



**SHAPING DAINGEAN FOR THE FUTURE**

# SCOPE

**Engage** with the community

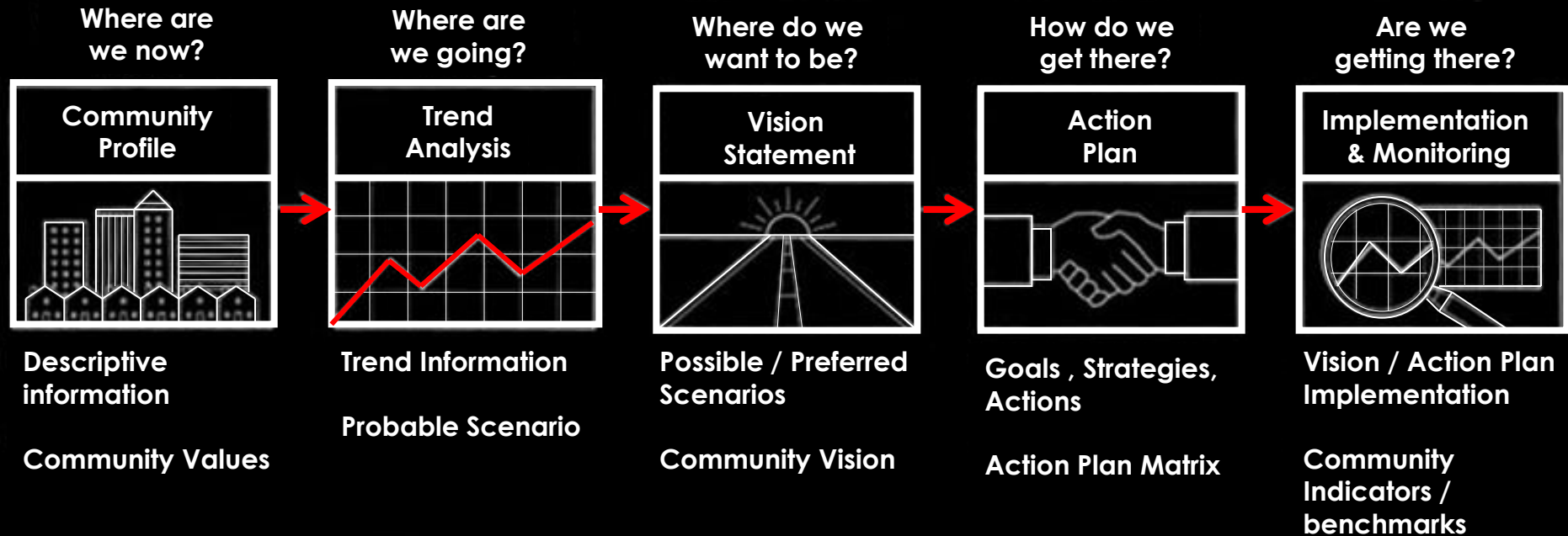
**Analyse** of street elevations

**Document** building use

**Identify** an opportunity to adapt vacant building.

**SHAPING DAINGEAN FOR THE FUTURE**

# VISIONING PROCESS



# **HISTORIC** **TIMELINE**

**2000 BC** early settlement

**200 AD** Foundation of Ui Failghe territory

**1000 AD** Dináin centre of power of Ui Failghe territory

**1177 AD** Norman Invasions

**1400 AD** Calvach O'Connor regains seat of power

**1537 AD** O'Connor's loose Daingean

**1557 AD** Daingean renamed Philipstown

**1797 AD** Grand Canal connected

**1852 AD** Old jail converted to convict depot

**1870 AD** Convict deport converted to reformatory

**1883 AD** Tullamore replaces Philipstown as county capital

**1922 AD** Renamed DAINGEAN by Free State

**2000 AD** opportunity for **CHANGE**







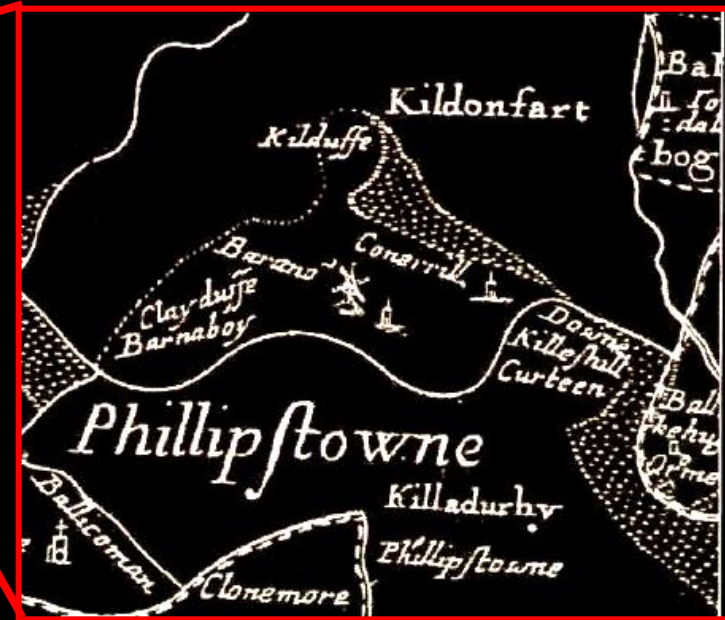
# HISTORIC TIMELINE

**1563** Dinain as the centre of the Ui Failghe Territory



# HISTORIC TIMELINE

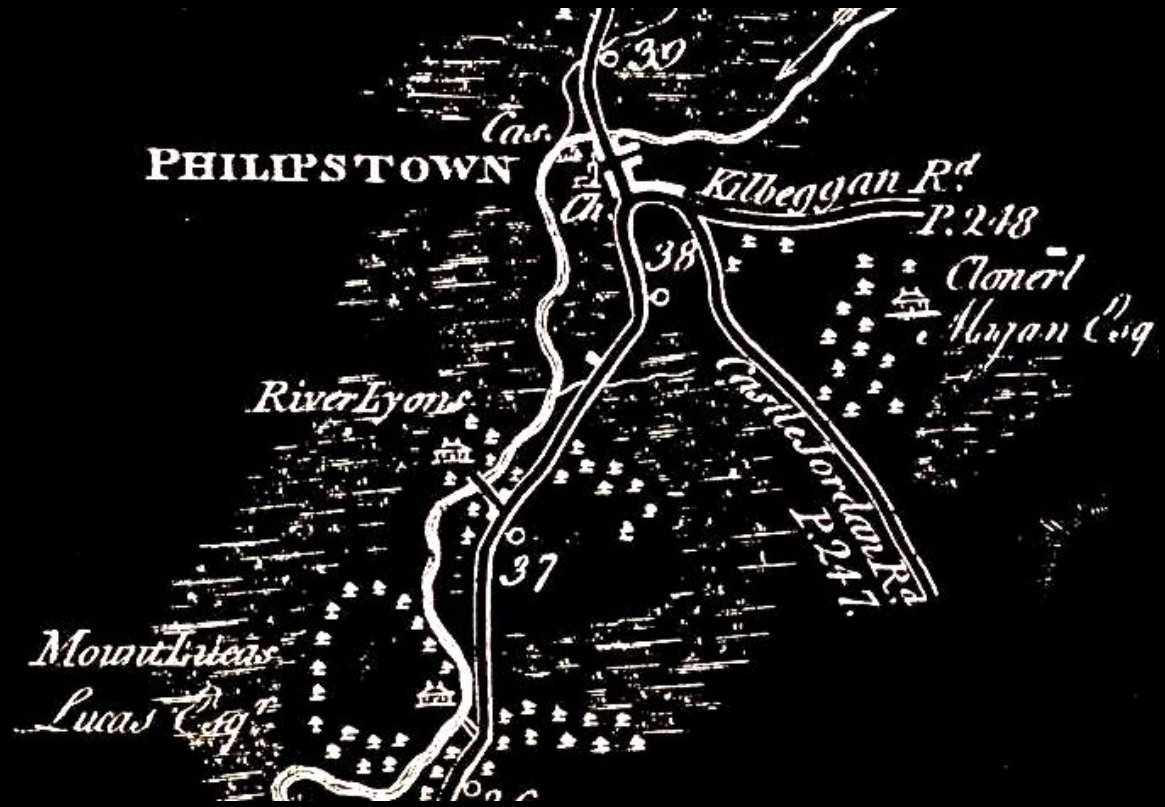
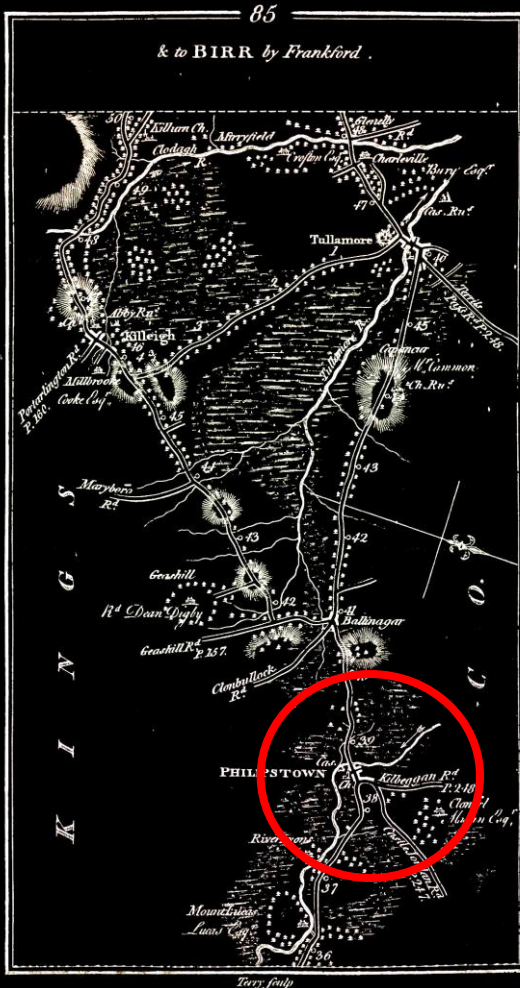
## 1685 William Petty map





# HISTORIC TIMELINE

## 1777 AD Taylor & Skinner Map ( Pre Canal)





# HISTORIC TIMELINE

## 1809 AD William Larkin Map (Post Canal)



# HISTORIC TIMELINE

**1838 AD** First OS Map



# HISTORIC TIMELINE

**1881 AD** Grand Canal connected





# HISTORIC PHOTOS



Court House Philipstown.

# HISTORIC PHOTOS





# HISTORIC PHOTOS





# HISTORIC PHOTOS



# HISTORIC PHOTOS





# HISTORIC PHOTOS



St. Michael's Park, Phillipstown.



# HISTORIC **TIMELINE**

**CHANGE** HAS BEEN  
THE ONLY CONSTANT

**CENTRALITY** HAS  
BEEN THE THEME



In **2020** . . . . . (according to the MRPGs)

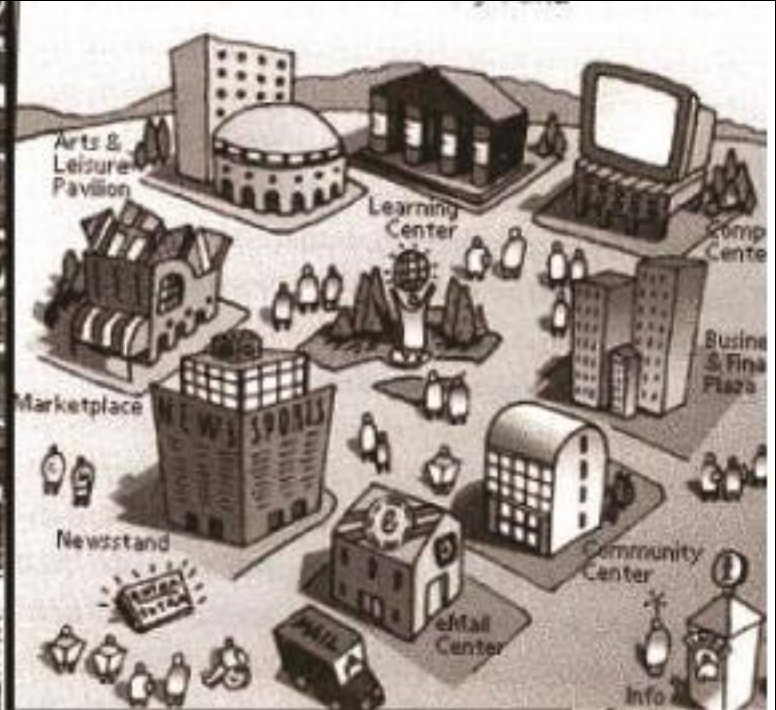
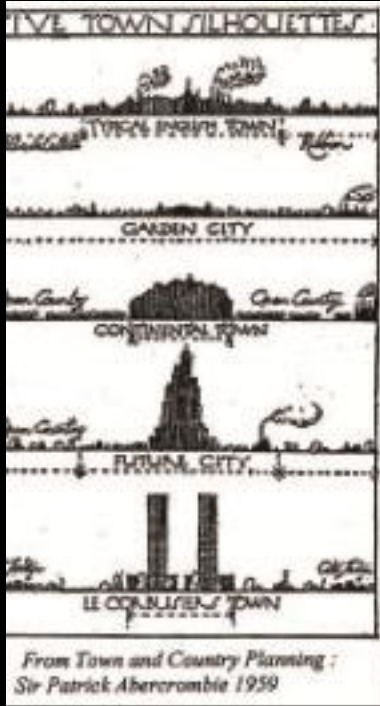
- Midlands needs an urban population of 100,000
- Daingean needs a urban population of 2,000
- Daingean current population is 1,000
- Massive Rapid Growth!!!
- Approx 100 people per year!!
- 30 – 40 houses per year?? (NEW / UPGRADE)
  
- TO SUCCEED REQUIRES **RAPID CHANGE**

- We need to provide adequate services
- We need to increase job density
- We need to increase population density
- We need to improve our public transport
- We need improved social infrastructure
- We need to develop our Community Assets
- We need to develop our Tourism program
- We need to become a more attractive place to live
- Etc etc
- **NEED TO PLAN AHEAD**





# What will it look like?



You choose!

# CONSIDERED VALUES

- BUSY
- UNIQUE
- EQUALITY
- VIBRANT
- ARTY
- SENSIBLE
- POSITIVE
- HERITAGE
- ENVIRONMENTAL
- CULTURAL
- VIABLE
- SUSTAINABLE
- EDUCATION
- CARING
- SENSE OF COMMUNITY



# GROUP STUDY

- CIRCULATION
- BUSINESS & INDUSTRY
- RESIDENTIAL
- EDUCATION
- SOCIAL AND HEALTH
- LEISURE TOURISM & CULTURE



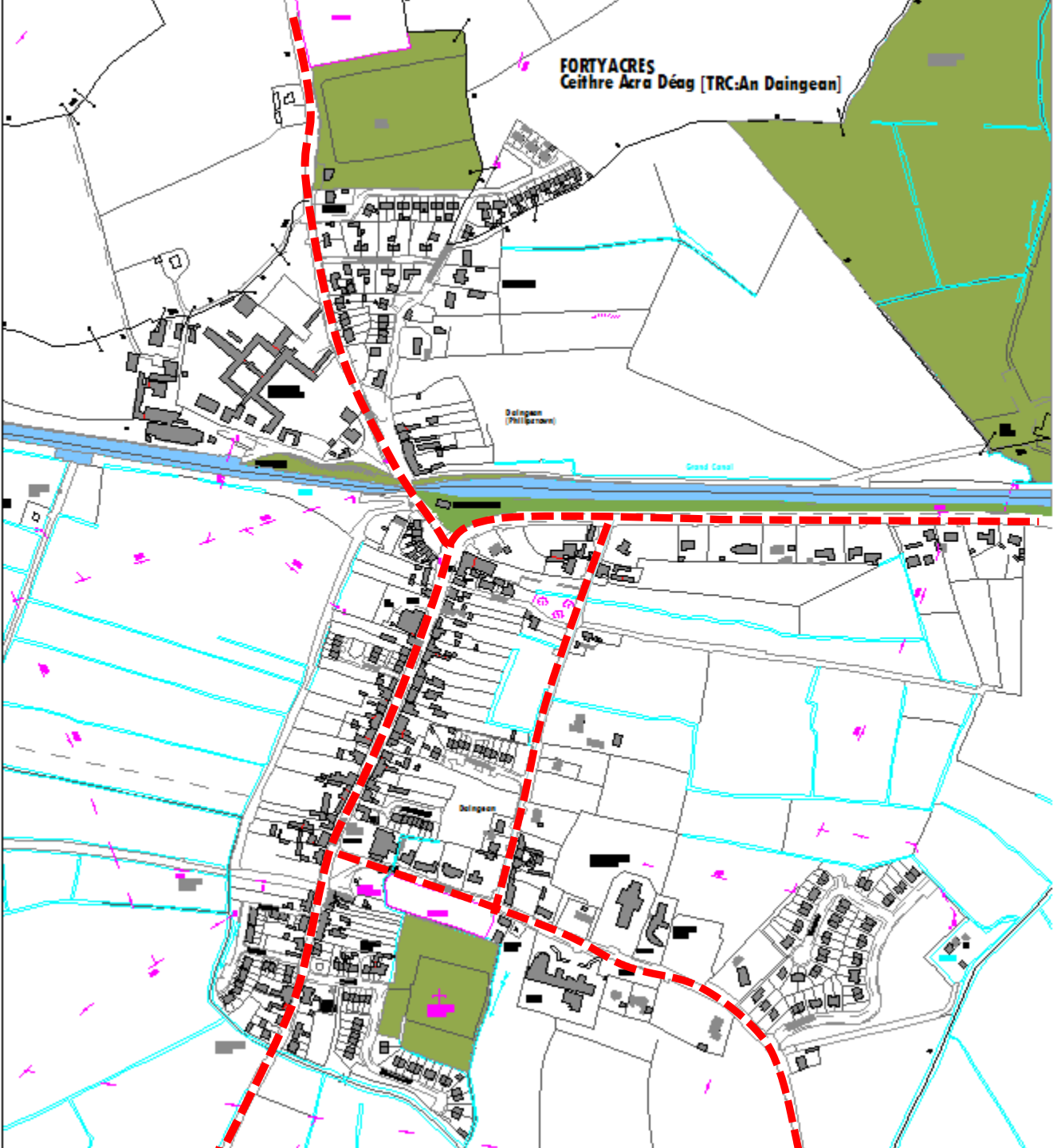
# CIRCULATION

- MAIN ARTERIES
- PUBLIC REALM
- GREENWAY
- INNER URBAN ROUTES
- ONE WAY ROUTES
- BUS ROUTES
- PEDESTRIAN STREETS / QUARTERS
- CYCLE ROUTES
- PARKING DISTRIBUTION





# CIRCULATION

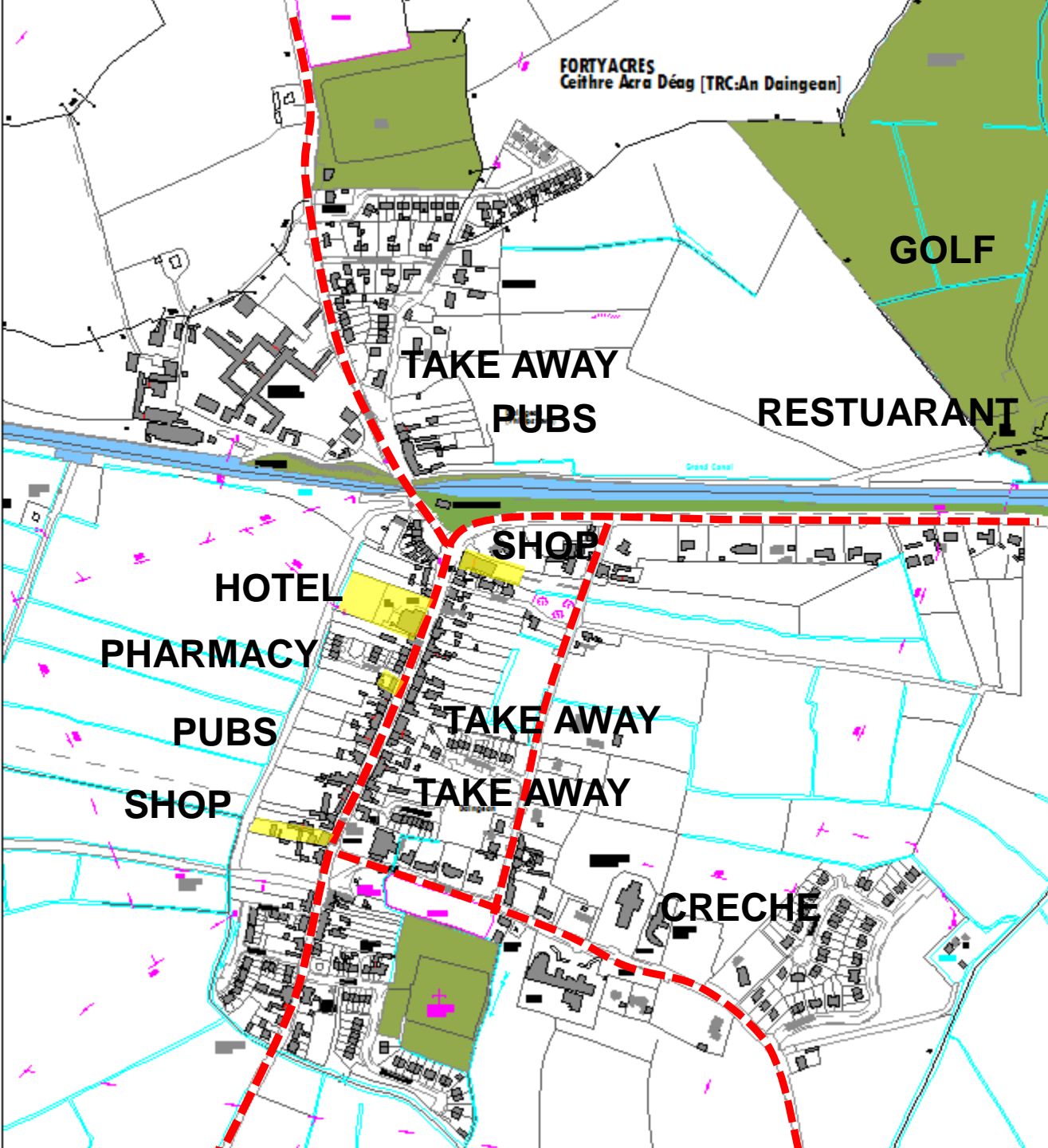


# BUSINESS & INDUSTRY

- LOCATIONS – CENTRE AND DISTRICTS
- DENSITIES
- DISTRIBUTION
- ACCESS
- SERVICES



# BUSINESS & INDUSTRY

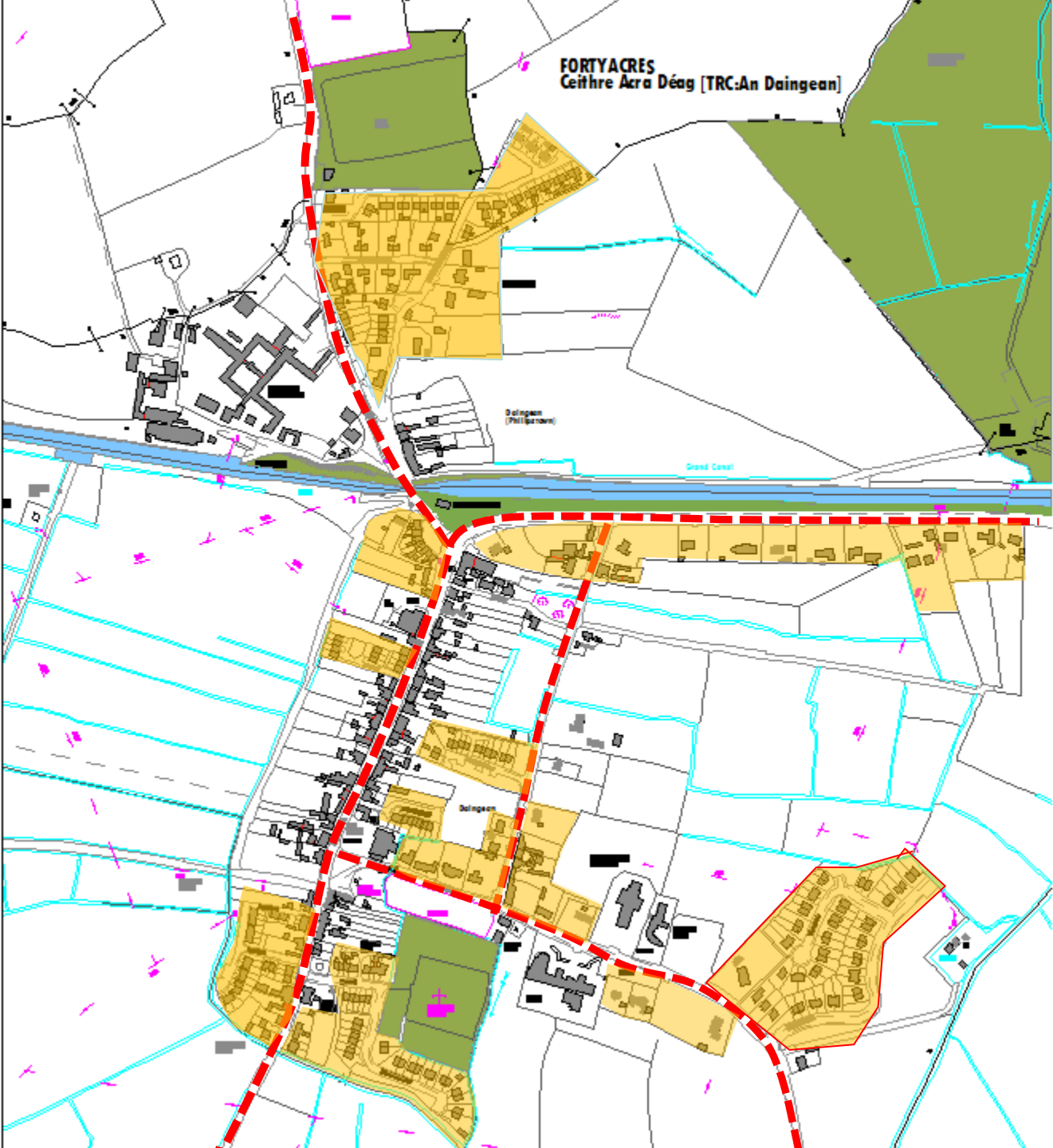


# RESIDENTIAL

- DISTRICTS
- DENSITIES
- LAYOUTS
- REQUIRED SIZES
- VARIETY
- SERVICES
- SOCIAL INFRASTRUCTURE
- ACCESSIBILITY
- ENERGY
- WASTE
- SUSTAINABILITY







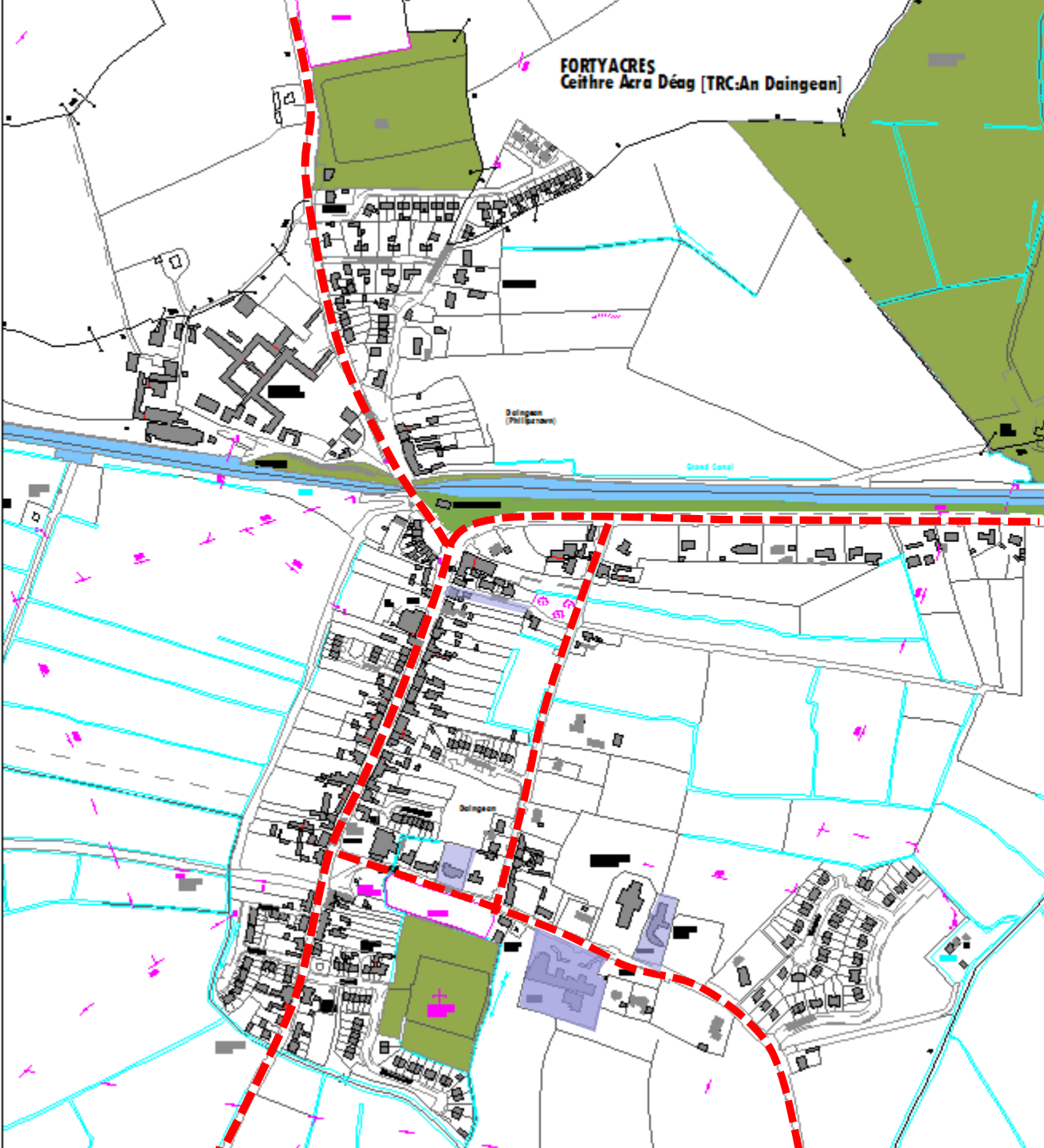
# RESIDENTIAL

# EDUCATION

- LOCATION
- ACCESSIBILITY
- CATCHMENT - SIZE
- CRECHES
- PRIMARY
- SECONDARY
- THIRD LEVEL
- ADULT EDUCATION
- ADAPTIVE MULTI USE
- SUSTAINABILITY



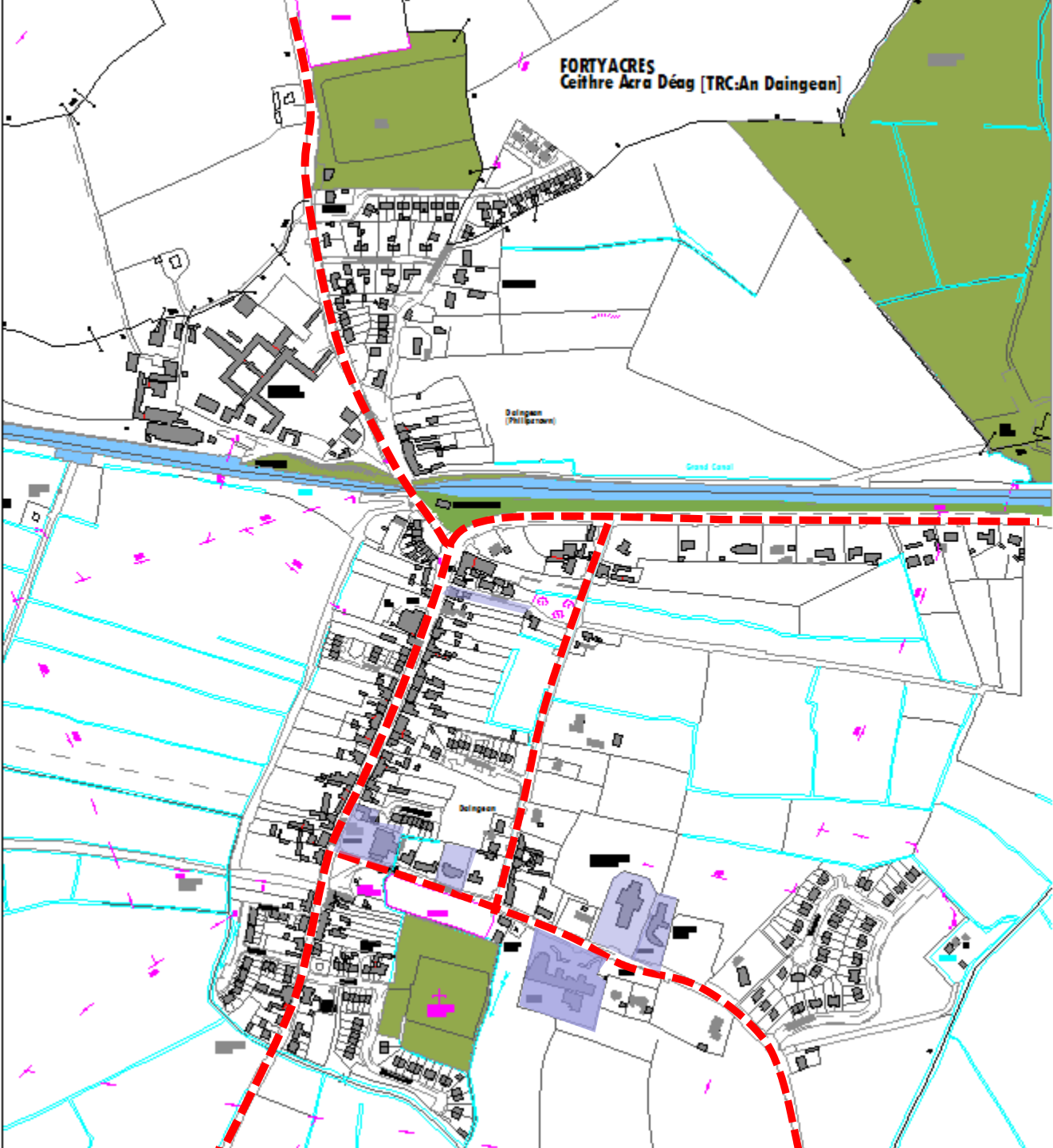
# EDUCATION





# SOCIAL & HEALTH

- HOSPITALS
- MEDICAL CENTRES
- NURSING HOMES
- RETIREMENT COMMUNITIES
- COMMUNITY CENTRE
- SOCIAL HOUSING
- PUBLIC OPEN SPACE
- ACCESSIBILITY
- PEDESTRIANISATION
- SUSTAINABILITY
- ENERGY USE



# SOCIAL & HEALTH



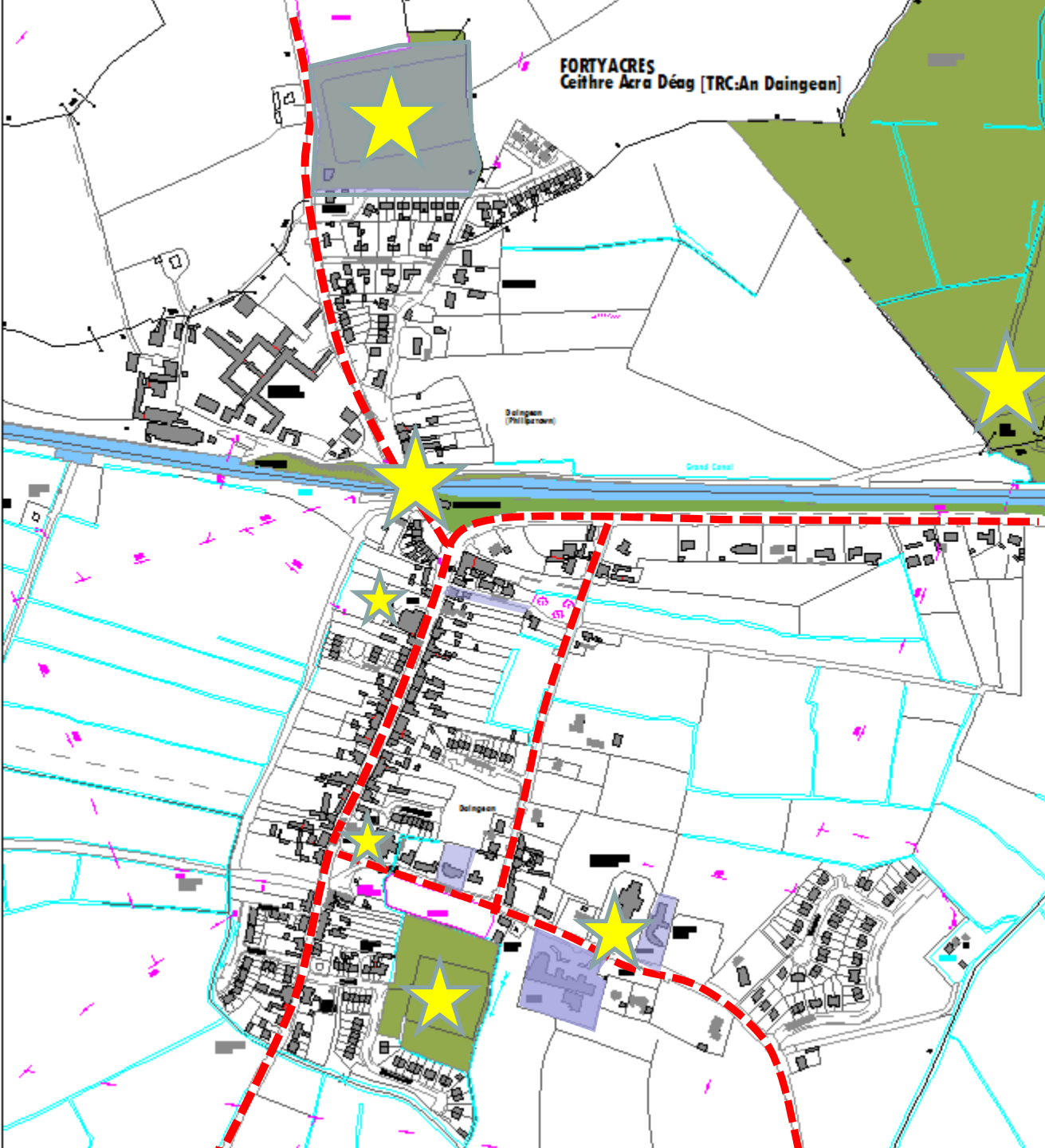
# LEISURE, TOURISM & CULTURE

- SPORTS GROUNDS
- LEISURE CENTRES
- SWIMMING POOL
- ARTS CENTRE
- COMMUNITY CENTRE
- CULTURAL CENTRE – (HERITAGE CENTRE ETC)
- PUBLIC GALLERY
- HOTELS
- LIBRARY
- PARKS, RIVERS & WATERWAYS

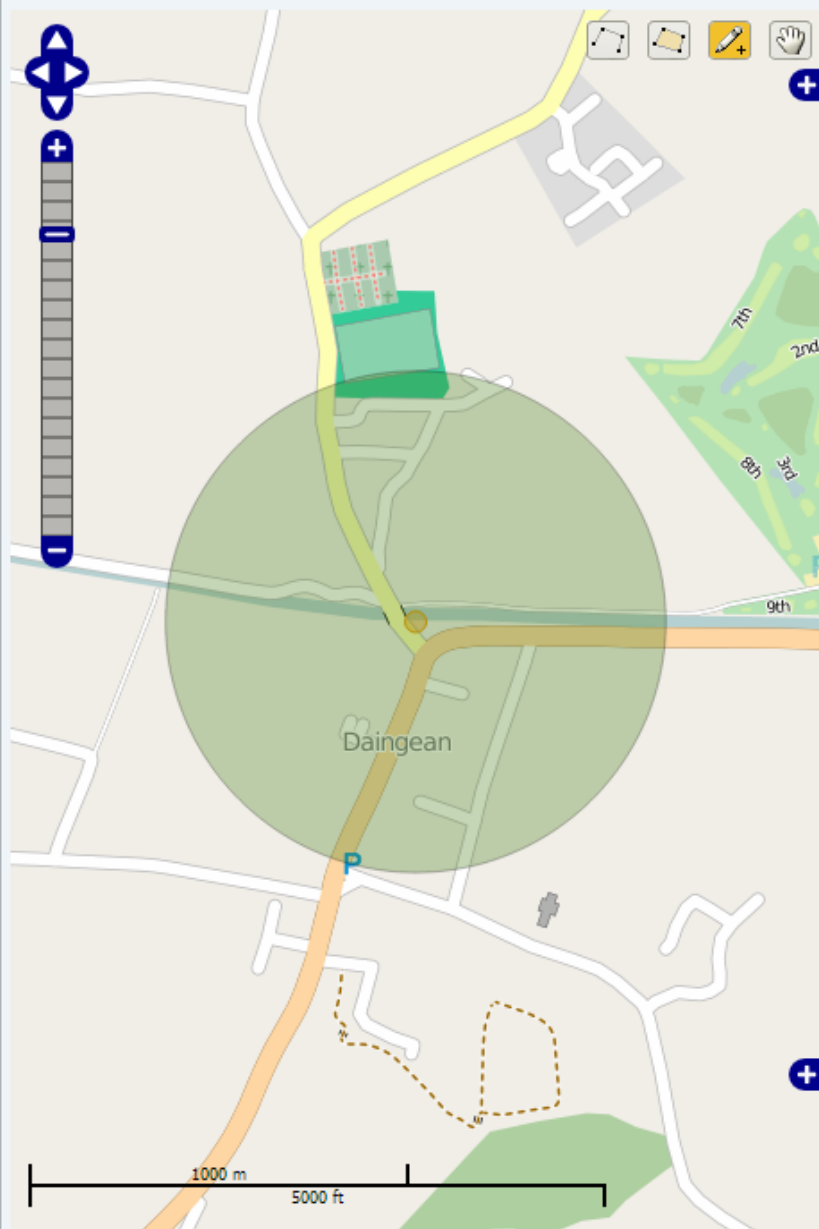




# LEISURE, TOURISM & CULTURE



## Interactive Map



## Data Selection

### Output Results for Daingean

[Download Excel File](#)

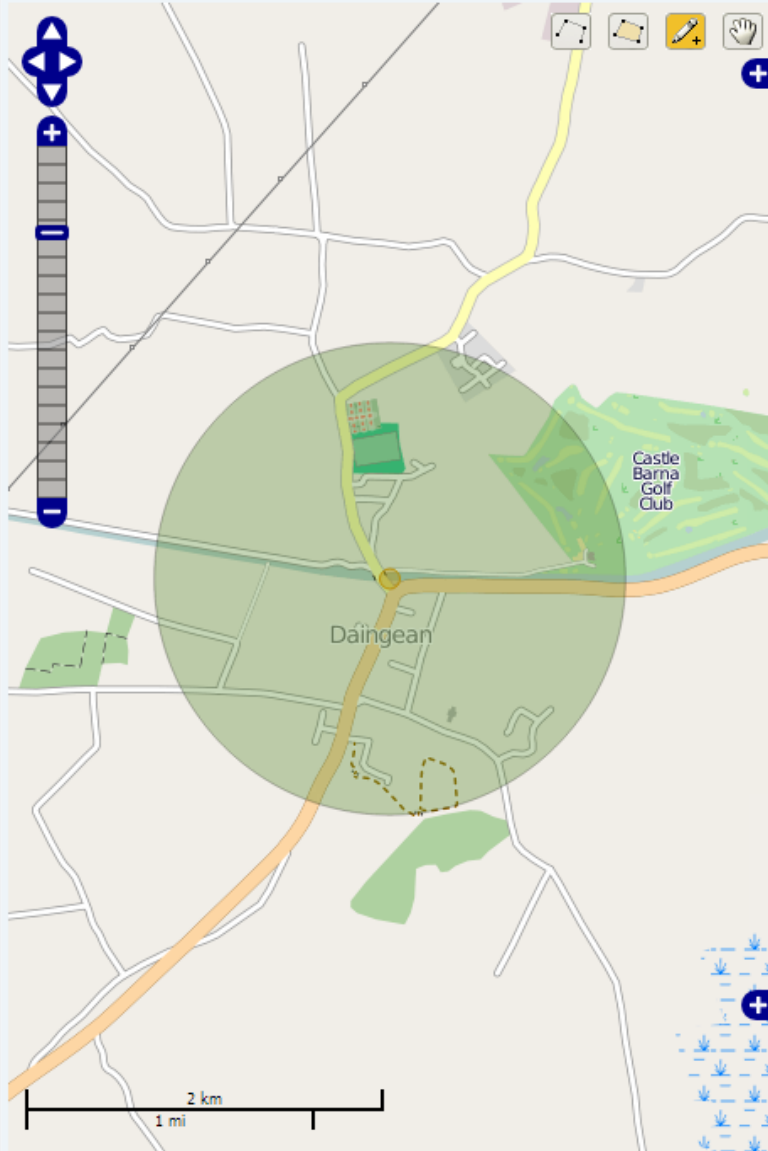
#### Population

Population Statistics	Daingean
Total Population	461
Male Population	235
Male Population %	50.98
Female Population	226
Female Population %	49.02
Age Band 0 - 14	116
Age Band 0 - 14 %	25.16
Age Band 15 - 24	73
Age Band 15 - 24 %	15.84
Age Band 25 - 44	143
Age Band 25 - 44 %	31.02
Age Band 45 - 64	87
Age Band 45 - 64 %	18.87
65 Plus	42
65 Plus %	9.11
Age Band 15 - 64	303
Total Dependency Ratio %	52.15
Young Dependency Ratio %	38.28

**461 PEOPLE**

**DAINGEAN @ 600M CATCHMENT**

## Interactive Map



## Data Selection

### Output Results for Daingean

Download Excel File

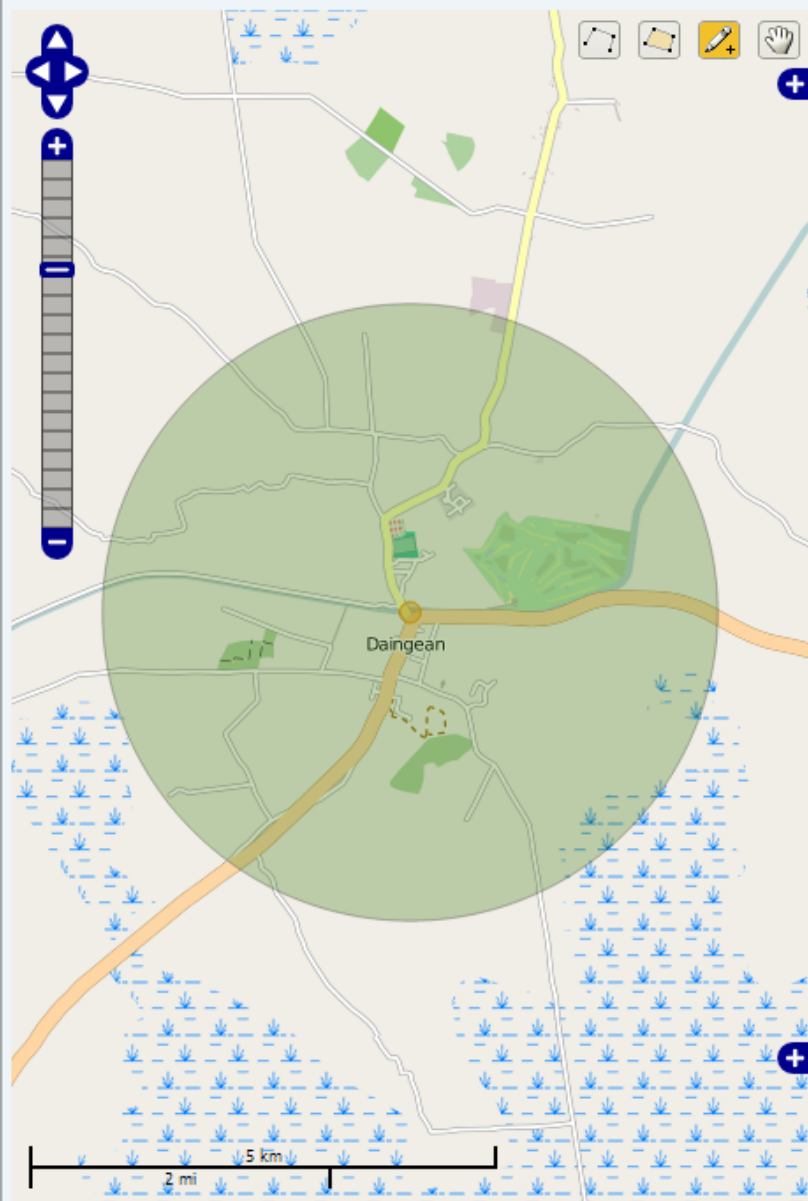
#### Population

Population Statistics	Daingean
Total Population	951
Male Population	485
Male Population %	51
Female Population	467
Female Population %	49.11
Age Band 0 - 14	240
Age Band 0 - 14 %	25.24
Age Band 15 - 24	150
Age Band 15 - 24 %	15.77
Age Band 25 - 44	294
Age Band 25 - 44 %	30.91
Age Band 45 - 64	179
Age Band 45 - 64 %	18.82
65 Plus	87
65 Plus %	9.15
Age Band 15 - 64	623
Total Dependency Ratio %	52.49
Young Dependency Ratio %	38.52

# 951 PEOPLE

## DAINGEAN @ 1KM CATCHMENT

## Interactive Map



## Output Results for Daingean

[Download Excel File](#)

### Population

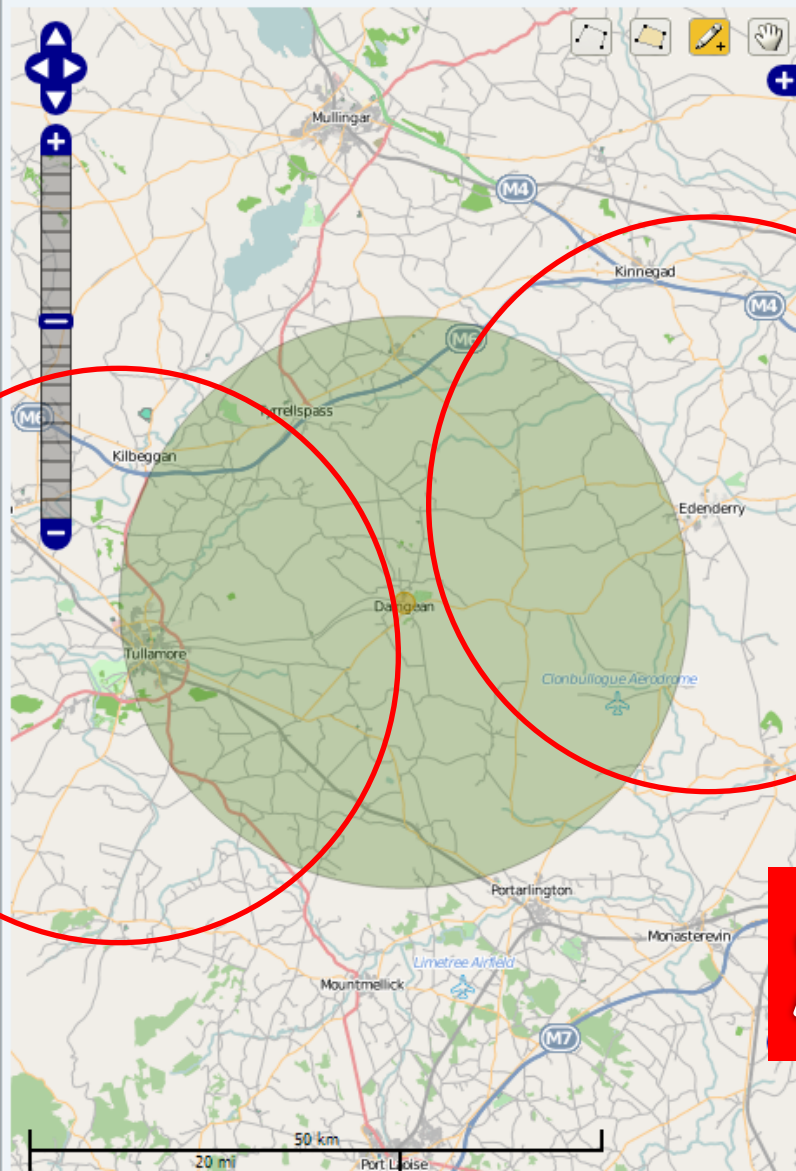
Population Statistics	Daingean
Total Population	1442
Male Population	737
Male Population %	51.11
Female Population	706
Female Population %	48.96
Age Band 0 - 14	364
Age Band 0 - 14 %	25.24
Age Band 15 - 24	227
Age Band 15 - 24 %	15.74
Age Band 25 - 44	445
Age Band 25 - 44 %	30.86
Age Band 45 - 64	273
Age Band 45 - 64 %	18.93
65 Plus	133
65 Plus %	9.22
Age Band 15 - 64	945
Total Dependency Ratio %	52.59
Young Dependency Ratio %	38.52

**1,442 PEOPLE**

**DAINGEAN @ 2.5KM CATCHMENT**



## Interactive Map



## Data Selection

### Output Results for daingean

[Download Excel File](#)

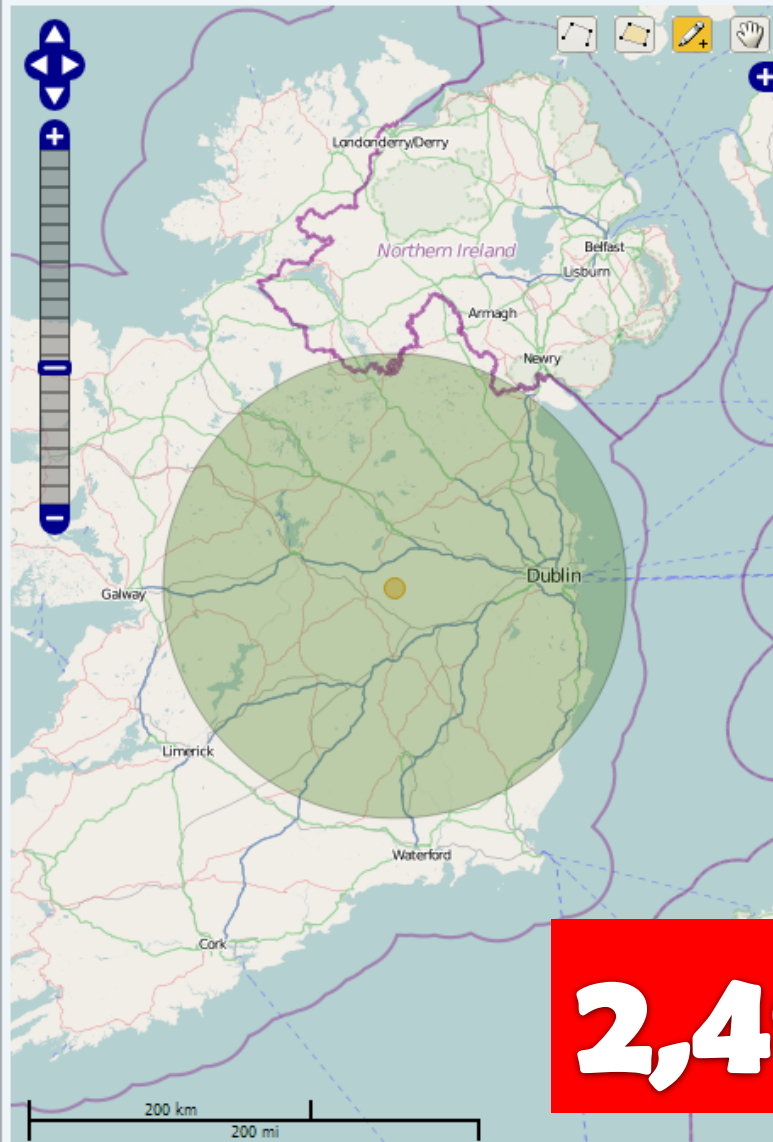
#### Population

Population Statistics	daingean	Republic of Ir
Total Population	30479	4239848
Male Population	15280	2121171
Male Population %	50.13	50.03
Female Population	15199	2118677
Female Population %	49.87	49.97
Age Band 0 - 14	7024	864449
Age Band 0 - 14 %	23.05	20.39
Age Band 15 - 24	4245	632732
Age Band 15 - 24 %	13.93	14.92
Age Band 25 - 44	9919	1345873
Age Band 25 - 44 %	32.54	31.74
Age Band 45 - 64	6231	928868
Age Band 45 - 64 %	20.44	21.91
65 Plus	3059	467926
65 Plus %	10.04	11.04
Age Band 15 - 64	20395	2907473
Total Dependency Ratio %	49.44	45.83
Young Dependency Ratio %	34.44	29.73

**30,479 PEOPLE**

**DAINGEAN @ 25KM CATCHMENT**

## Interactive Map



## Data Selection

Data currently available for the Republic of Ireland only.

### Output Results for daingean

Download Excel File

#### Population

Population Statistics	daingean	Republic of ...	Border	Dublin	Mid-...
Total Population	2490321	4239848	468...	118...	475...
Male Population	1242625	2121171	235...	582...	239...
Male Population %	49.9	50.03	50.38	49.07	50.43
Female Population	1247696	2118677	232...	604...	235...
Female Population %	50.1	49.97	49.62	50.93	49.57
Age Band 0 - 14	506500	864449	101...	217...	108...
Age Band 0 - 14 %	20.34	20.39	21.76	18.33	22.78
Age Band 15 - 24	375356	632732	66360	192...	67604
Age Band 15 - 24 %	15.07	14.92	14.17	16.18	14.22
Age Band 25 - 44	820513	1345873	137...	409...	161...
Age Band 25 - 44 %	32.95	31.74	29.27	34.53	33.94
Age Band 45 - 64	529325	928868	105...	244...	99803
Age Band 45 - 64 %	21.26	21.91	22.59	20.64	21.00
65 Plus	258627	467926	571...	122...	38320
65 Plus %	10.39	11.04	12.21	10.32	8.06
Age Band 15 - 64	1725194	2907473	309...	847...	328...
Total Dependency Ra...	44.35	45.83	51.46	40.16	44.60
Young Dependency Ra...	29.36	29.73	32.96	25.70	32.94

**2,490,321 PEOPLE**

Reset Map

Zoom to Study Area Extent

**DAINGEAN @ 100KM CATCHMENT**



# What does a town of 2,000 have?

Facility	Catchment	Access	Quantity
Creche	2,000	400m	1
Primary sch	1000	600m	2
Secondary	8000	1,000m	1
Health Centre	2,000	1,000m	1
Community Centre	2,000	2000m	1
District centre	10,000	800m	0
Leisure Centre	20,000	1,500m	0
Dwelling units	2.5	---	800

# CHOSEN VALUES HIERARCHY

- SUSTAINABLE
- UNIQUE
- VIBRANT
- SENSE OF COMMUNITY
- HERITAGE
- EDUCATION
- CULTURAL
- ENVIRONMENTAL
- EQUAL
- POSITIVE



# VISION STATEMENT

TO CREATE A SUSTAINABLE TOWN WITH

A UNIQUE & VIBRANT SENSE OF COMMUNITY

SHOWING RESPECT FOR HERITAGE,

EDUCATION, CULTURE AND THE ENVIRONMENT

WITH AN EQUAL AND POSITIVE ATTITUDE





# BRAND DAINGEAN

- ***POSTIVE ENERGY BEING ENERGY POSITIVE***
- A MODEL IN SUSTAINABLE DEVELOPMENT
- ENERGY SELF SUFFICIENCY
- LOCAL FOOD PRODUCTION & MARKET
- NEW SELF BUILD HOUSING MODEL CODE
- SPECILISED LOCATION FOR OUTDOOR ACTIVITIES
- WALK, RUN, CYCLE, SWIM, CANOE, TREK
- MAKE ENERGY - USE ENERGY – ***NRG+***

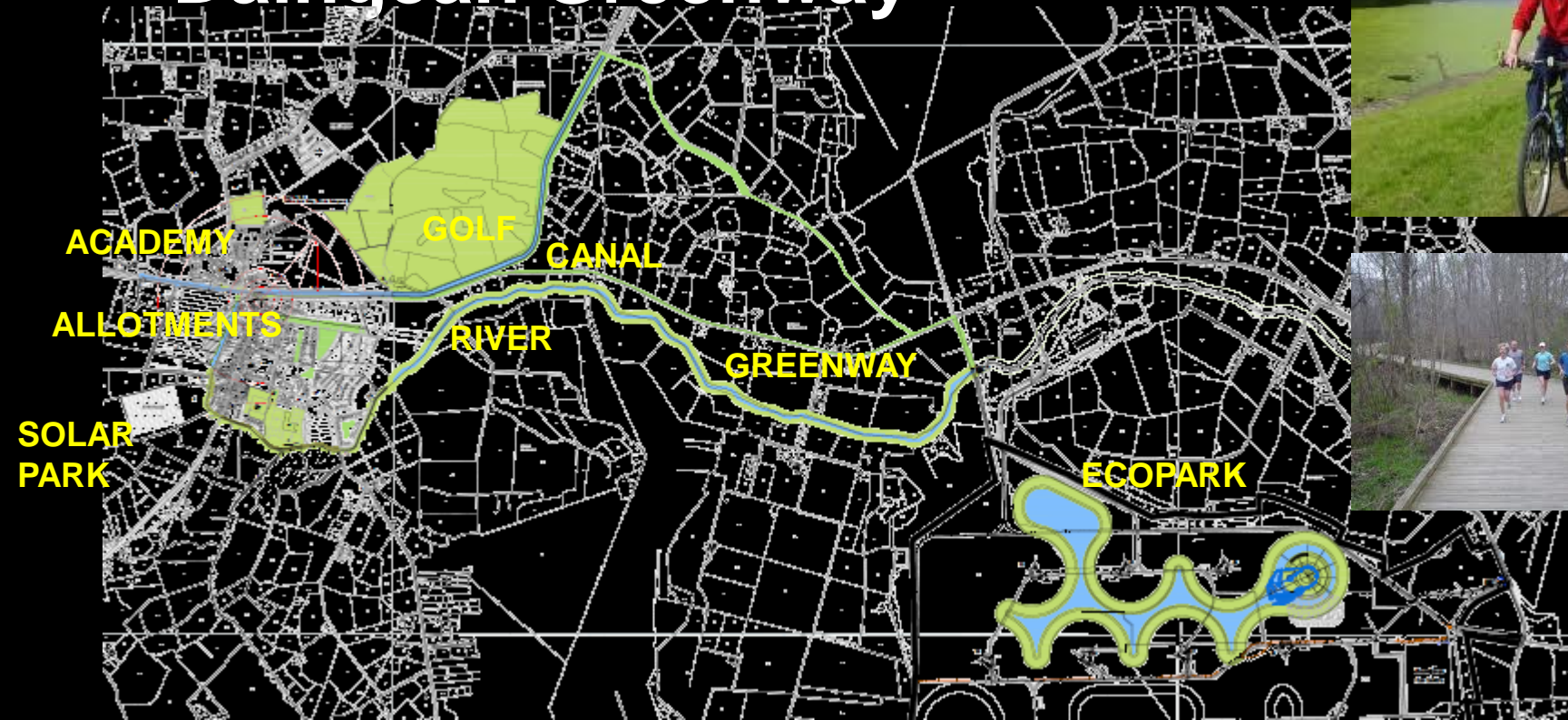


# **NRG+** *planning*

- Daingean Greenway
- Mount Lucas Eco Park
- Grand Canal Park
- Daingean Power Plan
- Daingean Allotments
- Daingean Markets
- Self Build Housing Code

# NRG+ *planning*

- Daingean Greenway



MOUNT LUCAS ECOPARK AS A NATIONAL ATTRACTION WITH 2.4M CATCHMENT POPULATION

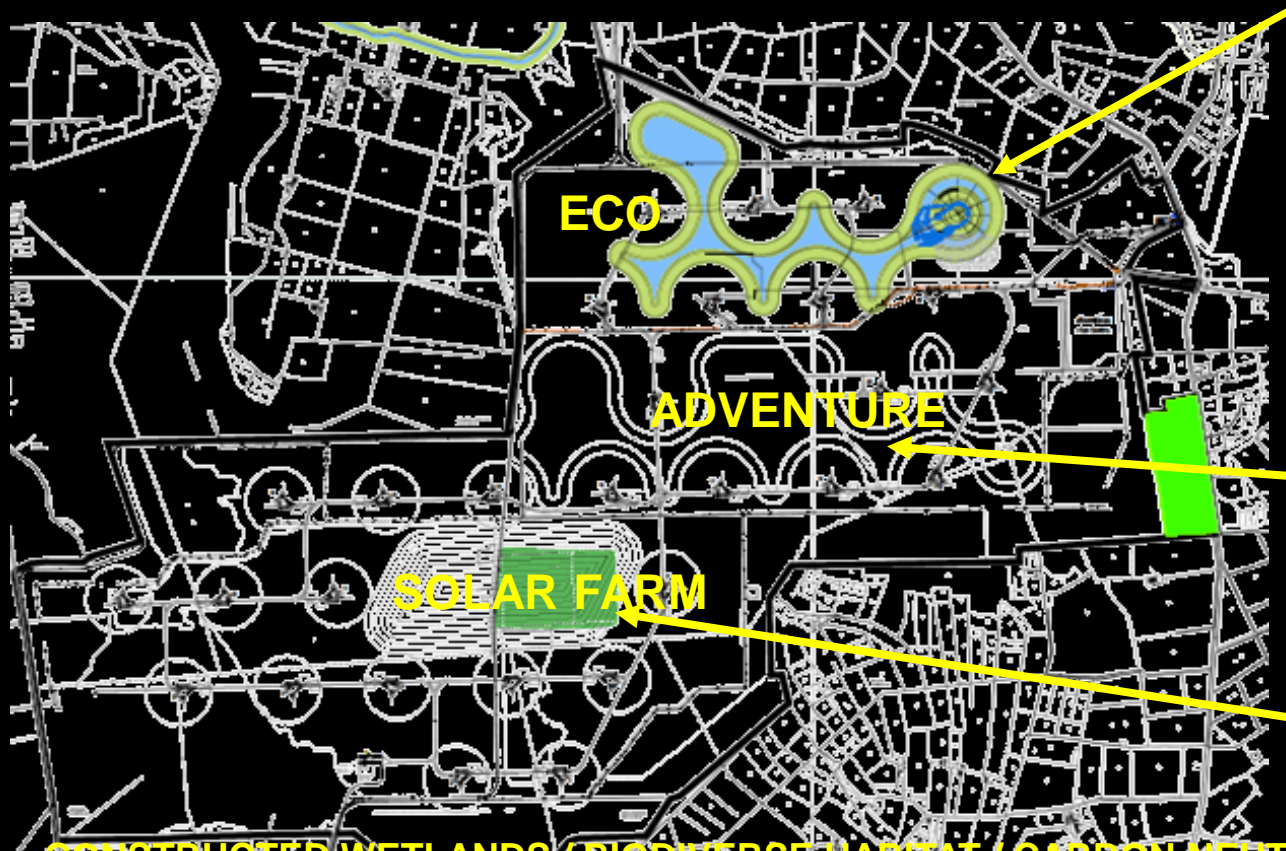
DAINGEAN GREENWAY – CONNECTING DAINGEAN TO ECO PARK



# **NRG+** *planning*



- Mount Lucas Eco Park



**CONSTRUCTED WETLANDS / BIODIVERSE HABITAT / CARBON NEUTRAL  
DEVELOPMENT ADDITIONAL ENERGY PRODUCTION VIA SOLAR FARM.  
ECO EDUCATION TOURS**



# NRG+ *planning*

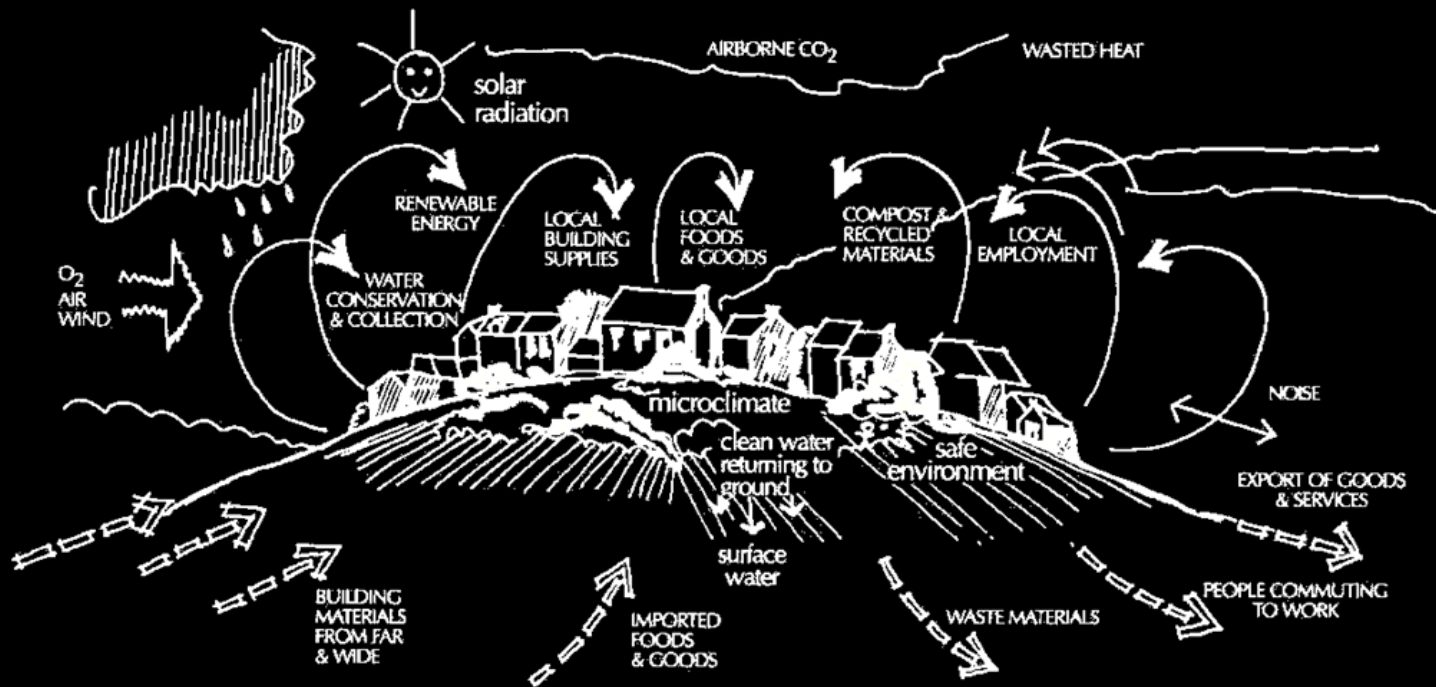
- Grand Canal Park





# **NRG+** *planning*

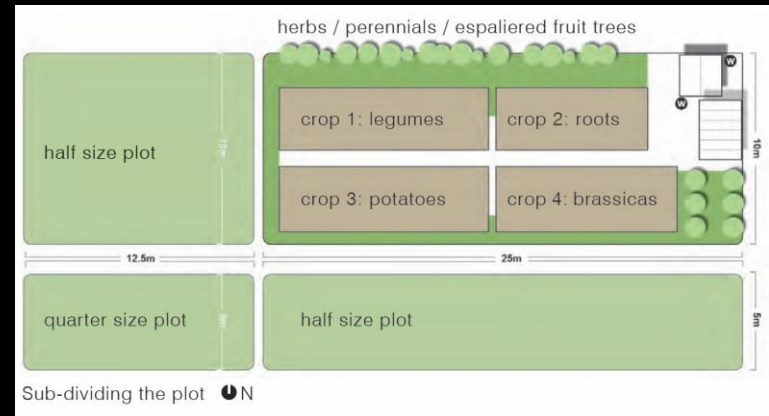
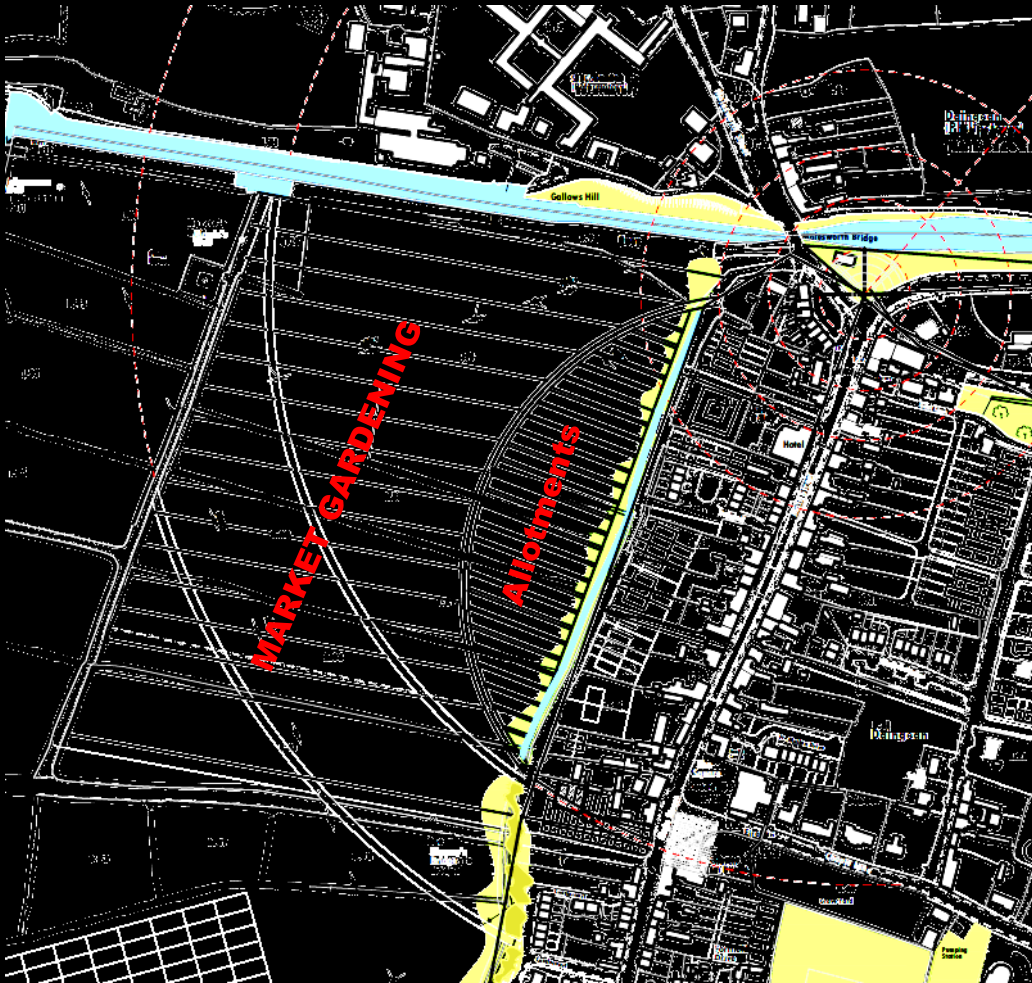
- Daingean Power Plan



- BALANCE RESOURCES IN & RESOURCES OUT
- CARBON NEUTRAL TOWN
- ENERGY POSITIVE NETT EXPORTER OF POWER

# NRG+ *planning*

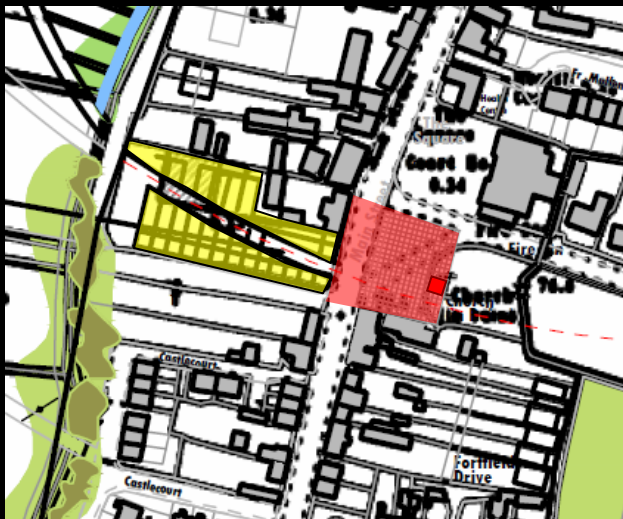
- Daingean Allotments





# NRG+ *planning*

- Daingean Markets



Covered markets for sale of local produce  
Temporary open air market in new market sq in front of Methodist church  
Creates Local Jobs at low cost  
Creates visitor attraction  
Keeps spending local  
Expands existing assets

# NRG+ *planning*

- Self Build Housing Code



- Once-off Urban housing instead of rural housing
- Design freedom within design code
- Lower cost of housing on smaller more sustainable sites



*“Make no little plans; they have no magic to stir mens blood and probably themselves will not be realised.*

*Make big plans; aim high in hope and work, remembering that a noble diagram once recorded will never die, but long after we are gone will be a living thing, asserting itself with ever-growing insistency.*

*Remember that our sons and grandsons are going to do things that will stagger us. Let your watchword be order and your beacon be beauty.”*

**Think BIG!!**