

LIST OF IRISH WATER STANDARD DETAILS BROUGHT INTO THE CONTRACT

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| 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 WATERWAYS |
| 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 | 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 (300mm DIA.) |
| STD-W-26 | MARKER PIPES / SLATES |
| STD-W-27 | WATER MAIN THRUST & SUPPORT BLOCKS |
| STD-W-28 | SCOUR CHAMBER & HEAD WALL ARRANGEMENTS |
| STD-W-29 | WASCOFF HYDRANT |
| STD-W-30 | TYPICAL DITCH / STREAM CROSSING FOR WATER MAIN |

LIST OF IRISH WATER WASTEWATER STANDARD DETAILS BROUGHT INTO THE CONTRACT

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| STD-WW-02 | TYPICAL LAYOUT FOR SEWER WITHIN NEW DEVELOPMENT |
| STD-WW-03 | DRAIN AND SERVICE CONNECTION PIPEWORK |
| STD-WW-04 | TYPICAL SERVICE/SEWER PIPE CONNECTION |
| STD-WW-05 | TYPICAL SERVICE LAYOUT INDICATING SEPARATION DISTANCES |
| STD-WW-06 | RESTRICTIONS ON TREES/SHRUBS PLANTING ADJACENT TO SEWERS |
| STD-WW-07 | TRENCH BACKFILL & BEDDING |
| STD-WW-08 | CONCRETE BED, HAUNCH & SURROUND TO WASTEWATER PIPES |
| STD-WW-09 | BLOCKWORK MANHOLE (<450mm) |
| STD-WW-10 | PRE-CAST CONCRETE MANHOLE |
| STD-WW-11 | IN-SITU CONCRETE MANHOLE |
| STD-WW-12 | BACKDROP MANHOLES |
| STD-WW-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 MILLIMETRES 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 GDSIS
- 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 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

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| | 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) |
| | EXISTING SURFACE WATER SEWER |
| | SITE BOUNDARY |
| | PROPOSED BUILDING |
| | PROPOSED FOOTPATH |
| | PROPOSED ROADWAY |
| | PROPOSED PERMEABLE PAVING |
| | EXTENT OF BASEMENT |
| | PROPOSED GREEN ROOF |
| | PROPOSED ATTENUATION FACILITY |

| Rev | Date | Description | By | Chk |
|-----|----------|---------------------|----|-----|
| P | 28/10/22 | PLANNING SUBMISSION | SM | SJ |

PLANNING

gdcl
CONSULTING ENGINEERS

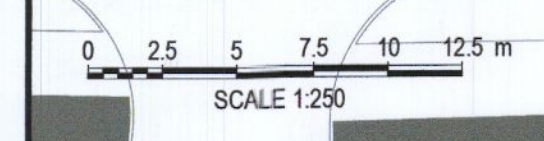
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PROJECT
U-Store-It, Liffey Valley

CLIENT
Oceanglade Ltd

DRAWING TITLE
Proposed Surface Water Layout

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|------------------|----------------------|--------------|
| dm. by: SM | date: Oct 22 | scale: 1:250 |
| drawing size: A1 | chk: SJ | app: GD |
| job no: P2005 | drw. no: P2005-C-304 | rev: p |



NOT FOR CONSTRUCTION

