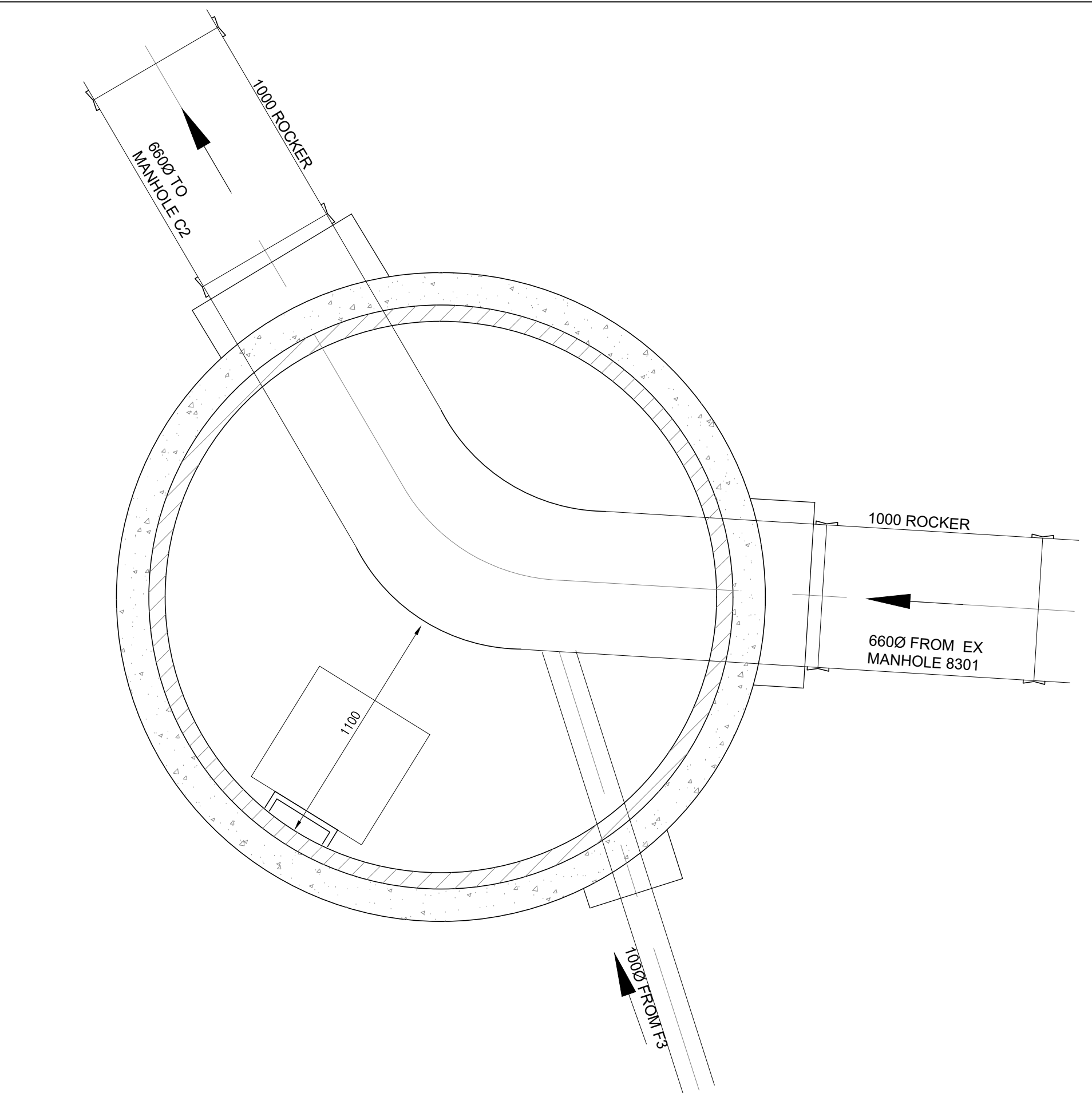
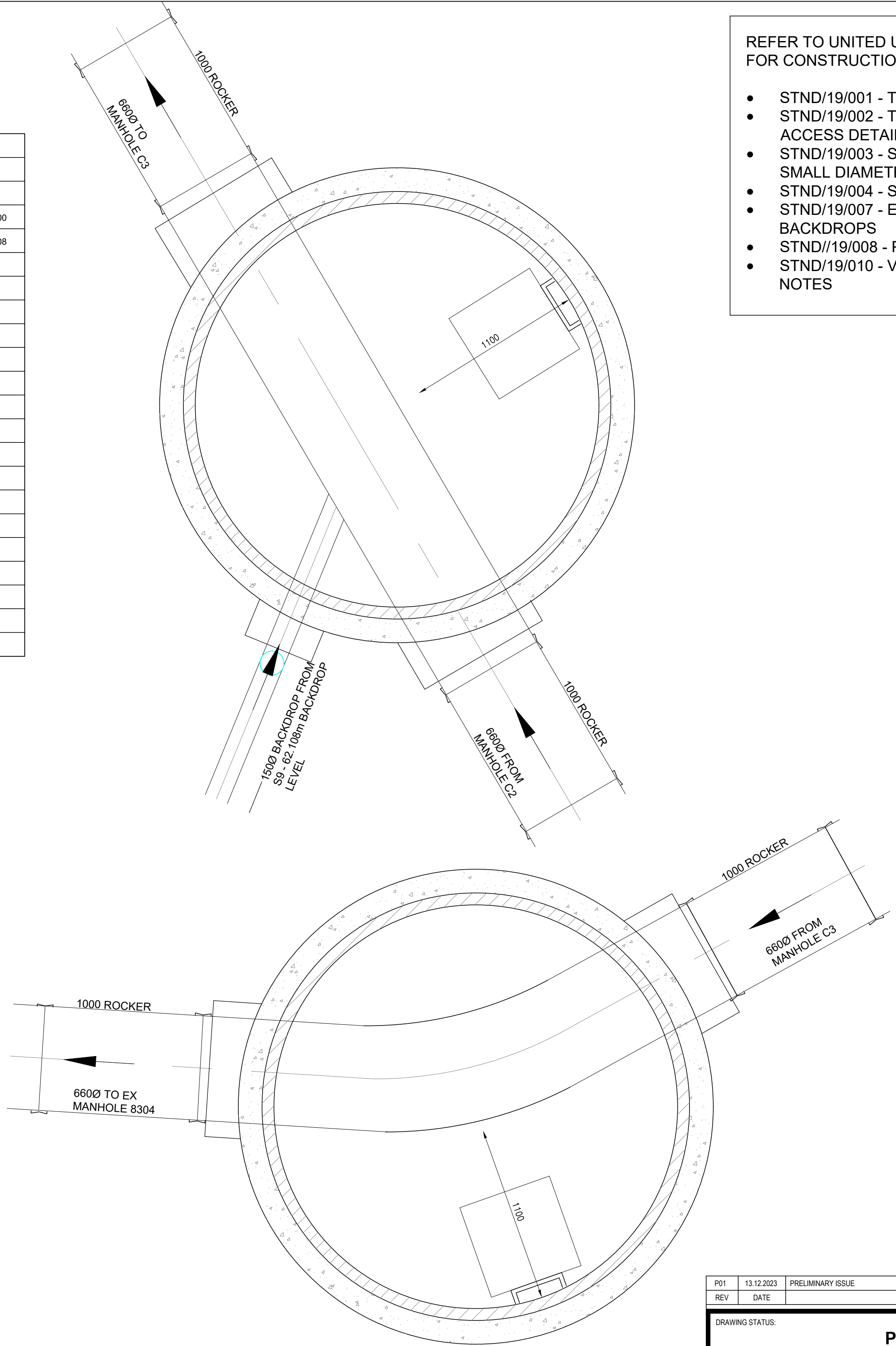


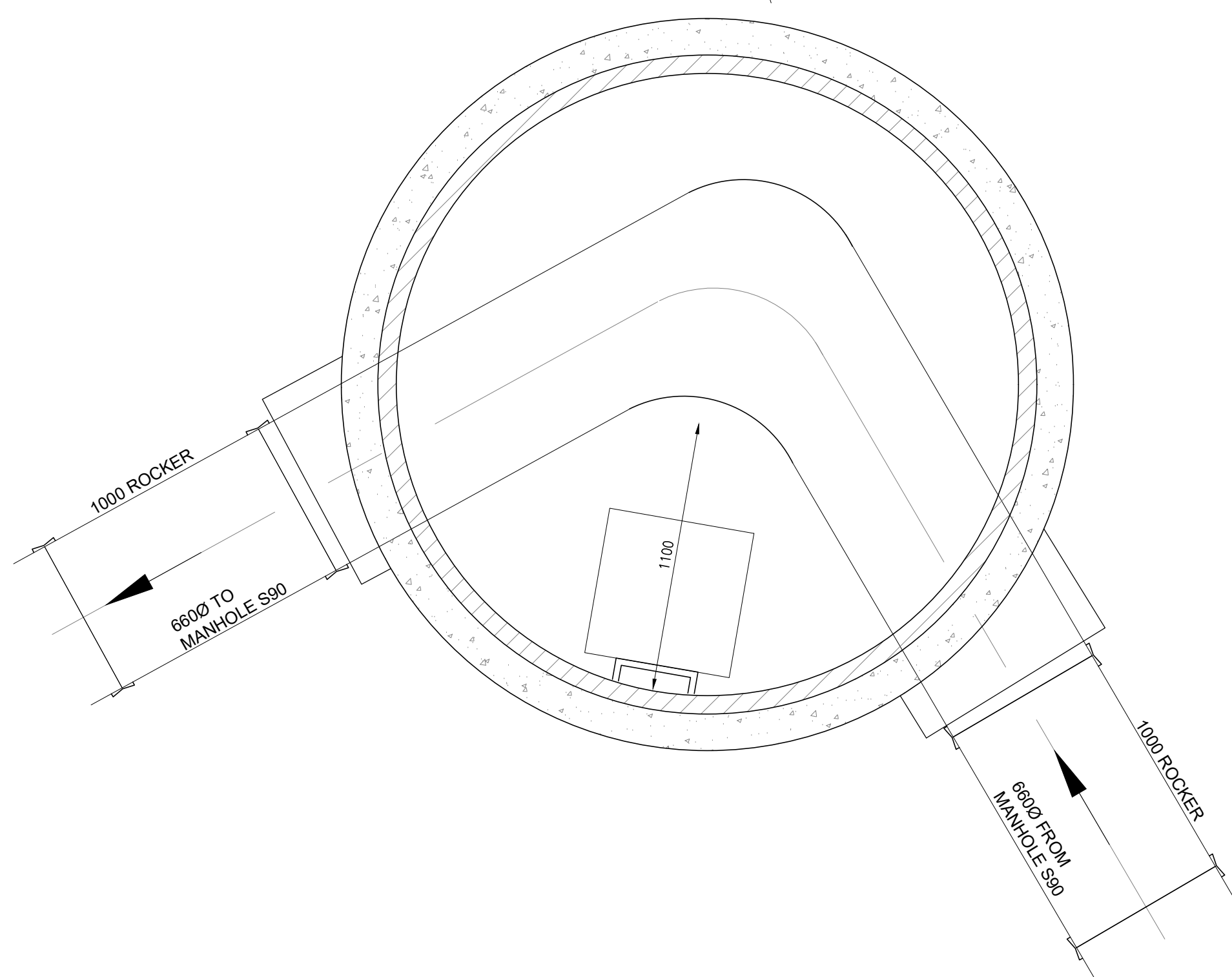
MANHOLE REF	C1		
MANHOLE DIAMETER (mm)	2400		
COVER LEVEL (m)	63.860		
PIPE Ø (mm) INVERT LEVEL (m)	660	57.060	
	150BD	62.303	
	-	-	
	-	-	
MANHOLE TYPE	A2		
DEPTH TO SOFFIT (m)	5.360		
DEPTH TO INVERT (m)	6.020		
COVER SIZE (mm)	600 x 600		
COVER DEPTH (mm)	150		
COVER SPEC	D400		
HOLE SIZE IN COVER SLAB	750 x 600 E.O.		
LADDER OR DOUBLE STEPS?	LADDER		
SAFETY CHAIN	YES		
SAFETY RAILS	YES		
INVERT ACCESS STEPS	YES		
ROCKER PIPE LENGTH (mm)	1000		
MINIMUM BENCHING WIDTH (mm)	1100		
EASTING	385866.2591		
NORTHING	400326.5886		



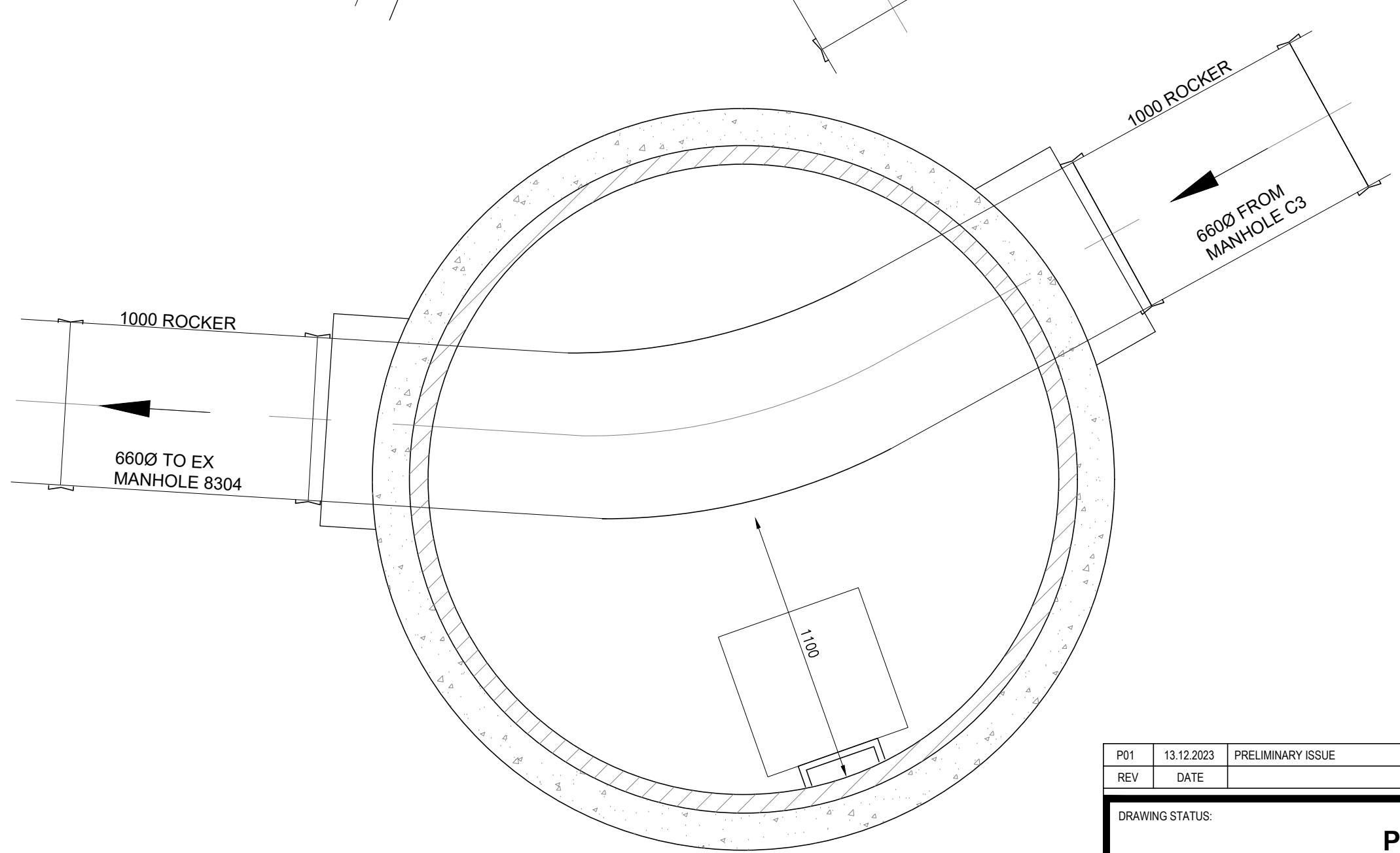
MANHOLE REF	C2		
MANHOLE DIAMETER (mm)	2400		
COVER LEVEL (m)	63.850		
PIPE Ø (mm) INVERT LEVEL (m)	660	57.000	
	150BD	62.108	
	-	-	
	-	-	
MANHOLE TYPE	A2		
DEPTH TO SOFFIT (m)	6.190		
DEPTH TO INVERT (m)	6.850		
COVER SIZE (mm)	600 x 600		
COVER DEPTH (mm)	150		
COVER SPEC	D400		
HOLE SIZE IN COVER SLAB	750 x 600 E.O.		
LADDER OR DOUBLE STEPS?	LADDER		
SAFETY CHAIN	YES		
SAFETY RAILS	YES		
INVERT ACCESS STEPS	YES		
ROCKER PIPE LENGTH (mm)	1000		
MINIMUM BENCHING WIDTH (mm)	1100		
EASTING	385861.3105		
NORTHING	400335.0605		



MANHOLE REF	C3		
MANHOLE DIAMETER (mm)	3000		
COVER LEVEL (m)	63.870		
PIPE Ø (mm) INVERT LEVEL (m)	660	56.981	
	-	-	
	-	-	
	-	-	
MANHOLE TYPE	A2		
DEPTH TO SOFFIT (m)	6.230		
DEPTH TO INVERT (m)	6.890		
COVER SIZE (mm)	600 x 600		
COVER DEPTH (mm)	150		
COVER SPEC	D400		
HOLE SIZE IN COVER SLAB	750 x 600 E.O.		
LADDER OR DOUBLE STEPS?	LADDER		
SAFETY CHAIN	YES		
SAFETY RAILS	YES		
INVERT ACCESS STEPS	YES		
ROCKER PIPE LENGTH (mm)	1000		
MINIMUM BENCHING WIDTH (mm)	1100		
EASTING	385857.9890		
NORTHING	400340.7202		



MANHOLE REF	C4		
MANHOLE DIAMETER (mm)	2400		
COVER LEVEL (m)	63.870		
PIPE Ø (mm) INVERT LEVEL (m)	6600	56.859	
	-	-	
	-	-	
	-	-	
MANHOLE TYPE	A2		
DEPTH TO SOFFIT (m)	5.719		
DEPTH TO INVERT (m)	N/A		
COVER SIZE (mm)	600 x 600		
COVER DEPTH (mm)	150		
COVER SPEC	D400		
HOLE SIZE IN COVER SLAB	750 x 600 E.O.		
LADDER OR DOUBLE STEPS?	LADDER		
SAFETY CHAIN	YES		
SAFETY RAILS	YES		
INVERT ACCESS STEPS	YES		
ROCKER PIPE LENGTH (mm)	1000		
MINIMUM BENCHING WIDTH (mm)	1100		
EASTING	385835.9789		
NORTHING	400328.4676		



REFER TO UNITED UTILITIES STANDARD DRAWINGS FOR CONSTRUCTION DETAILS

- STND/19/001 - TYPE 1 MANHOLE
- STND/19/002 - TYPE 2 MANHOLE & INVERT ACCESS DETAIL
- STND/19/003 - SHALLOW MANHOLE DETAIL FOR SMALL DIAMETER PIPES
- STND/19/004 - SHALLOW SW MANHOLE DETAIL
- STND/19/007 - EXTERNAL AND INTERNAL BACKDROPS
- STND//19/008 - PIPE EMBEDMENT DETAILS
- STND/19/010 - VARIABLE MANHOLE GUIDANCE NOTES

P01	13.12.2023	PRELIMINARY ISSUE						JPR	JCM	JCM
REV	DATE	DESCRIPTION						BY	CHK	APP

DRAWING STATUS:										
PRELIMINARY										

CLIENT:										
CASEY										

ARCHITECT:										
JOHN MCCALL ARCHITECTS										

PROJECT:										
PALGRAVE AVENUE P500 MANCHESTER										

TITLE:										
1:20 MANHOLE SCHEDULES										

STATUS:	PROJECT No.	PROJECT	ORIGINATOR	VOL/SYS/LEVEL	TYPE	ROLE	DRAWING No.	REV:
S2	223-150	PAL	AJP	-ZZ -00 -DR	C	1100	P01	

SCALE @ A1:	DESIGNED:	DRAWN:	CHECKED:	APPROVED:	DATE:
1:20	JPR	JPR	JCM	JLS	NOV 2023

	consulting engineers
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ALL PRIVATE CONNECTIONS INTO ADOPTABLE SURFACE WATER MANHOLES WILL BE MADE AT SOFFIT LEVEL

ROCKER PIPES TO BE INSTALLED TO ALL MANHOLES AS SEWERS FOR ADOPTION 6TH EDITION AND UNITED UTILITIES REQUIREMENTS IN TABLE BELOW

MINIMUM LENGTH OF CHANNEL	
CHAMBER DIAMETER	"X" MIN.
1200	950
1500	1050
1800	1150
2100	1300
2400	1450
2700	1550
3000	1700

FEATURE RELATED TO PIPE DIAMETER	DIAMETER OF LARGER PIPES									
	225	300	375	450	525	600	675	750	825 & ABOVE	
ROCKER PIPES	ROCKER PIPE NOT EXCEEDING 600						ROCKER PIPE NOT EXCEEDING 1000		1250	
BENCHING WIDTH	MINIMUM 600			MINIMUM 750			MINIMUM 1100			
BENCHING RAILINGS	NOT REQUIRED					REQUIRED				
SEWER SAFETY CHAINS	NOT REQUIRED					REQUIRED				
INVERT ACCESS STEP	NOT REQUIRED				REQUIRED WITH DOUBLE STEPS					