



GENERAL:

PIPEWORK OTHER THAN THAT COVERED BY THE NOTES SHALL BE IDENTIFIED THUS:-

SHOWS INTERNAL DIAMETER OF PIPE IN mm SHOWS APPROXIMATE GRADIENT E.G. 1 IN 100

AT MANHOLES AND INSPECTION CHAMBERS: BD = BACKDROP, UIL = UPPER INVERT LEVEL

EXISTING:

Ex. PIPEWORK MAINTAINED
Ex. PIPEWORK TO BE ABANDONED

FOUL WATER:

FOUL WATER DRAIN

PRIVATE MANHOLE 1050B+
INSPECTION CHAMBER 4500/6000 (1.2M MAX DEPTH)
SHALLOW ACCESS CHAMBER (SA) 2250
FOUL CONNECTIONS:
SVP = SOIL VENT PIPE
DP = DROP POINT
BIG = BACK INLET GULLY
FS = FLOOR SOCKET
SS = STUB STACK
FA = FROM ABOVE
RE = RODDING EYE

FOUL FLOOR GULLY FOR PLANT ROOMS OR STORES ONLY - REFER TO ARCHITECT'S DETAILS FOR SHOWER ROOM GULLY (TRAPPED AND RODDABLE)

SURFACE WATER:

SURFACE WATER DRAIN
PERFORATED PIPE LAID WITHIN SUB-BASE MATERIAL
DRAINAGE CHANNEL

PRIVATE MANHOLE 1050B+
INSPECTION CHAMBER 4500/6000 (1.2M MAX DEPTH)
CP = CATCHPIT MANHOLE
FC = FLOW CONTROL

SHALLOW ACCESS CHAMBER (SA) 2250
RAINWATER DOWNPIPE
YD GULLY (TRAPPED AND RODDABLE)

CELLULAR STORAGE STRUCTURE/SOAKAWAY
PERMEABLE SURFACING

NOTES

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ENGINEERS, ARCHITECTS AND SPECIALISTS DRAWINGS AND THE SPECIFICATION.
- DO NOT SCALE FROM THIS DRAWING MANUALLY OR ELECTRONICALLY. WRITTEN PERMISSION MUST BE OBTAINED FROM MLM PRIOR TO SCALING ELECTRONICALLY OR USING THIS ELECTRONIC FILE.
- ARCHITECTURAL LAYOUT BASED ON DRAWING 170025-PIA-P4-06-05-A-06-100 "GA GROUND FLOOR PLAN" BY PTAL DATED 09.01.2018
- M&E LAYOUT BASED ON DRAWING 5859-BSE-P4-XX-DR-1201 "PH SANITARY AND RAINWATERS MODEL". REVISION P4 BY B&S&D DATED 19.03.2018
- LANDSCAPING LAYOUT IN ABEYANCE SUBJECT TO RECIPIENT OF DRAWINGS
- STRUCTURAL LAYOUT BASED ON MLM DRAWINGS

CONSTRUCTION (DESIGN AND MANAGEMENT) REGULATIONS 2015

DESIGNERS HAZARD INFORMATION FOR CONSTRUCTION

IF YOU DO NOT FULLY UNDERSTAND THE RISKS INVOLVED DURING THE CONSTRUCTION OF THE ITEMS INDICATED ON THIS DRAWING ASK YOUR MANAGER, HEALTH & SAFETY ADVISOR OR A MEMBER OF THE DESIGN TEAM BEFORE PROCEEDING.

- SERVICES TO BE LOCATED
- MANUAL LIFTING/ HANDLING
- HOT MATERIAL WORKING
- CUTTING/ DUST
- LIVE SEWER FLOWS/ LEPTOSPIROSIS
- DEEP EXCAVATIONS, COLLAPSE/ FALLING
- LIVE TRAFFIC FLOWS
- WEIGHT OF EXTERNAL RECESSED COVERS

ALL WORKS TO BE CARRIED OUT BY SUITABLY TRAINED OPERATIVES PROVIDED WITH CORRECT PPE.

THE ABOVE NOTES REFER SPECIFICALLY TO THE INFORMATION SHOWN ON THIS DRAWING. REFER TO THE HEALTH AND SAFETY PLAN FOR FURTHER INFORMATION.

REV	DATE	REVISION	CC	CHK	APP
C08	04.12.2018	PHASE 2 DRAINAGE UPDATED - PERMEABLE AREAS AMENDED ALONG WITH NOTE; SUB-BASE DRAINAGE ADDED	CC	JL	JL
C07	15.11.2018	AMENDED C1.0 POSITION TO INSIDE PHASE 1 AS PER NEILCOTT REQUEST; REMOVED C/L FROM GA TO AVOID DUPLICATION	CC	JL	JL
C06	19.07.2018	FURTHER UPDATES BASED ON EMP TEAM COMMENTS.	RAC	CC	CR
C05	12.04.2018	UPDATED BASED ON EMP TEAM COMMENTS - OUTFALL LOCATION CHAMBER MOVED, F3.2 TO F1.4 MOVED OUTSIDE OF PHASE HOARDING LINE; FG ADDED; RODDING EYE REMOVED FROM ENTRANCE; SUB-BASE DRAIN LINE AMENDED; ADDED COM BOX	CC	CB	CB
C04	06.04.2018	DROP POINT CO-ORDINATION CHECK ISSUE; CHANNEL DRAIN RE-ADDED; FOUL GULLY IN COURTYARD ADDED; MANHOLES AMENDED TO AVOID STEPS AND LANDSCAPING; F3.2 OMITTED	CC	AP	AP
C03	20.03.2018	DROP POINTS AMENDED IN LINE WITH UPDATED M&E LAYOUT	CC	DOC	DOC
C02	13.03.2018	DROP POINT LOCATION UPDATES; SPINER TANK POSITION CONFIRMED - NOTE ADDED REGARDING DISCHARGE	CC	BF	BF
C01	28.02.2018	FOR CONSTRUCTION	CC	CB	CR
A01	05.02.2018	ISSUED FOR APPROVAL	CC	DOC	DOC

CONSTRUCTION

SUITABILITY DESCRIPTION

CLIENT

NEILCOTT CONSTRUCTION LTD

PROJECT

CENTRAL SOMERS TOWN - PLOT 4

DRAWING TITLE

BELOW GROUND DRAINAGE LAYOUT

CLIENT

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SCALE 1:100 @A0

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NOTES:

- STRATEGY FOR PIPES CROSSING FOUNDATIONS: ALL PIPES TO BE LAID BELOW GROUND BEAMS WHERE POSSIBLE - ENGINEER TO BE INFORMED OTHERWISE. DOUBLE ROCKER PIPES REQUIRED EITHER SIDE OF DRAINS CAST THROUGH FOUNDATIONS.
- EXTENT OF ALL OTHER PERMEABLE AREAS SUBJECT TO REVIEW BY LANDSCAPE ARCHITECT - ALLOWANCE TO BE MADE FOR ALL HARD STANDING AREAS TO BE PERMEABLE AS PER PLANNING CONDITIONS (MIN 250mm SUB-BASE) WITH SEPARATE DRAINAGE SYSTEM OUTFALLING WITH ORIFICE PLATE FLOW CONTROL INTO PHASE 1 NETWORK.
- ALL INTERNAL CHAMBERS SHALL HAVE DOUBLE SEALED, RECESSED, LOCKABLE COVERS WITH STAINLESS STEEL EDGING BY PETER SAVAGE O.S.A. - FACTA AAA LOAD RATING IS ASSUMED TO BE SUITABLE THROUGHOUT INTERNAL SPACES - ARCHITECT TO CONFIRM; CLASS C AND D ARE SPECIFIED FOR ALL OTHER AREAS WHERE APPLICABLE TO ACCEPT LANDSCAPED FINISHES.

OTHER OUTSTANDING INFO:

- LANDSCAPE ARCHITECT LAYOUTS
- ROOT PROTECTION ZONES / TREE AREAS
- PHASING BOUNDARIES