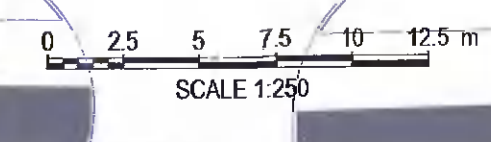


- LIST OF IRISH WATER STANDARD DETAILS BROUGHT INTO THE CONTRACT
- STD-W-04 GENERAL PIPE CONNECTIONS (SHEET 1 OF 7)
 - STD-W-05 GENERAL PIPE CONNECTIONS (SHEET 2 OF 7)
 - STD-W-06 GENERAL PIPE CONNECTIONS (SHEET 3 OF 7)
 - STD-W-07 GENERAL PIPE CONNECTIONS (SHEET 4 OF 7)
 - STD-W-08 GENERAL PIPE CONNECTIONS (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
 - STD-W-13 TRENCH BACKFILL & BEDDING
 - STD-W-14 SLUICE VALVE FOR DUCTILE IRON (D.I.) PIPE (C350MM DIA) (SHEET 1 OF 2)
 - STD-W-15 SLUICE VALVE FOR POLYETHYLENE (P.E.) PIPE (C300MM 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/RV/P/SV) CHAMBER
 - STD-W-26 METER CHAMBER (C300MM DIA)
 - STD-W-27 MANHOLE POSTS / FLUES
 - STD-W-28 WATER MAIN THRUST & SUPPORT BLOCKS
 - STD-W-30 SCOUR CHAMBER & HEAD WALL ARRANGEMENTS
 - STD-W-30A WACKET HYDRANT
 - STD-W-31 TYPICAL DITCH / STREAM CROSSING FOR WATER MAIN

- LIST OF IRISH WATER WASTEWATER STANDARD DETAILS BROUGHT INTO THE CONTRACT
- 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 DEEL, MANHOLE & SURROUND TO WASTEWATER PIPES
 - STD-WW-09 BLOODORNER MANHOLE (C450mm)
 - STD-WW-10 PRE-CAST CONCRETE MANHOLE
 - STD-WW-11 IN-SITU CONCRETE MANHOLE
 - STD-WW-12 BACKFLOW MANHOLE
 - STD-WW-13 FRAME SIZE 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 COSTS
 - 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
- 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 (ACC OSA)
 - PROPOSED LINEAR SURFACE DRAIN AT BASEMENT SLAB LEVEL (ACC 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 S PER IRISH WATER STANDARD DETAIL STD-W-20/23
 - PROPOSED BOUNDARY BOX AND HPPE SERVICE CONNECTION (PER STD-W-26)
 - 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 PERMEABLE PAVING
 - EXTENT OF BASEMENT



NOT FOR CONSTRUCTION

Rev	Date	Description	SM	SJ
P	15/10/21	PLANNING SUBMISSION	SM	SJ

PLANNING

gdcl
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PROJECT
U-Store-It, Liffey Valley

CLIENT
Oceanglade Ltd

DRAWING TITLE
Combined Underground Services (Civil)

dra. by: PTC	date: Dec '19	scale: 1:250
drawing size: A1	chk: SJ	app: GD
job no: P2005	rev: P2005-C-201	rev: P