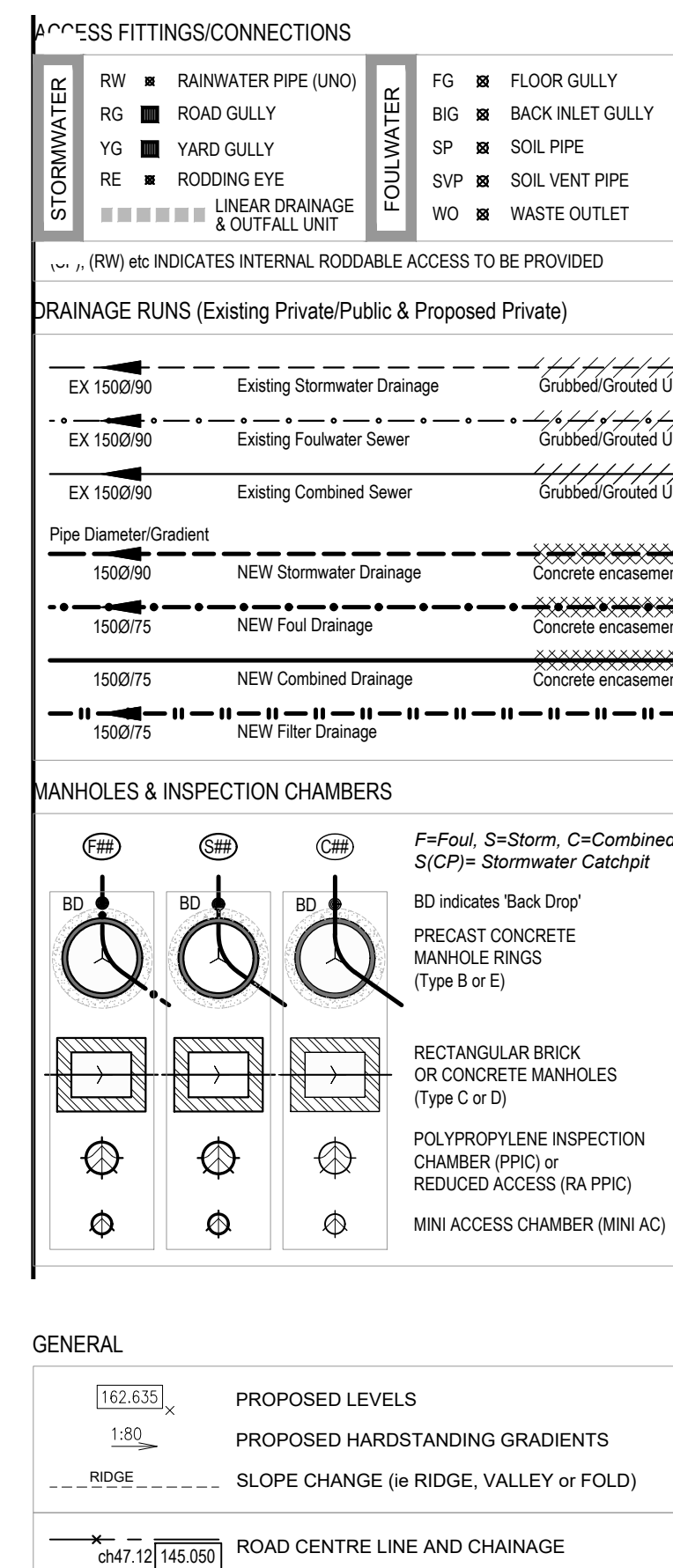




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| NOTES:- | |
| 1. GENERAL | |
| 1.1 | THE DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS, ENGINEERS AND SPECIALIST DRAWINGS & SPECIFICATIONS. |
| 2 | WORK TO BE CARRIED OUT IN ACCORDANCE WITH CURRENT GOOD PRACTICE, BUILDING REGULATIONS AND SUBSEQUENT AMENDMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY CODES OF PRACTICE, MATERIALS AND COMPONENTS TO BE SUITABLE FOR THEIR INTENDED USE. |
| 3 | FOR SETTING OUT REFER TO ARCHITECTS DRAWINGS. |
| 20 EXISTING MEDIA | |
| 1 | SERVICE MEDIA INDICATED IS BASED ON INFORMATION AVAILABLE TO DATE & IS REPRODUCED IN GOOD FAITH. NO RESPONSIBILITY CAN BE ACCEPTED FOR THE PRESENCE OF UNDISCOVERED MEDIA. |
| 2 | STATIONARY SERVICES IDENTIFIED PRIOR TO ANY WORKS TAKING PLACE ARE FOR INFORMATION PURPOSES ONLY AND MUST BE CONFIRMED. |
| 3 | IF IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE AND PROTECT EXISTING MEDIA AFTER COMMENCEMENT, STRENGTH MARKS AS BEING TO BE INCISED ON THE CONCRETE DRAWING DETAIL DRAWING. |
| 4 | ANY EXISTING DRAINAGE (OTHER THAN TO BE INVESTIGATED/SURVEYED) AND AS FOUND TO BE NECESSARY EITHER MAINTAINED, INVERTED OR RELOCATED. THE CONTRACTOR TO APPROVE OF THE SEWERAGE AUTHORITY. |
| 30 PRIVATE DRAINAGE | |
| 1 | IDENTIFIED CLAY DRAINAGE GULLIES TO BE REINFORCED SUPERFICIAL OR SIMILAR TO BS EN 1240. PLASTIC DRAINAGE GULLIES TO BE REINFORCED SUPERFICIAL OR SIMILAR TO BS EN 1240. STRENGTH MARKS AS BEING TO BE INCISED ON THE CONCRETE DRAWING DETAIL DRAWING. |
| 2 | DRAINAGE BENEATH SOFT LANDSCAPING WITH LESS THAN 0.1m cover TO BE CONCRETE ENCASED. DRAINAGE BENEATH HARD SURFACING WITH LESS THAN 0.1m cover TO BE CONCRETE ENCASED. |
| 3 | DRAINS WHICH ARE CONCRETE ENCASED TO HAVE 18mm REINFORCER (POLYESTER JOINTS AT 1m MAX) ENCASED. |
| 4 | ALL NEW HOUSING TO BE PILED FOUNDATIONS WITH ALL PILES DEPTHS GREATER THAN 1.0m. |
| 5 | ALL SURFACE WATER DRAINS TO BE MINIMUM 150mm at MINIMUM 1:50 GRADIENT UNTO ALL FOLI. WATER DRAINS TO BE MINIMUM 100mm at MINIMUM 1:50 GRADIENT UNLESS A FLATTER GRADIENT IS SPECIFIED WHERE MINIMUM GRADIENT SHOULD BE 1:80. |
| 6 | COVER LEVELS ARE APPROXIMATE AND TO BE VERIFIED ON SITE. |
| 7 | INTERNAL INSPECTION CHAMBERS TO BE PROVIDED WITH DOUBLE SEAL TOPS TO PREVENT ENTRY OF DEBRIS. |
| 8 | POLYPROPYLENE (PP) TO INCLUDE 150mm MIN CONCRETE SURROUND WHEN LOCATED IN HARDSTANDING (SEE DETAILS). |
| 9 | PPS/PE DEEPER THAN 12m TO HAVE REDUCED ACCESS (RA) COVER <800. |
| 40 ADAPTABLE DRAINAGE UNITS | |
| 1 | ALL ADAPTABLE DRAINAGE WORKS AND MATERIALS TO BE IN ACCORDANCE WITH DESIGN AND CONSTRUCTION GUIDANCE FOR FLOOD AND SURFACE WATER DRAINAGE (DESIGNED FOR FLOOD LOADS) AND FOR DRAINAGE ADAPTABLE AGREEMENTS FOR WATER AND SEWAGE COMPANIES. |
| 2 | ADAPTABLE DRAINAGE UNITS TO BE USED IN ACCORDANCE WITH RELEVANT BRITISH STANDARD STANDARDS AND UNITED STATES REQUIREMENTS. |
| 3 | THE DRAWING TO BE READ IN CONJUNCTION WITH THE FOLLOWING UNITED STATES STANDARDS CONTAINING THEIR DEVELOPER SPECIFICATIONS STANDARD DETAILS: <ul style="list-style-type: none"> STD 100/100A - DETAIL 1 - MANHOLE TYPE A STD 100/100A - DETAIL 2 - MANHOLE TYPE B STD 100/100A - DETAIL 3 - MANHOLE TYPE C STD 100/100A - DETAIL 4 - MANHOLE TYPE D STD 100/100A - FLOOD CONTROL MANHOLE STD 100/100A - INTERNAL MANHOLE DETAIL STD 100/100A - PIPE-EMBEDDED DETAIL STD 100/100A - EXTERNAL MANHOLE DETAIL STD 100/100A - HEADWALL TYPE 1 DETAIL STD 100/100A - HEADWALL TYPE 2 DETAIL |
| 4 | MANHOLE COVERS SHALL HAVE A CLEAR OPENING OF 600mm AND SHALL BE CLASS D408 OR IN 124 WITH MINOR DEEP FRAMES IN 1240. |
| 5 | COVER BASINS MUST BE BUILT 150mm WHERE THE CLEAR OPENING OF THE MANHOLE IS 600mm. COVER BASINS WITH A CLEAR OPENING OF 1200mm MUST BE BUILT 300mm. COVER BASINS WITH A CLEAR OPENING OF THE COVER AND NO LOW LEARNING SHALL BE FITTED ABOVE THE COVER BASIN. THE SIZE OF THE COVER BASIN SHALL BE SUFFICIENT TO CONCRETE PYS SYSTEMS ASSOCIATION TECHNICAL BULLETIN AUTUMN 2004 FOR RETAINED COVER SLAB SPANNING SIZES. |
| 50 LINEAR DRAINAGE SYSTEM | |
| 1 | THE LINEAR DRAINAGE SYSTEM SHALL BE BRICCO SEE DRAWING FOR MANUFACTURERS PRE-CAST CHANNELS, CHANNELS, T-JUNCTION CHANNELS OR CERTAIN TYPES MANUFACTURED IN STEEL, OR CAST IRON OR CONCRETE WITH MANUFACTURERS DETAIL DRAWINGS AND TECHNICAL SHEETS. |
| 2 | THE LINEAR DRAINAGE SHALL BE A TWO PARTY SYSTEM CASTING OF STEEL OR CAST IRON GRATING OR CONCRETE BOLTED TO PRECAST CONCRETE CHANNELS. THE LINEAR DRAINAGE SHALL BE CASTING OF CONCRETE CONSTANT DEPTH AND IN-BUILT FILL UNITS TO SATISFY THE REQUIREMENTS OF THE MANUFACTURERS. |
| 3 | ALL COMPONENTS OF THE MARSHALLS BRICCO SYSTEM SHALL COMPLY WITH CLASSIFICATION D408 IN ACCORDANCE WITH BS EN 1433:2002. |
| 4 | THE LINEAR DRAINAGE SYSTEM COMPONENTS GRATING, COVERS, CHANNELS AND IN-BUILT FILL UNITS SHALL BE MANUFACTURED IN ACCORDANCE WITH THE MANUFACTURERS IN CIPS, CAP, MANUFACTURERS AND SEALANTS SHALL BE RETAINED OVER THE LINEAR DRAINAGE SYSTEM. THE LINEAR DRAINAGE SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS AND STANDARD DETAILS. |
| 5 | BRICO OUTFALLS TO BE 150mm UNTO ALL (RAMPED) AND 200mm UNTO SECTIONS WITH UNIFORM FILL SLAB AND STOPPER INCLUDED. OUTFALL SECTIONS TO BE REDUCED 50mm MARSHALLS RATCHPITCHED SLOPE. |
| 6 | SEALANT TO BE USED FOR JOINTS BETWEEN IN-BUILT FILL UNITS AND VERTICAL JOINTS OF THE CHANNELS. |

LEVELS ARE RELATED TO OSGM02
(OSGM02 CONVERTS GPS ELLIPSOID HEIGHTS TO
ORTHOMETRIC HEIGHTS ABOVE MEAN SEA LEVEL)
COORDINATES ARE RELATED TO NATIONAL GRID (GPS)

B	04/10/21	JSD	PLOT 1 DRIVE MOVED TO REAR.
A	24/05/21	JSD	S2 COVER CHANGED TO 1200w675. F2 UPDATED TO 12 DIA (SAME CENTRE POINT). PLOTS 6-21 AND BACK OF ADJACENT FOOTWAY LOWERED BY 50mm.
REV.	DATE	DRN	DESCRIPTION

PURPOSE OF ISSUE	PRELIMINARY
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CLIENT
PLP CONSTRUCTION LTD

SITE OFF DOB BROOK CLOSE
NEWTON HEATH
MANCHESTER

TITLE
S104 DRAINAGE PLAN

JOB No.		DRAWING No.		REVISION
J072		/ 111		B
DRAWN	CHECKED	SCALE	@ SHEET SIZE	DATE
JSD	MD	1:100	A0	APR' 2021

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