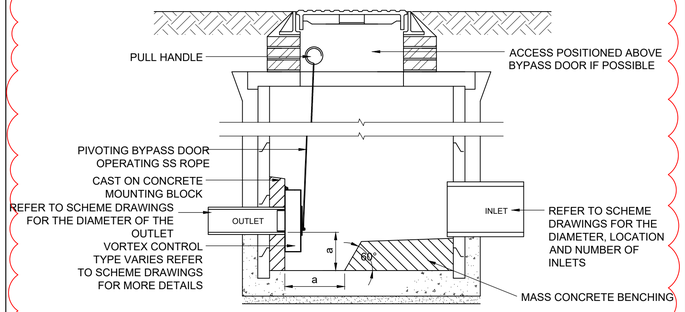
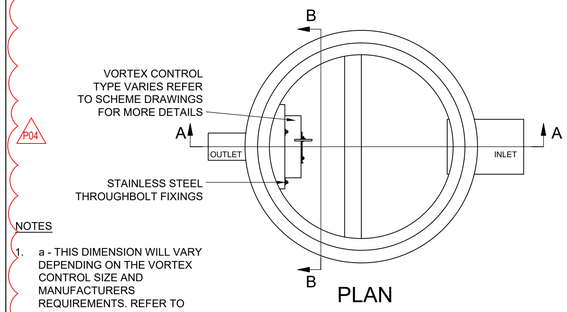
PROP SW & FW MANHOLE SCHEDULE

NAME	LOCATION	COVER LEVEL INVERT LEVEL SUMP DEPTH	DEPTH	TYPE SIZE	INCOMING PIPE DIA	INCOMING PIPE IL	OUTGOING PIPE DIA	OUTGOING PIPE IL
GS1	E= 384583.1952 N= 399223.2855	42.150 40.950 0.000	1.200	Type D Circular 450 mm	150	40.950	150	40.950
GS2	E= 384613.5061 N= 399186.0065	45.500 40.470 0.000	3.000	Type B 1200 mm	150	40.470	150	40.470
C01	E= 384616.7858 N= 399180.3804	45.560 40.405 0.000	3.000	Type B 1200 mm	150	40.405	150	41.838



SECTION A-A

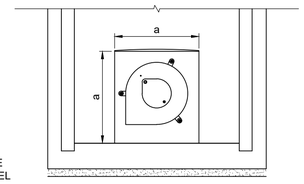


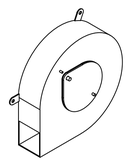
PLAN

NOTES

1. a - THIS DIMENSION WILL VARY DEPENDING ON THE VORTEX CONTROL SIZE AND MANUFACTURERS REQUIREMENTS. REFER TO SCHEME DRAWINGS FOR VORTEX CONTROL SIZE AND REFER TO CHOSEN MANFACTURERS PRODUCTS TO CONFIRM THE MANHOLE AND BENCHING REQUIREMENTS PRIOR TO CONSTRUCTION
2. LOAD AREAS ARE TO BE SUPPLIED TO THE DESIGN ENGINEER FOR THE CHOSEN VORTEX CONTROL, PRIOR TO PURCHASE AND CONSTRUCTION. THIS IS TO CONFIRM ITS FLOW CHARACTERISTIS MATCH THOSE USED IN THE CALCULATED MODEL FOR THE SCHEME FOR THE DEVELOPMENT

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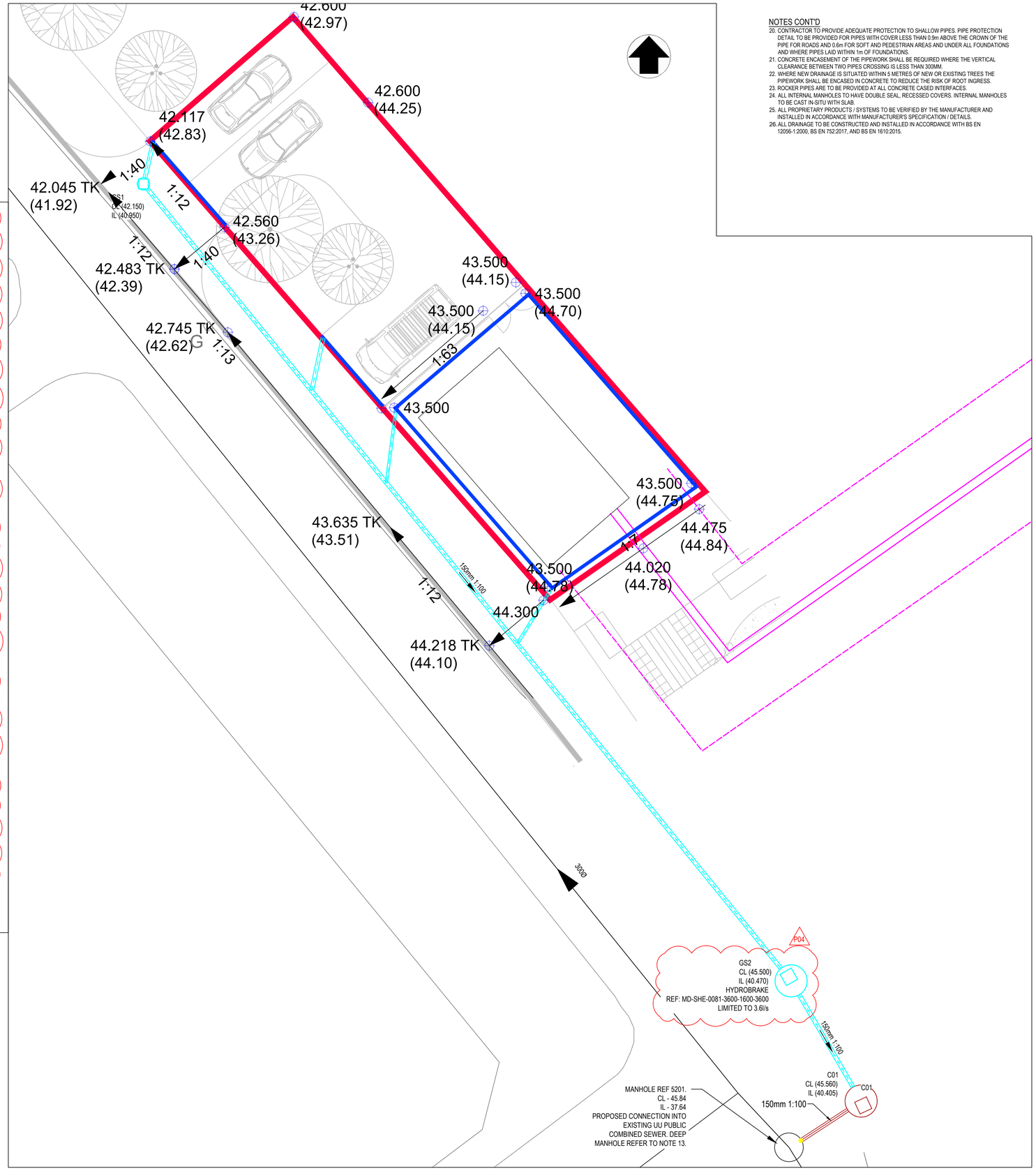




SECTION B-B
(VIEW ON MOUNTING BLOCK)

LEGEND

- SITE BOUNDARY LINE
- EXISTING COMBINED WATER DRAINAGE
- PROPOSED SURFACE WATER DRAIN / MANHOLE
- PROPOSED CHANNEL DRAIN
- PROPOSED FOUL WATER DRAIN / MANHOLE
- PROPOSED COMBINED WATER DRAIN / MANHOLE



P:\..\MRP3001012\RPCE\BIM\ZM\MODEL\GDS-BDP-ZZ-XX-DR-C-520011-P3_GOULD STREET DRAINAGE STRATEGY.DWG

NOTES CONT'D

20. CONTRACTOR TO PROVIDE ADEQUATE PROTECTION TO SHALLOW PIPES. PIPE PROTECTION DETAIL TO BE PROVIDED FOR PIPES WITH COVER LESS THAN 0.9m ABOVE THE CROWN OF THE PIPE FOR ROADS AND 0.6m FOR SOFT AND PEDESTRIAN AREAS AND UNDER ALL FOUNDATIONS AND WHERE PIPES LAID WITHIN 1m OF FOUNDATIONS.
21. CONCRETE ENCASEMENT OF THE PIPEWORK SHALL BE REQUIRED WHERE THE VERTICAL CLEARANCE BETWEEN TWO PIPES CROSSING IS LESS THAN 300MM.
22. WHERE NEW DRAINAGE IS SITUATED WITHIN 5 METRES OF NEW OR EXISTING TREES THE PIPEWORK SHALL BE ENCASED IN CONCRETE TO REDUCE THE RISK OF ROOT INGRESS.
23. ROCKER PIPES ARE TO BE PROVIDED AT ALL CONCRETE CASED INTERFACES.
24. ALL INTERNAL MANHOLES TO HAVE DOUBLE SEAL, RECESSED COVERS. INTERNAL MANHOLES TO BE CAST IN-SITU WITH SLAB.
25. ALL PROPRIETARY PRODUCTS / SYSTEMS TO BE VERIFIED BY THE MANUFACTURER AND INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATION / DETAILS.
26. ALL DRAINAGE TO BE CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH BS EN 12056-1:2000, BS EN 752:2017, AND BS EN 1610:2015.

BUILDING DESIGN PARTNERSHIP SHALL HAVE NO RESPONSIBILITY FOR ANY USE MADE OF THIS DOCUMENT OTHER THAN FOR THAT WHICH IT WAS PREPARED AND ISSUED.

ALL DIMENSIONS SHOULD BE CHECKED ON SITE.

DO NOT SCALE FROM THIS DRAWING.

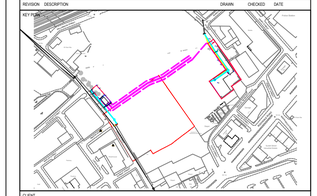
ANY DRAWING ERRORS OR DIVERGENCES SHOULD BE BROUGHT TO THE ATTENTION OF BUILDING DESIGN PARTNERSHIP AT THE ADDRESS SHOWN BELOW.

NOTES

1. ALL DIMENSIONS ARE IN METRES UNLESS STATED OTHERWISE.
2. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECTURAL AND ENGINEERING DETAILS, DRAWINGS AND SPECIFICATIONS.
3. ANY DISCREPANCIES SHOULD BE REPORTED TO THE ARCHITECT AND/OR ENGINEER IMMEDIATELY SO THAT CLARIFICATION CAN BE SOUGHT PRIOR TO THE COMMENCEMENT OF WORK.
4. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH:
   4.1 TYPICAL DRAINAGE DETAILS
5. ALL BUILDING DRAINAGE WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH BS EN:752 DRAINAGE AND SEWER SYSTEMS OUTSIDE BUILDINGS, THE CURRENT BUILDING REGULATIONS, THE LOCAL AUTHORITY BUILDING CONTROL SPECIFICATIONS AND REQUIREMENTS AND THE CIVIL ENGINEERING SPECIFICATION FOR THE WATER INDUSTRY 7TH EDITION, PUBLISHED BY THE UK WATER INDUSTRY RESEARCH LTD. (CESWI).
6. EXISTING DRAINAGE , MANHOLE POSITIONS & LEVELS ARE BASED ON UNITED UTILITIES SEWER RECORDS AND A CCTV SURVEY UNDERTAKEN BY GUN IN JUNE 2020.
7. TOPOGRAPHICAL INFORMATION PROVIDED WITHIN THIS DRAWING IS AN INDICATION OF EXISTING LEVELS ACROSS SITE.
8. BEFORE STARTING ANY WORKS, CONTRACTOR TO CHECK INVERT LEVELS AND POSITIONS OF EXISTING DRAINS, SEWERS, INSPECTION CHAMBERS AND MANHOLES AGAINST INFORMATION SHOWN ON THIS DRAWING, ENGINEER TO BE INFORMED IF FOUND DIFFERENT TO NOTED.
9. ALL DRAIN POINTS AND MANHOLE LOCATIONS / INVERT LEVELS / DIMENSIONS ARE TO BE CONFIRMED, SUBJECT TO DESIGN DEVELOPMENT.
10. IT IS NOT ANTICIPATED THAT ANY OF THE NEW DRAINAGE NETWORK WILL BE OFFERED FOR ADOPTION TO UNITED UTILITIES. ANY DRAINAGE BEING OFFERED FOR ADOPTION WOULD REQUIRE SUBMISSION OF A SECTION 104 APPLICATION AND IS SUBJECT TO APPROVAL FROM UNITED UTILITIES.
11. LOCATION OF RAINWATER DOWNPIPES AND SVPS HAVE NOT BEEN CONFIRMED. FOUL WATER AND SURFACE WATER CONNECTIONS FROM THE BUILDING ARE SHOWN FOR INFORMATION ONLY TO INDICATE THE DIRECTION OF FLOW TO THE MAIN DRAINAGE RUNS.
12. DISCHARGE RATE TO BE RESTRICTED TO A RATE OF 3.6 L/S.
13. DEEP MANHOLE/SEWER IN EXCESS OF 8m. SITE SPECIFIC HEALTH AND SAFETY MEASURES WILL BE REQUIRED TO PROVIDE A CONNECTION/CONSTRUCT A NEW MANHOLE AT THIS DEPTH.
14. DESIGN SUBJECT TO CHANGE FOLLOWING APPROVAL PROCESS WITH LOCAL AUTHORITIES AND WATER COMPANY.
15. THE CONTRACTOR SHALL:
    15.1. VERIFY EXISTING UTILITIES BEFORE STARTING WORKS.
    15.2. VERIFY THE DIMENSIONS SHOWN ON THE DRAWINGS BEFORE FABRICATION, SETTING OUT OR EXCAVATION OF THE WORK, AND SHALL BE HELD RESPONSIBLE FOR ANY ERRORS OR INACCURACIES RESULTING FROM FAILURE TO DO SO.
    15.3. CHECK AND VERIFY THE LOCATION AND LEVELS ALL EXISTING DRAINS, SEWERS, INSPECTION CHAMBERS AND MANHOLES AGAINST DRAWINGS AND REPORT ANY DISCREPANCIES TO THE ENGINEER.
16. THE PROPOSED BUILDING OUTLINE SHOWN ON THIS DRAWING ARE FOR INFORMATION ONLY. REFER TO ARCHITECTS PLANS FOR PRECISE LOCATION SETTING OUT INFORMATION AND DETAILS.
17. FOR SETTING OUT DIMENSIONS OF SSS, SVPS, RWPS, FLOOR GULLY & OTHER DRAINAGE 'POP UP' LOCATIONS, REFER TO ARCHITECTS OR MECHANICAL & ELECTRICAL ENGINEERS DRAWINGS.
18. ALL DROP POINTS TAKEN 250mm BELOW UNDERSIDE OF SLAB TO INVERT, UNLESS OTHERWISE NOTED. ALL DRAINAGE PIPEWORK SHOWN SHALL BE 100mm DIAMETER FOR FOUL AND 100mm FOR SURFACE WATER UNLESS NOTED OTHERWISE. ALL DRAINAGE PIPEWORK SHALL BE LAID SOFFIT TO SOFFIT UNLESS OTHERWISE STATED. ALL STACK CONNECTIONS TO BELOW THE SLAB AND RAINWATER PIPES TO HAVE RODDABLE ACCESS ABOVE SLAB.
19. ALL UNDERSLAB DRAINAGE SHALL BE LAID AT GRADIENTS OF 1:40 MIN. FOR FOUL PIPEWORK AND 1:80 MIN. FOR SURFACE WATER UNLESS NOTED OTHERWISE. ALL UNDERSLAB DRAINAGE SHALL BE CLEAR OF FOUNDATIONS UNLESS SHOWN OTHERWISE. USE OF SHORT/ LONG RADIUS BENDS IS ACCEPTABLE PROVIDED THEY ARE KEPT TO A MINIMUM AND USED WHERE UNAVOIDABLE.

REVISION	DESCRIPTION	DRAWN	CHECKED	DATE
P04	FLOW CONTROL DETAIL / REF ADDED	AS	DN	21/01/26
P03	DISCHARGE RATE REVISED	EOD	DN	09/12/25
P02	LEVELS ADDED	AS	DN	25/11/25
P01	FOR INFORMATION	AS	DN	05/03/25

KEY PLAN



CLIENT

MCR PROPERTY GROUP

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PROJECT TITLE

GOULD STREET DEVELOPMENT

BDP JOB NUMBER	RECSTRO CLASSIFICATION
P3001012	COMMERCIAL IN CONFIDENCE

DRAWING TITLE

THE GAS WORKS - GAS COMPOUND ENABLING WORKS GOULD STREET SURFACE WATER DRAINAGE

SCALE: 1:100 @ A1

DATE: 05/03/25

DRAWING No.: GDS-BDP-ZZ-XX-DR-C-520011

REVISION: P04