



- 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 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 (5300MM DIA.)
 - STD-W-26 METER CHAMBER (3300MM DIA.)
 - STD-W-27 MARKER POSTS / PLATES
 - STD-W-28 WATER MAIN THRUST & SUPPORT BLOCKS
 - STD-W-29 SCOUR CHAMBER & HEAD WALL ARRANGEMENTS
 - STD-W-30 SCOUR CHAMBER / HEAD WALL ARRANGEMENTS
 - STD-W-31 TYPICAL DITCH / STREAM CROSSING FOR WATER MAIN



- NOTES**
1. ALL DRAWINGS TO BE CHECKED BY CONTRACTOR ON SITE AND ENGINEER INFORMED OF DISCREPANCIES BEFORE WORK COMMENCES
 2. ALL LEVELS ARE IN METRES AND ARE RELATED TO ORDNANCE DATUM
 3. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE
 4. CONTRACTOR SHALL SATISFY HIMSELF AS TO THE ACCURACY OF PAYMENT LEVELS ON SITE PRIOR TO COMMENCEMENT OF WORKS ON SITE
 5. ALL SURFACE WATER DRAINAGE WORKS TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL AUTHORITY'S CODE OF PRACTICE FOR DRAINAGE AND THE GBSDS
 6. ALL SURFACE WATER SEWERS TO BE CLASS H CONCRETE TO EN1916 & IS 6 2004.
 7. ALL FOUL DRAINAGE WORKS TO BE IN ACCORDANCE WITH IRISH WATER'S CODE OF PRACTICE FOR WASTEWATER SUPPLY AND WASTEWATER INFRASTRUCTURE STANDARD DETAILS.
 8. FOUL SEWERS TO BE THERMOPLASTIC STRUCTURED WALL PIPES (COMPLYING WITH THE PROVISION OF IS EN 13476 AND MS 4-35-01 2000) AND COMPLY WITH THE REQUIREMENTS OF THE IRISH WATER CODE OF PRACTICE
 9. 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.
 10. WATERMANS TO BE TYPE HPPE, PE-100, SDR-17 RATED AND SHALL CONFORM TO IS EN 12201 (PART 1, PART 2 & PART 3).
 11. WATERMAIN SERVICE CONNECTION PIPES TO BE HDPE (PE-80) MATERIAL WITH SDR-17 RATING.
 12. RISING MAIN PIPES AND FITTINGS TO BE POLYETHYLENE PE100 AND SHALL COMPLY WITH IS EN 12201.
 13. 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).
 14. ALL DOMESTIC PROPERTIES TO BE WITHIN 46m FROM A HYDRANT.
 15. HYDRANT OUTLET TO BE 200mm BELOW GROUND LEVEL UNLESS REQUESTED OTHERWISE.
 16. WHERE COVER TO PIPE IS LESS THAN 900mm IN GREEN AREAS AND 1200mm IN TRAFFICKED AREAS, EXCAVE PIPE IN NEW 150mm CONCRETE WITH MOVEMENT JOINTS.

- LEGEND**
- 150mm PE100 SDR17 WATERMAIN
 - SLUICE VALVES AS PER IRISH WATER STANDARD DETAIL STD-W-14/15
 - AIR VALVES AS PER IRISH WATER STANDARD DETAIL STD-W-22/23
 - HYDRANTS AS PER IRISH WATER STANDARD DETAIL STD-W-16/18
 - METER CHAMBER AS PER IRISH WATER STANDARD STD-W-26
 - SCOUR VALVE
 - PROPOSED BOUNDARY BOX AND HOPE SERVICE CONNECTION (PE20 SDR 17)
 - BULK WATER METER AS PER IRISH WATER STANDARD STD-W-26
 - FS EXISTING FOUL SEWER
 - SW EXISTING SURFACE WATER SEWER
 - WM EXISTING WATERMAIN
 - SITE OUTLINED RED (0.469ha)
 - BASEMENT OUTLINE
 - PROPOSED BUILDING

Rev	Date	Description	By	CHK
P1	20/04/22	ISSUED FOR PLANNING	SM	SJ
P	02/09/21	ISSUED FOR PLANNING	SM	SJ

PLANNING

gdcl
CONSULTING ENGINEERS

Scope House, 75 Shelton Street, Covent Garden, London WC2H 9JQ
Dublin D12 K6PP www.gdalycconsulting.com

PROJECT
Silver Granite, Palmerstown

CLIENT
Hollyville Investments Ltd.

DRAWING TITLE
Proposed Watermain Layout

dm. by: SM	date: OCT20	scale: 1:200
drawing size: A1	chk: SJ	app: GD
job no: P-2012	dig. no: P-2012-C-102	rev: P1

NOT FOR CONSTRUCTION