NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL ENGINEERS & ARCHITECTS DRAWINGS.FIGURED DIMENSIONS ONLY (NOT SCALING) TO BE USED. WHERE A CONFLICT OF INFORMATION EXISTS OR IF IN ANY DOUBT - ASK
2. CONSULTANTS TO BE INFORMED IMMEDIATELY OF ANY DISCREPANCIES BEFORE WORK PROCEEDS.

CIVIL LEGEND

- EX. FOUL MANHOLE — Ex.F
- EX. FOUL PIPE — PIPE DESCRIPTION
- NEW FOUL MANHOLE — F
- NEW FOUL PIPE (PRIMARY) — PIPE DESCRIPTION
- DIVERTED IW FOUL SEWER — PIPE DESCRIPTION
- EX. SURFACE WATER MANHOLE — Ex.S
- EX. SURFACE WATER PIPE — PIPE DESCRIPTION
- NEW SURFACE WATER MANHOLE — S
- NEW SURFACE WATER PIPE — PIPE DESCRIPTION
- EX. COMBINED MANHOLE — Ex.C
- EX. COMBINED PIPE — PIPE DESCRIPTION
- NEW COMBINED MANHOLE — C
- NEW COMBINED PIPE — PIPE DESCRIPTION
- NEW RISING MAIN — PIPE DESCRIPTION
- PIPE CROSSOVER
- DECOMMISSIONED LINE — PIPE DESCRIPTION
- FOUL ACCESS JUNCTION — AJ
- SURFACE ACCESS JUNCTION — AJ
- RAINWATER PIPE — RWP
- SOIL VENT PIPE — SVP
- ROAD GULLEY — RG
- BACK INLET GULLEY TRAP — BIGT
- FOUL RODDING EYE — RE
- SURFACE RODDING EYE — RE
- GULLEY TRAP — GT
- BULK WATERMAIN WAYLEAVE

CATCHMENT A
PROPOSED SURFACE WATER STORAGE SYSTEM (STORM-TECH MC-3500) TO STORE FLOWS UP TO 1 IN 100 YEAR RETURN PERIOD EVENT 420m³
IL 115.420
TWL 117.040

CATCHMENT B
PROPOSED SURFACE WATER STORAGE SYSTEM (STORM-TECH SC-740) 8 ROWS OF 4 UNITS PER ROW SIZED TO STORE FLOWS UP TO 1 IN 100 YEAR RETURN PERIOD EVENT PLUS 10% CLIMATE CHANGE TOTAL STORAGE PROVIDED 79.60m³
IL+115.740
TWL+116.800

CATCHMENT C
PROPOSED SURFACE WATER STORAGE SYSTEM (STORM-TECH SC-740) 7 ROWS OF 3 UNITS PER ROW SIZED TO STORE FLOWS UP TO 1 IN 100 YEAR RETURN PERIOD EVENT PLUS 10% CLIMATE CHANGE TOTAL STORAGE PROVIDED 54.40m³
IL+113.755
TWL+114.815

CATCHMENT D
PROPOSED SURFACE WATER STORAGE SYSTEM (STORM-TECH NC-500) 7 ROWS OF 2 UNITS PER ROW SIZED TO STORE FLOWS UP TO 1 IN 100 YEAR RETURN PERIOD EVENT PLUS 10% CLIMATE CHANGE TOTAL STORAGE PROVIDED 38.70m³
IL 112.965
TWL 114.025

SA-1 KLARGESTER INTERCEPTOR NSBP 003

SA-2 MANHOLE CONTAINING FLOW CONTROL DEVICE No. 1 RESTRICTING FLOW TO 2 L/S WITH HYDROBRAKE IL+115.490

SB-1 MANHOLE CONTAINING FLOW CONTROL DEVICE No. 1 RESTRICTING FLOW TO 2.0 L/S WITH HYDROBRAKE IL+115.740

SB-0 KLARGESTER INTERCEPTOR NSBP 003

SC-0 KLARGESTER INTERCEPTOR NSBP 003 CL+115.250 IL+113.713

SC-1 MANHOLE CONTAINING FLOW CONTROL DEVICE No. 1 RESTRICTING FLOW TO 2.0 L/S WITH HYDROBRAKE IL+113.755

S5.2 MANHOLE CONTAINING FLOW CONTROL DEVICE No. 1 RESTRICTING FLOW TO 2.0 L/S WITH HYDROBRAKE IL 113.085

EXISTING ROAD DRAINAGE HERE TO BE DECOMMISSIONED AND GRUBBED UP

EXISTING DRAINAGE DECOMMISSIONED AND GRUBBED

EXISTING DRAINAGE DIVERTED INTO NEW MANHOLE

EXISTING RWP DIVERTED AT HIGH LEVEL DOWN INTO EXISTING DOWNPIPE

PROPOSED CONNECTION TO EXISTING SURFACE WATER NETWORK

PROPOSED CONNECTION TO EXISTING SURFACE WATER NETWORK.

PROPOSED CONNECTION TO EXISTING SURFACE WATER NETWORK

EXISTING SURFACE WATER CULVERT AS SURVEYED

EXISTING 1800Ø CULVERT

FUTURE PROPOSED ESB SUBSTATION AND SPRINKLER ROOM SUBJECT TO PLANNING AMENDMENT APPLICATION

BSLOW SLAB DRAINAGE RUNS CONCRETE ENCASED.

GULLIES REDIRECTED INTO NEW SW LINE

NEW SW MANHOLE BOLT ON. EXISTING LINE, EXISTING LINE PLUGGED AND DECOMMISSIONED ONLY AFTER NEW DRAINAGE IS IN PLACE AND COMMISSIONED

NEW SWMH

BLOCK A — FFL +117.79
BLOCK B — FFL +118.30
BLOCK C — FFL +118.75
BLOCK D — FFL +117.80
BLOCK E — FFL +115.25
BLOCK F — FFL +113.90, EPL +114.90
FFL +118.55
FFL +118.05

SURVEY AREA

PROPOSED SURFACE WATER DRAINAGE LAYOUT

SCALE @ A0: 1:350
SCALE @ A2: 1:700

ISSUE	DATE	DESCRIPTION	BY
P2	20.05.22	PLANNING COMPLIANCE	MR
P1	14.01.22	PRELIMINARY ISSUE	MR

Project Engineer: BRIAN O'NEILL | Project Director: MICHAEL HUGHES

BIM STAGE: **PRELIMINARY**

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CLIENT: **ARDSTONE**

PROJECT TITLE: **CITYWEST**

BIM PROJECT No.: **21.226**

MODEL | REFERENCE | SUITABILITY | REVISION

DRAWING TITLE: **PROPOSED SURFACE WATER DRAINAGE LAYOUT**

DWG | DRAWING REFERENCE: **CW-BMD-00-ZZ-DR-C-1020** | STATUS: **P** | REVISION: **2**