIPTION	No.	MATERIAL	COMMENT
1	150mm FL - SOC CONNECTOR	2	DICL	-
2	150-200mm FL REDUCER	2	DICL	CONCENTRIC
3	200-375mm FL REDUCER	2	DICL	CONCENTRIC
4	375mm FL 90° BEND	3	DICL	-
5	375mm FL PIPE	10	DICL	LENGTH TO SUIT
6	375x375mm FL TEE	2	DICL	-
7	75mm FL AIR RELEASE VALVE	1	DICL	SUREFLOW C70 COMBINATION AIR VALVE
8	150mm FL PIPE	5	DICL	LENGTH TO SUIT
8a	150mm FL 45° BEND	1	DICL	-
9	150mm PUDDLE FLANGE	2	DICL	-
10	150mm FL AUTOMATED CONTROL VALVE	1	DICL	-
11	150mm FLOW METER	1	-	-
12	150mm GIBAULT / DISMANTLING JOINT	2	-	-
12a	150mm SOC - SP PIPE	1	PVC	BLUE BRUTE (LENGTH TO SUIT)
12b	150mm SOC 45° BEND	1	DICL	-
13	900x900mm CONCRETE PIT	2	CONCRETE	REFER TO STRUCTURAL DRAWINGS
14	SAFETY ACCESS COVER TO SUIT 900x900mm PIT	2	-	HEAVY DUTY AUSTRAL INTERNATIONAL OR APPROVED EQUIVALENT
14a	375mm FL 45° BEND	1	DICL	-
15	375mm FL AUTOMATED CONTROL VALVE	1	DICL	-
16	375mm PUDDLE FLANGE	2	DICL	-
17	375mm GIBAULT / DISMANTLING JOINT	1	-	-
18	375mm FLOW METER	1	-	-
19	1200x1200mm CONCRETE PIT	1	CONCRETE	REFER TO STRUCTURAL DRAWINGS
20	SAFETY ACCESS COVER TO SUIT 1200x1200mm PIT	1	-	HEAVY DUTY AUSTRAL INTERNATIONAL OR APPROVED EQUIVALENT
21	1800x1200mm CONCRETE PIT	1	CONCRETE	REFER TO STRUCTURAL DRAWINGS
22	SAFETY ACCESS COVER TO SUIT 1800x1200mm PIT	1	-	HEAVY DUTY AUSTRAL INTERNATIONAL OR APPROVED EQUIVALENT
23	375mm FL SLUICE VALVE	1	DICL	-
24	ELECTRICAL SWITCHBOARD	1	-	COASTAL WORKS WITH VSD'S



SECTION - G
SCALE: 1:20

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PLANIT CONSULTING
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PO BOX 161
LENNOX HEAD NSW 2478
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LOCAL GOVERNMENT AUTHORITY:
BYRON SHIRE COUNCIL



PROJECT:
BYRON BAY STP - ADDITIONAL FLOW PATH
DRAWING TITLE:
PROPOSED PUMP STATION LAYOUT, SECTION AND NEW FITTINGS SCHEDULE
ORIGINAL SIZE: A1
PLANIT JOB No.: J5908
DRAWING No.: 0226
REV: B