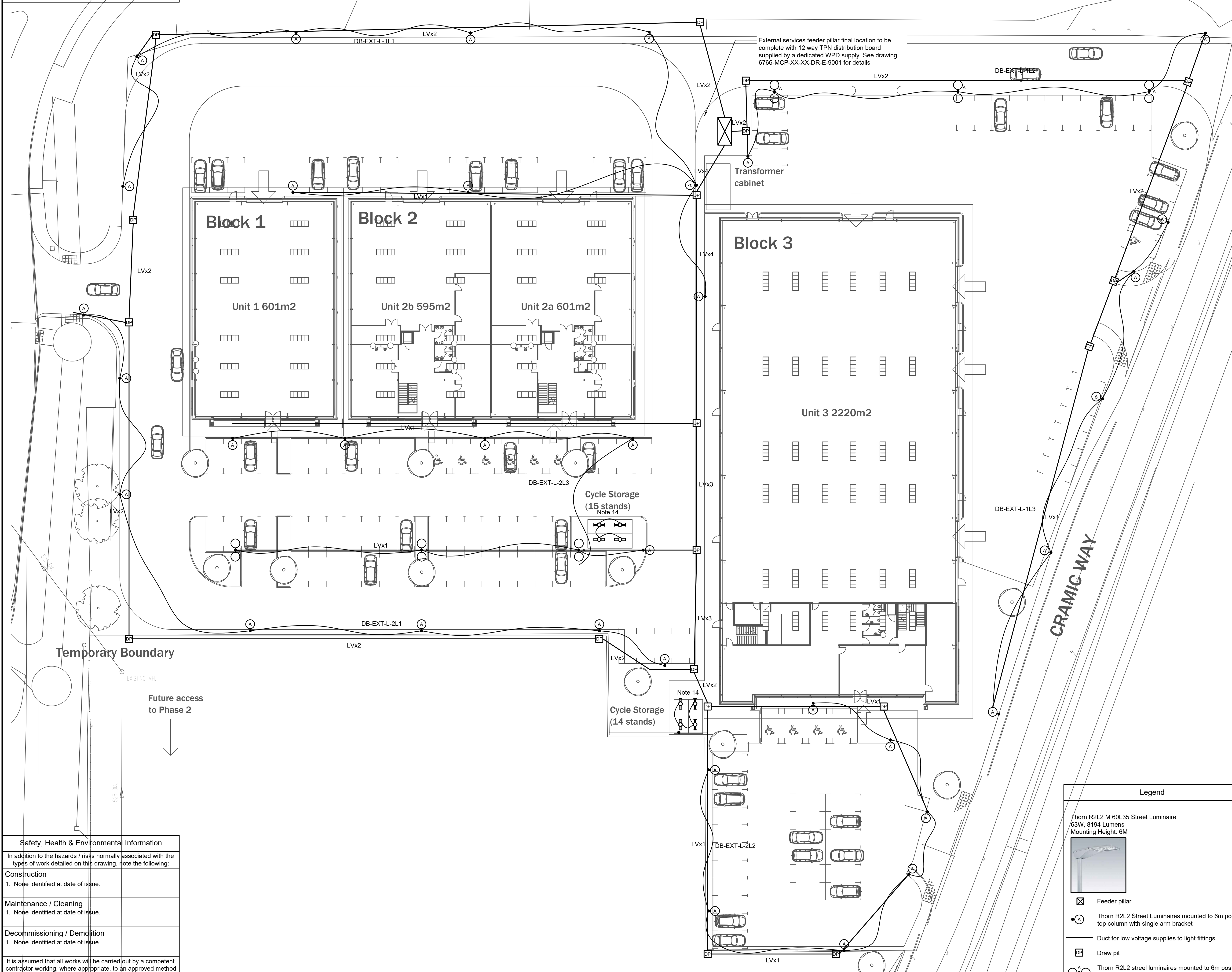


0 10 20 30 40 50 60 Scale Bar (mm @ 1:1)



- This is not an installation drawing.
- The final coordination of services, specialist Sub-Contractors, and building structure is the responsibility of the building services Contractor.
- Do not scale from this drawing.
- This drawing shall be read in conjunction with the MEP Specification.
- The installation of services shall be in compliance with the workmanship clauses detailed in the Specification.

Notes

1. All external luminaires shall be served from feeder pillar next to sub-station with external photocell, manual override for control of lighting the external lighting installation shall have a control strategy inline with the clients requirements
2. Exact location of all luminaires to be agreed prior to commencement of works.
3. The main contractor shall be responsible for all required excavation works and reinstatement to facilitate underground ducts to contain all cabling to external lighting and external signage.
4. It shall be the sole responsibility of the contractor to ensure that all existing underground electrical cables are suitably traced and identified prior to commencement of works.
5. All duct routes are for indicative purposes only and exact routes shall be agreed on site. Contractor to 'Set out' and coordinate location of all ducts & draw pits prior to installation.
6. All draw pit locations and No's are detailed for indicative purposes only. The contractor shall include for all required draw pits as required on site.
7. All ducts shall be complete with draw wire and slow bends where required.
8. All external lighting installation will be wired in 3C 16mm² XLPE/SWA/PVC cable.
9. Contractor to coordinate all works associated with the new incoming electrical supply.
10. Contractor to coordinate all works with drainage and other external works.
11. The contractor shall be responsible for the design, coordination, supply, installation, commissioning and setting to works of all engineering services as detailed within the drawings which form part of the tender package
12. All ducts shall be installed complete with draw cords and slow radius bends.
13. All ducts shall comply with the requirement of BSEN 50086-2-4, and duct stiffness shall be selected to suit site conditions, where minimum stiffness shall not be less than 500kPa.
14. Indicative cycle rack lighting Thorn Aquaforce Pro, IP65 luminaire linked to external photocell proposed.

Updated to latest layout	CM	Jan 21	P03
Revised to suit updated layout	NR	June 20	P02
Details	Eng	Date	Rev

Revisions

Consulting Engineers
Faraday House, Terra Nova Way
Penarth Marina, Cardiff CF64 1SA
Tel. (029) 2035 2450
Fax. (029) 2035 2451
www.mccannp.com
office@mccannp.com



Job Title

Cramic Way

Drawing Title

Electrical Engineering Services
Proposed External Lighting

Scale	@ A1	Date	Authorised	Checked	Engineer	Drawn
1:250		Jan 20	CM	KS	NR/CL	MB
McConn Ref	Status	Initial Status		Status Code	Revision	
6766				S0	P03	
Project	Origin	Volume	Level	Type	Discipline Number	
6766	MCP	V1	00	DR	E	9000

Legend

Thorn R2L2 M 60L35 Street Luminaire
63W, 8194 Lumens
Mounting Height: 6M



- ☒ Feeder pillar
- (A) Thorn R2L2 Street Luminaires mounted to 6m post top column with single arm bracket
- Duct for low voltage supplies to light fittings
- DP Draw pit
- (A) Thorn R2L2 steel luminaires mounted to 6m post top column with twin arm bracket

Safety, Health & Environmental Information

In addition to the hazards / risks normally associated with the types of work detailed on this drawing, note the following:

Construction

1. None identified at date of issue.

Maintenance / Cleaning

1. None identified at date of issue.

Decommissioning / Demolition

1. None identified at date of issue.

It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement