

LIST OF IRISH WATER STANDARD DETAILS BROUGHT INTO THE CONTRACT

STD-W-04	GENERAL PIPE CONNECTIONS (SHEET 1 OF 7)
STD-W-05	GENERAL PIPE CONNECTIONS (SHEET 2 OF 7)
STD-W-06	GENERAL PIPE CONNECTIONS (SHEET 3 OF 7)
STD-W-07	GENERAL PIPE CONNECTIONS (SHEET 4 OF 7)
STD-W-08	GENERAL PIPE CONNECTIONS (SHEET 5 OF 7)
STD-W-09	GENERAL PIPE CONNECTIONS (SHEET 6 OF 7)
STD-W-10	GENERAL PIPE CONNECTIONS (SHEET 7 OF 7)
STD-W-11	TYPICAL SERVICE LAYOUT INDICATING SEPARATION DISTANCES
STD-W-12	RESTRICTIONS ON TREES / SHRUBS PLANTING ADJACENT TO WATERMANS
STD-W-13	TRENCH BACKFILL & BEDDING
STD-W-14	SLUICE VALVE FOR DUCTILE IRON (D.I.) PIPE (<350MM DIA) (SHEET 1 OF 2)
STD-W-15	SLUICE VALVE FOR POLYETHYLENE (P.E.) PIPE (<350MM DIA) (SHEET 2 OF 2)
STD-W-16	ON-LINE HYDRANT FOR DUCTILE IRON (D.I.) PIPE (SHEET 1 OF 4)
STD-W-17	ON-LINE HYDRANT FOR DUCTILE IRON (D.I.) PIPE (SHEET 2 OF 4)
STD-W-18	ON-LINE HYDRANT FOR POLYETHYLENE (P.E.) PIPE (SHEET 3 OF 4)
STD-W-19	ON-LINE HYDRANT FOR POLYETHYLENE (P.E.) PIPE (SHEET 4 OF 4)
STD-W-20	ON-LINE AIR VALVE FOR DUCTILE IRON (D.I.) PIPE (SHEET 1 OF 4)
STD-W-21	ON-LINE AIR VALVE FOR DUCTILE IRON (D.I.) PIPE (SHEET 2 OF 4)
STD-W-22	ON-LINE AIR VALVE FOR POLYETHYLENE (P.E.) PIPE (SHEET 3 OF 4)
STD-W-23	ON-LINE AIR VALVE FOR POLYETHYLENE (P.E.) PIPE (SHEET 4 OF 4)
STD-W-24	PRESSURE REDUCING / SUSTAINING VALVE (P.R.V./P.S.V.) CHAMBER
STD-W-25	METER CHAMBER (<350MM DIA)
STD-W-27	MARKED PIPES / PLATES
STD-W-28	WATER MAIN THRUST & SUPPORT BLOCKS
STD-W-30	SCOUR CHAMBER & HEAD WALL ARRANGEMENTS
STD-W-30A	INSULATED HYDRANT
STD-W-31	TYPICAL DITCH / STREAM CROSSING FOR WATER MAIN

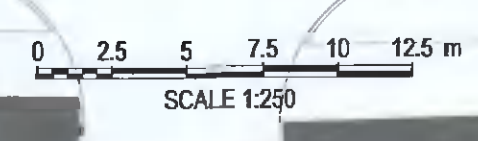
NOTES

- ALL DRAWINGS TO BE CHECKED BY CONTRACTOR ON SITE AND ENGINEER INFORMED OF DISCREPANCIES BEFORE WORK COMMENCES
- ALL LEVELS ARE IN METRES AND ARE RELATED TO ORDNANCE DATUM
- ALL DIMENSIONS TO BE IN MILLIMETERS UNLESS NOTED OTHERWISE
- CONTRACTOR SHALL SATISFY HIMSELF AS TO THE ACCURACY OF PAVEMENT LEVELS ON SITE PRIOR TO COMMENCEMENT OF WORKS ON SITE
- ALL SURFACE WATER DRAINAGE WORKS TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL AUTHORITY'S CODE OF PRACTICE FOR DRAINAGE AND THE GOODS
- ALL SURFACE WATER SEWERS TO BE CLASS H CONCRETE TO EN1916 & IS 6 2004.
- ALL FOUL DRAINAGE WORKS TO BE IN ACCORDANCE WITH IRISH WATER'S CODE OF PRACTICE FOR WASTEWATER SUPPLY AND WASTEWATER INFRASTRUCTURE STANDARD DETAILS.
- FOUL SEWERS TO BE THERMOPLASTIC STRUCTURED WALL PIPES (COMPLYING WITH THE PROVISIONS OF IS EN 13476 AND MS 4-35-01 2000) AND COMPLY WITH THE REQUIREMENTS OF THE IRISH WATER CODE OF PRACTICE
- WATERMAIN INSTALLATION AND ALL WATER SUPPLY WORKS TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF IRISH WATER'S CODE OF PRACTICE FOR WATER SUPPLY AND WATER INFRASTRUCTURE STANDARD DETAILS
- WATERMANS TO BE TYPE HPPE, PE-100, SDR-17 RATED AND SHALL CONFORM TO IS EN 12201 (PART 1, PART 2 & PART 3).
- WATERMAIN SERVICE CONNECTION PIPES TO BE HDPE (PE-80) MATERIAL WITH SDR-17 RATING
- ANCHOR BLOCKS TO BE POSITIONED AT DEAD ENDS, TEES, BENDS AND AT EACH SIDE OF HYDRANTS AND VALVES IN ACCORDANCE WITH THE REQUIREMENTS OF IRISH WATER STANDARD DETAIL STD-W-28 (WATER MAIN THRUST AND SUPPORT BLOCKS)
- HYDRANT OUTLET TO BE 200mm BELOW GROUND LEVEL UNLESS REQUESTED OTHERWISE
- WHERE COVER TO PIPE IS LESS THAN 900mm IN GREEN AREAS AND 1200mm IN TRAFFICKED AREAS, ENCASE PIPE IN NEW 150mm CONCRETE WITH MOVEMENT JOINTS.

LEGEND

	PROPOSED HPPE (PE80 SDR 17) WATERMAIN
	SLUICE VALVES AS PER IRISH WATER STANDARD DETAIL STD-W-14/15
	HYDRANTS AS PER IRISH WATER STANDARD DETAIL STD-W-16/18
	AIR VALVES AS PER IRISH WATER STANDARD DETAIL STD-W-20/23
	PROPOSED BOUNDARY BOX AND HDPE SERVICE CONNECTION (PE80 SDR 17)
	METER CHAMBER AS PER IRISH WATER STANDARD STD-W-26
	EXISTING WATERMAIN
	SITE BOUNDARY
	PROPOSED BUILDING
	PROPOSED FOOTPATH
	PROPOSED ROADWAY
	EXTENT OF BASEMENT

USTORE-IT LIFFEY VALLEY  
GROUND FFL = 58.500  
BASEMENT FFL = 55.000



NOT FOR CONSTRUCTION

Rev	Date	Description	By	Chk
P1	28/04/22	CFI RESPONSE	SM	SJ
P	15/10/21	PLANNING SUBMISSION	SM	SJ

PLANNING

**gdcl**  
CONSULTING ENGINEERS

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PROJECT  
U-Store-It, Liffey Valley

CLIENT  
Oceanglade Ltd

DRAWING TITLE  
Proposed Watermain Layout

dm. by: PTC	date: Dec '19	scale: 1:250
drawing size: A1	chk: SJ	app: GD
job no: P2005	drg. no: P2005-C-202	rev: P1