

100
10
0



CARLOW SOUTHERN RELIEF ROAD LAYOUT
OPTION (SUBJECT TO ROUTE OPTION
ASSESSMENT AND DETAIL DESIGN BY OTHERS)

SITE
NOTICE

1650mm DIAMETER GRAVITY
MAIN TUNNEL FROM
EXISTING KILKENNY ROAD
PUMPING STATION

LS

ACCESS ROAD

LS

LS

LEGEND

SYMBOL	IMAGE	DESCRIPTION
		Luminaire A Height: 6Mtr AXIA 3.1 5384 Integrated lenses 16 OSLON SQUARE GIANT@700mA Lamp 16 OSLON SQUARE GIANT@870mA WW 727 230V 00-53-397 MF 0.89
TYPE-A		
PROJECT ELEMENT OUTLINE		
	10	10 Lux
	5.0	5 Lux
	2.0	2 Lux
	1.0	1 Lux
	0.5	0.5 Lux
	0.2	0.2 Lux

1

LIGHTING LAYOUT

1:500 @ A1
1:1000 @ A3

ELECTRICAL NOTES

- ELECTRICAL INSTALLATION TO BE CARRIED OUT IN ACCORDANCE WITH IS 10101:2020 ALL ELECTRICAL WORK WILL BE CARRIED OUT BY A COMPETENT ELECTRICAL CONTRACTOR. THE INSTALLATION, I.E DESIGN, CONSTRUCTION, INSPECTION AND TESTING WILL BE COMPLETED IN STRICT ACCORDANCE WITH IS 10101:2020 AND IN COMPLIANCE WITH OTHER REGULATIONS.
- PROPOSED NEW LIGHTING HAS BEEN DESIGNED IN ACCORDANCE WITH IS EN 13201-2:2015, BS 5489-1:2020, WIMES 3.02E & ILP GN08/23
- SWITCHING OF NEW LIGHTING SYSTEM WILL BE FACILITATED VIA THE INDIVIDUAL PHOTOCELLS AND PIR'S MOUNTED ON LUMINAIRE HEADS.
- LUMINAIRE COLOUR TEMPERATURE TO BE 2700K.
- ALL LUMINAIRES TO BE INSTALLED AT 0 DEGREES WITH NO UPWARD LIGHT
- BACK SHIELDS/BAFFLES SHALL BE INSTALLED ON THE FOLLOWING LUMINAIRES: 13A, 20A, 23A & 24A
- THE AREAS AS FOLLOW HAVE BEEN DESIGNED ACCORDING TO THE FOLLOWING STANDARDS:
 - ROADS ARE DESIGNED IN ACCORDANCE WITH WIMES 3.02E [EAV MIN=10 LUX / UO=0.25]
 - BAT ROOST - LESS THAN 1 LUX
 - MAINTENANCE FACTOR 0.89

Design Data

Results Roads - Horizontal Illuminance (lux)
Eav= 10.08
Emin= 2.6
Emax= 21.12
Emin/Emax= 0.12
Emin/Eav= 0.26

Bat Roost
Results - Horizontal Illuminance (lux)
Eav= 0.13
Emin= 0.01
Emax= 1.29
Emin/Emax= 0.00
Emin/Eav= 0.05

Bat Roost Vertical Grid
Results - Horizontal Illuminance (lux)
Eav= 0.23
Emin= 0.01
Emax= 0.68
Emin/Emax= 0.01
Emin/Eav= 0.02

GENERAL NOTES:

- ALL DIMENSIONS ARE INTERNAL AND IN METRES UNLESS NOTED OTHERWISE.
- ONLY WRITTEN DIMENSIONS SHALL BE USED. NO DIMENSIONS SHALL BE SCALED FROM THE DRAWINGS.
- ALL LEVELS ARE IN METRES AND ARE TO MALIN HEAD DATUM.
- ALL COORDINATES ARE IN METRES AND ARE TO IRISH TRANSVERSE MERCATOR.

LEGEND :

- SITE BOUNDARY LINE (AREA = 10.766 ha)
- LANDS IN CONTROL OF APPLICANT
- EXISTING LEVEL
- PROPOSED LEVEL
- GRID REFERENCE LOCATION
- OS MAP REFERENCE NUMBER
- EXISTING
- PROPOSED
- EXISTING LAMP POST TO BE REMOVED
- EXISTING LIGHTING STANDARD TO BE REMOVED



KEY PLAN SCALE 1:10000 @ A1

Purpose				
PLANNING				
0 PLANNING				
Rev	Description	By	Date	Chk'd Auth
			AMQ 26.05.26	KA FQ



DUBLIN | CORK | GALWAY | DUNDALK

ATKINS HOUSE, 150 AIRSIDE BUSINESS PARK,
SWORDS, DUBLIN, K67 K5W4.
Tel : +353 1 810 8000 Email : info.ie@atkinsrealis.com



Client

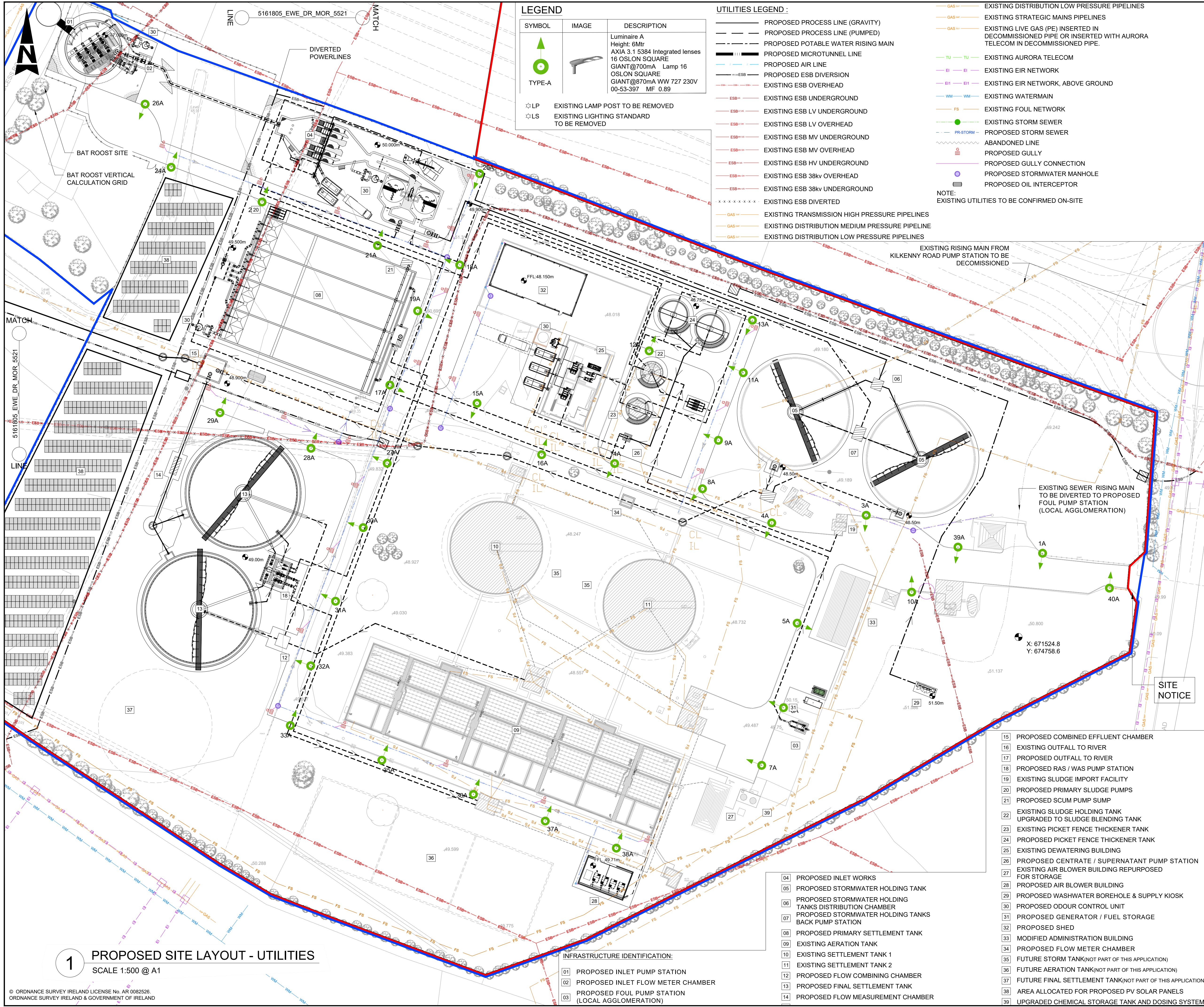
MORTARSTOWN WASTEWATER
TREATMENT PLANT UPGRADE

Title

PROPOSED WWTP LIGHTING
DETAILED LAYOUT
SHEET 2 OF 2

Original Scale	Design/Drawn	Checked	Authorised
1:500 @ A1	AMQ	KA	FQ
Date	Date	Date	Date
26.05.26	26.05.26	26.05.26	26.05.26
Status	Drawing Number	Rev	
P	5161805_EWE_DR_MOR_5196	0	

100
0 10



1 PROPOSED SITE LAYOUT - UTILITIES
SCALE 1:500 @ A1



UTILITIES LEGEND :

- PROPOSED PROCESS LINE (GRAVITY)

PROPOSED PROCESS LINE (PUMPED)

PROPOSED POTABLE WATER RISING MAIN

PROPOSED MICROTUNNEL LINE

PROPOSED AIR LINE

PROPOSED ESB DIVERSION

EXISTING ESB OVERHEAD

EXISTING ESB UNDERGROUND

EXISTING ESB LV UNDERGROUND

EXISTING ESB LV OVERHEAD

EXISTING ESB MV UNDERGROUND

EXISTING ESB MV OVERHEAD

EXISTING ESB HV UNDERGROUND

EXISTING ESB 38kv OVERHEAD

EXISTING ESB 38kv UNDERGROUND

EXISTING ESB DIVERTED
- GAS

EXISTING TRANSMISSION HIGH PRESSURE PIPELINES
- GAS

EXISTING DISTRIBUTION MEDIUM PRESSURE PIPELINES
- GAS

EXISTING DISTRIBUTION LOW PRESSURE PIPELINES
- GAS

EXISTING STRATEGIC MAINS PIPELINES
- GAS

EXISTING LIVE GAS (PE) INSERTED IN DECOMMISSIONED PIPE OR INSERTED WITH AURORA TELECOM IN DECOMMISSIONED PIPE.
- TU

EXISTING AURORA TELECOM
- EI

EXISTING EIR NETWORK
- EI

EXISTING EIR NETWORK, ABOVE GROUND
- WM

EXISTING WATERMAIN
- FS

EXISTING FOUL NETWORK
- ---

EXISTING STORM SEWER
- PR-STORM

PROPOSED STORM SEWER
- ---

ABANDONED LINE
- G

PROPOSED GULLY
- ---

PROPOSED GULLY CONNECTION
- ---

PROPOSED STORMWATER MANHOLE
- ---

PROPOSED OIL INTERCEPTOR

NOTE:
EXISTING UTILITIES TO BE CONFIRMED ON-SITE

LEGEND

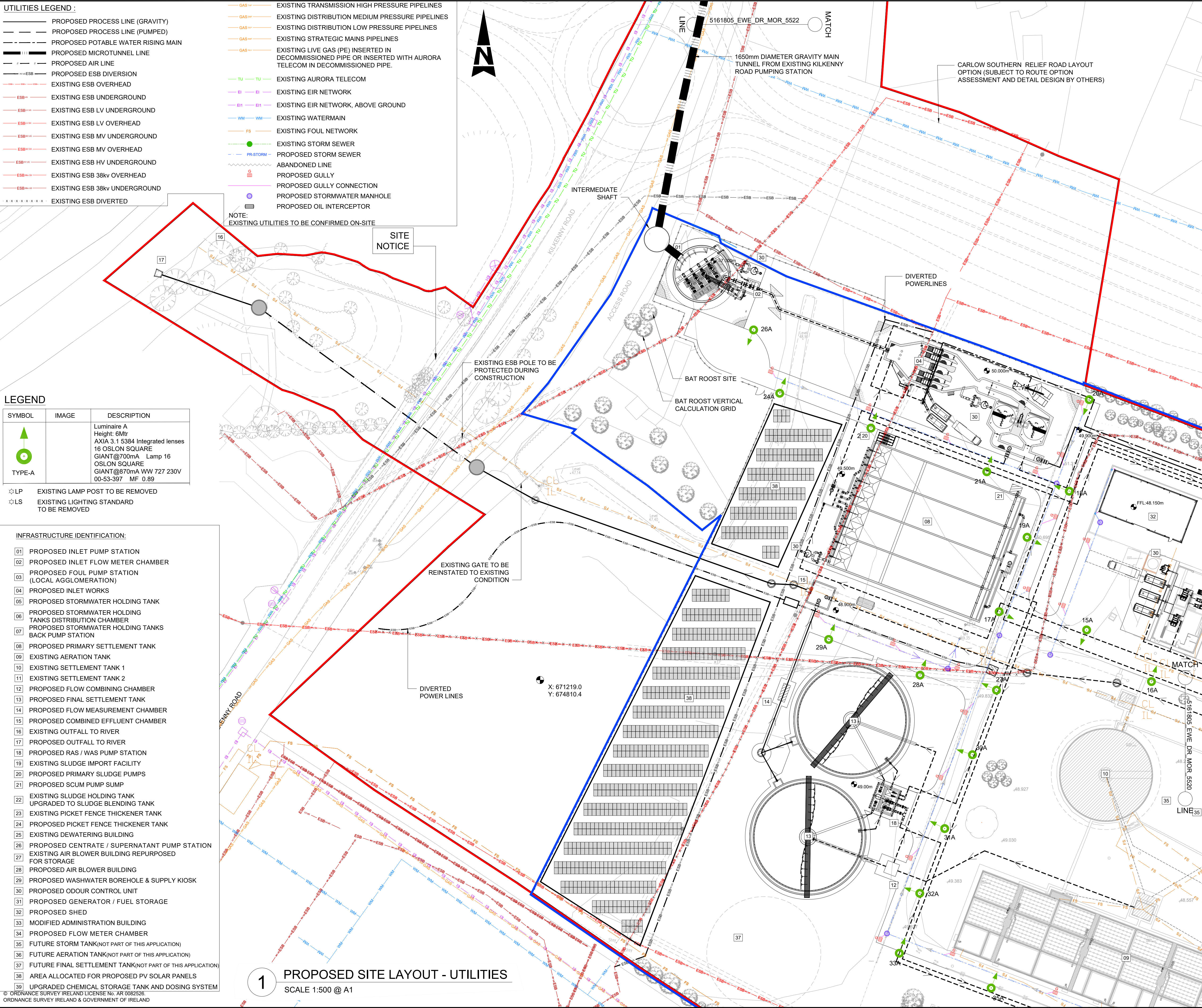
SYMBOL	IMAGE	DESCRIPTION
		Luminaire A Height: 6Mtr AXIA 3.1 5384 Integrated lenses 16 OSLOM SQUARE GIANT@700mA Lamp 16 OSLOM SQUARE GIANT@870mA WW 727 230V 00-53-397 MF 0.89
☆LP		EXISTING LAMP POST TO BE REMOVED
☆LS		EXISTING LIGHTING STANDARD TO BE REMOVED

INFRASTRUCTURE IDENTIFICATION:

- 01 PROPOSED INLET PUMP STATION
- 02 PROPOSED INLET FLOW METER CHAMBER
- 03 PROPOSED FOUL PUMP STATION
(LOCAL AGGLOMERATION)
- 04 PROPOSED INLET WORKS
- 05 PROPOSED STORMWATER HOLDING TANK
- 06 PROPOSED STORMWATER HOLDING
TANKS DISTRIBUTION CHAMBER
- 07 PROPOSED STORMWATER HOLDING TANKS
BACK PUMP STATION
- 08 PROPOSED PRIMARY SETTLEMENT TANK
- 09 EXISTING AERATION TANK
- 10 EXISTING SETTLEMENT TANK 1
- 11 EXISTING SETTLEMENT TANK 2
- 12 PROPOSED FLOW COMBINING CHAMBER
- 13 PROPOSED FINAL SETTLEMENT TANK
- 14 PROPOSED FLOW MEASUREMENT CHAMBER
- 15 PROPOSED COMBINED EFFLUENT CHAMBER
- 16 EXISTING OUTFALL TO RIVER
- 17 PROPOSED OUTFALL TO RIVER
- 18 PROPOSED RAS / WAS PUMP STATION
- 19 EXISTING SLUDGE IMPORT FACILITY
- 20 PROPOSED PRIMARY SLUDGE PUMPS
- 21 PROPOSED SCUM PUMP SUMP
- 22 EXISTING SLUDGE HOLDING TANK
UPGRADED TO SLUDGE BLENDING TANK
- 23 EXISTING PICKET FENCE THICKENER TANK
- 24 PROPOSED PICKET FENCE THICKENER TANK
- 25 EXISTING DEWATERING BUILDING
- 26 PROPOSED CENTRATE / SUPERNATANT PUMP STATION
- 27 EXISTING AIR BLOWER BUILDING REPURPOSED
FOR STORAGE
- 28 PROPOSED AIR BLOWER BUILDING
- 29 PROPOSED WASHWATER BOREHOLE & SUPPLY KIOSK
- 30 PROPOSED ODOUR CONTROL UNIT
- 31 PROPOSED GENERATOR / FUEL STORAGE
- 32 PROPOSED SHED
- 33 MODIFIED ADMINISTRATION BUILDING
- 34 PROPOSED FLOW METER CHAMBER
- 35 FUTURE STORM TANK(NOT PART OF THIS APPLICATION)
- 36 FUTURE AERATION TANK(NOT PART OF THIS APPLICATION)
- 37 FUTURE FINAL SETTLEMENT TANK(NOT PART OF THIS APPLICATION)
- 38 AREA ALLOCATED FOR PROPOSED PV SOLAR PANELS
- 39 UPGRADED CHEMICAL STORAGE TANK AND DOSING SYSTEM

1 PROPOSED SITE LAYOUT - UTILITIES

SCALE 1:500 @ A1



GENERAL NOTES:

1. ALL DIMENSIONS ARE INTERNAL AND IN METRES
UNLESS NOTED OTHERWISE.
2. ONLY WRITTEN DIMENSIONS SHALL BE USED. NO
DIMENSIONS SHALL BE SCALED FROM THE DRAWINGS.
3. ALL LEVELS ARE IN METRES AND ARE TO MALIN HEAD
DATUM.
4. ALL COORDINATES ARE IN METRES AND ARE TO IRISH
TRANSVERSE MERCATOR.

LEGEND :

- SITE BOUNDARY LINE(AREA = 10.766 ha)
- LANDS IN CONTROL OF APPLICANT
- EXISTING LEVEL
- PROPOSED LEVEL
- GRID REFERENCE LOCATION
- OS MAP REFERENCE NUMBER
- EXISTING
- PROPOSED

KEY PLAN

SCALE 1:10000 @ A1

PLANNING				
0	PLANNING	AMQ	26.05.26	KA FQ
Rev	Description	By	Date	Chk'd Auth



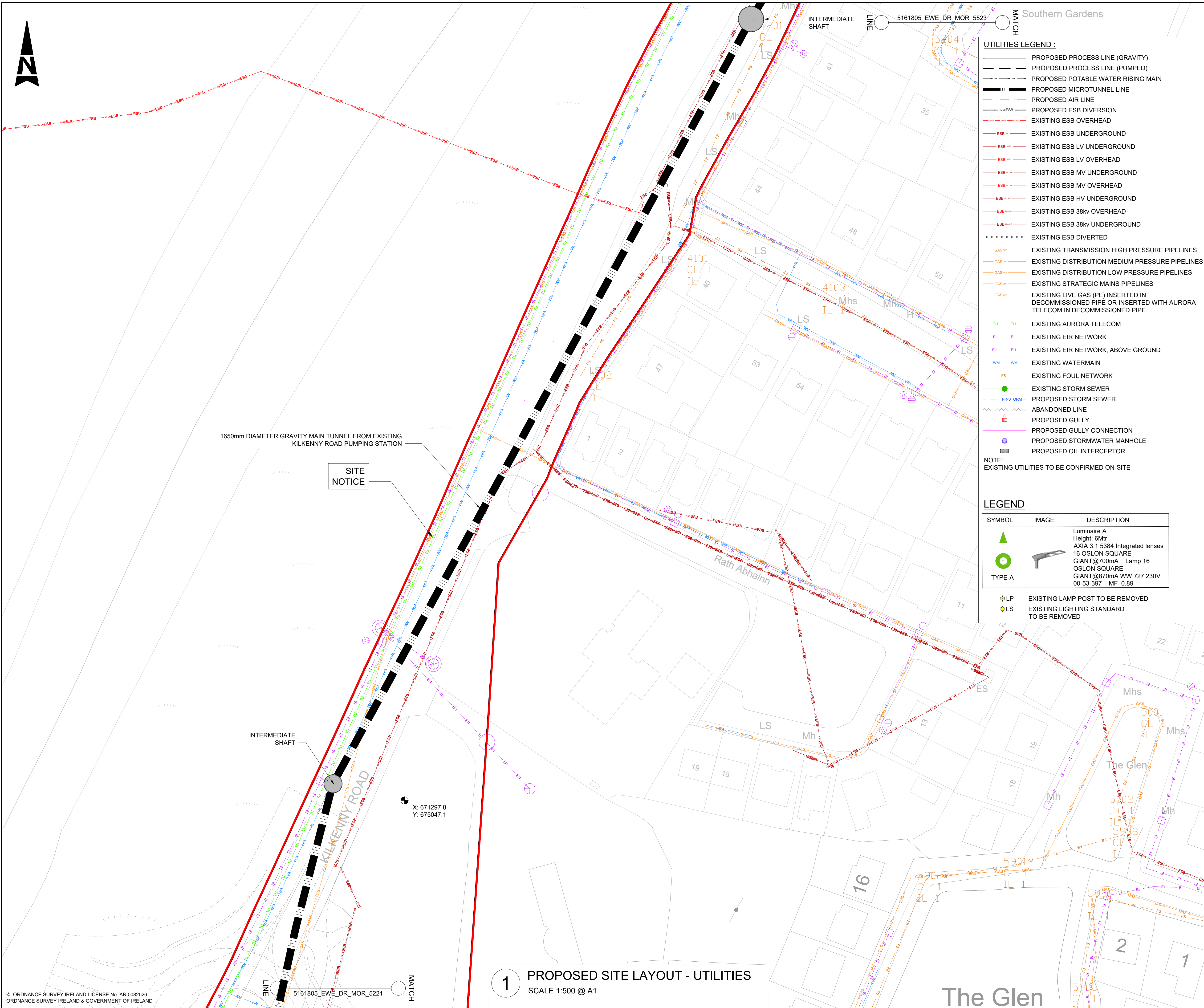
DUBLIN | CORK | GALWAY | DUNDALK
ATKINS HOUSE,150 AIRSIDE BUSINESS PARK,
SWORDS, DUBLIN, K67 K5W4.
Tel : +353 1 810 8000 Email : info.ie@atkinsrealis.com



MORTARSTOWN WASTEWATER
TREATMENT PLANT UPGRADE

PROPOSED SITE LAYOUT UTILITIES PLAN
SHEET 2 OF 5

Original Scale	Design/Drawn	Checked	Authorised
1:500 @ A1	AMQ	KA	FQ
Date 26.05.26	Date 26.05.26	Date 26.05.26	Date 26.05.26
Status	Drawing Number	Rev	
P	5161805_EWE_DR_MOR_5521	0	



© ORDNANCE SURVEY IRELAND LICENSE No. AR 0082526.
ORDNANCE SURVEY IRELAND & GOVERNMENT OF IRELAND

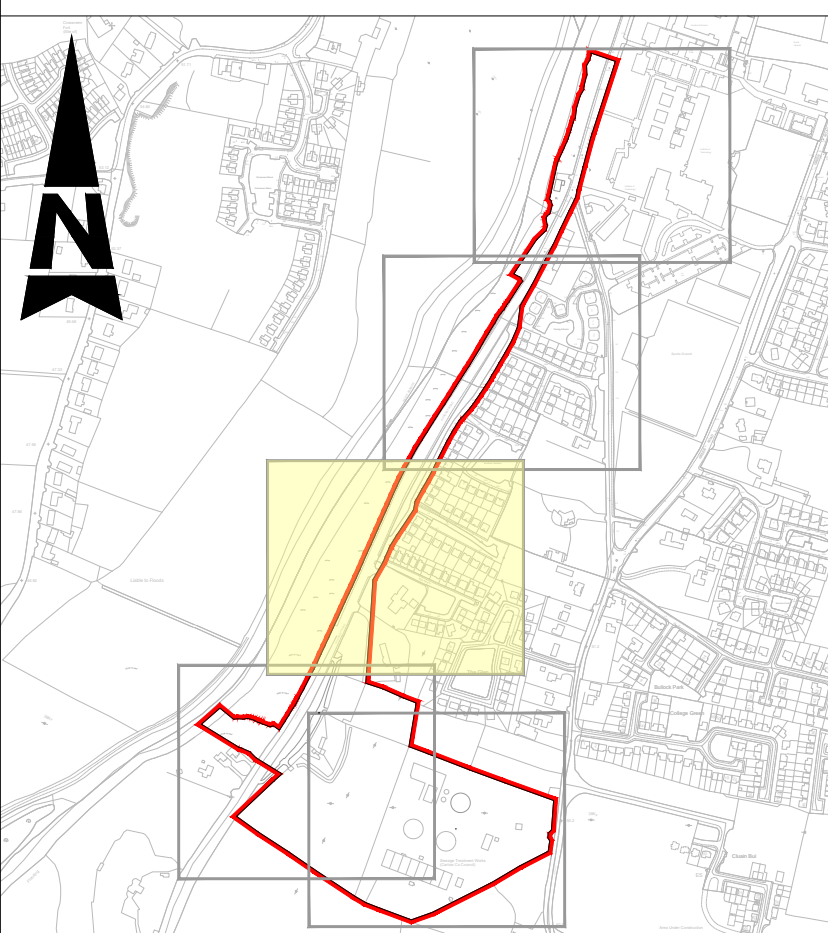
1 PROPOSED SITE LAYOUT - UTILITIES
SCALE 1:500 @ A1

- UTILITIES LEGEND :
- PROPOSED PROCESS LINE (GRAVITY)
 - PROPOSED PROCESS LINE (PUMPED)
 - PROPOSED POTABLE WATER RISING MAIN
 - PROPOSED MICROTUNNEL LINE
 - PROPOSED AIR LINE
 - PROPOSED ESB DIVERSION
 - EXISTING ESB OVERHEAD
 - EXISTING ESB UNDERGROUND
 - EXISTING ESB LV UNDERGROUND
 - EXISTING ESB LV OVERHEAD
 - EXISTING ESB MV UNDERGROUND
 - EXISTING ESB MV OVERHEAD
 - EXISTING ESB HV UNDERGROUND
 - EXISTING ESB 38kv OVERHEAD
 - EXISTING ESB 38kv UNDERGROUND
 - EXISTING ESB DIVERTED
 - EXISTING TRANSMISSION HIGH PRESSURE PIPELINES
 - EXISTING DISTRIBUTION MEDIUM PRESSURE PIPELINES
 - EXISTING DISTRIBUTION LOW PRESSURE PIPELINES
 - EXISTING STRATEGIC MAINS PIPELINES
 - EXISTING LIVE GAS (PE) INSERTED IN DECOMMISSIONED PIPE OR INSERTED WITH AURORA TELECOM IN DECOMMISSIONED PIPE.
 - EXISTING AURORA TELECOM
 - EXISTING EIR NETWORK
 - EXISTING EIR NETWORK, ABOVE GROUND
 - EXISTING WATERMAIN
 - EXISTING FOUL NETWORK
 - EXISTING STORM SEWER
 - PROPOSED STORM SEWER
 - ABANDONED LINE
 - PROPOSED GULLY
 - PROPOSED GULLY CONNECTION
 - PROPOSED STORMWATER MANHOLE
 - PROPOSED OIL INTERCEPTOR
- NOTE:
EXISTING UTILITIES TO BE CONFIRMED ON-SITE

SYMBOL	IMAGE	DESCRIPTION
		Luminaire A Height: 6Mtr AXIA 3.1 5384 Integrated lenses
		16 OSLON SQUARE GIANT@700mA Lamp 16 OSLON SQUARE GIANT@870mA WW 727 230V 00-53-397 MF 0.89
		EXISTING LAMP POST TO BE REMOVED
		EXISTING LIGHTING STANDARD TO BE REMOVED

- GENERAL NOTES:
- ALL DIMENSIONS ARE INTERNAL AND IN METRES UNLESS NOTED OTHERWISE.
 - ONLY WRITTEN DIMENSIONS SHALL BE USED. NO DIMENSIONS SHALL BE SCALED FROM THE DRAWINGS.
 - ALL LEVELS ARE IN METRES AND ARE TO MALIN HEAD DATUM.
 - ALL COORDINATES ARE IN METRES AND ARE TO IRISH TRANSVERSE MERCATOR.

- LEGEND :
- SITE BOUNDARY LINE (AREA = 10.766 ha)
 - LANDS IN CONTROL OF APPLICANT
 - EXISTING LEVEL
 - PROPOSED LEVEL
 - GRID REFERENCE LOCATION
 - OS MAP REFERENCE NUMBER
 - EXISTING
 - PROPOSED



KEY PLAN
SCALE 1:10000 @ A1

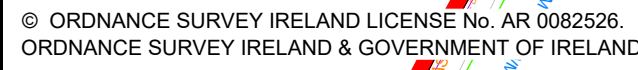
Purpose	PLANNING
Rev	Description
0	PLANNING
AMQ	26.05.26
KA	FQ

AtkinsRéalis
DUBLIN | CORK | GALWAY | DUNDALK
ATKINS HOUSE, 150 AIRSIDE BUSINESS PARK,
SWORDS, DUBLIN, K67 K5W4.
Tel : +353 1 810 8000 Email : info.ie@atkinsrealis.com

Uisce Éireann
Irish Water

Project
MORTARSTOWN WASTEWATER
TREATMENT PLANT UPGRADE
Title
PROPOSED SITE LAYOUT UTILITIES PLAN
SHEET 3 OF 5

Original	Scale	Design/Drawn	Checked	Authorised
1:500 @ A1	AMQ	KA	FQ	
Status	Drawing Number	Date	Date	Date
P	5161805_EWE_DR_MOR_5522	26.05.26	26.05.26	26.05.26
Rev				
0				



Purpose		PLANNING			
0	PLANNING	AMQ	26.05.26	KA	FQ
Rev	Description	By	Date	Chk'd	Auth

 **AtkinsRéalis**

DUBLIN | CORK | GALWAY | DUNDALK

ATKINS HOUSE, 150 AIRSIDE BUSINESS PARK,
SWORDS, DUBLIN, K67 K5W4.

Tel : +353 1 810 8000 Email : info_ie@atkinsrealis.com

Client

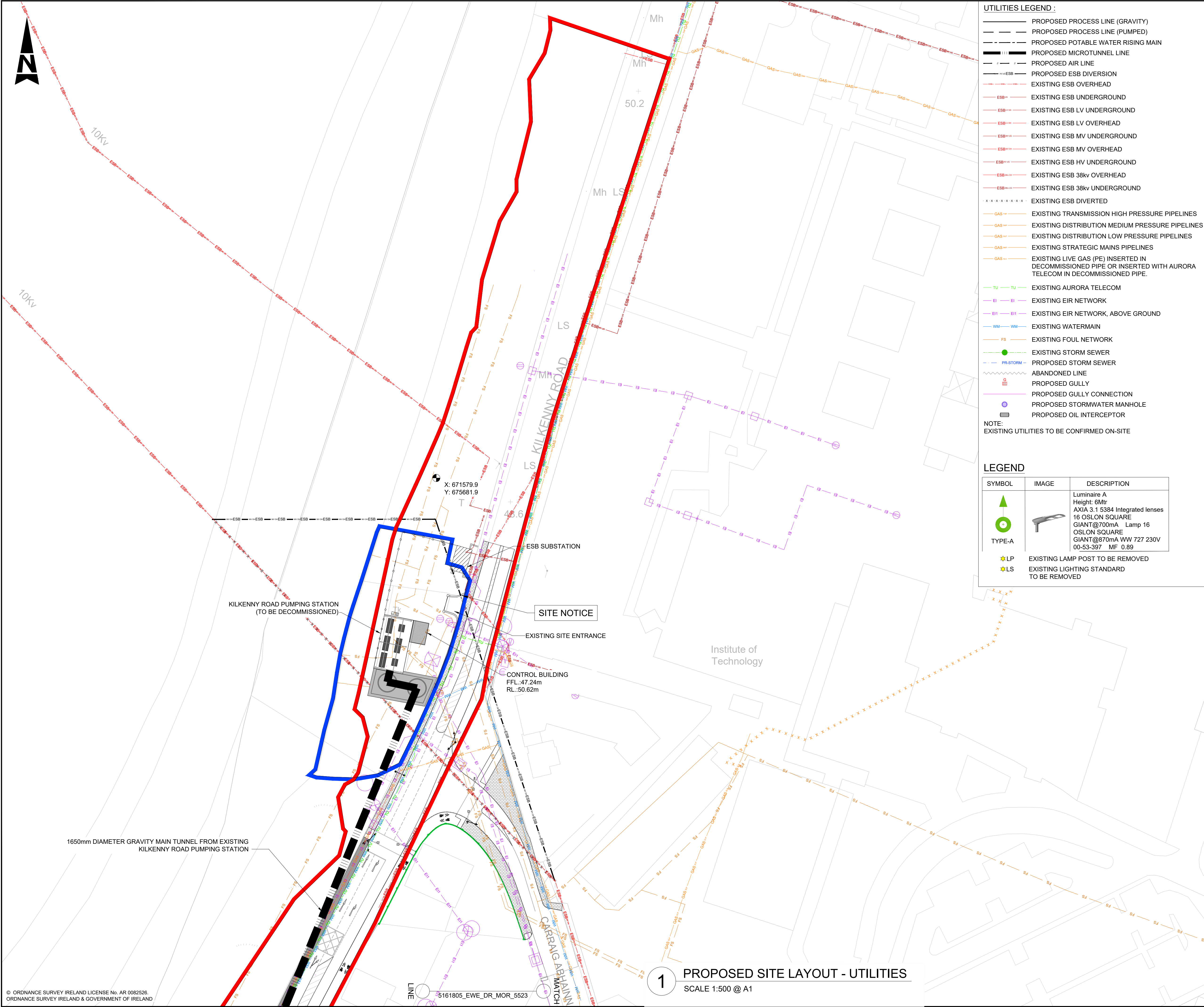
Uisce Éireann
Irish Water

Project

MORTARSTOWN WASTEWATER
TREATMENT PLANT UPGRADE

Title				
PROPOSED SITE LAYOUT UTILITIES PLAN SHEET 4 OF 5				
Original Scale		Design/Drawn	Checked	Authorized
1:500 @ A1		AMQ	KA	FQ
		Date 26.05.26	Date 26.05.26	Date 26.05.26
Status	Drawing Number			Rev
P	5161805_EWE_DR_MOR_5523			0

100
0 10

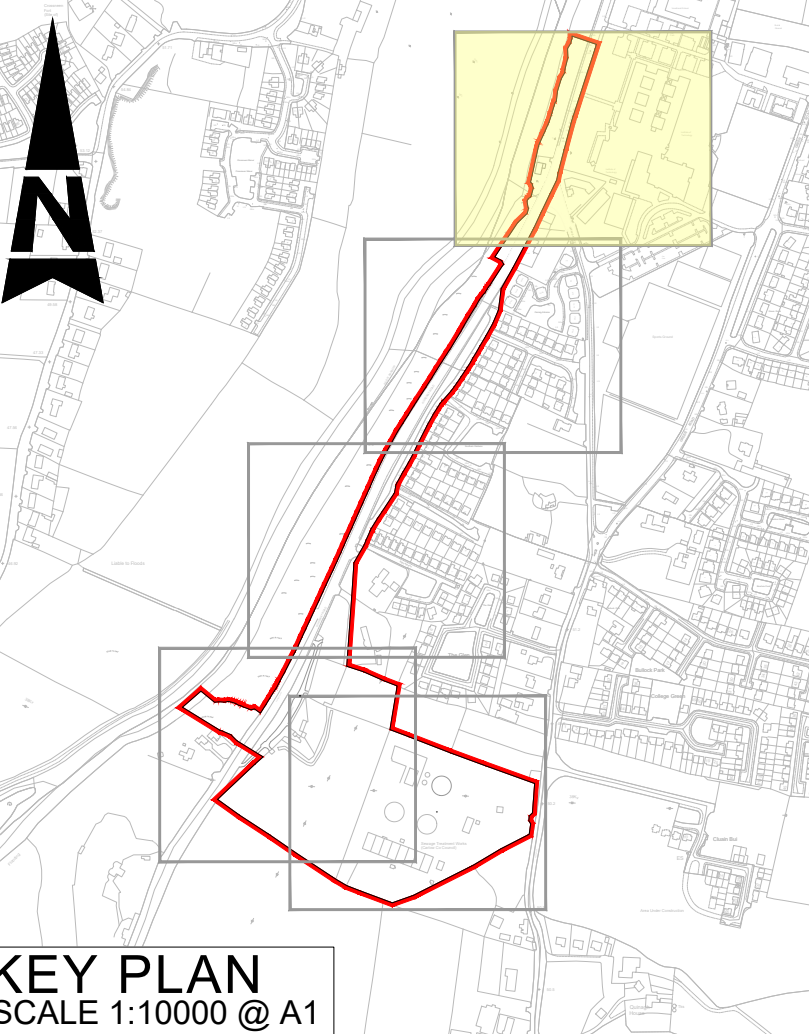


- UTILITIES LEGEND :
- PROPOSED PROCESS LINE (GRAVITY)
 - PROPOSED PROCESS LINE (PUMPED)
 - PROPOSED POTABLE WATER RISING MAIN
 - PROPOSED MICROTUNNEL LINE
 - PROPOSED AIR LINE
 - PROPOSED ESB DIVERSION
 - EXISTING ESB OVERHEAD
 - EXISTING ESB UNDERGROUND
 - EXISTING ESB LV UNDERGROUND
 - EXISTING ESB LV OVERHEAD
 - EXISTING ESB MV UNDERGROUND
 - EXISTING ESB MV OVERHEAD
 - EXISTING ESB HV UNDERGROUND
 - EXISTING ESB 38kv OVERHEAD
 - EXISTING ESB 38kv UNDERGROUND
 - EXISTING ESB DIVERTED
 - EXISTING TRANSMISSION HIGH PRESSURE PIPELINES
 - EXISTING DISTRIBUTION MEDIUM PRESSURE PIPELINES
 - EXISTING DISTRIBUTION LOW PRESSURE PIPELINES
 - EXISTING STRATEGIC MAINS PIPELINES
 - EXISTING LIVE GAS (PE) INSERTED IN DECOMMISSIONED PIPE OR INSERTED WITH AURORA TELECOM IN DECOMMISSIONED PIPE.
 - EXISTING AURORA TELECOM
 - EXISTING EIR NETWORK
 - EXISTING EIR NETWORK, ABOVE GROUND
 - EXISTING WATERMAIN
 - EXISTING FOUL NETWORK
 - EXISTING STORM SEWER
 - PROPOSED STORM SEWER
 - ABANDONED LINE
 - PROPOSED GULLY
 - PROPOSED GULLY CONNECTION
 - PROPOSED STORMWATER MANHOLE
 - PROPOSED OIL INTERCEPTOR
- NOTE:
EXISTING UTILITIES TO BE CONFIRMED ON-SITE

SYMBOL	IMAGE	DESCRIPTION
		Luminaire A Height: 6Mtr AXIA 3.1 5384 Integrated lenses 16 OSLON SQUARE GIANT@700mA Lamp 16 OSLON SQUARE GIANT@870mA WW 727 230V 00-53-397 MF 0.89
TYPE-A		
	LP	EXISTING LAMP POST TO BE REMOVED
	LS	EXISTING LIGHTING STANDARD TO BE REMOVED

- GENERAL NOTES:
- ALL DIMENSIONS ARE INTERNAL AND IN METRES UNLESS NOTED OTHERWISE.
 - ONLY WRITTEN DIMENSIONS SHALL BE USED. NO DIMENSIONS SHALL BE SCALED FROM THE DRAWINGS.
 - ALL LEVELS ARE IN METRES AND ARE TO MALIN HEAD DATUM.
 - ALL COORDINATES ARE IN METRES AND ARE TO IRISH TRANSVERSE MERCATOR.

- LEGEND :
- SITE BOUNDARY LINE(AREA = 10.766 ha)
 - LANDS IN CONTROL OF APPLICANT
 - EXISTING LEVEL
 - PROPOSED LEVEL
 - GRID REFERENCE LOCATION
 - OS MAP REFERENCE NUMBER
 - EXISTING
 - PROPOSED



KEY PLAN
SCALE 1:10000 @ A1

Purpose				
PLANNING				
0	PLANNING	AMQ	26.05.26	KA FQ
Rev	Description	By	Date	Chk'd Auth

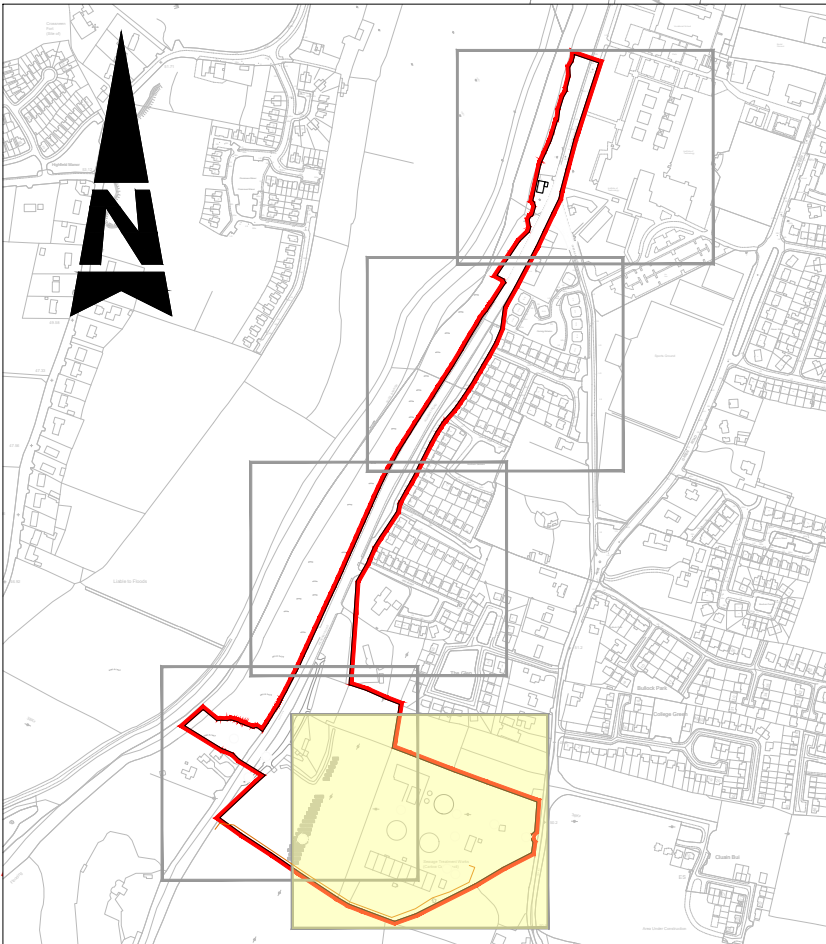
AtkinsRéalis
DUBLIN | CORK | GALWAY | DUNDALK
ATKINS HOUSE, 150 AIRSIDE BUSINESS PARK,
SWORDS, DUBLIN, K67 K5W4.
Tel : +353 1 810 8000 Email : info.ie@atkinsrealis.com

Client
Uisce Éireann
Irish Water

Project
MORTARSTOWN WASTEWATER
TREATMENT PLANT UPGRADE

Title
PROPOSED SITE LAYOUT UTILITIES PLAN
SHEET 5 OF 5

Original Scale	Design/Drawn	Checked	Authorised
1:500 @ A1	AMQ	KA	FQ
Status	Drawing Number	Date	Rev
P	5161805_EWE_DR_MOR_5524	26.05.26	0



KEY PLAN
SCALE 1:10000 @ A1

NOTE:

1. ALL WORKS ASSOCIATED WITH THE DIVERSION OF THE EXISTING OVERHEAD POWER CABLES OFF THE SITE SHALL BE CARRIED OUT BY ESB NETWORKS

Purpose		PLANNING			
0	PLANNING	AMQ	26.05.26	KA	FQ
ev	Description	By	Date	Chk'd	Auth

 **AtkinsRéalis**

DUBLIN | CORK | GALWAY | DUNDALK

ATKINS HOUSE, 150 AIRSIDE BUSINESS PARK,
SWORDS, DUBLIN, K67 K5W4.

Tel : +353 1 810 8000 Email : info.ie@atkinsrealis.com



project

MORTARSTOWN WASTEWATER
TREATMENT PLANT UPGRADE

PROPOSED ESB DIVERSION LAYOUT PLAN
SHEET 1 OF 5

Original Scale		Design/Drawn		Checked		Authorised	
1:500 @ A1		AMQ		KA		FQ	
		Date 26.05.26		Date 26.05.26		Date 26.05.26	
Status		Drawing Number					Rev
P		5161805_EWE_DR_MOR_5525					0

0 10 100



RIVER BARRROW

CARLOW SOUTHERN RELIEF ROAD LAYOUT
OPTION (SUBJECT TO ROUTE OPTION
ASSESSMENT AND DETAIL DESIGN BY OTHERS)

SITE
NOTICE

EXISTING GATE TO BE REINSTATED TO
EXISTING CONDITION

DIVERTED
POWER LINES

INTERMEDIATE
SHAFT

ACCESS ROAD

LINE

5161805 EWE DR MOR 5527
MATCH

1650mm DIAMETER GRAVITY MAIN
TUNNEL FROM EXISTING KILKENNY
ROAD PUMPING STATION

DIVERTED
POWER LINES

GENERAL NOTES:

1. ALL DIMENSIONS ARE INTERNAL AND IN METRES
UNLESS NOTED OTHERWISE.
2. ONLY WRITTEN DIMENSIONS SHALL BE USED. NO
DIMENSIONS SHALL BE SCALED FROM THE DRAWINGS.
3. ALL LEVELS ARE IN METRES AND ARE TO MALIN HEAD
DATUM.
4. ALL COORDINATES ARE IN METRES AND ARE TO IRISH
TRANSVERSE MERCATOR.

LEGEND :

- SITE BOUNDARY LINE(AREA = 10.766 ha)
- LANDS IN CONTROL OF APPLICANT
EXISTING LEVEL
- + XX.XXX
X:
Y:
4396 - 20.4356 - 25,
4396 - 0.4414,
4414 - B
- OS MAP REFERENCE NUMBER
- PROPOSED FENCING
- EXISTING ESB OVERHEAD
- EXISTING ESB UNDERGROUND
- EXISTING ESB LV UNDERGROUND
- EXISTING ESB LV OVERHEAD
- EXISTING ESB MV UNDERGROUND
- EXISTING ESB MV OVERHEAD
- EXISTING ESB HV UNDERGROUND
- EXISTING ESB 38kv OVERHEAD
- EXISTING ESB 38kv UNDERGROUND
- EXISTING ESB DIVERTED
- PROPOSED ESB LV OVERHEAD
- PROPOSED ESB HV UNDERGROUND

NOTE:
1. ALL WORKS ASSOCIATED WITH THE DIVERSION
OF THE EXISTING OVERHEAD POWER CABLES
OFF THE SITE SHALL BE CARRIED OUT BY ESB
NETWORKS

INFRASTRUCTURE IDENTIFICATION:

- 01 PROPOSED INLET PUMP STATION
- 02 PROPOSED INLET FLOW METER CHAMBER
- 03 PROPOSED FOUL PUMP STATION
(LOCAL AGGLOMERATION)
- 04 PROPOSED INLET WORKS
- 05 PROPOSED STORMWATER HOLDING TANK
- 06 PROPOSED STORMWATER HOLDING
TANKS DISTRIBUTION CHAMBER
- 07 PROPOSED STORMWATER HOLDING TANKS
BACK PUMP STATION
- 08 PROPOSED PRIMARY SETTLEMENT TANK
- 09 EXISTING AERATION TANK
- 10 EXISTING SETTLEMENT TANK 1
- 11 EXISTING SETTLEMENT TANK 2
- 12 PROPOSED FLOW COMBINING CHAMBER
- 13 PROPOSED FINAL SETTLEMENT TANK
- 14 PROPOSED FLOW MEASUREMENT CHAMBER
- 15 PROPOSED COMBINED EFFLUENT CHAMBER
- 16 EXISTING OUTFALL TO RIVER
- 17 PROPOSED OUTFALL TO RIVER
- 18 PROPOSED RAS / WAS PUMP STATION
- 19 EXISTING SLUDGE IMPORT FACILITY
- 20 PROPOSED PRIMARY SLUDGE PUMPS
- 21 PROPOSED SCUM PUMP SUMP
- 22 EXISTING SLUDGE HOLDING TANK
UPGRADED TO SLUDGE BLENDING TANK
- 23 EXISTING PICKET FENCE THICKENER TANK
- 24 PROPOSED PICKET FENCE THICKENER TANK
- 25 EXISTING DEWATERING BUILDING
- 26 PROPOSED CENTRATE / SUPERNATANT PUMP STATION
- 27 EXISTING AIR BLOWER BUILDING REPURPOSED
FOR STORAGE
- 28 PROPOSED AIR BLOWER BUILDING
- 29 PROPOSED WASHWATER BOREHOLE & SUPPLY KIOSK
- 30 PROPOSED ODOUR CONTROL UNIT
- 31 PROPOSED GENERATOR / FUEL STORAGE
- 32 PROPOSED SHED
- 33 MODIFIED ADMINISTRATION BUILDING
- 34 PROPOSED FLOW METER CHAMBER
- 35 FUTURE STORM TANK(NOT PART OF THIS APPLICATION)
- 36 FUTURE AERATION TANK(NOT PART OF THIS APPLICATION)
- 37 FUTURE FINAL SETTLEMENT TANK(NOT PART OF THIS APPLICATION)
- 38 AREA ALLOCATED FOR PROPOSED PV SOLAR PANELS
- 39 UPGRADED CHEMICAL STORAGE TANK AND DOSING SYSTEM

PLANNING

0	PLANNING	AMQ	26.05.26	KA	FQ
---	----------	-----	----------	----	----

AtkinsRéalis
DUBLIN | CORK | GALWAY | DUNDALK
ATKINS HOUSE, 150 AIRSIDE BUSINESS PARK,
SWORDS, DUBLIN, K67 K5W4.
Tel : +353 1 810 8000 Email : info.ie@atkinsrealis.com

Uisce Éireann
Irish Water

MORTARSTOWN WASTEWATER
TREATMENT PLANT UPGRADE

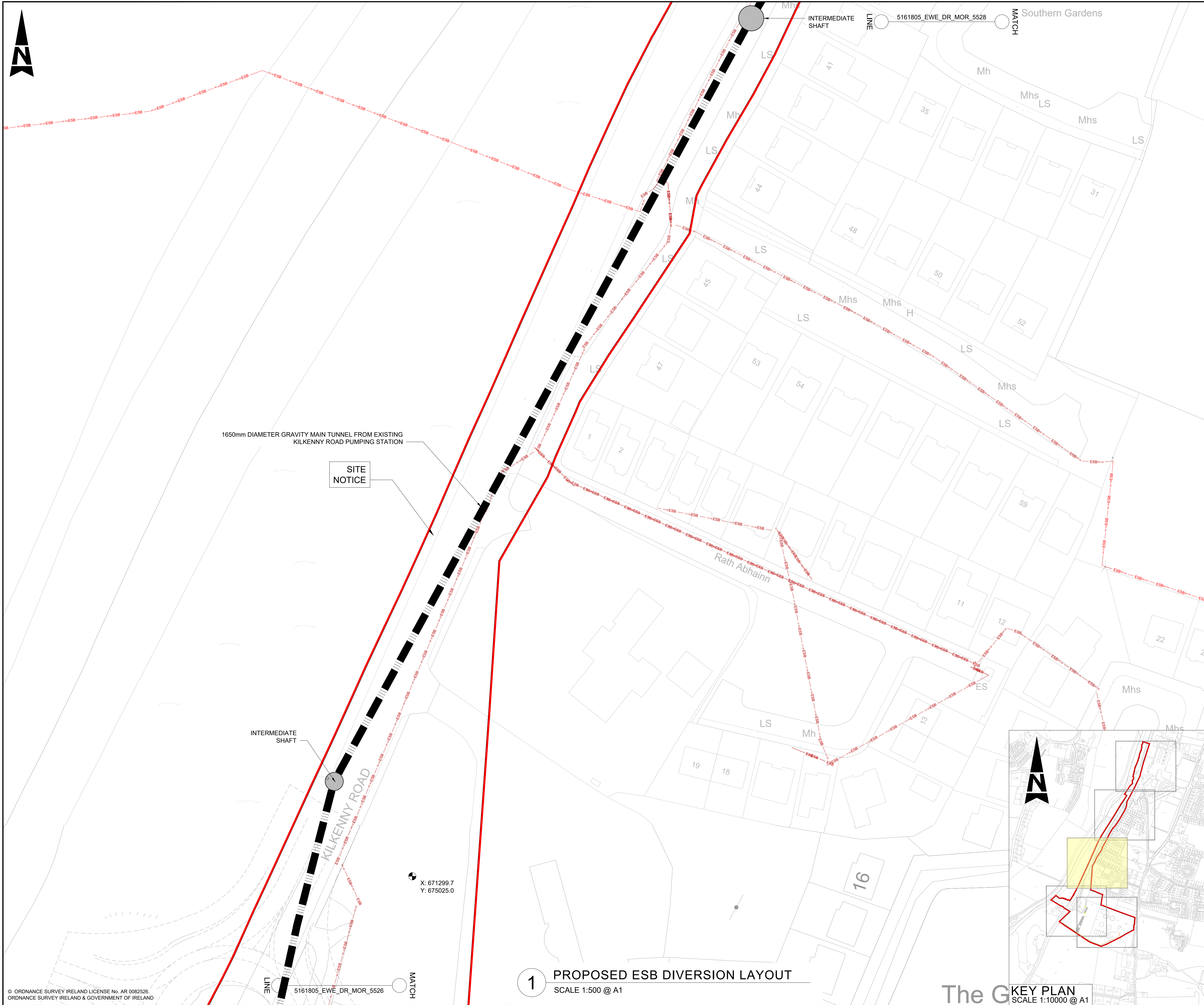
PROPOSED ESB DIVERSION LAYOUT PLAN
SHEET 2 OF 5

Original Scale	Design/Drawn	Checked	Authorised
1:500 @ A1	AMQ	KA	FQ
Date 26.05.26	Date 26.05.26	Date 26.05.26	Date 26.05.26

Status	Drawing Number	Rev
P	5161805_EWE_DR_MOR_5526	0

1 PROPOSED ESB DIVERSION LAYOUT SCALE 1:500 @ A1

KEY PLAN
SCALE 1:10000 @ A1



© ORDNANCE SURVEY IRELAND LICENSE No. AR 0082526.
ORDNANCE SURVEY IRELAND & GOVERNMENT OF IRELAND

1 PROPOSED ESB DIVERSION LAYOUT SCALE 1:500 @ A1

The G KEY PLAN
SCALE 1:10000 @ A1

GENERAL NOTES:

1. ALL DIMENSIONS ARE INTERNAL AND IN METRES UNLESS NOTED OTHERWISE.
2. ONLY WRITTEN DIMENSIONS SHALL BE USED. NO DIMENSIONS SHALL BE SCALED FROM THE DRAWINGS.
3. ALL LEVELS ARE IN METRES AND ARE TO MALIN HEAD DATUM.
4. ALL COORDINATES ARE IN METRES AND ARE TO IRISH TRANSVERSE MERCATOR.

LEGEND :

- SITE BOUNDARY LINE(AREA = 10.766 ha)
- LANDS IN CONTROL OF APPLICANT EXISTING LEVEL
- GRID REFERENCE LOCATION
- OS MAP REFERENCE NUMBER
- PROPOSED FENCING
- EXISTING ESB OVERHEAD
- EXISTING ESB UNDERGROUND
- EXISTING ESB LV UNDERGROUND
- EXISTING ESB LV OVERHEAD
- EXISTING ESB MV UNDERGROUND
- EXISTING ESB MV OVERHEAD
- EXISTING ESB HV UNDERGROUND
- EXISTING ESB 38kv OVERHEAD
- EXISTING ESB 38kv UNDERGROUND
- EXISTING ESB DIVERTED
- PROPOSED ESB LV OVERHEAD
- PROPOSED ESB HV UNDERGROUND

NOTE:

1. ALL WORKS ASSOCIATED WITH THE DIVERSION OF THE EXISTING OVERHEAD POWER CABLES OFF THE SITE SHALL BE CARRIED OUT BY ESB NETWORKS

Purpose PLANNING

Rev	Description	By	Date	Chk'd	Auth
0	PLANNING		AMQ 26.05.26	KA	FQ



DUBLIN | CORK | GALWAY | DUNDALK
ATKINS HOUSE, 150 AIRSIDE BUSINESS PARK,
SWORDS, DUBLIN, K67 K5W4.
Tel : +353 1 810 8000 Email : info.ie@atkinsrealis.com



MORTARSTOWN WASTEWATER
TREATMENT PLANT UPGRADE

PROPOSED ESB DIVERSION LAYOUT PLAN SHEET 3 OF 5

Original Scale		Design/Drawn	Checked	Authorised
1:500 @ A1		AMQ	KA	FQ
Date 26.05.26		Date 26.05.26	Date 26.05.26	
Status	Drawing Number			Rev
P	5161805_EWE_DR_MOR_5527			0



1. ALL DIMENSIONS ARE INTERNAL AND IN METRES UNLESS NOTED OTHERWISE.
2. ONLY WRITTEN DIMENSIONS SHALL BE USED. NO DIMENSIONS SHALL BE SCALED FROM THE DRAWINGS.
3. ALL LEVELS ARE IN METRES AND ARE TO MALIN HEAD DATUM.
4. ALL COORDINATES ARE IN METRES AND ARE TO IRISH TRANSVERSE MERCATOR.

4356 - 20, 4356 - 25,
4356 - D, 4414, OS MAP REFERENCE NUMBER

- | PROPOSED FENCING | |
|---|-------------------------------|
|  | EXISTING ESB OVERHEAD |
|  | EXISTING ESB UNDERGROUND |
|  | EXISTING ESB LV UNDERGROUND |
|  | EXISTING ESB LV OVERHEAD |
|  | EXISTING ESB MV UNDERGROUND |
|  | EXISTING ESB MV OVERHEAD |
|  | EXISTING ESB HV UNDERGROUND |
|  | EXISTING ESB 38kV OVERHEAD |
|  | EXISTING ESB 38kV UNDERGROUND |
|  | EXISTING ESB DIVERTED |
|  | PROPOSED ESB LV OVERHEAD |
|  | PROPOSED ESB HV UNDERGROUND |

NOTE:

1. ALL WORKS ASSOCIATED WITH THE DIVERSION OF THE EXISTING OVERHEAD POWER CABLES OFF THE SITE SHALL BE CARRIED OUT BY ESB NETWORKS

Purpose		PLANNING			
0	PLANNING	AMQ	26.05.26	KA	FO
Rev	Description	By	Date	Chk'd	Auth



ATKINS HOUSE, 150 AIRSIDE BUSINESS PARK,
SWORDS, DUBLIN, K67 K5W4.
Tel : +353 1 810 8000 Email : info.ie@atkinsrealis.com

Client _____



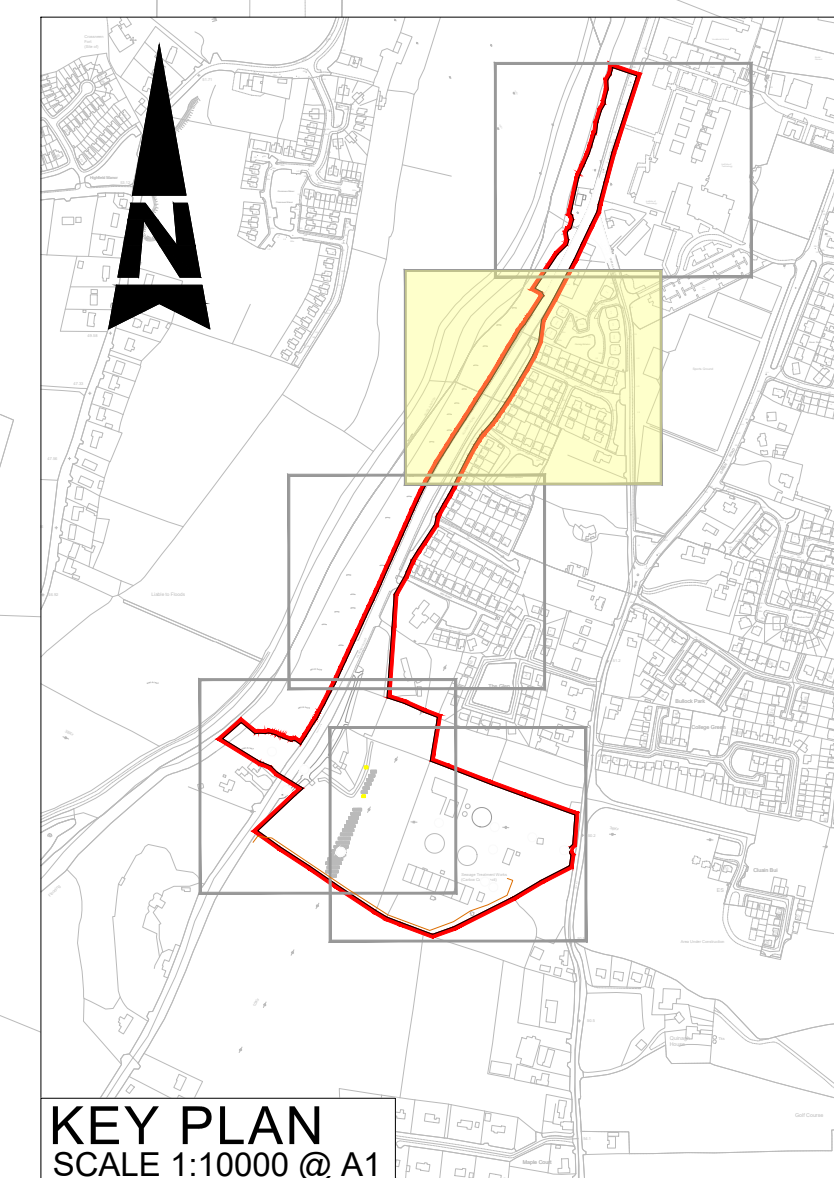
Project

MORTARSTOWN WASTEWATER TREATMENT PLANT UPGRADE

Title

PROPOSED ESB DIVERSION LAYOUT PLAN
SHEET 4 OF 5

Original Scale		Design/Drawn AMQ	Checked KA	Authorised FQ
1:500 @ A1		Date 26.05.26	Date 26.05.26	Date 26.05.26
Status	Drawing Number			Rev
P	5161805_EWE_DR_MOR_5528			0





KEY PLAN
SCALE 1:10000 @ A1

- NOTE:
1. ALL WORKS ASSOCIATED WITH THE DIVERSION OF THE EXISTING OVERHEAD POWER CABLES OFF THE SITE SHALL BE CARRIED OUT BY ESB NETWORKS

 **AtkinsRéalis**

DUBLIN | CORK | GALWAY | DUNDALK

ATKINS HOUSE, 150 AIRSIDE BUSINESS PARK,
SWORDS, DUBLIN, K67 K5W4.

Tel : +353 1 810 8000 Email : info.ie@atkinsrealis.com

			
Project MORTARSTOWN WASTEWATER TREATMENT PLANT UPGRADE			
Title PROPOSED ESB DIVERSION LAYOUT PLAN SHEET 5 OF 5			
Original Scale 1:500 @ A1	Design/Drawn AMQ Date 26.05.26	Checked KA Date 26.05.26	Authorised FQ Date 26.05.26
Status P	Drawing Number 5161805_EWE_DR_MOR_5529		Rev 0