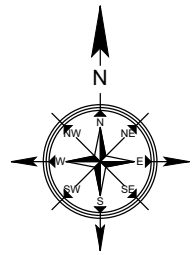


COPYRIGHT AND OWNERSHIP OF THIS DRAWING IS VESTED IN DENNANY REIDY ASSOCIATES LTD. NO PART OF THIS DOCUMENT MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR STORED IN ANY RETRIEVAL SYSTEM OF ANY NATURE WITHOUT THE WRITTEN PERMISSION OF DENNANY REIDY ASSOCIATES AS COPYRIGHT HOLDER EXCEPT AS AGREED FOR USE ON THE PROJECT FOR WHICH THE DOCUMENT WAS ORIGINALLY ISSUED. ©

ALL RIGHT RESERVED BY THE LAW OF COPYRIGHT AND BY INTERNATIONAL COPYRIGHT CONVENTIONS ARE RESERVED TO DENNANY REIDY ASSOCIATES LTD. ©

- NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETRES AND LEVELS IN METRES UNLESS NOTED OTHERWISE.
 2. USE FIGURED DIMENSIONS ONLY. DO NOT SCALE.
 3. DRAWINGS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ENGINEERS', ARCHITECTS' AND SERVICE ENGINEERS' DRAWINGS AND SPECIFICATIONS.
 4. ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH CURRENT BUILDING REGULATIONS.



LEGEND:	
	SITE BOUNDARY
	EXISTING WATERMAIN
	PROPOSED WATERMAIN
	PROPOSED SERVICE CONNECTION
	METER
	PROPOSED SLUICE VALVE
	PROPOSED SCOUR VALVE
	PROPOSED AIR VALVE
	PROPOSED HYDRANT
	PROPOSED BOUNDARY BOX WITH HEAVY DUTY COVER
	PROPOSED INSPECTION CHAMBER

IRISH WATER STANDARD DETAILS AND CODES OF PRACTICE:

ALL SITE WATER SERVICES TO BE IN ACCORDANCE WITH CURRENT IRISH WATER INFRASTRUCTURE STANDARD DETAILS REFER TO IRISH WATER STANDARD DETAILS.DOCUMENT No. 1.W.-CDS-5020-01-

- STD-W-02- LAYOUT DETAILS.
- STD-W-03- HOUSE CONNECTION AND BOUNDARY BOX.
- STD-W-04-TO 10- PIPE CONNECTIONS.
- STD-W-11- SERVICES LAYOUT.
- STD-W-13- TRENCH AN BEDDING.
- STD-W-15- SLUICE VALVE.
- STD-W-18-19- HYDRANT.
- STD-W-22-23- AIR VALVE.
- STD-W-26- METER CHAMBER.
- STD-W-27- MARKER POSTS AND PLATES.
- STD-W-28- TRUST AND SUPPORT BLOCKS.
- STD-W-30- SCOUR CHAMBER AND HEADWALL.
- STD-W-30A-37- OTHER.

ALL WATER SERVICES INFRASTRUCTURES TO BE IN ACCORDANCE WITH IRISH WATER CODE OF PRACTICE FOR WATER INFRASTRUCTURE. IRISH WATER DOCUMENT NUMBER: IW-CDS-5020-03.

HYDRANTS TO COMPLY WITH BS 750, TYPE 2 SCREW DOWN TYPE. HYDRANT INDICATOR PLATES TO COMPLY WITH BS 3251.

ALL WATERMAIN PIPE MATERIALS TO BE IN ACCORDANCE WITH SECTION 3.9 OF THE CODE OF PRACTICE .

REV.	DESCRIPTION	STR	CMCD	AD
		16/10/19	16/10/19	16/10/19
REV.	DESCRIPTION	PRODUCER	VERIFIER	APPROVER
		DATE	DATE	DATE

PLANNING



Dennany Reidy Associates
CONSULTING ENGINEERS & PROJECT MANAGERS

LIMERICK:
THE PARK
LORD EDWARD ST.
LIMERICK
V94 B40C

DUBLIN:
30 DRUMCONDRA ROAD UPPER
DRUMCONDRA
DUBLIN 9
D09 F77K


Tel: 01 216 2956 (Dublin)
Tel: 061 310 701 (Limerick)
email: mail@dennanyreidy.ie
web: www.dennanyreidy.ie

CLIENT: LIMERICK CITY & COUNTY COUNCIL
CITY HALL
MERCHANTS QUAY
LIMERICK

PROJECT: DEERPARK
ADARE
Co. LIMERICK

TITLE: SOUTH SITE - PROPOSED WATERMAIN LAYOUT

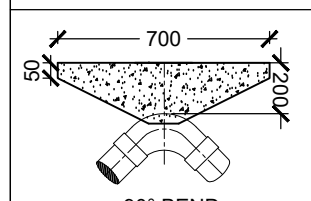
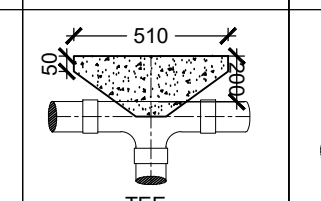
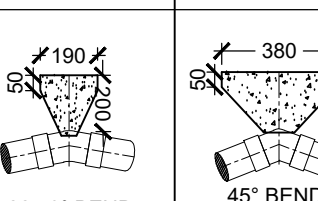
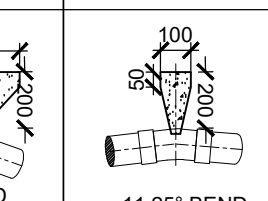
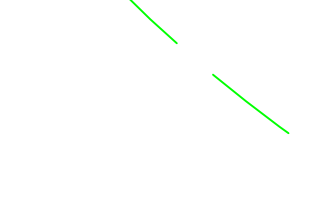
DATE:	07/10/19	SCALES:	AS SHOWN @ A1	REV.	
DESIGNER:	STR	DRG. No.			
PRODUCER:	STR	L200-200		A	
VERIFIER:	CMCD				
APPROVER:	AD	REVISIONS:	A		

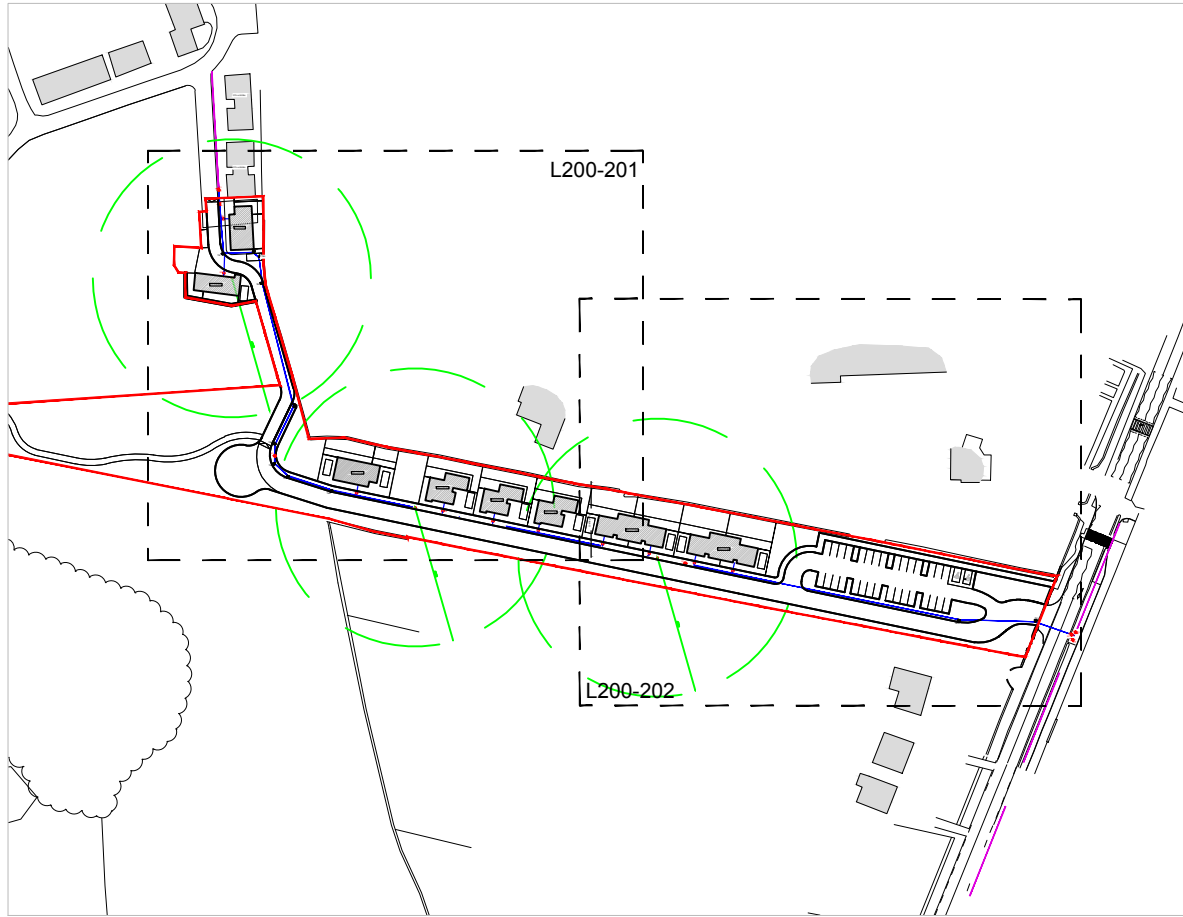
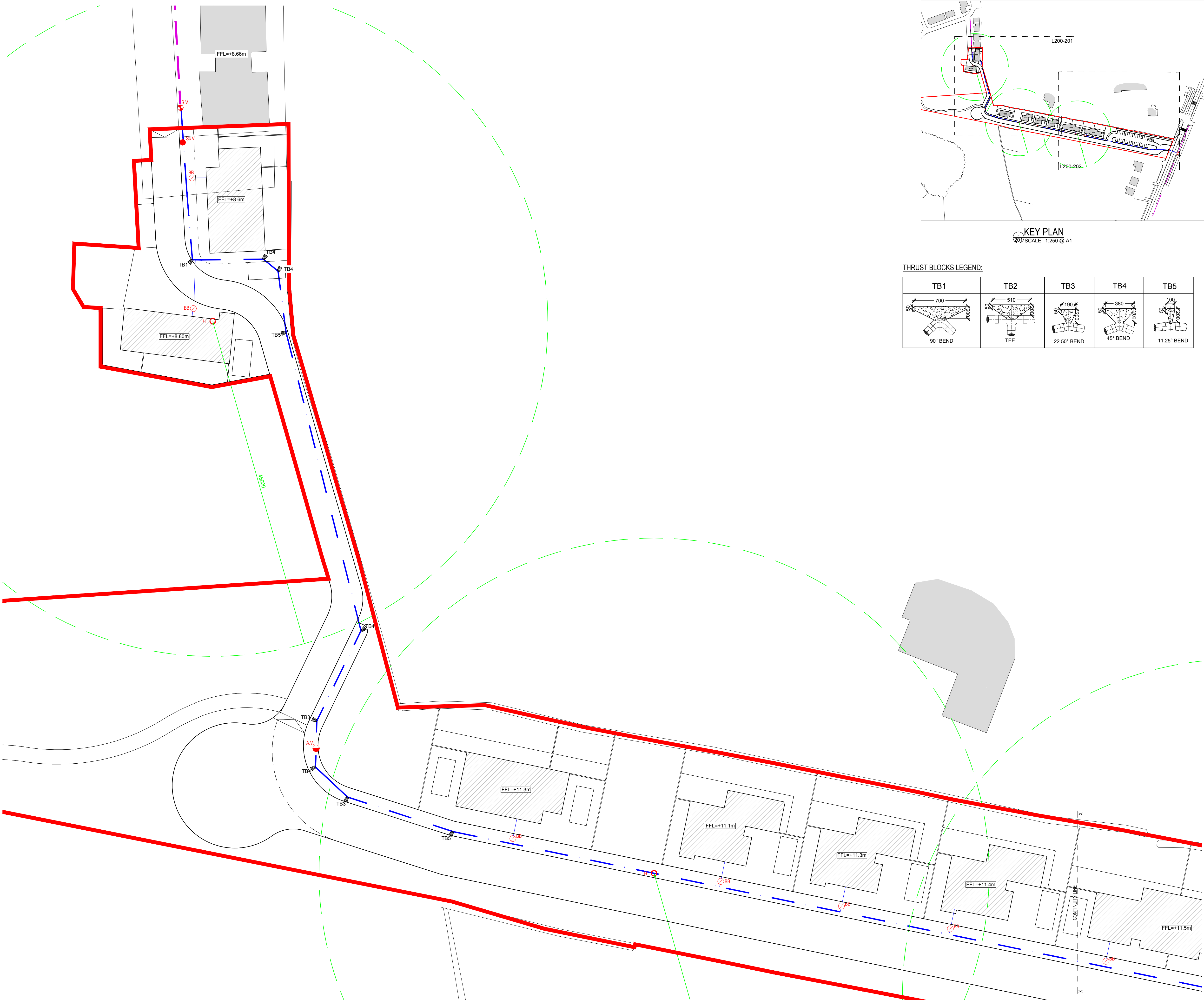


QUALITY
REGISTERED
NSAI Certified

PROPOSED WATERMAIN
SCALE: 1:250 @ A1

THRUST BLOCKS LEGEND:

TB1	TB2	TB3	TB4	TB5
				
90° BEND	TEE	22.50° BEND	45° BEND	11.25° BEND



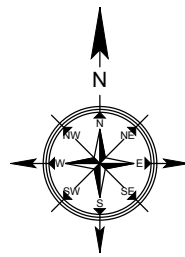
KEY PLAN
SCALE 1:250 @ A1

THRUST BLOCKS LEGEND:

TB1	TB2	TB3	TB4	TB5

LEGEND:

- SITE BOUNDARY
- EXISTING WATERMAIN
- PROPOSED WATERMAIN
- PROPOSED SERVICE CONNECTION
- METER
- PROPOSED SLUICE VALVE
- PROPOSED SCOUR VALVE
- PROPOSED AIR VALVE
- PROPOSED HYDRANT
- PROPOSED BOUNDARY BOX



IRISH WATER STANDARD DETAILS AND CODES OF PRACTICE:

ALL SITE WATER SERVICES TO BE IN ACCORDANCE WITH CURRENT IRISH WATER INFRASTRUCTURE STANDARD DETAILS REFER TO IRISH WATER STANDARD DETAILS DOCUMENT No. I.W.-CDS-5020-01.

- STD-W-02- LAYOUT DETAILS.
- STD-W-03- HOUSE CONNECTION AND BOUNDARY BOX.
- STD-W-04-TO-10- PIPE CONNECTIONS.
- STD-W-11- SERVICES LAYOUT.
- STD-W-13- TRENCH AN BEDDING.
- STD-W-15- SLUICE VALVE.
- STD-W-18-19- HYDRANT.
- STD-W-22-23- AIR VALVE.
- STD-W-26- METER CHAMBER.
- STD-W-27- MARKER POSTS AND PLATES.
- STD-W-28- TRUST AND SUPPORT BLOCKS.
- STD-W-30- SCOUR CHAMBER AND HEADWALL.
- STD-W-30A-37- OTHER.

ALL WATER SERVICES INFRASTRUCTURES TO BE IN ACCORDANCE WITH IRISH WATER CODE OF PRACTICE FOR WATER INFRASTRUCTURE. IRISH WATER DOCUMENT NUMBER: IW-CDS-5020-03.

HYDRANTS TO COMPLY WITH BS 750, TYPE 2 SCREW DOWN TYPE. HYDRANT INDICATOR PLATES TO COMPLY WITH BS 3251.

ALL WATERMAIN PIPE MATERIALS TO BE IN ACCORDANCE WITH SECTION 3.9 OF THE CODE OF PRACTICE.

REV.	DESCRIPTION	STR	CMCD	AD
		15/10/19	15/10/19	15/10/19
REV.	DESCRIPTION	PRODUCER	VERIFIER	APPROVER
		DATE	DATE	DATE

PLANNING

Dennany Reidy Associates
CONSULTING ENGINEERS & PROJECT MANAGERS

LIMERICK:
THE PARK
LORD EDWARD ST.
LIMERICK
V84 B40C

DUBLIN:
30 DRUMCONDRA ROAD UPPER
DRUMCONDRA
DUBLIN 9
D09 FT7K

Tel: 01 216 2956 (Dublin)
Tel: 061 310 701 (Limerick)
email: mail@dennanyreidy.ie
web: www.dennanyreidy.ie

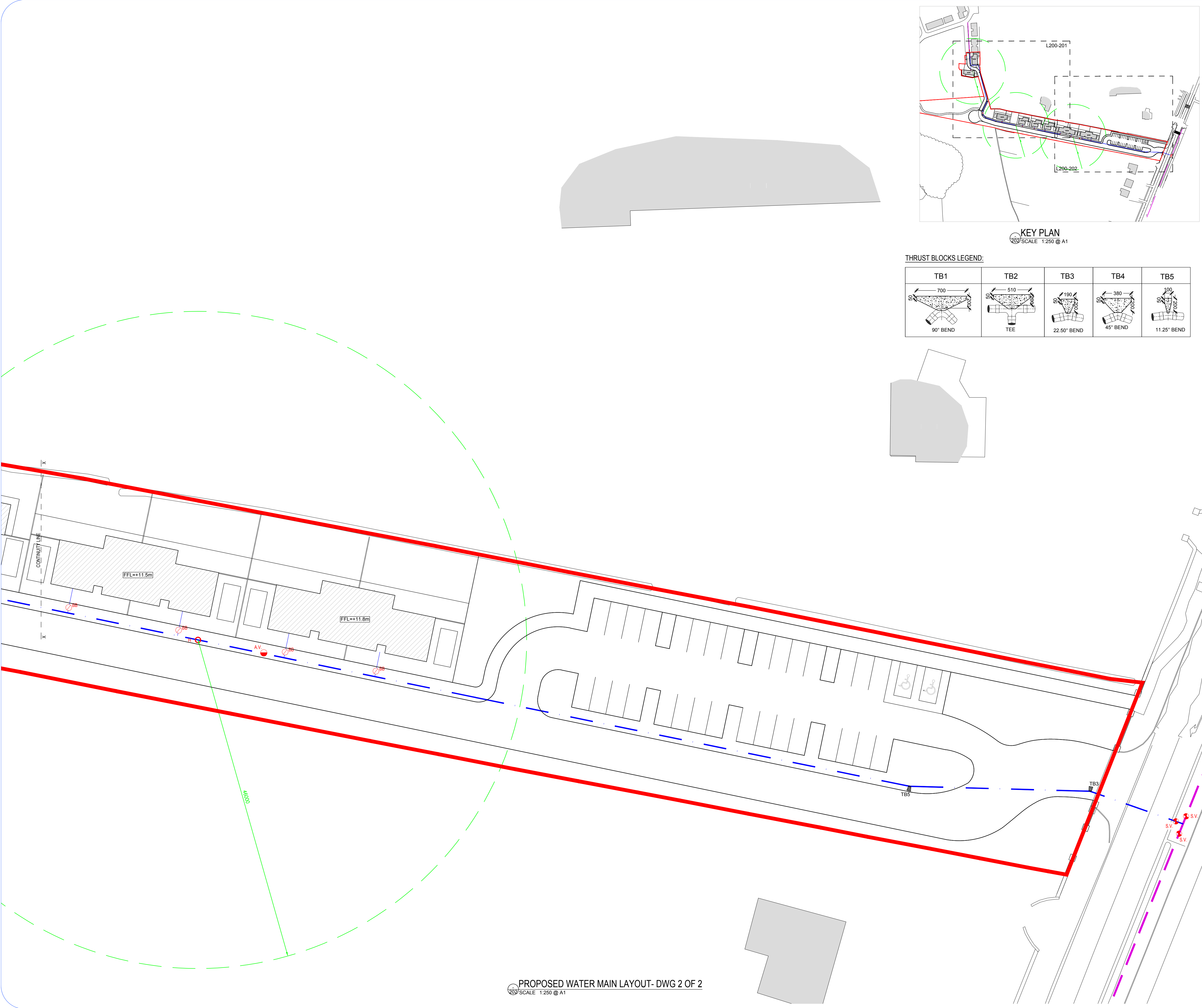
CLIENT: LIMERICK CITY & COUNTY COUNCIL
CITY HALL
MERCHANTS QUAY
LIMERICK

PROJECT: DEERPARK
ADARE
Co. LIMERICK

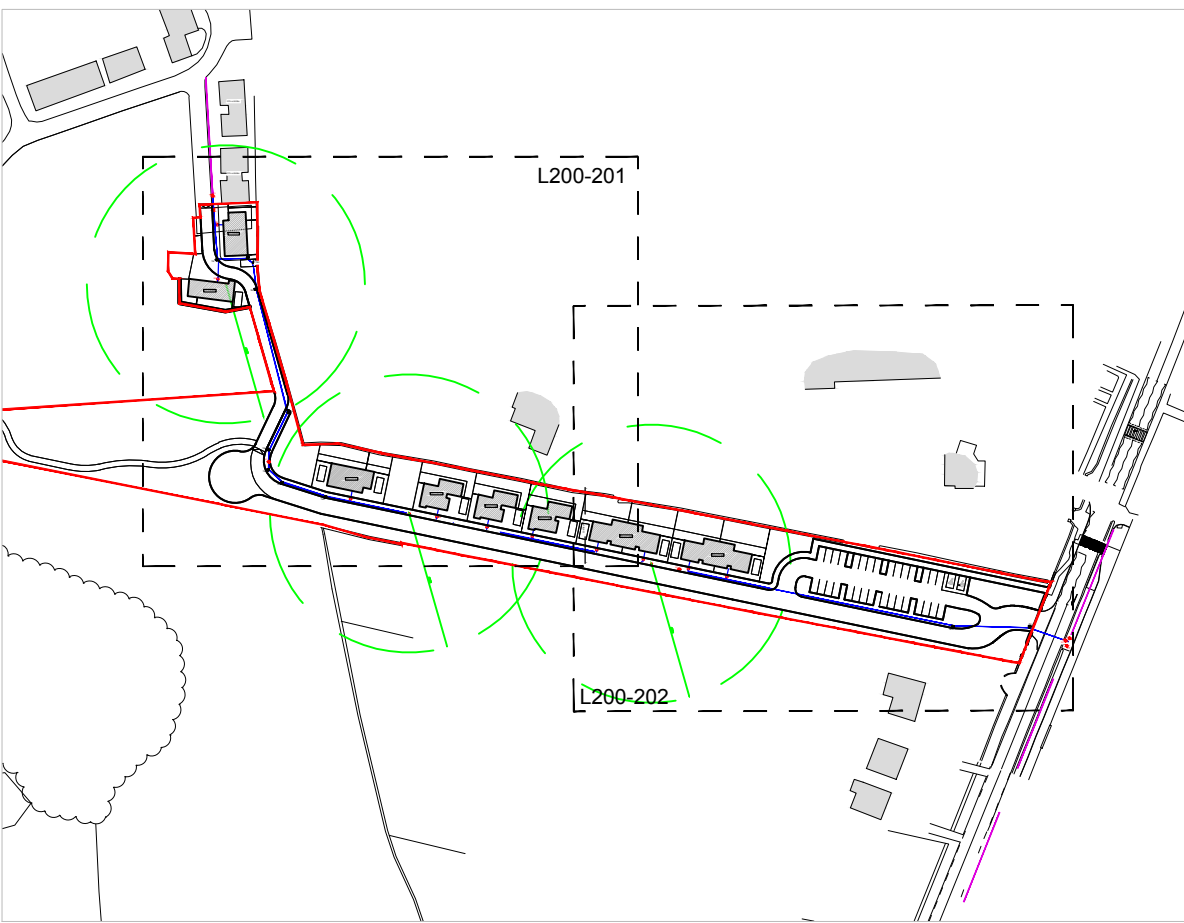
TITLE: NORTH SITE- PROPOSED WATERMAIN LAYOUT-DWG 1 OF 2

DATE:	03/10/19	SCALE:	1:250 @ A1	REV.	A	
DESIGNER:	CMd	DRG. No.				
PRODUCER:	LG	L200-201				
VERIFIER:	CMd					
APPROVER:	AD	REVISIONS:	A			

PROPOSED WATER MAIN LAYOUT- DWG 1 OF 2
SCALE 1:250 @ A1



PROPOSED WATER MAIN LAYOUT- DWG 2 OF 2



KEY PLAN

SCALE 1:250 @ A1

THRUST BLOCKS LEGEND:

TB1	TB2	TB3	TB4	TB5

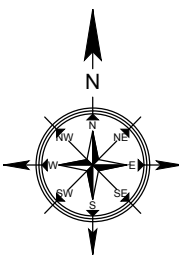
COPYRIGHT AND OWNERSHIP OF THIS DRAWING IS VESTED IN DENNANY REIDY ASSOCIATES LTD. NO PART OF THIS DOCUMENT MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR STORED IN ANY RETRIEVAL SYSTEM OF ANY NATURE WITHOUT THE WRITTEN PERMISSION OF DENNANY REIDY ASSOCIATES AS COPYRIGHT HOLDER EXCEPT AS AGREED FOR USE ON THE PROJECT FOR WHICH THE DOCUMENT WAS ORIGINALLY ISSUED. ©

ALL RIGHT RESERVED BY THE LAW OF COPYRIGHT AND BY INTERNATIONAL COPYRIGHT CONVENTIONS ARE RESERVED TO DENNANY REIDY ASSOCIATES LTD.©

- NOTES:
- ALL DIMENSIONS ARE IN MILLIMETRES AND LEVELS IN METRES UNLESS NOTED OTHERWISE
 - USE FIGURED DIMENSIONS ONLY. DO NOT SCALE.
 - DRAWINGS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ENGINEERS, ARCHITECTS AND SERVICE ENGINEER'S DRAWINGS AND SPECIFICATIONS
 - ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH CURRENT BUILDING REGULATIONS.

LEGEND:

- SITE BOUNDARY
- EXISTING WATERMAIN
- PROPOSED WATERMAIN
- PROPOSED SERVICE CONNECTION
- METER
- PROPOSED SLUICE VALVE
- PROPOSED SCOUR VALVE
- PROPOSED AIR VALVE
- PROPOSED HYDRANT
- PROPOSED BOUNDARY BOX



IRISH WATER STANDARD DETAILS AND CODES OF PRACTICE:

ALL SITE WATER SERVICES TO BE IN ACCORDANCE WITH CURRENT IRISH WATER INFRASTRUCTURE STANDARD DETAILS REFER TO IRISH WATER STANDARD DETAILS.DOCUMENT No. I.W.-CDS-5020-01-

-STD-W-02- LAYOUT DETAILS.
-STD-W-03- HOUSE CONNECTION AND BOUNDARY BOX.
-STD-W-04-TO 10- PIPE CONNECTIONS.
-STD-W-11- SERVICES LAYOUT.
-STD-W-13- TRENCH AN BEDDING.
-STD-W-15- SLUICE VALVE.
-STD-W-18-19- HYDRANT.
-STD-W-22-23- AIR VALVE.
-STD-W-26- METER CHAMBER.
-STD-W-27- MARKER POSTS AND PLATES.
-STD-W-28- TRUST AND SUPPORT BLOCKS.
-STD-W-30- SCOUR CHAMBER AND HEADWALL.
-STD-W-30A-37- OTHER.

ALL WATER SERVICES INFRASTRUCTURES TO BE IN ACCORDANCE WITH IRISH WATER CODE OF PRACTICE FOR WATER INFRASTRUCTURE. IRISH WATER DOCUMENT NUMBER: IW-CDS-5020-03.

HYDRANTS TO COMPLY WITH BS 750, TYPE 2 SCREW DOWN TYPE.
HYDRANT INDICATOR PLATES TO COMPLY WITH BS 3251.

ALL WATERMAIN PIPE MATERIALS TO BE IN ACCORDANCE WITH SECTION 3.9 OF THE 'CODE OF PRACTICE'.

REV.	DESCRIPTION	STR	CMCD	AD
		DATE	DATE	DATE
A	GENERAL REVISION	15/10/19	15/10/19	15/10/19


PLANNING

Dennany Reidy Associates
CONSULTING ENGINEERS & PROJECT MANAGERS

LIMERICK:
THE PARK
LORD EDWARD ST.
LIMERICK
V84 B40C

DUBLIN:
30 DRUMCONDRA ROAD UPPER
DRUMCONDRA
DUBLIN 9
D09 FT7K

Tel: 01 216 2956 (Dublin)
Tel: 061 310 701 (Limerick)
email: mail@dennanyreidy.ie
web: www.dennanyreidy.ie

CLIENT:	LIMERICK CITY & COUNTY COUNCIL CITY HALL MERCHANTS QUAY LIMERICK												
PROJECT:	DEERPARK ADARE Co. LIMERICK												
TITLE:	NORTH SITE - PROPOSED WATERMAIN LAYOUT-DWG 2 OF 2												
DATE:	03/10/19		SCALES:		1:250 @ A1			REV.					
DESIGNER:	CMCD		DRG. No.					A					
PRODUCER:	LG		L200-202					A					
VERIFIER:	CMCD												
APPROVER:	AD		REVISIONS:		A								