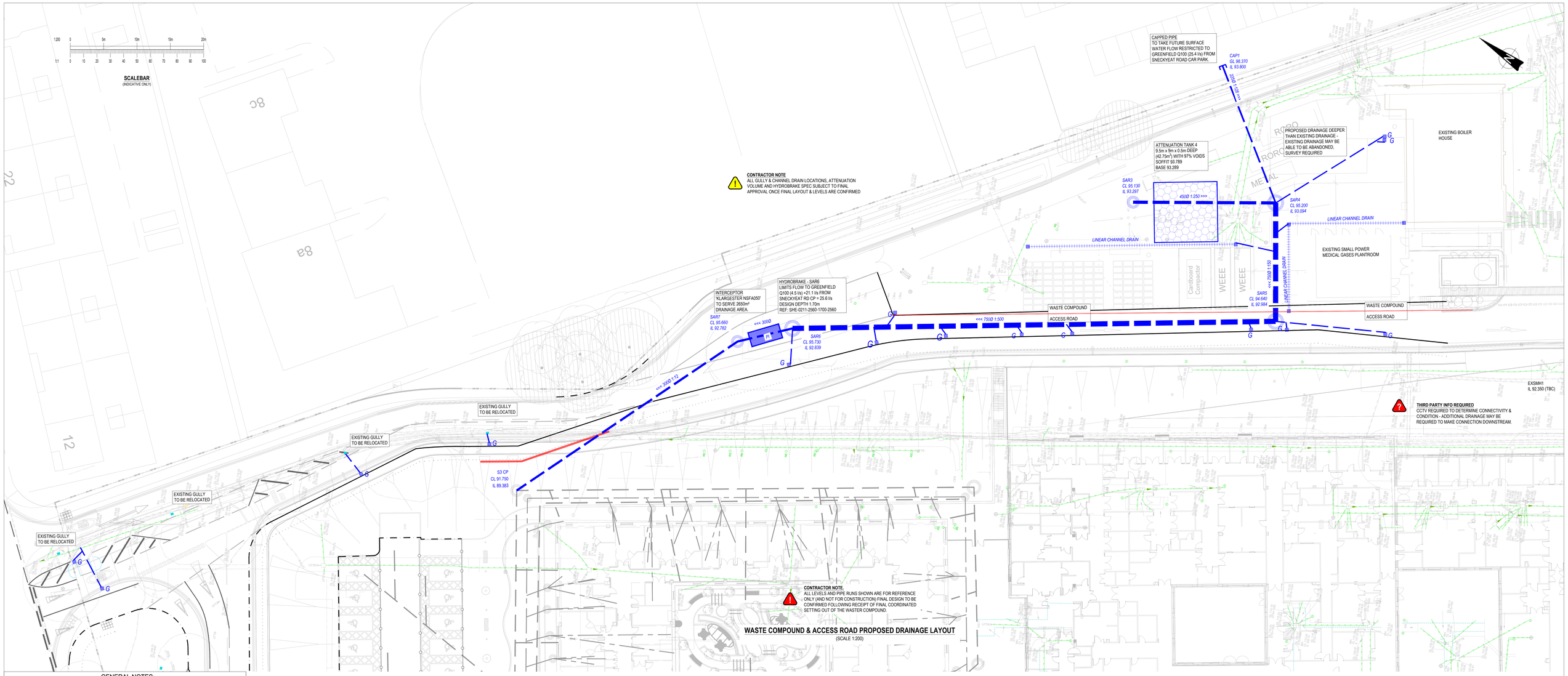
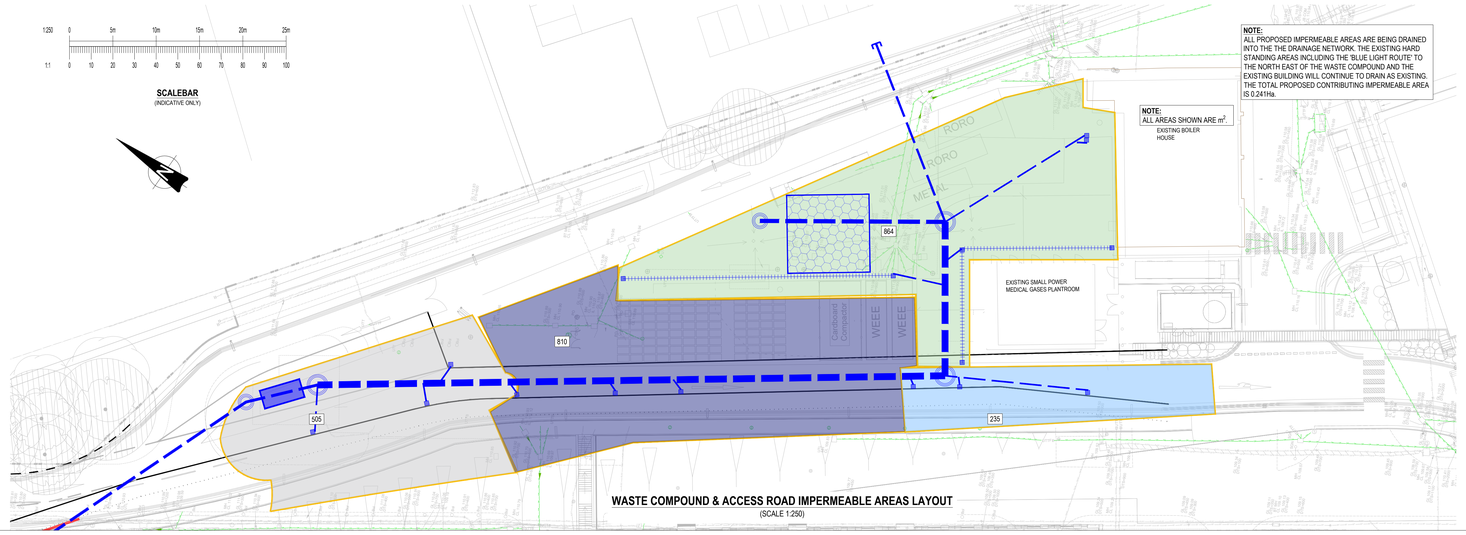


WASTE COMPOUND & ACCESS ROAD PROPOSED DRAINAGE LAYOUT

(SCALE 1:200)

GENERAL NOTES:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
2. DO NOT SCALE THIS DRAWING. ANY AMBIGUITIES, OMISSIONS AND ERRORS ON DRAWINGS SHALL BE BROUGHT TO THE ENGINEERS ATTENTION IMMEDIATELY. ALL DIMENSIONS MUST BE CHECKED / VERIFIED ON SITE.
3. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
4. FOR GENERAL NOTES REFER TO DRAWING.
5. ALL DRAINAGE WORK TO BE IN ACCORDANCE WITH CURTINS' DRAINAGE SPECIFICATION, BS EN 752, THE BUILDING REGULATIONS AND TO THE SATISFACTION OF THE BUILDING INSPECTOR.
6. ALL PROPRIETARY ITEMS ARE TO BE INSTALLED STRICTLY IN ACCORDANCE WITH MANUFACTURER'S DETAILS, INSTRUCTIONS & SPECIFICATIONS.
7. ALL EXISTING DRAINS AND SERVICES (LINE AND LEVELS) TO BE CHECKED BY THE CONTRACTOR ON SITE PRIOR TO FINALISING NEW DRAINAGE LINES AND LEVELS.
8. ALL COVER LEVELS ARE APPROXIMATE. EXACT LEVELS TO BE DETERMINED FROM THE EXTERNAL WORKS LAYOUT.
9. INVERT LEVELS QUOTED AT MANHOLES AND INSPECTION CHAMBERS ARE THOSE OF THE LARGEST CONNECTED PIPE DIAMETER. PIPES AT CHAMBERS TO BE LAID WITH SOFFITS LEVEL UNLESS NOTED OTHERWISE.
10. PIPE GRADIENTS WHERE STATED ARE APPROXIMATE.
11. PIPES AND FITTINGS TO BE:
    - CONCRETE PIPES AND ANCILLARY PRODUCTS TO BS 5911-1:2002+AR:2010 AND BS EN 1916:2002.
    - VITRIFIED CLAY PIPES AND FITTINGS TO BS EN 295:2013 (ALL PARTS).
    - PLASTIC PIPES FOR LAND DRAINAGE TO BS 4962:1982.
    - PLASTIC PIPING SYSTEMS FOR NON-PRESSURE UNDERGROUND DRAINAGE AND SEWAGE TO BS EN 1401 & BS 4660 – SOLID WALL ONLY, STRUCTURED WALL PIPES ARE NOT ACCEPTABLE FOR USE IN DRAINAGE SYSTEMS UNLESS AGREED.
    - PRECAST CONCRETE MANHOLE UNITS TO BS EN 1917:2002.
    - PLASTIC INSPECTION CHAMBERS FOR DRAINS AND SEWERS TO BS EN 13598-1:2010.
    - GULLY AND MANHOLE TOPS FOR VEHICULAR AND PEDESTRIAN AREAS TO BS EN 124:1994.
    - DRAINAGE CHANNELS FOR VEHICULAR AND PEDESTRIAN AREAS TO BS EN 1433:2002.
10. ALL MANHOLE COVERS, ROAD GULLY COVERS AND FRAMES TO COMPLY WITH BS EN124 NON-ROCKING TYPE.
    UNLESS NOTED OTHERWISE USE:
    CLASS A15 AREAS INACCESSIBLE TO VEHICLES, ACCESSED ONLY BY PEDESTRIANS AND PEDAL CYCLISTS.
    CLASS B125 FOOTPATHS, FOOTWAYS, PEDESTRIAN AREAS WITH ONLY OCCASIONAL LIGHT VEHICULAR ACCESS INCLUDING DOMESTIC DRIVEWAYS & SMALL CAR PARKS.
    CLASS C250 GULLY TOPS IN CARRIAGEWAY WITHIN 500mm OF KERB AND UP TO 200mm INTO THE FOOTWAY.
    CLASS D400 CARRIAGEWAYS, HARD SHOULDERS, PARKING AREAS AND PEDESTRIAN AREAS ACCESSED BY ALL TYPES OF VEHICLES.
    CLASS E600 AREAS IMPOSING HIGH WHEEL LOADS SUCH AS INDUSTRIAL ESTATES AND SERVICE YARDS.
11. PIPE BEDDING
    USE CLASS S BEDDING UNLESS NOTED OTHERWISE. NB PROTECT AGAINST CONSTRUCTION TRAFFIC AS NECESSARY
    USE CLASS Z CONCRETE BED & SURROUND OR CONCRETE SLAB PROTECTION AS FOLLOWS:
    - 100 - 300Ø PIPES (PLASTIC)
    - FIELDS AND GARDENS - LESS THAN 600mm COVER TO CROWN.
    - ROADS - LESS THAN 900mm COVER TO CROWN
12. MAIN BACKFILL TO BE WELL COMPACTED IN 150mm LAYERS OF:
    SELECTED BACKFILL MATERIAL IN ALL SOFT LANDSCAPED AREAS
    TYPE 1 GRANULAR MATERIAL IN ALL HARDSTANDING AREAS & PUBLIC HIGHWAYS.
13. PIPE SIZES ARE INDICATIVE, TO BE CONFIRMED AT DETAILED DESIGN.
14. DISCHARGE RATE TO CONFIRMED.
15. INVERT LEVELS TO BE CONFIRMED UPON RECEIPT OF LEVELS OF EXISTING SEWER IN ROAD.
16. ALL LEVELS & DRAINAGE TO BE CONFIRMED FOLLOWING RECEIPT OF APPROVED COORDINATED LAYOUT.



WASTE COMPOUND & ACCESS ROAD IMPERMEABLE AREAS LAYOUT

(SCALE 1:250)

DRAIN AGE STRATEGY:

THE SITE SURFACE WATER DRAINAGE IS SPLIT INTO 2 NETWORKS, DISCHARGING TO 2 EXISTING MANHOLES.

ONE NETWORK SERVES THE PHASE 2 WORKS, INCLUDING THE EXTERNAL HARD LANDSCAPING AND CAR PARKING. THIS SURFACE WATER DRAINS TO AN EXISTING SURFACE WATER MANHOLE THAT SERVED THE EXISTING BUILDING AND IS CIRCA 4m DEEP.

THE SECOND NETWORK SERVES THE ACCESS ROAD AND WASTE COMPOUND. THIS NETWORK DRAINS TO AN EXISTING SURFACE WATER MANHOLE THAT CURRENTLY SERVES THE BUILDING AND HARD-LANDSCAPING IN THAT AREA.
THESE WORKS WILL ALSO BE PHASE WITH THE ACCESS ROAD BEING CONSTRUCTED FIRST AND THE WASTE COMPOUND FOLLOWING AFTER.

BOTH NETWORKS HAVE BEEN DESIGNED SO THAT THE FIRST PORTION OF WORKS WILL BE ABLE TO DRAIN AND HAVE AN ALLOWANCE FOR THE SECOND PHASE TO CONNECT INTO IT.

THE DISCHARGE RATE FOR BOTH OF THE NETWORKS ARE RESTRICTED TO GREENFIELD Q100 RATE OF 18.66l/s/Ha. THE RATES SHOWN ARE BASED UPON THE PROPOSED CONTRIBUTING AREA.

THE FIRST PHASE OF BOTH WORKS INCLUDE THE FLOW CONTROL DEVICE, RATED FOR BOTH PHASES CONTRIBUTING AREA, AND AN ATTENUATION TANK SIZED TO HOLD THE RUN OFF FROM THE 1 IN 100 YR +40% CLIMATE CHANGE EVENT FOR THE FIRST PHASE OF THE WORKS. THE SECOND PHASE OF TEACH NETWORK WILL THEN CONNECT INTO THIS AND ADDITIONAL ATTENUATION PROVIDED TO STORE THE ADDITIONAL SURFACE WATER RUN OFF.

PERMEABLE SURFACING HAS BEEN SPECIFIED WITHIN THE PARKING BAYS ON PHASE 2 & 2B TO MITIGATE THE POLLUTION FROM THE CAR PARK. AN INTERCEPTOR HAS BEEN SHOWN FOR THE WASTE COMPOUND & ACCESS ROAD, WHICH WILL BE SIZED AT DETAILED DESIGN.

LEGEND:

- PROPOSED SURFACE WATER SEWER
- PROPOSED OIL INTERCEPTOR (PI)
- PROPOSED ATTENUATION TANK
- PROPOSED LINEAR DRAINAGE CHANNEL
- PROPOSED GULLY
- EXISTING PRIVATE DRAINGE

Rev:	Description:	Date:	By:	Chkd:
P04	REVISED SURFACE WATER OUTFALL.	01/10/21	AMB	PT
P03	SITE ACCESS AND EXISTING GULLIES ADDED	24/06/21	DM	PT
P02	DRAWING TITLE UPDATED, IMPERMEABLE AREAS ADDED & DRAINAGE AMENDED TO ALLOW FOR PHASING OF WORKS.	18/06/21	DM	PT
P01	FIRST ISSUE	28/05/21	DM	PT

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Status: ISSUED FOR INFORMATION — S2

Client: GRAHAM

Project: PROCURE — WEST CUMBERLAND HOSPITAL PHASE 2 DEVELOPMENT

Drg Title: WASTE COMPOUND & ACCESS ROAD DRAINAGE LAYOUT

Project No:	Size:	Date:	Drawn By:	Designed By:	Checked By:
072419	A0 Scale: 1:200	MAY 21	DM	DM	PT

Project Code: WCHPH2- Originator: CUR - Zone: VV - Level: XX - Type: DR - Discipline: C - Category / Number: 92002 - Rev: P04

WCHPH2-CUR-VV-XX-DR-C-92002-P04 - Waste Compound and Access Road Drainage Layout.dwg