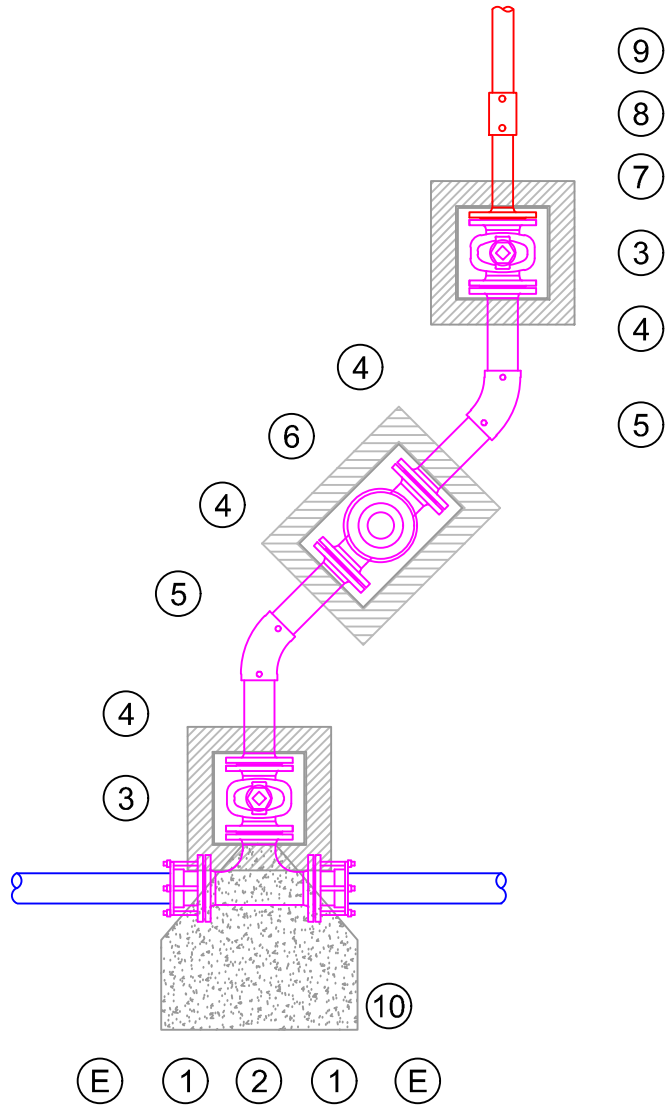


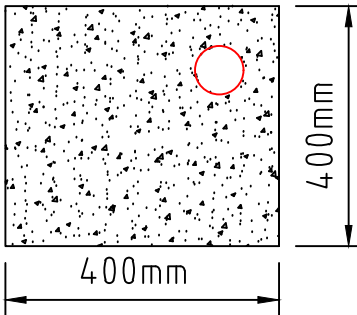
CONNECTION DETAIL AT POINT 'A1' TO 'B1'
90MM PURITION TEE CONNECTION ONTO EXISTING 90MM HPPE MAIN
NOT TO SCALE



SCHEDULE OF FITTINGS - POINT 'A1' TO 'B1'		
REF.	DESCRIPTION	No.
E	EXISTING 90MM HPPE PIPE	-
1	STUB FLANGE ADAPTORS SDR11 90 mm x 80 mm MECH	2
2	TEE AF NP16/25 DI BLUE EC 80MM	1
3	VALVE SLUICE ACC 80MM	2
4	PURITON PUPP FLANGE SDR 17 90 X 80MM	4
5	ELBOW BK E/F 125x45DEGREE 16 BAR WATER PE100	2
6	HYDRANT INLINE 80MM	
	PIPE DF NP16/25 DI BLUE EC 80 X 250MM	1
	TEE AF NP16/25 DI BLUE EC 80MM	1
	HYDRANT SQUAT C/W FROST VALVE SS OUTLET	1
7	63 x 80 FLANGE ASSY PURITON PUPP 16 Bar	1
8	PURITON COUPLER 63 MECHANICAL COMPRESSION FITTING	1
9	63mm PURITON PIPE PE 80 (LENGTH TO SUIT)	-
10	MASS CONCRETE THRUST BLOCK (SEE DETAIL)	1
FL	FLANGE SET 80MM NP16 (M16 X 80 BOLT)	4

NOTE!
THRUST BLOCK SIZE AND DETAILS
TO BE CONFIRMED ON RECEIPT OF
PDF007

TYPICAL CROSS SECTION
THROUGH THRUST BLOCK (2)



THRUST BLOCK DETAILS
DIMENSIONS: 400mm x 400mm (MIN.) x 400mm DEEP (MIN.)
CONCRETE: C25 - CLASS S3 - SLUMP 100mm
MIN. VOLUME: 0.06m³
MIN BACK PLATE AREA: 0.16m²
TEST PRESSURE: 8.3 BAR (i.e M.S.P + 5 BAR)
ASSUMED SOIL TYPE: FINE GRAINED SOILS. FIRM (CONTRACTOR TO CONFIRM ON SITE)

THRUST BLOCK MUST BE ALLOWED TO CURE FOR A MINIMUM OF 72 HOURS PRIOR TO INDUCING FLOW INTO THE NEW MAIN.

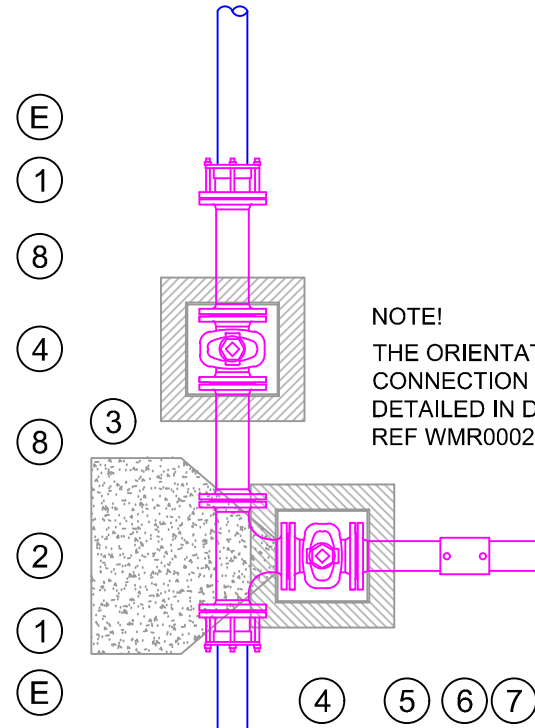
CONCRETE THRUST BLOCKS ARE TO BE GRADE C25 S3 100mm SLUMP.

CONCRETE SHOULD BE READY MIX UNLESS STATED OTHERWISE.

ALL CONCRETE THRUST AND ANCHOR BLOCKS ARE TO BE INSTALLED AS PER THE DESIGN DRAWINGS AND ANY SUPPORTING STANDARD DETAILS.

DCWW CONTRACTOR TO ENSURE THAT ALL PHASING INCLUDING ASSOCIATED CONCRETE CURING PERIODS ARE FOLLOWED AS LAID OUT ON CONTRACT DRAWINGS.

CONNECTION DETAIL AT POINT 'A2'
90MM PURITION CONNECTION TO EXISTING 90mm HPPE MAIN
NOT TO SCALE

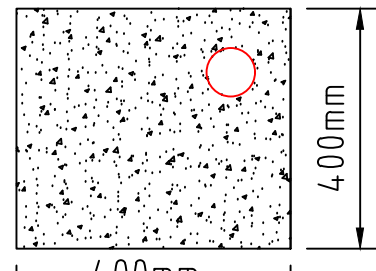


NOTE!
THE ORIENTATION OF
CONNECTION IS
DETAILED IN DRAWING
REF WMR0002437.001

SCHEDULE OF FITTINGS - POINT 'A2'		
REF.	DESCRIPTION	No.
E	EXISTING 90MM HPPE PIPE	-
1	STUB FLANGE ADAPTORS SDR11 90 mm x 80 mm MECH	2
2	TEE AF NP16/25 DI BLUE EC 80MM	1
3	MASS CONCRETE THRUST BLOCK (SEE DETAIL)	1
4	VALVE SLUICE ACC 80MM	2
5	PURITON PUPP FLANGE SDR 17 90 X 80MM	1
6	90mm EF COUPLING PURITON	1
7	90mm PURITON BARRIER PIPE 10 Bar SDR17 (LENGTH TO SUIT)	-
8	PIPE DF NP16/25 DI BLUE EC 80 X 350 MM	2
FL	FLANGE SET 80MM NP16 (M16 X 80 BOLT)	7

NOTE!
THRUST BLOCK SIZE AND DETAILS
TO BE CONFIRMED ON RECEIPT OF
PDF007

TYPICAL CROSS SECTION
THROUGH THRUST BLOCK (2)



THRUST BLOCK DETAILS

DIMENSIONS: 400mm x 400mm (MIN.) x 400mm DEEP (MIN.)
CONCRETE: C25 - CLASS S3 - SLUMP 100mm
MIN. VOLUME: 0.06m³
MIN BACK PLATE AREA: 0.16m²
TEST PRESSURE: 8.3 BAR (i.e M.S.P + 5 BAR)
ASSUMED SOIL TYPE: FINE GRAINED SOILS. FIRM (CONTRACTOR TO CONFIRM ON SITE)

THRUST BLOCK MUST BE ALLOWED TO CURE FOR A MINIMUM OF 72 HOURS PRIOR TO INDUCING FLOW INTO THE NEW MAIN.

CONCRETE THRUST BLOCKS ARE TO BE GRADE C25 S3 100mm SLUMP.

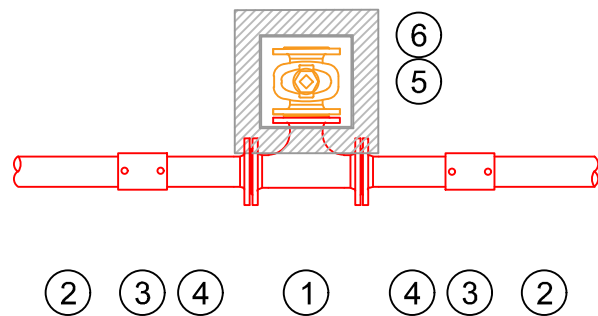
CONCRETE SHOULD BE READY MIX UNLESS STATED OTHERWISE.

ALL CONCRETE THRUST AND ANCHOR BLOCKS ARE TO BE INSTALLED AS PER THE DESIGN DRAWINGS AND ANY SUPPORTING STANDARD DETAILS.

DCWW CONTRACTOR TO ENSURE THAT ALL PHASING INCLUDING ASSOCIATED CONCRETE CURING PERIODS ARE FOLLOWED AS LAID OUT ON CONTRACT DRAWINGS.

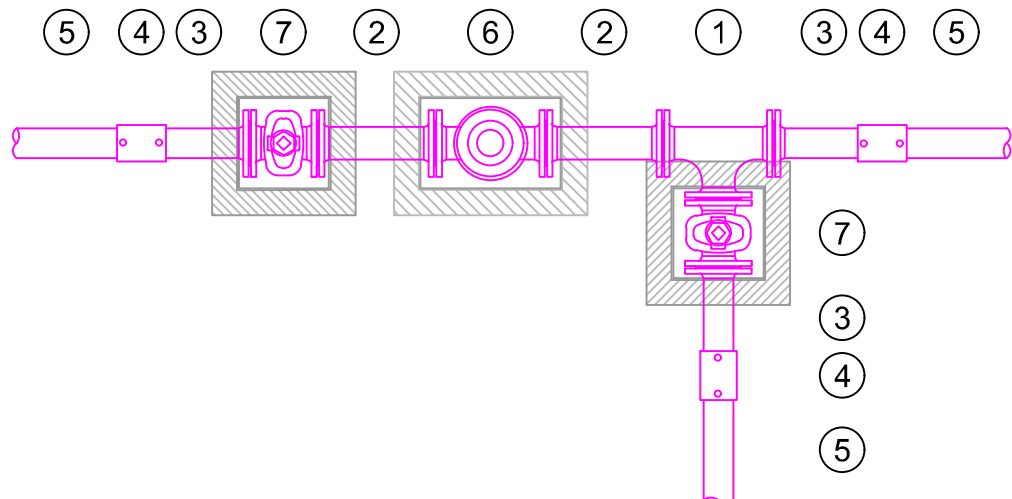
CONNECTION DETAIL AT POINT 'C2', 'M3', AND 'N3'
63MM PURITON TEE CONNECTION FOR FUTURE SUPPLY
NOT TO SCALE

NOTE!
THE ORIENTATION OF CONNECTION
IS DETAILED IN DRAWING REF
WMR0002437.001.01



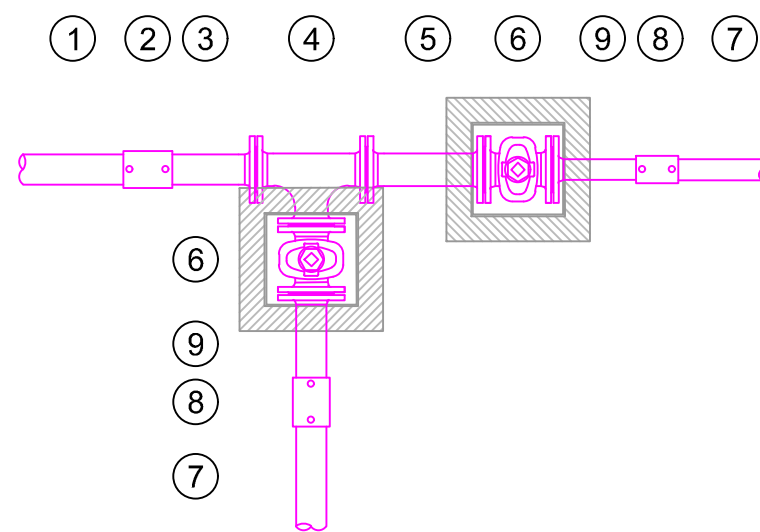
SCHEDULE OF FITTINGS - POINT 'C2', 'M3' AND 'N3'		
REF.	DESCRIPTION	No.
1	TEE AF NP16/25 DI BLUE EC 80MM	1
2	90mm PURITON BARRIER PIPE 10 Bar SDR17 (LENGTH TO SUIT)	-
3	90mm EF COUPLING PURITON	2
4	PURITON PUPP FLANGE SDR 17 90 X 80MM	2
5	VALVE SLUICE ACC 80MM	1
FL	FLANGE SET 80MM NP16 (M16 X 80 BOLT)	4

CONNECTION DETAIL AT POINT 'B2'
90MM PURITION TEE CONNECTION
NOT TO SCALE



SCHEDULE OF FITTINGS - POINT 'B2'		
REF.	DESCRIPTION	No.
1	TEE AF NP16/25 DI BLUE EC 80MM	1
2	PIPE DF NP16/25 DI BLUE EC 80 X 350 MM	2
3	PURITON PUPP FLANGE SDR 17 90 X 80MM	3
4	90mm EF COUPLING PURITON	3
5	90mm PURITON BARRIER PIPE 10 Bar SDR17 (LENGTH TO SUIT)	-
6	HYDRANT INLINE 80MM	
	PIPE DF NP16/25 DI BLUE EC 80 X 250MM	1
	TEE AF NP16/25 DI BLUE EC 80MM	1
7	VALVE SLUICE ACC 80MM	2
FL	FLANGE SET 80MM NP16 (M16 X 80 BOLT)	8

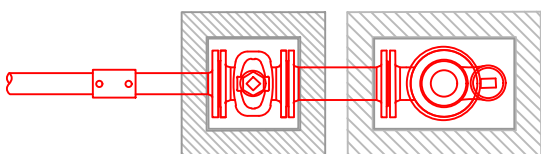
CONNECTION DETAIL AT POINT 'E2'
90MM AND 63MM PURITION TEE CONNECTION
NOT TO SCALE



SCHEDULE OF FITTINGS - POINT 'E2'		
REF.	DESCRIPTION	No.
1	PURITON PUPP FLANGE SDR 17 90 X 80MM	2
2	90mm EF COUPLING PURITON	2
3	90mm PURITON BARRIER PIPE 10 Bar SDR17 (LENGTH TO SUIT)	-
4	TEE AF NP16/25 DI BLUE EC 80MM	1
5	PIPE DF NP16/25 DI BLUE EC 80 X 350 MM	1
6	VALVE SLUICE ACC 80MM	2
7	63mm PURITON PIPE PE 80 (LENGTH TO SUIT)	-
8	PURITON COUPLER 63 MECHANICAL COMPRESSION FITTING	2
9	63 x 80 FLANGE ASSY PURITON PUPP 16 Bar	2
FL	FLANGE SET 80MM NP16 (M16 X 80 BOLT)	6

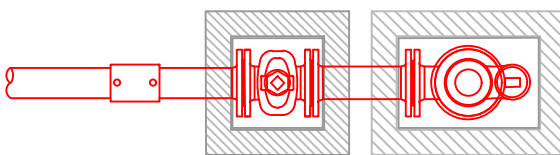
CONNECTION DETAIL AT POINT 'D1', 'E1', 'F2' 'G2', 'H3', 'J3' AND 'K3'
63MM PURITON END HYDRANT
NOT TO SCALE

NOTE!
THE ORIENTATION OF CONNECTION
IS DETAILED IN DRAWING REF
WMR0002437.001.01



SCHEDULE OF FITTINGS - POINT 'D1', 'E1', 'F2', 'G2', 'H3', 'J3', 'K3'		
REF.	DESCRIPTION	No.
1	63mm PURITON PIPE PE 80 (LENGTH TO SUIT)	-
2	PURITON COUPLER 63 MECHANICAL COMPRESSION FITTING	1
3	63 x 80 FLANGE ASSY PURITON PUPP 16 Bar	1
4	VALVE SLUICE ACC 80MM	1
5	PIPE DF NP16/25 DI BLUE EC 80 X 350 MM	1
6	HYDRANT END - DI 80MM	1
	PIPE DF NP16/25 DI BLUE EC 80 X 250MM	1
	BEND DKFT DF NP16/25 DI BLUE EC 80MM	1
	HYDRANT SQUAT C/W FROST VALVE SS OUTLET	1
FL	FLANGE SET 80MM NP16 (M16 X 80 BOLT)	3

NOTE!
THE ORIENTATION OF CONNECTION
IS DETAILED IN DRAWING REF
WMR0002437.001.01



CONNECTION DETAIL AT POINT 'D2', AND 'G3'
90MM PURITON END HYDRANT
NOT TO SCALE

SCHEDULE OF FITTINGS - POINT 'D2' AND 'G3'		
REF.	DESCRIPTION	No.
1	90mm PURITON BARRIER PIPE 10 Bar SDR17 (LENGTH TO SUIT)	-
2	90mm EF COUPLING PURITON	1
3	PURITON PUPP FLANGE SDR 17 90 X 80MM	1
4	VALVE SLUICE ACC 80MM	1
5	PIPE DF NP16/25 DI BLUE EC 80 X 350 MM	1
6	HYDRANT END - DI 80MM	1
	PIPE DF NP16/25 DI BLUE EC 80 X 250MM	1
	BEND DKFT DF NP16/25 DI BLUE EC 80MM	1
	HYDRANT SQUAT C/W FROST VALVE SS OUTLET	1
FL	FLANGE SET 80MM NP16 (M16 X 80 BOLT)	3

NOTES

1DWR CYMRU CYF GIVES THIS INFORMATION AS TO THE POSITION OF ITS UNDERGROUND APPARATUS BY WAY OF GENERAL GUIDANCE ONLY ON THE STRICT UNDERSTANDING THAT IT IS BASED ON THE BEST INFORMATION AVAILABLE AND NO WARRANTY AS TO ITS CORRECTNESS IS RELIED UPON IN THE EVENT OF EXCAVATIONS OR OTHER WORKS MADE IN THE VICINITY OF THE COMPANY'S APPARATUS AND ANY ONUS OF LOCATING THE APPARATUS BEFORE CARRYING OUT ANY EXCAVATIONS RESTS ENTIRELY ON YOU. IT MUST BE UNDERSTOOD THAT THE FURNISHING OF THE INFORMATION IS ENTIRELY WITHOUT PREJUDICE TO THE PROVISION OF THE NEW ROAD AND STREET WORKS ACT 1991 AND THE COMPANY'S RIGHT TO BE COMPENSATED FOR ANY DAMAGE TO ITS APPARATUS. SERVICE PIPES ARE NOT GENERALLY SHOWN BUT THEIR PRESENCE SHOULD BE ANTICIPATED.

2EXACT LOCATIONS OF ALL APPARATUS TO BE DETERMINED ON SITE.

01	DESIGN ISSUE	DGJ	GJJ	-	10.02.22
ISSUE	DESCRIPTION	AUTH	CKD	APPD	DATE

CLIENT	PERSIMMON HOMES
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PROJECT	AFAN LIDO (ABERAVON BEACH), THE PRINCESS MARGARET WAY, CHANNEL VIEW, PORT TALBOT SA12 6QN
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TITLE	CONNECTION DETAILS PART 1 OF 2 DESIGN ISSUE
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SCALE A1	AS SHOWN
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PROJECT CODE	DRAWING NO.	ISSUE
WMR0002567	003	01