END KILCOCK LAP OBJECTIVE MT023 TO BE DELIVERED UNDER THIS APPLICATION.

POSSIBLE FUTURE CONNECTION TO KILCOCK LAP ROAD NETWORK

NO THROUGH ROAD. BOLLARDS TO BE INSTALLED TO PREVENT ACCESS.

FUTURE SCHOOL ACCESS - SUBJECT TO SEPARATE APPLICATION

MATCH LINE

EXISTING PATH

CONNECTION TO PARK SUBJECT TO AGREEMENT WITH KILDARE COUNTY COUNCIL.

LEGEND:

- ROAD SURFACE
- CYCLE TRACK
- FOOTWAY
- LANDSCAPED AREA/VERGE
- HOME ZONE
- PERMEABLE PAVING

0 50MM ON A1 DWG. 50

REV	DESCRIPTION	BY	CHK	DATE
5	MASTER LAYOUT UPDATED	AB	RK	30/10/19
4	MASTER LAYOUT UPDATED	RK	RK	06/09/19
3	LAYOUT UPDATED WITH KCC COMMENTS	RK	RK	05/07/19
2	LAYOUT UPDATED	RK	RK	11/06/19
1	ABP PLANNING ISSUE	RK	RK	23/05/19

CLIENT

RYCROFT HOMES LTD.

PROJECT

LANDS ADJOINING BRAYTON PARK, Kilcock, Co. Kildare.

-

DRAWING TITLE

GENERAL LAYOUT SHEET 1 OF 3

PINNACLE CONSULTING ENGINEERS

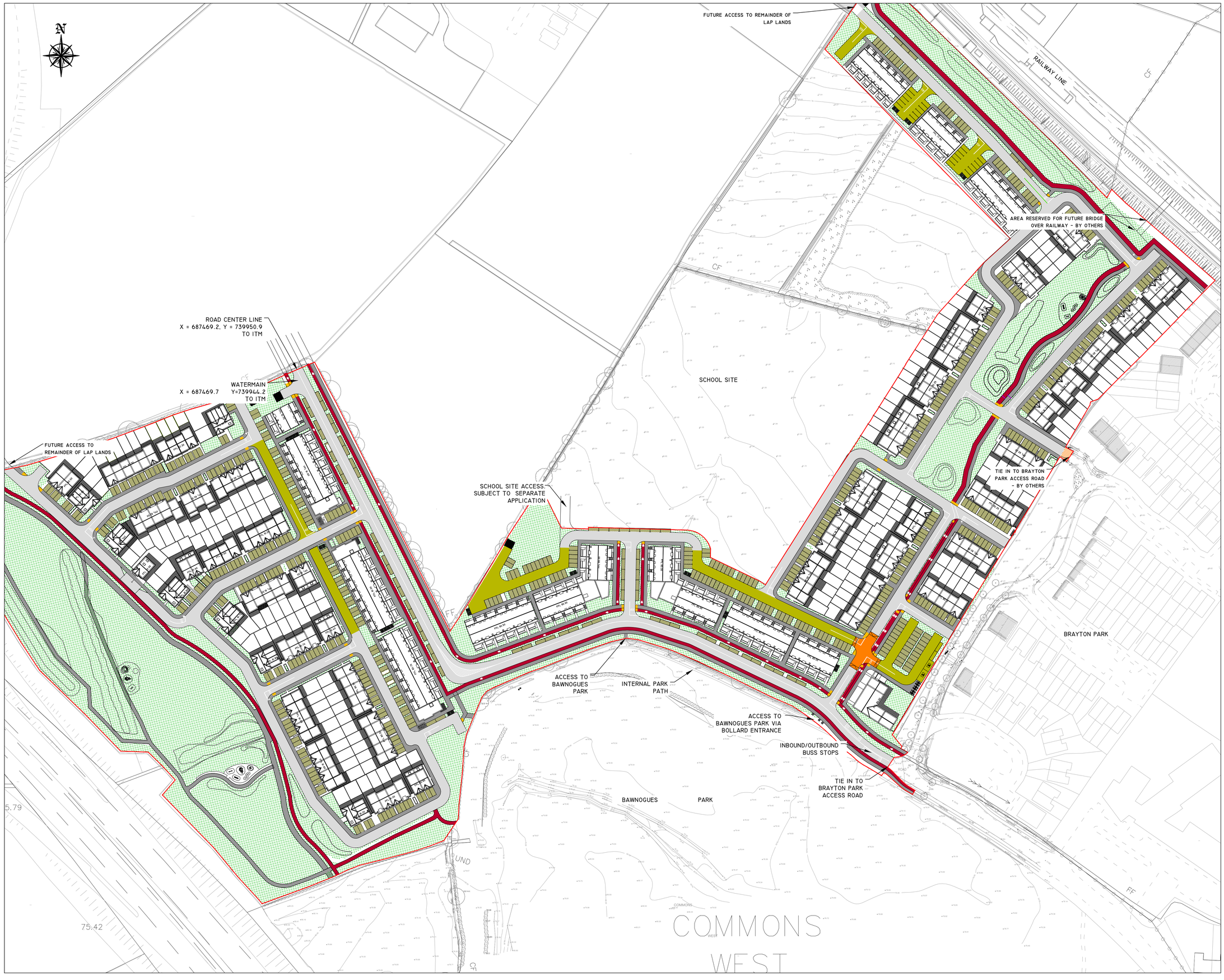
GROSVENOR COURT, 67A PATRICK STREET, DUN LAOGHAIRE, COUNTY DUBLIN, IRELAND. TELEPHONE: +353 1231 1041

NORWICH | WELWYN GARDEN CITY LONDON | BRISTOL

DRAWING STATUS			
PLANNING			
SCALE	DATE	DRAWN BY	CHECKED
1:500	May'19	RK	RK
DRG NO.		REVISION	SHEET SIZE
P101		5	A1

REF: P180307

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LEGEND:

- ROAD SURFACE
- CYCLE TRACK
- FOOTWAY
- LANDSCAPED AREA/VERGE
- HOME ZONE
- PERMEABLE PAVING

0 50MM ON A1 DWG. 50

REV	DESCRIPTION	BY	CHK	DATE
4	LAYOUT UPDATED	AB	RK	30/10/19
3	LAYOUT UPDATED WITH KCC COMMENTS	RK	RK	05/07/19
2	LAYOUT UPDATED	RK	RK	11/06/19
1	ABP PLANNING ISSUE	RK	RK	23/05/19

CLIENT

RYCROFT HOMES LTD.

PROJECT

LANDS ADJOINING BRAYTON PARK, KILCOCK, CO. KILDARE.

-

DRAWING TITLE

GENERAL ROADS LAYOUT

-

-

PINNACLE CONSULTING ENGINEERS

GROSVENOR COURT,
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DRAWING STATUS			
PLANNING			
SCALE	DATE	DRAWN BY	CHECKED
1:1000	May '19	RK	RK
DRG NO.		REVISION	SHEET SIZE
P100		4	A1

REF: P180307

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END KILCOCK LAP OBJECTIVE MT023 TO BE DELIVERED UNDER THIS APPLICATION.

POSSIBLE FUTURE CONNECTION TO KILCOCK LAP ROAD NETWORK

NO THROUGH ROAD. BOLLARDS TO BE INSTALLED TO PREVENT ACCESS.

FUTURE SCHOOL ACCESS - SUBJECT TO SEPARATE APPLICATION

MATCH LINE

EXISTING PATH

CONNECTION TO PARK SUBJECT TO AGREEMENT WITH KILDARE COUNTY COUNCIL.

LEGEND:

- ROAD SURFACE
- CYCLE TRACK
- FOOTWAY
- LANDSCAPED AREA/VERGE
- HOME ZONE
- PERMEABLE PAVING

0 50MM ON A1 DWG. 50

REV	DESCRIPTION	BY	CHK	DATE
5	MASTER LAYOUT UPDATED	AB	RK	30/10/19
4	MASTER LAYOUT UPDATED	RK	RK	06/09/19
3	LAYOUT UPDATED WITH KCC COMMENTS	RK	RK	05/07/19
2	LAYOUT UPDATED	RK	RK	11/06/19
1	ABP PLANNING ISSUE	RK	RK	23/05/19

CLIENT

RYCROFT HOMES LTD.

PROJECT

LANDS ADJOINING BRAYTON PARK, Kilcock, Co. Kildare.

-

DRAWING TITLE

GENERAL LAYOUT SHEET 1 OF 3

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DRAWING STATUS			
PLANNING			
SCALE	DATE	DRAWN BY	CHECKED
1:500	May'19	RK	RK
DRG NO.		REVISION	SHEET SIZE
P101		5	A1

REF: P180307

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MATCH LINE

MATCH LINE

SCHOOL SITE

CF

INTERNAL CYCLE NETWORK LINKING SPINE ROAD TO RAILWAY CROSSING.

POSSIBLE FUTURE CONNECTION TO BRAYTON PARK SUBJECT TO SEPARATE APPROVALS

INTERNAL CYCLE NETWORK LINKING SPINE ROAD TO RAILWAY CROSSING.

INTERNAL CYCLE NETWORK LINKING SPINE ROAD TO RAILWAY CROSSING.

INTERNAL CYCLE NETWORK LINKING SPINE ROAD TO RAILWAY CROSSING.

SPEED TABLE

SEE INSERT I

INSERT I

REFER TO PINNACLE DRAWING NO. PI80307_PI05 FOR TIE IN DETAILS.

LEGEND:

- ROAD SURFACE
- CYCLE TRACK
- FOOTWAY
- LANDSCAPED AREA/VERGE
- HOME ZONE
- PERMEABLE PAVING

0 50MM ON A1 DWG. 50

REV	DESCRIPTION	BY	CHK	DATE
5	MASTER LAYOUT UPDATED	AB	RK	30/10/19
4	MASTER LAYOUT UPDATED	RK	RK	06/09/19
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2	LAYOUT UPDATED	RK	RK	11/06/19
1	ABP PLANNING ISSUE	RK	RK	23/05/19

CLIENT

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PROJECT

LANDS ADJOINING BRAYTON PARK, KILCOCK, CO. KILDARE.

-

DRAWING TITLE

GENERAL LAYOUT
SHEET 2 OF 3

PINNACLE CONSULTING ENGINEERS

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DRAWING STATUS			
PLANNING			
SCALE	DATE	DRAWN BY	CHECKED
1:500	May '19	RK	RK
DRG NO.		REVISION	SHEET SIZE
P102		5	A1

REF: P180307

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N

POSSIBLE FUTURE CONNECTION TO KILCOCK LAP ROAD NETWORK

FFL 76.60

FFL 77.80

FFL 79.20

FFL 80.00

FFL 80.75

FFL 82.25

FFL 82.90

FFL 78.40

FFL 79.20

FFL 80.70

FFL 80.70

AREA RESERVED FOR FUTURE BRIDGE OVER RAILWAY - BY OTHERS

MATCH LINE

MATCH LINE

INTERNAL CYCLE NETWORK LINKING SPINE ROAD TO RAILWAY CROSSING.

INTERNAL CYCLE NETWORK LINKING SPINE ROAD TO RAILWAY CROSSING.

LEGEND:

- ROAD SURFACE
- CYCLE TRACK
- FOOTWAY
- LANDSCAPED AREA/VERGE
- HOME ZONE
- PERMEABLE PAVING

0 50MM ON A1 DWG. 50

REV	DESCRIPTION	BY	CHK	DATE
5	MASTER LAYOUT UPDATED	AB	RK	30/10/19
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2	LAYOUT UPDATED	RK	RK	11/06/19
1	ABP PLANNING ISSUE	RK	RK	23/05/19

CLIENT

RYCROFT HOMES LTD.

PROJECT

LANDS ADJOINING BRAYTON PARK, KILCOCK, CO. KILDARE.

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GENERAL LAYOUT
SHEET 3 OF 3

PINNACLE CONSULTING ENGINEERS

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PLANNING			
SCALE	DATE	DRAWN BY	CHECKED
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DRG NO.		REVISION	SHEET SIZE
P103		5	A1

REF: P18I007

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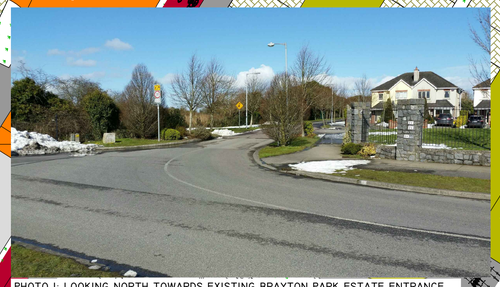


PHOTO 1: LOOKING NORTH TOWARDS EXISTING BRAYTON PARK ESTATE ENTRANCE



PHOTO 2: LOOKING EAST FROM EXISTING BRAYTON PARK ESTATE ENTRANCE. EXISTING SIGHTLINE IS RESTRICTED BY BOUNDARY TREATMENT AND CAR PARKING. CONTINUOUS WHITE LINE RESTRICTS OVER-TAKING.



PHOTO 4: LOOKING WEST FROM EXISTING BRAYTON PARK ESTATE INTO KCC PUBLIC OPEN SPACE.



PHOTO 5: LOOKING EAST FROM EXISTING BRAYTON PARK ESTATE INTO KCC PUBLIC OPEN SPACE.



PHOTO 3: LOOKING WEST TOWARDS EXISTING BRAYTON PARK ESTATE ENTRANCE

LEGEND:

- ROAD SURFACE
- CYCLE TRACK
- FOOTWAY
- LANDSCAPED AREA/VERGE
- HOME ZONE
- PERMEABLE PAVING

0 50MM ON A1 DWG. 50

REV	DESCRIPTION	BY	CHK	DATE
5	MASTER LAYOUT UPDATED	AB	RK	30/10/19
4	MASTER LAYOUT UPDATED	RK	RK	06/09/19
3	LAYOUT UPDATED WITH KCC COMMENTS	RK	RK	05/07/19
2	LAYOUT UPDATED	RK	RK	11/06/19
1	ABP PLANNING ISSUE	RK	RK	23/05/19

CLIENT

RYCROFT HOMES LTD.

PROJECT

Lands Adjoining Brayton Park,
Kilcock, Co. Kildare.

DRAWING TITLE

PROPOSED ACCESS ROAD
TIE IN

PINNACLE CONSULTING ENGINEERS

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IRELAND. TELEPHONE: +353 1231 1041

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DRAWING STATUS			
PLANNING			
SCALE	DATE	DRAWN BY	CHECKED
1:250	May '19	RK	JM
DRG NO.	REVISION	SHEET SIZE	
P105	5	A1	

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REF: P18D307

EXISTING ROUNDABOUT

FUTURE ACCESS POINT

DESIGN AND LOCATION OF ROUNDABOUT SUBJECT TO DETAILED DESIGN

KILCOCK LAP OBJECTIVE MT023

KILCOCK LAP OBJECTIVE MT023

KILCOCK LAP OBJECTIVE MT023

INDICATIVE LAP ROAD LAYOUT

X = 687469.2, Y = 739950.9 TO ITM

SCHOOL SITE ACCESS

KILCOCK LAP OBJECTIVE MT023

POSSIBLE FUTURE CONNECTION

POSSIBLE FUTURE CONNECTION

SCHOOL SITE

SCHOOL SITE ACCESS

POSSIBLE FUTURE CONNECTION

RAILWAY LINE

POSSIBLE FUTURE BRIDGE OVER RAILWAY - BY OTHERS

BRAYTON PARK

INBOUND/OUTBOUND BUS STOPS

TIE IN TO BRAYTON PARK ACCESS ROAD

M4 JUNCTION 8

M4 INTERCHANGE

M4

R148

Cemetery

Church

Yard

Well

Allen Bridge

The Steamgates

Tredwood Towns

T.E.

G.S.

Hall

Factory

Spring

COMMONS WEST

BAWNOGUES PARK

LEGEND:

- ROAD SURFACE
- CYCLE TRACK
- FOOTWAY
- LANDSCAPED AREA/VERGE
- HOME ZONE
- PERMEABLE PAVING
- FUTURE APPLICATION BOUNDARY THIRD PARTIES
- REMAINDER OF LANDS

NOTES:-

1. THE PROPOSED NEW ROAD ALIGNMENT HAS BEEN DESIGNED IN STRICT ACCORDANCE WITH THE "DESIGN MANUAL FOR URBAN ROADS AND STREETS (DMURS)" AS PREPARED FOR THE DEPT. OF TOURISM & SPORT AND FOR THE DEPT. OF ENVIRONMENT, COMMUNITY & LOCAL GOVERNMENT.

0 50MM ON A1 DWG. 50

REV	DESCRIPTION	BY	CHK	DATE
5	MASTER LAYOUT UPDATED	AB	RK	30/10/19
4	MASTER LAYOUT UPDATED	RK	RK	06/09/19
3	LAYOUT UPDATED WITH KCC COMMENTS	RK	RK	05/07/19
2	LAYOUT UPDATED	RK	RK	11/06/19
1	ABP PLANNING ISSUE	RK	RK	23/05/19

CLIENT

RYCROFT HOMES LTD.

PROJECT

LANDS ADJOINING BRAYTON PARK, KILCOCK, CO. KILDARE.

-

DRAWING TITLE

LAP ROADS LAYOUT
MT032

-

PINNACLE CONSULTING ENGINEERS

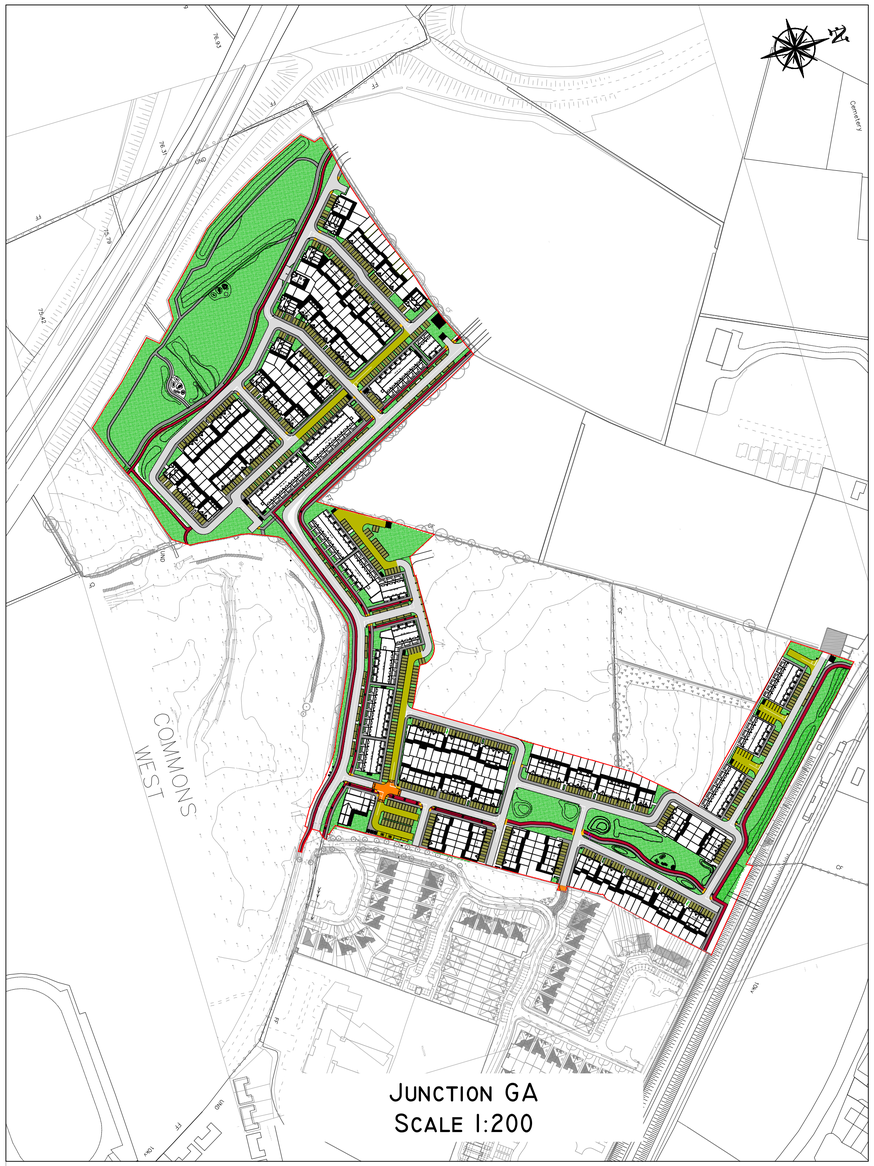
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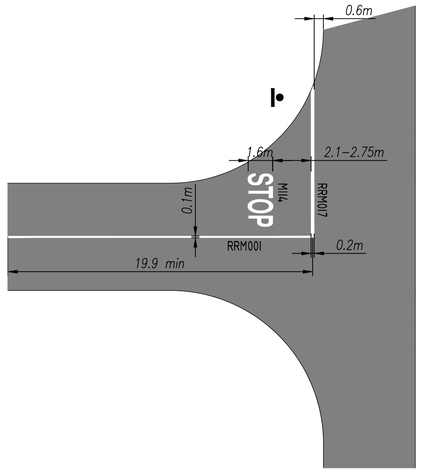
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PLANNING			
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DRG NO.		REVISION	SHEET SIZE
P106		5	A1

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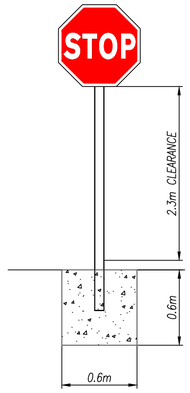
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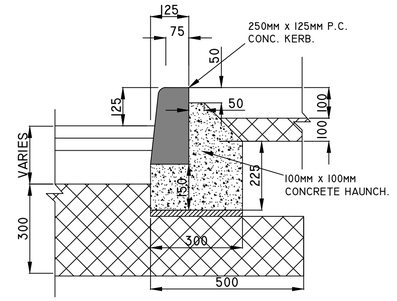
JUNCTION GA
SCALE 1:200



TYPICAL PRIORITY CONTROLLED JUNCTION
NTS



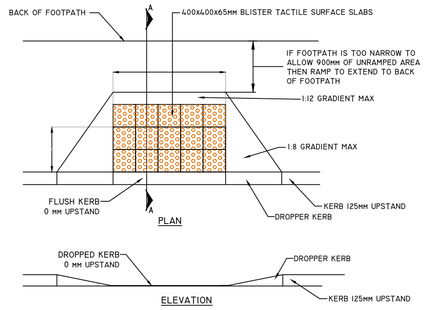
POLE DETAIL
NTS



TYPICAL PRECAST KERB DETAIL
SCALE 1:10

TABLE 1

C.B.R. SUB-GRADE (%)	BELOW 2	2	3	4 or More
THICHNESS OF SUB-BASE (mm)	625	475	350	300
SUB BASE + CAPPING LAYER COMPRISING				
SUB-BASE THICKNESS (mm)	150	150		
CAPPING LAYER THICKNESS (mm)	600	350		



NOTES
1. ALL DIMENSIONS ARE IN MILLIMETRES.
2. BLISTER TACTILE PAVING SLABS 400x400x65MM BUFF IN COLOUR.
3. CONFIGURATION OF BLISTER TACTILE PAVING SLABS TO BE AS SHOWN IN DRAWING MII13-C02.
4. THE TACTILE DOMES ON THE TILES MUST BE LINED UP TO GIVE THE DIRECTION OF TRAVEL IN ORDER TO CROSS THE ROAD STRAIGHT.
5. UTILITY/SERVICE BOXES SHOULD NOT BE LOCATED IN TACTILE PAVED AREAS WHERE POSSIBLE.

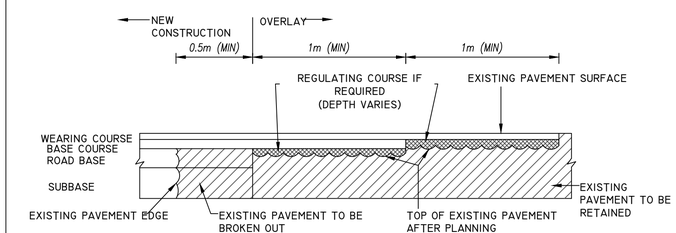
DROPPED KERB
NTS



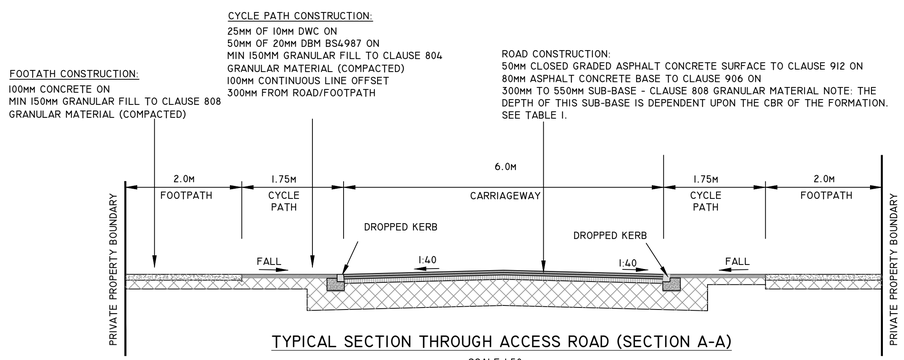
T.S.M. 5.2
(RUS-027)

Scheme Ref.	STOP SIGN	
Sign Ref.	RUS 027	X-height N/A
Letter colour	WHITE	SIGN FACE
Background	RED	Width 750 mm
Border	WHITE	Height N/A
Material	Class RA2 (12899-1:2007)	Area 0.44 sq.m
Drawing file		
NOTE Edge of sign must be least 450 mm from edge of carriageway		

SIGN DETAILS
NTS



TRANSVERSE JOINT BETWEEN NEW CONSTRUCTION AND EXISTING ROAD
SCALE 1:20



TYPICAL SECTION THROUGH ACCESS ROAD (SECTION A-A)
SCALE 1:50

NOTES: ENSURE APPROPRIATE DEPTH OF TACTILE PAVING IS PROVIDED AT THE DIFFERENT UNCONTROLLED CROSSING TYPES, TWO ROWS OF TACTILE (DEPTH OF 800MM) FOR INSET CROSSINGS AND THREE ROWS OF TACTILE PAVING (1,200MM) FOR INLINE CROSSINGS. DETAILS FOR WARNING AND LADDER & TRAMLINE TACTILE PAVING SHOULD ALSO BE PROVIDED FOR CONSTRUCTION.

0 50MM ON A1 DWG. 50

REV	DESCRIPTION	BY	CHK	DATE
5	MASTER LAYOUT UPDATED	AB	RK	30/10/19
4	MASTER LAYOUT UPDATED	RK	RK	06/09/19
3	GA UPDATED	RK	RK	05/07/19
2	UPDATED LAYOUT	RK	RK	19.06.19
1	Revised Drawing	KR	RK	05.03.19

CLIENT

RYCROFT HOMES LTD.

PROJECT

LANDS ADJOINING BRAYTON PARK, KILCOCK, CO. KILDARE.
-

DRAWING TITLE

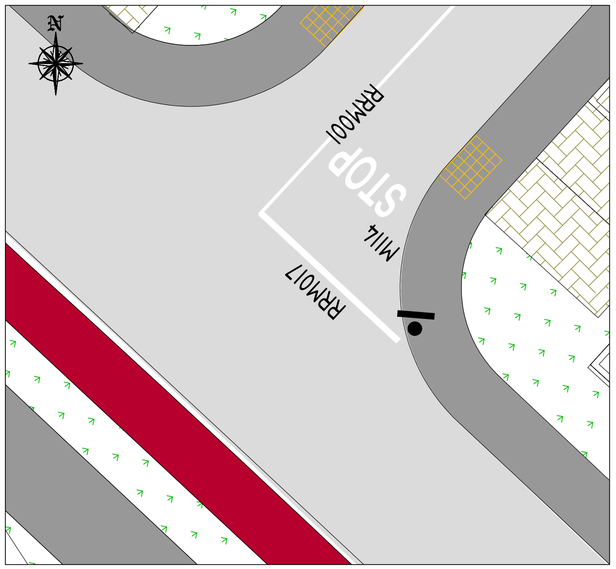
ROAD MARKINGS & SIGNAGE CONSTRUCTION DETAILS

PINNACLE CONSULTING ENGINEERS
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COUNTY DUBLIN,
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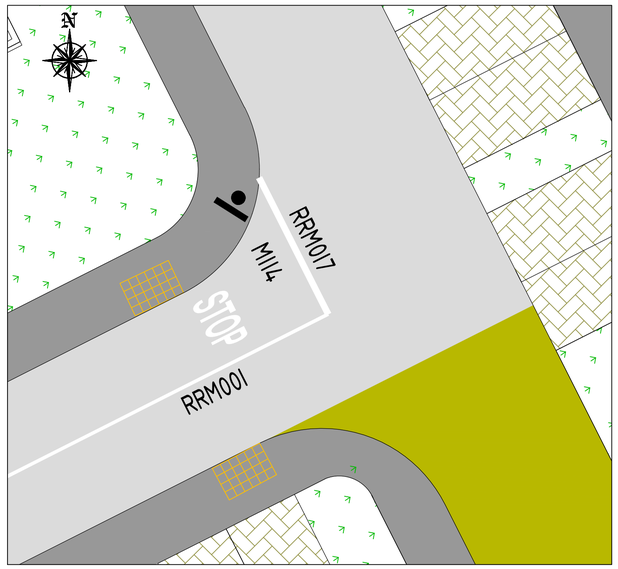
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PLANNING			
SCALE	DATE	DRAWN BY	CHECKED
1:500	MAY '19	KR	RK
DRG NO.		REVISION	SHEET SIZE
PII0		5	A1

REF: PII0507

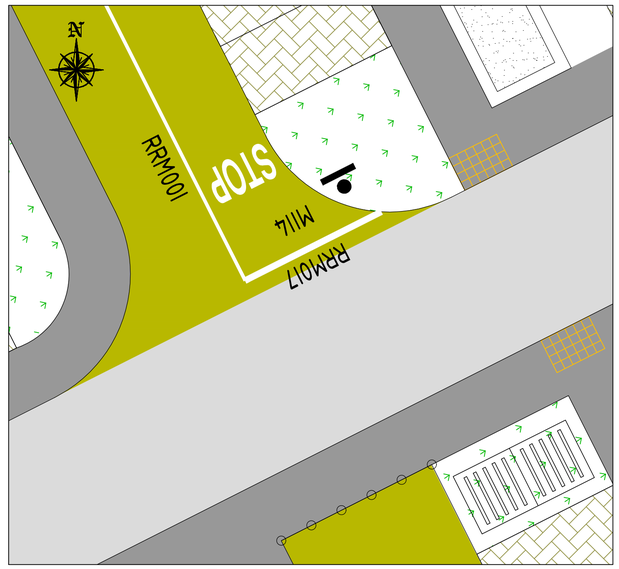
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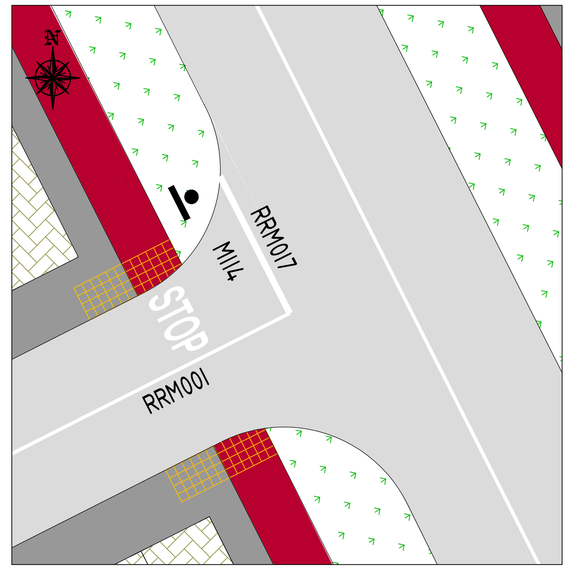
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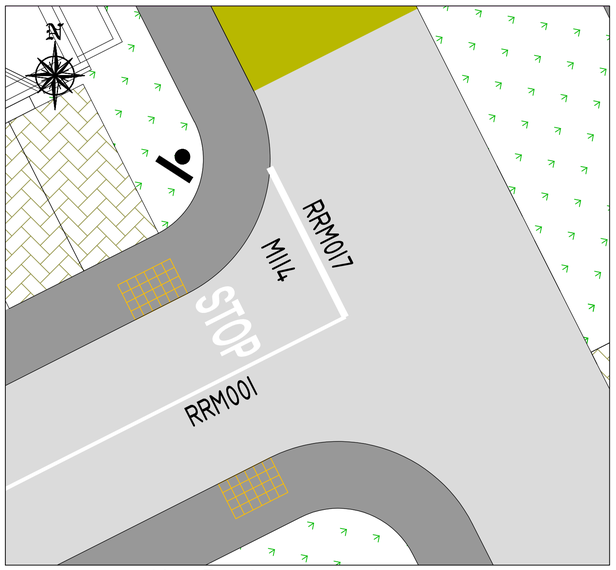
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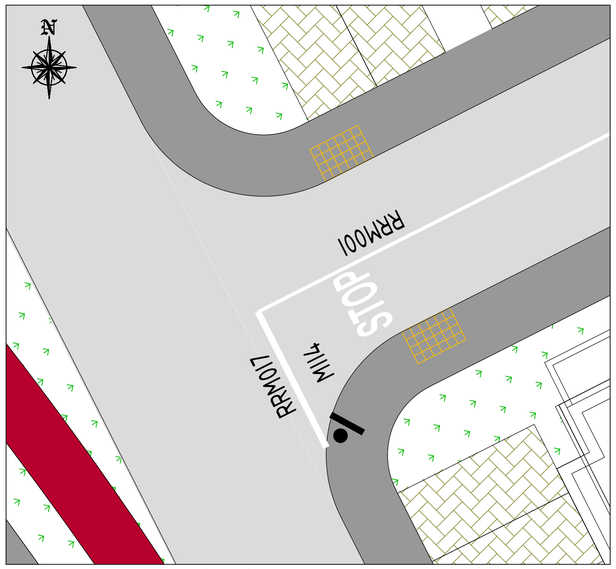
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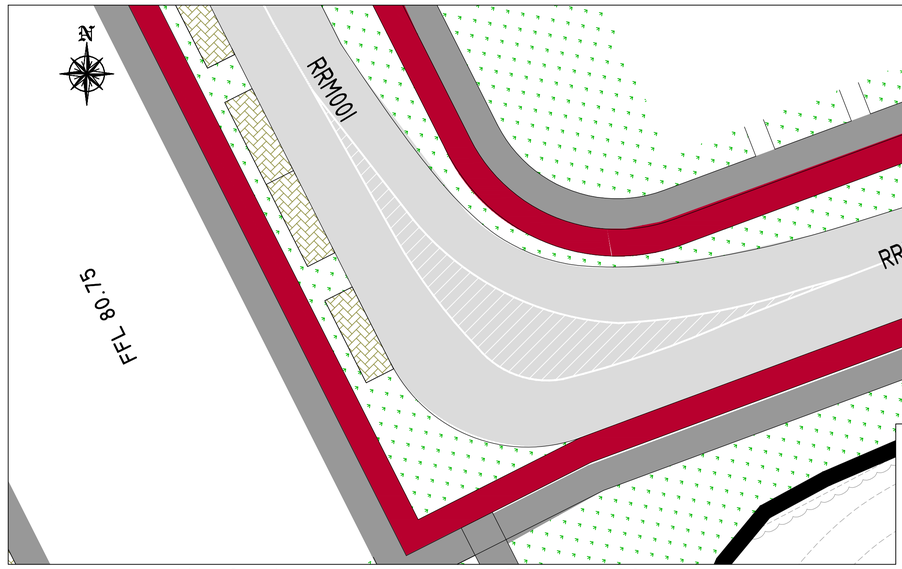
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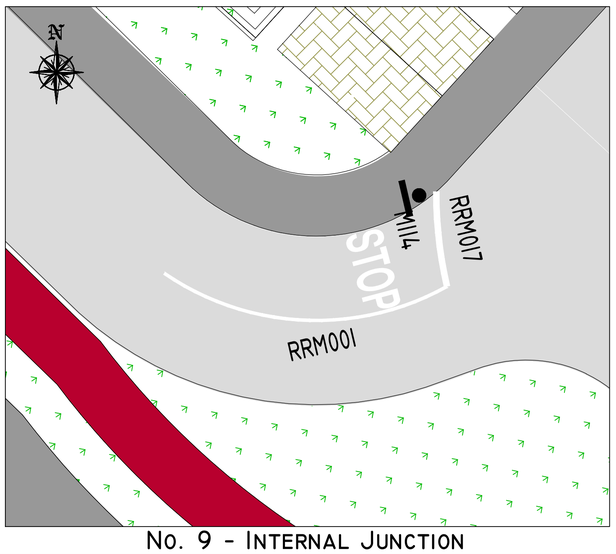
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No. 6 - Internal Junction



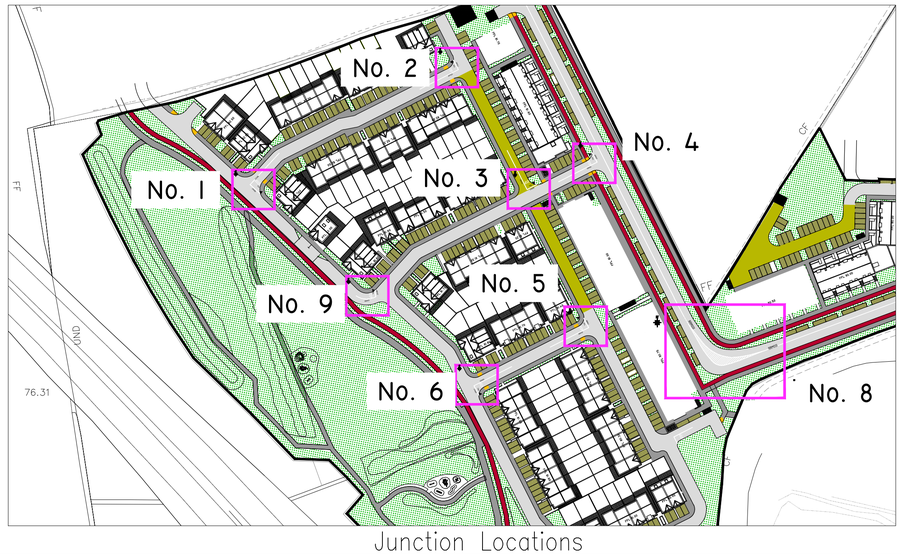
No. 8 - Internal Junction Scale 1:200



No. 9 - Internal Junction

NOTES:
EDGE OF SIGN MUST BE LEAST 450 MM FROM EDGE OF CARRIAGEWAY.

LOCATION OF SIGNS IS INDICATIVE ONLY. SIGN PLACEMENT SUBJECT TO DETAIL DESIGN AND THE REQUIREMENTS OF SECTION 4.4.4 'FORWARD VISIBILITY' OF THE DESIGN MANUAL FOR URBAN ROADS AND STREETS FOR A 30Km/H SPEED LIMIT.



Junction Locations

0 50mm on A1 dwg. 50

REV	DESCRIPTION	BY	CHK	DATE
4	MASTER LAYOUT UPDATED	AB	RK	30/10/19
3	MASTER LAYOUT UPDATED	RK	RK	06/09/19
2	GA UPDATED	RK	RK	05/07/19
1	LAYOUT UPDATED	RK	RK	19/06/19

CLIENT

RYCROFT HOMES LTD.

PROJECT

LANDS ADJOINING BRAYTON PARK, KILCOCK, CO. KILDARE.

DRAWING TITLE

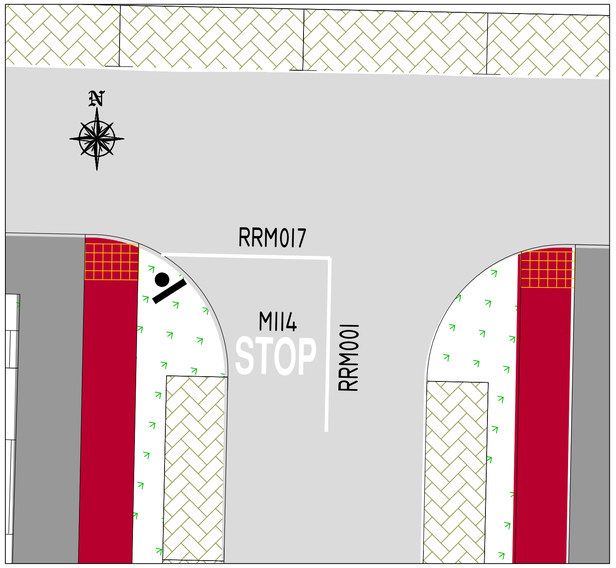
ROAD MARKINGS & SIGNAGE LAYOUT SHEET 1 OF 3

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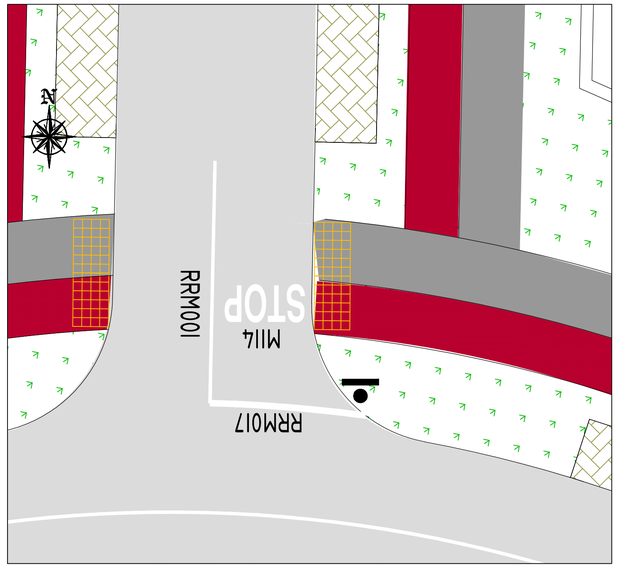
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PLANNING			
SCALE	DATE	DRAWN BY	CHECKED
1:100	MAY '19	RK	JM
DRG NO.		REVISION	SHEET SIZE
P111		4	A1

REF: P183017

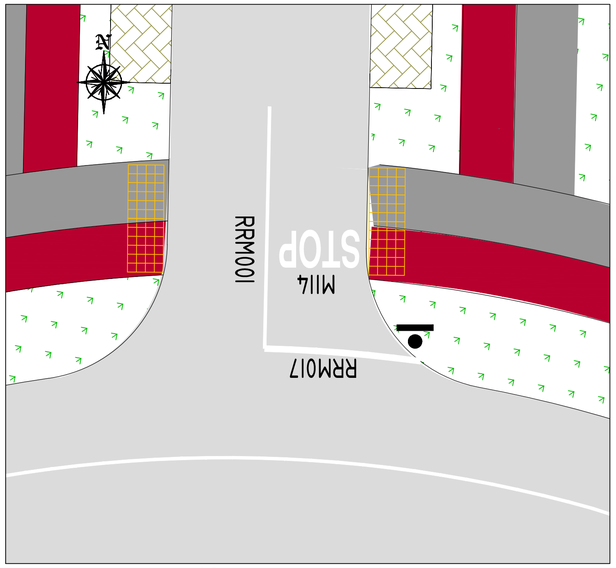
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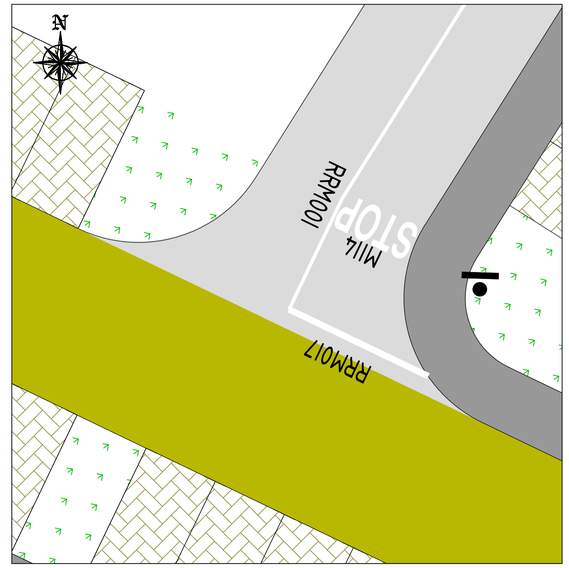
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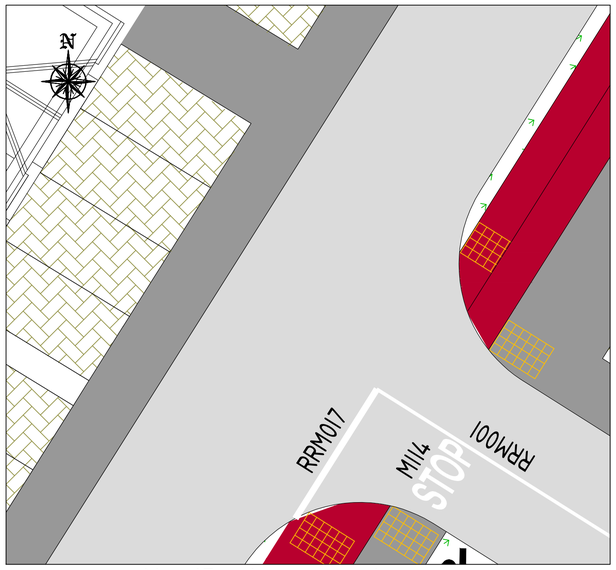
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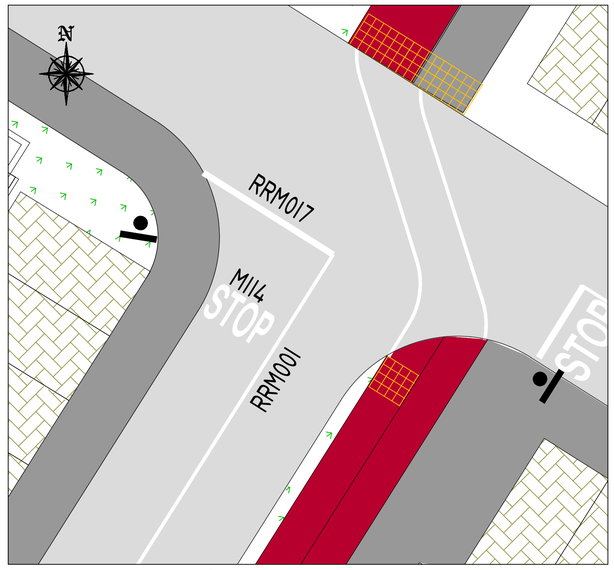
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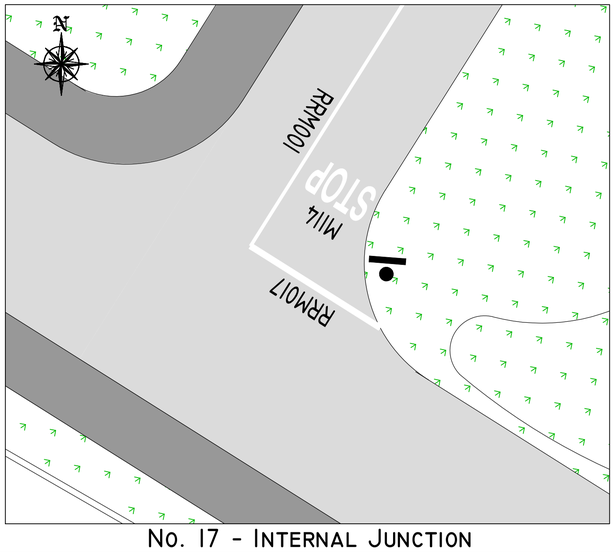
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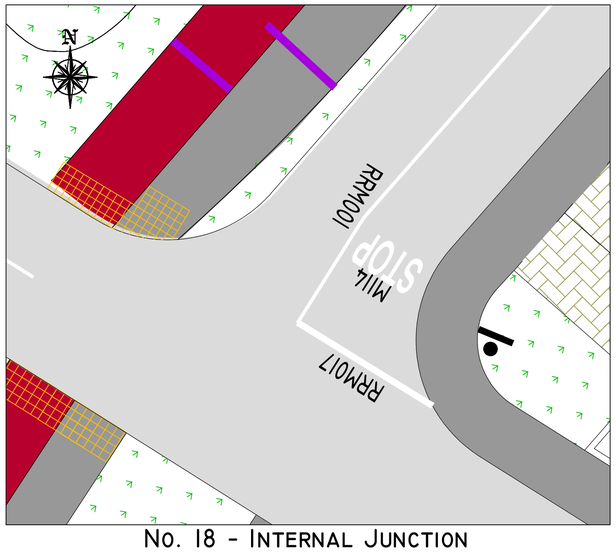
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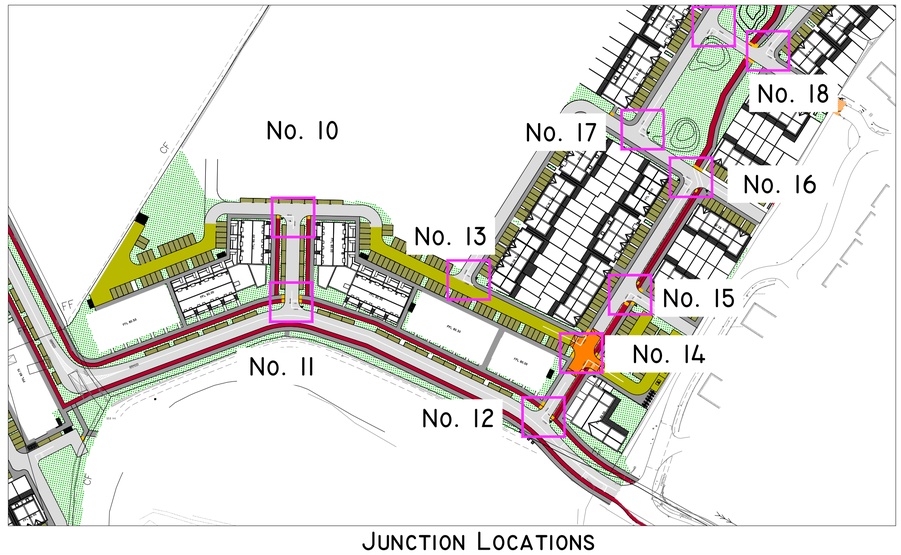
No. 16 - Internal Junction



No. 17 - Internal Junction



No. 18 - Internal Junction



Junction Locations

NOTES:
EDGE OF SIGN MUST BE LEAST 450 MM FROM EDGE OF CARRIAGEWAY.

LOCATION OF SIGNS IS INDICATIVE ONLY. SIGN PLACEMENT SUBJECT TO DETAIL DESIGN AND THE REQUIREMENTS OF SECTION 4.4.4 'FORWARD VISIBILITY' OF THE DESIGN MANUAL FOR URBAN ROADS AND STREETS FOR A 30Km/H SPEED LIMIT.

0 50MM ON A1 DWG. 50

REV	DESCRIPTION	BY	CHK	DATE
3	MASTER LAYOUT UPDATED	AB	RK	30/10/19
2	MASTER LAYOUT UPDATED	RK	RK	06/09/19
1	GA UPDATED	RK	RK	05/07/19

CLIENT

Rycroft Homes Ltd.

PROJECT

Lands Adjoining Brayton Park, Kilcock, Co. Kildare.

DRAWING TITLE

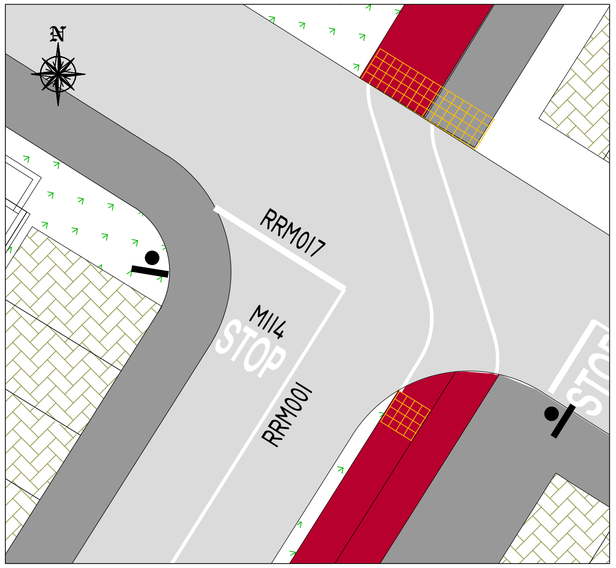
Road Markings & Signage Layout Sheet 2 of 3

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IRELAND. TELEPHONE: +353 1231 1041
NORWICH | WELWYN GARDEN CITY | LONDON | BRISTOL

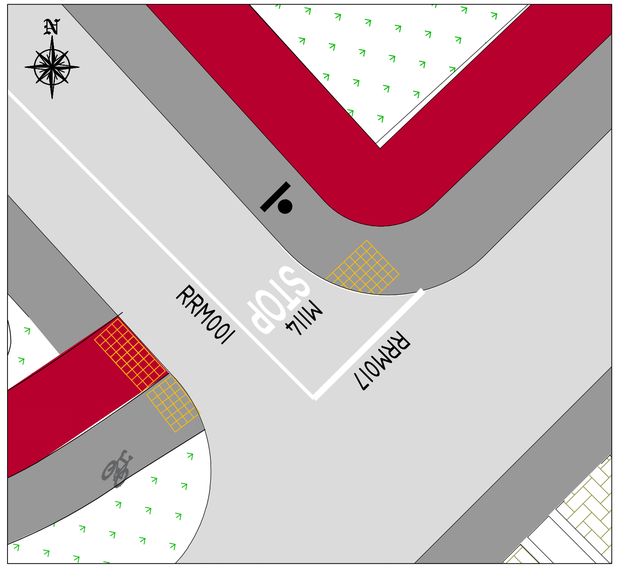
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PLANNING			
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DRG NO.		REVISION	SHEET SIZE
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REF: P180512

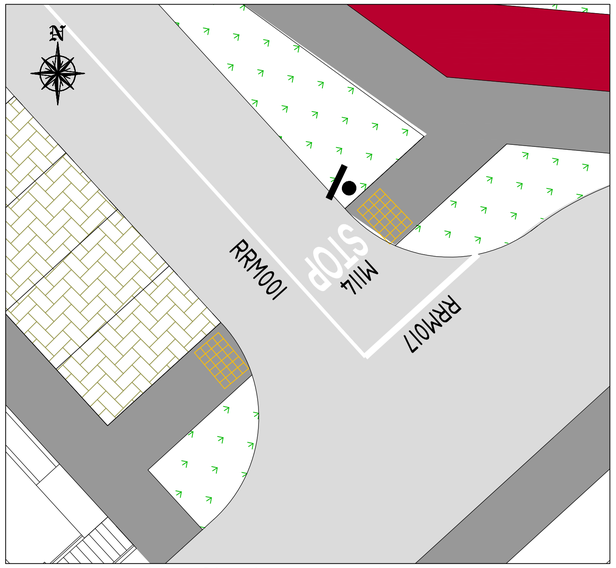
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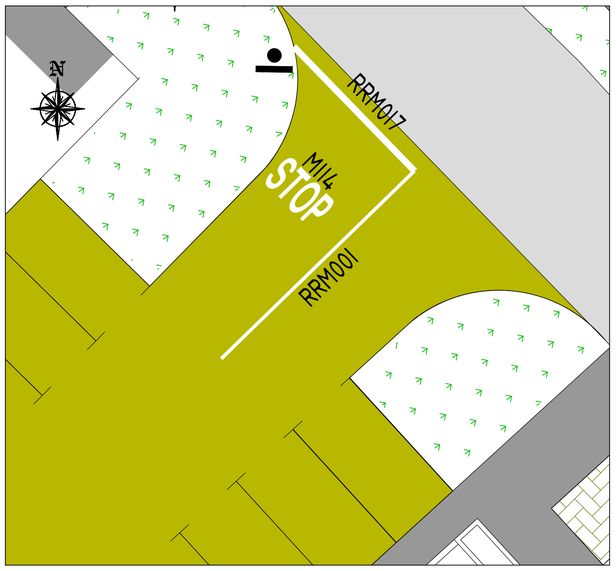
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No. 20 - Internal Junction



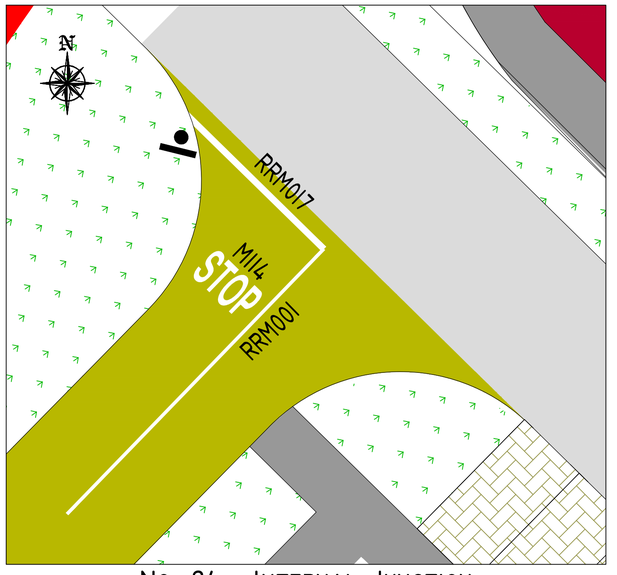
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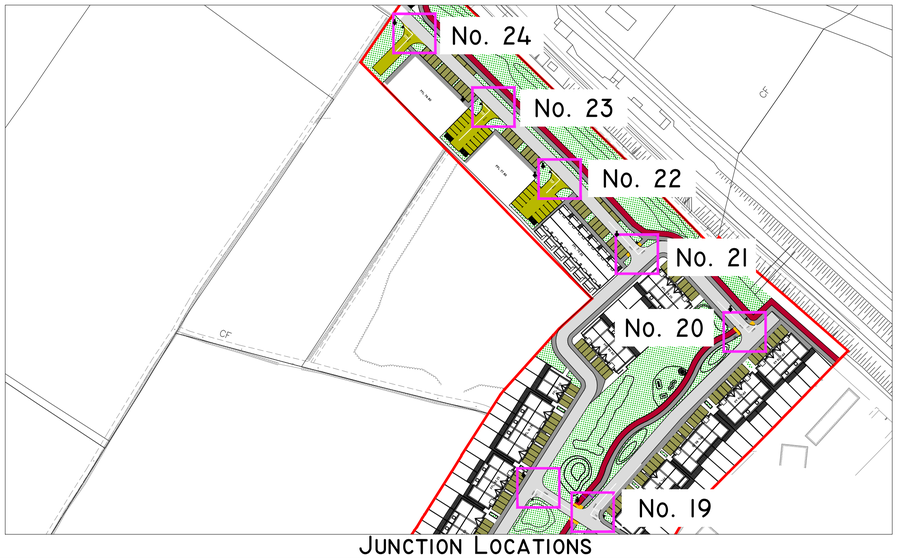
No. 22 - Internal Junction



No. 23 - Internal Junction



No. 24 - Internal Junction



Junction Locations

NOTES:
EDGE OF SIGN MUST BE LEAST 450 MM FROM EDGE OF CARRIAGEWAY.

LOCATION OF SIGNS IS INDICATIVE ONLY. SIGN PLACEMENT SUBJECT TO DETAIL DESIGN AND THE REQUIREMENTS OF SECTION 4.4.4 'FORWARD VISIBILITY' OF THE DESIGN MANUAL FOR URBAN ROADS AND STREETS FOR A 30Km/H SPEED LIMIT.

0 50MM ON A1 DWG. 50

REV	DESCRIPTION	BY	CHK	DATE
3	MASTER LAYOUT UPDATED	AB	RK	30/10/19
2	MASTER LAYOUT UPDATED	RK	RK	06/09/19
1	GA UPDATED	RK	RK	05/07/19

CLIENT

RYCROFT HOMES LTD.

PROJECT

LANDS ADJOINING BRAYTON PARK, KILCOCK, CO. KILDARE.

DRAWING TITLE

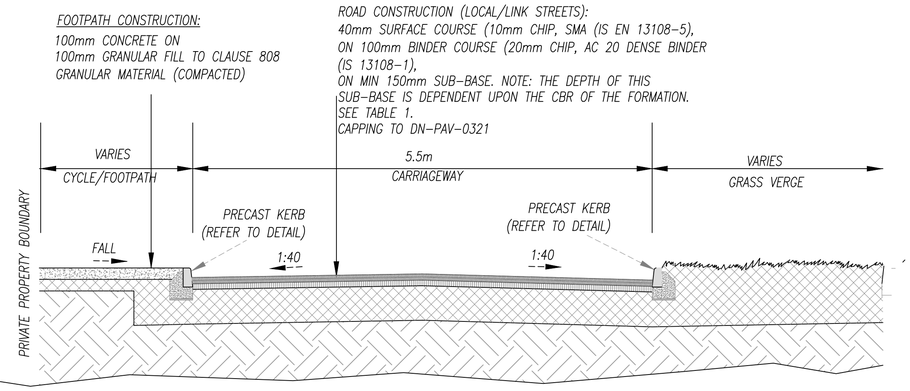
ROAD MARKINGS & SIGNAGE LAYOUT SHEET 3 OF 3

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DRAWING STATUS			
PLANNING			
SCALE	DATE	DRAWN BY	CHECKED
1:100	MAY'19	RK	JM
DRG NO.		REVISION	SHEET SIZE
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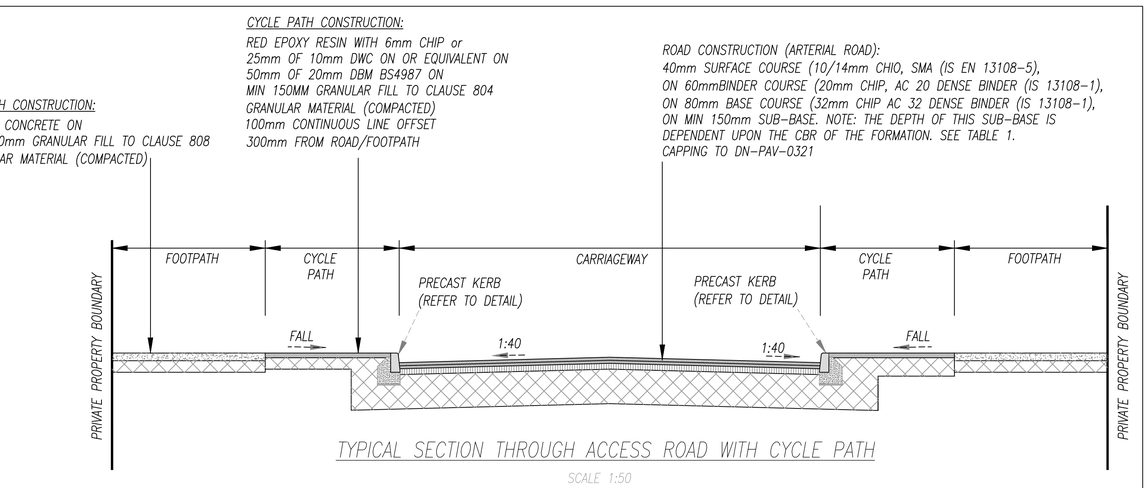
REF: P180307

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TYPICAL SECTION THROUGH LOCAL STREET

SCALE 1:50



TYPICAL SECTION THROUGH ACCESS ROAD WITH CYCLE PATH

SCALE 1:50

TABLE 1

C.B.R. SUB-GRADE (%)	BELOW 2	2	3	4 or More
THICHNESS OF SUB-BASE (mm)	625	475	350	300
SUB BASE + CAPPING LAYER COMPRISING				
SUB-BASE THICKNESS (mm)	150	150		
CAPPING LAYER THICKNESS (mm)	600	350		

0 50MM ON A1 DWG. 50

REV	DESCRIPTION	BY	CHK	DATE
3	GA UPDATED	RK	RK	06/09/19
2	GA UPDATED	RK	RK	05/07/19
1	GA UPDATED	RK	RK	05/04/19

CLIENT

RYCROFT HOMES LTD.

PROJECT

LANDS ADJOINING BRAYTON PARK,
KILCOCK, CO. KILDARE

—

DRAWING TITLE

ROAD CROSS SECTIONS &
Construction Details
Sheet 1 of 2

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CONSULTING ENGINEERS

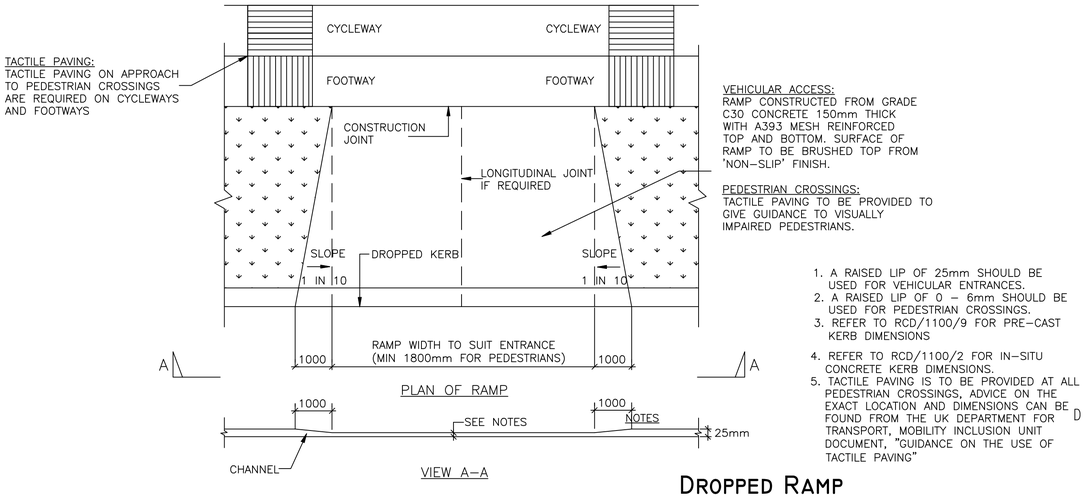
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DRAWING STATUS			
PLANNING			
SCALE	DATE	DRAWN BY	CHECKED
1:100	MAY'19	RK	JM
DRG NO.		REVISION	SHEET SIZE
P114		3	A1

REF: P180307

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TACTILE PAVING:
TACTILE PAVING ON APPROACH TO PEDESTRIAN CROSSINGS ARE REQUIRED ON CYCLEWAYS AND FOOTWAYS

VEHICULAR ACCESS:
RAMP CONSTRUCTED FROM GRADE C30 CONCRETE 150mm THICK WITH A393 MESH REINFORCED TOP AND BOTTOM. SURFACE OF RAMP TO BE BRUSHED TOP FROM 'NON–SLIP' FINISH.

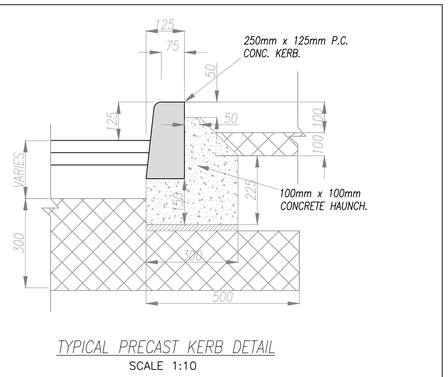
PEDESTRIAN CROSSINGS:
TACTILE PAVING TO BE PROVIDED TO GIVE GUIDANCE TO VISUALLY IMPAIRED PEDESTRIANS.

1. A RAISED LIP OF 25mm SHOULD BE USED FOR VEHICULAR ENTRANCES.
2. A RAISED LIP OF 0 – 6mm SHOULD BE USED FOR PEDESTRIAN CROSSINGS.
3. REFER TO RCD/1100/9 FOR PRE–CAST KERB DIMENSIONS
4. REFER TO RCD/1100/2 FOR IN–SITU CONCRETE KERB DIMENSIONS.
5. TACTILE PAVING IS TO BE PROVIDED AT ALL PEDESTRIAN CROSSINGS, ADVICE ON THE EXACT LOCATION AND DIMENSIONS CAN BE FOUND FROM THE UK DEPARTMENT FOR TRANSPORT, MOBILITY INCLUSION UNIT DOCUMENT, "GUIDANCE ON THE USE OF TACTILE PAVING"

D

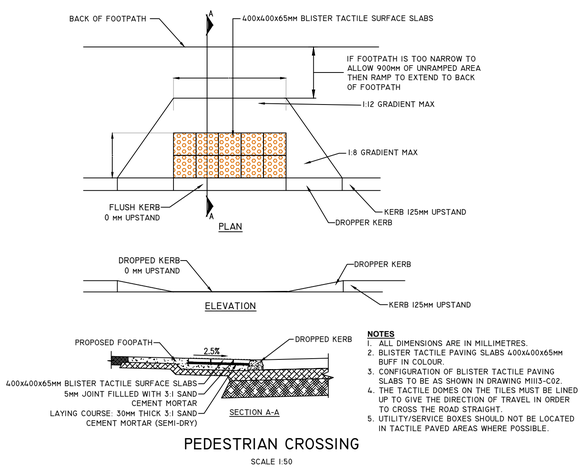
DROPPED RAMP

NTS



TYPICAL PRECAST KERB DETAIL
SCALE 1:10

NOTES: ENSURE APPROPRIATE DEPTH OF TACTILE PAVING IS PROVIDED AT THE DIFFERENT UNCONTROLLED CROSSING TYPES, TWO ROWS OF TACTILE (DEPTH OF 800MM) FOR INSET CROSSINGS AND THREE ROWS OF TACTILE PAVING (1,200MM) FOR INLINE CROSSINGS. DETAILS FOR WARNING AND LADDER & TRAMLINE TACTILE PAVING SHOULD ALSO BE PROVIDED FOR CONSTRUCTION.

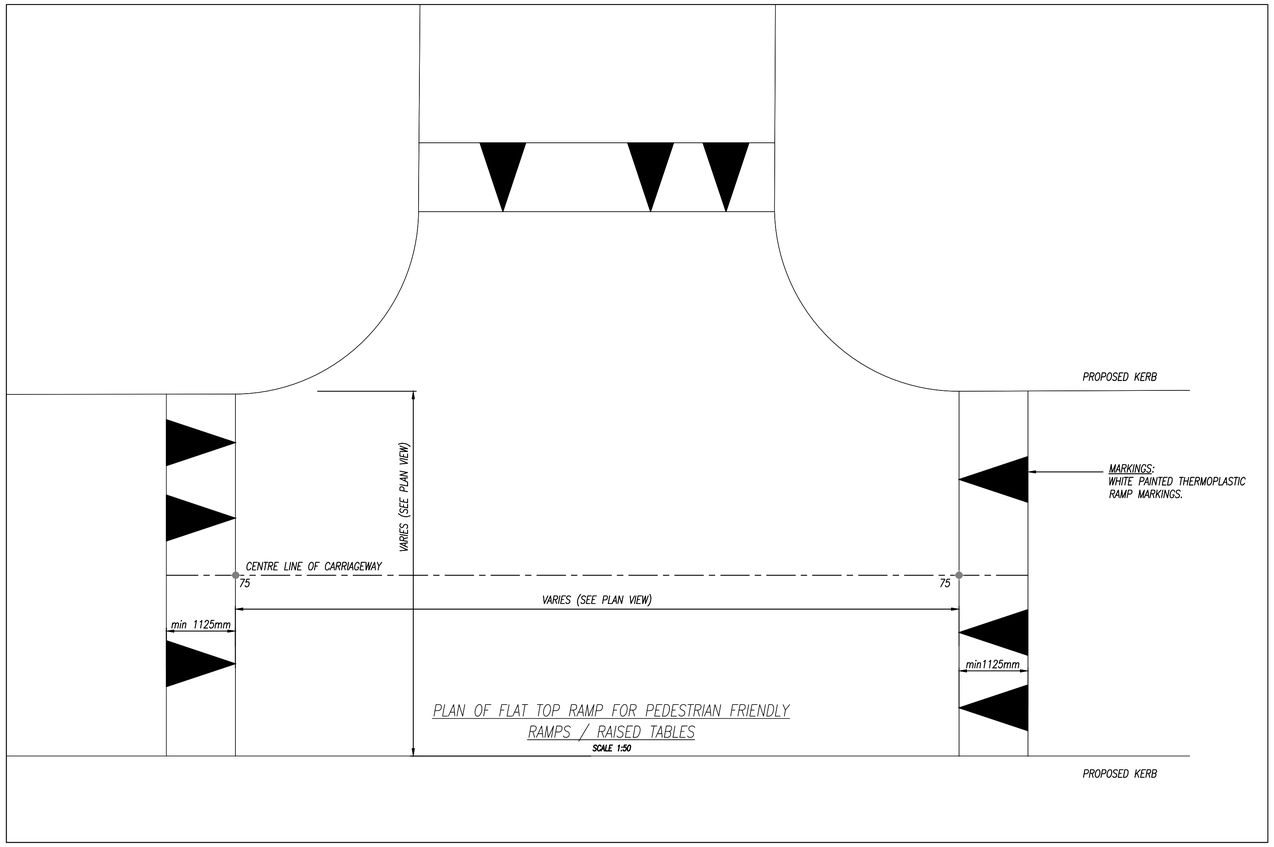


NOTES
1. ALL DIMENSIONS ARE IN MILLIMETRES.
2. BLISTER TACTILE PAVING SLABS 400x400x65MM BUFF IN COLOUR.
3. CONFIGURATION OF BLISTER TACTILE PAVING SLABS TO BE AS SHOWN IN DRAWING MIII3-C02.
4. THE TACTILE DOMES ON THE TILES MUST BE LINED UP TO GIVE THE DIRECTION OF TRAVEL IN ORDER TO CROSS THE ROAD STRAIGHT.
5. UTILITY/SERVICE BOXES SHOULD NOT BE LOCATED IN TACTILE PAVED AREAS WHERE POSSIBLE.

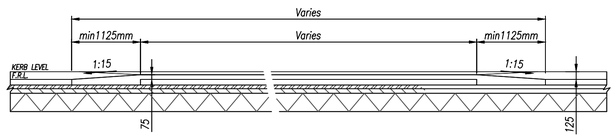
PEDESTRIAN CROSSING
SCALE 1:50

TABLE 1

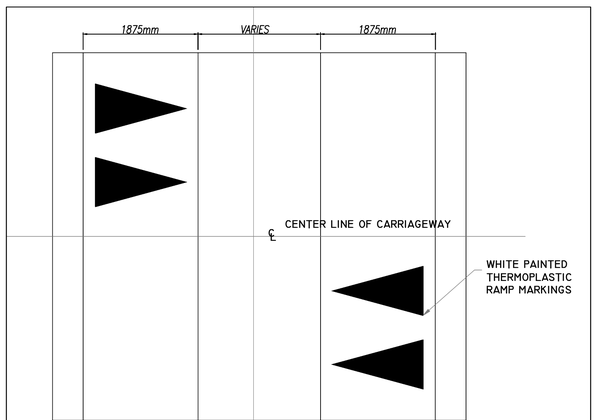
C.B.R. SUB-GRADE (%)	BELOW 2	2	3	4 or More
THICHNESS OF SUB-BASE (mm)	625	475	350	300
SUB BASE + CAPPING LAYER COMPRISING				
SUB-BASE THICKNESS (mm)	150	150		
CAPPING LAYER THICKNESS (mm)	600	350		



0 – 75mm SURFACE COURSE 10mm NOMINAL SIZE DENSE BITUMEN MACADAM.
50mm X 75mm KEY IN TO ROAD CONSTRUCTION
ALL JOINTS TO BE SEALED WITH TAR.
ROAD MARKINGS AND CATS EYES AS INDICATED ON PLAN DRAWING



TYPICAL CONSTRUCTION FOR FLAT TOP PEDESTRIAN FRIENDLY RAMP / RAISED TABLES (MAX HEIGHT 75mm)
SCALE 1:50



PLAN FOR SPEED TABLES, RAMPS AND CUSHIONS
(Scale 1:50)

0 50MM ON A1 DWG. 50

REV	DESCRIPTION	BY	CHK	DATE
2	GA UPDATED	RK	RK	06/09/19
1	GA UPDATED	RK	RK	05/04/19

CLIENT

RYCROFT HOMES LTD.

PROJECT

LANDS ADJOINING BRAYTON PARK, KILCOCK, CO. KILDARE

—

DRAWING TITLE

ROAD CROSS SECTIONS & Construction Details Sheet 1 of 2

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COUNTY DUBLIN,
IRELAND. TELEPHONE: +353 1231 1041
NORWICH | WELWYN GARDEN CITY | LONDON | BRISTOL

DRAWING STATUS			
PLANNING			
SCALE 1:100	DATE MAY'19	DRAWN BY RK	CHECKED JM
DRG NO. PII5		REVISION 2	SHEET SIZE A1

REF: P180307

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NOTES:
EDGE OF SIGN MUST BE LEAST 450 MM FROM EDGE OF CARRIAGEWAY.

LOCATION OF SIGNS IS INDICATIVE ONLY. SIGN PLACEMENT SUBJECT TO DETAIL DESIGN AND THE REQUIREMENTS OF SECTION 4.4.4 'FORWARD VISIBILITY' OF THE DESIGN MANUAL FOR URBAN ROADS AND STREETS FOR A 30Km/H SPEED LIMIT.

JUNCTION GA
NTS



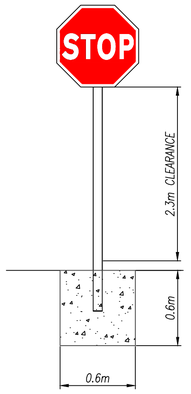
T.S.M. 5.2
(RUS-027)

Scheme Ref.	STOP SIGN	
Sign Ref.	RUS 027	X-height N/A
Letter colour	WHITE	SIGN FACE
Background	RED	Width 750 mm
Border	WHITE	Height N/A
Material	Class RA2 (12899-1:2007)	Area 0.44 sq.m
Drawing file		
NOTE Edge of sign must be least 450 mm from edge of carriageway		



T.S.M. 5.18.6
(RUS-009, P 010)

Scheme Ref. PEDAL CYCLES ONLY & END		
Sign Ref.	RUS 009 & P010	X-height 50
Letter colour	BLACK	SIGN FACE
Background	WHITE	Width 550mm
Border	BLACK	Height 855mm
Material	Class RA2 (12899-1:2007)	Area 0.47sq.m
Drawing file		
NOTE Edge of sign must be least 450 mm from edge of carriageway		



POLE DETAIL
NTS



T.S.M. 5.18
(RUS-058CR)

Scheme Ref. SEGREGATED CYCLE & PEDESTRIAN ROUTE		
Sign Ref.	FIG. 5.28	X-height N/A
Letter colour	N/A	SIGN FACE
Background	BLUE	Width 855mm
Border	GREY	Height 780mm
Material	Class RA2 (12899-1:2007)	Area 0.69 sq.m
Drawing file		
NOTE Edge of sign must be least 450 mm from edge of carriageway		



T.S.M. 5.18
(RUS-009)

Scheme Ref. CYCLE TRACK		
Sign Ref.	FIG. 5.28	X-height N/A
Letter colour	N/A	SIGN FACE
Background	BLUE	Width 855mm
Border	GREY	Height 780mm
Material	Class RA2 (12899-1:2007)	Area 0.69 sq.m
Drawing file		
NOTE Edge of sign must be least 450 mm from edge of carriageway		

NOTE:
1. ALL DIMENSIONS IN MILLIMETERS UNLESS STATED OTHERWISE.
2. ALL STEELWORK TO BE GRADE S355 J2 IN ACCORDANCE WITH IS.EN 10210-1
3. ALL STEELWORK TO BE HOT-DIP GALVANIZED IN ACCORDANCE WITH IS.EN ISO 1461
4. CHECK THE UNDERGROUND SERVICES AT AN EARLY STAGE (AND ACCOMMODATE AS MAY BE NECESSARY).
5. REFER TO TRAFFIC SIGN MANUAL FOR ALL STANDARD DIMENSION
6. POST EMBEDMENT TO BE 0.75xD
7. ORIENTATION OF SIGN:
ON A STRAIGHT ROAD – HORIZONTAL AXIS 96° AWAY FROM THE GENERAL ALIGNMENT OF THE LEFT-HAND SIDE OF THE CARRIAGEWAY,
ON A RIGHT-HAND BENDS – 90° ANGEL TO A LINE TANGENTIAL TO THE LEFT-HAND EDGE OF CARRIAGEWAY,
ON A LEFT-HAND BENDS – 95° FROM A LINE JOINING THE EDGE OF CARRIAGEWAY 200m IN ADVANCE OF THE SIGN.

TABLE.01

SUMMARY: / SIGN FACE AREA:	TRADITIONAL FOUNDATION OPTION 1			TRADITIONAL FOUNDATION OPTION 2			PLANTED FOUNDATION		POST SIGN		
	L	W	D	L	W	D	Dia.	D	L	W	D
≤0.283 m^2 (600mm Ø)	0.75m	0.4m	0.55m	0.55m	0.55m	0.55m	0.40m	0.5m	76.1	3.2	CHS
0.283≤AREA≤0.5625m^2 (BETWEEN 600 Ø AND 750x750)	0.75m	0.65m	0.65m	0.70m	0.70m	0.70m	0.40m	0.65m	76.1	3.2	CHS
0.5625≤AREA≤1.189m^2 (750x750 TO 940x1265m^2)	1.0m	0.75m	0.5m	0.80m	0.80m	0.80m	0.40m	0.75m	76.1	3.2	CHS



T.S.M. 6.17
(W141)

Scheme Ref.	SCHOOL AHEAD	
Sign Ref.	W 141	X-height N/A
Letter colour	N/A	SIGN FACE
Background	YELLOW	Width 600mm
Border	BLACK	Height N/A
Material	Class RA2 (12899-1:2007)	Area 0.36 sq.m
Drawing file		
NOTE Edge of sign must be least 450 mm from edge of carriageway		

0 50MM ON A1 DWG. 50

REV	DESCRIPTION	BY	CHK	DATE
3	GA UPDATED	AB	RK	30/10/19
2	GA UPDATED	RK	RK	06/09/19
1	GA UPDATED	RK	RK	05/07/19

CLIENT
RYCROFT HOMES LTD.

PROJECT
LANDS ADJOINING BRAYTON PARK, KILCOCK, CO. KILDARE
-

DRAWING TITLE
SAMPLE SIGNGAGE LAYOUT & CONSTRUCTION DETAILS

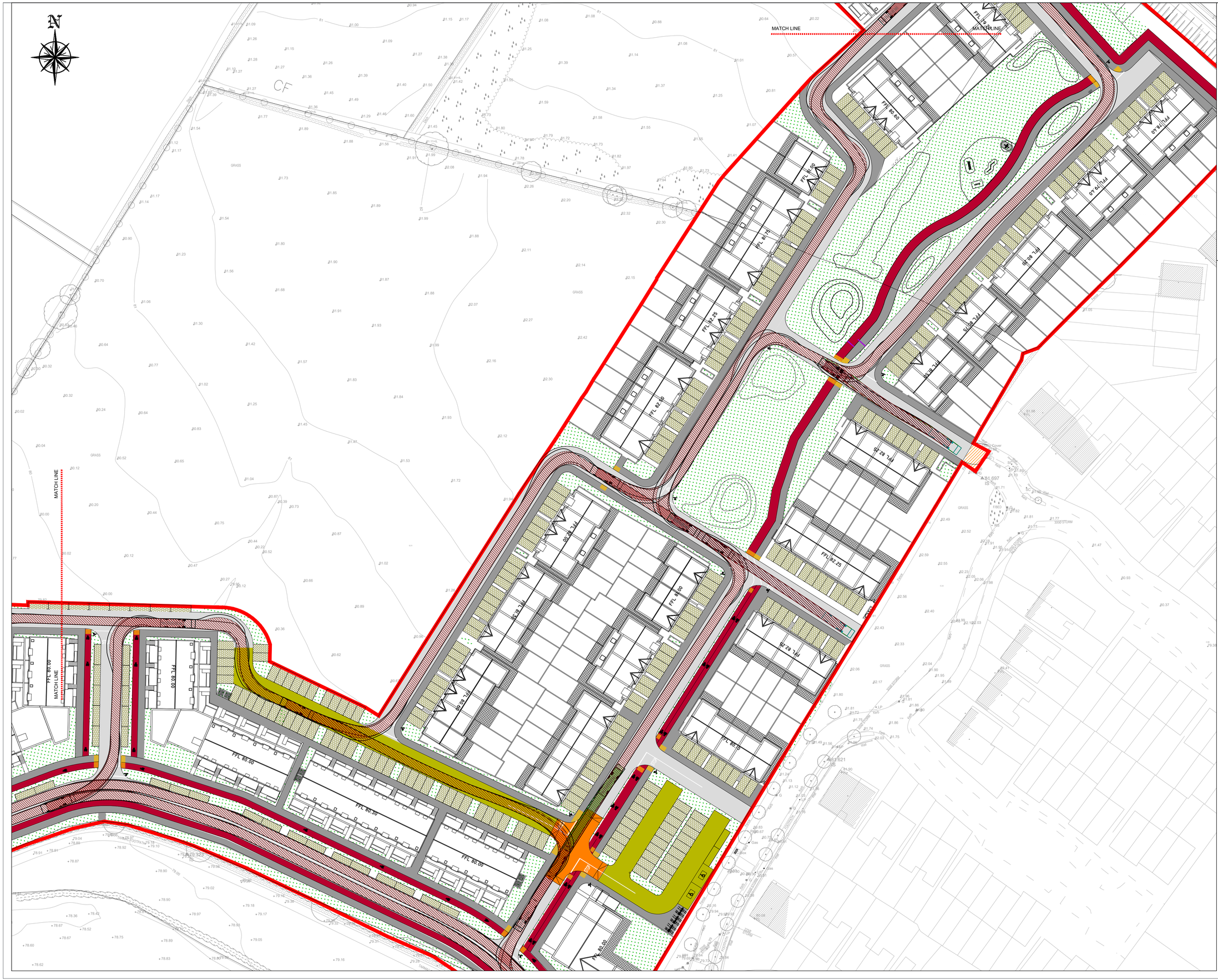
PINNACLE CONSULTING ENGINEERS
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COUNTY DUBLIN,
IRELAND. TELEPHONE: +353 1231 1041
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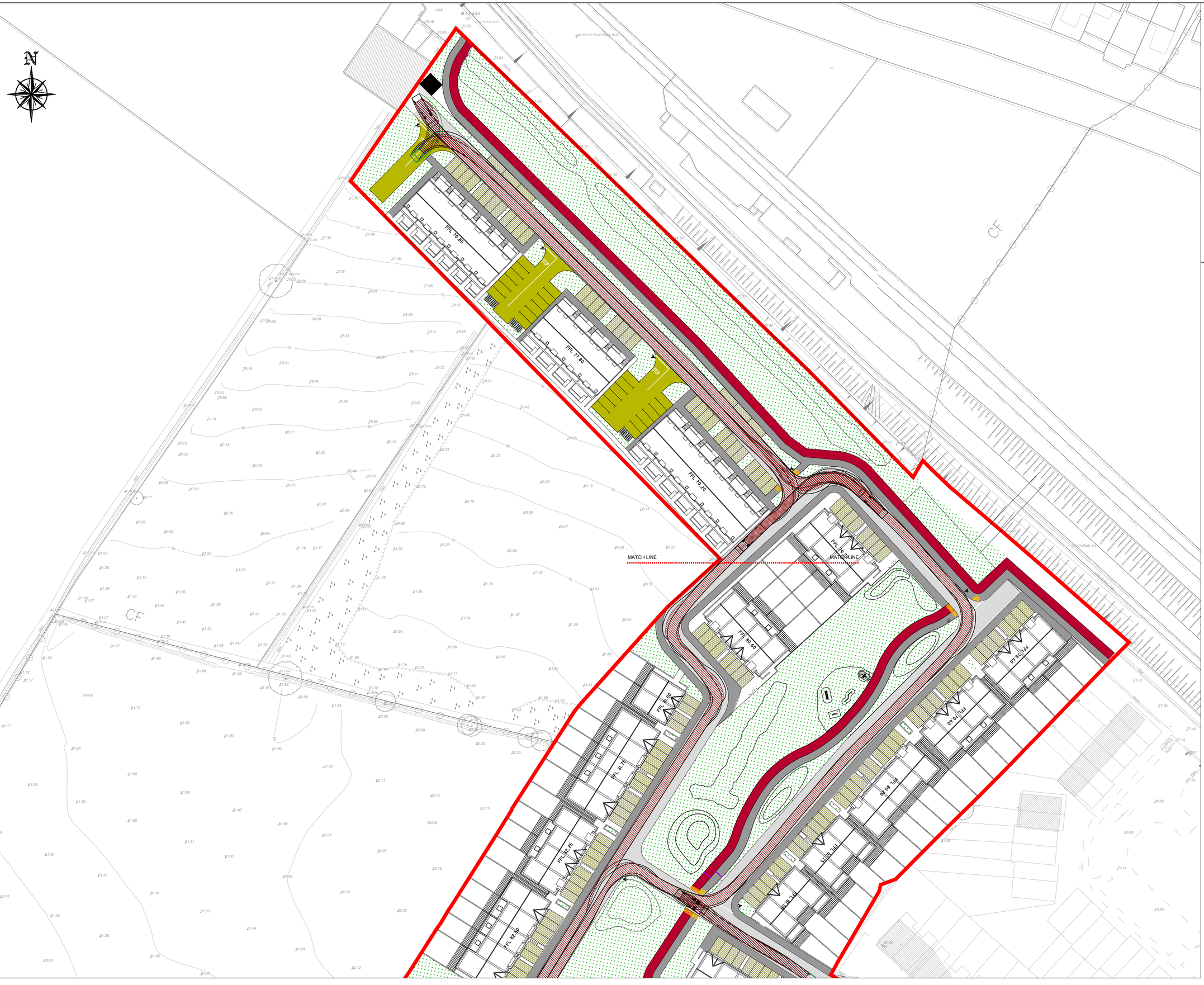
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PLANNING			
SCALE	DATE	DRAWN BY	CHECKED
1:500	JUNE '19	RK	RK
DRG NO.		REVISION	SHEET SIZE
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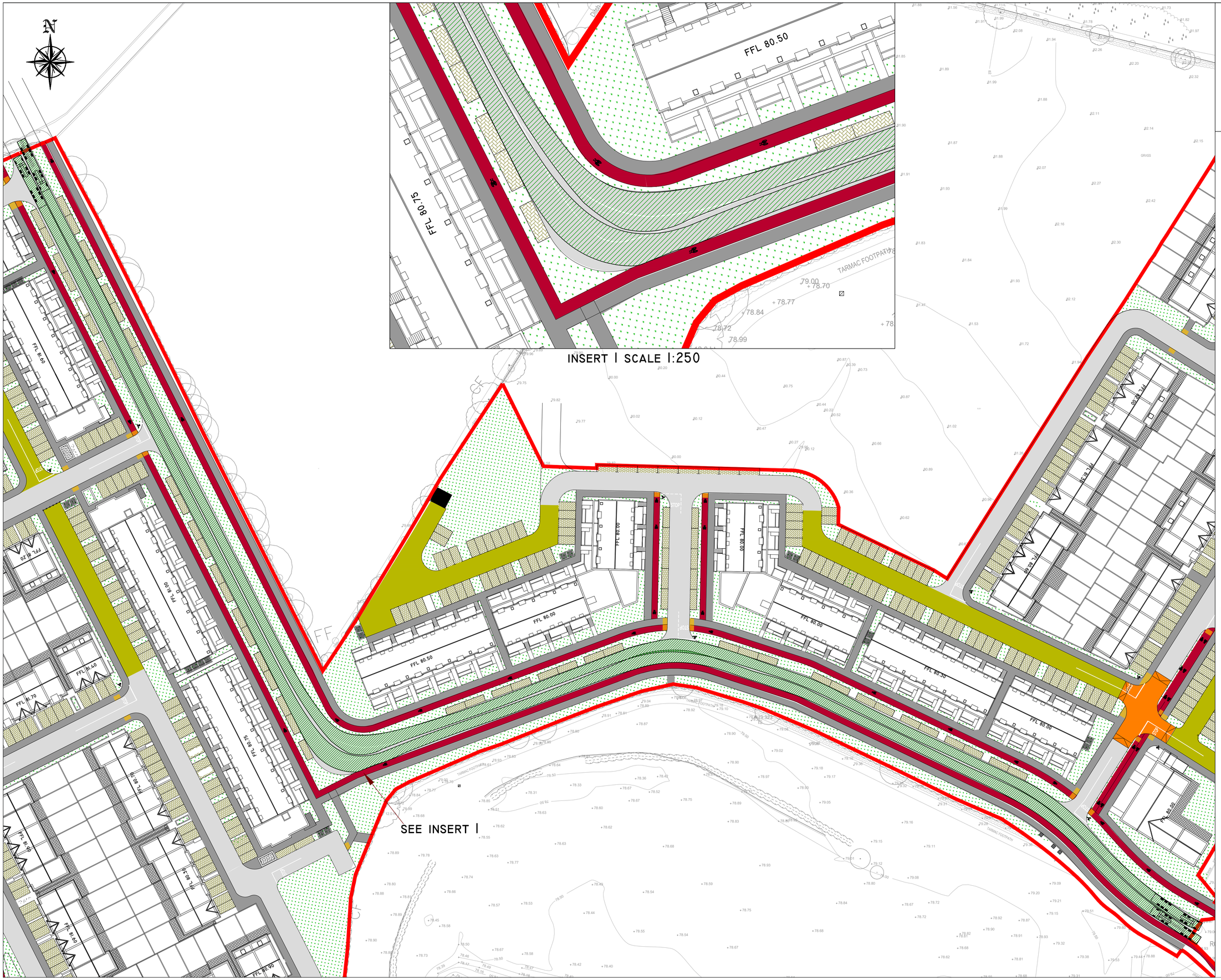
REF: P180307

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FFL 82.50
FFL 82.50
FFL 82.50
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FFL 82.50
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FFL 82.50
FFL 82.50
FFL 81.70
FFL 81.60
FFL 81.50
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FFL 81.60
FFL 81.50
FFL 81.50
FFL 81.20
FFL 81.00
FFL 81.70
FFL 81.60
FFL 81.60
FFL 81.60


N
MATCH LINE
MATCH LINE
MATCH LINE
FFL 80.00
FFL 80.00
FFL 80.00
FFL 80.30
FFL 80.00
FFL 80.00
FFL 80.00


N
MATCH LINE
MATCH LINE
FFL 76.60
FFL 77.80
FFL 79.20
FFL 80.60
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FFL 82.50
FFL 79.40
FFL 79.40
FFL 80.30
FFL 80.10
FFL 78.70
FFL 78.70
ESB
ESB
ESB



Max Legal Length (UK) Articulated Vehicle (16.5m)

Overall Length	16.500m
Overall Width	2.550m
Overall Body Height	3.681m
Min Body Ground Clearance	0.411m
Max Track Width	2.500m
Lock-to-lock time	6.00s
Curb to Curb Turning Radius	6.530m

0 50MM ON A1 DWG. 50

REV	DESCRIPTION	BY	CHK	DATE
5	MASTER LAYOUT UPDATED	AB	RK	30/10/19
4	MASTER LAYOUT UPDATED	RK	RK	06/09/19
3	UPDATED LAYOUT	RK	RK	05/07/19
2	UPDATED LAYOUT	RK	RK	19/06/19
1	ABP PLANNING ISSUE	RK	RK	07/02/19

CLIENT

RYCROFT HOMES LTD.

PROJECT

LANDS ADJOINING BRAYTON PARK,
Kilcock, Co. Kildare.
-

DRAWING TITLE

AUTOTRACK LAYOUT
HGV VEHICLE

PINNACLE CONSULTING ENGINEERS

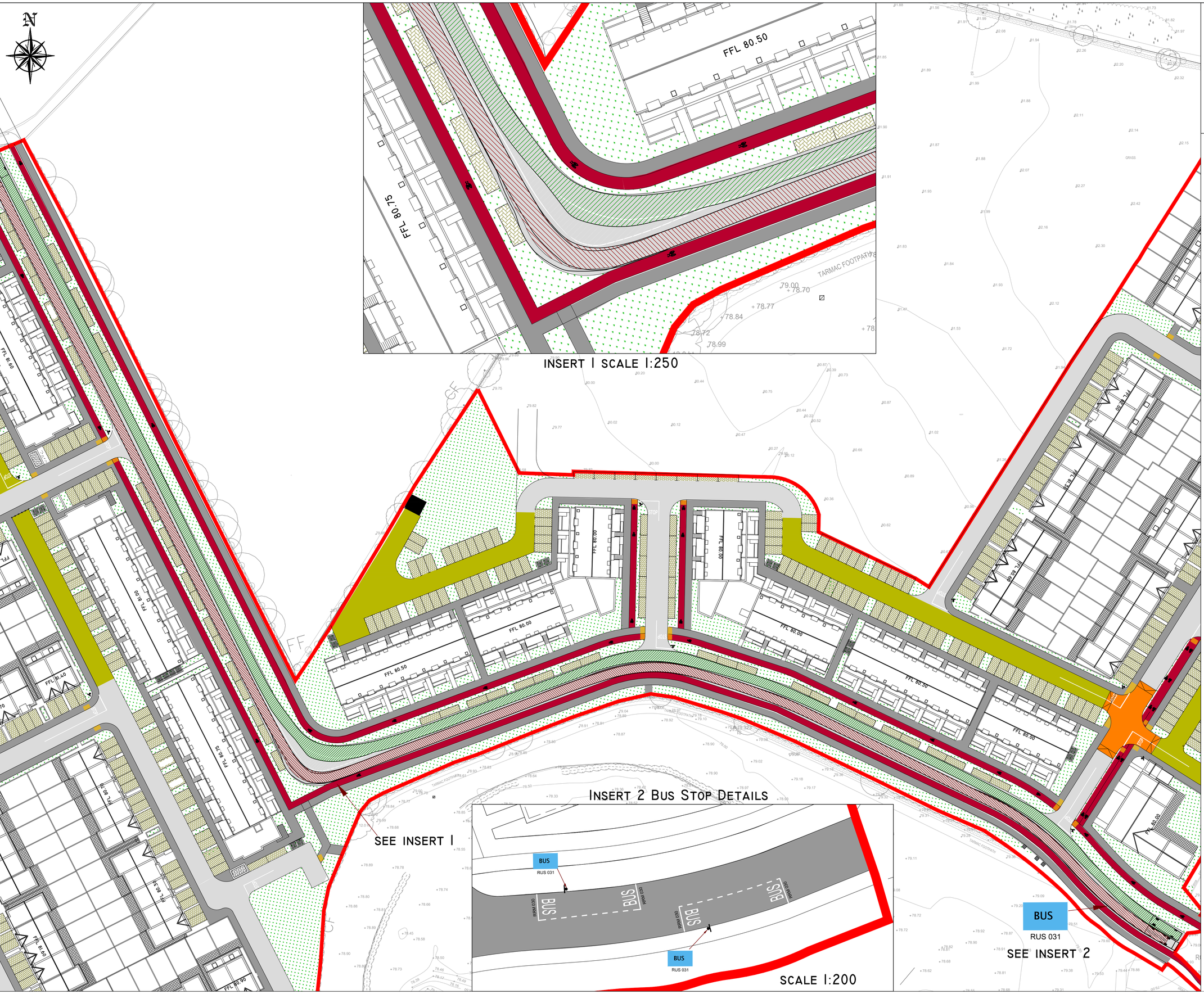
GROSVENOR COURT,
67A PATRICK STREET,
DUN LAOGHAIRE,
COUNTY DUBLIN,
IRELAND. TELEPHONE: +353 1231 1041

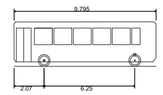
NORWICH | WELWYN GARDEN CITY | LONDON | BRISTOL

DRAWING STATUS			
PLANNING			
SCALE	DATE	DRAWN BY	CHECKED
1:500	FEB '19	RK	RK
DRG NO.		REVISION	SHEET SIZE
P123		5	A1

COPYRIGHT PINNACLE

REF: P180307





Single Deck Bus

Overall Length	9.795m
Overall Width	2.500m
Overall Body Height	3.070m
Min Body Ground Clearance	0.306m
Track Width	2.322m
Lock-to-lock time	6.00s
Curb to Curb Turning Radius	10.111r

0 50MM ON A1 DWG. 50

REV	DESCRIPTION	BY	CHK	DATE
5	MASTER LAYOUT UPDATED	AB	RK	30/10/19
4	MASTER LAYOUT UPDATED	RK	RK	06/09/19
3	UPDATED LAYOUT	RK	RK	05/07/19
2	UPDATED LAYOUT	RK	RK	19/06/19
1	ABP PLANNING ISSUE	RK	RK	07/02/19

CLIENT

RYCROFT HOMES LTD.

PROJECT

LANDS ADJOINING BRAYTON PARK,
Kilcock, Co. Kildare.
-

DRAWING TITLE

AUTOTRACK LAYOUT
BUS

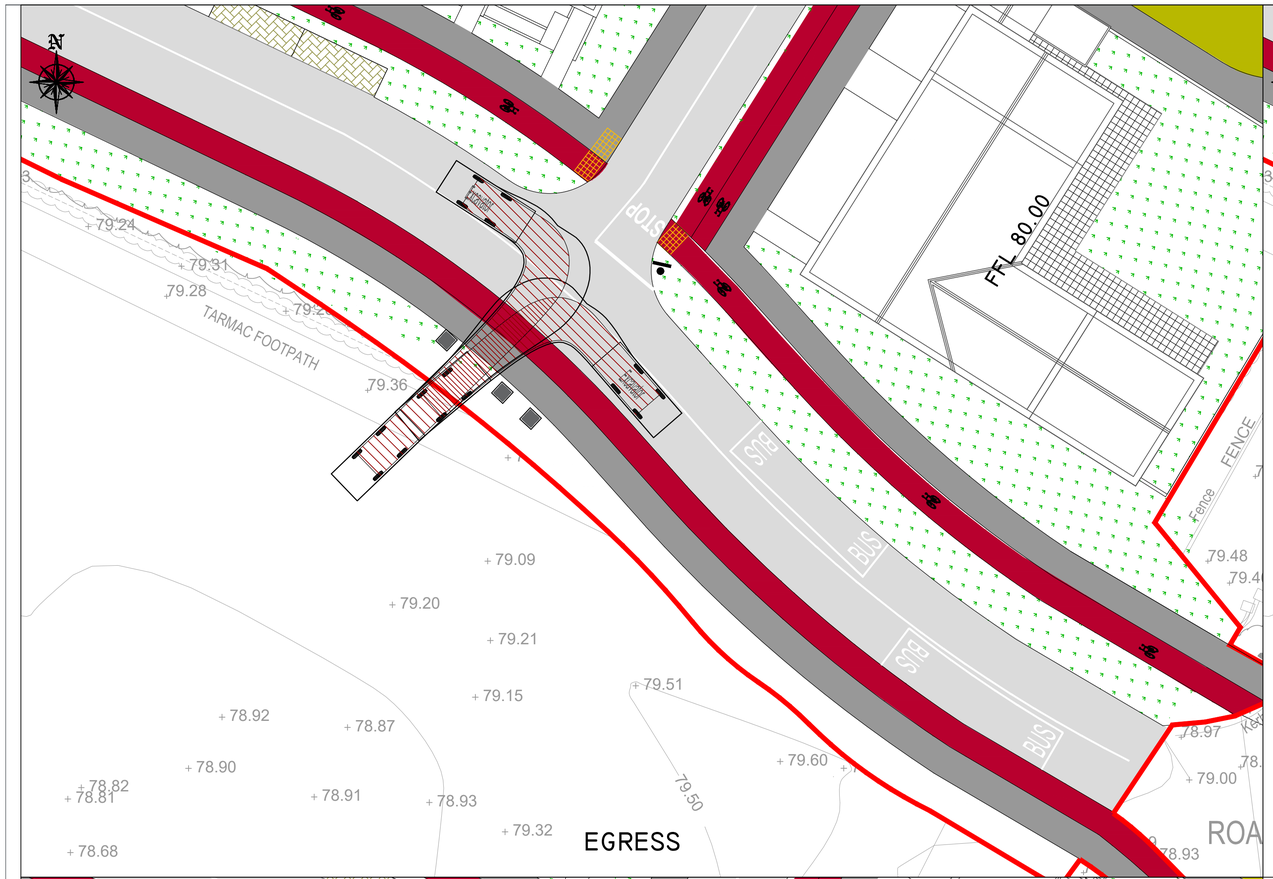
PINNACLE CONSULTING ENGINEERS

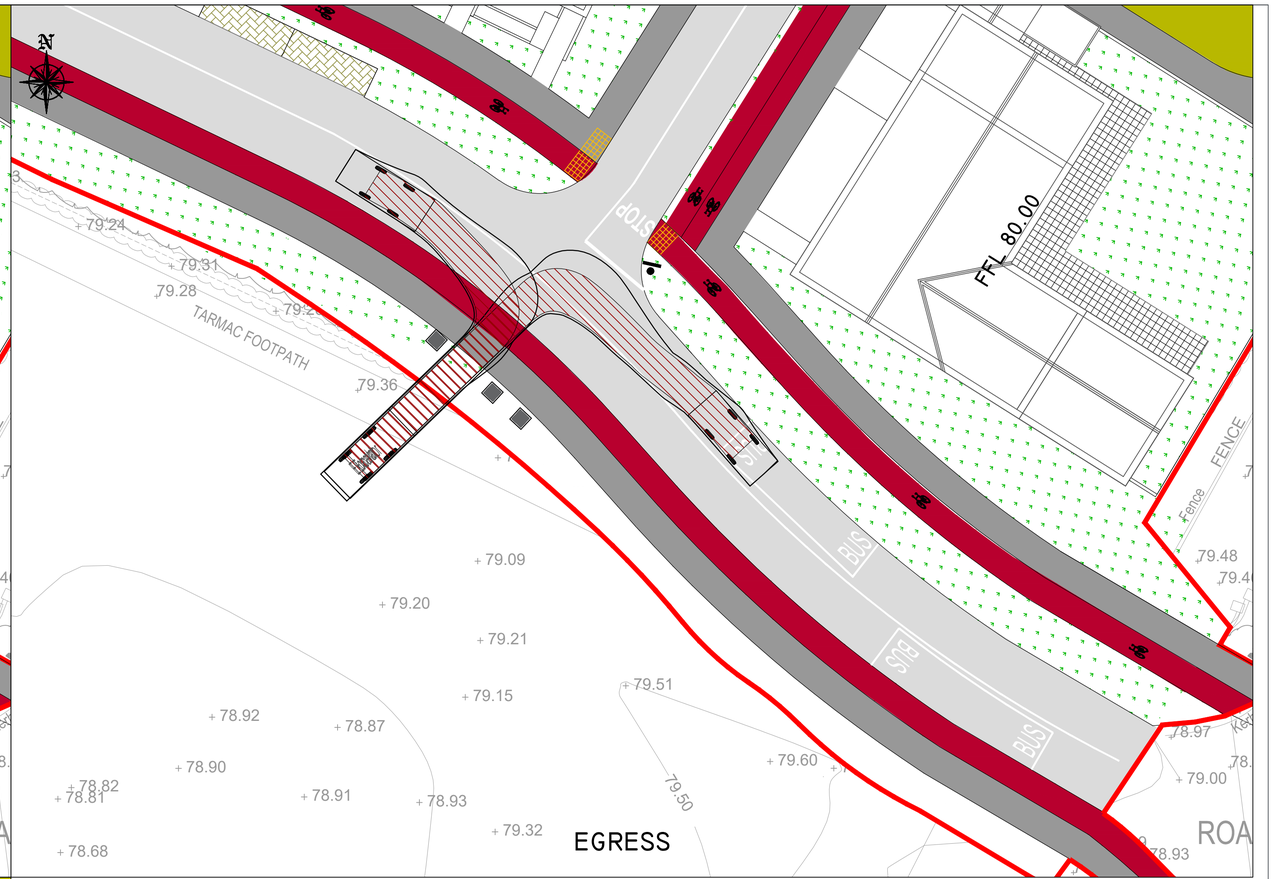
GROSVENOR COURT,
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DUN LAOGHAIRE,
COUNTY DUBLIN,
IRELAND. TELEPHONE: +353 1231 1041
NORWICH | WELWYN GARDEN CITY | LONDON | BRISTOL

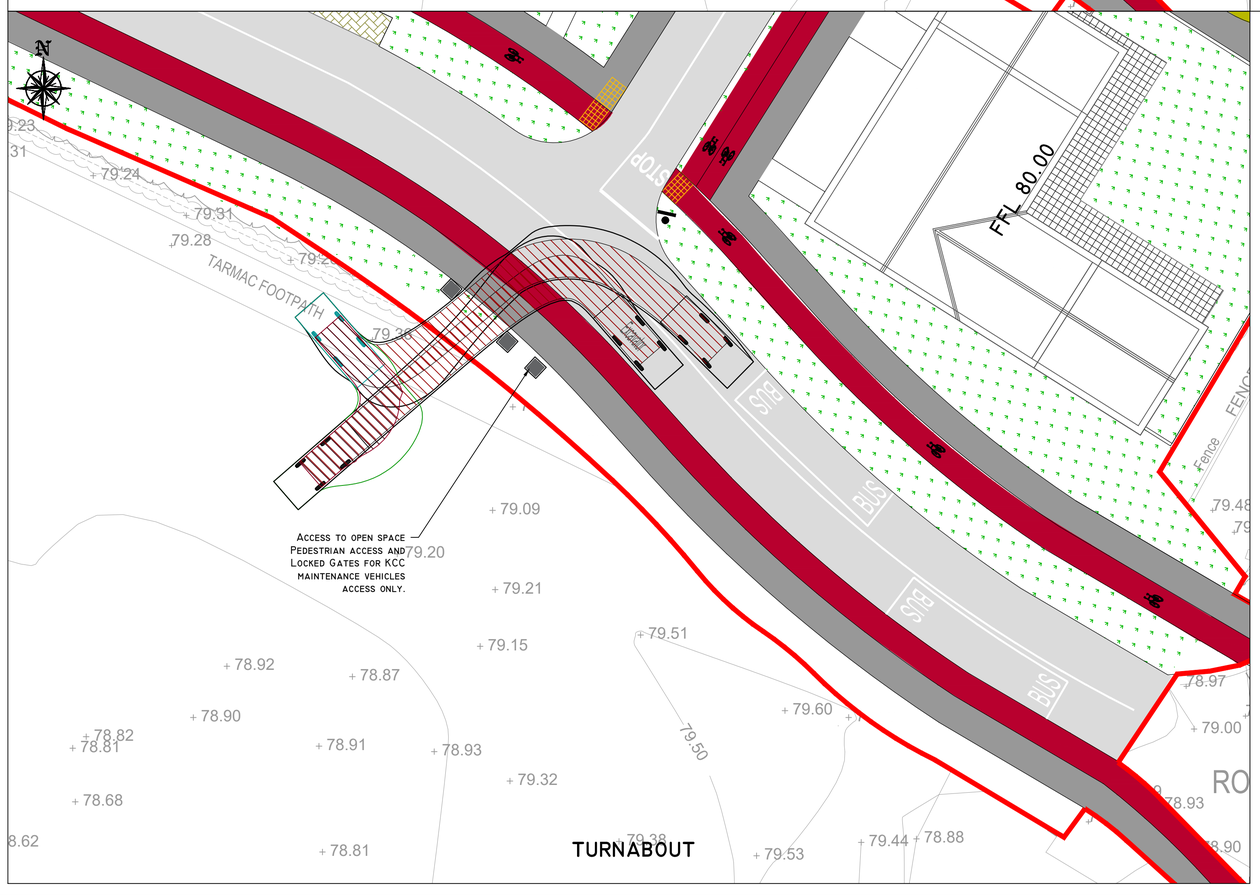
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PLANNING			
SCALE	DATE	DRAWN BY	CHECKED
1:500	FEB'19	RK	RK
DRG NO.		REVISION	SHEET SIZE
P124		5	A1

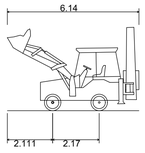
COPYRIGHT PINNACLE

REF: P180307



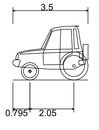






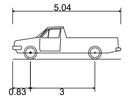
Excavator

Overall Length	6.140m
Overall Width	2.440m
Overall Body Height	3.889m
Min Body Ground Clearance	0.322m
Track Width	2.200m
Lock-to-lock time	4.00s
Curb to Curb Turning Radius	4.225m



John Deere 5103 2WD Tractor

Overall Length	3.500m
Overall Width	1.800m
Overall Body Height	2.515m
Min Body Ground Clearance	0.505m
Track Width	1.800m
Lock-to-lock time	6.00s
Curb to Curb Turning Radius	3.400m



Pickup Truck

Overall Length	5.040m
Overall Width	1.750m
Overall Body Height	1.515m
Min Body Ground Clearance	0.289m
Track Width	1.710m
Lock-to-lock time	4.00s
Curb to Curb Turning Radius	5.900m

0 50MM ON A1 DWG. 50

REV	DESCRIPTION	BY	CHK	DATE
I	MASTER LAYOUT UPDATED	AB	RK	30/10/19

CLIENT

RYCROFT HOMES LTD.

PROJECT

LANDS ADJOINING BRAYTON PARK,
Kilcock, Co. Kildare.
-

DRAWING TITLE

AUTOTRACK LAYOUT
PARK ACCESS

PINNACLE
CONSULTING ENGINEERS

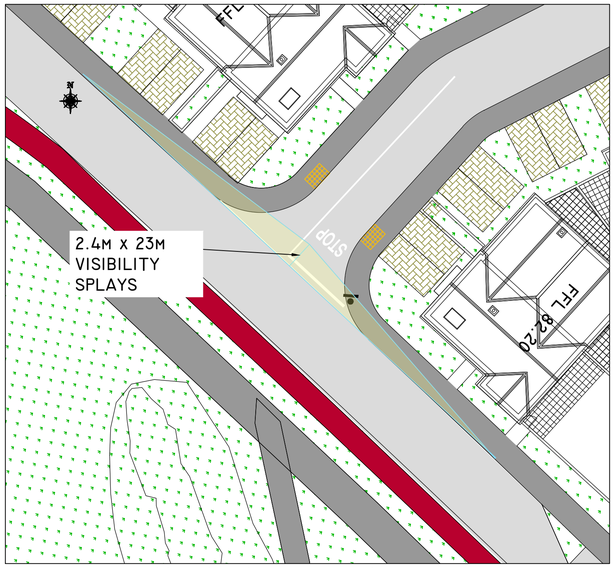
GROSVENOR COURT,
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COUNTY DUBLIN,
IRELAND. TELEPHONE: +353 1231 1041

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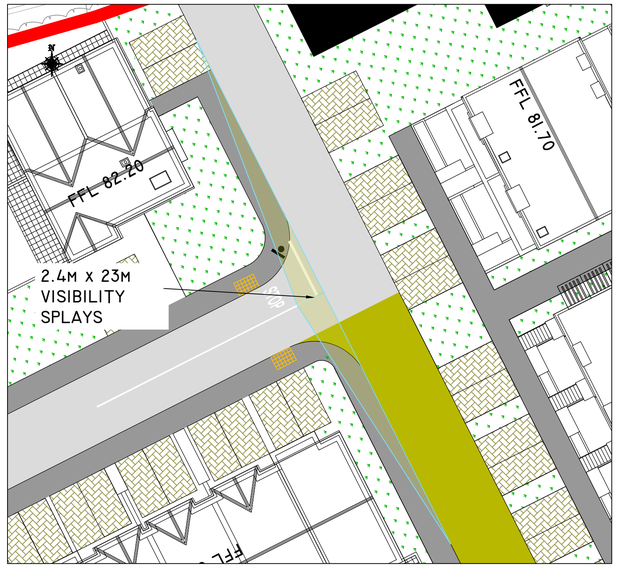
DRAWING STATUS			
PLANNING			
SCALE	DATE	DRAWN BY	CHECKED
1:250	OCT'19	RK	RK
DRG NO.		REVISION	SHEET SIZE
P125		1	A1

REF: P180307

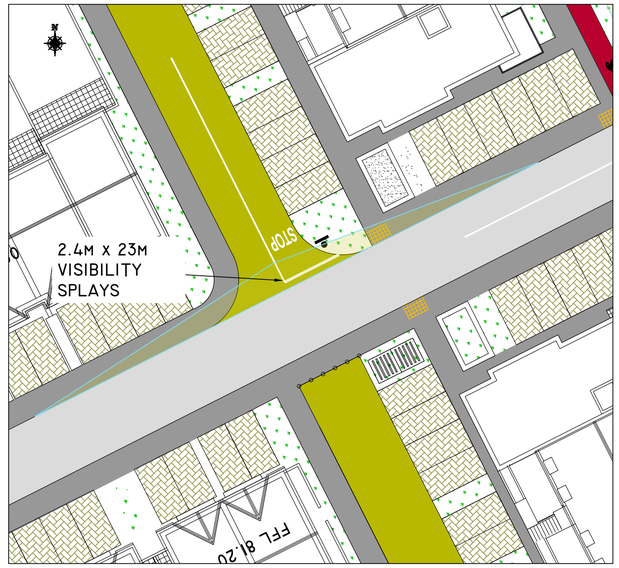
COPYRIGHT PINNACLE



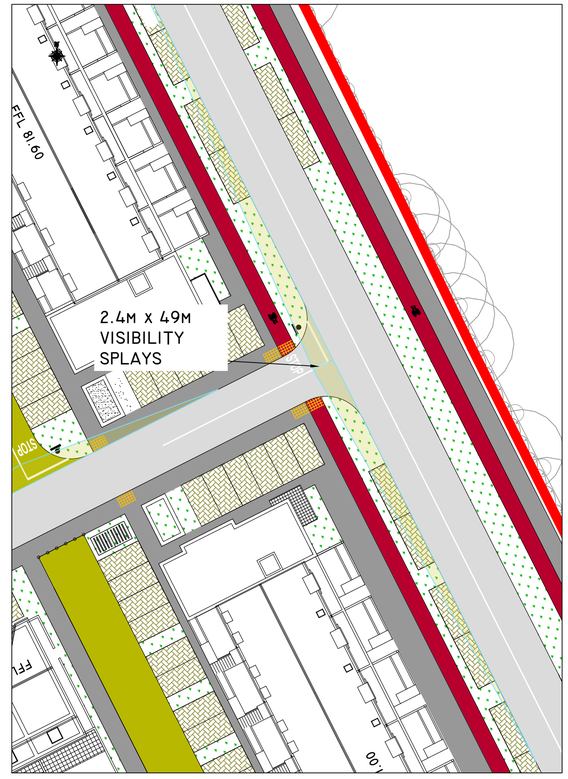
No. 1 - Internal Junction



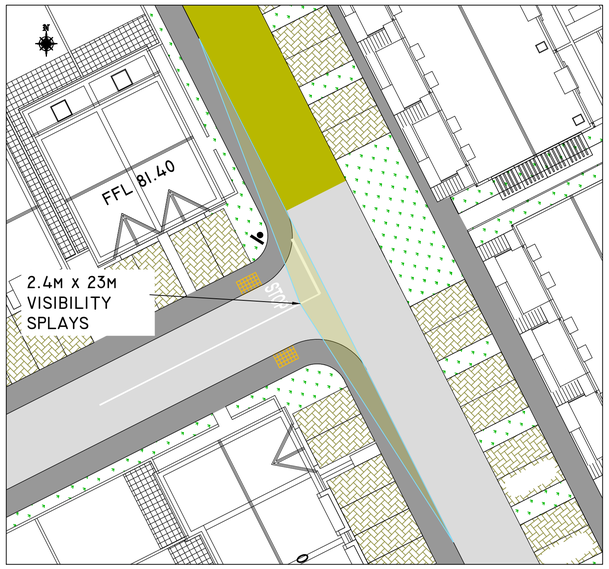
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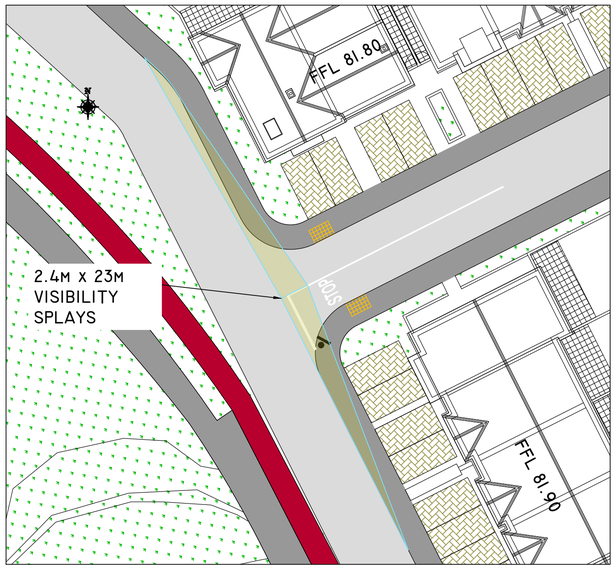
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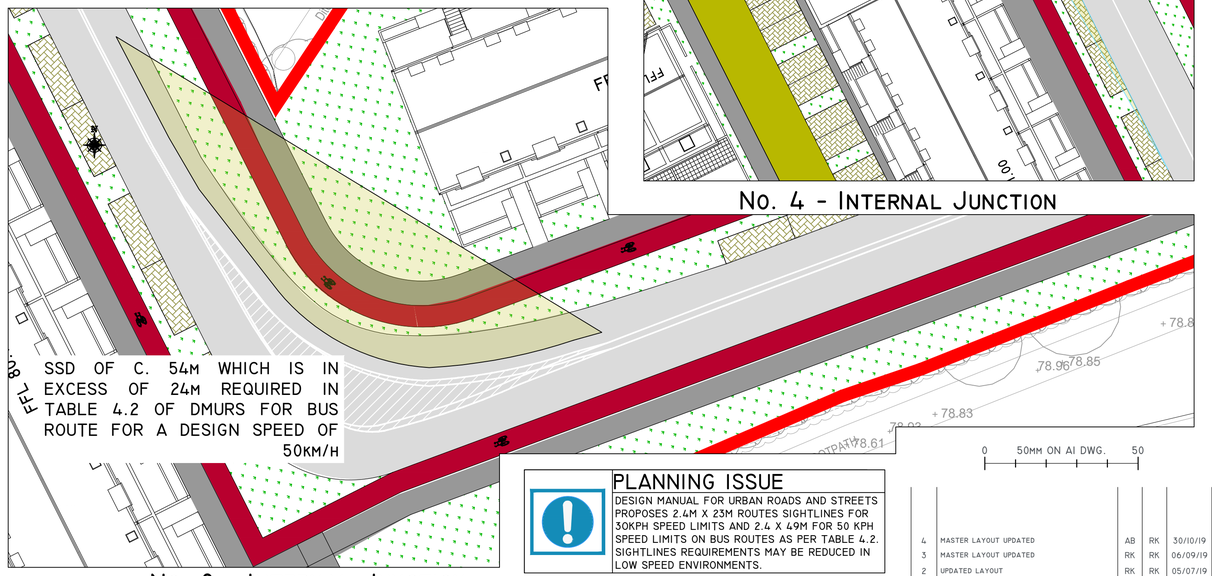
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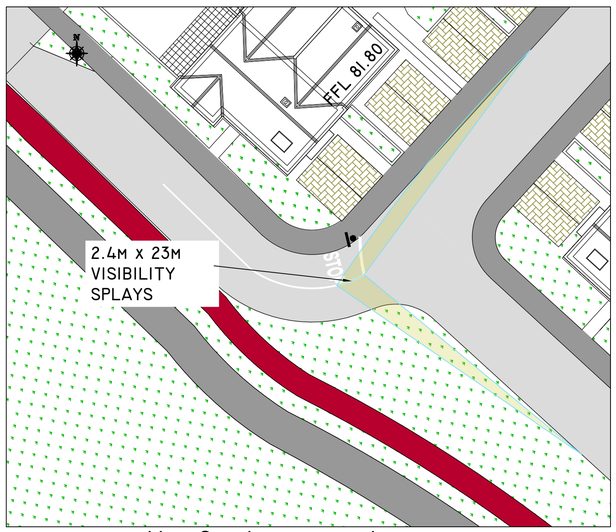
No. 5 - Internal Junction



No. 6 - Internal Junction



No. 8 - Internal Junction



No. 9 - Internal Junction



Junction Locations

PLANNING ISSUE

DESIGN MANUAL FOR URBAN ROADS AND STREETS PROPOSES 2.4M X 23M ROUTES SIGHTLINES FOR 30KPH SPEED LIMITS AND 2.4 X 49M FOR 50 KPH SPEED LIMITS ON BUS ROUTES AS PER TABLE 4.2. SIGHTLINES REQUIREMENTS MAY BE REDUCED IN LOW SPEED ENVIRONMENTS.

0 50MM ON A1 DWG. 50

REV	DESCRIPTION	BY	CHK	DATE
4	MASTER LAYOUT UPDATED	AB	RK	30/10/19
3	MASTER LAYOUT UPDATED	RK	RK	06/09/19
2	UPDATED LAYOUT	RK	RK	05/07/19
1	LAYOUT UPDATED	RK	RK	20/06/19

CLIENT

RYCROFT HOMES LTD.

PROJECT

LANDS ADJOINING BRAYTON PARK, KILCOCK, CO. KILDARE.

DRAWING TITLE

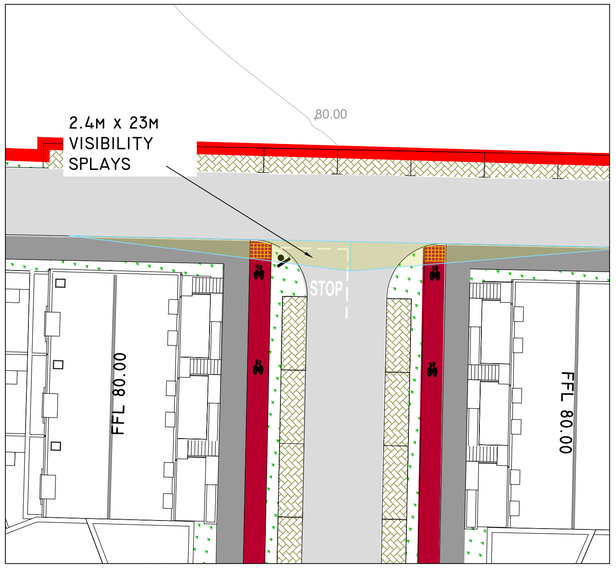
SIGHT LINES
LAYOUT SHEET 1 OF 3

PINNACLE CONSULTING ENGINEERS
GROSVENOR COURT,
67A PATRICK STREET,
DUN LAOGHAIRE,
COUNTY DUBLIN,
IRELAND. TELEPHONE: +353 1231 1041
NORWICH | WELWYN GARDEN CITY | LONDON | BRISTOL

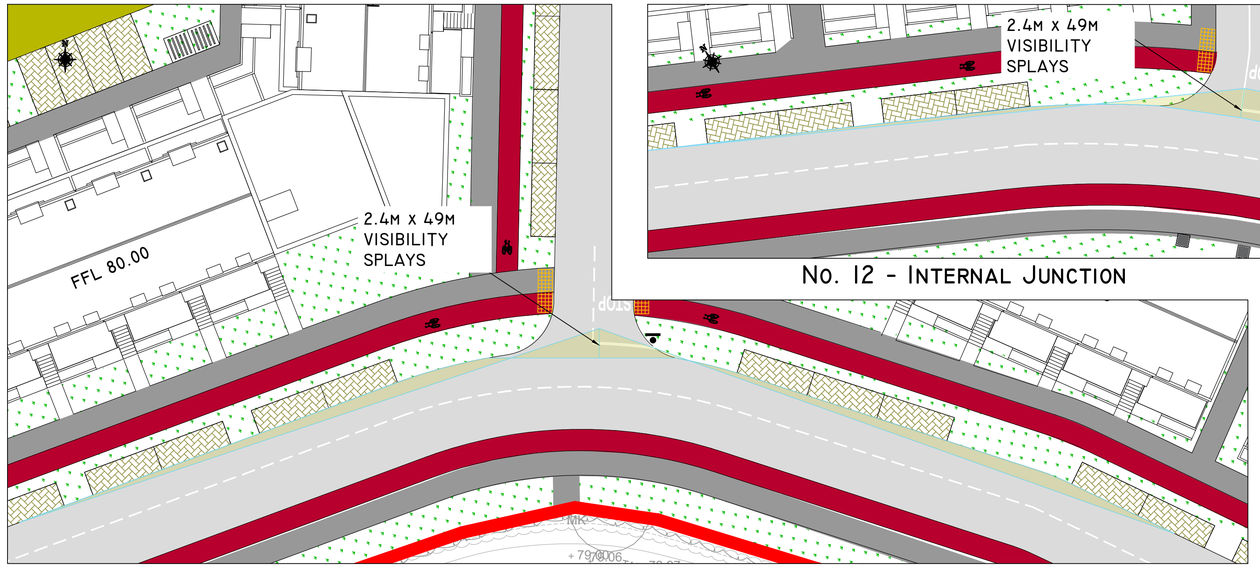
DRAWING STATUS			
PLANNING			
SCALE	DATE	DRAWN BY	CHECKED
1:250	FEB '19	RK	JM
DRG NO.		REVISION	SHEET SIZE
140		4	A1

REF: P180307

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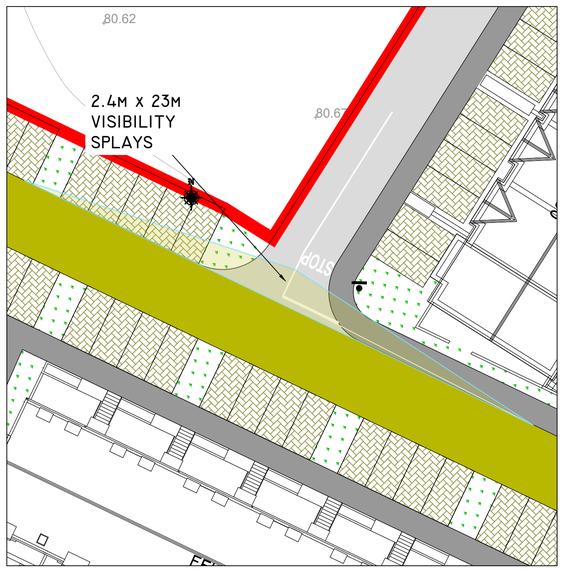


No. 10 - Internal Junction

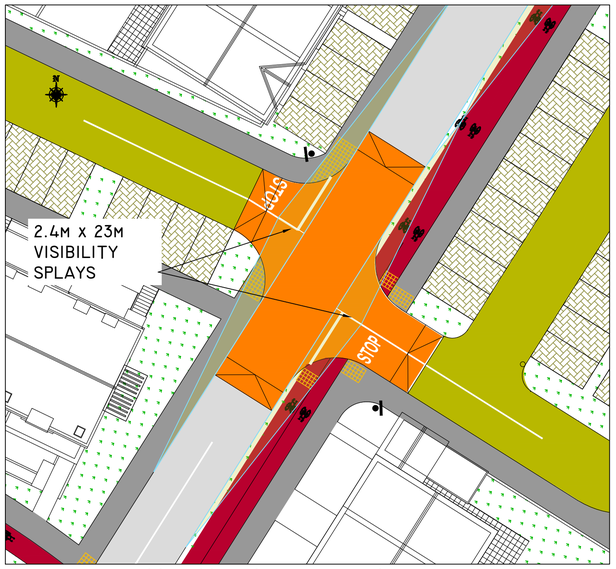


No. 11 - Internal Junction

No. 12 - Internal Junction



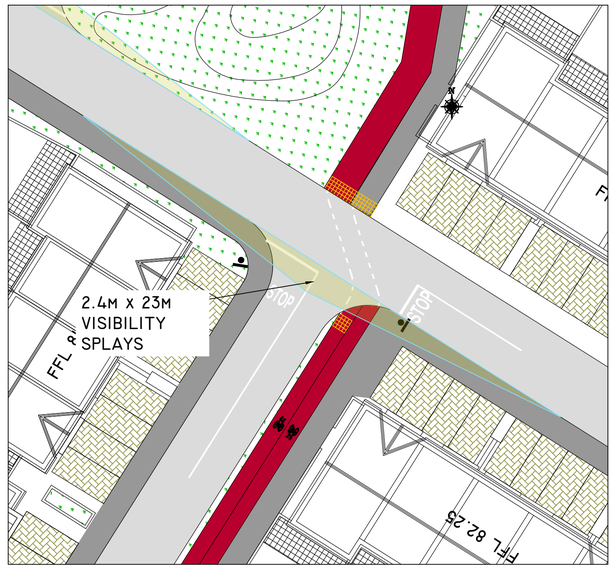
No. 13 - Internal Junction



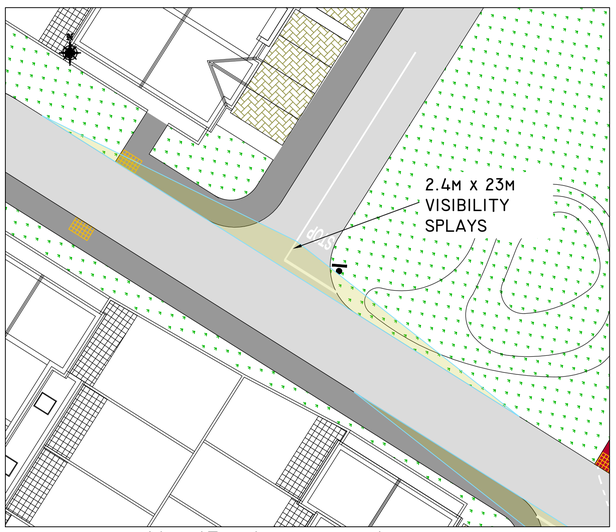
No. 14 - Internal Junction



No. 15 - Internal Junction



No. 16 - Internal Junction



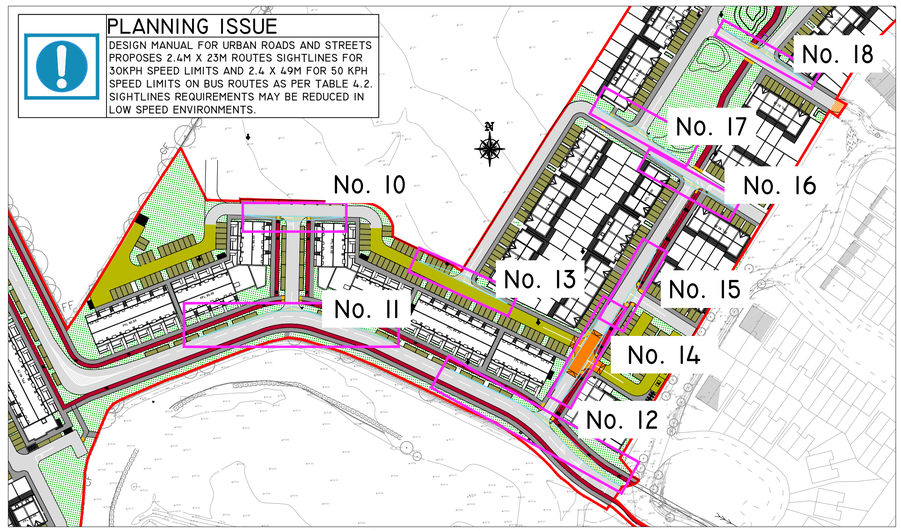
No. 17 - Internal Junction



No. 18 - Internal Junction

PLANNING ISSUE

DESIGN MANUAL FOR URBAN ROADS AND STREETS PROPOSES 2.4M X 23M ROUTES SIGHTLINES FOR 30KPH SPEED LIMITS AND 2.4 X 49M FOR 50 KPH SPEED LIMITS ON BUS ROUTES AS PER TABLE 4.2. SIGHTLINES REQUIREMENTS MAY BE REDUCED IN LOW SPEED ENVIRONMENTS.



Junction Locations

0 50MM ON A1 DWG. 50

REV	DESCRIPTION	BY	CHK	DATE
4	MASTER LAYOUT UPDATED	AB	RK	30/10/19
3	MASTER LAYOUT UPDATED	RK	RK	06/09/19
2	UPDATED LAYOUT	RK	RK	05/07/19
1	LAYOUT UPDATED	RK	RK	20/06/19

CLIENT

Rycroft Homes Ltd.

PROJECT

Lands Adjoining Brayton Park, Kilcock, Co. Kildare.

DRAWING TITLE

Sight Lines
Layout Sheet 2 of 3

PINNACLE CONSULTING ENGINEERS

GROSVENOR COURT,
67A PATRICK STREET,
DUN LAOGHAIRE,
COUNTY DUBLIN,
IRELAND. TELEPHONE: +353 1231 1041

NORWICH | WELWYN GARDEN CITY | LONDON | BRISTOL

DRAWING STATUS			
PLANNING			
SCALE	DATE	DRAWN BY	CHECKED
1:250	07.02.19	RK	JM
DRG NO.		REVISION	SHEET SIZE
P141		4	A1

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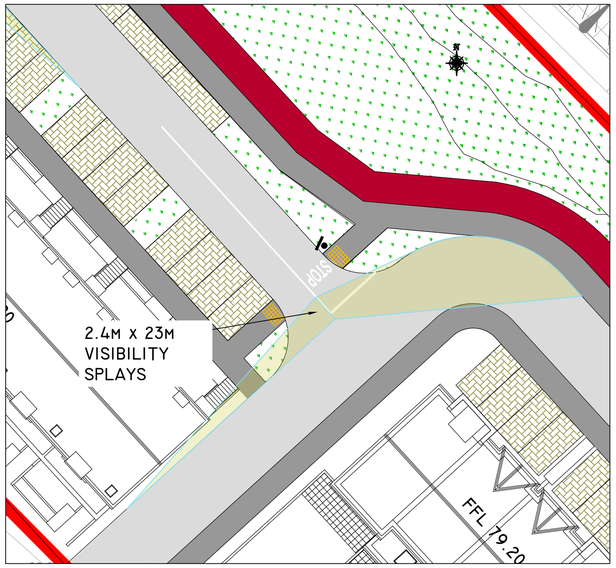
REF: P163307



No. 19 - Internal Junction



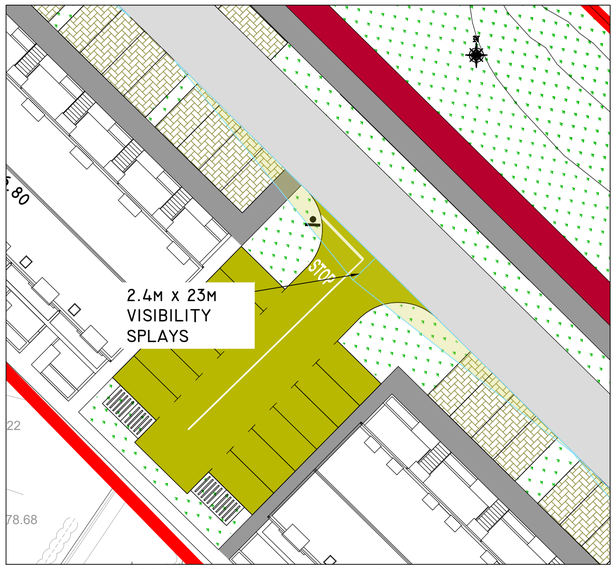
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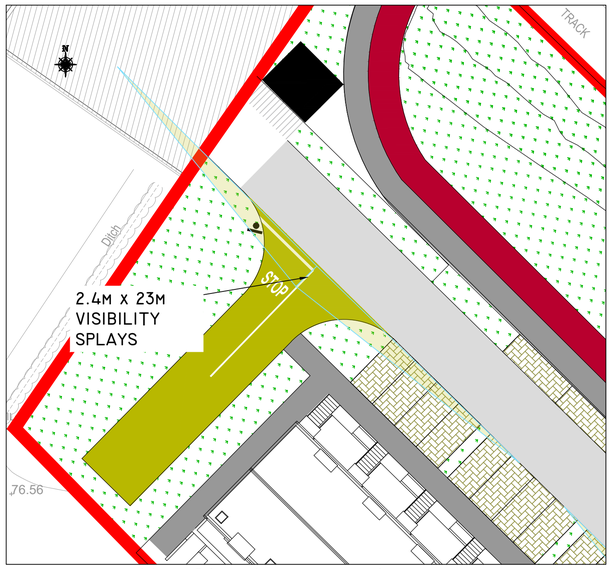
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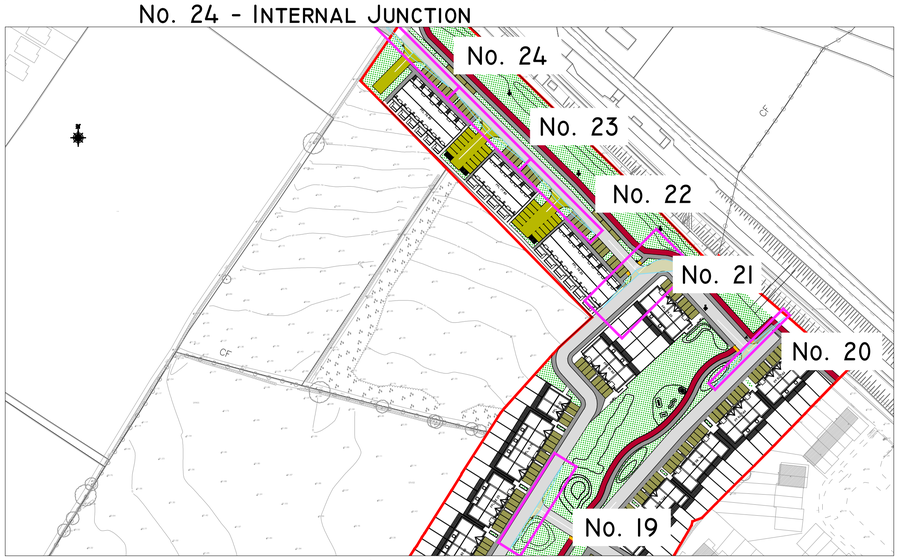
No. 22 - Internal Junction



No. 23 - Internal Junction



No. 24 - Internal Junction



Junction Locations

PLANNING ISSUE

DESIGN MANUAL FOR URBAN ROADS AND STREETS PROPOSES 2.4M X 23M ROUTES SIGHTLINES FOR 30KPH SPEED LIMITS AND 2.4 X 49M FOR 50 KPH SPEED LIMITS ON BUS ROUTES AS PER TABLE 4.2. SIGHTLINES REQUIREMENTS MAY BE REDUCED IN LOW SPEED ENVIRONMENTS.

0 50MM ON A1 DWG. 50

REV	DESCRIPTION	BY	CHK	DATE
4	MASTER LAYOUT UPDATED	AB	RK	30/10/19
3	MASTER LAYOUT UPDATED	RK	RK	06/09/19
2	UPDATED LAYOUT	RK	RK	05/07/19
1	LAYOUT UPDATED	RK	RK	20/06/19

CLIENT

Rycroft Homes Ltd.

PROJECT

Lands Adjoining Brayton Park,
Kilcock, Co. Kildare.

DRAWING TITLE

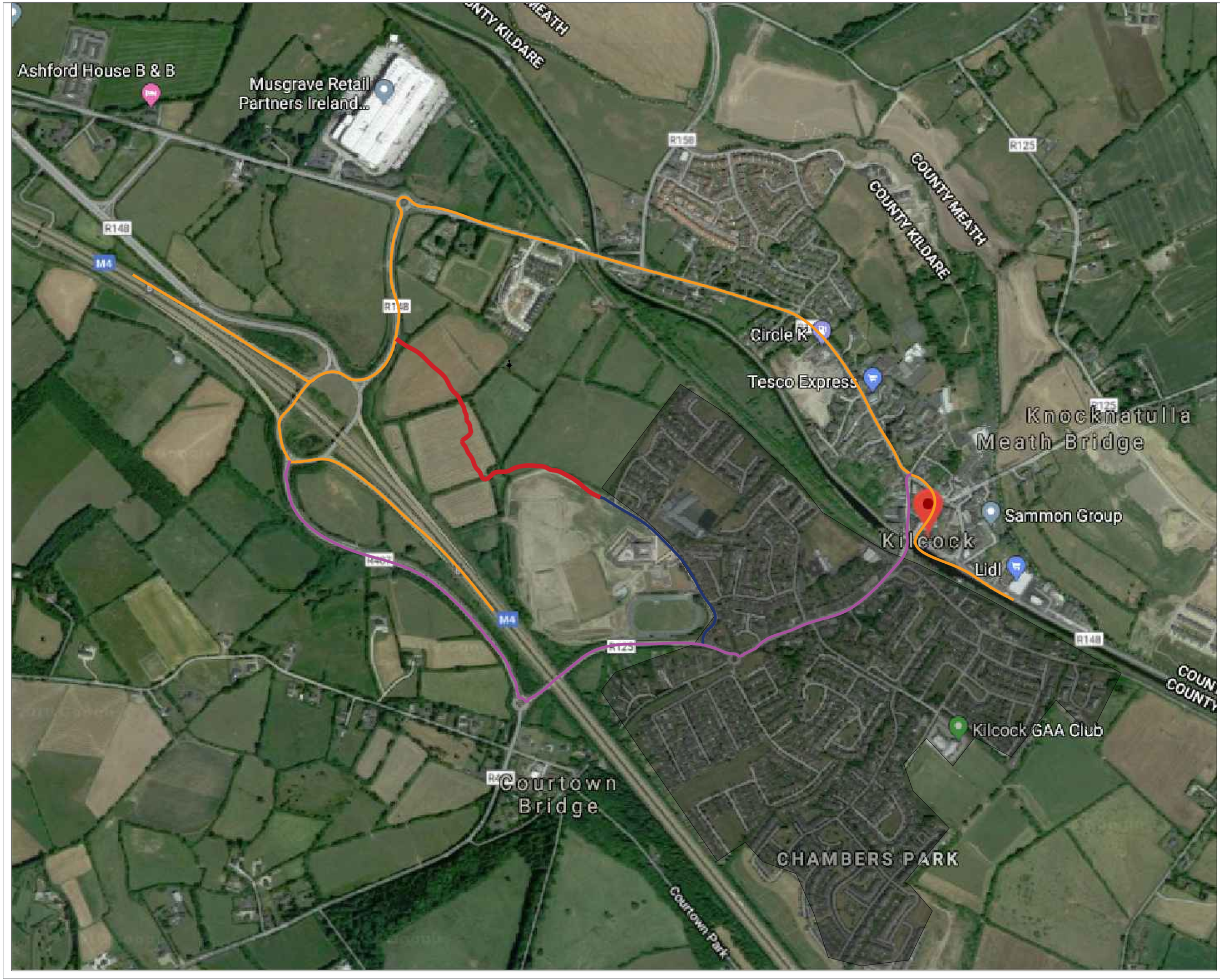
Sight Lines
Layout Sheet 3 of 3

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DUN LAOGHAIRE,
COUNTY DUBLIN,
IRELAND. TELEPHONE: +353 1231 1041
NORWICH | WELWYN GARDEN CITY | LONDON | BRISTOL

DRAWING STATUS			
PLANNING			
SCALE	DATE	DRAWN BY	CHECKED
1:100	FEB '19	RK	JM
DRG NO.		REVISION	SHEET SIZE
P142		4	A1

REF: P180307

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LEGEND

HVG ROUTES – ORDER OF PREFERENCE

ROUTE No.1

ROUTE No. 2

NON-HGV ROUTE

MTO25

OTHER INFORMATION

BUILT UP AREA

0 50mm ON A1 DWG. 50

REV	DESCRIPTION	BY	CHK	DATE

CLIENT

RYCROFT HOMES LTD.

PROJECT

LANDS ADJOINING BRAYTON PARK,
Kilcock, Co. Kildare.
-

DRAWING TITLE

HGV ROUTE
-
-

PINNACLE
CONSULTING ENGINEERS

GROSVENOR COURT,
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DUN LAOGHAIRE,
COUNTY DUBLIN,
IRELAND. TELEPHONE: +353 1231 1041

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DRAWING STATUS			
PLANNING			
SCALE	DATE	DRAWN BY	CHECKED
NTS	Nov '18	RK	RK
DRG NO.		REVISION	SHEET SIZE
P150		-	A1

REF: P180307

COPYRIGHT PINNACLE

STAGE 1 ROAD SAFETY AUDIT FEEDBACK

3.1 - VERTICAL BUILD OUTS WILL BE PROVIDED ON LINK STREETS. REFER TO PINNACLE DRAWING NO. FOR DETAILS OF VERTICAL BUILD OUTS. RAMPS/TABLE TOPS REMOVED FROM ARTERIAL ROAD AT THE REQUEST OF KILDARE COUNTY COUNCIL.

3.2 - NOTED.
3.3 - NOTED.
3.4 - NOTED.
3.5 - NOTED.
3.6 - NOTED.
3.7 - NOTED.
3.8 - NOTED.
3.9 - NOTED.
3.10 - NOTED.
3.11 - NOTED.
3.12 - NOTED.
3.13 - NOTED.

LEGEND:

- ROAD SURFACE
- CYCLE TRACK
- FOOTWAY
- LANDSCAPED AREA/VERGE
- HOME ZONE
- PERMEABLE PAVING

RAILWAY LINE
3.8 -CROSSING POINTS INCLUDED
3.11 - SIGN POST REPOSITIONED
SCHOOL SITE
3.8 -CROSSING POINTS INCLUDED
3.7 - CYCLE TRACK
3.1 - SPEED TABLE REMOVED AS REQUESTED BY KILDARE COUNTY COUNCI
3.6 C - JUNCTION REMOVED
3.5 - SIGN POST RELOCATED
3.6D - BOLLARDS INSTALLED
3.8 - CROSSING PROVIDED
3.2 - DROPPED KREBS, ROAD MARKINGS & SIGNAGE TO BE PROVIDED FOR PEDESTRIANS/CYCLIST ALONG DESIRE LINES.
3.6B - ACCESS REQUIRED TO HOUSE
3.1 - SPEED TABLE REMOVED AS REQUESTED BY KILDARE COUNTY COUNCI
3.13 - BUS STOP REMOVED
3.12 - FOOTPATH PROVIDED
3.2 - DROPPED KREBS, ROAD MARKINGS & SIGNAGE TO BE PROVIDED FOR PEDESTRIANS/CYCLIST ALONG DESIRE LINES.
3.1 - SPEED TABLE REMOVED AS REQUESTED BY KILDARE COUNTY COUNCI
3.3 - CROSSING POINTS PROVIDED TO BAWNOGUES PARK
3.2 - JUNCTION REMOVED.
3.6A - JUNCTION REMOVED
BRAYTON PARK
BAWNOGUES PARK
COMMONS WEST
5.79
75.42

0 50MM ON A1 DWG. 50

REV	DESCRIPTION	BY	CHK	DATE
2	MASTER LAYOUT UPDATED	AB	RK	30/10/19
1	MASTER LAYOUT UPDATED	RK	RK	06/09/19

CLIENT

RYCROFT HOMES LTD.

PROJECT

LANDS ADJOINING BRAYTON PARK, KILCOCK, CO. KILDARE.
-

DRAWING TITLE

ROAD SAFETY AUDIT FEEDBACK
General Arrangement
-

PINNACLE CONSULTING ENGINEERS
GROSVENOR COURT,
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DUN LAOGHAIRE,
COUNTY DUBLIN,
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NORWICH | WELWYN GARDEN CITY | LONDON | BRISTOL

DRAWING STATUS			
PLANNING			
SCALE	DATE	DRAWN BY	CHECKED
1:1000	07/02/19	RK	RK
DRG NO.		REVISION	SHEET SIZE
P160		2	A1

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REF: P180307