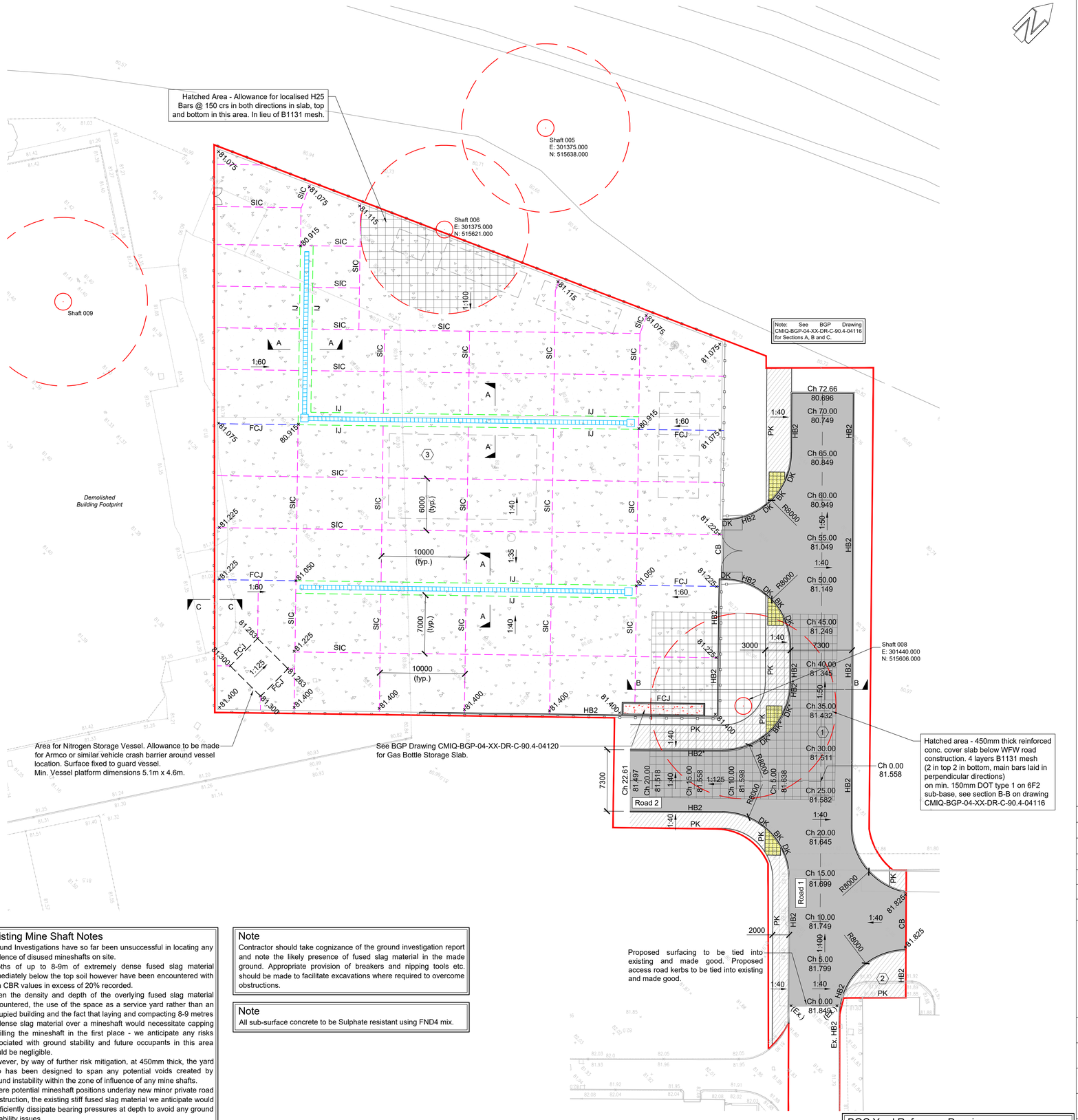

DO NOT SCALE

Notes:

1. Road and footpath surfaces are to meet architects specification.
2. All levels are in metres to Ordnance Datum (m AOD).
3. The contractor is to check all dimensions and levels and report any discrepancies or omissions to the engineer.
4. All works and materials to be in accordance with;

(i) DMRB current design standards.

(ii) New Road and Streetworks Act. 1991.

5. This drawing is to be read only in conjunction with BGP specification and drawings.
6. All kerbs and channels shall be hydraulically pressed and comply in all respects with BS 7263 Part 1.
7. Kerbs and channels shall be laid true to line and level and shall not be backed until inspected and approved by the Engineer.
8. For softscape areas refer to architects specification & details.
9. All road markings to be thermoplastic in accordance with current standards & legislation.

S.H.E.
Do not excavate until all underground services have been identified and marked out. Refer to service providers drawings and to the utilities survey drawings. Unknown underground services may exist. Check for services by carrying out a scan with a cable avoidance tool.

Legend:

- (1) Proposed Hot Rolled Asphalt Access Road - HGV Trafficked
- (2) Proposed Asphalt Concrete Footpay - Pedestrian Trafficked
- (3) Proposed Concrete Slab - HGV Trafficked
- (4) Proposed Concrete Slab - Gas Bottle Store

Levels

+28.640 (Ex.)	Existing Site Level
+81.000	Proposed Site Level
81.39	Topographic Level

Kerbs

HB2	Half battered Kerb 125 x 255mm.
CK	Centre Kerb 125 x 178. (25mm check vehicular access)
DK	Drop Kerb 125 x 255mm left / right.
PK	Pin Kerb 50 x 150mm (flat top)
BK	Centre Kerb 125 x 150 (locate as per crossings) (6mm check pedestrian access)
HB2*	Half battered Kerb 125 x 255mm. (CB laid flush to front face)
BK*	Centre Kerb 125 x 150 (locate as per crossings) (6mm check pedestrian access) (CB laid flush to front face)
Ex. HB2	Half Battered Kerbs to remain
	Site Boundary
FCJ	Formed Contraction Joint
IJ	Isolation Joint
SIC	Saw Induced Crack

Mine Shafts (Risk of Collapse)

2m Shaft Radius

10m radius additional risk of shaft collapse

SHAFT###

AMENDMENT	BY	REV	CHK	DATE
Issued for Comment	ZW	P04	JC	07.09.2022
Issued for Comment	ZW	P03	JC	26.08.2022
Issued for Information	ZW	P02	JC	10.05.2022
Issued for Planning	JJH	P01	JC	04.03.2022

Rev P = Preliminary T = Tender C = Construction LCI = Last Construction Issue

In instances where this drawing completes or partly completes a contract, Billinghurst George & Partners will consider that it's product has been validated, unless in a period not exceeding 90 working days, the client advises to the contrary.

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Client
Copeland Borough Council

Project
Cleator Moor Innovation Quarter - BOC Yard

Project No.
21T2034

Drawing Title
Externals Plan

Drawn	Date	Checked	Date	Size	Scale	Class.	Rev.
JJH	March 2022	JC	March 2022	A1	1:250	90.4	P04

Location	Originator	Volume	Level	Type	Role	Unique No.
CMIQ	BGP	04	XX	DR	C	04110

File Reference
CMIQ-BGP-04-XX-DR-C-90.4-04110

Existing Mine Shaft Notes

Ground Investigations have so far been unsuccessful in locating any evidence of disused mineshafts on site.
Depths of up to 8-9m of extremely dense fused slag material immediately below the top soil however have been encountered with high CBR values in excess of 20% recorded.
Given the density and depth of the overlying fused slag material encountered, the use of the space as a service yard rather than an occupied building and the fact that laying and compacting 8-9 metres of dense slag material over a mineshaft would necessitate capping or filling the mineshaft in the first place - we anticipate any risks associated with ground stability and future occupants in this area would be negligible.
However, by way of further risk mitigation, at 450mm thick, the yard slab has been designed to span any potential voids created by ground instability within the zone of influence of any mine shafts.
Where potential mineshaft positions underlay new minor private road construction, the existing stiff fused slag material we anticipate would sufficiently dissipate bearing pressures at depth to avoid any ground instability issues.
However, by way of additional risk mitigation, a reinforced 450mm thick cover slab below the new road make-up will be installed to span any potential voids in the vicinity of these anticipated areas.

Note

Contractor should take cognizance of the ground investigation report and note the likely presence of fused slag material in the made ground. Appropriate provision of breakers and nipping tools etc. should be made to facilitate excavations where required to overcome obstructions.

Note

All sub-surface concrete to be Sulphate resistant using FND4 mix.

Site Location Plan
Scale 1:10000

BOC Yard Reference Drawings

CMIQ-BGP-04-XX-DR-C-52-04101 - Impermeable Areas Plan
CMIQ-BGP-04-XX-DR-C-52-04102 - Flood Exceedance Flow Route
CMIQ-BGP-04-XX-DR-C-90.4-04110 - Externals Plan
CMIQ-BGP-04-XX-DR-C-52-04130 - Drainage Plan