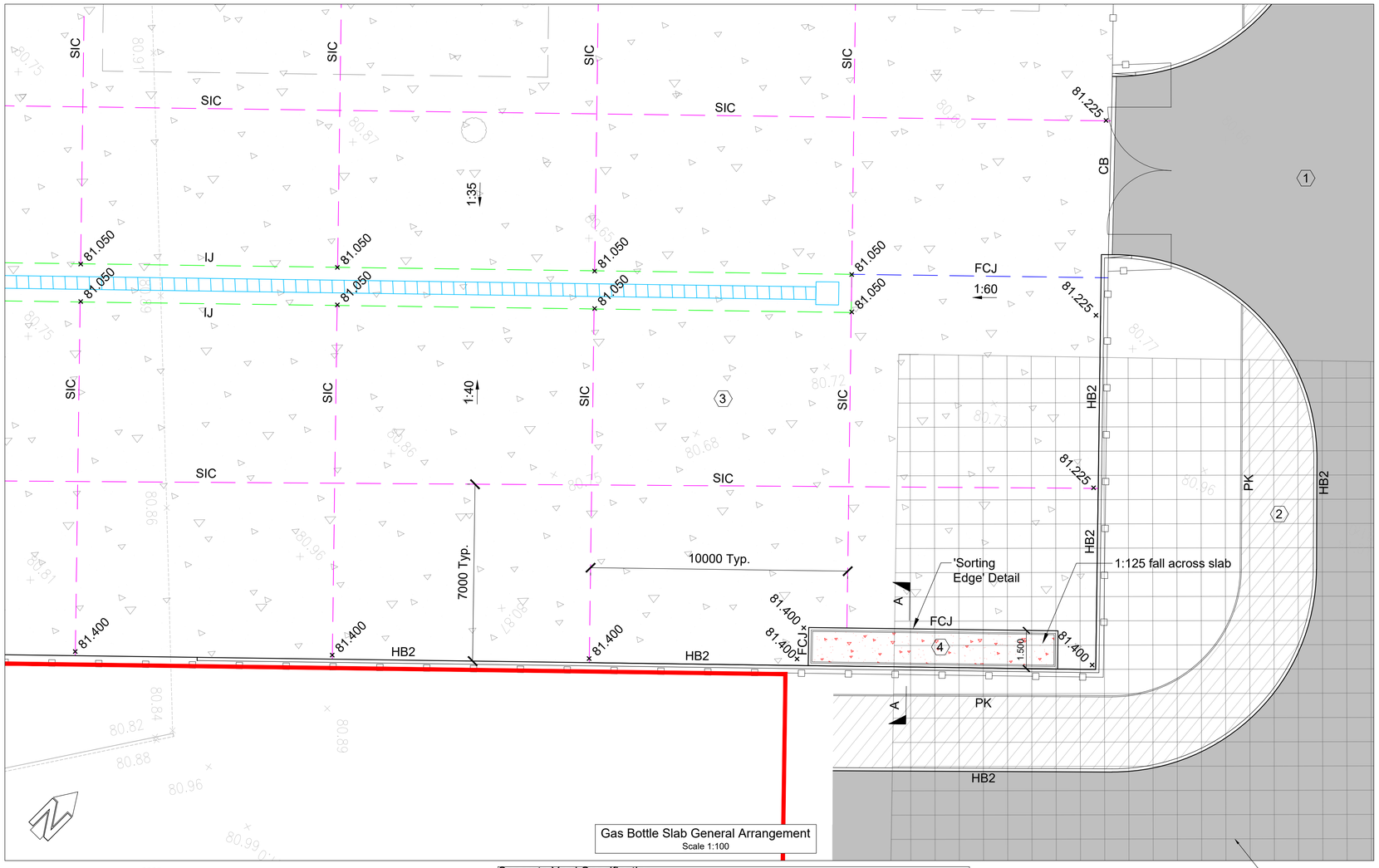
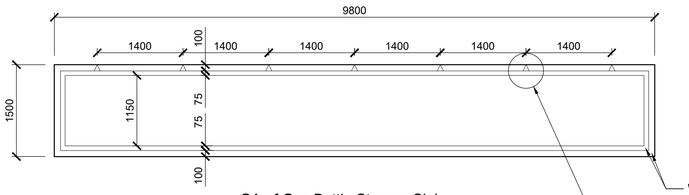


Gas Bottle Slab General Arrangement
Scale 1:100

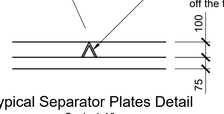
Hatched Area - 450mm thick reinforced conc. cover slab below WFW road construction. 2 layers B1131 mesh (2 in top 2 in bottom, main bars laid in perpendicular directions) on min. 150mm DOT type 1 on 6F2 sub-base, see section B-B

Concrete Yard Specification
450 Thk Concrete in accordance with BGP external concrete specification item P.1.8.2. - Designed mix FND4 air entrained.
(Brush finish in opposite direction to general flow of traffic and 100mm wide float finish around each slab) if in doubt ask.
4 layers B1131 mesh (2 in top 2 in bottom, main bars laid in perpendicular directions).
on 1200g membrane
Sub-base . .150mm Type 1 Stone



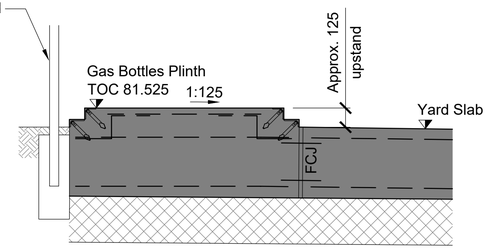
GA of Gas Bottle Storage Slab
Scale 1:50

Welded mitre joint to higher and lower angles on corners of slab

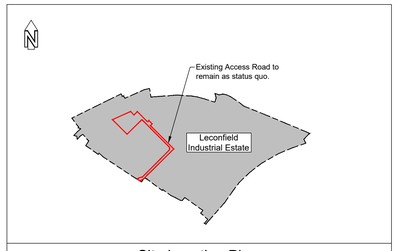


Welded 10mm thick plates to form "raised triangle piece" 50mm high off the top of 100mm side of 100x75 angle. 1400 crs typical.

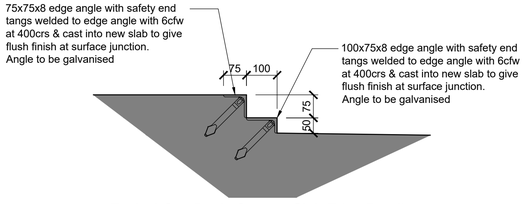
Typical Separator Plates Detail
Scale 1:10



Section A-A
Section through Gas Bottle Slab
Scale 1:20



Site Location Plan
Scale 1:10000



Typical Gas Bottle Storage Slab Edge Detail
Scale 1:10

Note
Contractor to confirm if as-built levels or positions of joints differ to the design drawings and inform engineer. As-built information to be provided.

Note
Position of gas bottle slab and slab for gas support frames based on sketch drawings provided by BOC. BOC to confirm acceptance of proposals prior to all works. All gas bottle slab setting out and dimensions by architect. BGP take no responsibility for any inaccuracies between the BOC setting out drawing and the 3rd party cage fabricator.

Note
Drawing is to be issued to BOC for approval prior to all works. BGP to be informed of any further requirements for access, maintenance or installation of equipment.

Note
Drawings to be read in conjunction with all BGP drawings, Landscape Architects drawings and BOC drawings. Engineer to be informed of any discrepancies.

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 for Gas Bottle Store

Levels
+81.000 (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)
Ex. HB2 Half Battered Kerbs to remain
Site Boundary
FCJ Formed Contraction Joint
IJ Isolation Joint
SIC Saw Induced Crack

AMENDMENT	BY	REV	CHK	DATE
Issued for Information	RM	P02	JC	07.09.2022
Issued for Information	JJH	P01	JC	10.05.2022

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.

Billinghurst George & Partners
CIVIL & STRUCTURAL ENGINEERS | BUILDING SURVEYORS
1st Floor, Wellington House, Wellington Court, Stockton-on-Tees, TS18 3TA
T 01642 876 470 @BGPconsulting E consulting@bgp-teesside.co.uk - W www.bgp-consulting.co.uk

Client
Copeland Borough Council

Project
Cleator Moor Innovation Quarter - BOC Yard

Project No.
21T2034

Drawing Title
Externals Bottle Store Slab

Drawn	Date	Checked	Date	Size	Scale	Class.	Rev.
JJH	April 2022	JC	April 2022	A1	1:100	90.4	P02

Location	Originator	Volume	Level	Type	Role	Unique No.
CMIQ	BGP	04	XX	DR	C	04120

File Reference
CMIQ-BGP-04-XX-DR-C-90.4-04120