

**NOTES**

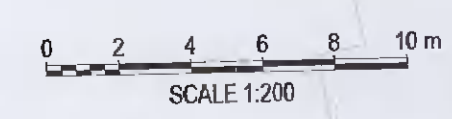
1. ALL DRAWINGS TO BE CHECKED BY CONTRACTOR ON SITE AND ENGINEER INFORMED OF DISCREPANCIES BEFORE WORK COMMENCES
2. ALL LEVELS ARE IN METRES AND ARE RELATED TO ORDNANCE DATUM
3. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE
4. CONTRACTOR SHALL SATISFY HIMSELF AS TO THE ACCURACY OF PAVEMENT 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 CEDES
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 PROVISIONS OF IS EN 13476 AND WIS 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.
9. WATERMANS TO BE TYPE HFPE, PE-100, SDR-17 RATED AND SHALL CONFORM TO IS EN 12201 (PART 1, PART 2 & PART 3).
10. WATERMAIN SERVICE CONNECTION PIPES TO BE HDPE (PE-80) MATERIAL WITH SDR-17 RATING.
11. RISING MAIN PIPES AND FITTINGS TO BE POLYETHYLENE TEREPHTHALATE AND SHALL COMPLY WITH IS EN 12201.
12. 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.
13. ALL DOMESTIC PROPERTIES TO BE WITHIN 46m FROM A HYDRANT.
14. HYDRANT OUTLET TO BE 200mm BELOW GROUND LEVEL UNLESS REQUESTED OTHERWISE.
15. 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 HFPE(PE100 SDR 17) 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
- SECUR VALVE
- PROPOSED BOUNDARY BOX AND HEPE SERVICE CONNECTION (PE80 SDR 17)
- BULK WATER METER AS PER IRISH WATER STANDARD STD-W-26
- FS --- EXISTING FOUL SEWER
- SW --- EXISTING SURFACE WATER SEWER
- W --- EXISTING WATERMAIN
- SITE OUTLINED RED (0.465ha)
- BASEMENT OUTLINE
- PROPOSED BUILDING

**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 (<500MM DIA.)
STD-W-26	METER CHAMBER (<500MM DIA.)
STD-W-27	MARKER POSIS / PLATES
STD-W-28	WATER MAIN THRUST & SUPPORT BLOCKS
STD-W-29	SECUR CHAMBER & HEAD WALL ARRANGEMENTS
STD-W-30	WASHOUT HYDRANT
STD-W-31	TYPICAL DITCH / STREAM CROSSING FOR WATER MAIN



Rev	Date	ISSUED FOR PLANNING Description	SM	SJ
P	02/09/21	ISSUED FOR PLANNING	SM	SJ

**PLANNING**



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**PROJECT**  
Silver Granite, Palmerstown

**CLIENT**  
Hollyville Investments Ltd.

**DRAWING TITLE**  
Proposed Watermain Layout

dm. by: SM	date: OCT'20	scale: 1:200
drawing size: A1	chk: SJ	app: GD
job no: P-2012	drg. no: P-2012-C-102	rev: P

**NOT FOR CONSTRUCTION**