



APPENDIX 4-2

**SITE LAYOUT PLANNING
DRAWINGS**

COORDINATES
 IRISH GRID COORDINATES: E= 293992, N= 239166
 ITM COORDINATES: E= 693923, N= 739192

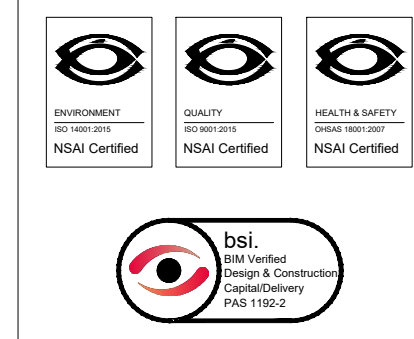
LANDS SITUATED IN CO. KILDARE

SITE LOCATION
 SCALE: 1:2000

PLANNING DRAWING.
 NOT FOR CONSTRUCTION.
 ALL LEVELS GIVEN ARE
 RELATIVE TO ORDNANCE DATUM.
 THIS DRAWING HAS BEEN ISSUED FOR INFORMATION
 PURPOSES ONLY AND MUST NOT BE USED
 FOR CONSTRUCTION UNDER ANY CIRCUMSTANCES

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- THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER ARCHITECTURAL AND ENGINEERING DRAWINGS AND ALL OTHER RELEVANT DRAWINGS AND SPECIFICATIONS.
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Rev No.	Date	Revision Note	Drn by	Chkd by	Rev No.	Date	Revision Note	Drn by	Chkd by
P01	15/10/21	SUITABLE FOR INFORMATION	RM	MK					
P02	01/12/21	SUITABLE FOR INFORMATION	RM	SMG					
P03	07/12/21	SUITABLE FOR STAGE APPROVAL	RM	SMG					
P04	11/08/22	FOR PLANNING	RM	WM					

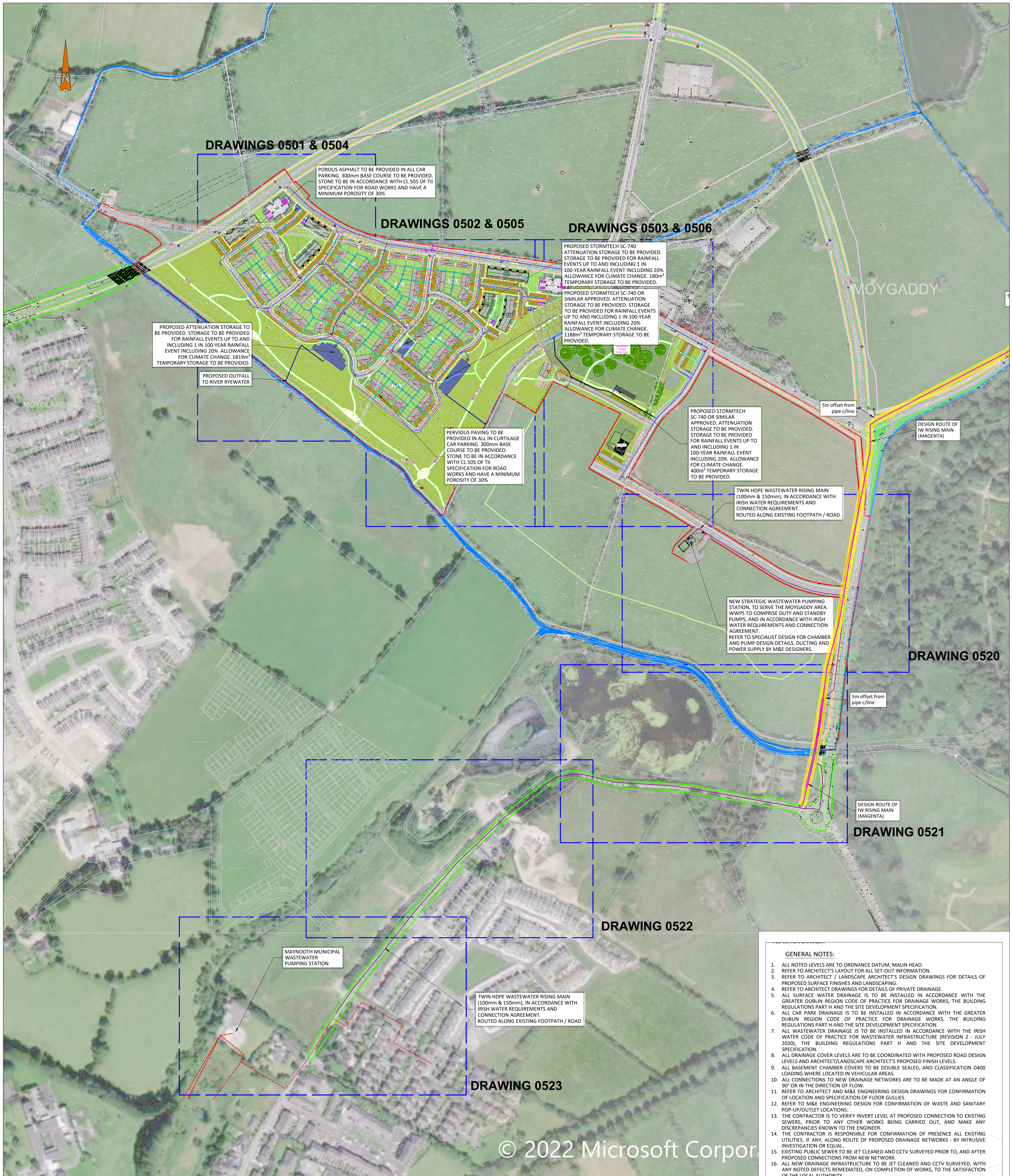


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Client: SKY CASTLE LTD
 Project: MOYGADDY CASTLE SHD
 Title: SITE LOCATION
 Code | Originator | Zone | Level | Type | Role | Number | Status | Revision
 S665 · OCSC · 1C · MH · DR · C · 0100 · S4 · P04
 Date: OCT '21 Scale: 1:2500@ A1 Drn by:RM Chkd by:MK Aprvd by:MK



DRAWINGS 0501 & 0504

POROUS ASPHALT TO BE PROVIDED IN ALL CAR PARKING. 300mm BASE COURSE TO BE PROVIDED. STONE TO BE IN ACCORDANCE WITH CL 505 OF TII SPECIFICATION FOR ROAD WORKS AND HAVE A MINIMUM POROSITY OF 30%

DRAWINGS 0502 & 0505

DRAWINGS 0503 & 0506

PROPOSED ATTENUATION STORAGE TO BE PROVIDED. STORAGE TO BE PROVIDED FOR RAINFALL EVENTS UP TO AND INCLUDING 1 IN 100-YEAR RAINFALL EVENT INCLUDING 20% ALLOWANCE FOR CLIMATE CHANGE. 1835m³ TEMPORARY STORAGE TO BE PROVIDED.

PROPOSED OUTFALL TO RIVER RYE WATER

PROPOSED STORMTECH SC-740 ATTENUATION STORAGE TO BE PROVIDED. STORAGE TO BE PROVIDED FOR RAINFALL EVENTS UP TO AND INCLUDING 1 IN 100-YEAR RAINFALL EVENT INCLUDING 20% ALLOWANCE FOR CLIMATE CHANGE. 180m³ TEMPORARY STORAGE TO BE PROVIDED.

PROPOSED STORMTECH SC-740 OR SIMILAR APPROVED. ATTENUATION STORAGE TO BE PROVIDED FOR RAINFALL EVENTS UP TO AND INCLUDING 1 IN 100-YEAR RAINFALL EVENT INCLUDING 20% ALLOWANCE FOR CLIMATE CHANGE. 1188m³ TEMPORARY STORAGE TO BE PROVIDED.

PERVIOUS PAVING TO BE PROVIDED IN ALL IN-CURTLAGE CAR PARKING. 300mm BASE COURSE TO BE PROVIDED. STONE TO BE IN ACCORDANCE WITH CL 505 OF TII SPECIFICATION FOR ROAD WORKS AND HAVE A MINIMUM POROSITY OF 30%

PROPOSED STORMTECH SC-740 OR SIMILAR APPROVED. ATTENUATION STORAGE TO BE PROVIDED FOR RAINFALL EVENTS UP TO AND INCLUDING 1 IN 100-YEAR RAINFALL EVENT INCLUDING 20% ALLOWANCE FOR CLIMATE CHANGE. 400m³ TEMPORARY STORAGE TO BE PROVIDED.

TWIN HDPE WASTEWATER RISING MAIN (100mm & 150mm), IN ACCORDANCE WITH IRISH WATER REQUIREMENTS AND CONNECTION AGREEMENT. ROUTED ALONG EXISTING FOOTPATH / ROAD

NEW STRATEGIC WASTEWATER PUMPING STATION, TO SERVE THE MOYGADDY AREA. WWPS TO COMPRISE DUTY AND STANDBY PUMPS, AND IN ACCORDANCE WITH IRISH WATER REQUIREMENTS AND CONNECTION AGREEMENT. REFER TO SPECIALIST DESIGN FOR CHAMBER AND PUMP DESIGN DETAILS, DUCTING AND POWER SUPPLY BY M&E DESIGNERS.

DRAWING 0520

DRAWING 0521

DRAWING 0522

DRAWING 0523

MAYNOOTH MUNICIPAL WASTEWATER PUMPING STATION

TWIN HDPE WASTEWATER RISING MAIN (100mm & 150mm), IN ACCORDANCE WITH IRISH WATER REQUIREMENTS AND CONNECTION AGREEMENT. ROUTED ALONG EXISTING FOOTPATH / ROAD

- GENERAL NOTES:**
- ALL NOTED LEVELS ARE TO ORDNANCE DATUM, MALIN HEAD.
 - REFER TO ARCHITECT'S LAYOUT FOR ALL SET-OUT INFORMATION.
 - REFER TO ARCHITECT / LANDSCAPE ARCHITECT'S DESIGN DRAWINGS FOR DETAILS OF PROPOSED SURFACE FINISHES AND LANDSCAPING.
 - REFER TO ARCHITECT DRAWINGS FOR DETAILS OF PRIVATE DRAINAGE.
 - ALL SURFACE WATER DRAINAGE IS TO BE INSTALLED IN ACCORDANCE WITH THE GREATER DUBLIN REGION CODE OF PRACTICE FOR DRAINAGE WORKS, THE BUILDING REGULATIONS PART H AND THE SITE DEVELOPMENT SPECIFICATION.
 - ALL CAR PARK DRAINAGE IS TO BE INSTALLED IN ACCORDANCE WITH THE GREATER DUBLIN REGION CODE OF PRACTICE FOR DRAINAGE WORKS, THE BUILDING REGULATIONS PART H AND THE SITE DEVELOPMENT SPECIFICATION.
 - ALL WASTEWATER DRAINAGE IS TO BE INSTALLED IN ACCORDANCE WITH THE IRISH WATER CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE (REVISION 2 - JULY 2020), THE BUILDING REGULATIONS PART H AND THE SITE DEVELOPMENT SPECIFICATION.
 - ALL DRAINAGE COVER LEVELS ARE TO BE COORDINATED WITH PROPOSED ROAD DESIGN LEVELS AND ARCHITECT/LANDSCAPE ARCHITECT'S PROPOSED FINISH LEVELS.
 - ALL BASEMENT CHAMBER COVERS TO BE DOUBLE SEALED, AND CLASSIFICATION D400 LOADING WHERE LOCATED IN VEHICULAR AREAS.
 - ALL CONNECTIONS TO NEW DRAINAGE NETWORKS ARE TO BE MADE AT AN ANGLE OF 90° OR IN THE DIRECTION OF FLOW.
 - REFER TO ARCHITECT AND M&E ENGINEERING DESIGN DRAWINGS FOR CONFIRMATION OF LOCATION AND SPECIFICATION OF FLOOR GULLIES.
 - REFER TO M&E ENGINEERING DESIGN FOR CONFIRMATION OF WASTE AND SANITARY POP-UP/OUTLET LOCATIONS.
 - THE CONTRACTOR IS TO VERIFY INVERT LEVEL AT PROPOSED CONNECTION TO EXISTING SEWERS. PRIOR TO ANY OTHER WORKS BEING CARRIED OUT, AND MAKE ANY DISCREPANCIES KNOWN TO THE ENGINEER.
 - THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMATION OF PRESENCE ALL EXISTING UTILITIES, IF ANY, ALONG ROUTE OF PROPOSED DRAINAGE NETWORKS - BY INTRUSIVE INVESTIGATION OR EQUAL.
 - EXISTING PUBLIC SEWER TO BE JET CLEANED AND CCTV SURVEYED PRIOR TO, AND AFTER PROPOSED CONNECTIONS FROM NEW NETWORK.
 - ALL NEW DRAINAGE INFRASTRUCTURE TO BE JET CLEANED AND CCTV SURVEYED, WITH ANY NOTED DEFECTS REMEDIATED, ON COMPLETION OF WORKS, TO THE SATISFACTION OF THE LOCAL AUTHORITY.
 - WHERE MANHOLE COVERS ARE TO BE LOCATED IN SOFT LANDSCAPED/GRASS AREAS, TO ENSURE THAT MANHOLE COVERS ARE IDENTIFIABLE, ACCESSIBLE AND WILL NOT BECOME OVERGROWN. COVERS ARE TO BE SURROUNDED BY A CONCRETE PLINTH, 200MM ALL ROUND AND 100MM DEEP FORMED WITH C20/25 CONCRETE, 20MM AGGREGATE SIZE, BEDDED IN CLAUSE 804 MATERIAL.

LEGEND:

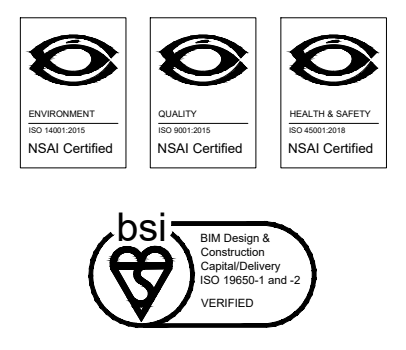
SITE BOUNDARY (CO. MEATH)	Red line
SITE BOUNDARY UNDER SEPARATE APPLICATION	Blue line
WORKS WITHIN CO. KILDARE	Green line
MASTER PLAN BOUNDARY	Yellow line
TWIN HDPE RISING MAIN	Blue dashed line
UPVC SN8 WASTEWATER DRAINAGE OR SIMILAR APPROVED	Orange dashed line
1200mm Ø WASTEWATER DRAINAGE PRECAST CONCRETE MANHOLE	Orange circle with '77'
UPVC SN8 WASTEWATER DRAINAGE SERVICE CONNECTION	Orange dashed line with '150mm'
600mm x 600mm WASTEWATER DRAINAGE INSPECTION CHAMBER	Orange square with '77'

LEGEND:

SITE BOUNDARY	Red line
UPVC TWINWALL SURFACE WATER DRAINAGE OR SIMILAR APPROVED	Blue dashed line
1200mm Ø SURFACE WATER DRAINAGE PRECAST CONCRETE MANHOLE	Blue circle with '77'
UPVC TWINWALL PERFORATED SURFACE WATER DRAINAGE OR SIMILAR APPROVED	Blue dashed line with '150mm'
FILTER DRAIN	Blue dashed line with '150mm'
SURFACE WATER ATTENUATION	Blue hatched pattern
PERVIOUS PAVING	Yellow hatched pattern
POROUS ASPHALT	Orange hatched pattern
KLARGESTER CLASS I "BYPASS NSBP NSBE / FULL RETENTION NSPP NSFA" FUEL SEPARATOR	Circle with 'S'

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P03	07/12/22	SUITABLE FOR STAGE APPROVAL	RM	SMG
P04	04.08.22	SUITABLE FOR INFORMATION	EH	MK
P05	10.08.22	SUITABLE FOR INFORMATION	EH	MK
P06	16.08.22	SUITABLE FOR INFORMATION	ZB	MK



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Client: SKY CASTLE LTD.
Project: MOYGADDY CASTLE SHD

Title: PROPOSED DRAINAGE LAYOUT MASTERPLAN

Code | Originator | Zone | Level | Type | Role | Number | Status | Revision
S665 - OCSC - 1C - XX - DR - C - 0500 | S4 | P06

Date: OCT'21 Scale: 1:1250@ A1 Drn by:RM Chkd by:MK Aprvd by:MK

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