

**Project Title:** Knowle Lane, Cranleigh

**Project No/ Document Reference:** A423 – TN002

**Date:** 28 September 2023

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## Surface Water Off Site Drainage Connectivity

### 1. Purpose of Report

- 1.1. This Report outlines the connectivity of the existing surface water ditch/watercourse network surrounding the proposed development, which serves as a future outfall route for the new surface water discharge.
- 1.2. The narrative below has been produced from a combination of topographical survey data, Lidar data and a site visit.

### 2. Northern Catchment Outfall

- 2.1. The outfall point for the northern catchment is located adjacent to the Cranleigh Football Club playing fields. The ditch in this location is wholly within the applicant's ownership and wholly within the Planning Application red line.
- 2.2. The ditch in question diverts away from the playing fields opposite Snoxhall Community Centre as shown in **Photo 1**.
- 2.3. Flow continues via a culvert beneath the Snoxhall Fields access road/track before heading north in a ditch on the eastern side of the track, see **Photo 2**.
- 2.4. This ditch then heads northeast via a further culvert beneath the car park access and to the rear of the existing sub-station, see **Photos 3 and 4**.
- 2.5. This ditch then opens out before entering a ponded area upstream of a culverted link to the main watercourse running along the southern boundary of Cranleigh Leisure centre. **See Photo 5**.
- 2.6. Drawing **A423-SK-001** indicates these watercourses and connection points.

Photo 1: Looking North



Photo 2: Looking North





Photo 3: Looking North East



Photo 4: Looking East





Photo 5: Looking North East



### 3. Southern Catchment Outfall

- 3.1. The outfall for the Southern catchment is located within a wooded area to the south of the Site and west of the Downs Link cycle route. The ditch at the outfall location is wholly within the applicant's ownership and wholly within the Planning Application red line.
- 3.2. The ditch in question heads east for a short length before turning south. Refer to drawing A423-SK-001 for details.
- 3.3. This ditch continues south towards the main watercourse following the prevailing north to south fall of the land. **See Photo 6.**
- 3.4. The ditch ends at a headwall with the pipe heading in a south easterly direction towards the main watercourse.
- 3.5. Drawing A423-SK-001 indicates these watercourses and connection points.



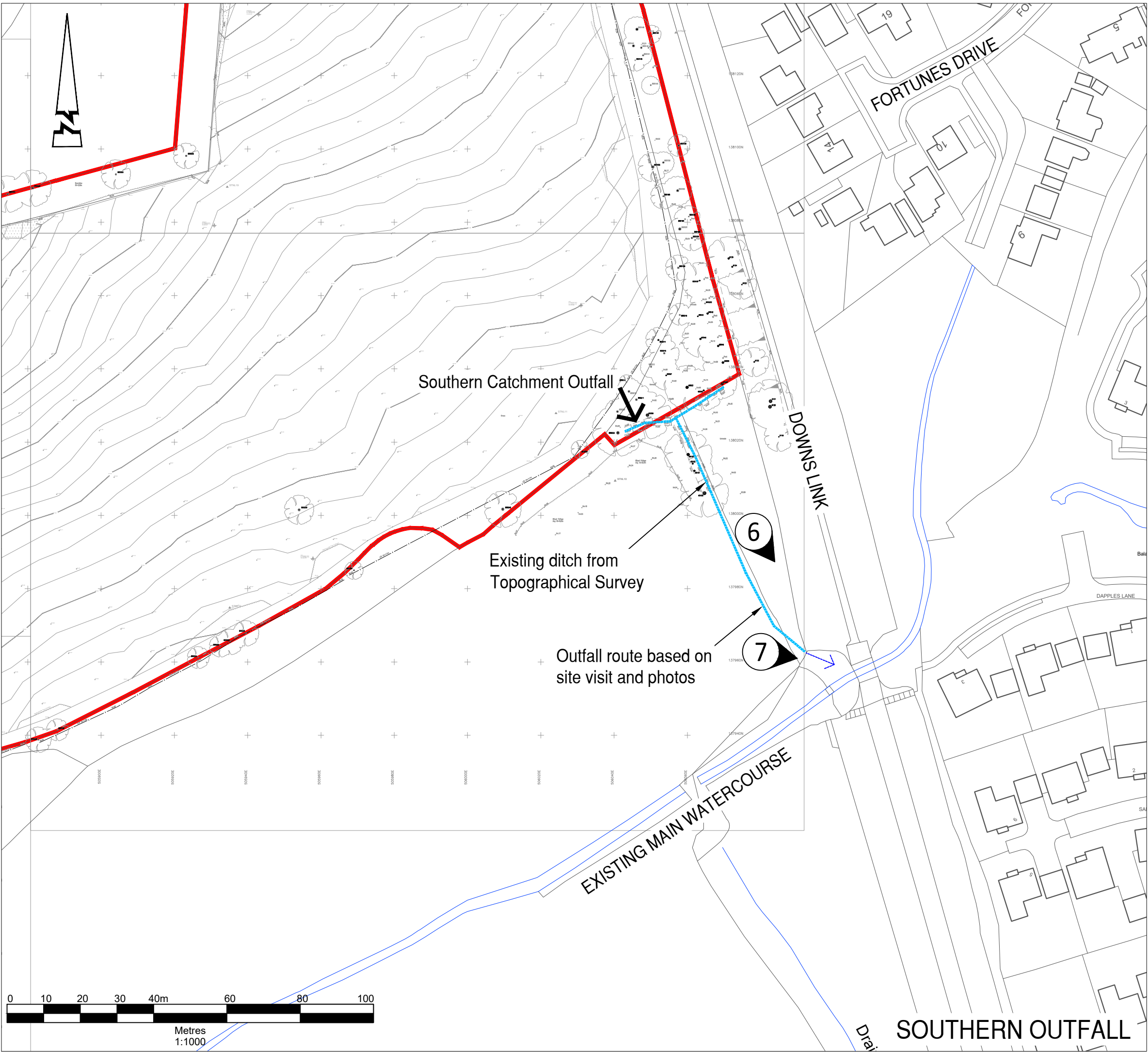
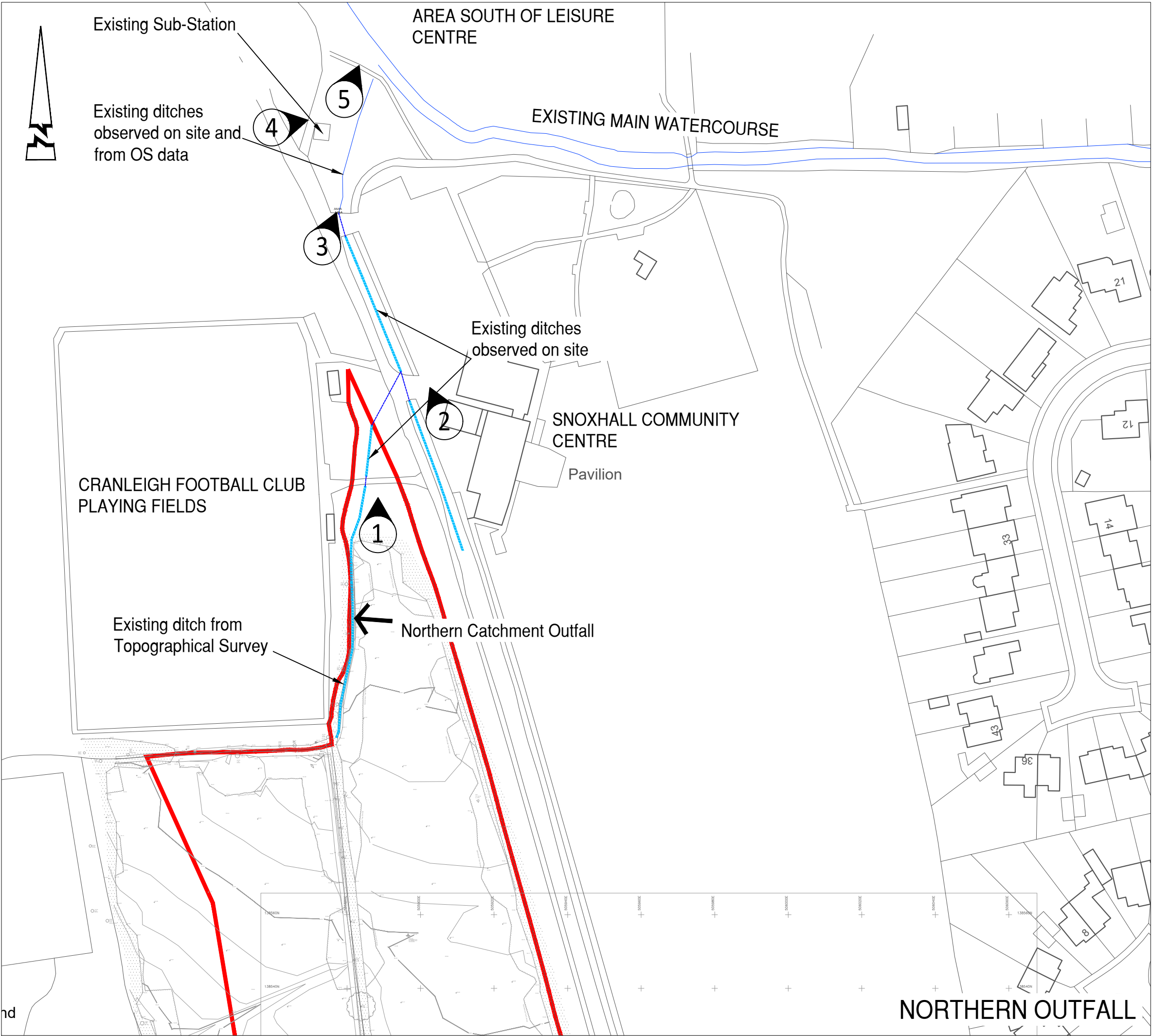
Photo 6: Looking South



Photo 7: Looking South East







KEY:

- Existing watercourse from Ordnance Survey data
- Existing Watercourse/ditch from Topographical survey and site visit observations
- Proposed outfall locations
- Application Boundary
- Photo location and direction

|     |       |             |       |         |
|-----|-------|-------------|-------|---------|
| P1  | 29.23 | FIRST ISSUE | KLW   | LPA     |
| Rev | Date  | Description | Drawn | Checked |

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Project  
**KNOWLE LANE CRANLEIGH**

Title  
**OFF SITE DRAINAGE CONNECTIVITY**

Status

Scale  
1:1000 @ A2

Date  
SEPT 23

Drawn  
KLW

Checked  
LPA

Drawing No  
A423-SK-001

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P1