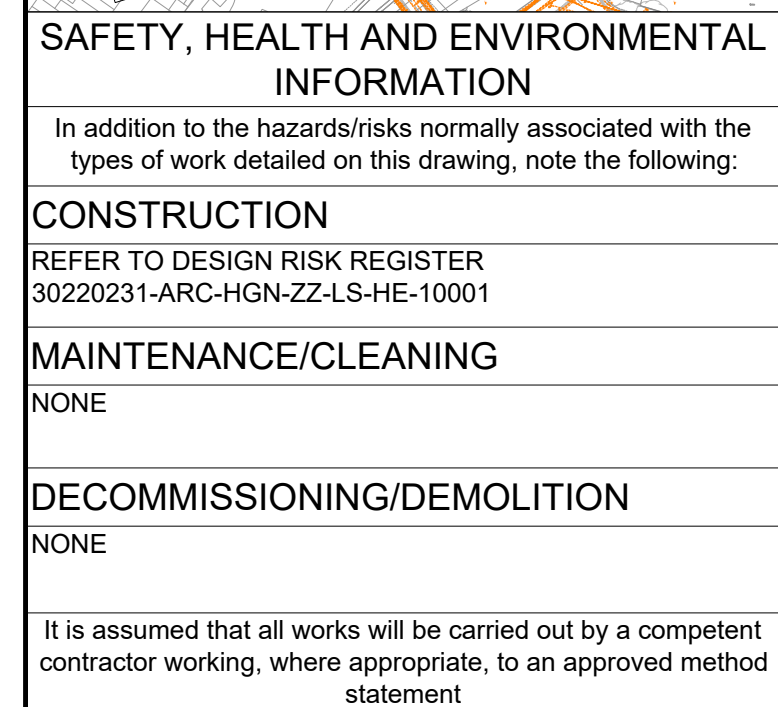
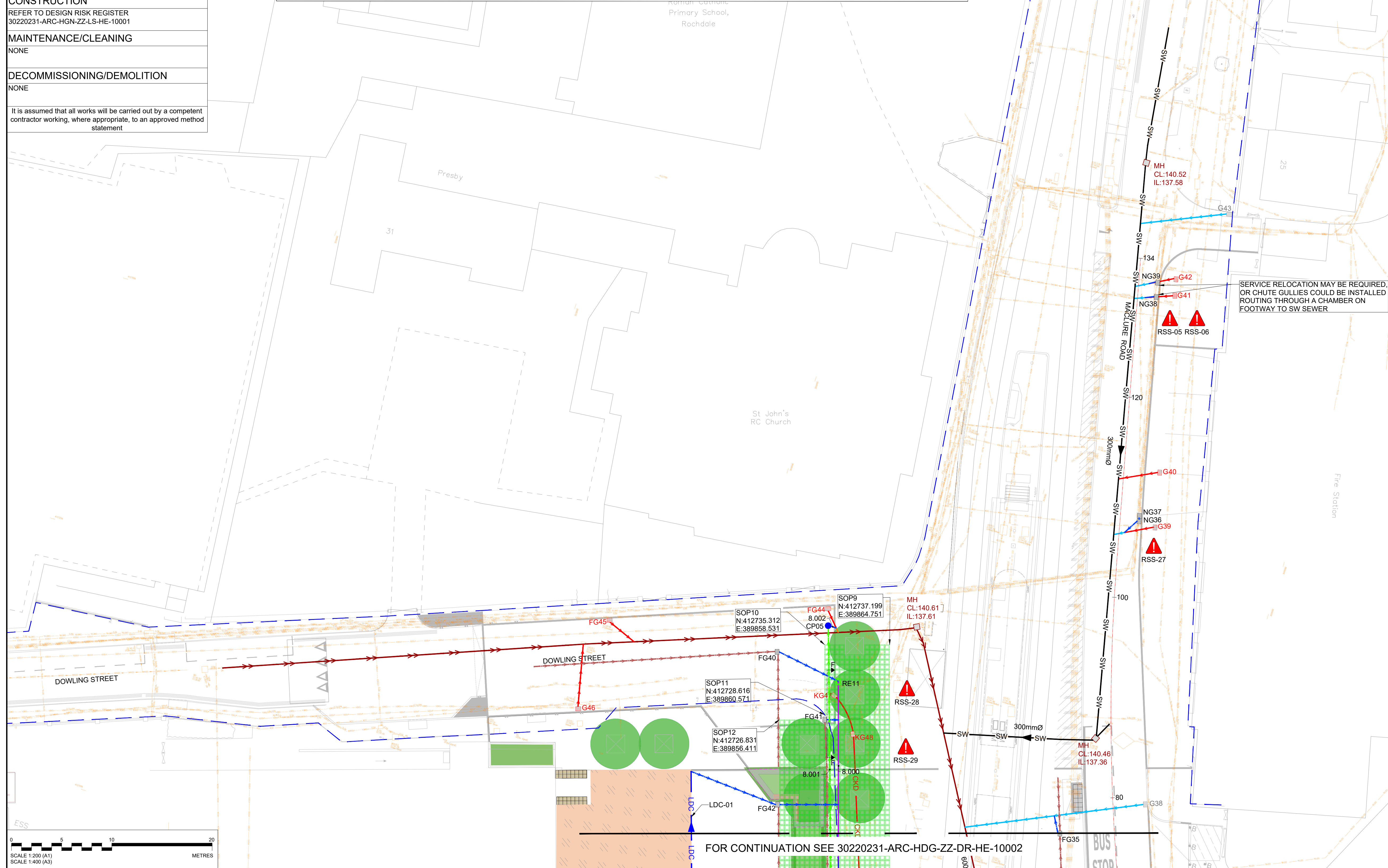




- | KEYS: | | | | | |
|-------|---|--|--|--|---|
| | HIGHWAY BOUNDARY | | EXISTING GULLY TO BE RETAINED | | PROPOSED OVERFLOW CHAMBER |
| | UNITED UTILITIES COMBINED SEWERS | | DRAINAGE GULLY GRATING, FRAME AND POT TO BE REMOVED AND CONNECTION RETAINED | | PROPOSED ORIFICE |
| | EXISTING GULLY CONNECTION IDENTIFIED FROM GPR SURVEY (SEE NOTE 5) | | EXISTING FOOTWAY GULLY TO BE RETAINED | | EXISTING MANHOLE |
| | ASSUMED EXISTING GULLY CONNECTION | | DRAINAGE KERB GULLY GRATING, FRAME AND POT TO BE REMOVED AND CONNECTION RETAINED | | EXISTING MANHOLE TO BE ABANDONED |
| | PROPOSED OUTLET CONNECTION 150mmØ | | | | PROPOSED DRAINAGE LAYER |
| | EXISTING GULLY CONNECTION TO BE REMOVED | | PROPOSED 450mm DIA X 900mm DEEP PREFORMED TRAPPED GULLY POT WITH 450X450X100mm CLASS D400 CYCLE FRIENDLY GULLY GRATING AND FRAME | | PROPOSED RESIN BONDED STONE OVERLAY |
| | PROPOSED 150mmØ PERFORATED PIPE | | PROPOSED 300mm DIA X 600mm DEEP FOOTWAY GULLY WITH 300X300X100mm CLASS C250 PEDESTRIAN FRIENDLY GRATING AND FRAME | | PROPOSED LANDSCAPE |
| | PROPOSED SHALLOW COLLECTOR PIPE | | REPLACE EXISTING FOOTWAY GULLY GRATING AND FRAME WITH NEW 300X300X100mm CLASS C250 PEDESTRIAN FRIENDLY GULLY GRATING AND FRAME | | PROPOSED RAISED PLANTER |
| | PROPOSED FOOTWAY DRAINAGE CHANNEL | | PROPOSED SOAKAWAY | | ROOTSPACE UNITS/SILVA CELLS OR SIMILAR EQUIVALENT |
| | EXISTING COMBINED KERB DRAINAGE TO BE REMOVED | | PROPOSED SEALED OVAL RODDING EYE WITH 45° 150mm DIA METER PVCu PERFORATED PIPE | | PROPOSED TREE |
| | EXISTING SURFACE WATER SEWER IDENTIFIED FROM GPR SURVEY | | PROPOSED KERB WEIR & GRAVEL REINFORCEMENT GRID BOLTED TO QUADRANT INLET | | |
| | EXISTING SURFACE WATER SEWER TO BE REMOVED | | | | |
| | PROPOSED LINEAR DRAINAGE CHANNEL | | | | |
| | EXISTING LINEAR DRAINAGE CHANNEL | | | | |
| | UTILITIES FROM GPR SURVEY | | | | |



- NOTES:
1. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL THE DRAWINGS, SCHEDULES AND SPECIFICATIONS LISTED ON THE DRAWING REGISTER 30202031-ARC-HGN-ZZ-LS-HE-10002.
 2. REFER 30202031-ARC-HDG-ZZ-DR-HE-10006, 30202031-ARC-HDG-ZZ-DR-HE-10007, 30202031-ARC-HDG-ZZ-DR-HE-10008, 30202031-ARC-HDG-ZZ-DR-HE-10009, 30202031-ARC-HDG-ZZ-DR-HE-10010 & 30202031-ARC-HDG-ZZ-DR-HE-10011 FOR DRAINAGE DETAILS AND 30202031-ARC-HDG-ZZ-SCH-HE-00001, 30202031-ARC-HDG-ZZ-SCH-HE-00002 & 30202031-ARC-HDG-ZZ-SCH-HE-00003 FOR DRAINAGE SCHEDULES.
 3. DO NOT SCALE FROM THIS DRAWING.
 4. ALL DIMENSIONS ARE IN MILLIMETERS & ALL LEVELS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
 5. ALL EXISTING GULLY CONNECTIONS TO BE CLEANED AND CLEARED OF OBSTRUCTIONS PRIOR TO REUSE. IF CONNECTION IS DAMAGED BEYOND REPAIR THEN NEW CONNECTION TO BE PROVIDED.
 6. ALL NEW GULLIES GRATES/LINING AND FRAMES TO BE CYCLE FRIENDLY AND CLASS D400 FOR CARRIAGE WAY AND C250 FOR FOOTWAY GULLIES.
 7. PROPOSED NEW GULLIES ARE TO BE CONNECTED TO EXISTING GULLY OUTLETS BY MEANS OF A "Y" JUNCTION AND NO SADDLE CONNECTION SHALL BE CONSTRUCTED.
 8. ALL DRAINAGE PIPES ARE TO A MINIMUM OF 150mm DIAMETER AND A MAXIMUM BEND OF 45 DEGREES FOR ANY CHANGE IN DIRECTION. IF CHANGE IN DIRECTION IS 90 DEGREE, COMBINATIONS OF 2X45 DEGREE BENDS SHOULD BE USED. ALL CONNECTIONS ARE SHOWN INDICATIVELY.
 9. LOCATIONS OF THE EXISTING DRAINAGE ARE SHOWN BASED ON THE GPR SURVEYS. ASSUMPTIONS HAVE BEEN MADE WHEN SURVEY ARE INCONSISTENT OR NON CONCLUSIVE. PRIOR TO CONSTRUCTION, THEREFORE THE CONTRACTOR MUST CONFIRM EXISTING TIE-IN INFORMATION AT ALL DRAINAGE CONNECTION POINTS.
 10. NO CCTV INFORMATION AVAILABLE AT THE TIME OF PRODUCTION OF THIS DRAWING.

HEALTH AND SAFETY :

 HEALTH AND SAFETY SYMBOL AND
REFERENCE NUMBER TO BE READ IN
CONJUNCTION WITH THE DESIGN RISK
REGISTER
30220231-ARC-HGN-ZZ-LS-HE-10001.

P01	01/08/25	FIRST ISSUE		PK	BS	RA	RA
Rev	Date	Description		Prod.	Chk.	Rev.	App.



Project: Rochdale Station Square
- Detailed Design

Site	Client
Rochdale OL11 1DR Manchester	Transport for Greater Manchester 2 Piccadilly Pl, Manchester M1 3BG www.tfgm.com



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London
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Drawing Title:

Rochdale Station Square
Drainage
Sheet 03 of 04

Designed:	Signed	Date
R.Asthana		01/08/25
Produced:	Signed	Date
P.K.R		01/08/25
Checked:	Signed	Date
B.Singh		01/08/25
Reviewed:	Signed	Date
R.Asthana		01/08/25
Approved:	Signed	Date
R.Asthana		01/08/25

Design Stage:	Detailed Design
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Original Size:	Grid:	Datum:
A1	OS	AOD
Status Code:	Scale:	Project Number:
S3	1:200	30220231

Status Description:	Suitable for Review and Comment
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Drawing Number:	Revision:
30220231 - ARC - HDG - ZZ - DR - HE - 10003	P01