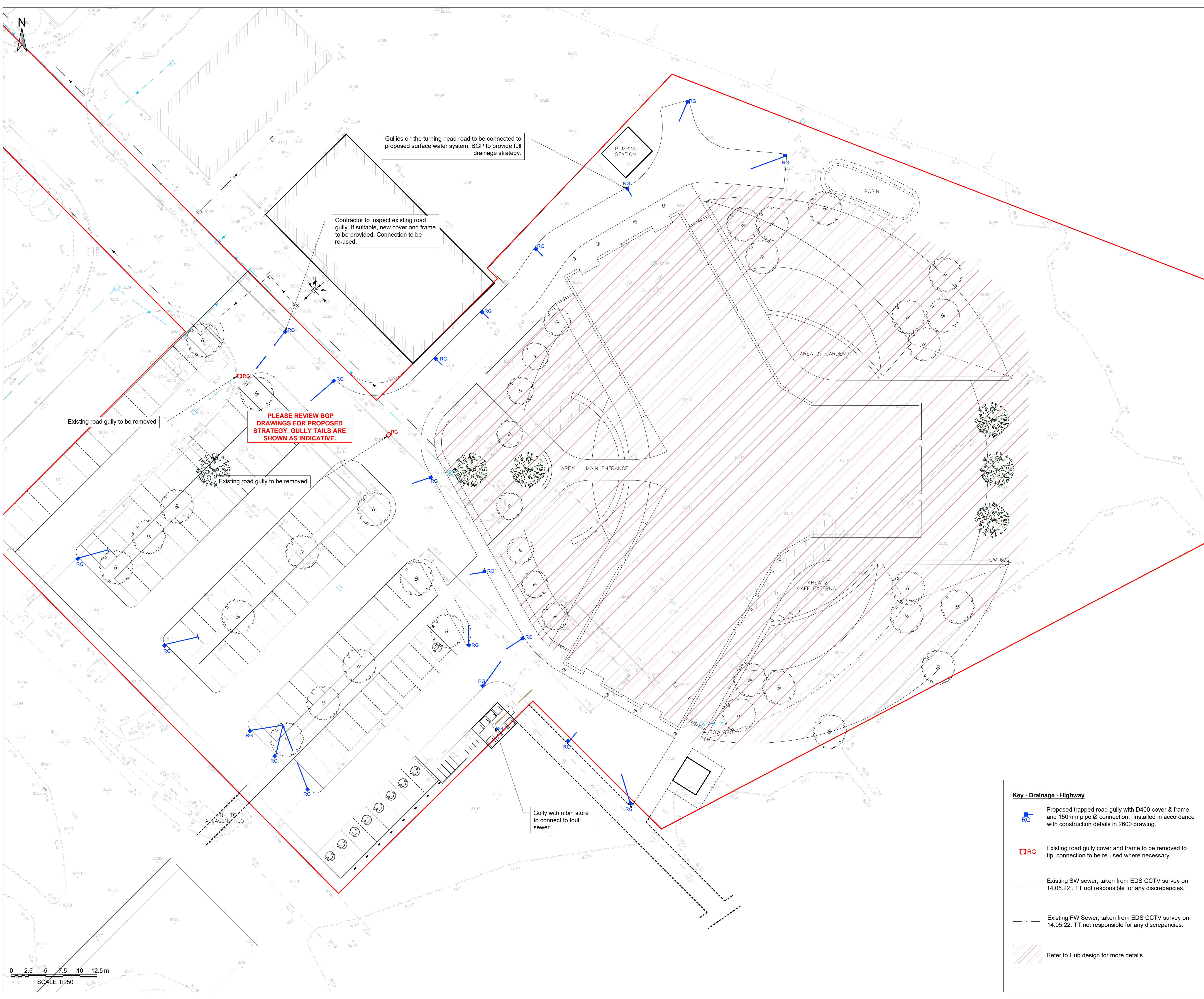




- Notes - Drainage General**
- Drawing to be read in conjunction with Series 500 of Cumberland Councils specification for highway works.
 - For construction details refer to drawing 2600
- Inspections**
- The contractor is to provide a CCTV survey of any highway sewers on completion of the 12-month maintenance period. This is to be provided in accordance with the requirements of the local water and highways authorities.
- Manhole, Chambers and Gullies**
- Manhole covers and frames shall comply with the relevant provisions of BS EN 124, BS 7903 and Highways England guidance document CD534.
 - As a minimum, class D400 covers shall be used in carriageways of roads (including pedestrian streets), hard shoulders and parking areas used for all types of road vehicles.
 - Contractor to ensure that gully's are positioned at low points.
- Connections**
- Contractor to verify existing gully connections locations prior to works commencing.
 - All levels shown are in metres.
 - Invert levels of all existing chambers and connection points are to be confirmed and engineer advised prior to commencement of any Drainage Works.
 - Where proposed sewers connect into existing sewers, the existing sewers must be checked for line, level and condition preferably by a CCTV survey.
 - Concrete bed and surround is required to all gully leads and to all pipes in highways/hardstanding where cover to pipe <1200mm
 - All pipes to be either extra strength V.C. to BS 85 or PVC certified to WIS 4-35-01 and BS/EN13476 'UPONOR ULTRARIB' or concrete pipes Class 120 to BS/EN 1916/BS5911-1 2002.
 - Existing sewer positions are indicative and are not to be used in conjunction with design. Contractor to confirm location.
 - Contractor is responsible for positioning MHs so they do not compromise line or level of kerbing or other delineation at the juncture of two surface materials.
 - Cover levels shown are indicative and may vary on site. The contractor should adjust levels to suit site conditions
 - Other services are not shown on this drawing, however their presence must be anticipated. The contractor is to confirm prior to commencing any works, the location and depth of all services that may affect the works the manufacturers requirements and recommendations.
 - All Information provided is for planning purposes only and should not be relied upon for either costing or construction.
 - All drainage outfall levels are to be investigated and confirmed prior to detailed design. Engineer to be informed of findings. Current design shown is indicative.
 - All Surface water discharge rates and methods of discharge are to be agreed with the Lead Local Flood Authority and Environment Agency.

FOR PROPOSED DRAINAGE STRATEGY PLEASE REFER TO BGP DRAWINGS FOR FURTHER DETAILS.

FOR APPROVAL

P03	RIBA STAGE 4 - ISSUE FOR STAGE APPROVAL	20.09.2024	LJB	MB	LB
P02	MS AND RSA COMMENTS INCORPORATED	28.07.2023	LJB	MB	LB
P01	PRELIMINARY FIRST ISSUE	16.06.2023	LJB	MB	LB
Rev.	Description	Date	Dim / Csk / App		

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**TETRA TECH**

Client
CUMBERLAND COUNCIL

Project Name
CLEATOR MOOR INNOVATION QUARTER (CMIQ) HUB

Sheet Title
**STAGE 4
PROPOSED HIGHWAY DRAINAGE PLAN**

TTE Project Number	Drawn By	Date	Checked By	Date	Approved By	Date	Scale @ A1	Suitability
784-8034942	LJB	May'23	MB	May'23	LB	May'23	1:250	S4

Client Project Number	Originator	Volume/System Level/Location	Type/Code	Role	Number	Revision	
CMIQ	- TTE	- HUB	- ZZ	- DR	- H	- 0500	P03

- Key - Drainage - Highway**
-  Proposed trapped road gully with D400 cover & frame and 150mm pipe Ø connection. Installed in accordance with construction details in 2600 drawing.
 -  Existing road gully cover and frame to be removed to tip, connection to be re-used where necessary.
 -  Existing SW sewer, taken from EDS CCTV survey on 14.05.22. TT not responsible for any discrepancies.
 -  Existing FW Sewer, taken from EDS CCTV survey on 14.05.22. TT not responsible for any discrepancies.
 -  Refer to Hub design for more details