

ATTENUATION TANKS SHALL BE DESIGNED SPECIFICALLY FOR ITS PURPOSE AND LOCATION.
ATTENUATION DESIGN AND DRAWINGS SHALL BE PROVIDED TO THE ENGINEER FOR COMMENT.
ATTENUATION TANKS SHALL NOT BE ORDERED OR INSTALLED PRIOR TO THE ENGINEER REVIEWING / COMMENTING ON THE DESIGN AND DRAWINGS.
THE CONTRACTOR SHALL ALLOW ADEQUATE TIME WITHIN THEIR PROGRAMME FOR ANY APPROVALS OF ATTENUATION TANKS WHERE THEY ARE LOCATED WITHIN THE INFLUENCE ZONE OF AN ADOPTED HIGHWAY.
HAPAS APPROVED (HIGHWAY AUTHORITY PRODUCT APPROVAL SCHEME) TANKS MAY BE REQUIRED WHERE ATTENUATION TANKS ARE WITHIN THE INFLUENCE ZONE OF AN ADOPTED HIGHWAY.
THE CONTRACTOR SHALL ALLOW FOR LOCALISED DEEPENING OF ALL FOUNDATIONS TO STRUCTURES WITHIN THE INFLUENCE ZONE OF ATTENUATION TANKS.

PRIVATE SURFACE WATER DRAINAGE
D1.4 ALL PRIVATE SURFACE WATER DRAINAGE TO BE 100MM Ø AT 1:80 GRADIENT UNLESS NOTED OTHERWISE.
D1.5 ALL SURFACE WATER GULLEYS TO BE TRAPPED.
D1.6 ARCHITECT TO CONFIRM ALL RWP LOCATIONS PRIOR TO CONSTRUCTION.
ALL DRAINAGE UNDER VERGES WITH LESS THAN 1200mm OF COVER WILL REQUIRE 150mm THICK CONCRETE BED AND SURROUND.

GENERAL NOTES
A1.1 THIS DRAWING TO READ IN CONJUNCTION WITH ALL RELEVANT STRUCTURAL AND ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.
A1.2 ALL DIMENSIONS TO BE CHECKED ON SITE BY THE CONTRACTOR / FABRICATOR PRIOR TO COMMENCEMENT OF WORKS.
A1.3 ALL DIMENSIONS ARE IN METRES UNLESS STATED OTHERWISE.
A1.4 ALL WORKS TO BE CARRIED OUT IN STRICT ACCORDANCE WITH THE ENGINEERS' SPECIFICATIONS. RELEVANT BRITISH STANDARDS AND WHERE APPLICABLE LOCAL AUTHORITIES REQUIREMENTS.
A1.5 ALL MATERIALS TO BE MARKED WITH BSI KITE MARK WHERE APPLICABLE.

EXISTING SITE CONDITIONS

E1.1 THE DEVELOPER SHALL NOT COMMENCE ANY WORK WHICH AFFECTS THE PUBLIC HIGHWAY UNTIL ALL THE APPROVED TRAFFIC SAFETY AND MANAGEMENT MEASURES NECESSITATED BY THE WORKS ARE IN PLACE.
E1.2 THE DEVELOPER SHALL MAINTAIN ACCESS TO AND ALONG ALL EXISTING FOOTWAYS, PRIVATE ACCESSES, PUBLIC RIGHTS OF WAY AND PROPOSED CROSSINGS OF THE WORKS THROUGHOUT THE CONSTRUCTION PHASE.
E1.3 THE CONTRACTOR IS TO CONFIRM EXISTING ROAD LEVELS AT ALL PROPOSED JUNCTIONS BETWEEN NEW AND EXISTING ROAD CONSTRUCTION PRIOR TO COMMENCEMENT OF WORKS.

EXISTING SERVICES

E2.1 PRIOR TO CONSTRUCTION THE CONTRACTOR IS TO ENSURE THAT:
NO PROPOSED DRAINAGE CLASHES WITH ANY OF THE EXISTING SERVICES.
ANY NEW HIGHWAY WORKS DO NOT ADVERSELY AFFECT THE COVER TO EXISTING SERVICES BELOW THE RELEVANT MINIMUM COVER REQUIREMENTS.
THE CONTRACTOR IS TO ALLOW FOR THIS PROVISION WITHIN THE TENDER SUM.
E2.2 THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY APPROVAL FOR ANY SERVICE DIVERSIONS REQUIRED TO FACILITATE THE PROPOSED WORKS.
E2.3 THE CONTRACTOR SHALL CHECK ALL EXISTING COVER / INVERT LEVELS AND PIPE / SEWER SIZES ON SITE PRIOR TO START OF WORKS TO ENSURE PROPOSED DRAINAGE CAN BE CONSTRUCTED AS INDICATED ON THE DRAWING. ANY DISCREPANCIES TO BE REPORTED TO THE ENGINEER IMMEDIATELY.
E2.4 ALL GULLIES TO BE PROTECTED FROM SILT DURING THE CONSTRUCTION PROCESS WITH A LAYER OF HESSIAN SHEETING PLACED UNDER THE GULLY GRATING. THE HESSIAN SHALL BE CLEANED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD
E2.5 ALL LIVE CONNECTIONS IDENTIFIED IDENTIFIED IN THE CCTV SURVEY, MUST BE RE-PIPED TO ANY DIVERTED SEWERS.
E2.6 ANY LAND DRAIN OR WATERCOURSE ON SITE TO BE DIVERTED SO AS NOT TO PASS UNDER PROPOSED BUILDING. ANY DIVERSION TO BE INSPECTED ON SITE BY LOCAL AUTHORITY.

REDUNDANT DRAINAGE

E3.1 DRAINS OR SEWERS LESS THAN 1.5m DEEP WHICH ARE IN OPEN GROUND SHOULD AS FAR AS IS PRACTICABLE BE REMOVED. OTHER PIPES SHOULD BE SEALED AT BOTH ENDS AND AT ANY POINT OF CONNECTION, AND GROUT FILLED TO ENSURE THAT RATS CANNOT GAIN ACCESS.
E3.2 LARGER PIPES (225mm AND ABOVE) SHOULD BE GROUT FILLED TO PREVENT SUBSIDENCE OR DAMAGE TO BUILDINGS OR SERVICES IN THE EVENT OF COLLAPSE.

WHERE EXISTING CHAMBERS ARE TO BE REUSED:

E4.1 THE COVER AND INVERT LEVELS ARE REQUIRED TO CONFIRM THE DESIGN.
E4.2 ALLOW FOR REPLACING COVER AND FRAMES WHERE DAMAGED, MISSING, BURIED OR WHERE RECESSED COVERS ARE REQUIRED TO RECEIVE ARCHITECTS FINISHES.
E4.3 ALLOW FOR REPLACING THE EXISTING CHAMBER SUBJECT TO CONDITION OR THE REQUIREMENTS OF THE SEWERAGE UNDERTAKER.

P03	SITE PLAN UPDATED, RAIN GARDEN ADDED, OVERFLOW OUTLETS FROM RAINWATER GARDENS INDICATED ON PLAN.	07.03.25	CR	SB
P02	SCHEME REVISED - ATTENUATION SHOWN	14.02.25	CR	SB
P01	PRELIMINARY DRAWING - STAGE 3	04.12.24	CR	SB
Rev	Description	Date	By	Chkd

PRELIMINARY DRAWING



Client
ROCHDALE BOROUGH COUNCIL

Project
HEYWOOD CIVIC SQUARE
ROCHDALE

Drawing Title
PROPOSED DRAINAGE
ALTERATIONS

Date 04.12.24	Drawn By CR	Checked By SB
Scale at A1 1:100	Project Number 34242	Status Revision P03

Sheet Number
34242-SUT-ZZ-XX-DR-C-6201

DESIGN CONTINGENCY
FOR COST PURPOSES THE CONTRACTOR IS TO INCLUDE THE FOLLOWING CONTINGENCY (% OF PRIMARY CIVILS DESIGN COST) AT THE RELEVANT PROJECT STATUS INDICATED ON THE DRAWING.
S2 - CONCEPT DESIGN - 25%
S3 - SPATIAL COORDINATION - 15%
S4 - TECHNICAL DESIGN - 10%
A5 - PRODUCTION INFORMATION - 5%



ALLOW FOR ALL EXISTING ACCESS COVERS AND FRAMES TO BE RESET TO SUIT PROPOSED LEVELS.
RECESSED COVERS MAY BE REQUIRED.

EXISTING DRAINAGE KEY
--- EXTG SURFACE WATER
--- EXTG FOUL WATER SEWER
--- EXTG COMBINED SEWER
--- DRAINAGE ALTERATIONS AS PART OF THE HEYWOOD CIVIC CENTRE ALTERATION WORKS. REFER TO SUTCLIFFE DRAWING REF 33071-SUT-ZZ-XX-DR-C-6201

ABANDONED DRAINAGE KEY
- x - x - x - x - EXTG DRAINAGE TO BE ABANDONED

REFER TO NOTES E3.1 & E3.2 FOR METHODS OF ABANDONMENT.

PRIVATE DRAINAGE KEY
--- PRIVATE SW DRAINAGE
--- CHANNEL DRAINAGE WITH SUMP OUTFALL
--- PRIVATE SW PCC MH
--- PRIVATE SW FLOW CONTROL MH

PCC MH NOTES:

COVERS IN ALL TRAFFICKED AREAS (INCLUDING ANY AREAS WHERE MEWP ACCESS IS REQUIRED) TO RECEIVE D400 COVERS

PRIVATE SW PPIC

PPIC NOTES:

STANDARD PPIC SUITABLE FOR DEPTHS <1.2m DP
RANGE 450 PPIC MAX DEPTH 3m, MAX PIPE SIZE 150mm
RANGE 600 PPIC MAX DEPTH 3m, MAX PIPE SIZE 300mm
RESTRICTION ACCESS CAP TO BE INSTALLED LIMITING OPENING SIZE TO 350mm Ø WHERE DEPTH FROM COVER TO INVERT IS EQUAL OR GREATER THAN: 1.2m FOR CHAMBERS BUILT UNDER BUILDING REGS 1.0m FOR CHAMBERS BUILT UNDER DCO GUIDANCE
COVERS IN ALL TRAFFICKED AREAS (INCLUDING ANY AREAS WHERE MEWP ACCESS IS REQUIRED) TO RECEIVE D400 COVERS

