LEGEND

- SITE BOUNDARY
- EXISTING DRAINAGE FOUL WATER SEWER (SOUTHERN WATER)
- FOUL WATER MANHOLE (SOUTHERN WATER)

PROPOSED DRAINAGE:

- SURFACE WATER DRAIN/SEWER
- FOUL WATER DRAIN/SEWER
- FOUL WATER SEWER TO BE ADOPTED BY SOUTHERN WATER
- SW & FW MANHOLE (SFA TYPES 1A, 1B AND 2)
- SW & FW MANHOLE CHAMBER (SFA INSPECTION CHAMBER TYPES 3 AND 4, RIGID CONSTRUCTION)
- SW & FW MANHOLE CHAMBER (SFA INSPECTION CHAMBER TYPES 3 AND 4, FLEXI MATERIAL CONSTRUCTION)
- RE RODDING EYE

F1.04
CL14.690
BD13.850(b)
IL13.220(a,x)
(x) (a) (b)

MANHOLE REFERENCING
BD = BACKDROP CONNECTION
x = OUTLET LEVEL
a, b, ETC. = INLET LEVEL

- ROAD GULLY
- FG FLOOR GULLY
- THRESHOLD DRAINAGE CHANNEL
- LINEAR DRAINAGE CHANNEL
- RWP RAIN WATER PIPE
- SP SLAB PENETRATION (FOR FOUL)
- CELLULAR STORAGE ATTENUATION
- PERMEABLE PAVING
- DIFFUSER BOX TO DRAIN PERMEABLE PAVING

MANHOLE REFERENCES MARKED WITH "*" HAVE BEEN CONSTRUCTED BASED ON PROVIDED INFORMATION FROM THE CONTRACTOR ON 14.04.2020

N

tarmac footpath
speed reduction humps
MH 13.56 (BT)
MH 13.96
SC
grass embankment
MH 13.47 (sv)
Roundstone Lane (B2225)
footpath
MH 13.09
Wall
grass embankment
electronic gates
TP (cable to ground)
barbed wire fence
barbed wire fence
closeboard fence Ht=16.33
RI 22.37

ALL PERMEABLE PAVING VOIDED SUBBASE LAYER TO BE SLOPED TO DIFFUSER BOXES NO FLATTER THAN 1:200 WITH THE TOP OF THE SINGLE DIFFUSER BOX SET FLUSH WITH THE VOID SUBBASE FORMATION LAYER. DIFFUSER BOX INSTALLED AS PER CELLULAR STORAGE SOAKAWAY WITH THE EXCEPTION THE MEMBRANE ON THE BOTTOM AND SIDE IS IMPERMEABLE, AND TOP MEMBRANE IS PERMEABLE

SOAKAWAY - REF. CS4
TYPE - CELLULAR CRATES
AREA x DEPTH = 3m² x 1.6m
APPROX. GROUND LEVEL = 14.688
TOP LEVEL = 12.870
BASE LEVEL = 11.270
COVER = 1.82m
IL = 11.870
INFILTRATION RATE = 16.16m³/hour

PERMEABLE PAVING
-VOIDED SUBBASE DEPTH 0.3m
-FORMATION LEVEL APPROX. 0.5m FROM FINISHED LEVELS

MANHOLE TO SERVE CONSTRUCTION TEMPORARY WORKS AND FACILITIES

F1.50
CL14.186
IL12.750

S4.03
CATCHPIT
CL14.639
IL12.450(a)
IL13.080(b)
IL11.970(x)
SUMP11.370

150mm/1:79

S4.01*
CL13.547
IL12.700

150mm/1:10

150mm/1:149

S4.02**
CL14.200
IL12.600

F1.09
CL13.400
IL11.720

150mm/1:81

F1.08*
CL13.815
IL12.150

150mm/1:139

F1.10
CL13.020
IL11.420

150mm/1:33

CHANNEL GULLY LOCATED AT BACK OF HIGHWAY BOUNDARY

DEMARCATION CHAMBER

PROPOSED ROUTE TO CONNECTION WITH THE PUBLIC SEWER SHOWN IN DRAWING PP-ISS-XX-XX-DR-C-3010

150mm/1:48

F1.07*
CL14.553
IL12.330

S1.08
CATCHPIT
CL14.925
IL13.080(b)
IL11.870(a,x)
SUMP11.270

SOAKAWAY - REF. CS1
TYPE - CELLULAR CRATES
AREA x DEPTH = 24m² x 1.2m
APPROX. GROUND LEVEL = 14.867
TOP LEVEL = 12.420
BASE LEVEL = 11.220
COVER = 2.45m
IL = 11.820
INFILTRATION RATE = 16.16m³/hour

225mm

225mm/1:88

225mm/1:52

S1.22*
CATCHPIT
CL14.730
IL13.180(b)
IL11.870(a,x)
SUMP11.270

225mm/1:122

150mm

150mm/1:137

S1.21*
CL14.450
IL11.970

225mm/1:150

F1.31*
CL14.887
IL12.430

RODDING EYE. IL14.100 RE

BIN STORE TO BE SLOPED AT NO FLATTER THAN 1:100 TOWARDS FLOOR GULLY

FG
BIN STORE

F1.06
CL14.70
IL12.89

CONTINUED ON DRG PP-ISS-XX-XX-DR-C-3012

CONTINUED ON DRG PP-ISS-XX-XX-DR-C-3012

NOTES:

1. ALL WORK TO BE CARRIED OUT TO THE LATEST EDITION OF "SEWERS FOR ADOPTION" (SFA), AND ANY AREAS NOT COVERED BY SFA, "APPROVED DOCUMENT H - DRAINAGE AND WASTE DISPOSAL" IS TO BE APPLIED. ANY DRAINAGE TO BE ADOPTED IS TO BE FIRST AND FOREMOST COMPLIANT WITH THE ADOPTING AUTHORITIES SFA ADDENDUM THEN THE LATEST VERSION OF SFA.
2. SITE PLAN AND GROUND FLOOR PLAN PROVIDED BY BUCKLE CHAMBERLAIN PARTNERSHIP LTD. SITE PLAN TAKEN FROM DRAWING REF 1388/001, REVISION W, DATED 28.01.20. GROUND FLOOR PLAN PROVIDED BY 15.01.20, DIGITAL FILE NAME GROUND FLOOR X-R2-REF_GE.
3. LANDSCAPING PLAN PROVIDED BY GROUND CONTROL, DRAWING REF J180649-GL-L-DR-5-100, REVISION A, DATED 16.01.20.
4. TOPOGRAPHICAL SURVEY PROVIDED BY J TAYLOR SITE SURVEYING LTD, DRAWING REF. POUND PLACE, DATED DEC. 19.
5. M&E CONSULTANT, METHOD LLP, ADVISED BATHROOM ENSUITES TO HAVE SINGLE CONNECTIONS, AWAITING REVISED DRAWINGS.
6. REFER TO DRAWING PP-IS-XX-XX-DR-C-3004 FOR FULL DRAINAGE NOTES AND DRAWING PP-IS-XX-XX-DR-C-3201 FOR DRAINAGE DETAILS.
7. FOUL WATER CONNECTION TO PUBLIC NETWORK GRANTED APPROVAL BY SOUTHERN WATER ON 23.01.2020, REFERENCE DS_CPS-114430..
8. FOUL DRAINAGE TO BE ADOPTED REQUIRES APPROVAL BY SOUTHERN WATER UNDER A S104 AGREEMENT.
9. SURFACE WATER DESIGN BASED ON INFILTRATION RATES TAKEN FROM FLOOD RISK ASSESSMENT REPORT SUBMITTED AS PART OF THE PLANNING SUBMISSION FOR THIS SITE.
10. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY PERMITS TO COMPLETE WORKS WITHIN PUBLIC HIGHWAY.

BUILDING FINISHED FLOOR LEVEL RAISED FROM 14.800 TO 15.200. DRAINAGE AMENDED TO SUIT. ALL COVER LEVELS AMENDED TO SUIT REVISED GROUND LEVEL DESIGN.

1. DRAINAGE CHANNEL LOCATION UPDATED TO SUIT EXTENT OF HIGHWAY BOUNDARY
2. COACH HOUSE REMOVED AND PERMEABLE PAVING EXTENT AMENDED TO SUIT.
3. SOAKAWAY SIZE AND LOCATION UPDATE TO SUIT REVISED LAYOUT AND DRAINED AREA
4. BUILDING SHIFTED EAST & SITE LAYOUT UPDATED. BIN STORE SIZE AND LOCATION AMENDED AND PERMEABLE PAVING ADDED TO EXTERNAL AREA.

REV	DATE	DRAWN/CHK	REVISION INFO
C04	15.06.20	TT/PL	CHANGES IN DRAINAGE DESIGN SUBMISSIONS BUBBLED AS REQUESTED BY THE LLFA
C03	21.04.20	HB/PL	GROUND LEVELS RAISED, DRAINAGE AMENDED TO SUIT, SOAKAWAYS AMENDED TO SUIT LLFA
C02	21.02.20	PL/PL	AMENDED TO SUIT LANDSCAPE ARCHITECT LAYOUT MINOR AMENDEMENTS TO SOAKAWAYS
C01	24.01.20	PL/PL	CONSTRUCTION ISSUE

STATUS: FOR CONSTRUCTION

CLIENT: SAVISTA DESIGN AND BUILD

PROJECT: POUND PLACE
ROUNDSTONE ROAD
ANGMERING

DRAWING TITLE: PROPOSED DRAINAGE LAYOUT
64 BED
SHEET 1

JOB NUMBER:	SCALE AT A1:	REV. STATUS:
SE1612	1:100	S4

DRAWING NUMBER: PP-ISS-XX-XX-DR-C-3011 REVISION: C04

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ARUN DISTRICT COUNCIL 24/2020/DCC