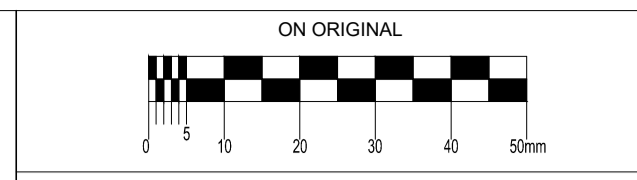


LEGEND	
	ROAD EDGE
	FOOTPATH EDGE
	ROAD CENTRELINE
	PROPOSED BUILDING
	PROPOSED BASEMENT
	FINISHED FLOOR LEVEL
PROPOSED SERVICES:	
	200mm WATERMAIN
	WATER SUPPLY TO BUILDING
	BULK WATER METER
	HYDRANT
	SLUICE VALVE
	AIR VALVE
	SCOUR VALVE
	BOUNDARY BOX
NEIGHBORING SITE EXISTING INFRASTRUCTURE:	
	WATERMAIN
	HYDRANT
	SLUICE VALVE
EXISTING PUBLIC SERVICES:	
	EX. 300mm WM
	EXISTING WATERMAIN
	EXISTING HYDRANT



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NOTES:

- ALL DIMENSIONS AND LEVELS IN METRES, EXCEPT IF NOTED OTHERWISE.
- ALL LEVELS TO MAIN HEAD DATUM.
- CO-ORDINATE SYSTEM IS: IRISH TRANSVERSE MERCATOR.
- REFER TO ARCHITECTS PLAN LAYOUTS FOR SITE BOUNDARY / CLIENT OWNERSHIP BOUNDARY / WORKS BOUNDARY.

- WATERMAIN:**
- WATERMAIN MATERIAL TO HDPE OR HPPE (TYPE PE100-SDR17). SPECIFICATION SHALL BE IN ACCORDANCE WITH SECTION 3.9 OF IRISH WATER CODE OF PRACTICE.
 - SERVICE CONNECTIONS TO BE HDPE (TYPE PE100-SDR17) OR MDPE (TYPE PE80-SDR11). SPECIFICATION SHALL BE IN ACCORDANCE WITH SECTION 3.9 OF IRISH WATER CODE OF PRACTICE.
 - COVER TO WATERMAIN TO BE MINIMUM 900mm.
 - COVER TO SERVICE CONNECTIONS TO BE MINIMUM 750mm.
 - HYDRANTS TO BE 6m MIN. & 46m MAXIMUM FROM BUILDINGS.
 - ALL COVERS IN PUBLIC AREAS TO BE EN 124 D400 UNLESS NOTED OTHERWISE.
 - ANCHOR BLOCKS TO BE POSITIONED AT DEAD ENDS, TEES, BENDS AND AT EACH SIDE OF HYDRANTS AND VALVES.
 - FOR APARTMENTS BLOCKS, A METER WILL BE INSTALLED INTERNALLY WITHIN THE PREMISES IN ACCORDANCE WITH THE BUILDING CONTROLS 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 20m³ (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 A CONCRETE PLINTH, 200mm ALL ROUND AND 100mm DEEP FORMED WITH C20/25 CONCRETE, 20mm AGGREGATE SIZE, BEDDED IN CLAUSE 808 MATERIAL. THE PLINTH SHALL INCORPORATE MILD STEEL REINFORCEMENT LINKS AND SHALL HAVE A BULL-NOSE FINISH AROUND ITS EXTERNAL PERIMETER. SEE SECTION 3.18 OF IRISH WATER CODE OF PRACTICE.
 - NOTE RESTRICTIONS ON PLANTING ADJACENT TO WATER MAINS AS PER DETAIL L.W. DETAIL STD-W-12A.
 - NOTE TYPICAL SERVICE LAYOUT DISTANCES (HORIZONTALLY AND VERTICALLY) AS PER L.W. DETAIL STD-W-11.
 - AN AIR VALVE IS PROVIDED AT THE HIGH POINT. REFER TO SECTION 3.16.6 OF IRISH WATER CODE OF PRACTICE.
 - A SCOUR VALVE IS LOCATED AT THE LOW POINT & CONNECTED TO A SURFACE WATER MANHOLE WITH A NON-RETURN VALVE. REFER TO SECTIONS 3.16.4 & 3.21 OF THE IRISH WATER CODE OF PRACTICE. CONNECTION TO BE AGREED WITH THE LOCAL AUTHORITY.
 - 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-30A.
 - SLUICE VALVES PROVIDED AT ALL JUNCTIONS. REFER TO SECTION 3.16.2 AND 3.5.39 OF THE IRISH WATER CODE OF PRACTICE.
 - MEASURES TO BE PUT IN PLACE TO ENSURE NO CROSS CONTAMINATION OCCURS BETWEEN THE FIRE WATER STORAGE AND POTABLE WATER WITHIN THE SUPPLY INFRASTRUCTURE AS PER SECTION 1.19 OF THE IRISH WATER CODE OF PRACTICE. REFER TO M&E CONSULTANTS DRAWINGS FOR DETAILS.
 - NEW WATERMANS UP TO AND INCLUDING 150mm IN DIAMETER SHALL NOT BE LAID WITHIN 3m OF AN EXISTING OR PROPOSED STRUCTURE. SEE SECTION 3.5.9 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".
 - TI SPECIFICATION FOR ROADWORKS.
 - GREATER DUBLIN CODE OF PRACTICE FOR DRAINAGE WORKS.
 - RECOMMENDATIONS FOR SITE DEVELOPMENT WORKS.
 - CE CERTIFICATION TO BE PROVIDED FOR ALL PRODUCTS COVERED BY THE EU CONSTRUCTION PRODUCTS REGULATION (NO.305/2011/EU).
 - ALL MATERIALS PROPOSED FOR USE ON SITE TO BE APPROVED PRIOR TO ARRIVAL ON SITE.
 - LEVELS AND POSITIONS OF ALL EXISTING SERVICES TO BE CONFIRMED ON SITE PRIOR TO CONSTRUCTION.
 - THE PROPOSED DISTRIBUTION SYSTEM TO THE COMMUNAL RESIDENTIAL DEVELOPMENT AND COMMERCIAL FACILITIES SHALL FACILITATE THE INSTALLATION OF APPROVED INDIVIDUAL METERS TO EACH INDIVIDUAL UNIT OR BUSINESS WITHIN THE DEVELOPMENT AND AGREED BY IRISH WATER.
 - FOR BOOSTED WATER SUPPLY SYSTEM AN ACCEPTABLE ISOLATION DEVICE SHALL BE PROVIDED USING A CONNECTION VIA AN UNRESTRICTED AIR-GAP DEVICE TO PREVENT BACKFLOW FROM THE INTERNAL WATER DISTRIBUTION SYSTEM.

ORDNANCE SURVEY IRELAND LICENCE
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GOVERNMENT OF IRELAND

rev	date	description	by	chkd.
0	10-06-22	ISSUED FOR PLANNING	CDC	LMCL

purpose acceptance
P3 - PLANNING PERMISSION S - ISSUED

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project ref.
MIXED USE DEVELOPMENT-CHADWICKS, SWORDS ROAD, SANTRY.

drawing title
PROPOSED WATERMAIN LAYOUT

client
Dwyer Nolan Developments

designed by	author	scale	sheet size
LMCL	DCH	1:250	A1
drawing no.	revision		
200060-X-93-X-DTM-DR-DBFL-CE-1201	0		