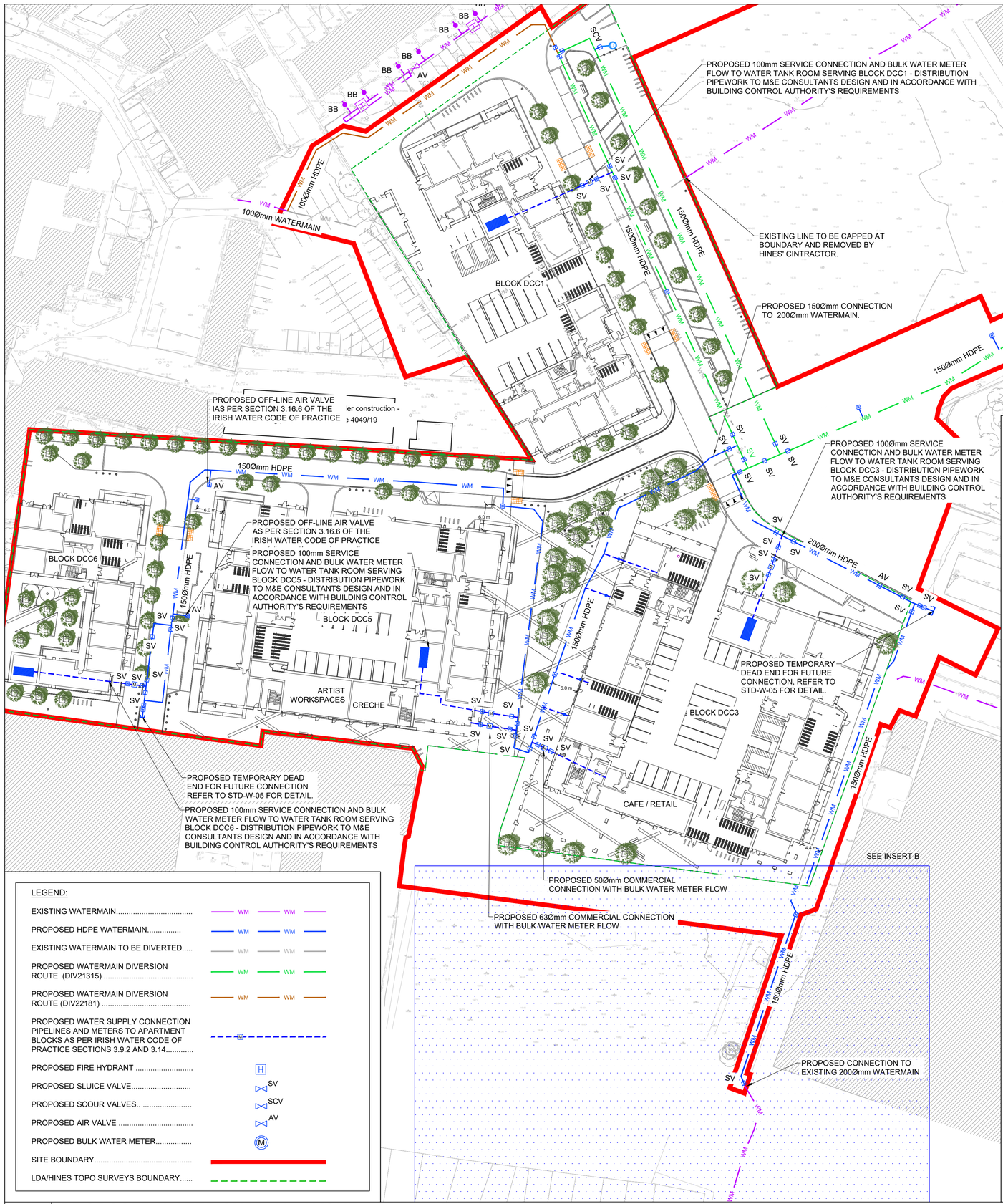
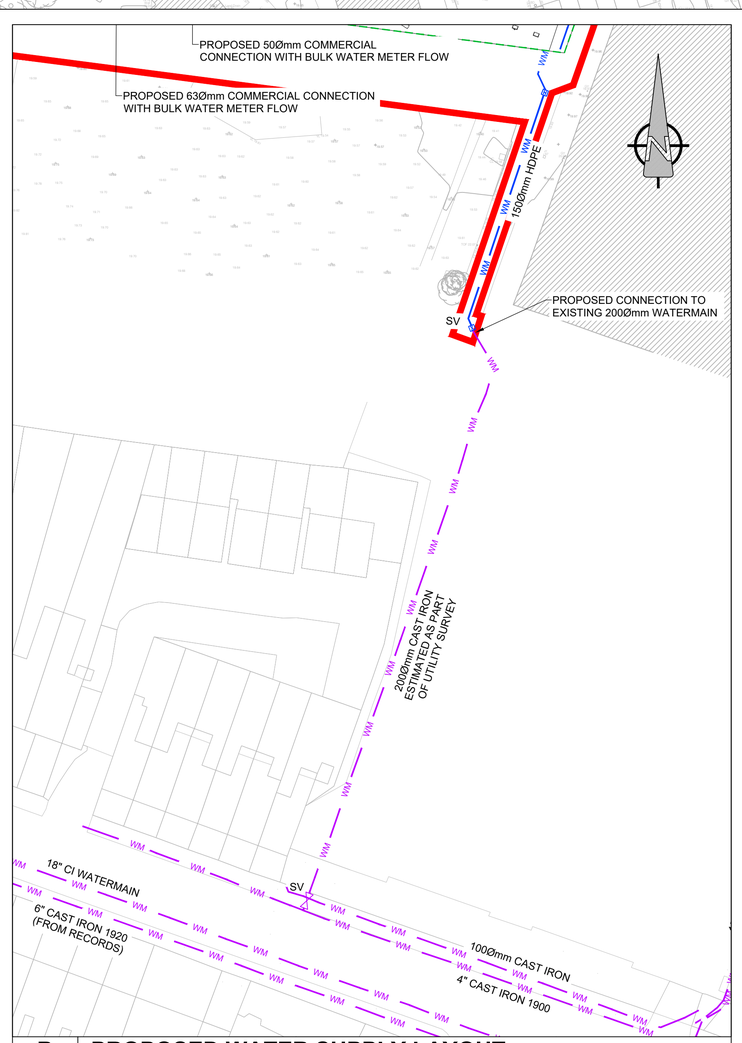
ISO A1 594mm x 841mm
Approved: LS
Project Management Initials: Drawn by: KM Checked: MI
Last saved by: KARL.MULLIGAN(2022-10-12) Last Plotted: 2022-11-16
Filename: \\NA.AECOMNET.COM\LFS\EMEA\DUBLIN-IEDBL2\LEGACY\IEDBL2FP0001\DATA\DCS\PROJECTS\BP\60648061_LDA_STG_TERESAS\900_CAD_GIS\904_CE\01_WIP\02_SHEETS\STAGE 1B - STANDALONE APPLICATION\STG-AEC-S1B-00-00-DR-C-0002701_WATERMAINLAYOUT.DWG
Printed on ___% Post-Consumer Recycled Content Paper



LEGEND:

EXISTING WATERMAIN	WM
PROPOSED HDPE WATERMAIN	WM
EXISTING WATERMAIN TO BE DIVERTED	WM
PROPOSED WATERMAIN DIVERSION ROUTE (DIV21315)	WM
PROPOSED WATERMAIN DIVERSION ROUTE (DIV22181)	WM
PROPOSED WATER SUPPLY CONNECTION PIPELINES AND METERS TO APARTMENT BLOCKS AS PER IRISH WATER CODE OF PRACTICE SECTIONS 3.9.2 AND 3.14	
PROPOSED FIRE HYDRANT	H
PROPOSED SLUICE VALVE	SV
PROPOSED SCOUR VALVES	SCV
PROPOSED AIR VALVE	AV
PROPOSED BULK WATER METER	M
SITE BOUNDARY	
LDA/HINES TOPO SURVEYS BOUNDARY	

A **PROPOSED WATER SUPPLY LAYOUT**
2701 Scale: 1:500



B **PROPOSED WATER SUPPLY LAYOUT**
2701 Scale: 1:500

ORDNANCE SURVEY IRELAND LICENCE NO **CYAL50217544**
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AECOM

PROJECT

DONORE PROJECT, DONORE AVENUE, DUBLIN 8

CLIENT

THE LAND DEVELOPMENT AGENCY (LDA)

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NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECTURAL AND ENGINEERING DRAWINGS, ANY DISCREPANCIES, ERRORS OR OMISSIONS TO BE BROUGHT TO THE ATTENTION OF THE DESIGNER.
2. ALL DIMENSIONS TO BE CHECKED BY THE CONTRACTOR ON SITE PRIOR TO COMMENCEMENT OF WORKS.
3. AECOM LIMITED TO BE INFORMED BY THE CONTRACTOR OF ANY DISCREPANCIES PRIOR TO THE COMMENCEMENT OF WORKS ON SITE.
4. DIMENSIONS OF ALL BOUNDARIES AND ADJOINING ROADS TO BE CHECKED ON SITE PRIOR TO COMMENCEMENT OF WORKS.
5. DO NOT SCALE. ALL MEASUREMENTS AND CO-ORDINATES TO BE CHECKED ON SITE.
6. CONTRACTOR TO REQUEST EXISTING RECORD DRAWINGS PRIOR TO COMMENCEMENT OF WORKS.
7. REFER TO IRISH WATER STANDARD DETAILS STD-W-12A AND STD-WW-06A FOR GUIDANCE ON PLANTING IN PROXIMITY TO WATERMAIN SERVICES.
8. THE LOCATION & DEPTH OF SERVICES TO BE CHECKED ON SITE PRIOR TO COMMENCING ANY WORKS.
9. THE DEVELOPMENT SHALL HAVE A BULK WATER METER (EXACT LOCATION TO BE AGREED WITH IRISH WATER) IN ACCORDANCE WITH IRISH WATER CODE OF PRACTICE SECTION 3.15.4.
10. ALL PROPOSED WATERMAIN PIPEWORK TO BE HDPE WITH MINIMUM PE80 RATING IN ACCORDANCE WITH IRISH WATER CODE OF PRACTICE FOR WATER INFRASTRUCTURE.
11. THE MINIMUM PIPE DIAMETER PROPOSED IS 100mm.
12. ALL WATERMAINS WILL HAVE A MINIMUM COVER OF 900mm. ALL SERVICE PIPES CONNECTING PROPERTIES WILL HAVE MINIMUM COVER OF 750mm.
13. HYDRANTS SHALL BE DOUBLE FLANGED DRILLED TO PN16 AND SHALL COMPLY WITH BS EN 14339, IS EN 1074 PART 6 AND 135 750. REFER TO IRISH WATER CODE OF PRACTICE FOR WATER INFRASTRUCTURE SECTION 3.16.5.
14. SLUICE VALVES HAVE BEEN PROVIDED SO THAT INDIVIDUAL SECTIONS CAN BE ISOLATED & WILL COMPLY TO BS 5163. THE DEPTH OF THE SLUICE VALVE SPINDLE CAP BELOW FINISHED GROUND WILL NOT EXCEED 300mm.
15. ALL WATERMAIN DETAILS TO BE IN ACCORDANCE WITH THE IRISH WATER CODE OF PRACTICE FOR WATER INFRASTRUCTURE.
16. HYDRANTS LOCATION & THE HYDRANT TYPE IS TO BE DETERMINED IN ACCORDANCE WITH DUBLIN CITY COUNCIL, IRISH WATER & THE CHIEF FIRE OFFICER'S REQUIREMENTS.
17. PROPOSED TREES WITHIN LANDSCAPED AREA TO BE PROVIDED WITH ROOT PROTECTION SYSTEM WITH NA APPROXIMATE DEPTH OF 1m.
18. THIS DESIGN DRAWING HAS BEEN DEVELOPED USING THE FOLLOWING TOPOGRAPHICAL SURVEYS; LDA SURVEY (MSL39995 REV1 21.05.2021) AND HINES' SURVEY (MSL35430 REV2 24.06.2020).

AECOM
PLANNING

ISSUE/REVISION

I/R	DATE	DESCRIPTION
0	18.11.2022	ISSUED FOR PLANNING

PROJECT NUMBER

60648061

SHEET TITLE

PROPOSED WATER SUPPLY LAYOUT

SHEET NUMBER

STG-AEC-S1b-00-00-DR-C-0002701