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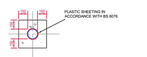
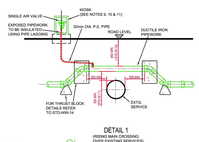
DO NOT SCALE: CONTRACTOR TO CHECK ALL DIMENSIONS AND REPORT ANY ERRORS OR OMISSIONS



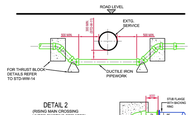
CROSS SECTION
(CONCRETE SURROUND)

1. ALL DIMENSIONS IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
2. O.D. REFERS TO OUTSIDE DIAMETER OF PIPES OR COLLARS.
3. BENDS AT RESPECTIVE CROSSINGS SHALL BE INDICATED ON THE LONGITUDINAL SECTION DRAWING.
4. PIPEWORK AT CROSSING POINT TO BE DUCTILE IRON TO EN 598.
5. THRUST BLOCKS TO BE PROVIDED AS PER ETSI-W-14 AT ALL TEES, BENDS, TAPERS, DEAD ENDS AND PIPES AT STEEP SLOPES.
6. THE DEVELOPER IS TO SEEK ADVICE FROM IRISH WATER AS TO WHETHER A DUPLICATE MAIN IS TO BE PROVIDED AT THE CROSSING. IF NECESSARY THE DEVELOPER IS TO SUBMIT A DESIGN TO IRISH WATER FOR REVIEW.
7. ALL CONCRETE TO BE IN ACCORDANCE WITH EN 206.
8. ALL DUCTILE IRON PIPEWORK TO BE IN ACCORDANCE WITH EN 598. ALL PE STATIONLINE PIPEWORK TO BE IN ACCORDANCE WITH EN 12201.
9. THE QUALITY OF THE WORK CONSTRUCTION SHALL ENSURE THAT THE FOLLOWING IS ACHIEVED:

   A) A THERMAL TRANSMITTANCE OF 1.5W PER m².
   B) A FIRE RESISTANCE RETENTION OF EITHER(?) INTEGRITY AND INSULATION EQUIVALENT TO CLASS E OF BS 476, WHEN TESTED IN ACCORDANCE WITH BS 476 FOR A PERIOD EXCEEDING 30 MINUTES.
10. KIOSK (MIN. 900 HIGH x 400 WIDE x 300mm DEEP) TO BE CONSTRUCTED FROM THERMOSETTING U V & WEATHER RESISTANT GLASS FIBRE REINFORCED POLYESTER MATERIAL. ALL FIXINGS TO BE MADE FROM A4 GRADE STAINLESS STEEL. MAY BE USED AS AN ALTERNATIVE KIOSK MATERIAL, PARTICULARLY IN SEVERE ENVIRONMENTS, SUBJECT TO AGREEMENT WITH IRISH WATER. COLOUR TO BE HOLLY GREEN BS 4800 N C 39. TO HAVE HINGED, LOCKABLE ACCESS DOOR (WIDER AND LOCKS TO BE STAINLESS STEEL).
11. THE KIOSK SHALL BE LOCATED OFF THE FOOTPATH SO AS NOT TO IMPEDE PEDESTRIANS AND POSITIONED SO AS TO FACILITATE SAFE ACCESS FOR MAINTENANCE PERSONNEL.
12. AIR VALVE TAPPING TO BE LOCATED AT HIGHEST POINT OF CROSSING.



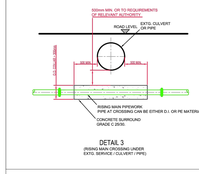
DETAIL 1
(RISING MAIN CROSSING
OVER EXISTING SERVICES)



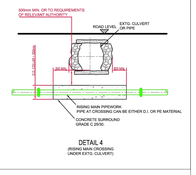
DETAIL 2
(RISING MAIN CROSSING
UNDER EXISTING SERVICES)

PE TO DI DETAIL

PE TO DI DETAIL



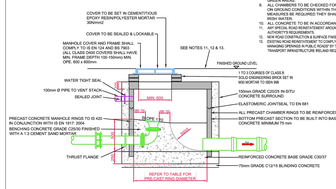
DETAIL 3
(RISING MAIN CROSSING UNDER
EXTG. SERVICE / CULVERT / PIPE)



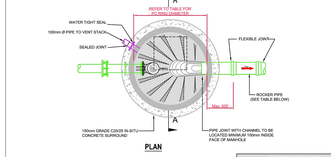
DETAIL 4
(RISING MAIN CROSSING
UNDER EXTG. CULVERT)

STD-WW-24A

1. ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
2. PRECAST MANHOLE UNITS (UNITS) TO COMPLY WITH REQUIREMENTS OF IS EN 1917 UNLESS NOTED.
3. THICKER MANHOLE BASES REQUIRED FOR SEWERS IN EXCESS OF 300mm DIA. THE BASE SHALL BE THE SAME DIA. AS THE MANHOLE BARREL SIZE.
4. CAST IN-SITU CONCRETE BASE, GRADE C30/37 CONCRETE TO IS EN 206 INCORPORATING CHANNEL BENCHING ETC.
5. ALL MANHOLE COVERS AND FRAMES TO BE CONFIRMED BY THE DEVELOPER AND SUBMITTED TO IRISH WATER FOR REVIEW.
6. MANHOLE ROOF SLABS SHALL BE DESIGNED TO CARRY ALL LIVE AND DEAD LOADS. THE MINIMUM SIZE OF THE ACCESS HOLE SHALL BE 600mm AND THE THICKNESS OF 200MM. ALTERNATIVELY, PRE-CAST CONCRETE ROOFS MAY BE USED, SUBJECT TO NI REVIEW. DEVELOPER SHALL SUBMIT A CERTIFICATE OF DESIGN IN ACCORDANCE WITH BA5D & BD6-1977 IN RESPECT ALL PRECAST UNITS.
7. COVERS AND FRAMES SHALL BE SUITABLE FOR ROAD AND TRAFFIC LOADING. SEE NOTES 11, 12 & 13 FOR ADDITIONAL DETAILS.
8. 200mm ALL AROUND, 100mm DEEP CONCRETE PLINTH AROUND COVERS IN GREEN AREAS.
9. ALL COVERS TO BE CHECKED FOR UPLIFT BY THE DEVELOPER BASED ON GROUND CONDITIONS WITHIN THE SITE. SHOULD ANTI-FLOTATION MEASURES BE REQUIRED THEY SHALL BE SUBJECT TO REVIEW BY NI RIVERS.
10. ALL CONCRETE TO BE IN ACCORDANCE WITH IS EN 206.
11. AP SPECIAL ROAD REINSTATEMENT AROUND COVER & FRAME SHALL BE TO ROAD AUTHORITY REQUIREMENTS.
12. NEW ROAD CONSTRUCTION & SURFACE PAVER TO BE TO ROAD AUTHORITY REQUIREMENTS.
13. EXISTING ROAD REINSTATEMENT TO COMPLY WITH CURRENT VERSION OF "GUIDELINES FOR REINSTATEMENT OF ROADS" PUBLISHED BY THE DEPT. OF TRANSPORT, TOURISM & SPORT, OR TRANSPORT INFRASTRUCTURE IRELAND REQUIREMENTS.



SECTION A-A



PLAN

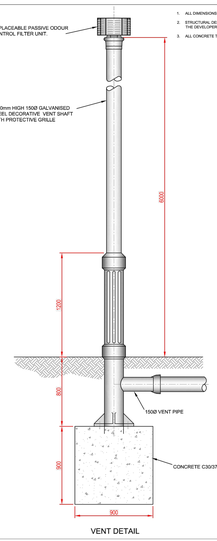
MINIMUM MANHOLE DIAMETERS	
DIAMETER OF LARGEST PIPE IN MANHOLE (mm)	INTERNAL DIAMETER OF MANHOLE (mm)
LESS THAN 150	1500

ROCKER PIPE LENGTH	
PIPE DIAMETER (0mm)	ROCKER PIPE LENGTH (mm)
150 TO 450	450
GREATER THAN 450 TO 750	1000
GREATER THAN 750	1200

* SEWERS GREATER THAN 450mm Ø ARE OUTSIDE THE SCOPE OF THE STANDARD DETAILS.
UNDER MANHOLE SIZE OF THESE CHAMBERS MAY BE REQUIRED DUE TO MULTIPLE PIPES WITHIN MANHOLE.

STD-WW-29

1. ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
2. STRUCTURAL DESIGN AND REINFORCEMENT DETAIL TO BE PROVIDED BY THE DEVELOPER AND SUBMITTED TO IRISH WATER FOR REVIEW.
3. ALL CONCRETE TO BE IN ACCORDANCE WITH IS EN 206



VENT DETAIL

STD-WW-34

ISSUED FOR PLANNING

Rev.	Note	Date	Drawn	Check
S2.P02	ISSUED FOR PLANNING	21.10.2025	AK	PD
S2.P01	ISSUED FOR INFORMATION	14.10.2025	BB	PD

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Project: BLOCK E, MARMALADE LANE, WYCKHAM AVENUE, DUNDRUM

Drawing Title: PROPOSED WASTEWATER DRAINAGE DETAILS SHT3

Drawn By:	Checked By:	Approved By:	Date:	Scale:	Sheet Size:
KD	PD	PD	AUG '24	AS SHOWN	A0

Project Number:	Drawing Number:	Status Code:	Rev Number:
DOBA2451	MLD-1-52-SW-XX-DR-DOB-CE-003030	S2	P02

TYPICAL SITE SPECIFIC DETAILS HIGHLIGHTED, FOR FURTHER SPECIFICATIONS AND DETAILS REFER TO UISCE EIREAN CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE (IW-CDS-5030-03) AND WASTEWATER INFRASTRUCTURE STANDARD DETAILS (IW-CDS-5030-01)