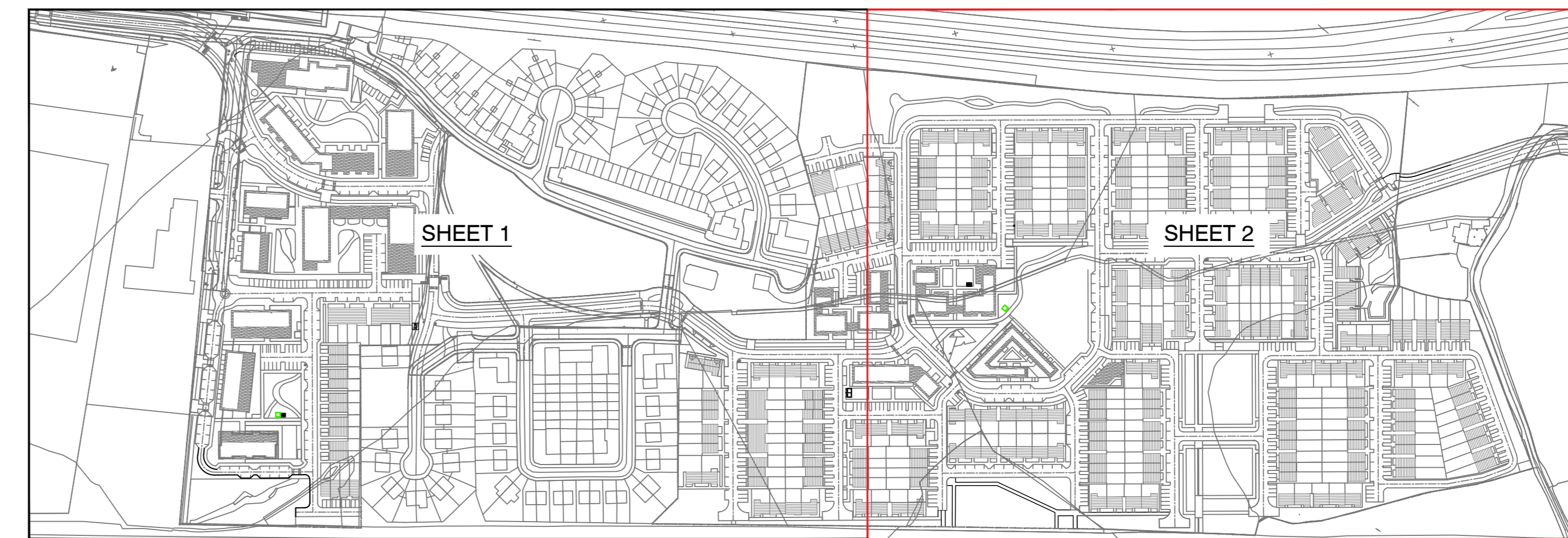
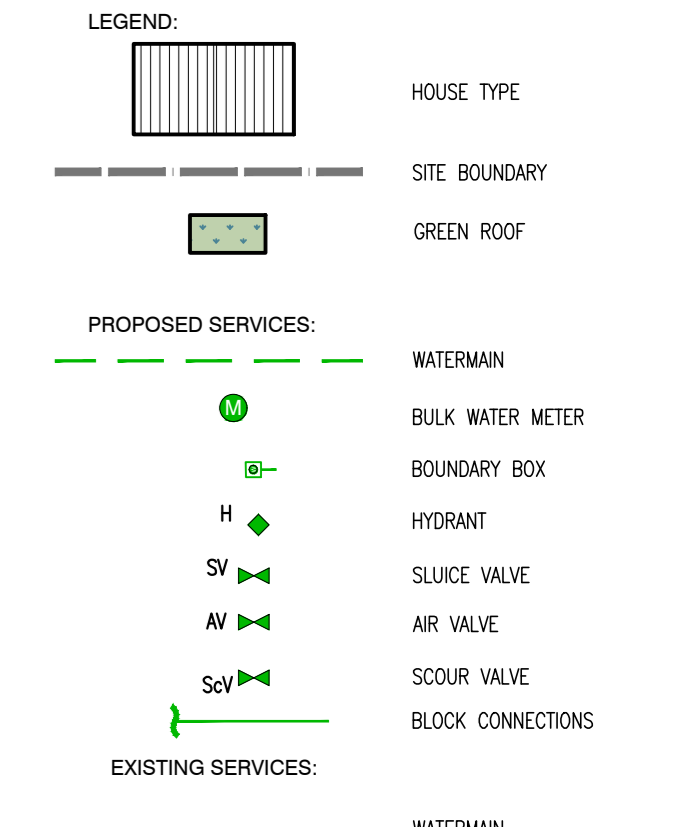


- NOTES:**
- ALL DIMENSION AND LEVELS IN METRES, EXCEPT IF NOTED OTHERWISE.
  - ALL LEVELS TO MAIN HEAD DATUM.
  - COORDINATE SYSTEM IS HIGH TRANSVERSE MERCATOR. LEVELS AND POSITIONS OF ALL EXISTING SERVICES TO BE CONFIRMED ON SITE PRIOR TO CONSTRUCTION.
  - WATERMAIN MATERIALS TO BE DUCTILE IRON PIPE (PRESSURE RATING 4000 OR PIPE TYPE F160(S01)) MOPE (TYPE PER-S011) SPECIFICATION SHALL BE IN ACCORDANCE WITH SECTION 3.10 OF IRISH WATER CODE OF PRACTICE.
  - SERVICE CONNECTIONS TO BE SPFC (TYPE PER-S011) OR MOPE (TYPE PER-S011). SPECIFICATION SHALL BE IN ACCORDANCE WITH SECTION 3.10 OF IRISH WATER CODE OF PRACTICE.
  - COVER TO WATERMAIN TO BE MINIMUM 800MM.
  - COVER TO SERVICE CONNECTIONS TO BE MINIMUM 750MM.
  - HYDRANTS TO BE MIN. 4.4M MAXIMUM FROM BUILDINGS.
  - ALL COVERS IN PUBLIC AREAS TO BE EN 124 OR UNLESS NOTED OTHERWISE.
  - SPIGOT SOCKET CONNECTIONS TO BE USED AT PVC DUCTILE IRON JUNCTIONS.
  - ANCHOR BLOCKS TO BE POSITIONED AT DEAD ENDS, TEES, BENDS AND AT EACH SIDE OF HYDRANTS AND VALVES.
  - FOR APARTMENT BLOCKS, METER WELLS TO BE INSTALLED INTERNALLY WITHIN THE PREMISES IN ACCORDANCE WITH THE BUILDING CONTROL AUTHORITY REQUIREMENTS AND SUBJECT TO REVIEW BY IRISH WATER. SEE SECTION 3.15.2 OF THE IRISH WATER CODE OF PRACTICE.
  - BULK METERS ARE TO BE PROVIDED WHERE THE DAILY DEMAND EXCEEDS ONE EQUIVALENT OF 40 DOMESTIC UNITS IN ACCORDANCE WITH SECTION 2.4.3 AND 2.6.5 OF THE IRISH WATER CODE OF PRACTICE.
  - AIR VALVE AND HYDRANT COVERS WHERE LOCATED IN GRASS AREAS SHALL BE SURROUNDED BY CONCRETE PUNTS 200MM ALL ROUND AND 100MM DEEP FORMED WITH C20/25 CONCRETE 20MM AGGREGATE. SEE SECTION 3.18.4.1 OF THE IRISH WATER CODE OF PRACTICE. THE PUNTS SHALL INCORPORATE MILD STEEL REINFORCEMENT LINKS AND SHALL HAVE A BALL JOSE FINISH AROUND ITS ENTIRE PERIMETER. SEE SECTION 3.18 OF IRISH WATER CODE OF PRACTICE.
  - NOTE RESTRICTIONS ON PLANTING ADJACENT TO WATERMANS AS PER DETAIL LW DETAIL STD W-10.
  - NOTE TYPICAL SERVICE LAYOUT DESIGN IS HORIZONTAL AND VERTICAL TO 45° PER LW DETAIL STD W-11.
  - SCOUR VALVE UP LINE PIPE CONNECTED TO SURFACE WATER MANHOLE A NON RETURN VALVE IS TO BE PROVIDED IN THE MANHOLE TO PREVENT BACKFLOW TO THE WATER SUPPLY NETWORK SYSTEM. CONNECTION TO BE AGREED WITH THE LOCAL AUTHORITY. REFER TO SECTION 3.16.4 AND 3.21 OF THE IRISH WATER CODE OF PRACTICE.
  - AN AIR VALVE IS PROVIDED AT THE HIGH POINT. REFER TO SECTION 3.16.6 OF IRISH WATER CODE OF PRACTICE.
  - IF A CONNECTION TO A SURFACE WATER MANHOLE IS NOT FEASIBLE PROVIDE A CONNECTION TO A WASHOUT HYDRANT IN ACCORDANCE WITH IRISH WATER DETAIL STD W-10A.
  - A SCOUR VALVE IS LOCATED AT THE LOW POINT AND CONNECTED TO A SURFACE WATER MANHOLE WITH A NON RETURN VALVE. REFER TO SECTION 3.16.6 & 3.21 OF THE IRISH WATER CODE OF PRACTICE.
  - SLUICE VALVES PROVIDED AT ALL JUNCTIONS. REFER TO SECTION 3.16.2 AND 3.16.3 OF THE IRISH WATER CODE OF PRACTICE.
  - MEASURES TO PREVENT CONTAMINATION OF WATER SUPPLY NETWORK SHALL BE PROVIDED AS PER SECTION 3.18 OF THE IRISH WATER CODE OF PRACTICE. REFER TO IRISH WATER DETAIL STD W-10A.
  - NEW WATERMANS UP TO AND INCLUDING 150mm IN DIAMETER SHALL NOT BE ADJACENT TO AN EXISTING PROPOSED STRUCTURE. SEE SECTION 3.5.5 OF IRISH WATER CODE OF PRACTICE.
  - NEW WATERMANS BETWEEN 200mm & 800mm IN DIAMETER SHALL NOT BE ADJACENT TO AN EXISTING OR PROPOSED STRUCTURE. SEE SECTION 3.5.5 OF IRISH WATER CODE OF PRACTICE.
  - ALL WORKS TO BE UNDERTAKEN IN ACCORDANCE WITH:
    - IRISH WATER CODE OF PRACTICE FOR WATER INFRASTRUCTURE AND "IRISH WATER INFRASTRUCTURE STANDARD DETAILS".
    - FI SPECIFICATION FOR ROADWORKS.
    - GREATER DUBLIN CITY CODE OF PRACTICE FOR DRAINAGE WORKS.
    - RECOMMENDATIONS FOR SITE DEVELOPMENT WORKS COVERED BY THE CONSTRUCTION PRODUCTS REGULATION (NO 302011) CPR.
  - ALL MATERIALS PROPOSED FOR USE ON SITE TO BE APPROVED PRIOR TO ARRIVAL ON SITE.
  - REFER TO ARCHITECT LANDSCAPE ARCHITECT FOR ROOF PROTECTION DETAIL. ROOF PROTECTION SHALL BE IN ACCORDANCE WITH IRISH WATER DETAIL STD W-10A.



KEYPLAN



P11	25/01/22	ISSUED FOR PLANNING	JPM	LML
01	01/01/22	REVISION	BY	25/01/22
client approval	A	Approved		
	B	Approved with amendments		
	C	Do not use		

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PROJECT: LISHWOLLEN RESIDENTIAL DEVELOPMENT AT BRANNY ROAD, LISHWOLLEN, ATHLONE, CO. WESTMEATH

WATERMAIN LAYOUT - SHEET 2 OF 2

DELPHI ARCHITECTS

designed by	author	scale	sheet size
drawing no.	LML	K50	A3
drawing date	180176-DBFL-WM-SP-DR-C-1032		P01