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Technical Note – 190009-TN-002 (Upgrades to R125)

Table with 2 columns: Field (Subject, Company, Contact) and Value (Newtownmoyaghy SHD, An Bord Pleanala, Job No: 190009, etc.)

1.0 Background

An Bord Pleanala (ABP) have requested that a detailed report be provided outlining works to be undertaken to the R125 in terms of pedestrian and cycle facilities, public lighting and any road upgrade works necessary to facilitate the proposed development and provide for appropriate connections to the wider area.

We will outline works which are substantially complete, currently under construction and due to be constructed in this area. Please also refer to Figure 1 below and DBFL drawing 190009-XX-XX-DR-C-3050 outlining same in Appendix A.

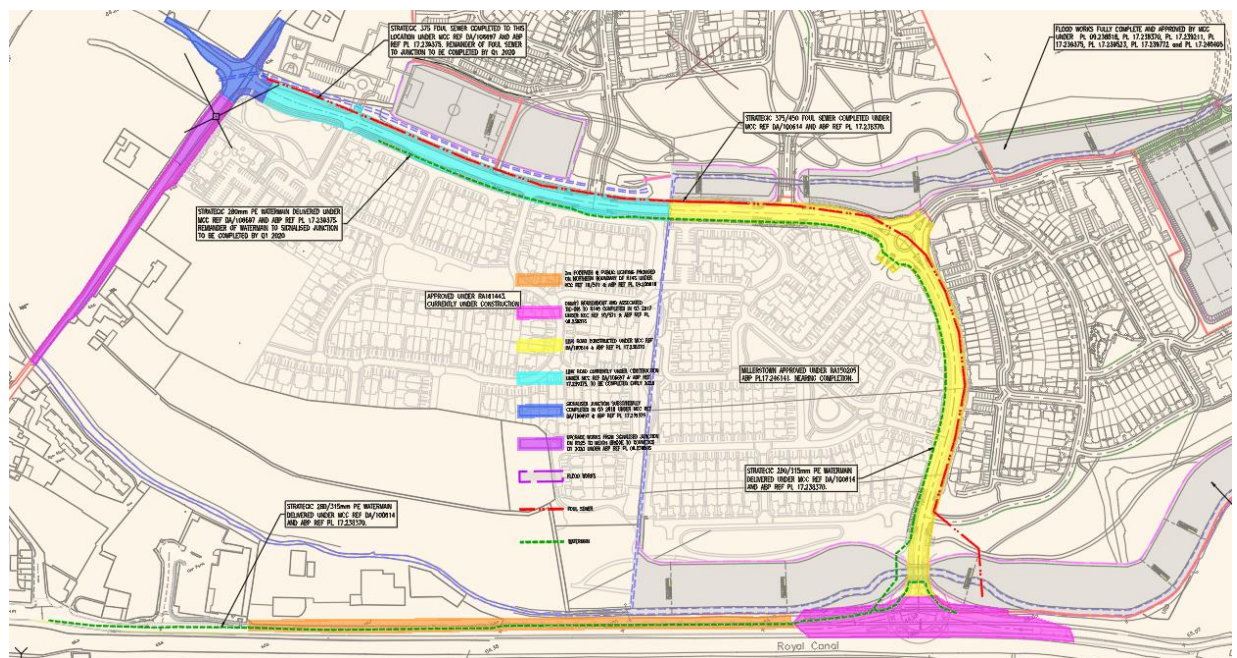


Figure 1 Catchments

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VAT. No. IE6355828Q
Company No. 335828



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2.0 Link Road

Works to the link road providing a link between the R148 and R125 under MCC Ref DA/100614 and ABP Ref PI 17.238370 were substantially completed in Q1 2019. Construction of the remainder of the link road providing the link to the R125 is currently underway under MCC Ref DA/106697 and ABP Ref PL 17.238370. these works are expected to be completed by end of Q1 2010. The link road consists of a 7.3m wide carriageway with 2.0m paths, 1.5m cycle tracks and 1.5m verges both sides.

Please refer to Overall Infrastructure Drawing 190009-DBFL-XX-XX-DR-C-3050 in Appendix A for location and extent of same. These completed and ongoing works are being undertaken by McGarrell Reilly's chosen contractor Shannon Valley.

3.0 R125 Signalised Junction and Tie-Ins

Works to the signalised junction at the junction of the R125 and the link road to the west of the subject site currently under construction were substantially completed in Q3 2018. The traffic lights are now fully operational at this junction. Footpaths, cycle tracks, shared areas, tactile paving, traffic signals etc have been provided as agreed under MCC Ref DA/1006697 and ABP Ref PL 17.239375.

Please refer to Overall Infrastructure Drawing 190009-DBFL-XX-XX-DR-C-3050 in Appendix A for location and extent of same.

4.0 Upgrade of R125 to Meath Bridge

Works to the remainder of the R125 providing a link to Meath Bridge and, in turn, Kilcock Town Centre to the west are due to commence in Q1 2020 under ABP Ref PL 09.238818. It is envisaged that these works will be completed by Q3 2020. These works will be undertaken by McGarrell Reilly / MCC.

Please refer to Overall Infrastructure Drawing 190009-DBFL-XX-XX-DR-C-3050 in Appendix A for location and extent of same.

5.0 Public Lighting

Please refer to public lighting layout for the completed signalised junction and tie-ins at the junction of the R125 / link road in Appendix B which was produced by Sabre.

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6.0 Taking In Charge (TIC)

It is intended that all works to roads, footpaths, cycle track etc on R125 from the link road to Meath Bridge be TIC by MCC. We note that the TIC process has commenced with MCC for the link road constructed under MCC Ref DA/100614 / ABP Ref PI 17.238370 and MCC Ref DA/1006697 and ABP Ref PL 17.239375

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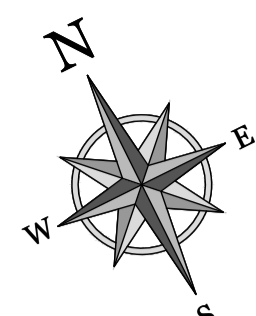
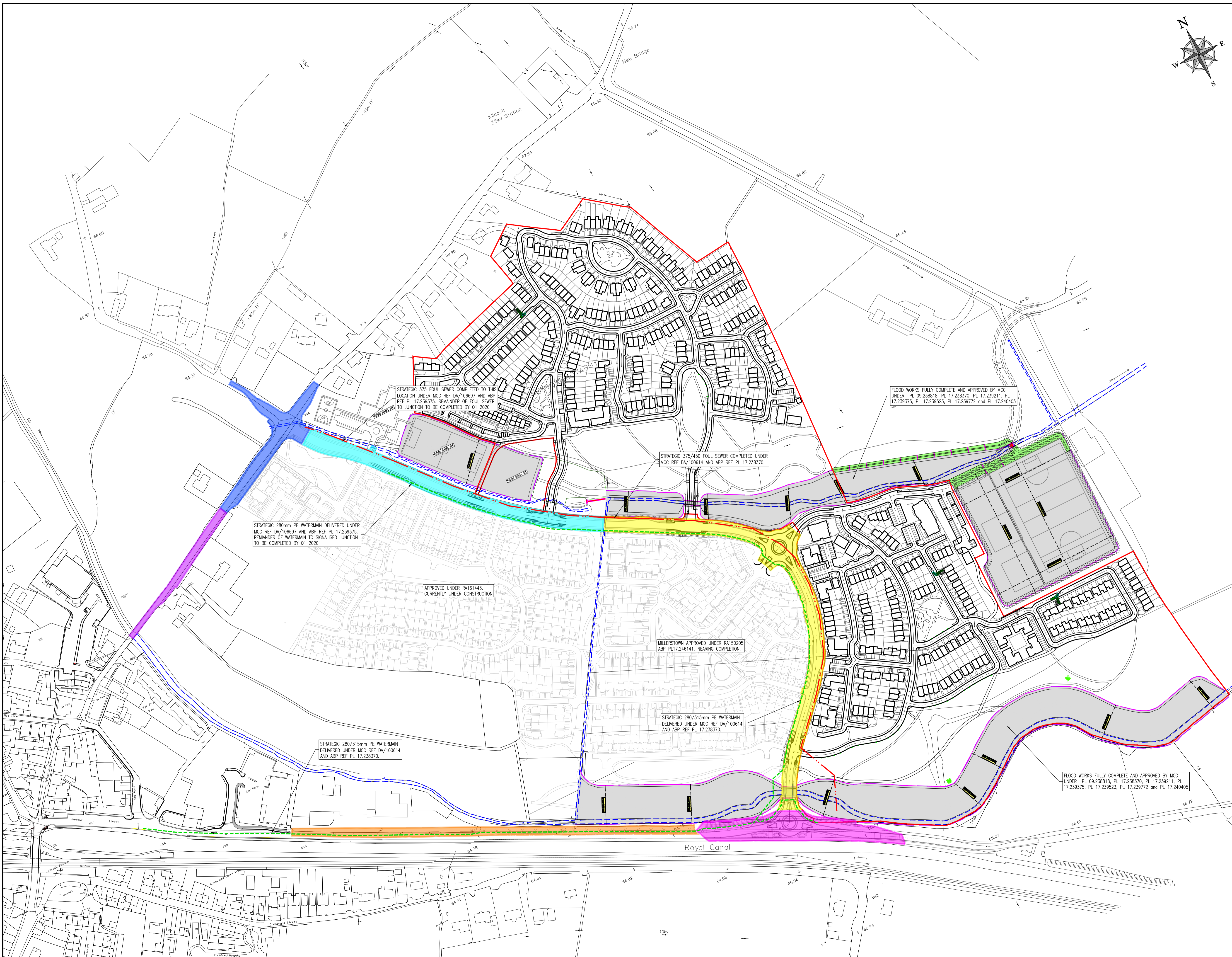
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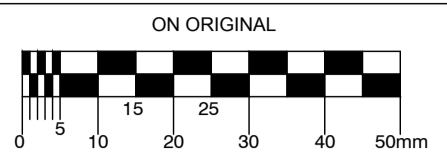
Consultant

Paddy G Darling BE BA CEng MIEI

APPENDIX A – DBFL OVERALL INFRASTRUCTURE PLAN



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- NOTES:
- 2m FOOTPATH & PUBLIC LIGHTING PROVIDED ON NORTHERN BOUNDARY OF R148 UNDER KCC REF 10/571 & ABP REF PL 09.238818
 - DMURS ROUNDABOUT AND ASSOCIATED TE-INS TO R148 COMPLETED IN Q3 2017 UNDER KCC REF 10/571 & ABP REF PL 09.238818
 - LINK ROAD CONSTRUCTED UNDER MCC REF DA/100614 & ABP REF PL 17.238370
 - LINK ROAD CURRENTLY UNDER CONSTRUCTION UNDER MCC REF DA/106697 & ABP REF PL 17.239375. TO BE COMPLETED EARLY 2020
 - SIGNALISED JUNCTION SUBSTANTIALLY COMPLETED IN Q3 2018 UNDER MCC REF DA/106697 & ABP REF PL 17.239375
 - UPGRADE WORKS FROM SIGNALISED JUNCTION ON R125 TO MEATH BRIDGE TO COMMENCE Q1 2020 UNDER ABP REF PL 09.238818
 - FLOOD WORKS FULLY COMPLETE AND APPROVED BY MCC UNDER PL 09.238818, PL 17.238370, PL 17.239211, PL 17.239375, PL 17.239523, PL 17.239772 and PL 17.240405
 - FOUL SEWER
 - WATERMAIN

STRATEGIC 375 FOUL SEWER COMPLETED TO THIS LOCATION UNDER MCC REF DA/106697 AND ABP REF PL 17.239375. REMAINDER OF FOUL SEWER TO JUNCTION TO BE COMPLETED BY Q1 2020

FLOOD WORKS FULLY COMPLETE AND APPROVED BY MCC UNDER PL 09.238818, PL 17.238370, PL 17.239211, PL 17.239375, PL 17.239523, PL 17.239772 and PL 17.240405

STRATEGIC 375/450 FOUL SEWER COMPLETED UNDER MCC REF DA/100614 AND ABP REF PL 17.238370.

STRATEGIC 280mm PE WATERMAIN DELIVERED UNDER MCC REF DA/106697 AND ABP REF PL 17.239375. REMAINDER OF WATERMAIN TO SIGNALISED JUNCTION TO BE COMPLETED BY Q1 2020

APPROVED UNDER RA161443. CURRENTLY UNDER CONSTRUCTION

MILLERSTOWN APPROVED UNDER RA150205 ABP PL17.246141. NEARING COMPLETION.

STRATEGIC 280/315mm PE WATERMAIN DELIVERED UNDER MCC REF DA/100614 AND ABP REF PL 17.238370.

STRATEGIC 280/315mm PE WATERMAIN DELIVERED UNDER MCC REF DA/100614 AND ABP REF PL 17.238370.

FLOOD WORKS FULLY COMPLETE AND APPROVED BY MCC UNDER PL 09.238818, PL 17.238370, PL 17.239211, PL 17.239375, PL 17.239523, PL 17.239772 and PL 17.240405

PT	17/12/19	PLANNING ISSUE	PJC	BCM
REV	DATE	DESCRIPTION	BY	CHKD
STAGE 2 - PLANNING				
DESIGNED	BCM	PREPARED	PJC	
DATE	NOV 2019	CHECKED	DJR	

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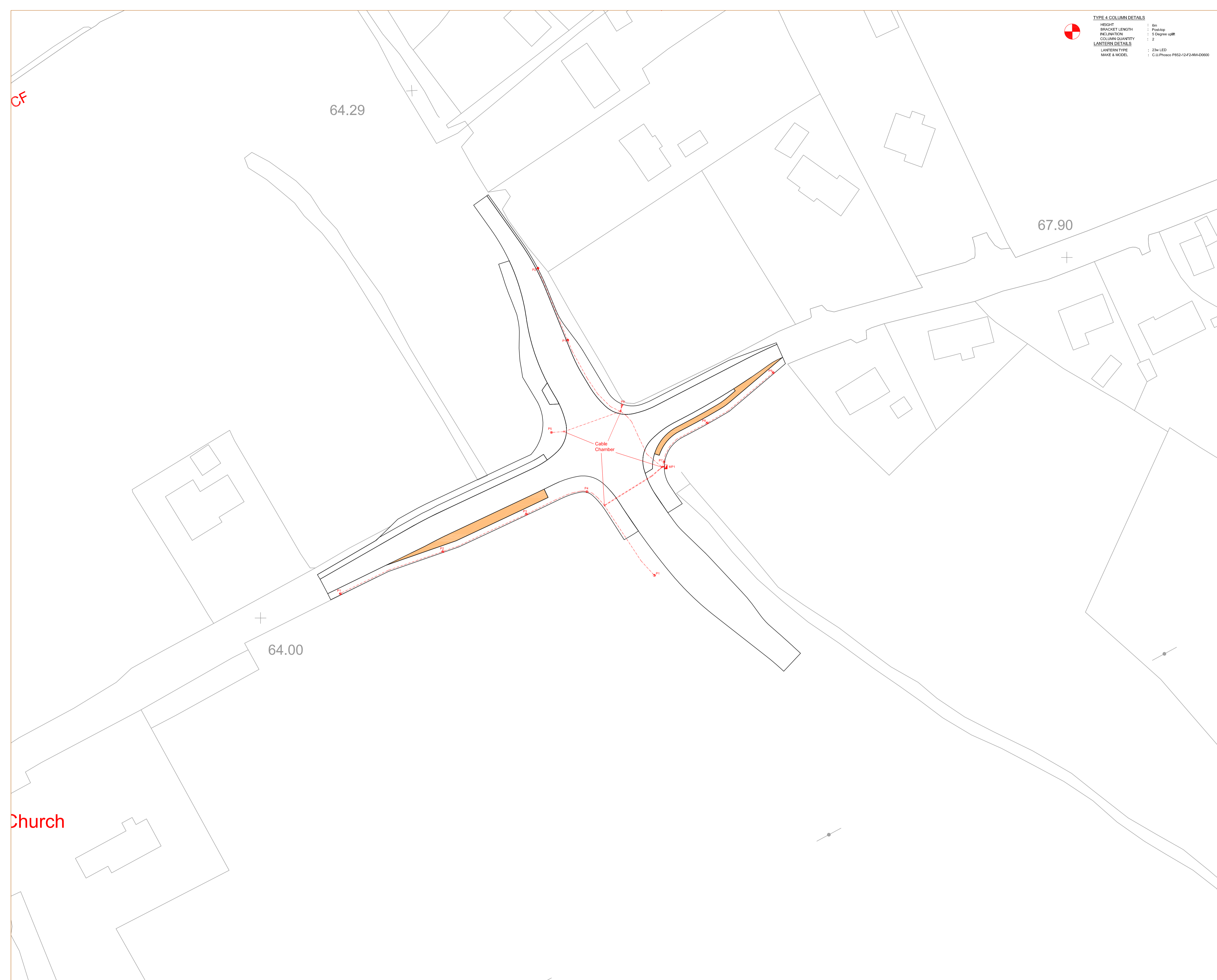
PROJECT
NEWTOWNMOYAGHY SHD

DRG. TITLE
OVERALL EXISTING INFRASTRUCTURE PLAN

CLIENT
MCGARRELL REILLY

SCALE 1:2000 @A1 FILE REF. 190009-DBFL-XX-XX-DR-C-3050
 DRG. NO. **190009-DBFL-XX-XX-DR-C-3050** P1

APPENDIX B – PUBLIC LIGHTING LAYOUT



TYPE 4 COLUMN DETAILS

HEIGHT	: 6m
BRACKET LENGTH	: Post-top
INCLINATION	: 5 Degree upflt
COLUMN QUANTITY	: 2
LANTERN DETAILS	
LANTERN TYPE	: 23w LED
MAKE & MODEL	: C.U.Phosco P862-12-F2-NW-0000

TYPE 1 COLUMN DETAILS

HEIGHT	: 10m
BRACKET LENGTH	: Post-top
INCLINATION	: 0 Degree upflt
COLUMN QUANTITY	: 1
LANTERN DETAILS	
LANTERN TYPE	: 96w LED
MAKE & MODEL	: C.U.Phosco P862-32-C1-14W-0100

TYPE 2 COLUMN DETAILS

HEIGHT	: 10m
BRACKET LENGTH	: Post-top
INCLINATION	: 5 degree upflt
COLUMN QUANTITY	: 4
LANTERN DETAILS	
LANTERN TYPE	: 78w LED
MAKE & MODEL	: C.U.Phosco P862-32-F3-NW-0000

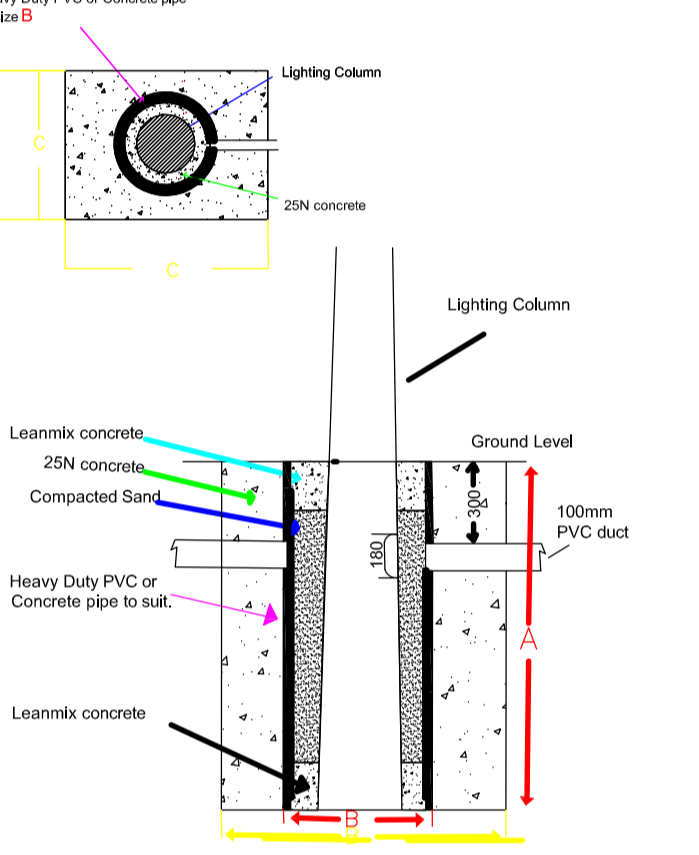
TYPE 3 COLUMN DETAILS

HEIGHT	: 8m
BRACKET LENGTH	: Post-top
INCLINATION	: 5 Degree upflt
COLUMN QUANTITY	: 5
LANTERN DETAILS	
LANTERN TYPE	: 42w LED
MAKE & MODEL	: C.U.Phosco P862-32-C1-14W-00400

230sq NYCY cable laid in ducting to ETCI 211:2003.
Single wall ducting, colour red to be used.
manufactured from high density polyethylene (H.D.P.E.),
107mm external diameter, having a wall thickness of 6mm.
This ducting to have the words "Street Lighting" stamped on
letter size 5mm at 1m intervals. The lettering to face up/nearest
in the trench. All works to Local Authority specification.
This is a detail beyond and not indicative of where ducts are to be laid.
Public Lighting Pillar (located at least 2m from ESB pillar)

Typical Base detail, to be checked by site engineers.

COLUMN MOUNTING HEIGHT		12m	10m	8m	6m
COLUMN ROOT DEPTH	A	1.9m	1.7m	1.5m	1.0m
CABLE ENTRY DEPTH		0.3m	0.3m	0.3m	0.3m
ROOTING CONCRETE DEPTH					
COLUMN DOOR HEIGHT		1.5m	1.5m	1.5m	1.5m
COLUMN SLEEVE SIZE(mm) internal	B	450	400	400	220
EXCAVATION (width x length)	C	1000	800	600	400



NOTES
NO ACCOUNT IS TAKEN FOR THE BLOCKING EFFECT CAUSED BY BUILDINGS, TREES ETC.
THE CALCULATION SHOWN BY THIS DRAWING ASSUMES THAT THE PILLARS ARE BEING
CONSIDERED IN THE SAME PLANE, I.E. THERE ARE NO CHANGES IN GRADIENT OR
ELEVATION.

NOTES
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- ?	GS	CHK	-----
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REV/ DESCRIPTION INITS CHKD DATE

CLIENT/CUSTOMER
Fajon Construction

PROJECT
Dunboyne Rd Junction

TITLE
Public Lighting Layout

DRAWN	SCALE	DATE
G.S	COMPUTER ONLY	3-8-17
DRAWING NUMBER	ISSUE	
SES 08317	1	

BASE DRAWING NUMBER
edit

DRAWING ORIGIN
edit

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