

Tenders to be submitted by

5.00pm on Monday 25th February 2008

Form of Tender, General Conditions, and drawings available from
Consulting Engineers - T G Lenihan & Co., (Bryan O'Connor) 029 20900

DEVELOPMENT FOR CHURCHTOWN G.A.A

DESCRIPTION	QUANTITY	UNIT	RATE	TOTAL
<u>1.0 Demolition (Class D)</u>				
<u>Other Structures</u>				
A. Removal of footpath to road side of building vol not exceeding 50m ³ (D521) Vol= 6.43m³		Sum		
B. Removal of bwk wall to carpark and edge of road vol not exceeding 50m ³ (D521) Vol=34.52m³		Sum		
C. Ditto to side of stand vol not exceeding 50m ³ Vol=1.37m³		Sum		
<u>2.0 Earthworks (Class E)</u>				
<u>Excavation for foundations</u>				
A. Removal & storage on site of topsoil depth 150mm (E311)	154.50	m ²		
B. Removal of material other than topsoil, rock or artificial hard material and storage on site B1. Depth between 0-1m (E323) B2. Depth between 1-2m (E324) B3. Depth between 2-5m (E325)	243 661 946	m ³ m ³ m ³		
C. Deduct ditto for graded area between stairs at side	80.15	m ³		
D. Removal of material other than topsoil, rock or artificial hard material from excavated surface to fdn level (for all strip fdn and ret wall bases) D1. Depth between 0.25-0.5m (E322)	65.10	m ³		
E. Removal of material other than topsoil, rock or artificial hard material from foundation level to pad fdn level (for pad foundations) E1. Depth between 0.25-0.5m (E323) E2. Depth between 0.5-1m (E323)	14 8.5	m ³ m ³		
<u>Excavation ancillaries</u>				
A. Excavation Ancillaries, preparation of excavated surf to foundations (E522)	248.00	m ²		

B. Excavation ancillaries, disposal of topsoil & storage on site	154.50	m ³		
C. Disposal of exc. mat. other than topsoil, rock or artificial hard material on site	1843.45	m ³		

<u>Filling</u>				
A. Filling to retaining walls with imported rock material and under seating	178.5	m ³		
B. Filling to floor slab to depth 250mm	730	m ²		
<u>3.0 In-situ concrete (Class F)</u>				
<u>Provision of concrete</u>				
A. Provision of designed mix C30/20 cement to B.S. 12 or B.S 146 (F252) approx= 245.74 m ³		m ³		
<u>Placing of concrete</u>				
A. Placing of reinforced concrete thickness between A1. 150-300mm (F622) A2. 300-500mm (F623) A3. Exceeding 500mm (F624)	204.88 8.50 14.00	m ³ m ³ m ³		
B. Placing of reinforced concrete wall thickness between 150-300mm Ext. Seating Int. Seating Retaining Wall to field Retaining Wall to road	10.82 8.55 8.31 5.68	m ³ m ³ m ³ m ³		
<u>4.0 Concrete Ancillaries (Class G)</u>				
<u>Formwork</u>				
A. Formwork rough finish plane vertical width between 0.2-0.4m (G143)	246.13	m ²		
B. Formwork fair finish plain vertical width between B1.Width 0.2-0.4m(G243) B2.Width 0.4-1.22m(G244) B3.Width exceeding 1.22m(G245)	11.88 29.56 5.84	m ² m ² m ²		
<u>Reinforcement</u>				
A. Reinforcement deformed high-yield bars to B.S 4449 A1.Nominal size 10mm (G543) A2.Nominal size 12mm (G544)	1.00 1.50	t t		
B. Reinforcement steel fabric to B.S 4483 nominal mass between 5-6kg/m ² (A393 Mesh)(G575)				

B1. To concrete floor	730.00	m ²		
B2. To foundations	78.60	m ²		
Concrete Accessories				
A. Top surface of concrete floor slab to have a power floated finish	730.00	m ²		

5.0 Precast Concrete(Class H)				
Slabs				
A. Hollowcore slabs 150mm +75mm structural screed to first floor of sports hall total area =151 (H532)			sum	
Segmental Units				
A. Precast stairs to reception area to manufacturers specification total rise 3.68m (G600)			item	
6.0 Blockwork				
100mm blockwork	310.00	m ²		
100mm forticrete blockwork	333.13	m ²		
215mm blockwork	626.00	m ²		
Roadstone lintel block	43.00	m		
7.0 Structural Metalwork(Class M)				
The weights entered in the schedule are to include for all connections, supply, deliver and erect all items. All steelwork painted unless otherwise stated.				
Sports Hall steelwork				
A Universal steel beams as floor beams				
B. Universal steel beams as tie beams				
C. Universal steel beams as eaves beams				
D. Universal steel beams as rafters				
E. Universal steel beams as stub columns				
F. Universal steel columns				
G. Universal steel columns as lattice trusses				
H. Rolled steel joists				
I. Rolled steel channels				
J. Rolled steel angles				
K. Rolled steel plates				
L. Purlins/multi purlins/slotted purlins				
M. Vertical sheeting rails				
N. Anti-sag tie rods				

O.Holding down bolts				
P.Steel structure to curtain walling				

8.0 Miscellaneous Metalwork(Class M)				
A.Canopy structure over door of sports hall and to run along length of existing stand to be constructed from stainless steel with stanchions every 3m to road side while other side to be fixed to building to also incorporate clear glass roof LENGTH =58M can be marvault see appendix A or in-situ constr.			Sum	
B.Stainless steel handrailing with architectural rope to stair case			Sum	
C.Stainless steel handrailing to glazed area of gallery			Sum	
D.Stainless steel guardrail to outside of large windows on Northern Elevation			Sum	
E. Lattice structures to pitchside façade 9No.			Sum	
9.0 Cladding(Class N)				
Roofing to sports Hall				
Sports hall to be roofed with 80mm kingspan topdeck vertically laid on multibeams with 'Colourcoat HPS200' external finish in merlin grey all flashings and gutters to have same finish and colour unless otherwise stated				
A.80mm KS1000 topdeck panel (u value 0.25 w/m2)	796.00	m ²		
B.Extra over for multi vault rooflights @ approx 15% of main roof area=655m2 see Appendix A	98.50	m ²		
C.Gutters, PVC membrane lined	80.00	m		
D.Apron flashings onto roof		m		
E.Rainwater outlets - gravity fed @ 12m centres	6.00	nr		
F.Preliminaries allowance for Health and Safety Items such as netting out and handrailing entire roof area. Plant costs such as craneage, boom lifts and scissor lifts. Site accommodation, Insurance Site Management and all other site costs.			item	
Netting to roof areas			item	
Walling to sports Hall				
Sports hall to have 60mm kingspan KS1000MM panels horizontally laid with 'Colourcoat HPS200' external finish in colours specified all flashings and gutters				

to have same finish and colour unless otherwise stated. Joint style F throughout in stated colour				
A.60mm KS1000MM (mini-micro architectural panel) in heritage green (u value 0.43 w/m2)	277.00	m ²		

B.60mm KS1000MM (mini-micro architectural panel) in sargasso (u value 0.43 w/m2)	189.00	m ²		
C.Vertical joints Type F in saffron		sum		
D.Corner Flashing in heritage green in sargasso		sum sum		
E.Window flashing		m		
E.Soffit and sill flashing		m		
F.Flashings to curtain walling	27.00	m		
G.Sundry Flashings		item		
H.Preliminaries allowance for Health and Safety Items such as netting out and handrailing entire roof area. Plant costs such as craneage, boom lifts and scissor lifts. Site accommodation, Insurance Site Management and all other site costs.		item		
J.Netting to roof areas		item		

<u>10.0 FoulSewer</u>				
A. Excavate trench and deposit excavated material on site for foul pipe; backfilling with stone				
A1. Average depth between 500-1000mm		0 m		
A2. Average depth between 1000-1500mm		16 m		
A3. Average depth between 1500-2000mm		0 m		
A4. Average depth between 2000-2500mm		0 m		
A5. Average depth between 2500-3000mm		0 m		
A6. Average depth between 3500-4000mm		0 m		
B.Lay uPVC foul water pipe including pea gravel bed and surround				
B1. 150mm Diameter		16 m		
C.Manholes complete with all necessary fittings and accessories				
C1.500-1000mm deep		0 nr		
C2.1000-1500mm deep		1 nr		
C3.1500-2000mm deep		0 nr		
C4.2000-2500mm deep		0 nr		
C5.2500-3000mm deep		0 nr		
C6.3000-3500mm deep		0 nr		

D.Bends and accessories (provisional)	10	nr		
E.Connect into existing foul water manhole (F5)	1	Sum		

11.0 Surface Water Sewer				
A. Excavate trench and deposit excavated material on site for drainage pipe; backfilling with stone				
A1. Average depth between 500-1000mm	52.24	m		
A2. Average depth between 1000-1500mm	60	m		
A3. Average depth between 1500-2000mm	32	m		
A4. Average depth between 2000-2500mm	0	m		
A5. Average depth between 2500-3000mm	0	m		
A6. Average depth between 3500-4000mm	0	m		
B.Lay uPVC surface water pipe including pea gravel bed and surround				
B1. 225mm Diameter	144.24	m		
C.Manholes complete with all necessary fittings and accessories				
C1. 500-1000mm deep	1	nr		
C2. 1000-1500mm deep	2	nr		
C3. 1500-2000mm deep	2	nr		
C4. 2000-2500mm deep	0	nr		
C5. 2500-3000mm deep	0	nr		
C6. 3000-3500mm deep	0	nr		
D. Lockable gullies with necessary concrete bed and surround	8	nr		
E.Bends and accessories (provisional)	20	nr		
F.Connect into existing surface water manhole (F5)	2	Sum		
G.Provision for gullies along main sewer line for future installation every 15m	8	nr		
H. Connection of existing rain water system for existing stand into proposed system		sum		
12.0 Windows and Doors				
Glazing				
All windows to have timber frames				
A. Interior Glazing				
A1. Large panels from gallery to sports hall 2.4mx0.92m (max allowable glass size 2.3 x 0.9m + min 50mm frame)	24.00	nr		
A2. Laminated viewing panel to hurling alley 0.9mx0.9m	1.00	nr		

B.Southern Elevation (all glazing 1hr fire resistance)				
B1. 1.5mx0.8m	2.00	nr		
B2. 2.68mx0.875m	6	nr		
B3. 3.0mx1.0m	4	nr		

C.Northern Elevation				
C1. 4.5mx1.4m with 4no panels(2No. Opening)	1	nr		
C2. 4.5mx2.1m with 4no.panels(2no. Opening)	3	nr		
C3. 2.3mx1.4m with 2no panels(1No. Opening)	1	nr		
C4. 1.33mx0.8m	4	nr		
C5. 3.95mx1.0m	1	nr		
D.Western Elevation				
D1. large curtain walled area to achieve 1 hr fire resistance and be impact absorbent including silver louvres in between rows of glazing				
		sum		

<u>Doors</u>				
All doors to have timber frame and surrounds unless otherwise stated all iron monogery for doors is deemed to be included in the quotation				
A.Eastern Elevation				
A1. Single doors with panic bolts installed 1.2mx2.2m	2	nr		
B.Western Elevation				
B1. Double timber doors with panic bolts 2.2mx1.6m	2	nr		
C.Northern Elevation				
C1. Emergency exit door top portion glazed 2.1mx1.0m	1	nr		
D.Southern Elevation				
D1. Double glazed door with stainless steel surround and stainless steel iron monogery and door light over head door sizes 2.1mx1.750m door light 0.68mx1.75m	1	nr		
E.Interior Doors				
E1. Double doors to sports hall to match glazed entrance doors to southern elevation 2.1mx1.75m (FD30s)	2	nr		
E2. Timber doors to ground and 1st floor bathrooms and shop 2.1mx0.85m (FD30s)	4	nr		
E3. Timber doors to meeting room 2.1mx1.1m (FD30s)	1	nr		

400mm	4 Number	Item		
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<p><u>B. Electrical</u> To include any electrical work relating to the fire drawing and exterior lighting</p> <p><u>C.Plumbing</u> To include for the provision of heating to the lobby/shop and to the meeting room and gallery</p> <p><u>D.Landscaping</u></p> <p><u>E.Painting and Decorating</u></p> <p><u>F.Plastic Seating</u></p> <p><u>G.Telecom Ducting</u></p> <p><u>H. ESB Ducting</u></p>		sum		
		sum		
		sum		
		sum		
		sum		
		sum		
		sum		

<u>16.0 Contingency sum</u>				€25,000
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<p><u>1.0Yardworks</u> This section is for the yardworks to both buildings which is to include for the surfacing of the car park area and the buildings</p> <p><u>1.1 Car Park</u> Scraping of existing material to reduce level to facilitate installtion of 100mm clause 804 material and 60mm tarmacadam sub-base with 40mm wearing course total depth of scraping 200mm</p> <p>Laying of 100mm clause 804 material with 60mm bitumen macadam base course and 40mm wearing course macadam</p> <p><u>1.2 Footpaths-2.6m wide</u> 150mm imported hardcore 50mm sand blinding Grade 25N concrete Formwork to edges of concrete</p>		2398 m ²		
		2398 m ²		
		52 m		

<u>1.3 Footpaths-2.0m wide</u>				
150mm imported hardcore 50mm sand blinding Grade 25N concrete Formwork to edges of concrete	21	m		
<u>1.4 Footpaths-1.7m wide to roadside</u>				
Reinstatement of any existing footpath to roadside that was removed or damaged during construction	44	m		
<u>1.5 Land-drain to retaining wall</u>				
150mm land drain pipe with pea gravel surround to rear of retaining wall	100	m		

<u>Amendment</u>				
<u>Insulation to sports hall</u>				
60mm high density insulation to floor slab	730	m ²		
60mm foil backed insulation to cavity walls	280	m ²		