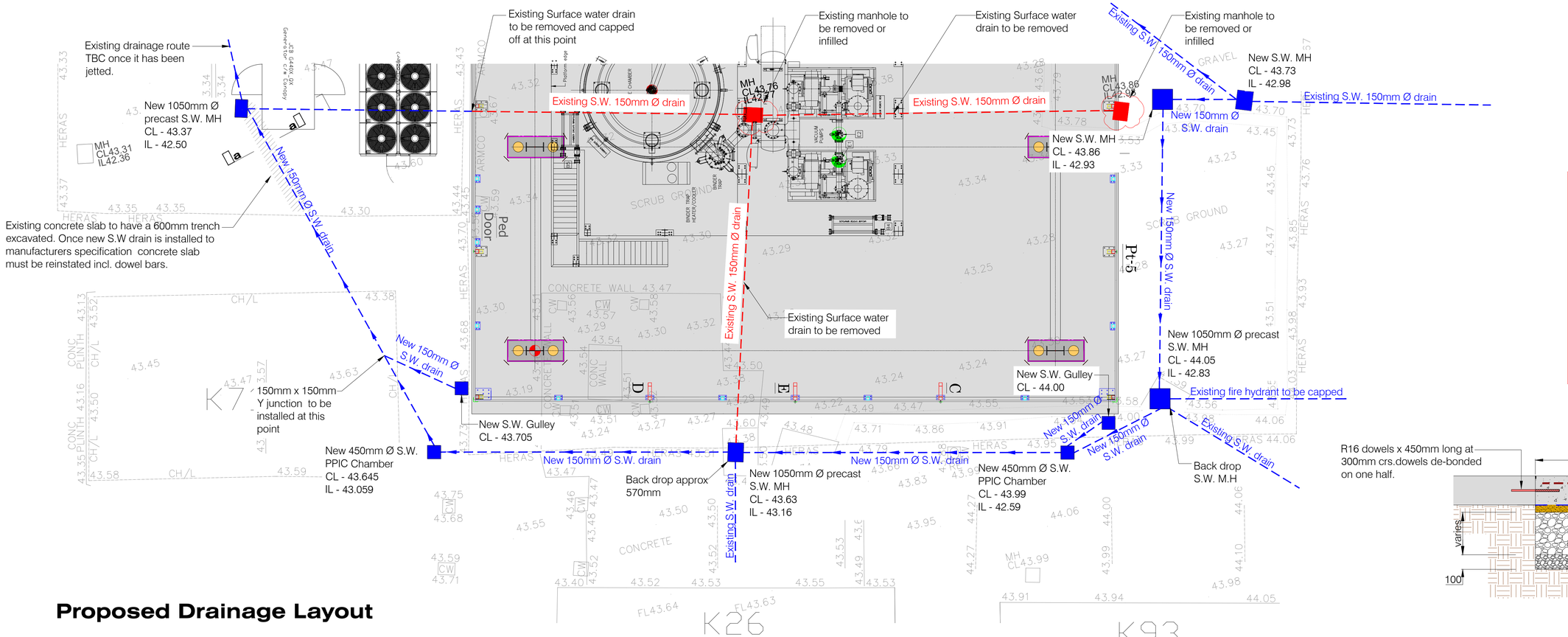
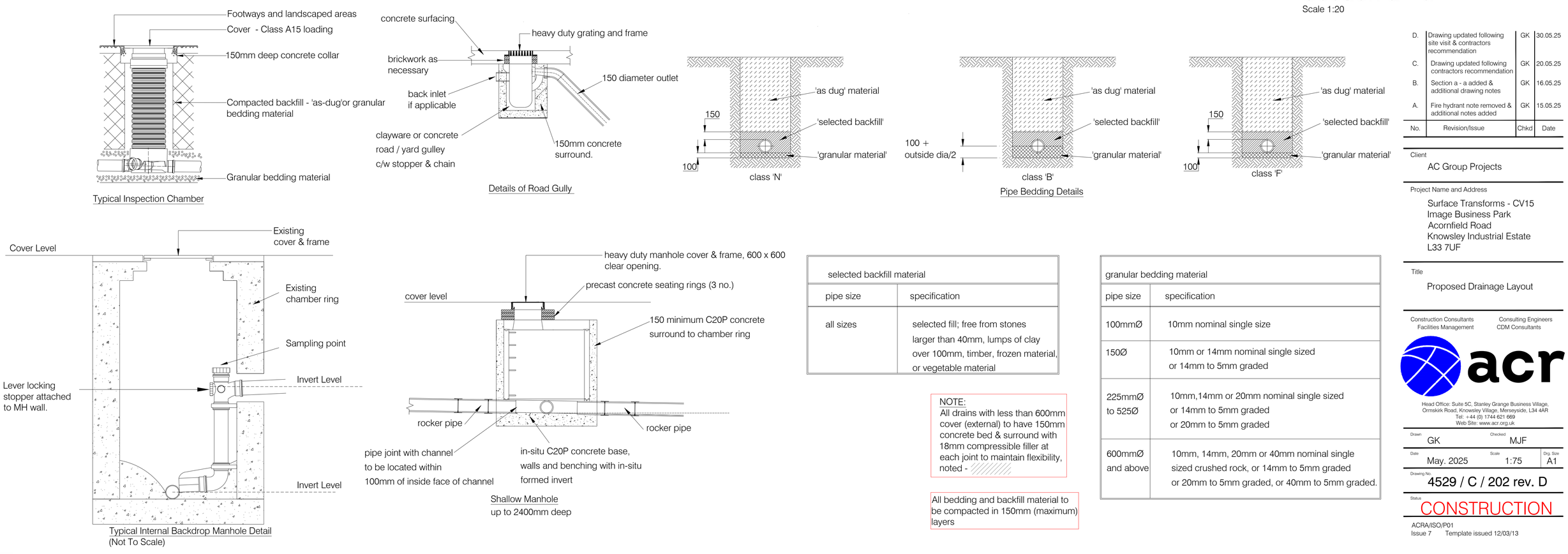


Proposed Drainage Layout

Scale 1:20



Section a - a

Typical Inspection Chamber

Details of Road Gully

Pipe Bedding Details

Typical Internal Backdrop Manhole Detail
(Not To Scale)

Shallow Manhole
up to 2400mm deep

selected backfill material	
pipe size	specification
all sizes	selected fill; free from stones larger than 40mm, lumps of clay over 100mm, timber, frozen material, or vegetable material

NOTE:
All drains with less than 600mm cover (external) to have 150mm concrete bed & surround with 18mm compressible filler at each joint to maintain flexibility, noted -

All bedding and backfill material to be compacted in 150mm (maximum) layers

granular bedding material	
pipe size	specification
100mmØ	10mm nominal single size
150Ø	10mm or 14mm nominal single sized or 14mm to 5mm graded
225mmØ to 525Ø	10mm,14mm or 20mm nominal single sized or 14mm to 5mm graded or 20mm to 5mm graded
600mmØ and above	10mm, 14mm, 20mm or 40mm nominal single sized crushed rock, or 14mm to 5mm graded or 20mm to 5mm graded, or 40mm to 5mm graded.

This drawing is copyright and property of ACR. It must not be copied in whole or in part used for manufacture or disclosed without the written consent of ACR.

DO NOT SCALE
REPORT ALL ERRORS AND OMISSIONS DIMENSIONS TO BE CHECKED ON SITE

NOTES:

- All invert levels to be checked on site.
- No excavations to be undertaken prior to a full yard utility scan.
- All works to be approved by Building Control prior to covering up.
- All materials and workmanship to comply with relevant British Standard Specification or Code of Practice.

No.	Revision/Issue	Chkd	Date
D.	Drawing updated following site visit & contractors recommendation	GK	30.05.25
C.	Drawing updated following contractors recommendation	GK	20.05.25
B.	Section a - a added & additional drawing notes	GK	16.05.25
A.	Fire hydrant note removed & additional notes added	GK	15.05.25

Client
AC Group Projects

Project Name and Address
Surface Transforms - CV15
Image Business Park
Acornfield Road
Knowsley Industrial Estate
L33 7UF

Title
Proposed Drainage Layout

Construction Consultants Facilities Management
Consulting Engineers CDM Consultants
acr
Head Office: Suite 5C, Stanley Grange Business Village, Ormskirk Road, Knowsley Village, Merseyside, L34 4AR
Tel: ++44 (0) 1744 621 669
Web Site: www.acr.org.uk

Drawn	Checked		
GK	MJF		
Date	Scale		Drg. Size
May. 2025	1:75		A1

Drawing No.
4529 / C / 202 rev. D

Status
CONSTRUCTION

ACRA/ISO/P01
Issue 7 Template issued 12/03/13