

ON ORIGINAL

- NOTES:
1. ALL DIMENSION AND LEVELS IN METRES, EXCEPT IF NOTED OTHERWISE.
  2. ALL LEVELS TO MAIN HEAD DATUM.
  3. CO-ORDINATE SYSTEM IS HIGH TRANSVERSE MERCATOR.
  4. LEVELS AND POSITIONS OF ALL EXISTING SERVICES TO BE CONFIRMED ON SITE PRIOR TO CONSTRUCTION.
  5. WATERMAIN MATERIALS TO BE DUCTILE IRON OR PRESSURE RATING HDPE OR PPPE (TYPE F160/S07) MOPE (TYPE PER-S011). SPECIFICATION SHALL BE IN ACCORDANCE WITH SECTION 3.0 OF IRISH WATER CODE OF PRACTICE.
  6. SERVICE CONNECTIONS TO BE HDPE (TYPE PER-S011) OR MOPE (TYPE PER-S011). SPECIFICATION SHALL BE IN ACCORDANCE WITH SECTION 3.1 OF IRISH WATER CODE OF PRACTICE.
  7. COVER TO WATERMAIN TO BE MINIMUM 900MM.
  8. COVER TO SERVICE CONNECTIONS TO BE MINIMUM 750MM.
  9. HYDRANTS TO BE MIN. 4.4M MAXIMUM FROM BUILDINGS.
  10. ALL COVERS IN PUBLIC AREAS TO BE EN 124 D400 UNLESS NOTED OTHERWISE.
  11. SPOUT SOCKET CONNECTIONS TO BE USED AT PVC DUCTILE IRON JUNCTIONS.
  12. ANCHOR BLOCS TO BE POSITIONED AT DEAD ENDS, TEES, BENDS AND AT EACH SIDE OF HYDRANTS AND VALVES.
  13. FOR APARTMENT BLOCKS, AMETER FILL SHALL 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.
  14. 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.
  15. AIR VALVE AND HYDRANTS COVERS, WHERE LOCATED IN GRASS AREAS, SHALL BE SURROUNDED BY A CONCRETE PAVEMENT 200MM ALL ROUND AND 100MM DEEP FORMED WITH C20/25 CONCRETE. 200MM AGGREGATE TO BE USED IN GRASS OR MATERIAL. THE PLINTH SHALL INCORPORATE MILD STEEL REINFORCEMENT LINKS AND SHALL HAVE A BALL ROSE FINISH AROUND THE EXTERNAL PERIMETER. SEE SECTION 3.16 OF IRISH WATER CODE OF PRACTICE.
  16. NOTE RESTRICTIONS ON PLANTING ADJACENT TO WATERMANS AS PER DETAIL LW DETAIL STD-W-12A.
  17. NOTE TYPICAL SERVICE LAYOUT DISTANCES (HORIZONTALLY AND VERTICALLY) AS PER LW DETAIL STD-W-11.
  18. SCOUR VALVE ON 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.
  19. AN AIR VALVE PROVIDED AT THE HIGH POINT REFER TO SECTION 3.16.6 OF IRISH WATER CODE OF PRACTICE.
  20. IF A CONNECTION TO A SURFACE WATER MANHOLE IS NOT FEASIBLE, PROVIDE A CONNECTION TO A WASHOUT HYDRANT IN ACCORDANCE WITH IRISH WATER STANDARD DETAIL STD-W-18A. A SURFACE WATER MANHOLE WITH A NON RETURN VALVE REFER TO SECTION 3.16.4 & 3.21 OF THE IRISH WATER CODE OF PRACTICE.
  21. SLUICE VALVES PROVIDED AT ALL JUNCTIONS. REFER TO SECTION 3.16.2 AND 3.5.9 OF THE IRISH WATER CODE OF PRACTICE.
  22. MEASURES TO BE IN PLACE TO ENSURE NO CROSS CONTAMINATION OCCURS BETWEEN THE FIRE WATER STORAGE AND POTABLE WATER WITHIN THE SUPPLY INFRASTRUCTURE AS PER SECTION 1.9 OF THE IRISH WATER CODE OF PRACTICE. REFER TO AME CONSULTANTS DRAWINGS FOR DETAILS.
  23. NEW WATERMANS UP TO AND INCLUDING 150MM IN DIAMETER SHALL NOT BE Laid WITHIN 3m OF AN EXISTING OR PROPOSED STRUCTURE. SEE SECTION 3.5.5 OF IRISH WATER CODE OF PRACTICE.
  24. NEW WATERMANS BETWEEN 200mm & 800mm IN DIAMETER SHALL NOT BE Laid WITHIN 6m OF AN EXISTING OR PROPOSED STRUCTURE. SEE SECTION 3.5.5 OF IRISH WATER CODE OF PRACTICE.
  25. ALL WORKS TO BE UNDERTAKEN IN ACCORDANCE WITH:
    - IRISH WATER CODE OF PRACTICE FOR WATER INFRASTRUCTURE
    - IRISH WATER INFRASTRUCTURE STANDARD DETAIL STD-W-11 (SPECIFICATION FOR DRINKING)
    - GREATER DUBLIN CODE OF PRACTICE FOR DRAINAGE WORKS
    - RECOMMENDATIONS FOR SITE DEVELOPMENT WORKS (CE CERTIFICATION TO BE PROVIDED FOR ALL PRODUCTS COVERED BY THE CONSTRUCTION PRODUCTS REGULATION (NO 302011-CPR).
  26. ALL MATERIALS PROPOSED FOR USE ON SITE TO BE APPROVED PRIOR TO ARRIVAL ON SITE.
  27. LEVELS AND POSITIONS OF ALL EXISTING SERVICES TO BE CONFIRMED ON SITE PRIOR TO CONSTRUCTION.
  28. REFER TO ARCHITECT LANDSCAPE ARCHITECT FOR ROOF PROTECTION DETAIL. ROOF PROTECTION SHALL BE IN ACCORDANCE WITH IRISH WATER STANDARD DETAIL STD-W-12A.

- LEGEND:
- HOUSE TYPE
  - SITE BOUNDARY
  - GREEN ROOF
  - PROPOSED SERVICES:
    - WATERMAIN
    - BULK WATER METER
    - BOUNDARY BOX
    - HYDRANT
    - SLUICE VALVE
    - AIR VALVE
    - SCOUR VALVE
    - BLOCK CONNECTIONS
  - EXISTING SERVICES:
    - WATERMAIN

DATE	20/01/22	ISSUED FOR PLANNING	APPROVED BY	LMCL
DATE	15/01/22	ISSUED FOR PERMIT	APPROVED BY	LMCL
DATE	15/01/22	ISSUED FOR CONSTRUCTION	APPROVED BY	LMCL

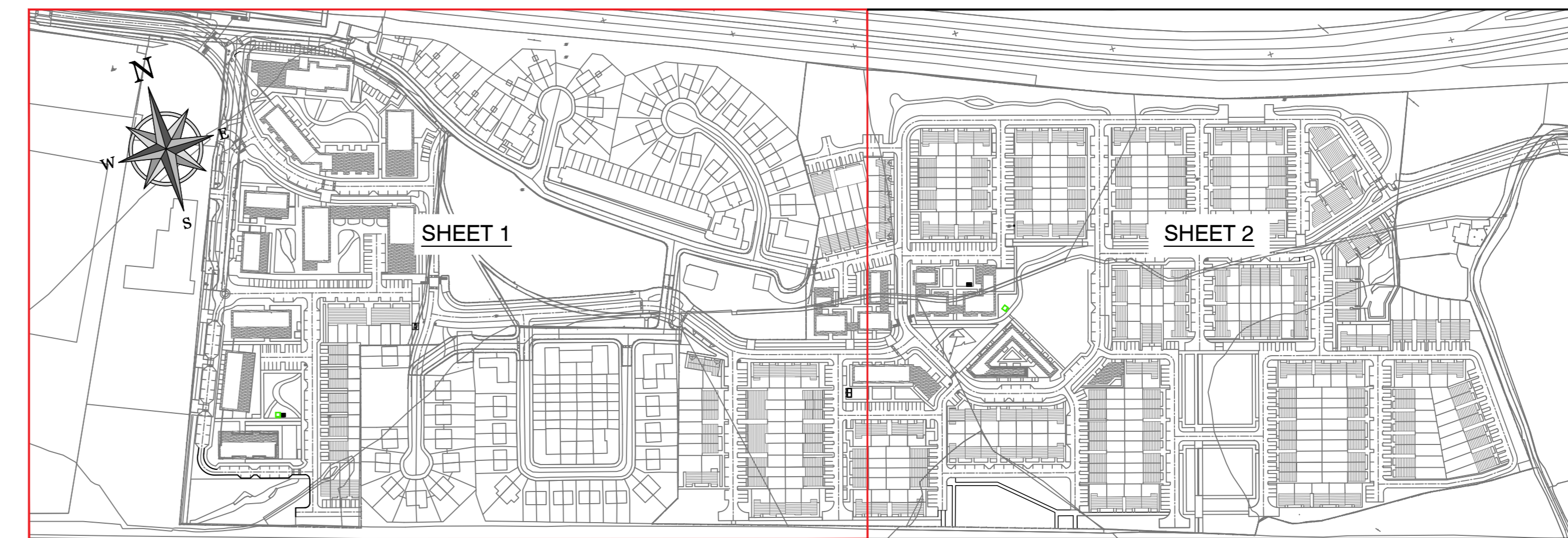
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Civil Structures & Transportation Engineering  
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PROJECT REF: L150710101 RESIDENTIAL DEVELOPMENT AT BRANNAY ROAD, L150710101 ATHLONE, CO. WESTMETH

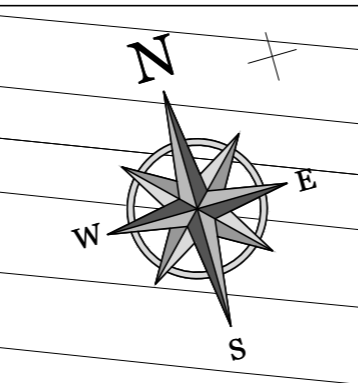
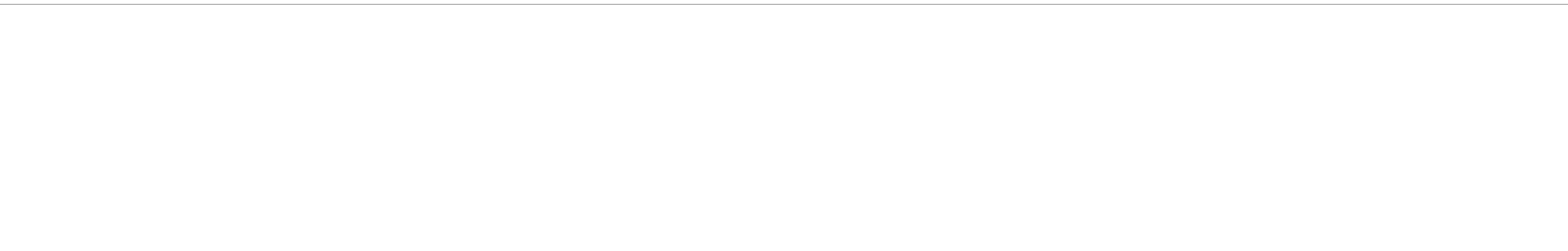
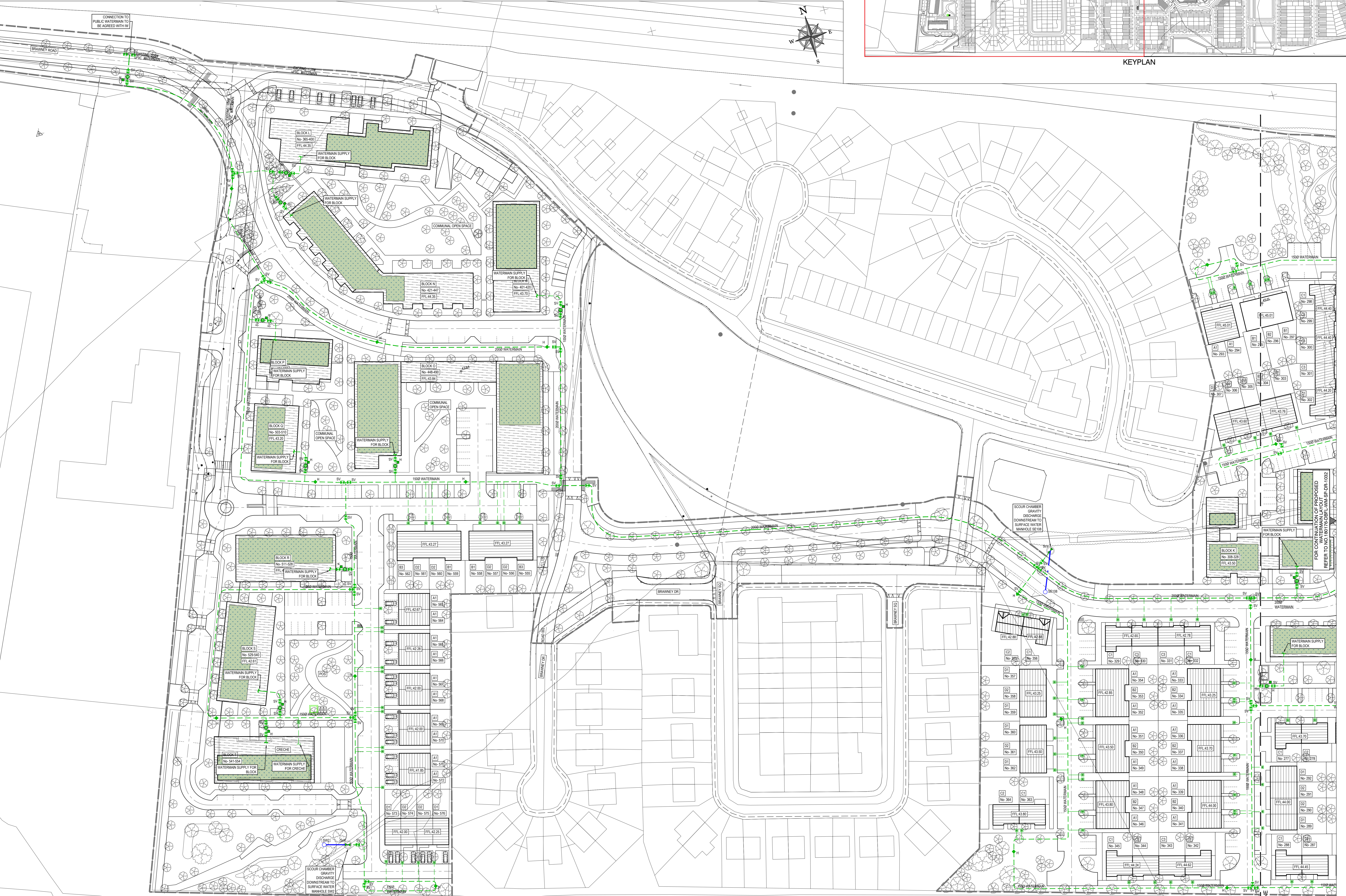
WATERMAIN LAYOUT - SHEET 1 OF 2

DELPHI ARCHITECTS

DESIGNED BY: LMCL  
CHECKED BY: KGD  
SCALE: 1:500  
SHEET SIZE: A3  
DRAWING NO.: 180176-DBFL-WM-SP-DR-C-1031  
P01



KEYPLAN



OLD RAIL TRAIL GREENWAY

MATCH LINE