NOTE:
- It has not been possible to definitively confirm the foundations to the existing building. It is anticipated that the building could be piled but with a ground bearing slab.
- Should structure other than the above be encountered, the advice should be obtained from the structural engineer.
- When installing the new linear drain, scabble the first 100mm of existing slab to confirm that only lightweight mesh is present (i.e. not significant reinforcement which could indicate alternative construction).
- If a tie between the portal frame columns is encountered (steel bar - maybe concrete encased) - do not alter.

NOTE:
- All working areas should be scanned for services by the Contractor prior to 'breaking ground' as the site is congested and has developed over many years.
- For initial depth of excavation, hand digging is recommended to prevent damage to unknown services.

NOTE:
Coordination with Ex. drainage to be reviewed on site. Indicative line of Ex. drains shown - allow for concrete encasement adjacent and under the new bund.

For details of new sump, please refer to Dwg. 04.

20mm aerofill compressible filler between new bund and existing building (and to external slab typically) with 20x20mm mastic seal (Colpor 200PF or equivalent).

500x500x500mm deep sump to external bund with stainless steel diamond pattern mesh grating by Steelway Fensecure (FL35H) or equivalent.

All alterations to existing plant and process equipment - by Others.

For details of new bund, please refer to Dwg. 03.

250mm wide level perimeter for Fume Cupboard structure (by others).

Aco 157 stainless steel gully pot in grade 316 with foul air trap.
Grating to be 200x200mm slip resistant mesh, C250 in 316 grade stainless steel.

Poly Pip Civils Polysewer (TBC) drainage. 100mmØ at min 1 in 40 fall.

+ 138mm.

150mm.

Indicates rise in floor level above existing - Typical.

Concrete Topping:
New microsilica screed - 'Tarmac Toproc ED' (10mm aggregate) laid to falls (min. 75mm thick).

Aco - Stainless Steel linear drain (sloping channel).

+ 75mm.

NOTE:
Ex. pit to be filled to later details.

Aco Modular 125+ stainless steel channel system in 316 grade (min. 95mm depth and 5m long total). Use sloping channels with gully pot with foul air trap.
Grating to be slip resistant mesh, C250 in 316 grade stainless steel.

NOTE:
Client to confirm adequacy of reduced roller shutter door height - Any alterations to existing roller shutter door by Others.

NOTE:
Door heights to be raised to accommodate change in floor level - by Others.

Approx. location of new door - TBC by Others.

Indicates rise in floor level above existing - Typical.

New RC plinth doweled into Ex. slab with 2hr fire rated partition over (by others).

Existing ramp to be cut out and replaced with larger ramp at max. 1 in 12 to accommodate rise in floor level.

Ex. slab to be scabbled to allow formation of new ramp with a minim screed thickness of 50mm

Internal layout by Others - TBC.

CONTROL ROOM

FREEZER ROOM

SWITCH ROOM

MESS ROOM / TOILET

Approx. 3No. steps with 150mm risers and 275mm goings - To be reviewed on site.

Common external platform and steps built off existing concrete hardstanding to serve both doors. Use RC40/50XF grade concrete with A193 mesh top and sides (50mm cover). Prepare surface by cleaning and scabbling existing slab to create good 'key'. Use 10No. H10 L-bars resin grouted into the existing slab to link to new platform and steps - 125mm embedment into Ex. slab using Hilti Hit RE 500 resin. Galv. MS handrails to platform and steps (min. 1.2m clear walkway) by Redman Fisher or equivalent - Horizontal udl of 0.74kN/m run.
NEED FOR RAMPED ACCESS TO BE REVIEWED.

Platform to provide Min. 1.2m clearance from open door.

Demolition - by Others.

Indicates rise in floor level above existing - Typical.

GRAPHIC SCALE: 1:50

NDA Comments: Scale bar added for planning

NOTES

1. This drawing to be read in conjunction with all relevant Architect's and Engineer's drawings and the Specifications.
2. Do not scale this drawing.*
3. The Contractor is to remain responsible for the temporary works and ensuring stability is maintained throughout the works.
4. Note that the background level information is the topographical survey data of the existing site.
5. New external sump is to contain spillage and wash down water i.e. not fire water.
6. Existing slab to be fully prepared (removal of dust, lose materials and any contamination i.e. oils or previous floor treatments) prior to placement of the new screed to ensure proper bond is achieved. Techniques such as gritblasting or milling may be used.

*NDA comments: With the exception of the Local Planning Authority for the planning process.

LEGEND

Revision	By	Chk'd By	Date	Comments
C1	DH	DH	OCT 20	Concrete topping microsilica screed product added.
C0	DH	DH	OCT 20	CONSTRUCTION ISSUE
P1	SDE	SDE	OCT 20	Drawing updated
P0	SDE	SDE	OCT 20	Draft issue

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Site: CRODA, LEEK.

Project: WORKSHOP DRAINAGE

Drawing Title: **GENERAL ARRANGEMENT PLAN**

Scale: 1:50 @ A1

Date: OCT 2020

Drawing Number: **407.10574.00001/01**

Revision: **C1**

CONSTRUCTION

407.10574.00001-01-C1_Croda Workshop - Plan.dwg