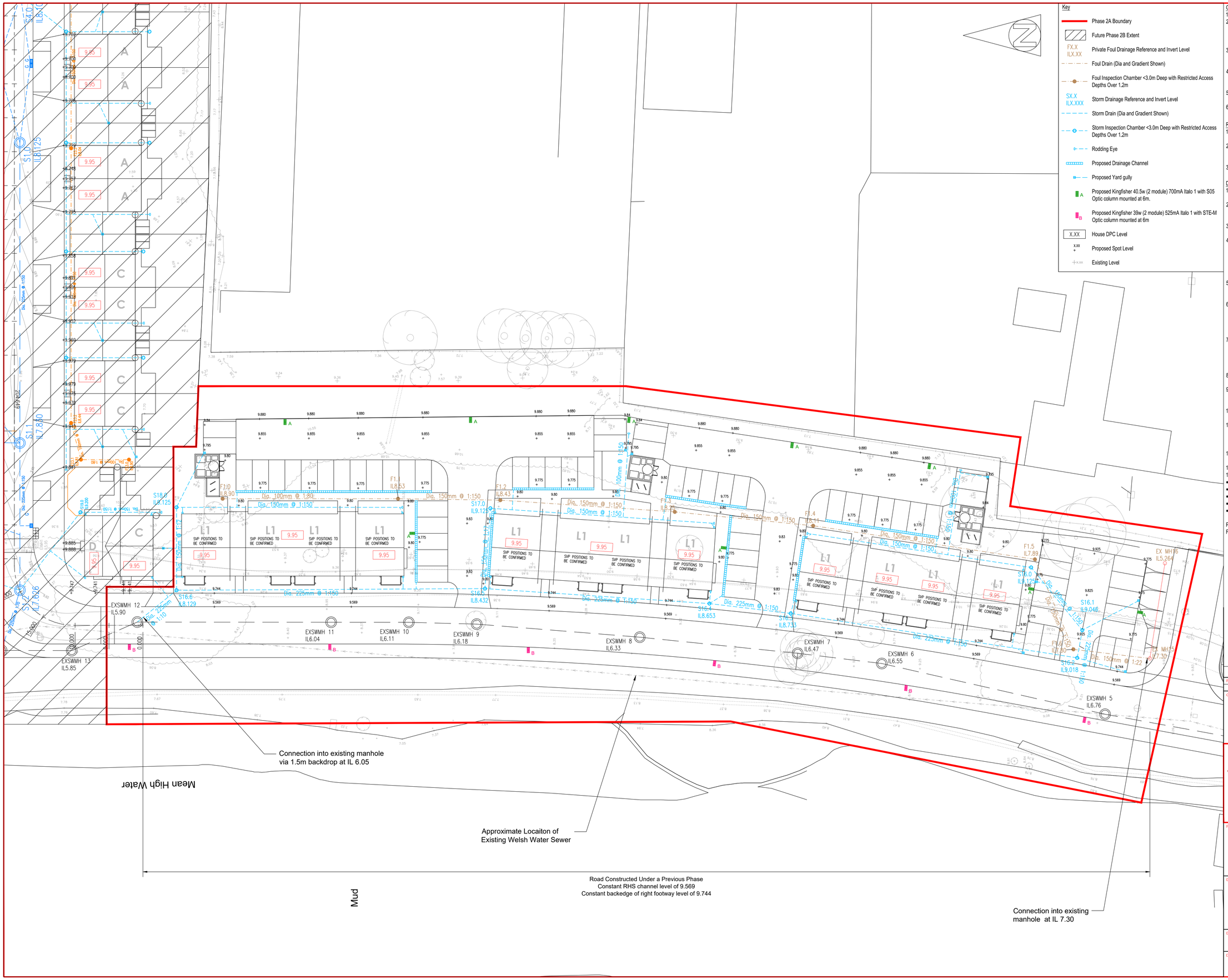

Key

- Phase 2A Boundary
- Future Phase 2B Extent
- FX.X ILX.XX — Private Foul Drainage Reference and Invert Level
- Foul Drain (Dia and Gradient Shown)
- Foul Inspection Chamber <3.0m Deep with Restricted Access Depths Over 1.2m
- SX.X ILX.XXX — Storm Drainage Reference and Invert Level
- Storm Drain (Dia and Gradient Shown)
- Storm Inspection Chamber <3.0m Deep with Restricted Access Depths Over 1.2m
- Rodding Eye
- Proposed Drainage Channel
- Proposed Yard gully
- A — Proposed Kingfisher 40.5w (2 module) 700mA Italo 1 with S05 Optic column mounted at 6m.
- B — Proposed Kingfisher 39w (2 module) 525mA Italo 1 with STE-M Optic column mounted at 6m
- X.XX — House DPC Level
- x.xx — Proposed Spot Level
- x.xx — Existing Level

GENERAL NOTES

1. Do Not Scale
2. The contractor is to check and verify all buildings and site dimensions and levels, including sewer invert levels, before works start on site. The contractor is to comply in all aspects with the current building legislation, British Standards, building regulations etc.
3. Positions of existing services/statutory undertakers apparatus adjacent to or crossing proposed excavations are to be checked by the contractor prior to starting work
4. This drawing is to be read in conjunction with and checked against all other drawings, Engineering Details, Specification and any structural, geotechnical or other specialist document provided.
5. Any anomaly or contradiction between any of the above is to be reported to Pobl Group.
6. This drawing is schematic for clarity only, positions of pipe runs and manholes may vary on site due to site conditions.

ROAD AND SEWER ADOPTION NOTES

1. All works for adoption under a Section 38 agreement shall be carried out to the approval of the Newport City Council.
2. All works for adoption under a Section 104 agreement shall be carried out to the National Water Council guide 'Sewers for Adoption' 7th edition and Dwr Cymru Welsh Water's requirements.
3. Streetlighting positions to be pegged on site and agreed by the Local Authority PRIOR to erection commencing.

DRAINAGE NOTES

1. All private drainage shall be in accordance with BS8301 and relevant sections of Approved Document H of the Building Regulations.
2. The contractor is to check the level of existing sewers being used as outfalls or crossing proposed drainage runs PRIOR to laying any pipes. Any discrepancies are to be reported to the Engineer
3. Private house drainage will be flexibly jointed plastic or clay pipework. Diameter 100mm unless shown otherwise.
4. All connections for House Drainage shall be 100mm unless noted otherwise and must extend 500mm behind the back of footway/homezone road. All connections when laid shall be plugged, protected as necessary and marked with a stake for future use. All drainage laterals from the adoptable drainage system to be 150mm dia. unless connecting to the head of a 100mm dia. FWS.
5. For private drains where cover to pipes is less than 900mm in vehicular areas or 600mm in other areas protection in the form of a 100mm thick concrete pad shall be provided over the pipe granular surround.
6. Where pipes pass through screen walls, footings or retaining walls lintels are to be provided over. Under buildings pipes shall be surrounded with 150mm thickness of granular material. Where drains pass within 1m of buildings the wall foundation shall be taken down below the invert of the pipe.
7. Where drains do not exceed 600mm deep, plastic or clay access fittings minimum diameter 225mm shall be used. Elsewhere proprietary plastic or precast concrete inspection chambers shall be used. Unless shown otherwise FW inspection chambers are to be 600mm below dpc level and SW chambers and rodding eyes to be 450mm below dpc.
8. All gullies and rainwater downpipes connected directly to drains are to be roddable.
9. House levels shown are dpc and adjacent garage floors are to be 150mm lower unless shown otherwise. Levels at drainage access points are inverts.
10. Where possible, drainage runs should be laid at a minimum of 3.0m form the rear of properties where practical to allow for future extensions.
11. All drainage shall be laid upstream and each run between manholes shall be laid complete prior to backfilling. Where this is not practical trial holes or other means of identifying the line and level of services shall be carried out prior to works commencing.
12. All branch drains, or connections, are to discharge to the collectors obliquely, and in the direction of the main flow.
13. All low spots on hardstanding areas to have yard gullies/ACO.
14. Approved Dwr Cymru Welsh Water Plastic Pipe Systems are as follows:
    - Marley Twinwall System
    - Uponor Ultrarib System
    - Osma Ultrarib System
    - Polysewer Twinwall System
    - Polypipes - Rigisewer (400mm-600mm and 750mm-900mm)

Please note that the installer must be accredited with The British Plastics Federation (BPF),

REV.	DATE	DETAILS	BY.	CHK.
A	Oct'18	Changes Made following comments from Engie. Street Lighting updated to show latest layout from Kingfisher	CD	SJD

AMENDMENTS

CLIENT: engie / pobl

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PROJECT:
POBL / Engie
Herbert Road, Newport
Newport

DRAWING TITLE:
Engineering Layout
Phase 2A

DRAWN:	CHK:	STATUS:	SCALE:
CD	SJD	Tender	1:250 @ A1

DATE:	JOB NO.	DRG. NO.	REV.
Sep'18	1795	101	A