



## STONE CLOSE

### NEW INDIRECT FW CONNECTION

- Form new manhole on line of existing  $\phi 150$  private FW pipe IL TO BE Confirmed.

### NEW DIRECT FW CONNECTION

- Form new  $\phi 150$  connection to the existing public  $\phi 225$  FW pipe IL TO BE Confirmed.

### PETROL INTERCEPTOR

Supplier Conder (or similar approved)  
Spec. CNSB4.5s/21 Class 1 by-pass  
Area drained 2,385m<sup>2</sup>  
Notes silt capacity / kiosk / high level alarm / Single phase power supply / vented.

### SOAKAWAY-2 for 100yr +30%cc

Supplier Aquacell wavin or similar approval  
Area drained 2,385m<sup>2</sup>  
Size L17.5m x W6.0m x H0.8m (64m<sup>3</sup>)  
Water volume 78m<sup>3</sup> (95% Voids.)subject to infiltration rate  
30yr required vol. 39m<sup>3</sup>  
Ground  $\phi$  30.80m  
Top  $\phi$  29.60m  
Base  $\phi$  28.80m  
Infiltration rate assumed 0.50 m/hr ( To be confirmed vai BRE-365 test during the site investigation)

### SIPHONIC ROOF DRAINAGE

- SIPHONIC DOWNPIPE LOCATION TO VENTED MANHOLE SHOWN SUBJECT TO SPECIALISTS DESIGN.

FFL = 31.00

### RETAINING WALL

- L60m, H1.1m(Max.)

### POROUS PAVED PARKING-1 for 100yr+30%cc

- CONTRIBUTING AREA = 500m<sup>2</sup>
- PERMEABLE PAVING AREA (BLOCK/ASPHALT) = 450m<sup>2</sup>
- POROUS SUBBASE AREA = 450m<sup>2</sup>
- SUB BASE STORAGE LAYER (BASE LEVEL 1.85m) = 110mm
- OUTFALL RATE TO PIPE NETWORK  $\phi$  4.0 l/s
- 100 $\phi$  PERFORATED PIPE TO COLLECT RUN OFF FROM PERM PAVING

### WASH DOWN SEPARATOR CONDER

### VALET AND VEHICLE WASH BAYS

- DRAWING BASED ON:
  - Site plan: LHA Architecture, dwg no: 4435-P3-003 Rev. dated: 08/11/17
  - Topographical Survey, Greenhatch group, dwg 26992\_T, dated 11/05/2017.
- EARTHWORK
  - Final levels subject to details design and earthworks analysis to be confirmed by main contractor.
- DRAINAGE
  - Storm analysis for storage calculations are based on FSR method.

### DRAINAGE LEGEND

- SW — New surface water run.
- S101  $\phi 1.20$  — New surface water manhole.
- Existing Public foul water run.
- FW — New foul water run.
- F101  $\phi 1.20$  — New foul water manhole
- PI — Petrol Interceptor.
- Gatic Castslot Drainage channel or similar With Roddable access chamber
- + 31.00 — Proposed level.
- + 30.50 — Existing level.
- Retaining wall
- Site boundary

P2 RM 08.05.18 PRELIMINARY ISSUE  
P1 RM 03.05.18 PRELIMINARY ISSUE

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Client

ORCHARD STREET

Project Title

STONE CLOSE  
WEST DRAYTON

Drawing Title

DRAINAGE STRATEGY

Purpose of Issue

Information ☐ Preliminary ☒ Approval ☐ Tender ☐ Construction ☐ Record Copy ☐

First Issue Date Drawn By Scale Checked

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