

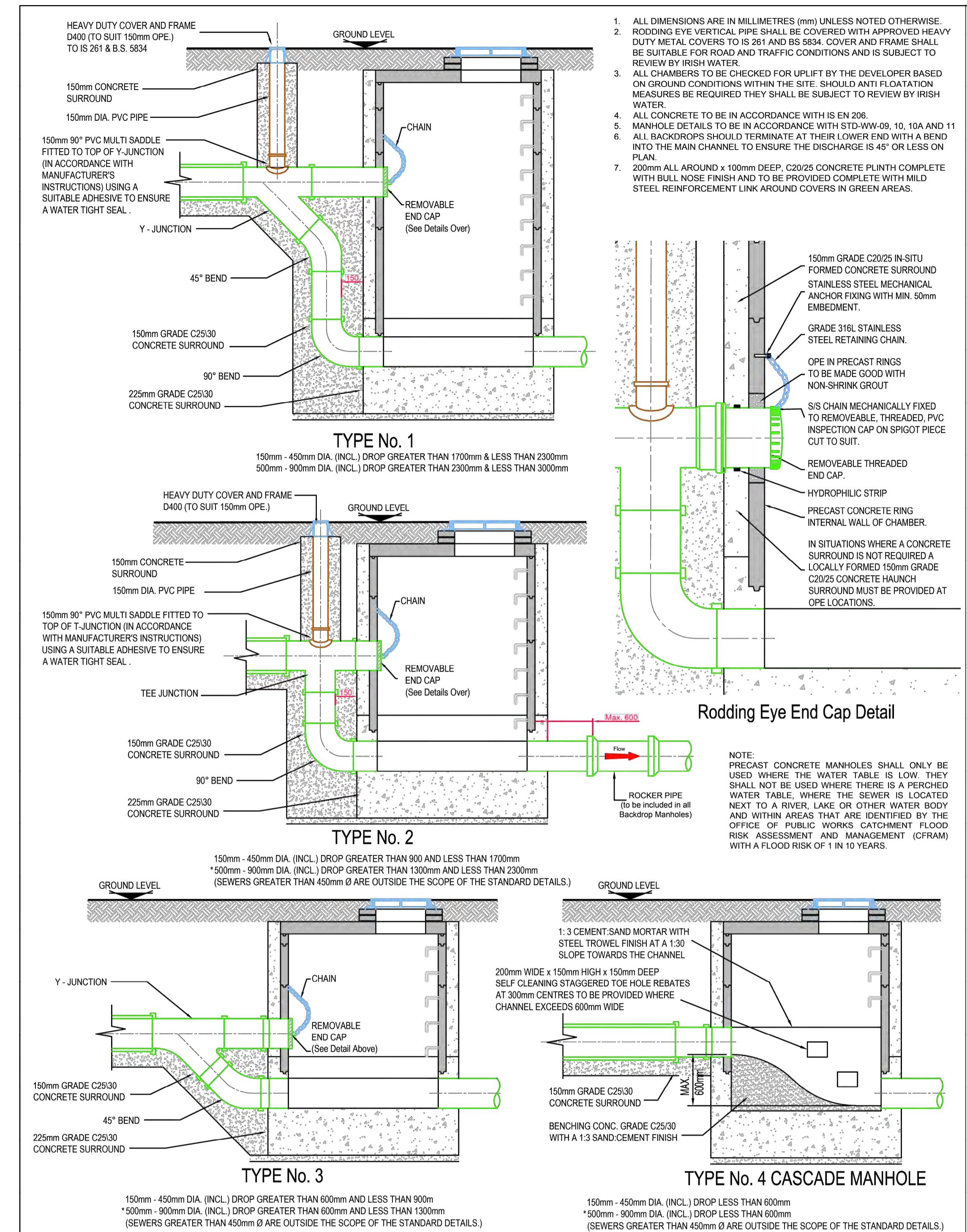
MINIMUM MANHOLE DIAMETERS			
DIAMETER OF LARGEST PIPE IN MANHOLE (mm)	INTERNAL DIAMETER OF MANHOLE (mm)	MIN. PRECAST ROOF SLAB EFFECTIVE THICKNESS (mm)	MIN. IN-SITU ROOF SLAB THICKNESS (mm)
LESS THAN 375	1200	160	225
375 TO 450	1350	160	225
500 TO 750*	1500	170	225

ROCKER PIPE LENGTH	
PIPE DIAMETER (mm)	ROCKER PIPE LENGTH (mm)
150 TO 600	600
GREATER THAN 600 TO 750 *	1000
GREATER THAN 750 *	1250

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

REFER TO INDEX SHEET FOR NOTES REGARDING DESIGN RESPONSIBILITY & RISK ASSESSMENT					
No.	Date	Dm	Chk	Description	App
3	07/20	RH	TOC	Notes Updated	MOD
2	11/17	JMCTOC		Added rocker pipe table, deep manhole detail, added & updated notes	MOD
1	08/16	JMCTOC		Added steps & revised access ope & cover notes	MOD
0	09/15	JMCTOC		Initial Issue	SL

STANDARD DETAILS - WASTEWATER		Scale 1:25	DATE SEPT. 2015
TITLE		DRAWING No.	REV
PRE-CAST CONCRETE MANHOLE WITH CAST IN-SITU BASE		STD-WW-10	3



REFER TO INDEX SHEET FOR NOTES REGARDING DESIGN RESPONSIBILITY & RISK ASSESSMENT					
No.	Date	Dm	Chk	Description	App
3	07/20	RH	TOC	Cascade manhole Type 4 added, end cap detail added, notes updated, file updated	MOD
2	11/17	JMCTOC		Updated notes	MOD
1	08/16	JMCTOC		Added steps	MOD
0	09/15	JMCTOC		Initial Issue	SL

STANDARD DETAILS - WASTEWATER		Scale 1:25	DATE SEPT. 2015
TITLE		DRAWING No.	REV
BACKDROP AND CASCADE MANHOLES		STD-WW-12	3

- Standard Irish Water Detail References:**
- STD-WW-01 Waste water service connection responsibility
 - STD-WW-03 Drain & Service connection pipework
 - STD-WW-04 Typical Sewer/ Service pipe connection
 - STD-WW-05 Typical Service layout indicating separation distances
 - STD-WW-07 Trench Backfill & Bedding
 - STD-WW-08 Concrete bed, Haunch & surround to wastewater pipes
 - STD-WW-10 Pre-cast concrete manhole
 - STD-WW-12 Backdrop manholes
 - STD-WW-13 Private side inspection chamber
 - STD-WW-14 Thrust blocks for rising main
 - STD-WW-15 Scour valve chamber (Foul rising main <200mmØ)
 - STD-WW-17 Sluice valve details for rising mains Polyethylene (P.E.) Pipe (<200mmØ)
 - STD-WW-18 Air valve chamber (Foul rising main <200mmØ)

Refer to dwg no. 6296-5020 for plan layout