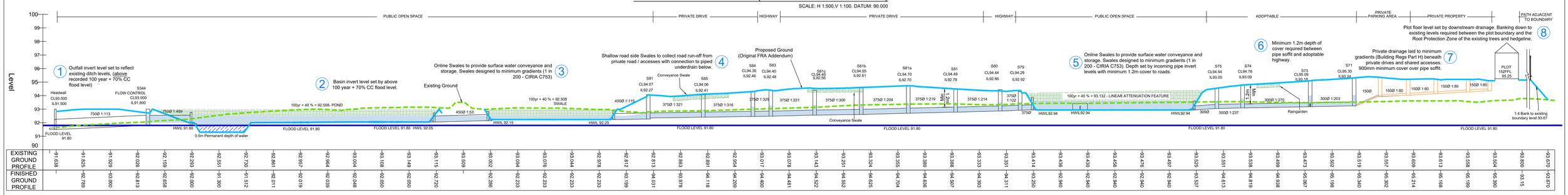
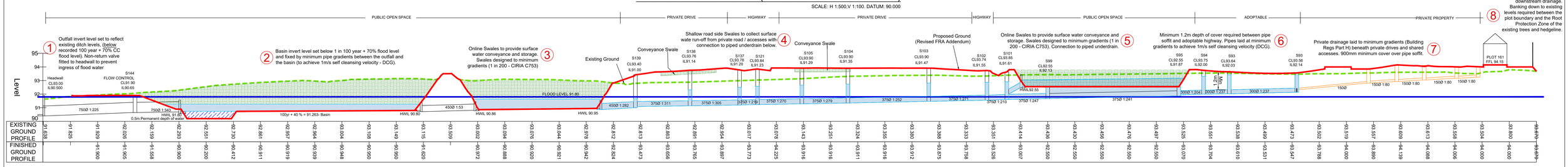
DRAINAGE LONGSECTION (ORIGINAL FRA ADDENDUM)

SCALE: H 1:500,V 1:100. DATUM: 90.000



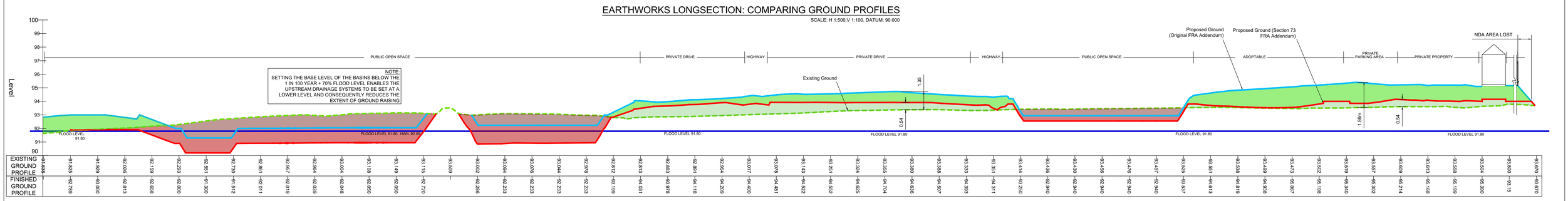
DRAINAGE LONGSECTION (SECTION 73 FRA ADDENDUM)

SCALE: H 1:500,V 1:100. DATUM: 90.000



EARTHWORKS LONGSECTION: COMPARING GROUND PROFILES

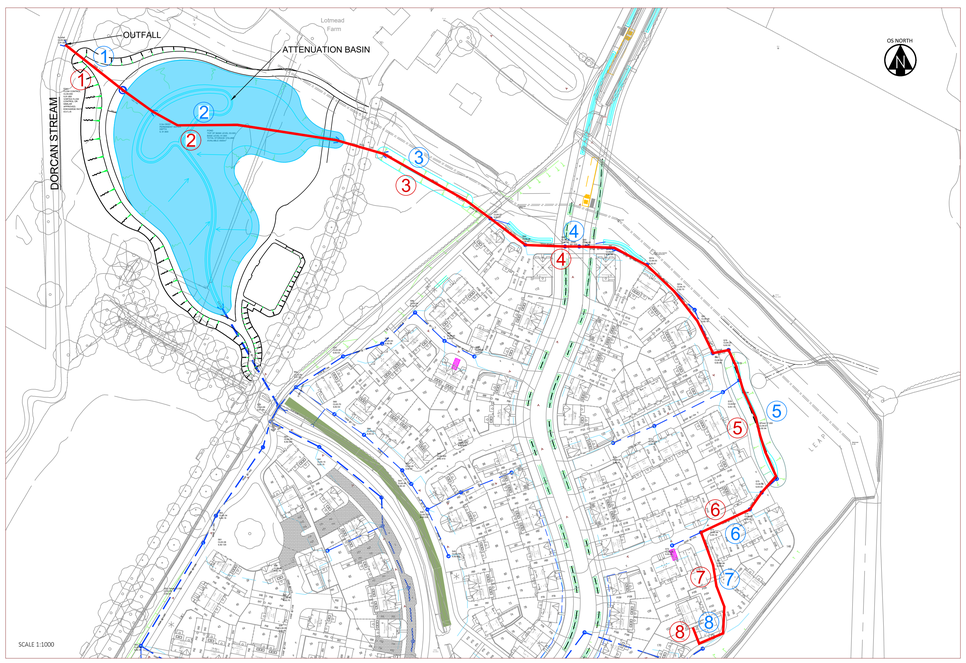
SCALE: H 1:500,V 1:100. DATUM: 90.000



Legend

- Proposed Ground (Original FRA Addendum)
- Proposed Ground (Section 73 FRA Addendum)
- Existing Ground
- Flood Level (1 in 100 Year + 70%CC)
- Fill required to achieve Original FRA Addendum drainage scheme
- Fill required to achieve Section 73 FRA Addendum drainage scheme
- Cut required to achieve Original FRA Addendum drainage scheme
- Cut required to achieve Section 73 FRA Addendum drainage scheme
- Adoptable manhole/ pipes
- Private manhole/ pipes
- Attenuation / water conveyance feature
- 100 + 40% water level in network

KEY PLAN



NOTE:
SETTING THE BASE LEVEL OF THE BASINS BELOW THE 1 IN 100 YEAR + 70% FLOOD LEVEL ENABLES THE UPSTREAM DRAINAGE SYSTEMS TO BE SET AT A LOWER LEVEL AND CONSEQUENTLY REDUCES THE EXTENT OF GROUND RAISING

Design Parameters Considered

- Minimum Pipe gradients have been used to achieve a min velocity in the pipe of 1m/s (DCG).
- Drainage network has been design in accordance with 'Design and Construction Guidance for foul and surface water sewers offered for adoption' version 2.0 (DCG).
- Building Regs Part H - Drainage and waste disposal.
- The Suds Manual CIRIA C753
- Adoptable Highway Drainage
- 1.2m minimum cover over drainage beneath Highways, 0.9m cover beneath private driveways and 0.6m cover in private gardens.

Notes

1. For information only
2. Do not use this drawing for construction purposes.
3. Levels subject to change at detailed design
4. Do not scale from this drawing.

REVISIONS

Rev	Date	Description	By	Ckd	App
P03	06/10/2023	Sections orientation reversed.	JG	JG	JRC
P02	03/10/2023	General amendments	JG	JG	JRC
P01	25/09/2023	First Issue.	JG	JG	JRC

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PROJECT
LOTMEAD FARM

TITLE
LOTMEAD DEVELOPMENT PHASE 1 - SITE SECTIONS SHOWING GROUND RAISING REQUIRED TO ACHIEVE SURFACE WATER DRAINAGE SOLUTIONS

HYDROCK PROJECT NO.	SCALE @ A0
C-22006-C	AS SHOWN

STATUS DESCRIPTION	STATUS
INFORMATION	S2

DRAWING NO. (PROJECT-CODE-ORIGINATOR-ZONE-LEVEL-TYPE-ROLE-NUMBER)	REVISION
22006-HYD-P0-XX-DR-C-2721	P03