

NORTHSIDE WEST CLINIC

STORMWATER MANAGEMENT PLAN

DRAWING INDEX:

DR-000 LEGEND

DR-100 PIPE LAYOUT - LOWER GROUND FLOOR

DR-101 PIPE LAYOUT - GROUND FLOOR

DR-110 DETAILS

DR-200 STORMWATER DIVERSION

DR-210 LONG SECTIONS - SHEET 1

LEGEND:

— SW — STORMWATER PIPE

— SW — EXISTING STORMWATER PIPE

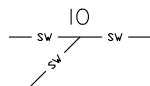
— — — EXISTING SEWER PIPE



PROPOSED STORMWATER PIT



EXISTING STORMWATER PIT




INSPECTION OPENING

NOTES:

1. ALL DIMENSIONS TO BE CONFIRMED ON SITE PRIOR TO CONSTRUCTION.
2. SITE LAYOUT BASED ON ARCHITECTURAL PLANS BY TEAM2 ARCHITECTS (REVISION 4).
3. LOCATION OF ALL SERVICES MUST BE CONFIRMED ON SITE PRIOR TO COMMENCEMENT OF EXCAVATION WORKS.
4. ALL STORMWATER DRAINAGE PIPES AND ASSOCIATED DEVICES ARE TO BE INSTALLED IN ACCORDANCE WITH THE RELEVANT STANDARDS, THE BUILDING CODE OF AUSTRALIA, MANUFACTURER'S RECOMMENDATIONS, SYDNEY CATCHMENT AUTHORITY RECOMMENDED PRACTICE, AND LOCAL COUNCIL, AS APPLICABLE.
5. ALL INVERT LEVELS PROVIDED ON THIS DRAWING ARE REDUCED TO AHD AND BASED ON INTERPOLATED SURFACE LEVELS AND SYSTEM REQUIREMENTS
6. WHERE POSSIBLE, PIPEWORK SHALL BE LOCATED EXTERNAL TO THE BUILDING.
7. STORMWATER PIPES TO BE GRADED AT A MINIMUM 1% UNLESS NOTED OTHERWISE.
8. GUTTER AND DOWNPIPE CONFIGURATION TO BE INSTALLED IN ACCORDANCE WITH AS3500, REFER TO HYDRAULIC SERVICES DRAWINGS FOR BUILDING AND ROOF DRAINAGE
9. ALL PIPE AND CONDUITS TO BE MARKED IN ACCORDANCE WITH AS1345 – 1995.
10. TRENCHES AND SERVICE SEPARATIONS IN ACCORDANCE WITH AS/NZS 5601, AS/NZS 3500, AND AS/CA S009.

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REVISIONS	1	LES	26.11.2021	REVISED EASEMENT LOCATION	SSD	NA DO NOT SCALE. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SPECIFIED	DESIGNED	LES	CHECKED	SSD	 Stellen Stellen Consulting ABN 61 149 095 189	LEGEND				
	0	LES	01.11.2021	APPROVED FOR SUBMISSION	LES		DRAWN	YYA	CHECKED	SSD						
	C	LES	22.10.2021	DRAFT FOR REVIEW	LES		APPROVED	IRW	DATE	26.11.2021						
	B	YYA	15.07.2021	DRAFT FOR REVIEW	LES											
	A	LES	08.06.2021	ISSUED FOR QS	IRW											
	No.	BY	DATE	DESCRIPTION	APPD						Size	A3	Status	APPROVED FOR SUBMISSION	Drg No.	DR-000

20,000 LITRE ABOVE GROUND RAINWATER TANK, REFER TO DR-110 FOR DETAILS.

RAINWATER TANK TO COLLECT WATER FROM ALL NEW ROOF AREAS AND BE CONNECTED TO OUTDOOR IRRIGATION SYSTEM

APPROXIMATE LOCATION OF EXISTING SEWER SERVICE

PROVIDE NEW 600 SQ PIT AND BREAK INTO EXISTING 300mm STORMWATER BELOW

PROPOSED STORMWATER TREATMENT, 2 OFF OCEAN PROTECT 690mm PSORB CARTRIDGES OR APPROVED EQUIVALENT IN 1200 SQUARE PIT
INLET: Ø225
OUTLET: Ø225

PROVIDE NEW 600mm GRATED PIT WITH LOAD CLASS C LID (TYPICAL)

EXISTING 225 CONNECTION TO SYDNEY WATER CHANNEL AT REAR.

CHARGED RAINWATER INLET FROM ROOF DRAINAGE SYSTEM (INDICATIVE), REFER TO HYDRAULIC SERVICES DRAWINGS FOR DETAIL

PROVIDE NEW CONNECTION TO EXISTING PIT AND MAKE GOOD

PROVIDE 200x100 GRATED BOX DRAIN AT BASE OF DRIVEWAY, MIN LOAD CLASS "C"

MAKE GOOD EXISTING 600mm PIT AND ASSOCIATED PIPEWORK. ENSURE EXISTING 100mm PIPE CONNECTION FROM OSD SYSTEM IS MAINTAINED.

MAKE GOOD EXISTING 600mm PIT AND PROVIDE OCEAN PROTECT FILTER BASKET

PROVIDE NEW 600MM PIT WITH LOAD CLASS C LID AND OCEAN PROTECT PIT BASKET (TYPICAL)

EXISTING 100mm PIPE FROM OSD TANK, REFER TO DR-101

REFER TO DR-101

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Scale

1:400

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NORTHSIDE WEST CLINIC

PIPE LAYOUT - LOWER GROUND FLOOR

Size	A3	Status	APPROVED FOR SUBMISSION	Org No.	DR-100	Rev.	1
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REVISIONS

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1	LES	26.11.2021	REVISED EASEMENT LOCATION	SSD
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EXISTING 600mm COUNCIL STORMWATER ASSET, DISCHARGES TO SYDNEY WATER CHANNEL AT REAR

PROPOSED NEW 600mm BOUNDARY PIT WITH TRASH SCREEN, CONNECT TO NEW COUNCIL STORMWATER PIT ADJACENT TO BOUNDARY. REFER TO DR-110 DETAIL 4

PROPOSED STORMWATER TREATMENT, 2 OFF OCEAN PROTECT 690mm PSORB CARTRIDGES OR APPROVED EQUIVALENT IN 1200 SQUARE PIT
INLET: Ø225
OUTLET: Ø225

PROPOSED EASEMENT TO DRAIN WATER, 2600 WIDE (IN FAVOUR OF COUNCIL), REFER TO DR-200 FOR STORMWATER DIVERSION DETAILS

PROVIDE NEW 600mm PIT WITH LOAD CLASS C LID AND OCEAN PROTECT PIT BASKET, REFER TO DR-110 DETAIL 3 (TYPICAL)

PROVIDE NEW 600mm GRATED PIT WITH LOAD CLASS C LID (TYPICAL)

PROPOSED UPGRADE TO COUNCIL DRAINAGE IN LYTTON ROAD, REFER TO DR-200 FOR DETAILS

EXISTING COUNCIL STORMWATER

REFER DR-100 FOR CONTINUATION

EXISTING OSD SYSTEM TO REMAIN, REFER TO ASBT-004/A-OSD FOR AS BUILT INFORMATION

EXISTING SERVICE ACCESS AREA DRAINAGE TO REMAIN, INSPECT AND MAKE GOOD, REFER TO DR-100

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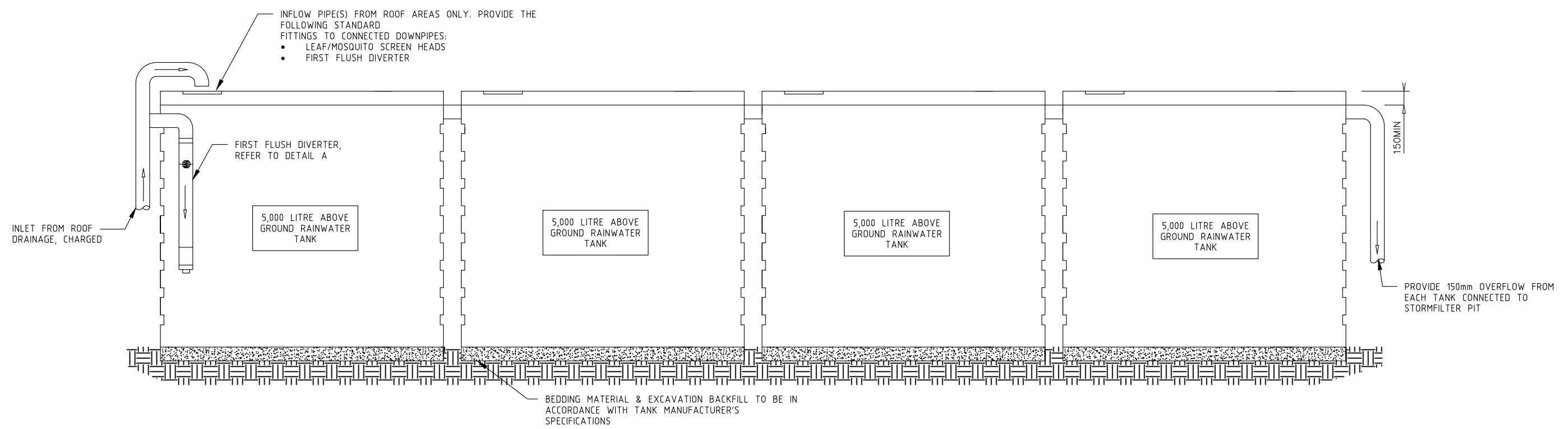
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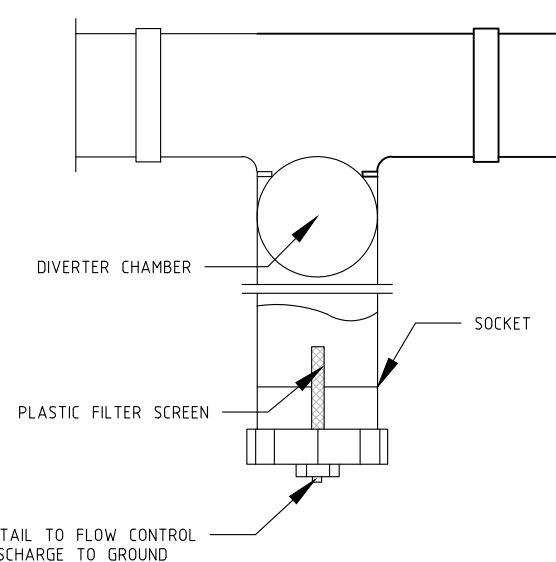
NORTHSIDE WEST CLINIC			
PIPE LAYOUT - GROUND FLOOR			
Size	Status	Org No.	Rev.
A3	APPROVED FOR SUBMISSION	DR-101	1



DETAIL
1

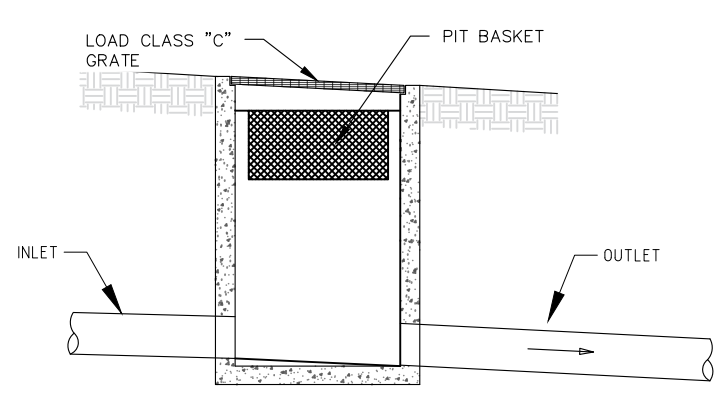
TYPICAL RAINWATER REUSE TANK ELEVATION
NOT TO SCALE

- NOTES:
- 1. RAINWATER TANK MUST MEET, AND BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF ALL APPLICABLE REGULATORY AUTHORITIES.
 - 2. THE APPLICANT MUST CONFIGURE THE RAINWATER TANK TO COLLECT RAINWATER RUNOFF FROM ALL NEW ROOF AREAS (APPROX 2,110 m²).
 - 3. RAINWATER TANK TO BE CONNECTED TO OUTDOOR IRRIGATION SYSTEM.



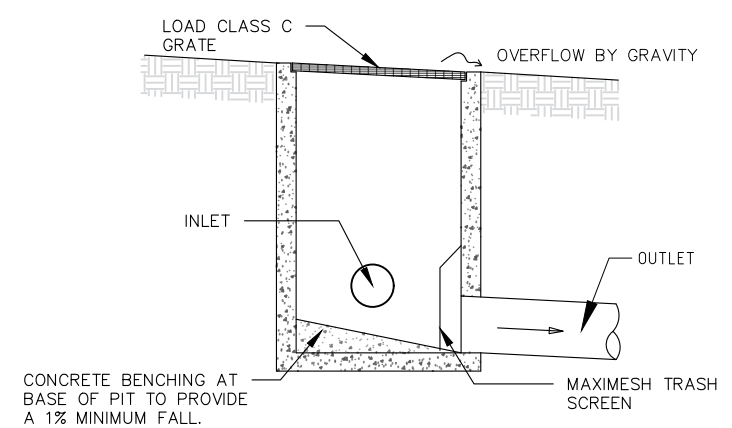
DETAIL
A

FIRST FLUSH DIVERTER
NOT TO SCALE



DETAIL
3

600 SQUARE MEDIUM DUTY PIT
WITH PIT BASKET
NOT TO SCALE




DETAIL
4

600 SQUARE MEDIUM DUTY PIT
WITH MAX TRASH SCREEN
NOT TO SCALE

- NOTES:
- 1. 'LYSAGHT' MAXIMESH RH3030 (HOT DIPPED GALVANISED) OR EQUIVALENT.
 - 2. MAXI MESH SCREENS MUST BE PLACED SUCH THAT THE LONG AXIS OF THE OVAL SHAPED HOLES ARE ORIENTATED HORIZONTALLY WITH THE PROTRUDING LIP ANGLED UPWARDS AND FACING TOWARDS THE OUTLET.

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EXISTING 600mm COUNCIL STORMWATER ASSET, DISCHARGES TO SYDNEY WATER CHANNEL AT REAR

BREAK INTO EXISTING COUNCIL 600mm STORMWATER PIPE AND CONSTRUCT NEW 1200x1200mm SQUARE PIT WITH 900mm GRATED ACCESS, LOAD CLASS B

1200x1200mm SQUARE PIT WITH 900mm GRATED ACCESS, LOAD CLASS B

PROPOSED EASEMENT TO DRAIN WATER, 2600 WIDE

STRUCTURAL ENGINEER TO ENSURE BUILDINGS FOOTING/PIERS DOES NOT AFFECT, OR IS LOWER THAN, PROPOSED PIPE ZONE OF INFLUENCE.

EXISTING EASEMENT TO DRAIN WATER (1220 WIDE) TO BE EXTINGUISHED.

EXISTING 600mm STORMWATER PIPE IN EASEMENT TO BE DECOMMISSIONED. BACKFILL WITH GROUT OR REMOVE PIPE AND BACKFILL.

1500x1200mm PIT WITH 900mm SEALED ACCESS, LOAD CLASS C

REPLACE/MAKE GOOD EXISTING PITS TO COUNCIL SPECIFICATION (SD8010)

EXISTING COUNCIL STORMWATER PIPE FROM UPSTREAM SYSTEM 375mm RCP

PIT 02 P-02 PIT 01

3968

P-03

2600

PIT 03

7315

PIT 04 P-05 PIT 05

EXISTING COUNCIL 375mm RCP TO BE DECOMMISSIONED

- NOTES:
- EASEMENT SETOUT INDICATIVE ONLY, FINAL DIMENSIONS AND SETOUT OF EASEMENT TO BE CONFIRMED PRIOR TO CONSTRUCTION.
 - LOCATION OF SERVICES TO BE CONFIRMED PRIOR TO CONSTRUCTION
 - PUBLIC ASSETS' (PIPES & PITS) TO BE CONSTRUCTED IN ACCORDANCE WITH COUNCIL SPECIFICATIONS

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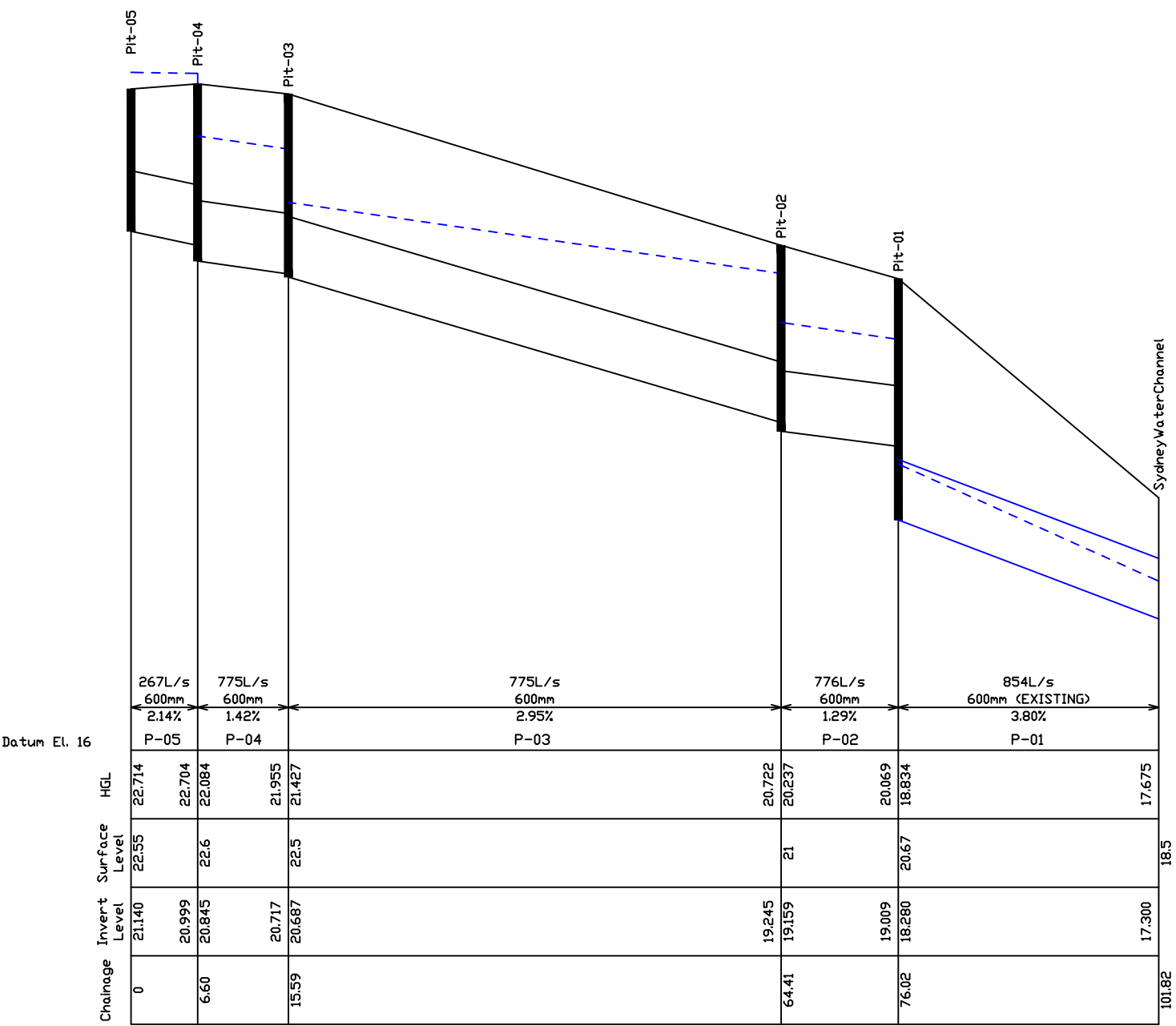


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NORTHSIDE WEST CLINIC			
STORMWATER DIVERSION			
Size	A3	Status	APPROVED FOR SUBMISSION
Drwg No.	DR-200	Rev.	1

HYDRAULIC GRADE LINE (5% AEP) - - - - -




LONG SECTION 1, PIT-05 TO OUTLET

1: 600
1(H): 10(V)
ALL PIPEWORK TO BE CLASS 4 RCP

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REFER COUNCIL STANDARD DRAWING SD 8010

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	No.	BY	DATE	DESCRIPTION		APPD							Size	A3	Status	DRAFT FOR REVIEW	Drp No.	DR-220