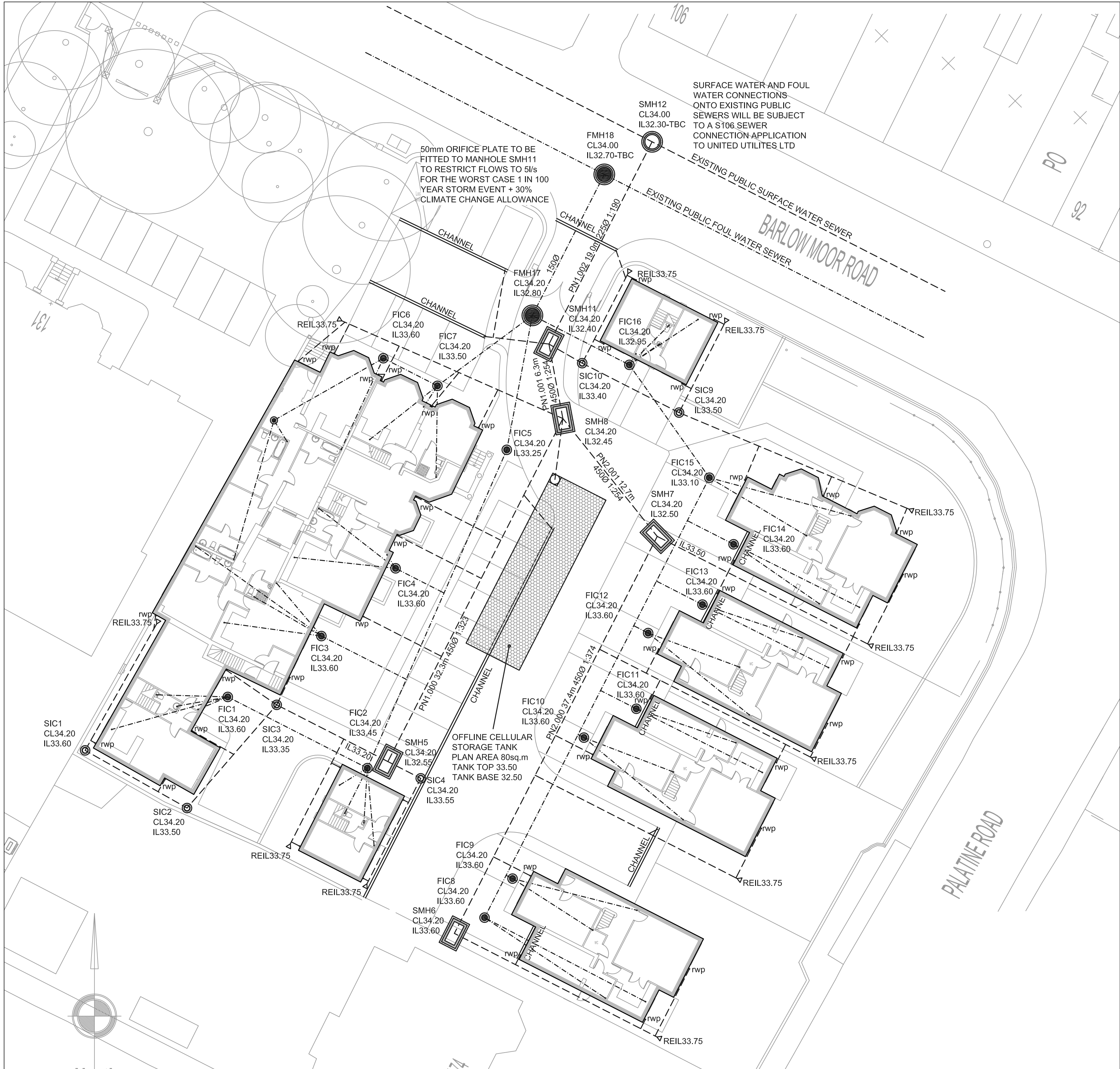




DRAWING LEGEND	
SURFACE WATER DRAINAGE	
	PCC RING MANHOLE
	1800x900 MANHOLE
	4500 INSPECTION CHAMBER
	RODDING EYE
	SURFACE WATER SEWER
	RAINWATER PIPE
	ACO M100D LINEAR CHANNEL
FOUL WATER DRAINAGE	
	PCC RING MANHOLE
	4500 INSPECTION CHAMBER
	FOUL WATER SEWER

STRATEGY

EXISTING

IMPERMEABLE AREA	= 1620sq.m
1 IN 2 YEAR DISCHARGE RATE	= 7.2l/s
1 IN 30 YEAR DISCHARGE RATE	= 13.4l/s
1 IN 100 YEAR DISCHARGE RATE	= 17.6l/s

PROPOSED

IMPERMEABLE AREA	= 2060sq.m
1 IN 2 YEAR DISCHARGE RATE	= 2.7l/s (37.5%)
1 IN 30 YEAR DISCHARGE RATE	= 3.6l/s (26.9%)
1 IN 100 YEAR DISCHARGE RATE +30%CC	= 5.0l/s (28.4%)

- NOTES
- CONTRACTORS MUST VERIFY ALL DIMENSIONS ON SITE BEFORE COMMENCING ANY WORK ON SHOP DRAWINGS
- DO NOT SCALE FROM THIS DRAWING
- RCD CONSULTANTS LTD COPYRIGHT
- NOTES
- ALL DIMENSIONS IN MILLIMETERS UNLESS NOTED OTHERWISE.
 - THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER ENGINEERING DRAWINGS AND CALCULATIONS ASSOCIATED WITH THIS PROJECT.
 - ALL ADAPTABLE DRAINAGE WORKS ARE TO BE CARRIED OUT TO THE REQUIREMENTS AND FULL SATISFACTION OF UNITED UTILITIES LTD.
 - ALL BUILDING DRAINAGE TO BE INSTALLED AND TESTED IN COMPLIANCE WITH THE BUILDING REGULATIONS 2000 DRAINAGE AND WASTE DISPOSAL APPROVED DOCUMENT H 2002 EDITION.
 - ALL COMPONENTS AND MATERIALS ARE TO BE MANUFACTURED AND SUPPLIED IN ACCORDANCE WITH THE RELEVANT BRITISH STANDARDS, AND LAID AND BACKFILLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND THE RELEVANT BRITISH STANDARDS.
 - THE CONTRACTOR SHALL, BEFORE COMMENCING THE WORKS, VERIFY ALL SITE AND SETTING OUT DIMENSIONS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TRUE AND PROPER SETTING OUT OF THE WORKS AND FOR THE CORRECTNESS OF THE POSITION, LEVELS, DIMENSIONS, AND ALIGNMENT OF ALL PARTS OF THE WORKS.
 - SMALL LIGHTWEIGHT ACCESS COVERS SHOULD BE SECURED (FOR EXAMPLE WITH SCREWS) TO DETER UNAUTHORISED ACCESS.
 - INSPECTION CHAMBERS AND MANHOLES IN BUILDINGS TO HAVE MECHANICALLY FIXED AIRTIGHT COVERS UNLESS THE DRAIN ITSELF HAS WATERTIGHT ACCESS COVERS.
 - ALL ABOVE GROUND DRAINAGE TO INCORPORATE RODDING ACCESS FACILITIES.
 - INSITU CONCRETE FOR USE IN GENERAL DRAINAGE WORKS, GRADE TO BS: 5328.
 - ALL GULLIES TO BE TRAPPED.
 - RWPS AND SVPS SHOWN ARE INDICATIVE ONLY. FOR INTERNAL DRAINAGE POSITIONS REFER TO ARCHITECT'S CURRENT WORKING DRAWINGS.
 - FOR LANDSCAPING SURFACE MATERIAL FINISHES REFER TO ARCHITECT'S CURRENT WORKING DRAWINGS.
 - ALL PIPES TO BE 100mm DIAMETER UNLESS NOTED OTHERWISE.
 - PRIOR TO STARTING ANY CONSTRUCTION WORK ON SITE THE CONTRACTOR IS TO COMPLETE THE SEWER CONNECTIONS TO THE EXISTING SEWERS IN BARLOW MOOR ROAD AND CONFIRM BACK TO THE RCD ENGINEER THE INVERT LEVELS AT MANHOLES SMH12 AND FMH18.
 - THE CONTRACTOR/CLIENT IS RESPONSIBLE FOR MAKING THE S106 SEWER CONNECTION APPLICATION TO ANGLIAN WATER.
 - ALL WORK WITHIN THE HIGHWAY IS TO BE COMPLETED TO THE FULL SATISFACTION AND APPROVAL OF THE MANCHESTER CITY COUNCIL HIGHWAYS DEPARTMENT.
 - THE CONTRACTOR IS RESPONSIBLE FOR MAKING ALL NECESSARY LICENCE APPLICATIONS FOR WORKS WITHIN THE EXISTING HIGHWAY.

A	FOR APPROVAL	11.05.16	MGC
REV	AMENDMENT	DATE	CHKD

DRAWING STATUS

PRELIMINARY

RCD

RCD CONSULTANTS LTD
23 HASTINGS ROAD ROAD, MAIDSTONE, KENT, ME15 7SH
MOBILE: 07702 052 137
EMAIL: ray@rct-uk.com

CLIENT
PROJECT PROPOSED DEVELOPMENT BARLOW MOOR ROAD DIDSBURY
DRAWING TITLE DRAINAGE STRATEGY

CIVILS			
SCALE 1:200 @ A1 1:400 @ A3	DRAWN BY RAC	CHECKED MGC	DATE MAY 2016
DRAWING NUMBER 1111-1025-CIV-01		REVISION A	