DRAINAGE KEY

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SIC CL:46.100 IL:45.265

PRIVATE DRAN AND ACCESS CHAMBER, LEVELS AS SHOWN. 150mm DRAIN UNLESS OTHERWISE STATED 450mm INSPECTION CHAMBER, UNLESS OTHERWISE STATED

ACO RainDrain, B125 GRATING WITH SUMP OUTLET UNIT.

DESIGN INFILTRATION RATE OF 0.5436m/hr AS RECORDED,

REFER TO GROUND INVESTIGATION REPORT. FOOTPRINT TO BE AGREED AT DETAILED DESIGN WITH LANDSCAPING PROPOSALS AND DRAINAGE REQUIREMENTS.

INDICATIVE LOCATION OF RAIN WATER PIPE.

150mm PERFORATED PIPE



 \diamond

FIC

RODDING PROVISION TO BE MADE. INDICATIVE LOCATION OF SVP. RODDING PROVISION TO BE MADE.

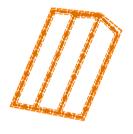
150mm LAND DRAIN

PROPOSED INFILTRATION BASIN.

PRIVATE INSPECTION CHAMBER, 450mm SHAFT DIAMETER, UP TO 1200mm MAX DEPTH AND 100mm DRAIN

PROPOSED BIN REFUSE GULLY

PRIVATE INSPECTION CHAMBER, 300mm SHAFT DIAMETER, 600mm DEEP





PROPOSED FOUL DRAINAGE FIELD 150mm PERFORATED PIPES, IN 600mm WIDE TRENCHES. PIPES LAID AT GRADIENT 1 in 300. REFER TO BUILDING REGULATIONS PART H - SECTION ON DRAINAGE FIELDS. **RECORDED PERCOLATION RATE - 52.5sec/mm** REQUIRED AREA TO BE FORMED BASED ON GROUND PERCOLATION AND IN ACCORDANCE WITH BUILDING REGULATION PART H

PACKAGE TREATMENT WORKS TO PROVIDE PRIMARY TREATMENT TO DOMESTIC WASTE FROM THE DEVELOPMENT. TO BE SUITABLY DESIGNED FOR EXPECTED FLOWS.

CATCHMENT KEY



PROPOSED GREEN ROOF AREA - 1,530m²

PROPOSED EXTERNAL AREA - 1,577m²

PROPOSED INFILTRATION BASIN 3100m² IMPERMEABLE AREA 1500m² OF GREEN ROOF TOP OF BASIN LEVEL - 162.00 BASE OF BASIN LEVEL - 160.00 SIDE SLOPES AT 1 IN 3 GRADIENT MAXIMUM WATER LEVEL AT 100 YR CONSTRUCTION TO ENSURE POND IS EXCAVATED INTO THE CHALK SUB-GRADE. STORM + 40% - 161.439 TOTAL VOLUME ~46m³

> INDICATIVE INFILTRATION BASIN ARRANGEMENT. FOOTPRINT TO BE AGREED WITH ARCHITECT SUBJECT TO LANDSCAPE

4

×

HEADWALL

/CL:162.50

/ IL:160.50

SCP1 CATCHPIT

62.125

162.00

FIC14 CL:163.40 IL:160.75

CL:162.95 12:160.45

Ø1200mm

162.00

HEADWALL 1 CL:162.00 IL:160.35

+160.00 ×

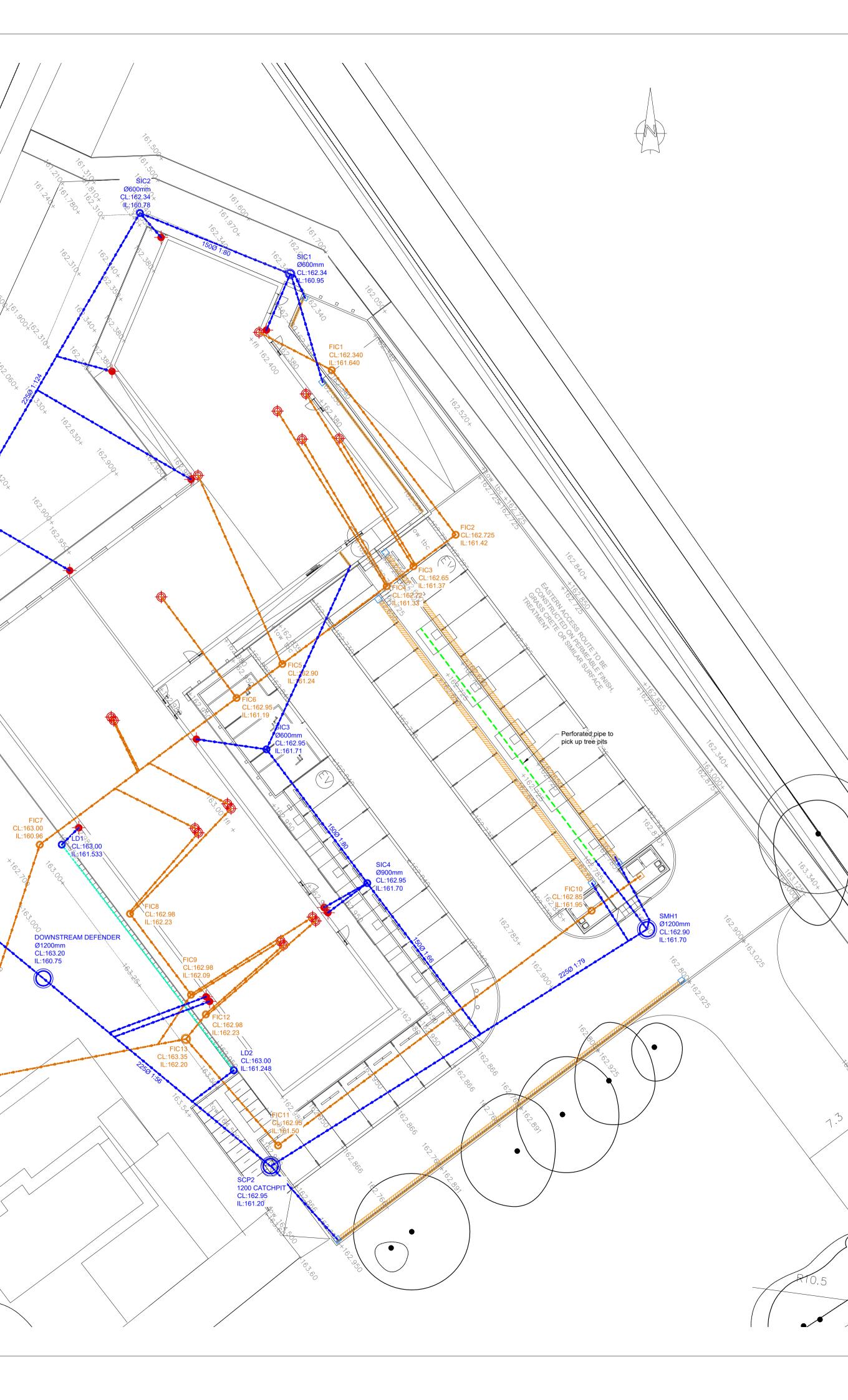
DESIGN

DRAINAGE FIELD TOTAL AREA OF 100m². 150mm PERFORATED PIPES, IN 600mm WIDE TRENCHES. PIPES LAID AT GRADIENT 1 in 300. REFER TO BUILDING REGULATIONS PART H - SECTION ON DRAINAGE FIELDS. ESTIMATED PERCOLATION RATE -55.2sec/mm

REQUIRED AREA 100m² SERVING: 14 WCs

1 KITCHENS 2 SHOWERS TOTAL USE ESTIMATED AT 1.0m³ PER DAY

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