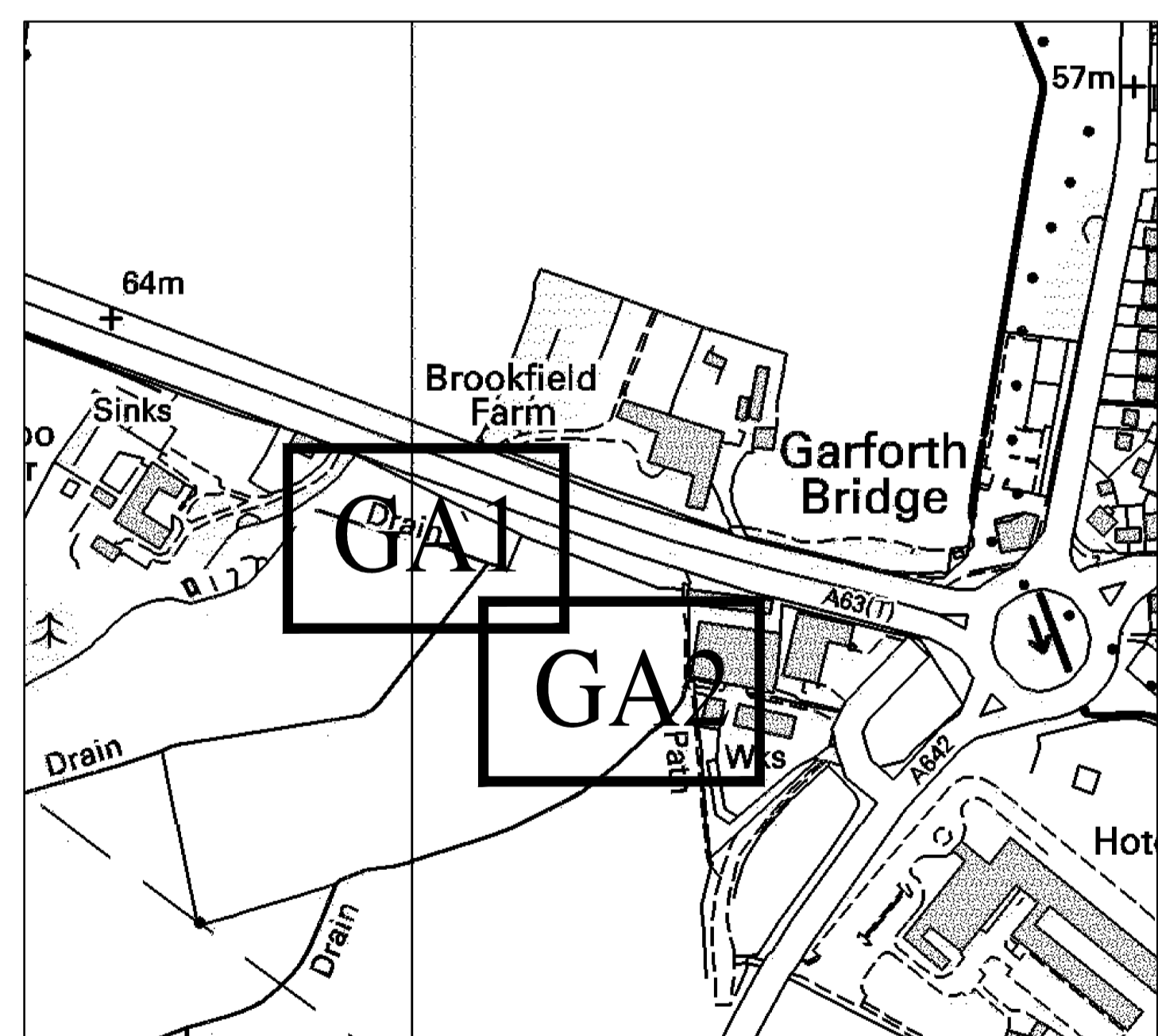


Table 1 - Setting Out Points

Point	Easting (m)	Northing (m)
SOP_1	439135.9982	432355.0240
SOP_2	439138.2172	432352.2287
SOP_3	439141.5972	432353.4710
SOP_4	439136.6343	432362.3260
SOP_5	439140.1956	432361.9877
SOP_6	439143.8642	432361.6392
SOP_7	439136.1635	432366.6895
SOP_8	439140.0924	432366.9719
SOP_9	439144.2203	432367.2686
SOP_10	439135.1165	432376.6400
SOP_11	439139.3755	432376.9462
SOP_12	439144.2487	432377.2964
SOP_13	439136.4133	432380.3562
SOP_14	439140.4346	432378.4656
SOP_15	439140.7161	432383.1833
SOP_16	439143.5515	432381.5984
SOP_17	439140.8898	432383.9854
SOP_18	439144.8954	432402.4815
SOP_19	439148.7424	432420.2451



NOT TO SCALE



Proposed concrete culvert headwall. To incorporate 600 dia PE pipe in backwall @ I.L. of 51.80. Insitu silt trap and galvanised steel screen also to be provided. See Note 6.

Proposed earth bund at headwall. See Note 7.

Existing watercourse channel to be diverted for approx 25m upstream of headwall. New channel to be created and existing channel backfilled with onsite material. See Note 8.

Area of land to be reprofiled. Approx area affected 400m² as shown. See Note 5.

Proposed filter drain with 250 dia perforated PE pipe at base of trench. To outfall at proposed headwall. See Note 4.

Existing manhole on line of 225 dia culvert to be retained.

Existing 225 dia pipe to be retained

Public right of way.

Derelict Building

Remove existing foot bridge.

Existing watercourse No.2

Existing 600 dia pipe to be retained

Existing watercourse channel to be backfilled with onsite material.

Proposed 600 dia PE pipe from proposed headwall to existing 600 dia pipe at field boundary.

Proposed manhole on line of proposed 600 dia PE pipe - see note 9

1,2,3
4,5,6

SOP_19

SOP_18

SOP_17

SOP_15

SOP_14

SOP_13

SOP_12

SOP_11

SOP_10

SOP_09

SOP_08

SOP_07

SOP_06

SOP_05

SOP_04

SOP_03

SOP_02

CH 25.00

CH 15.00

CH 10.00

CH 10.00

CH 0.00

SOP_01

SOP_02

SOP_03

SOP_04

SOP_05

SOP_06

SOP_07

SOP_08

SOP_09

SOP_10

SOP_11

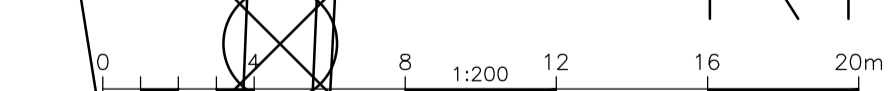
SOP_12

SOP_13

SOP_14

SOP_15

SOP_16



NOTES

- All dimensions are in millimetres unless otherwise stated.
- All levels are in metres above ordnance datum.
- Do not scale from this drawing.
- For details of proposed filter drain which outfall at proposed headwall see drawing 012.
- Area of field to be reprofiled (approx 400m² plan area) to direct all runoff towards proposed filter drain. Max slope of field following reprofiling not to exceed 1 in 20.
- For details of proposed headwall and debris screen see drawing 009. For details of proposed silt trap see drawing 011. For cross sections see drawing 007.
- Proposed bund to have a min 1m wide crest and min crest level of 53.50. Side slopes to have max gradient of 1 in 3.
- Proposed watercourse channel to be trapezoidal in shape with dimensions similar to existing watercourse channel. Typical dims: Bed width 0.5m and max side slopes of 1 in 2. Existing watercourse channel to be backfilled with excavated material.
- Proposed 1500 ID manhole chamber to be provided @ SOP_16 on line of proposed 600 ID pipe. Chamber to be constructed from PCC rings to LCC standard detail SD/05/31d DG1. Chamber depth to be agreed on site to suit pipe depth.

LEGEND

- Approximate extents of proposed field area to be reprofiled to direct runoff towards proposed filter drain (approx 400m²).
- Location of proposed headwall.
- Grid reference: E:439140, N:432378.
- Existing 225 & 600 dia pipes downstream to be retained.
- Proposed 600 dia PE pipe.

SAFETY HEALTH AND ENVIRONMENTAL INFORMATION

IN ADDITION TO THE HAZARDS/RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING SIGNIFICANT RESIDUAL RISKS:-

CONSTRUCTION

- 1 - WORKING IN CLOSE PROXIMITY TO PUBLIC & LANDOWNERS
- 2 - UNDERGROUND (BURIED) SERVICES
- 3 - HAZARDOUS AND INVASIVE PLANT SPECIES REQUIRING CONTROL AND/OR REMOVAL
- 4 - POSSIBLE CONTAMINATED LAND
- 5 - WORKING IN WATERCOURSES
- 6 - SITE AT RISK OF FLOODING

MAINTENANCE/ CLEANING/ OPERATION

- WORKING IN CLOSE PROXIMITY TO PUBLIC & LANDOWNERS
- HAZARDOUS AND INVASIVE PLANT SPECIES REQUIRING CONTROL AND/OR REMOVAL
- POSSIBLE CONTAMINATED LAND
- WORKING IN WATERCOURSES
- SITE AT RISK OF FLOODING

DECOMMISSIONING/ DEMOLITION

- WORKING IN CLOSE PROXIMITY TO PUBLIC & LANDOWNERS
- UNDERGROUND (BURIED) SERVICES
- HAZARDOUS AND INVASIVE PLANT SPECIES REQUIRING CONTROL AND/OR REMOVAL
- POSSIBLE CONTAMINATED LAND
- WORKING IN WATERCOURSES
- SITE AT RISK OF FLOODING

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HAWTHORN TERRACE FLOOD ALLEVIATION SCHEME
GENERAL ARRANGEMENT 2 OF 2

AMENDMENTS	DRAWN	CHECK	DATE	DRAWN BY	SCALE
FIRST APPROVED	CJE			INITIALS DATE CJE 8/15	1:200
				AutoCAD BY	
				INITIALS DATE CJE 8/15	
				CHECKED BY	
				INITIALS DATE	ORIGINAL SHEET SIZE A1



HIGHWAYS AND TRANSPORTATION

FRM/10127/CON/006

INFORMATION

DRAFT

August 2015

STATUS

DATE: