LEGEND

- S38 BOUNDARY
- – EXISTING MANHOLE
- – EXISTING GULLY
- – EXISTING SURFACE WATER SEWER
- – DENOTES EXISTING DRAINAGE DITCH
- – DENOTES EXISTING DRAINAGE DITCH TO BE REMOVED
- – DENOTES PROPOSED LAND DRAIN/DITCH
- – DENOTES PROPOSED HIGHWAY SURFACE WATER
- 150ø @ 1:225 – DENOTES BELOW GROUND HIGHWAY WATER DRAINAGE
- S1 – DENOTES PROPOSED SURFACE WATER MANHOLE
- 150ø @ 1:225 – DENOTES BELOW GROUND SURFACE WATER DRAINAGE
- – DENOTES EXISTING SURFACE WATER MANHOLE
- G – DENOTES EXISTING GULLY CONNECTED TO SURFACE WATER SYSTEM
- G – DENOTES PROPOSED GULLY CONNECTED TO SURFACE WATER SYSTEM AS PER HCC11/D/015
- – DENOTES PROPOSED FOUL WATER DRAINAGE DESIGNED BY OTHERS
- – DENOTES PROPOSED RISING MAIN DESIGNED BY OTHERS
- – DENOTES PROPOSED ATTENUATION BASIN TO BE DESIGNED BY OTHERS. LOCATION TBC
- – DENOTES ROAD SWALE

SUDS FEATURE E REF TO DRAWING G277/26

SUDS FEATURE E REFER TO DRAWING G277/26

INLET HEADWALL E2 REFER TO DRAWING G277/30

Outlet Headwall IL 13.20

PFA6 CL: 16.00 IL: 14.90

PFA5 CL: 17.451 IL: 16.456

OUTFALL HEADWALL REFER TO PFA G277/27

Downstream Defender Unit Ref; D03_1.2M_3000N

ET HEADWALL FER TO PFA 77/27

RS

IL: 16.456

300ø @ 1:172 1.001 Net7 Area:0.00ha

150ø 1:29 16.50m 1.001

IL15.30

6750 @ 1:264 1.002 Net8 Area:0.014ha

IL15.385

S40 CL17.860 IL15.385

6750 @ 1:623 1.005 Net8 Area:0.041ha

300ø 1/171

30.780m 7.001

IL15.835

2250 @ 1:150 4.002 Net8 Area:0.037ha

S39 CL17.810 IL15.973

F43 CL: 17.869 IL: 16.169

F14 CL: 18.10 IL: 15.985

S36 CL18.328 IL16.432

26.527m 7.002

F45 CL: 18.35 IL: 16.334

6750 @ 1:616 1.005 Net8 Area:0.049ha

27.852m 7.003

S35 CL18.670 IL15.494

6750 @ 1:625 1.004 Net8

300ø 1/171

F46 CL: 18.643 IL: 15.671

ST19 CL18.37 IL17.32

150Ø @1:143 TEMPORARY LAND DRA Qmed=11.38l/s CAP 14.7l/s

FOXHOLES FARM STREAM

S38 CL17.919 IL16.135

4.001

F42 CL: 17.906 IL: 16.306

23.455m 7.000

S29 CL18.441 IL16.626

2250 @ 1:32 1.001 Net7 Area:0.015ha

IL16.701

2250 @ 1:150 2.000 Net7 Area:0.028ha

IL16.826

S27 CL18.251 IL16.826

3.000 @ 1:150 Net7 Area:0.014ha

S28 CL17.969 IL16.823

S37 CL17.562 IL16.278

2250 @ 1:150 4.000 Net8 Area:0.076ha

TEMPORARY LAND DRAIN. 150Ø @ 1:143 Qmed=11.38l/s CAP20.5 l/s

ST20 CL17.20 IL16.15

IL15.735 1500 @ 1:37

SIC1 CL16.3 IL15.75

ST18 CL16.47 IL15.803

225Ø @ 1:225 CAP 34.5L/SQ100+cc=18.13l/s

HEADWALL H8 CONCRETE BAGWORK TYPE 3

HEADWALL H7 CONCRETE BAGWORK TYPE 3

D DRAIN @ 1:22 .13l/s

FOR CONTINUATION SEE DRAWING 10413-SEG3-358

FOR CONTINUATION SEE DRAWING 10413-SEG3-360

DESIGN PENDING APPROVAL UNDER S104/S38

NOTES

1 THIS DRAWING IS COPYRIGHT.

2 THE CONTRACTOR AND HIS SUBCONTRACTOR ARE TO VERIFY ALL DIMENSIONS ON SITE PRIOR TO MAKING SHOP DRAWINGS OR COMMENCING MANUFACTURE.

3 DO NOT SCALE THIS DRAWING. THE CONTRACTOR IS TO BRING TO THE NOTICE OF THE ENGINEER ANY DISCREPANCIES CONTAINED IN THIS DRAWING PRIOR TO WORK COMMENCEMENT.

4 ALL 150mm AND 225mm DIAMETER PIPES TO BE EXTRA STRENGTH VITRIFIED CLAY PIPES (SEE NOTE 15).

5 ALL PIPES OF 300mm DIAMETER OR GREATER TO BE CLASS M CONCRETE.

6 ALL PIPE MATERIALS TO BE CONSISTENT BETWEEN MANHOLES.

7 ALL WORK IS TO BE CARRIED OUT IN ACCORDANCE WITH DESIGN AND CONSTRUCTION GUIDANCE(DCG)/SEWER FOR ADOPTION 7TH, HAMPSHIRE COUNTY COUNCIL STANDARDS (FOR HIGHWAY DRAINAGE ONLY) AND THE SPECIFICATION FOR HIGHWAY WORKS 1998 AND ALL SUBSEQUENT AMENDMENTS. WHERE THERE IS CONFLICT BETWEEN THESE DOCUMENTS THE MATTER SHALL BE REFERRED TO THE ENGINEER.

8 FOR CONSTRUCTION DETAILS OF MANHOLES AND SEWERS REFER TO DESIGN AND CONSTRUCTION GUIDANCE/SEWERS FOR ADOPTION 7TH, HCC STANDARD DETAILS(FOR SEWERS ADOPTED BY HCC HIGHWAYS) AND UNDERTAKERS STANDARD DETAILS WHICH CAN BE OBTAINED FROM THE LOCAL OFFICE FOR SEWERS ADOPTED BY SOUTHERN WATER

9 INVERT LEVELS OF EXISTING SEWERS TO BE CONFIRMED ON SITE BEFORE ANY SEWER WORK UNDERTAKEN. ANY DISCREPANCIES FOUND SHOULD BE NOTIFIED TO ENGINEERS.

10 WHERE SEWERS HAVE LESS THAN 1.2m OF COVER UNDER ROADS AND 0.9m COVER ELSEWHERE PIPES ARE TO HAVE A 150mm CONCRETE BED AND SURROUND.

11 PLASTIC CHAMBERS AND RINGS SHALL COMPLY WITH BS EN 13598-1 AND BS EN 13598-2 OR HAVE EQUIVALENT INDEPENDENT APPROVAL, TO TABLE 11 OF APPROVED DOCUMENT H1 OF THE BUILDING REGULATIONS 2010.

12 ALL BELOW GROUND DRAINAGE TO BE 150mmø UNLESS OTHERWISE INDICATED WITH A MIN. GRADIENT AS FOLLOWS:-

S.W : 150mm Dia. 1:150

13 ALL ADOPTABLE DRAINAGE MATERIALS SHOULD COMPLY WITH THE REQUIREMENTS OF PART E CIVIL ENGINEERING SPECIFICATION INCLUDED WITH CGD/SEWERS FOR ADOPTION 7TH EDITION WHICH IS DRAWN FROM CESWI 7TH EDITION BUT IS NOT A FULL REPRODUCTION AND OR HAMPSHIRE COUNTY COUNCIL REQUIREMENTS.

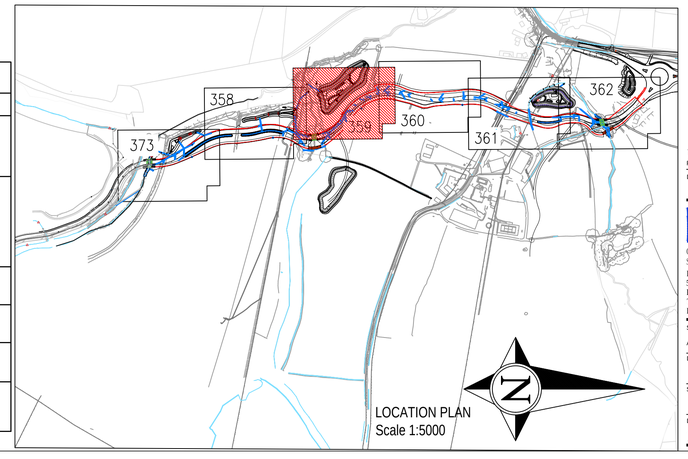
14 JETTING OF NEW DRAINAGE RUNS MUST BE CARRIED OUT AT END OF CONTRACT, IN ORDER TO ENSURE ALL NEW PIPE-WORK IS FREE OF DEBRIS AND FREE RUNNING

HEALTH & SAFETY:

ALL WORKS TO BE CARRIED OUT BY A CONTRACTOR COMPETENT TO UNDERTAKE THE CONSTRUCTION OF WORKS AS INDICATED ON THIS DRAWING. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE JOB SPECIFIC RISK ASSESSMENT. THE HAZARDS NOTED ARE IN ADDITION TO THE NORMAL HAZARDS AND RISKS FACED BY A COMPETENT CONTRACTOR WHEN DEALING WITH THE TYPE OF WORKS DETAILED ON THIS DRAWING.

RISK SCHEDULE

ITEM	DESCRIPTION OF RISK OF ACTION
⚠	SPECIFIC HEALTH AND SAFETY RISKS ASSOCIATED WITH THESE WORKS ARE HIGHLIGHTED WITH THE CAUTION SYMBOL ADJACENT TO THE ITEM OF RISK. PLEASE REFER TO RISK SCHEDULE CONTAINED ON INDIVIDUAL DRAWINGS.
	UNLESS HIGHLIGHTED THERE ARE NO SPECIFIC HEALTH AND SAFETY RISKS ASSOCIATED WITH THESE WORKS, AS A DIRECT RESULT OF OUR DESIGN, APART FROM THE COMMON ISSUES ASSOCIATED WITH CONSTRUCTION THAT WILL NEED TO BE ASSESSED BY A COMPETENT CONTRACTOR PRIOR TO THE UNDERTAKING OF ANY WORKS.
⚠	THE CONTRACTOR SHOULD BE AWARE OF DEEP EXCAVATIONS FOR SEWERS
⚠	THE CONTRACTOR SHOULD BE AWARE OF THE EXISTING HV CABLED
⚠	THE CONTRACTOR SHOULD BE AWARE OF THE EXISTING HIGHWAYS ADJACENT TO THE SITE.
⚠	THE CONTRACTOR SHOULD BE AWARE OF EXISTING SERVICES REMAIN LIVE DURING CONSTRUCTION



LOCATION PLAN
Scale 1:5000

Rev.	Description	Date	Initial.
T1	TENDER ISSUE. S38 COMMENTS	06/10/22	PN

Drawing Status: TENDER

REUBY & STAGG LTD.
CONSULTING CIVIL & STRUCTURAL ENGINEERS
Dewey House
55 High Street, Ringwood
Hampshire BH24 1AE
T: 01425 484400 F: 01425 484409
Email: admin@reuby-stagg.co.uk

ONE HORTON HEATH

Eastleigh Borough Council
Eastleigh House
Upper Market Street
Eastleigh
SO50 9YN
www.eastleigh.gov.uk

Site:	ONE HORTON HEATH
Address:	SEGMENT 3
Drg Title:	DRAINAGE LAYOUT SHEET 3 OF 6 "THE AVENUE NORTHERN SECTION"
Scale:	1:200
Page Size:	A1
Date:	DEC 20
Drawn:	PN
Checked:	MPD
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