

# CABWI Level 2 Diploma in Network Construction Operations (Water) - Main Layer

(Ofqual ref: 600/2044/1)

Level	2	CABWI Qualification Ref	NCOW2ML
Credit Value	38	TQT	378

## Qualification Summary

The CABWI Level 2 Diploma in Network Construction Operations (Water) - Main Layer allows learners to demonstrate the skills and knowledge required by main layers working in the water industry, whose role it is to install water mains on the distribution network.

## Qualification Aim

This competence-based qualification covers the underpinning knowledge and practical skills required to install water mains on the distribution network. The qualification covers the technical network construction skills required for a main layer, including health, safety and hygiene, and also includes requirements relating to working effectively and maintaining effective working relationships. Learners must produce workplace evidence to show that they can meet the assessment requirements consistently over time.

There are no entry requirements for this qualification. However, as there is a requirement for learners to provide evidence from workplace activities, the learner must be working in the water industry and undertaking main laying activities on a regular basis.

The qualification can be used to up-skill existing staff. It is also one of the Level 2 qualifications that may be taken by apprentices working on the SASE apprenticeship framework for The Water Industry.

## Assessment Methodology

Assessment for the Level 2 Diploma in Network Construction Operations (Water) - Main Layer is conducted using a portfolio of evidence. CABWI has produced documentation to support the recording of performance and knowledge evidence, which can be used to support assessment.

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## Qualification Structure

For a full Level 2 Diploma in Network Construction Operations (Water) - Main Layer, the learner must complete all of the mandatory units from *either* the Self-Lay or the Distribution Pathway. Eleven mandatory units are required for the Self-Lay Pathway, and there are twelve mandatory units in the Distribution Pathway.

### Self-Lay Pathway: Mandatory Units – *all learners must complete the following eleven mandatory units*

MUNC01	Create an efficient and effective environment in utilities network construction (R/503/0316)
MUNCW2	Maintain a safe and secure working environment in water network construction (D/503/1159)
MUNC03	Establish and maintain effective working relationships in utilities network construction (A/503/0665)
MUNC05	Install equipment for safe working on site for utilities network construction (F/503/0683)
MUNC06	Locate and avoid supply apparatus for utilities network construction (J/503/0684)
MUNC07	Excavate and maintain holes and trenches for utilities network construction (L/503/0685)
MUNC09	Operate powered tools and equipment for routine and predictable requirements on utilities network construction (Y/503/0687)
MUNC10	Joint materials by electrofusion processes on utilities network construction (F/503/0666)
MUNC11A	Joint materials by butt fusion processes on utilities network construction, up to 180mm diameter (J/503/0667)
MUNC12	Joint materials by mechanical means on water network construction (D/503/1162)
MUNC13C	Install water mains up to 150mm nominal bore or 180mm polyethylene (K/503/1164)

### Distribution Pathway: Mandatory Units – *all learners must complete the following twelve mandatory units*

MUNC01	Create an efficient and effective environment in utilities network construction (R/503/0316)
MUNCW2	Maintain a safe and secure working environment in water network construction (D/503/1159)
MUNC03	Establish and maintain effective working relationships in utilities network construction (A/503/0665)
MUNC04	Install equipment for safe working on site for utilities network construction (A/503/0682)
MUNC05	Install equipment for safe working on site for utilities network construction (F/503/0683)

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## Distribution Pathway: Mandatory Units – *all learners must complete the following twelve mandatory units*

MUNC06	Locate and avoid supply apparatus for utilities network construction (J/503/0684)
MUNC07	Excavate and maintain holes and trenches for utilities network construction (L/503/0685)
MUNC09	Operate powered tools and equipment for routine and predictable requirements on utilities network construction (Y/503/0687)
MUNC10	Joint materials by electrofusion processes on utilities network construction (F/503/0666)
MUNC11A	Joint materials by butt fusion processes on utilities network construction, up to 180mm diameter (J/503/0667)
MUNC12	Joint materials by mechanical means on water network construction (D/503/1162)
MUNC13C	Install water mains up to 150mm nominal bore or 180mm polyethylene (K/503/1164)

## Additional Units – *learners may take the following units, but they do not contribute to the achievement of the full certificate.*

MUNC08	Reinstate excavation and pavement surfaces after utility network construction operations (R/503/0686)
MUNC11D	Joint materials by butt fusion processes between 180mm and 315mm for utilities network construction (Y/503/1161)
MUNC11C	Joint materials by butt fusion processes above 315mm for utilities network construction (R/503/1160)
MUNC13D	Install water mains from 150mm-300mm nominal bore or 180mm-315mm polyethylene (M/503/1165)
MUNC13F	Install water mains above 300mm nominal bore or 315mm polyethylene (T/503/1166)
MUNC14	Conduct pressure and soundness testing of water network engineering products or assets (A/503/1167)
MUNC18	Restore water network components to operational condition by repair (F/503/1168)