

Dr. No. C2014B / DR / 0502

DRAINAGE - CRAMIC WAY

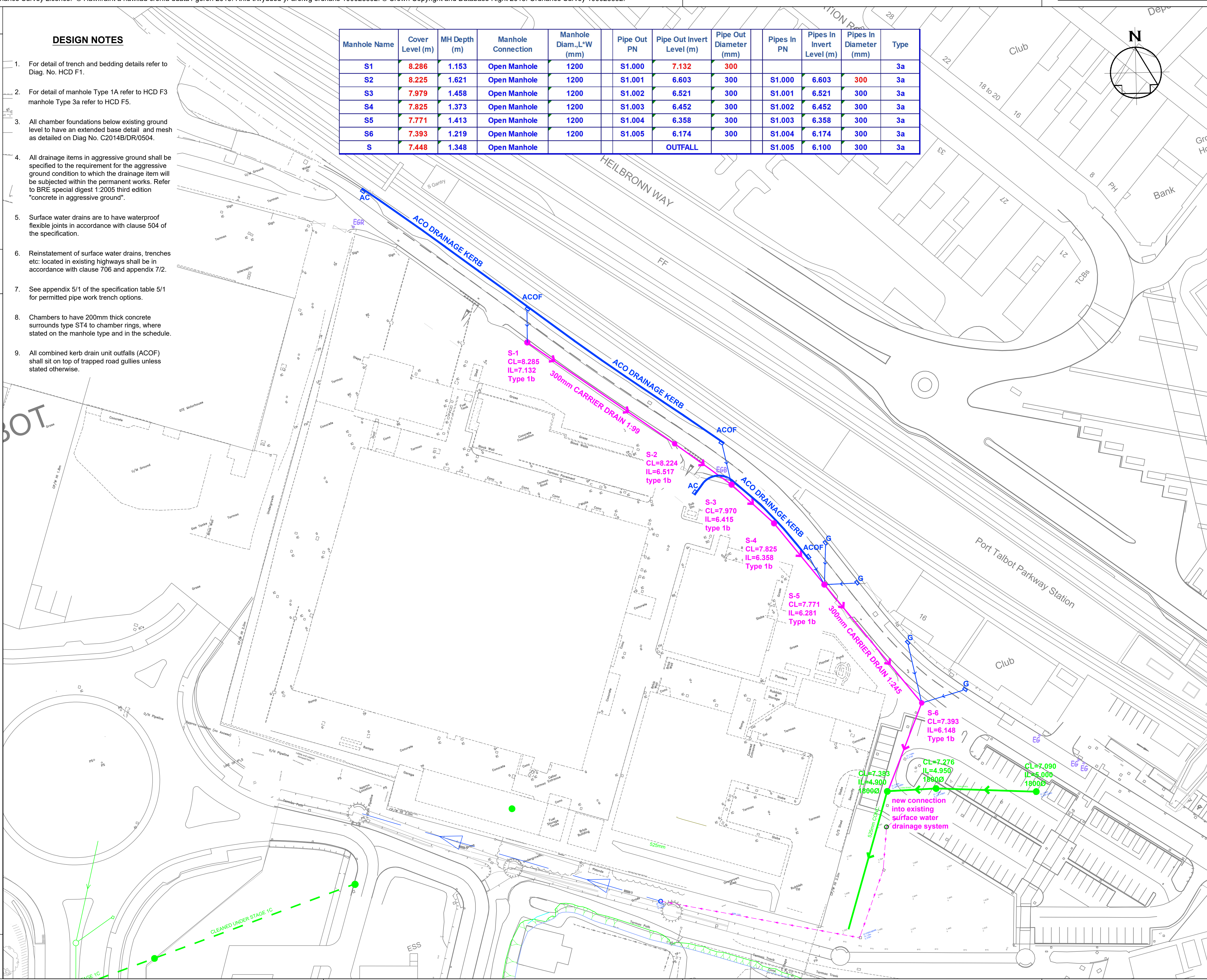
C2014B HARBOURSIDE STRATEGIC EMPLOYMENT SITE

Job Title

DESIGN NOTES

- For detail of trench and bedding details refer to Diag. No. HCD F1.
- For detail of manhole Type 1A refer to HCD F3 manhole Type 3a refer to HCD F5.
- All chamber foundations below existing ground level to have an extended base detail and mesh as detailed on Diag No. C2014B/DR/0504.
- All drainage items in aggressive ground shall be specified to the requirement for the aggressive ground condition to which the drainage item will be subjected within the permanent works. Refer to BRE special digest 1:2005 third edition "concrete in aggressive ground".
- Surface water drains are to have waterproof flexible joints in accordance with clause 504 of the specification.
- Reinstatement of surface water drains, trenches etc: located in existing highways shall be in accordance with clause 706 and appendix 7/2.
- See appendix 5/1 of the specification table 5/1 for permitted pipe work trench options.
- Chambers to have 200mm thick concrete surrounds type ST4 to chamber rings, where stated on the manhole type and in the schedule.
- All combined kerb drain unit outfalls (ACOF) shall sit on top of trapped road gullies unless stated otherwise.

Manhole Name	Cover Level (m)	MH Depth (m)	Manhole Connection	Manhole Diam.,L*W (mm)	Pipe Out PN	Pipe Out Invert Level (m)	Pipe Out Diameter (mm)	Pipes In PN	Pipes In Invert Level (m)	Pipes In Diameter (mm)	Type
S1	8.286	1.153	Open Manhole	1200	S1.000	7.132	300				3a
S2	8.225	1.621	Open Manhole	1200	S1.001	6.603	300	S1.000	6.603	300	3a
S3	7.979	1.458	Open Manhole	1200	S1.002	6.521	300	S1.001	6.521	300	3a
S4	7.825	1.373	Open Manhole	1200	S1.003	6.452	300	S1.002	6.452	300	3a
S5	7.771	1.413	Open Manhole	1200	S1.004	6.358	300	S1.003	6.358	300	3a
S6	7.393	1.219	Open Manhole	1200	S1.005	6.174	300	S1.004	6.174	300	3a
S	7.448	1.348	Open Manhole			OUTFALL		S1.005	6.100	300	3a



NOTES

1. All dimensions are in millimetres unless otherwise stated.

2. All levels are quoted in metres above Ordnance Datum.

3. Drainage notes are to be read in conjunction with all the drainage series drawings.

4. For drainage details refer to Highway Construction Details:

F1 - Surface Water Drains - Trench and Bedding Details

F3 - Type 1 Chamber (Brick or In-situ concrete manhole)

F10 - Chamber fittings - ladder handhold and safety chain

F28 - Chamber fittings - guardrail

5. For Drainage Long Sections and Control Sections see drawing no. C2014B / DR / 0504.

6. For Drainage Construction details and Typical Sections see drawing no. C2014B / DR / 0505.

7. For Drainage Standard details see drawing no. C2014B / DR / 0506.

8. For Drainage Gully Types and Gully connections see drawing no. C2014B / DR / 0507.

KEY

AC ACOF

PROPOSED KERB DRAIN UNIT.
AC - ACCESS COVER (CLEANING)
ACOF - OUTLET

G

PROPOSED GAZ GULLY

MH

PROPOSED MANHOLE.

1500

PROPOSED GULLY CONNECTING DRAIN DG1

3000

PROPOSED CARRIER DRAIN WITH ASSOCIATED LONG SECTION.

EXISTING COMBINED DRAINAGE

EG

EXISTING GULLY TO REMAIN.

EGB

EXISTING GULLY TO ABANDON.

EGR

EXISTING GULLY TO REFURBISH - NEW FRAME AND COVER. RESET TO NEW LEVELS.

Rev

Details

Dr

Ch

Ap

Date

Client

Cyngor Castell-nedd Port Talbot
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ENGINEERING AND TRANSPORT

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DRAINAGE - CRAMIC WAY

File No.

Financial Code No. 26.007500.B054.300916

Drawn

Checked

MCB

Approved

HH

Date

JAN '20

Date

JAN '20

Date

JAN '20

Scales

1:500

Status

PLANNING

Drawing No.

C2014B / DR / 0502