

- Single leaf lockable steel gate 1430 wide x 1150 high galvanised to BS EN ISO 1461 with drop bolt and slide latch

Vertical mild steel post 150 square hollow section 1500 high with cast pyramidal cap fixed to top

- Reinforced C40/50 concrete wing wall 300 wide x 1200 length x 3200 high

- Reinforced C40/50 concrete stairs with 200 risings and 260 goings

- Reinforced C40/50 concrete external stairs with 200 risings and 260 goings to access headwall base level

- Reinforced C40/50 concrete wing wall 300 wide x 5100 length x 3200 high. Can be fitted with guardrail if required

-1000 wide concrete access stairs for maintenance access

A 🛦

900 wide x 1800 height lockable gate through screen to enable access for future maintenance

Scour protection shown indicatively, details to be confirmed as part of DD2

> Single leaf lockable steel gate 1430 wide x 1150 high galvanised to BS EN ISO 1461 with drop bolt and slide latch

Vertical mild steel post 150mm square hollow section 1500mm high with cast pyramidal cap fixed to top

Security screen omitted for clarity on Section A-A



- Reinforced C40/50 concrete external stairs with 200 risings and 260 goings to access headwall base level

Notes:

1.	All levels are shown in metres Above Ordnance Datum (Newlyn)
	unless stated otherwise.

- 2. All dimensions are in millimetres unless stated otherwise. 3. All works shall be carried out in accordance with the latest
- Environment Agency Kendal FRMS Phase 1 ECC Works Information Document. 4. Davit sockets to be REID TDavit Winched, Beam Option 3, Position
- A and Column Option 2. Minimum working load limit to be 375kg, maximum reach to be 1.60m from socket and lift height 1.00m. 5. All proprietary concrete products shall be designed for a minimum design life of 100 years.
- 6. For location of outfall, refer to
- ENV0000489C-JAC-ZZ-4E3-DR-C-0104 General Site Layout 7. For structural details, refer to ENV0000489C-JAC-ZZ-4E3-DR-S-0305
- SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION Significant and or unusual hazard information is listed below, to be read with the master hazard elimination and risk reduction register (DHERR) document number ENV0000489C-JAC-ZZ-4E3-RA-C-0002. Construction Existing underground utilities LP gas mains Excavation near United Utilities cast iron water main Working within flood risk area 5 Falls from height 10 Explosion/ exposure to harmful gasses due to mechanical 11 equipment Service strike/damage to UU cast iron water main 22 Carcinogenic PAHs present in existing ground 23 25 Structural instability of cover slab during removal of L shaped wal 26 Risk of flotation of the existing underpass chamber Structural damage to St George's Church and boundary wall 61 63 Stability, deterioration and damage to existing Kent River bank Operation and Maintenance Working within flood risk area Maintained works near watercourse Slips, trips, and falls during hours of darkness Falls from height 10 11 Explosion/ exposure to harmful gasses due to mechanical equipment 28 Water ingress and electrocution during flood event (pumping plant partial /full failure) Access to chamber by portable ladder 42 Failure of M8 eye bolts used as ladder ties 58 60 Power outage during peak flood event. 64 Live flows in overflow chamber **Decommissioning/ Demolition** Existing underground utilities 10 Falls from height 15 Risk of existing asbestos 16 Abandonment of existing services 22 Service strike/damage to UU cast iron water main Carcinogenic PAHs present in existing ground 23 Environment 23 Water pollution due to PAHs present in existing ground 62 Damage to tree and roots - which have Tree Preservation Orders CAE LM PHC EM P01 20/12/2021 Initial for client review Rev Rev. Date Drawn Checkd Rev'd Apprv' Purpose of revision European Union European Regional Development Fund Jacobs 5 First Street, Manchester, M15 4GU Tel: +44 (0) 161 235 6000 Fax: +44(0)161 235 6001 www.jacobs.com Client Environment Agency Project **KENDAL FLOOD MANAGEMENT SCHEME 1**

Drawing title Stock Beck Pumping Station **Outfall Plan, Elevation** and Section

Drawing status				
S3				
Scale	1:50 (@A1)	DO NOT SO	CALE	
Jacobs No.	B228P023			
Client no.	ENV0000489C			
Drawing number				
ENV0000489C-JAC-ZZ-4E3-DR-C-0304 P01				
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Security screen with 12x75 flat bars at 150 centres and 150 gap beneath bottom cross beam. Screen to be fixed at 60 degrees to horizontal. Screen, fixings and bracing

> Scour protection measures omitted for clarity, to be confirmed as part of DD2