

- 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 TO TREES / SHRUBS PLANTING ADJACENT TO WASTEWATER PIPES
 - STD-W-12 TRENCH BACKFILL & BEDDING
 - STD-W-13 TRENCH BACKFILL & BEDDING
 - STD-W-14 SLICE VALVE FOR DUCTILE IRON (D.I.) PIPE ($\leq 300\text{mm}$ DIA) (SHEET 1 OF 2)
 - STD-W-15 SLICE VALVE FOR POLYETHYLENE (P.E.) PIPE ($\leq 300\text{mm}$ DIA) (SHEET 2 OF 2)
 - STD-W-16 ON-LINE HYDRANT FOR DUCTILE IRON (D.I.) PIPE (SHEET 1 OF 4)
 - STD-W-17 OFF-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 OFF-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 OFF-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 OFF-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 ($\leq 300\text{mm}$ DIA)
 - STD-W-26 WATER MAIN THURST & SUPPORT BLOCKS
 - STD-W-27 SCOUR CHAMBER & HEAD WALL ARRANGEMENTS
 - STD-W-28 INSULATED HYDRANT
 - STD-W-29 TYPICAL DITCH / STREAM CROSSING FOR WATER MAIN

- LIST OF IRISH WATER WASTEWATER STANDARD DETAILS BROUGHT INTO THE CONTRACT
- STD-W-02 TYPICAL LAYOUT FOR SEWER WITHIN NEW DEVELOPMENT
 - STD-W-03 DRAIN AND SERVICE CONNECTION PIPEWORK
 - STD-W-04 TYPICAL SERVICE PIPE CONNECTION
 - STD-W-05 TYPICAL SERVICE LAYOUT INDICATING SEPARATION DISTANCES TO TREES / SHRUBS PLANTING ADJACENT TO WASTEWATER PIPES
 - STD-W-06 RESTRICTIONS ON TREES / SHRUBS PLANTING ADJACENT TO WASTEWATER PIPES
 - STD-W-07 TRENCH BACKFILL & BEDDING
 - STD-W-08 CONCRETE BED, MANHOLE & SURROUND TO WASTEWATER PIPES
 - STD-W-09 BLOCKWORK MANHOLE ($\leq 450\text{mm}$ DIA)
 - STD-W-10 PRE-CAST CONCRETE MANHOLE
 - STD-W-11 IN-SITU CONCRETE MANHOLE
 - STD-W-12 BACKDROP MANHOLES
 - STD-W-13 PRIVATE SIDE INSPECTION CHAMBER

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 CDSIS
- 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 PROVISION OF IS EN 13476 AND WS 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 HPPE (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 THURST 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 Foul Manhole
- Proposed Foul Sewer
- Proposed Foul Downpipe with Roofing Eye
- Proposed Foul Collector Drain
- Proposed Surface Water Manhole
- Proposed Surface Water Sewer
- Proposed Surface Water Downpipe with Roofing Eye
- Proposed Linear Surface Drain (ACO OSA)
- Proposed Linear Surface Drain at Basement Slab Level (ACO OSA)
- Proposed HPPE (PE100 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 HPPE Service Connection (PE80 SDR 17)
- Meter Chamber as per Irish Water Standard STD-W-26
- Existing Spot/Road Level
- Proposed Road/Spot Level
- Existing Foul Sewer
- Existing Surface Water Sewer
- Existing Watermain
- Site Boundary
- Proposed Building
- Proposed Footpath
- Proposed Roadway
- Proposed Attenuation Facility
- Proposed Permeable Paving
- Extent of Basement

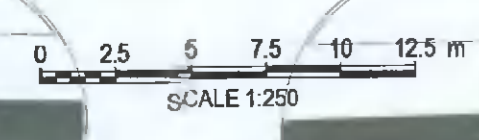
Rev	Date	Description	By	Chk
P2	28/04/22	CFI RESPONSE	SM	SJ
P1	25/01/22	RFI RESPONSE	SM	SJ
P	15/10/21	PLANNING SUBMISSION	SM	SJ

PLANNING

gdcl
CONSULTING ENGINEERS

Scope House, 75 Shelton Street, Covent Garden, Dublin D12 K8PP
www.gdclconsulting.com

PROJECT	U-Store-It, Liffey Valley		
CLIENT	Oceanglade Ltd		
DRAWING TITLE	Combined Underground Services (Civil)		
dm. by: PTC	date: Dec '19	scale: 1:250	
drawing size: A1	chk: SJ	app: GD	
job no: P2005	dig. no: P2005-C-201	rev: P2	



NOT FOR CONSTRUCTION

