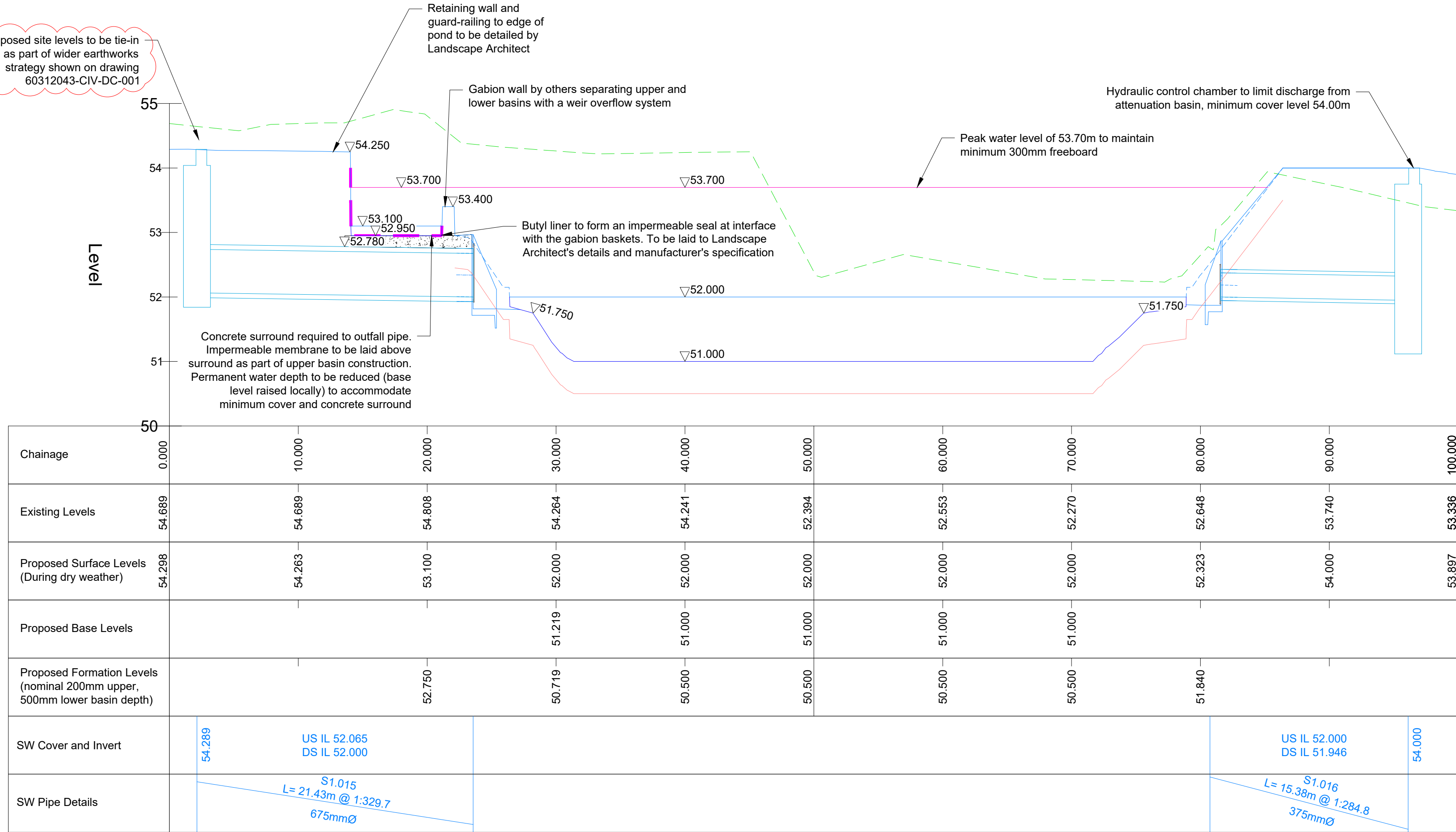
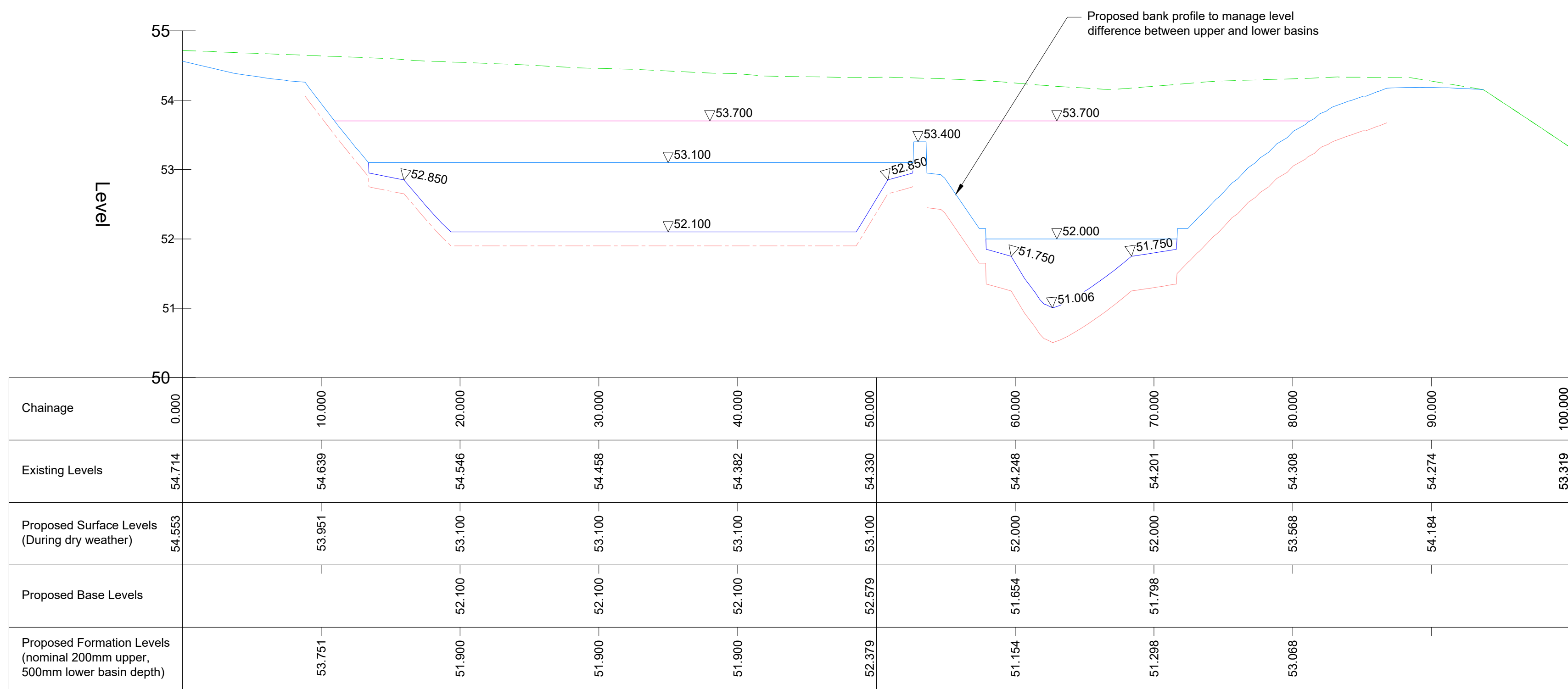
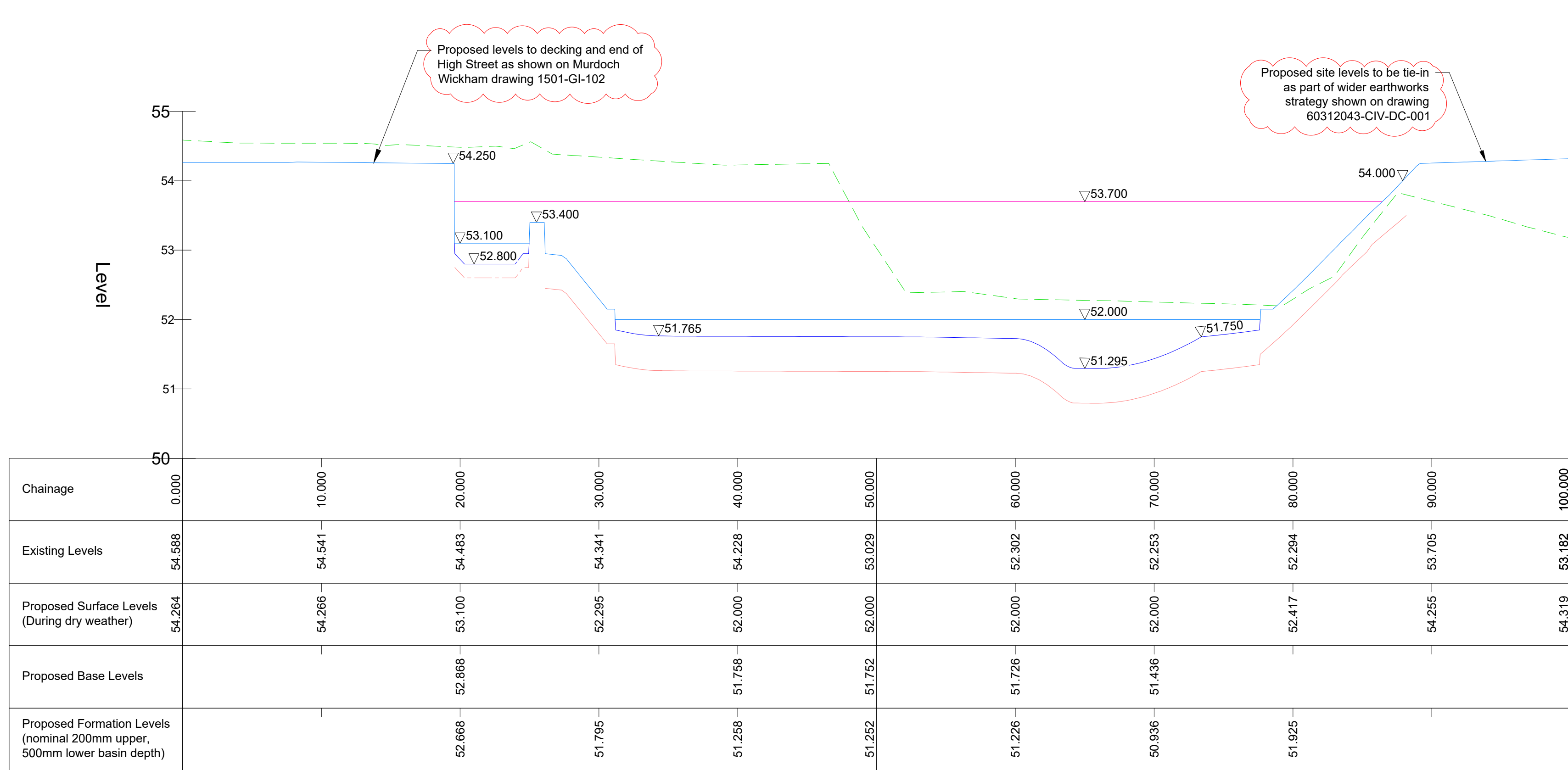




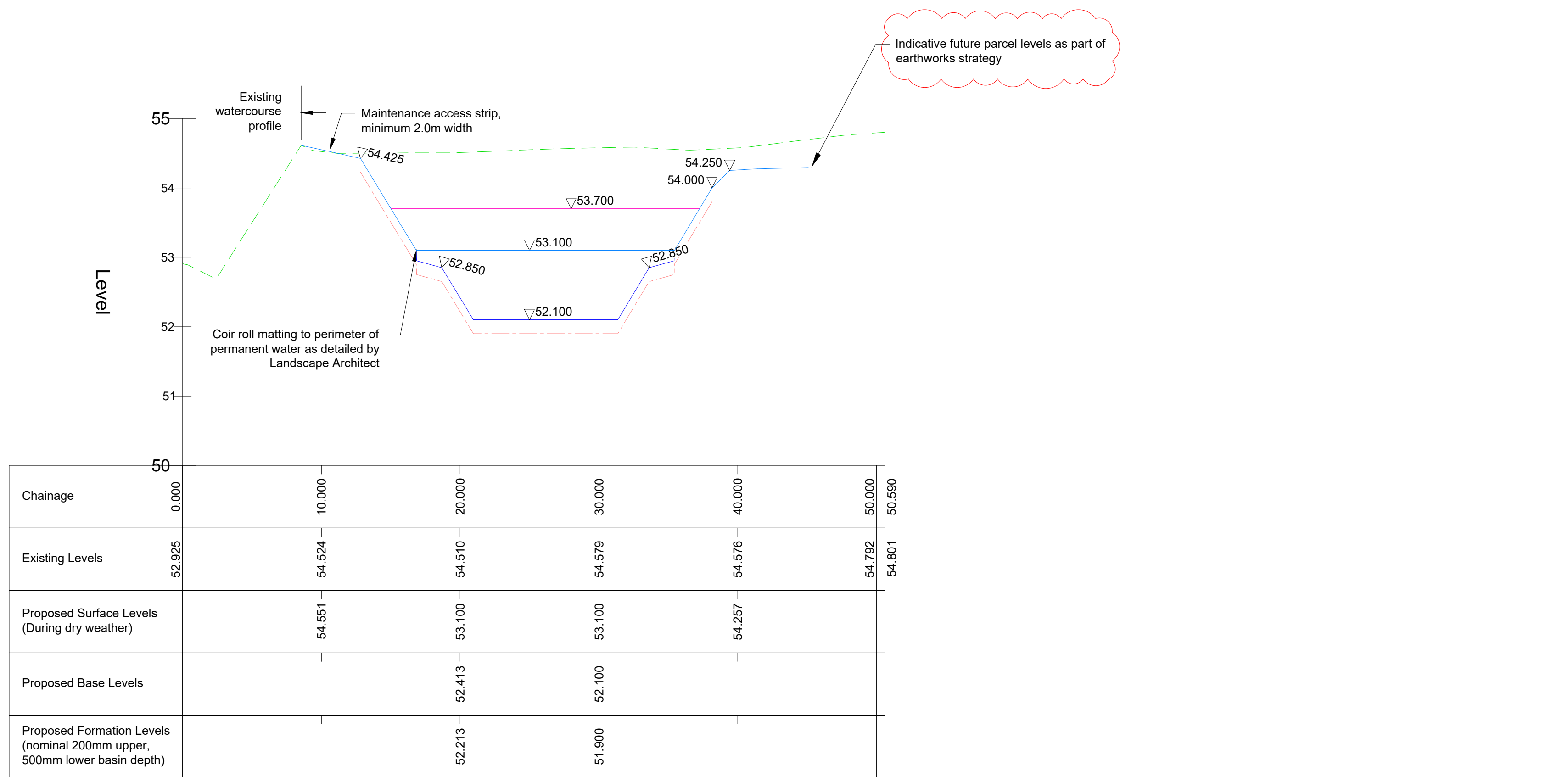
DISTRICT CENTRE - ATTENUATION BASIN - SECTION 01 - LONGSECTION
SCALE: H 1:250,V 1:50. DATUM: 50.000



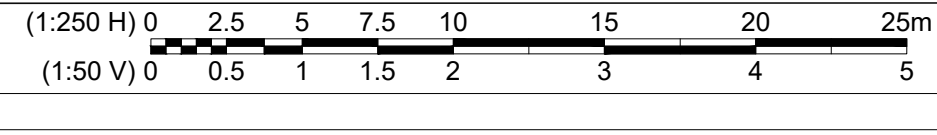
DISTRICT CENTRE - ATTENUATION BASIN - SECTION 02 - LONGSECTION
SCALE: H 1:250,V 1:50. DATUM: 50.000



DISTRICT CENTRE - ATTENUATION BASIN - SECTION 03 - LONGSECTION
SCALE: H 1:250,V 1:50. DATUM: 50.000



DISTRICT CENTRE - ATTENUATION BASIN - SECTION 04 - LONGSECTION
SCALE: H 1:250,V 1:50. DATUM: 50.000



Upstream IL's and downstream IL's are indicated in the order of section chainages, and are in the order of fall within the drainage network.

Scale: 1:250H 1:50V @ A0

- Existing Ground Level
- Proposed Finished Surface Profile, Including Permanent Water Level
- Indicative Proposed Finished Level Profile of Parcel
- Proposed Base Earthwork Profile of Permanent Water
- Peak Design Water Level (1:100yr + 40% CC storm)
- Proposed Formation Level Profile to be Overlain with Butyl Liner and Topsoil, to Landscape Architect's Detail, Nominal 200mm
- Proposed Formation Level Profile to be Overlain with Puddle Clay Liner and Topsoil, to Landscape Architect's Detail, Nominal 200mm
- Proposed Surface Water Drainage S104
- Indicative Butyl Liner to concrete surround, to be laid to Landscape Architect's detail

- This drawing is not to be scaled.
- All errors and omissions are to be reported to the engineer for clarification.
- All works must comply with current health and safety standards.
- The Contractor is to undertake all necessary investigative works to confirm the status, size, position, depths of the existing drainage network prior to the commencement of the works. The Engineer is to be notified of any omissions or variations.
- Location of existing services and utilities to be confirmed prior to construction works commencing.
- All levels are shown in m AOD.
- Drainage design subject to S104 approval.
- Highway design subject to S38 approval.
- Attenuation basin to be maintained by a private management company to be appointed by the land owner.
- Inlet and outlet headwalls connected to the main drainage routes to be adopted under a S104 agreement to be undertaken by the relevant authority.
- Pond landscaping to be in accordance with Landscape Architect's drawings 1501-GI-101 & 1501-GI-102.
- Base profile of permanent water depth to Landscape Architect's requirements. Maximum 1.0m depth, with 1.8m nominal width shallow regeneration zone to perimeter of main basins.
- Pond puddle clay liner construction to be in accordance with AECOM S104 standard details drawing 60312043-CIV-DC-3001. Butyl liner to be as specified by Landscape Architect, with installation to be in accordance with manufacturer's guidance and specification.
- Allowances have been made within the earthwork volume as follows:
 - No topsoil strip due to stockpiling of material
 - For the upper basin (butyl lining)
 - 200mm allowance for topsoil to support landscaping of basin
 - For the lower basin (puddle clay lining)
 - 350mm allowance for the provision of the puddle clay liner
 - 150mm allowance for topsoil to support landscaping of basin
- Butyl liner to form an impermeable seal at all interfaces with the gabion baskets (or similar as agreed). To be laid to the Landscape Architect's details and manufacturer's specification.
- Coin roll matting to be installed along the entire perimeter of permanent water, with exceptions for headwalls, as detailed by the Landscape Architect.
- Retaining wall and guard-railing to be provided along the southern edge of the pond, as detailed by the Landscape Architect.

Rev	Date	Detail	Issue	Drawn	Check	App'd
P102	02.06.25		Pond ownership amended. Clarifications added to level tie-ins to top of basin.	DM	MBB	MBB
P01	02.09.24		Pond layout.	RA	DM	CLP