PROJECT NAME: Proposed Housing Development at Cullagh More, Carney, Co. Sligo



Page 1 of 1

CLIENT: Sligo County Council

SUBJECT:

Civil & Structural Services

CONSULTING ENGINEERS PROJECT NO: SHEET: 6972-REG.0001 CLIENT PROJECT NUMBER:

23803

6972

REGISTER & RECORD OF DRAWINGS/ DOCUMENTS ISSUED

	DISTRIBUTION												
CATEGORY ORGANISATION CONTACT NAME			GI										
Client	Sligo County Council	C. McC	Cann										
Architect	Hamilton Young Architects	Fergus I	Doyle			EM							
STATUS: D=DRAFT, IN=IN C=CONSTRUCTION,	NFORMATION, CT=COMMENTS, AR=AS REQUESTED, FA= F	FOR APPROVAL, T=T	ENDER,			AR							
STAGE: F=FEASIBILTY, D	DS=DESIGN STAGE, PL=PLANNING, FSC= FIRE CERT, DAC=	= DISABILTY CERT, T	F=TENDER,	,	1	PL							
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	CIVILS												
6972-JOD-XX-ZZ-DR-C- 200-001	CIVILS PROPOSED STORM AND FOUL WATER L	LAYOUT	A1	A.S	P.01	P.01							
6972-JOD-XX-ZZ-DR-C- 200-001 6972-JOD-XX-ZZ-DR-C- 200-002	CIVILS PROPOSED STORM AND FOUL WATER L PROPOSED STORM SEWER AND CULVERT	LAYOUT	A1 A3	A.S A.S	P.01 P.01	P.01 P.01							
6972-JOD-XX-ZZ-DR-C- 200-001 6972-JOD-XX-ZZ-DR-C- 200-002 6972-JOD-XX-ZZ-DR-C- 200-003	CIVILS PROPOSED STORM AND FOUL WATER L PROPOSED STORM SEWER AND CULVERT PROPOSED FOUL WATER SEWER SECT	LAYOUT SECTIONS STIONS	A1 A3 A3	A.S A.S A.S	P.01 P.01 P.01	P.01 P.01 P.01							
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	NOTES
EWATER PIPE WORK SHALL BE INSTALLED IN NCE WITH I.W. STD-WW-05, STD-WW-06, AND 6A REGARDING SEPARATION S.WHERE SEPARATION DISTANCES CANNOT /ED, PIPES SHALL BE SURROUND IN LEAN MIX E.	 GENERAL NOTES: 1 FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING. 2 ALL DRAWINGS TO BE CHECKED BY THE CONTRACTOR ON SITE. 3 ENGINEER TO BE INFORMED OF ANY DISCREPANCIES BEFORE ANY WORK COMMENCES. 4 THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS AND SPECIFICATIONS.
IONS FROM FOUL AND SURFACE WATER ITHIN INDIVIDUAL PROPERTIES IN	LEGEND
H WATER CODE OF PRACTICE AND STANDARD	SITE BOUNDARY shown thus
ER DROP MANHOLES TO BE INSTALLED TO IW	PROPOSED 1200MM D400 STORM MANHOLE shown thus
2. NWALL PIPES TO BE USED FOR ALL STORM PES UNLESS OTHERWISE SPECIFIED. ALL	PROPOSED 1200MM D400 STORM CULVERT MANHOLE WITH SUMP/SILT TRAP shown thus
YER PIPES TO BE IN ACCORDANCE WITH IRISH DDES OF PRACTICE.	PROPOSED STORM WATER NETWORK
R APPROVED AND HAPAS (HIGHWAYS RODUCT APPROVAL SCHEME) OR SIMILAR	PROPOSED 1200MM D400 FOUL MANHOLE shown thus
9m COVER TO THE ROADWAY CANNOT BE , PIPES SHALL BE SURROUNDED IN LEAN MIX	PROPOSED SURFACE WATER CONNECTIONS shown thus
E.	PROPOSED FOUL WATER CONNECTIONS
N	PROPOSED STORM/FOUL WATER AJs shown thus
	PROPOSED STORM/FOUL WATER BOUNDARY BOX TO IW-STD-WW-13 C C C C C C C C C C C C C C C C C C C
	PROPOSED ROAD GULLIES shown thus
	EXISTING STORM WATER PIPE shown thus
	SURROUNDED IN LEAN MIX CONCRETE SV SV TO IW-STD-WW-08 TYPE D SURROUND shown thus
	PROPOSED 225MM PERFORATED PIPE
	Red Line Area:- 10,844 m ² 1.084 Hectares
Carney V	ITM Co-Ordinates of site:- 565696, 843573 Irish Grid Co-Ordinates: 565696, 843573 165737, 343569 Ordnance Survey Ireland Licence No.CYAL50313915 © Ordnance Survey of Ireland/Government of Ireland. OS Ireland Map No. 0848-C, 0848-D Ordnance National Mapping Agency
	P.02Site layout amendedPCEMEM18.01.24P.01Issued for SECTION 179a PLANNINGPCEMEM16.01.24Rev.ModificationsByChkd AprvdDateLayout Ref.:Image: Comparing 200 Drawings 202 Drawings 20
	File WIP/Section 179a Drawings/6972-JOD-XX-ZZ-DR-C-200-001 SW
	Client Sligo County Council Comhairle Chontae Shligigh Project
8	PROPOSED HOUSING DEVELOPMENT AT CULLAGH MORE, CARNEY, CO. SLIGO
ISTING	Stage SECTION 179a PI ANNING
OOMM PIPE SURROUNDED CONCRETE	Title PROPOSED STORM AND FOUL WATER LAYOUT
S_EXIST_1	Scale
	1:400 @ A1 Surveyed Drawn Checked Date
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	Drawing No. Revision 6972-JOD-XX-ZZ-DR-C-200-001 P.02









S0,3a Vert exaggeration = 5.0 Datu<u>m = 8.0</u> Link Name Section Typ Slope Cover Level Invert Leve

Length





NOTE: CONTRACTOR IS TO REFER TO REVISION 4 OF THE IRISH WATER STANDARD DETAILS DATED JULY 2020 FOR WASTEWATER INFRASTRUCTURE DETAILS.



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D 01		CECTION 47			-		
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DO NOT SCALE - IF IN DOUBT ASK GRATE NOTES All dimensions in mm, unless otherwise stated. All dimensions are nominal and may vary within manufacturing 2. tolerances. All site temporary enabling works by others. 3 Graf products to be installed in strict accordance with Graf recommendations This drawing is intended for guidance only. Confirmation of the 5. suitability for a particular project should be sought from the consulting engineers prior to final design or commencement of any construction works CONCRETE VENT PIPE NOTE : THIS PRODUCT MAY BE SUBSTITUTED BY A SIMILAR AND EQUAL PRODUCT TO THE APPROVAL OF THE ENGINEER AND CLIENT ECOBLOC MAXX (OR SIMILAR AND EQUAL APPROVED) Crate Baseplat Dimensions (mm) 800 x 800 x 350 800 x 800 x 40 Gross Volume (m3) 0.225m³ 0.025m³ Net Volume (m3) [′] 0.217m³ 0.020m Material Polypropylene Polypropylene Weight 4kg 9kg Void Ratio >96% depending on number of layers Yes, when combined with EcoBloc Flex Inspectable P.01 Issued for SECTION 179a PLANNIN EM 16.01.24 by chkd date rev modification file P:Uod-jobs/6972 Carney Housing/700 Drawings/703 Planning/01 WIP/Section 179a Drawings/6972-JOD-XX-ZZ-DR-C-200-004-006 Attenuation Tank Details.dwg client SLIGO COUNTY COUNCIL project PROPOSED HOUSING DEVELOPMENT AT CULLAGH MORE, CARNEY, CO. SLIGO stage SECTION 179a PLANNING title PROPOSED ATTENUATION TANK DETAIL - SHEET 1 OF 3 scale AS STATED @ A3 drawı checked date urveyed EM PC JAN '24 C COPYRIGHT OF JENNINGS O'DONOVAN & PARTNERS CONSULTING ENGINEERS, FINISKLIN, SLIGO, IRELAND. TEL. +353 (0)71 916 1416 FAX. +353 (0)71 916 1080 Email: info@jodireland. drawing no. evision 6972-JOD-XX-ZZ-DR-C-200-004 P.01



	-
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9	INSTALLATION METHOD FOR GRAF ECOBLOC SYSTEM (OR SIMILAR AND EQUAL APPROVED) :-
	 a) Excavate the trench with a safe batter (or stepped) ensuring the footprint allows for sufficient space between tank and the sides. (minimum 500mm around all sides of the state of the state of the s
	 b) Mark out the position of the tank including inlets and outlets. c) Lay min. 80mm of single sized non angular stone (8 to form) as a base for the tank. This can be laid to a maximum fall of 1°.
	 a) Lay the Geotextile over the base the excavation, overlapping any joins by a minimum of 300mm
	b) Lay the Membrane on top of the Geotextile over the base and up the sides of the trench. c) Membrane must be joined by thermal fusion heated wedge welding. It is commended that the Dural Same monthed is unclean by his parentees as uncleantees.
	recommended use the cursi sear interior is used as unsignerates and unrecedu channel which can be pressured with air to check the integrity of the weld. d) The membrane and geotextile used must meet the specification stated on the drawing.
	 a) Assemble EcoBloc Maxx Crate and Baseplate, position leg ends into corresponding holes in the Baseplate. The crate will only fit in the correct orientation. Push down firmly to ensure Crate is located correctly. Assemble the row of EcoBloc Flex Crate with baseplates where inspection run is required. If a Vario shaft is to be included within the tank make sure the Vario Shaft base is in position located (Vario Shaft bases do not not require a crate baseplates). b) Install already assembled Crates and Baseplates onto the membrane until the first layer is complete. Insert retaining clips into each adjacent Crate. c) Check and make sure the Row of EcoBloc Flex Crates are in the correct located position where inspection run is required. d) To install the next layer of Crates remove from the stack and turn 90° and position directly above the Crate below. Push down firmly to ensure Crate is located correctly. NOTE: You will need to place an additional row of Ecobloc Maxx Baseplates directly on
	 e) Continue until all Crates have been installed, ensuring clips are used to secure each Crate. 0. El Endelctes to the clips of each Crate ku positioning the battern is place than p.
ATE OR APPROVED	 a) Fix adaptor plates to the sides of the crates in the required position for the inlet and a) Fix adaptor plates to the sides of the crates in the required position for the inlet and
PROVED	outlet pipes. b) Cut a hole in the Membrane and pull up over the adaptor plate sealing the membrane around the spigot of the adaptor plate.
	 c) Pull Membrane up around the sides and fully wrap the crates, securing the lid in place by heated wedge welding to the side panels. d) Cover top and sides with the Geotextile covering the entire tank to protect the More than the second seco
	weinurate. e) Install vent pipe connection into the top of the tank at a suitable location. f) Backfill around the tank and for 100mm above with non-angular stone. Backfill to finished ground level with suitable material in layers.
	(g) Conflect intervolues pipes using appropriate barloseals. (h) In order to prevent sill from entering the tank it is recommended that sill traps or catchpit manholes are installed upstream of any inlet. These should be regularly maintained to avoid the buildup of any silt.
	SUBSTITUTED BY A SIMILAR AND EQUAL PRODUCT TO THE APPROVAL OF THE ENGINEER AND CLIENT
	P.01 Issued for SECTION 179a PLANNING PC EM 16.01.24
	rev. modifications by chkd date file Pluds/pbs/8972 Camey Housing/700 Drawings/703 Planning/01 WIPSection 178a Drawings/6972-JOD-XX-ZZ-DR-C-200-004-006 Amountary Text Device of the Date of the
	client SLIGO COUNTY COUNCIL
	project PROPOSED HOUSING DEVELOPMENT AT CULLAGH MORE, CARNEY, CO. SLIGO
	stage SECTION 179a PLANNING
	title PROPOSED ATTENUATION TANK DETAIL - SHEET 2 OF 3
	Surveyed drawn checked date
	PC EM JAN '24
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	drawing no. revision



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	DO NOT SCALE - IF IN DOUBT ASK
	Notice: This drawing is issued only as a guideline and is an estimate of the materials required to construct the drainage system, it should not be used for construction purposes. Graf relead LU makes no warranty or guarantee in relation to the suitability of any of the layout details shown on this drawing in relation to a particular scheme.
	 NOTES:- All dimensions in mm, unless otherwise stated. All dimensions are nominal and may vary within manufacturing tolerances. All site temporary enabling works by others. Graf products to be installed in strict accordance with Graf recommendations. This drawing is intended for guidance only. Confirmation of the suitability for a particular project should be sought from the consulting engineers prior to final design or commencement of any construction works.
	NOTE : THIS PRODUCT MAY BE SUBSTITUTED BY A SIMILAR AND EQUAL PRODUCT TO THE APPROVAL OF THE ENGINEER AND CLIENT
	VARIO 800 TYPE 1 (OR SIMILAR AND EQUAL APPROVED)
	Dimensions (mm) 800 x 800 x 355 Weight 14kg Volume 230 (litres) VARIO 800 TYPE 2 (OR SIMILAR AND EQUAL
	APPROVED) Dimensions (mm) 800 x 800 x 660 Weight 24kg Volume 420 (litres)
2	VARIO 800 BASE/COVER SET (OR SIMILAR AND EQUAL APPROVED) Dimensions (mm) 800 x 800 x 100
	P.01 Issued for SECTION 179a PLANNING PC EM 16.01.24 rev. modifications by chkd date
	file PUdd-jobs/6972 Camey Housing/700 Drawings/703 Planning/01 WIP/Section 178a Drawings/6972-JOD-XX-ZZ-DR-C-200-004-006 Alternation Tark Details dwg
	client SLIGO COUNTY COUNCIL project PROPOSED HOUSING DEVELOPMENT AT CULLAGH MORE, CARNEY, CO. SLIGO
	stage SECTION 179a PLANNING title PROPOSED ATTENHATION TANK DETAIL SHEET 3 OF 3
	scale AS STATED @ A3
	surveyed drawn checked date PC EM JAN '24
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	drawing no. revision 6972-JOD-XX-ZZ-DR-C-200-006 P.01



	NOTES
	 GENERAL NOTES: 1 FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING. 2 ALL DRAWINGS TO BE CHECKED BY THE CONTRACTOR ON SITE. 3 ENGINEER TO BE INFORMED OF ANY DISCREPANCIES BEFORE ANY WORK COMMENCES. 4 THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS AND SPECIFICATIONS.
T	LEGEND
	SITE BOUNDARY shown thus WATERMAIN SUPPLY Ø 110mm OUTSIDE DIAMETER PE100, PIPE MATERIAL SHALL BE IN COMPLIANCE WITH IRISH WATER
	SECTION 3.9 OF THE CODE OF PRACTICE. PROPOSED WATER SUPPLY CONNECTION WITH BOUNDARY BOX TO I.W. STD-W-03 shown thus
	FIRE HYDRANT TO I.W. STD-W-18 shown thus (3 No. Hyd)
	SLUICE VALVE TO I.W. STD-W-15-2 shown thus (14 No. SV's)
	SCOUR VALVE TO I.W. STD-W-30B shown thus (2 No. SC.v's)
	BYPASS FLOW METER TO STD-W-26F shown thus
	DOUBLE AIR VALVE TO I.W. STD-W-22
	HYDRANT 46M RADIUS shown thus
	marked thus
	PROPOSED ROAD LEVELS
	Pod Lino Aroo:
	10,844 m ² 1.084 Hectares
	ITM Co-Ordinates of site:- 565696, 843573 Irish Grid Co-Ordinates: 165737, 343569 Ordnance Survey Ireland Licence No.CYAL50313915 © Ordnance Survey of Ireland/Government of Ireland. OS Ireland Map. No
	0848-C, 0848-D
	P.02Site tayout amendedPCEmEm18.01.24P.01Issued for SECTION 179a PLANNINGPCEMEM16.01.24Rev.ModificationsByChkd AprvdDate
	Layout Ref.: P:\Jod-jobs\6972 Carney Housing\700 Drawings\703 Planning\01 File WIP\Section 179a Drawings\6972-JOD-XX-ZZ-DR-C-200-007 WM
	Client Sligo County Council Comhairle Chontae Shligigh
	Project
9.8	AT CULLAGH MORE, CARNEY, CO. SLIGO
	SECTION 179a PLANNING
	Title PROPOSED WATERMAIN LAYOUT
	Scale 1:400 @ A1
	SurveyedDrawnCheckedDateOSIPCEMJAN '24
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	Drawing No. Revision 6972-JOD-XX-ZZ-DR-C-200-007 P.02









NOTES

- GENERAL NOTES:
- FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING.
 ALL DRAWINGS TO BE CHECKED BY THE CONTRACTOR ON SITE.
 ENGINEER TO BE INFORMED OF ANY DISCREPANCIES BEFORE ANY WORK COMMENCES.
- ANY WORK COMMENCES.4 THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS AND SPECIFICATIONS.

LEGEND

	Phoenix Phoenix verall verall verall Min Bod Lock-to Curb	2 Duo (P2-12) Width Body Height y Ground Clear Width D-lock time o Curk Turning	with Elithance Radius		24 ch 200m 230m 251m 204m 205 205 300m	assis)	,			
LEGEND										
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sho VEI	wn thus HICLE WF	IEEL SWEPT P	АТН							
sho	wn thus			\sum	///		$\overline{7}$			
P.02	Site layou	ut amended		PC	EM	EM	18.01.24			
Rev.	Modificat	ions	FLANNING	By	Chkd	Aprvd	Date			
Layout Ref.: File P:\Jod-jobs\6972 Carney Housing\700 Drawings\703 Planning\01 WIP\Section 179a Drawings\6972-JOD-XX-ZZ-DR-C-200-010 Road Layout-Autotrack dwg Client Sligo County Council Comhairle Chontae Shligigh Project PROPOSED HOUSING DEVELOPMENT										
SL	IGO		-							
Sta SF	ge CTION	17 <u>9</u> a PL		G						
Titl PR PA	e COPOS TH AN	ED ROAD ALYSIS	LAYOU	UT -	SW	'EPT	-			
Sca 1·4	le .00 @	Δ1								
Surv	eyed	Drawn PC	Check EM	ed	Da JA	ate N '24	1			
© COPYRIGHT OF JENNINGS O'DONOVAN & PARTNERS CONSULTING ENGINEERS, FINISKLIN, SLIGO, IRELAND. TEL. +353 (0)71 916 1416 FAX. +353 (0)71 916 1080 Email: info@jodireland.com										
Drav 697	ving No. 2-JOD-	XX-ZZ-DR-	C-200-	010		Re	evision P.02			





1.2M HIGH RC RETAINING WALL WITH BLOCKWORK WALL ON TOP (Type 02)



HIGH RETAINING WALL (Type 02) Scale 1:25





2 1 NO. LAYER OF A393 MESH







Boundary Types					
	Retaining wall 1.25m-1.50m				
	Retaining wall 1.05m-1.20m				
	Retaining wall 0.85m-1.00m				
	Retaining wall 0.45m-0.80m				
	Non-retaining masonry wall				
	Non-retaining fence per Architect				

	NOTES	
NERAL FIGURED ALL DRAV ENGINEE INFORME WORK CO THE CON ACTUAL L GROUND, ALL LEVE HEAD THIS DRA RELEVAN THE ACCI MINOR CO TIMEFRA	NOTES: DIMENSIONS ONLY TO BE TAKEN FROM THIS I WINGS TO BE CHECKED BY THE CONTRACTOR OF R/EMPLOYERS REPRESENTATIVE, AS APPROPE D BY THE CONTRACTOR OF ANY DISCREPANCI OMMENCES TRACTOR SHALL UNDERTAKE A THOROUGH OF LOCATION OF ALL SERVICES/UTILITIES, ABOVE , BEFORE ANY WORK COMMENCES LS SHOWN RELATE TO ORDNANCE SURVEY DA WING IS TO BE READ IN CONJUNCTION WITH A IT DRAWINGS AND SPECIFICATIONS. CONTRAC' URACY OF THIS PROPOSAL TO THE ENGINEER ORRECTIONS AS DEEMED NECESSARY WITH A ME.	DRAWING. ON SITE RIATE, TO BE ES BEFORE ANY CHECK FOR THE AND BELOW ATUM AT MALIN LL OTHER TOR TO VERIFY AND ALLOW FOR REASONABLE
	NOTES	
NOTE EACH	E: ALLOWANCE TO BE MADE FOR EXPANSION JO H CHANGE IN DIRECTION OF THE RETAINING W/	OINTS AT ALLS
REIN	FORCEMENT NOTES:	
1. 2.	ALL REINFORCED SCHEDULED AS PER BS 866 COVER TO MAIN REINFORCEMENT OF STRUCT ELEMENTS TO BE AS FOLLOWS U.N.O:	6:2005 TURAL
	BOTTOM & SIDES OF BASE OTHER FACES IN CONTACT WITH GROUND ANY OTHER FACE	75MM 50MM 40MM
3.	ALL CONCRETE TO CIVIL/STRUCTURAL ENGIN SPECIFICATION	EERS
4.	MILL AND TEST CERTIFICATES FOR REINFORCE TO BE SUPPLIED TO THE ENGINEER AS DIREC	EMENT TED
5	$\begin{array}{llllllllllllllllllllllllllllllllllll$	ENT
6.	LAPPING H10 BARS TO BE 500MM	
7.	EXPOSURE CLASS TO BE XF1 FOR VERTICAL SURFACES AND XF3 FOR HORIZONTAL SURFA	CES

P.02	Site layout amended			PC	EM	18.01.24
P.01	issued for SECTION 179a PLANNING			SA	EM	16.01.24
rev.	modifications			by	chkd	date
Layo	ut Ref.:					
file P:\Jod-jobs\6972 Carney Housing\700 Drawings\703 Planning\01 WIP\Section 179a Drawings\6972-JOD-XX-ZZ-DR-C-200-011-012 Boundary Treatment And Retaining Wall Detail.dwg						
clie	nt		Sligo County Count	cil		

Sligo County Council

project PROPOSED HOUSING DEVELOPMENT AT CULLAGH MORE, CARNEY, CO. SLIGO

stage

SECTION 179a PLANNING

title PROPOSED RETAINING WALLS DETAILS

CONCRETE TO BE GRADE C30/37 (CHARACTERISTIC STRENGTH - 37N/mm) MAXIMUM SIZE OF AGGREGATE - 20mm) IN ACCORDANCE WITH IS EN 206

ALL CONCRETE THROUGHOUT THE WORKS SHALL HAVE MIN. CEMENT CONTENT OF 320 kg/m³ AND A MAX. WATER / CEMENT RATIO OF 0.55, AND MEET **REQUIREMENTS OF IS EN 206**

ALL CONCRETE SHALL BE DESIGNED FOR EXPOSURE CLASSES XC4, XD1, XF3 AND XA1 IN ACCORDANCE WITH IS EN 206 PART 1

CONSTRUCTION JOINTS (LOCATIONS TO BE AGREED WITH THE ENGINEER) AFTER SETTING AND PRIOR TO HARDENING OF CONCRETE, THE SURFACE OF THE JOINT SHALL BE SPRAYED WITH WATER AND

BRUSHED TO REMOVE THE OUTER SKIN EXPOSING BUT NOT DISTURBING THE LARGER AGGREGATE MINIMUM COVER TO REINFORCEMENT TO BE 45mm UNLESS OTHERWISE NOTED.

MINIMUM LAPS TO REINFORCEMENT MESH=400. B10 -500; B12 - 600; B16 - 800; B20 - 1000; B25 - 1250; B32 -

NOTATION: T. TOP B. BOTTOM N.F. NEAR FACE F.F. FAR FACE A.B.R. ALTERNATE BARS REVERSED stg. STAGGERED E.F. EACH FACE O.F. OUTER FACE I.F. RETAINING WALL TO BE POURED IN 6m LONG

SECTIONS WITH EXPANSION JOINTS AT 6m c/c.

scale						
As Stated @ A1						
surveyed	drawn	checked	date			
	SA	EM	JAN '24			
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CONSULT	ING ENGINE	FRS.				
FINISKLIN						
SLIGO.	,					
IRELAND.						
TEL. +353 (0)7	1 916 1416					
FAX. +353 (0)7	1 916 1080					
Email: info@jo	direland.com					
drawing no.			revision			
6972-JOD-XX-ZZ-DR-C-200-011 P.02						



MOVEMENT JOINT IN SINGLE LEAF WALL. SCALE 1:10



FOUNDATION

Scale 1:20

215mm SOLID BLOCKWORK.

DPC FULLY EMBEDED

650mm W x 300mm Dp. RC C28/35 STRIP FOUNDATION EXPOSURE CLASS XC2.



Scale 1:20













2 No. hollow blocks with R.C. core @ Ctrs-4 as specified on relevant Engineer's drawing, filled as work progresses provide expansion joints at 7.2M c/c.



ISOMETRIC VIEW OF HOLLOW BL PIER AT BOUNDARY WALL. Not To Scale



	NOTES
L-Bars to be connected to main structure as indicated on relevant Engineer's drawings	 <u>GENERAL NOTES:</u> 1. FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING. 2. ALL DRAWINGS TO BE CHECKED BY THE CONTRACTOR ON SITE 3. ENGINEER/EMPLOYERS REPRESENTATIVE, AS APPROPRIATE, TO BE INFORMED BY THE CONTRACTOR OF ANY DISCREPANCIES BEFORE ANY WORK COMMENCES 4. THE CONTRACTOR SHALL UNDERTAKE A THOROUGH CHECK FOR THE ACTUAL LOCATION OF ALL SERVICES/UTILITIES, ABOVE AND BELOW GROUND, BEFORE ANY WORK COMMENCES 5. ALL LEVELS SHOWN RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD 6. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS AND SPECIFICATIONS. CONTRACTOR TO VERIFY THE ACCURACY OF THIS PROPOSAL TO THE ENGINEER AND ALLOW FOR MINOR CORRECTIONS AS DEEMED NECESSARY WITH A REASONABLE TIMEFRAME.
	NOTES
	P.01 issued for SECTION 179a PLANNING PC EM 16.01.24 rev. modifications by chkd date Layout Ref.:
AUM LAP WHERE	client Sligo County Council Comhairle Chontae Shligigh project PROPOSED HOUSING DEVELOPMENT AT CULLAGH MORE, CARNEY, CO. SLIGO
TO BE GRADE C30/37 (CHARACTERISTIC - 37N/mm) MAXIMUM SIZE OF AGGREGATE	SECTION 179a PLANNING title PROPOSED BOUNDARY TREATMENT DETAILS
ETE THROUGHOUT THE WORKS SHALL CEMENT CONTENT OF 320 kg/m ³ AND A R / CEMENT RATIO OF 0.55, AND MEET ENTS OF IS EN 206 ETE SHALL BE DESIGNED FOR EXPOSURE C4, XD1, XF3 AND XA1 IN ACCORDANCE	As Stated @ A1 surveyed drawn checked date PC EM JAN '24
206 PART 1 TION JOINTS (LOCATIONS TO BE AGREED NGINEER) AFTER SETTING AND PRIOR TO G OF CONCRETE, THE SURFACE OF THE L BE SPRAYED WITH WATER AND O REMOVE THE OUTER SKIN EXPOSING STURBING THE LARGER AGGREGATE OVER TO REINFORCEMENT TO BE 45mm HERWISE NOTED. APS TO REINFORCEMENT MESH=400. B10 - 00; B16 - 800; B20 - 1000; B25 - 1250; B32 - T. TOP B. BOTTOM N.F. NEAR FACE F.F. B.R. ALTERNATE BARS REVERSED stg. D E.F. EACH FACE O.F. OUTER FACE I.F.	© COPYRIGHT OF JENNINGS O'DONOVAN & PARTNERS CONSULTING ENGINEERS, FINISKLIN, SLIGO, IRELAND. TEL. +353 (0)71 916 1416 FAX. +353 (0)71 916 1080 Email: info@jodireland.com
	drawing no. revision 6972-JOD-XX-ZZ-DR-C-200-012 P.01







PUBLIC LIGHTING MICRO PILLAR/MINI PILLAR DETAIL 1:25 (A1)

116	
100x40	T
DIA.	2700
75x18	L
DETAIL C 1)	N.T.S. (A
TIAL STR – HOR 05 1.77 17.80	RESIDEN RESULTS Eav= 7.0 Emin= 1 Emax=

LUMINAIRE DATA LUMINAIRE A BGP702 DW50 6M POST TOP 730 MF 0.76

Client Sligo County Council County Hall, Riverside, Sligo, F91 Y763 Project Title Curraghmore Cullagh More, Carney Co. Sligo

Electrical Services Proposed Site Utility Services Public Lighting Infrastructure Layout





OF STREET LIGHTING & OCTAGONAL COLUMN

REET LIGHTING – P3 RIZONTAL ILLUMINANCE (LUX)

Emin/Emax= 0.10 Emin/Eav= 0.25 Emax/Eav= 2.52



TYPICAL POLE MOUNTED AMIENITY LUMINAIRE N.T.S. (A1)

- THE INSTALLATION SHALL BE COMPLETED IN ACCORDANCE WITH ETCI REGULATIONS, ESB NETWORKS NATIONAL CODE OF PRACTICE & LOCAL AUTHORITY REQUIREMENTS.
 WIDE RADIUS & GENTLY SWEEPING BENDS SHALL BE USED ON DUCTING SET IN CONCRETE.
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE
- CO-ORDINATION OF ALL UNDERGROUND SERVICES.
- 5. ALL DUCTING SHALL BE LOCATED IN FOOTPATHS & SOFT LANDSCAPING.
- NOT MORE THAN SIX COLUMNS SHALL BE SUPPLIED FROM ANY ONE CIRCUIT AND NOT MORE THAN FOUR CIRCUITS SHALL BE TAKEN FROM ANY ONE PUBLIC LIGHTING MICRO PILLAR.
- 7. A MINIMUM COVER OF 600mm SHALL BE PROVIDED TO DUCTING IN GRASS MARGINS WITH A MINIMUM COVER OF 750mm PROVIDED AT ROAD CROSSINGS
- 8. CABLE JOINTS WILL NOT BE PERMITTED. CABLES SHALL BE LOOPED FROM COLUMN TO COLUMN ON EACH CIRCUIT.
- 9. LIGHTING COLUMNS SHALL BE OCTAGONAL GALVANISED COLUMNS SUPPLIED BY PILTOWN ENGINEERING, LAMPOST CONSTRUCTION OR EQUAL & APPROVED. COLUMNS & COLUMN INSTALLATION SHALL COMPLY WITH DEPARTMENT OF THE ENVIRONMENT & LOCAL AUTHORITY REQUIREMENTS.
- 10. LIGHTING COLUMNS SHALL BE POSITIONED TO COINCIDE WITH PROPERTY PARTY LINES TO AVOID OBSTRUCTING ENTRANCES.
- 11. PUBLIC LIGHTING CONNECTION SHALL BE BY UNDERGROUND CABLE FROM THE NEAREST ESB NETWORKS MINIPILLAR TO THE PUBLIC LIGHTING SYSTEM MICRO-PILLAR.
- 12. AN ESB NETWORKS APPROVED MDPE 50mm OD RED CONTINUOUS SERVICE DUCT SHALL BE INSTALLED AT A DEPTH OF 600mm FROM ESB NETWORKS' MINIPILLAR VAULT, TO EACH PUBLIC LIGHTING SYSTEM MICRO-PILLAR.
- 13. ESB NETWORKS APPROVED YELLOW WARNING TAPE SHALL BE INSTALLED 300mm BELOW FINISHED GROUND LEVEL ALONG THE FULL LENGTH OF AND OVER THE DUCT.
- 14. A COMPLETION CERTIFICATE SHALL BE PROVIDED FOR THE PUBLIC LIGHTING SYSTEM FROM A CERTIFIED ELECTRICIAN.
- 15. THERE SHALL BE A SEPARATION OF AT LEAST 2 METERS BETWEEN ESB NETWORKS' MINIPILLAR AND THE PUBLIC LIGHTING SYSTEM MICROPILLAR, PUBLIC LIGHTING COLUMN OR ANY OTHER PRIVATE MICRO PILLAR.
- 16. THE CONTRACTOR IS TO ALLOW FOR THE SUPPLY AND INSTALLATION OF ACCESS CHAMBERS ON DUCTING AS REQUIRED AT CHANGES IN DIRECTION & ON DUCT RUNS IN EXCESS OF 35m
- 17. PUBLIC LIGHTING CONNECTION SHALL BE BY UNDERGROUND CABLE FROM THE NEAREST ESB NETWORKS MINIPILLAR TO THE PUBLIC LIGHTING SYSTEM MICRO-PILLAR.
- THE CONTRACTOR SHALL SUPPLY AND INSTALL A STRONG CONTINUOUS 10mm POLYPROPYLENE DRAW ROPE SECURED AT BOTH ENDS IN THE DUCT.
- THE STREET LANTERN PROPOSED WILL HAVE THE FOLLOWING: - THE LIFETIME OF THE DRIVER WILL BE IN EXCESS OF 100,000 HOURS - THE LANTERN WARRANTY TO BE 10 YEARS - AN LM REPORT/TEST CERT & DECLARATION OF CONFORMITY
- -THE PROPOSED STREET LIGHT FITTINGS WILL HAVE A WARM WHITE (730) 3000K COLOUR TEMP -A LIGHTING CONTROL REGIME CAN BE ADOPTED AS PER THE LOCAL AUTHORITY SPECIFICATION

<u>LEGEND</u>	
	1 NO. 50mmø RED SITE LIGHTING DUCT
	PUBLIC LIGHTING MICROPILLAR
A-A	LED POLE MOUNTED LUMINAIRE C/W NEMA SOCKET PHOTOCELL & 6m OCTAGONAL GALVANISED STEEL COLUMN
C [⊗] C	LED POLE MOUNTED LUMINAIRE C/W NEMA SOCKET PHOTOCELL & 6m OCTAGONAL GALVANISED STEEL COLUMN
BEACON	LED POLE MOUNTED FLASHING BEACON & 3m OCTAGONAL GALVANISED STEEL COLUMN
⊷⊕LS	EXISTING STREET LIGHT STANDARD
	PROPOSED SITE EXTENTS



TYPICAL POLE MOUNTED STREET LUMINAIRE N.T.S. (A1)





Revision	Project Drawing Reference					
P02	22814-VCE-ZZ-ZZ-DR-E-1002					
Status	Varming Project Number					
S2	22814					
Date		Checked By	Drawn By	Scale		
JULY '23		J.G.	C.G.	1:500 @ A1		