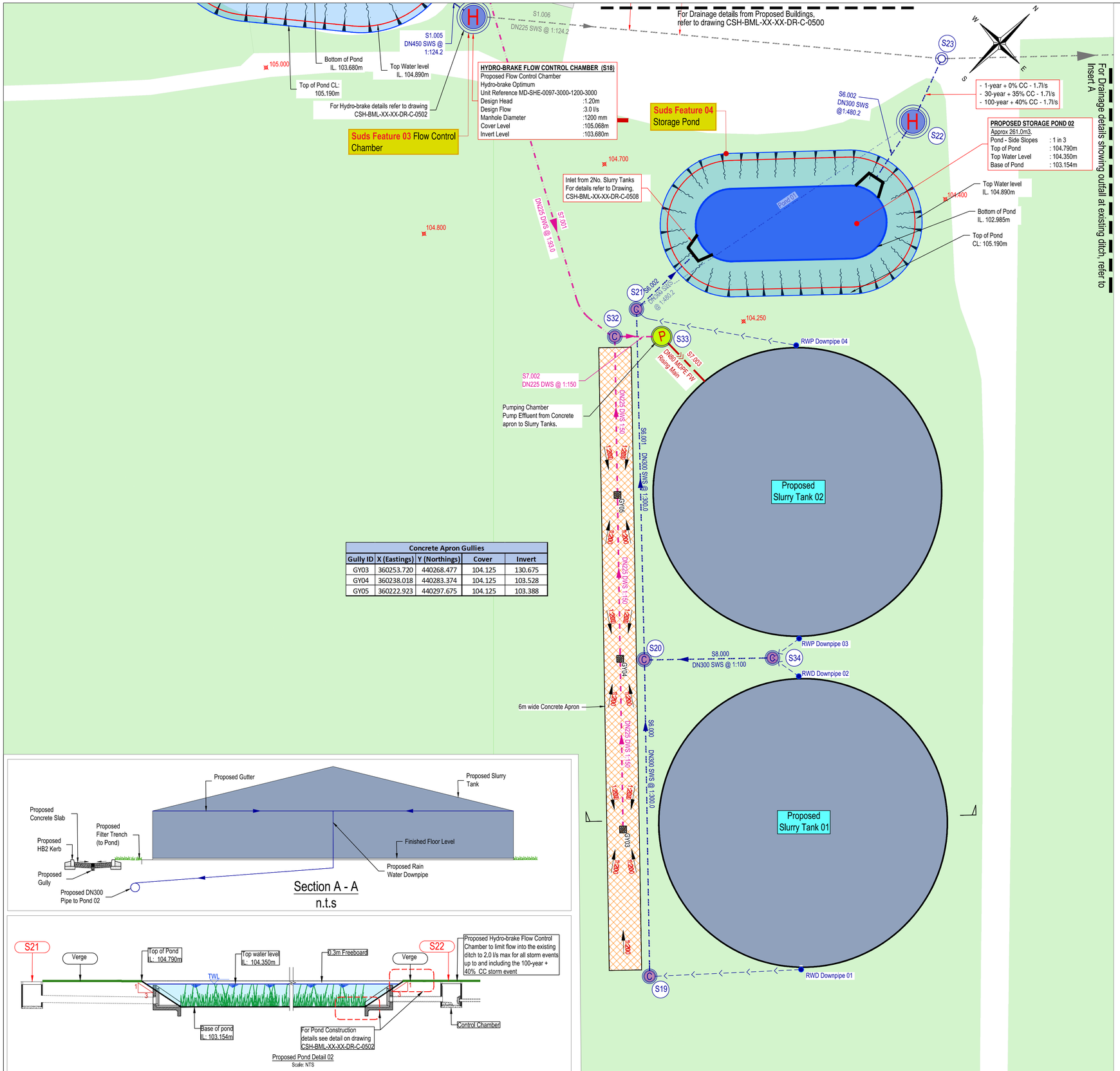

Concrete Apron Gullies				
Gully ID	X (Eastings)	Y (Northings)	Cover	Invert
GY03	360253.720	440268.477	104.125	130.675
GY04	360238.018	440283.374	104.125	103.528
GY05	360222.923	440297.675	104.125	103.388

Section A - A
n.t.s

Proposed Pond Detail 02
Scale: NTS

Plan
Scale 1:250

Notes:

1. The contractor is to check all information provided prior to commencing the works and seek clarification from the engineer in respect to any ambiguities found.
2. Pipe materials shall be as follows:
   Surface Water:
   -150ø to 225ø - Polypipe Polysewer PVCu pipes
   -300ø and above - Polypipe Rigisewer PVCu pipes
   Foul Water:
   -All pipe materials shall be clayware Class 120 to BS EN 295
3. All drainage under trafficked areas must be backfilled with an approved graded granular material.
4. All chamber covers and gully tops shall be kite marked and comply with the strength / group requirements of BS EN 124.
5. Cover levels for chambers within landscaped areas shall be adjusted to match surrounding finished levels.
6. All new rainwater down pipes are to discharge into roddable connections.
7. All pipes to be benched within the chambers soffit to soffit.
8. Drainage chambers within areas paved with paving flags and block setts shall all have recessed covers.
9. Final position of all RWP's and SVP's to be confirmed.

Greenfield Runoff Rates

ICP SUDS Mean Annual Flood

Input

Return Period (years)	100	Soil	0.450
Area (ha)	0.916	Urban	0.000
SAAR (mm)	1057	Region Number	Region 10

Results l/s

QBAR Rural	6.5
QBAR Urban	6.5
Q100 years	13.6
Q1 year	5.7
Q30 years	11.0
Q100 years	13.6

NOTE:

1.For Foul & Stormwater Manhole Schedules refer to drawings CSH-BML-XX-XX-DR-C-0504.

2. For Catchment Areas refer to drawings CSH-BML-XX-XX-DR-C-0505 & 0509.

3. For Flood Flow Analysis refer to drawings CSH-BML-XX-XX-DR-C-0506 & 0507.

4. For Drainage Details refer to drawings CSH-BML-XX-XX-DR-C-0501 to 0503.

5. Pipe material shall be as follows:
   100Ø to 225Ø - Vitrious Clay Class 120 to BS EN 295.

6. All pipes to have Class S bedding as per detail on drawing CSH-BML-XX-XX-DR-C-0501 unless otherwise specified.

0 5 10 25m
Scale 1:250

Safety, Health & Environmental Information:

In addition to the hazards and risks normally associated with the types of work detailed on this drawing, please note the significant hazards identified by symbols below,

INDICATES A RESIDUAL RISK AS A WARNING

INDICATES A RESIDUAL RISK FOR INFORMATION

and described below:

Construction/Maintenance/Cleaning/Demolition

Refer to Drawing:

General Notes:

1. Do not scale from this drawing.
2. All dimensions are in millimetres (mm), all levels in metres (m) unless noted otherwise.
3. Discrepancies or omissions are to be reported to the Engineer prior to work commencing.
4. Materials and workmanship are to comply in all respects with current British Standard Specifications, Codes of Practice, and Building Regulations Approved Documents.
5. The copyright of this drawing is vested in the Engineer and must not be copied or reproduced without written consent.
6. The Contractor is to check and verify all building and site dimensions, levels and sewer invert levels at connection points before work commences.
7. This drawing is to be read in conjunction with all relevant specifications and drawings issued by the Engineer, Architect and other Specialists.

Drainage Key:

DNXXX SWS @ 1:XXX.X	Proposed Stormwater Sewer
DNXXX SFT @ 1:XXX	Proposed Filter Drain
DNXXX DWS @ 1:XXX	Proposed Dirty Water Sewer
SXX	Proposed Stormwater Manhole
C SXX	Proposed Ridgistorm Separate Catchpit
H SXX	Proposed Stormwater Hydro-brake
	DN150 Gully / RWP Connector
RWP	Proposed Rain Water Pipe
	Proposed Rodding Eye
FFL XX.XXX	Proposed Finish Floor Level
P	Proposed Pumping Station. Refer to drawing CSH-BML-XX-XX-DR-C-0503 for details.
DNXXX COMB	Proposed Rising Main
DNXXX DWS GYXX	Proposed Inspection Chamber with Grilled Cover. For details Refer to drawing CSH-BML-XX-XX-DR-C-0503
XX.XXX	Design Levels

Rev	By / Chk'd	Date	Description
P04	IW/AM	28/02/2024	Drainage details updated
P03	DH/AM	06/02/2024	Drainage Details updated
P02	DH/AM	26/01/2024	Drainage Details updated
P01	DH/AM	15/08/2023	Preliminary Issue

PRELIMINARY DRAWING
This drawing is not to be used for construction

Client
FI REAL ESTATE MANAGEMENT

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BarnsleyMarshall

Project
Cow Shed
Elmridge Lane, Preston,
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Drawing
Proposed Surface Water Drainage Plan Layout 02 Slurry Tanks

By/Chk'd DH/AM Date 05/04/2023

Drawing No. CSH-BML-XX-XX-DR-C-0508
Revision P04
BML Job No. 1000-05
Status -
Drawing Scale at A1: As Shown
CAD Filename: Y:\Projects\1000-05 Cow Shed\Information - Working\DWG\CSH-BML-XX-XX-DR-C-0500-0504-0508 P05 - Drainage Plan Layout P2.dwg