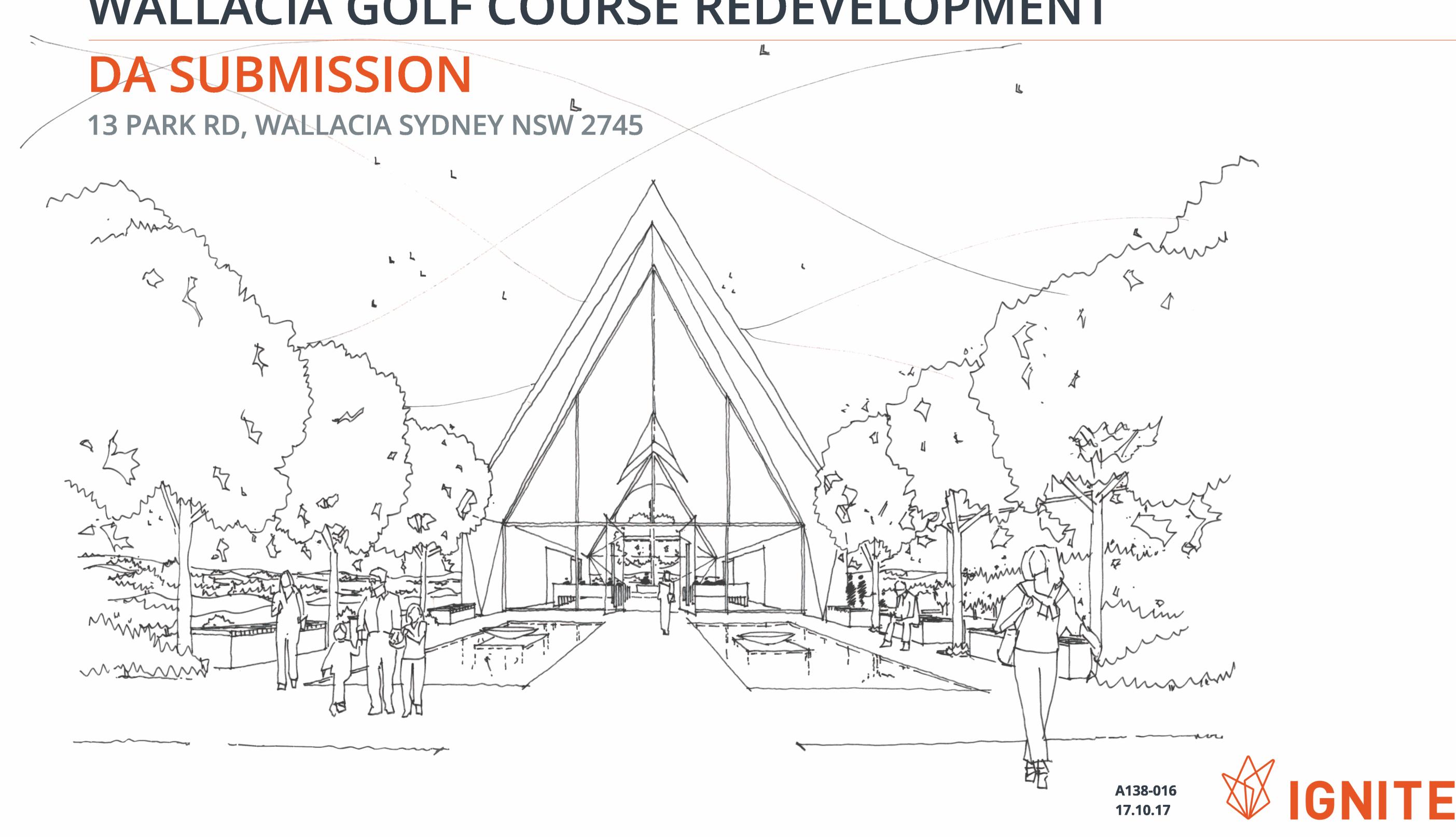
WALLACIA GOLF COURSE REDEVELOPMENT



OUTLINE SPECIFICATION

1.0 Specification

This specification indicates in outline form the standards of work and construction type for the proposed Chapel, Crematorium, and Administration Facility & associated public amenities to facilitate the site. A full detailed NATSPEC specification incorporating detailed trade descriptions will be prepared for construction purposes.

1.1 Generally

All works are to be carried out to the requirements of Penrith City Council and the Building Code of Australia / National Construction Code.

All new building work is to be of steel framed construction with metal cladding (zinc) used externally & stone & plasterboard on steel framing for internal components. A metal zinc clad roof is supported by steel framing. Internal walls are stone lined & ceilings painted generally. Wet areas are

1.2 Preliminaries

Check all dimensions on site. Figured dimensions shall take precedence. The Contractor shall take out all necessary insurances. The Contractor shall pay all other fees in connection with the Works. Provide new materials and workmanship of the best quality throughout, generally to the satisfaction of the Architect and unless otherwise specified, in accordance with the requirements of the relevant S.A.A. Code.

1.3 Demolition

Green field site – no demolition proposed. Keep site clear of rubbish and debris during construction. Clean up and make good on completion.

1.4 Excavation

Carry out excavations as necessary to provide for footings, slabs, and all other works as shown on the drawings to engineer's details. Spoil is to be removed from site. All excavation work is to be executed in accordance with the Workcover Authority of NSW Excavation Code of Practice Cat. No. 312.

1.5 Concrete

Form for and pour reinforced concrete footings to engineer's specification. Concrete shall comply with AS 1379, reinforcement shall comply with AS 1480. Provide suitable bases, working bases, and waterproofing as required. Provide reinforced concrete slabs and footings as detailed on the structural drawings.

1.6 Masonry

Provide new blockwork construction as indicated. All masonry work to comply with AS 3700. . Mortar shall comply with AS 1640. Build as necessary all flashings, arch bars, ant caps and the like. Clean down on completion.

1.7 Metalwork

All structural steelwork generally to be to AS 1250 or AS 4100. Cold-form sections from zinc-coated steel or aluminium/zinc alloy coated steel to AS 1397/Z200 or AZ175. All welding to AS 1554.1. Provide all necessary screws, bolts, anchors, straps, and the like of approved types, sufficient to transmit the loads and stresses imposed and ensure the rigidity of the assembly. Galvanise mild steel components (including fasteners) to AS 1214 or AS 1650, as appropriate, if exposed to weather, embedded in masonry, or in contact with chemically treated timber. Use grommets to isolate piping and wiring from cold formed steel framing. Provide cold form steel framing and hot rolled & welded structural steel framing as per the Structural Engineers drawings and specification.

1.8 Glazing

Glass thickness shall be in accordance with AS 1288 and AS 2208. Clear 6.38mm laminated Grade A safety glass shall be used in all applications.

1.9 Hardware

All hinges, stays, pushbolts, catches, and the like are to be supplied and fitted by the Contractor.

Door latchsets, security fitments, door and cupboard handles, toilet paper dispensers, soap holders, all to future selection. Install hardware to manufacturer's recommendations. Install hardware with fixings appropriate to the item and of adequate gauge and length to provide firm fixing.

1.10 Roofing

Use a proprietary system of preformed zinc sheeting with purpose-made accessories to match as indicated on plans. Project roof finish 50 mm into gutters. Close off ribs at bottom of sheets by mechanical means or by purpose-made fillers or end caps. Finish off along ridge and verge lines with purpose-made ridge capping or barge rolls. Prevent direct contact between incompatible metals, and between green hardwood or chemically treated timber and aluminium or coated steel. Install metal rainwater goods to AS 2179 and AS 2180, including installation. Provide supports and fixings for down pipes.

1.11 Windows & Doors

Supply and install new aluminium framed windows, doors including aluminium glazing, hardware and accessories necessary to the satisfactory completion of the works. Window installation is to be to AS 2147, door framing to AS 2689. Install new skylights in accordance with the manufacturer's specifications and in accordance with Part 3.7 of the BCA, Clause 3.7.1.10. Install flashings, drips, storm moulds, weather seals, caulking, pointing or the like so that water is prevented from penetrating the building between the window/door frame and the building structure under the prevailing service conditions, including normal structural movement of the building. Fix architraves internally.

1.12 Tiling

Tiles shall be even and regular in size, true to plane, free of warps, cracks, crazing, discolouration or defects and shall have undamaged arises. Use manufactured items including tiles, adhesives, grout, sealant, caulking compound and the like in accordance with the manufacturer's recommendations. Bedding methods and materials shall be appropriate to the tile, the background, the conditions of service and such as to leave the tile firmly and solidly bedded in the bedding material and adhered to the background. Unless otherwise specified maintain finished floor levels without step or break, except for a brass strip, at changes of floor finish. Grade floor tiling to even and correct falls where required, e.g. to floor wastes. Make level junctions to walls. Provide ceramic tiles to walls and floors to all bathrooms and laundry and as shown on the drawings.

1.13 Plastering

To AS CA27. Carry out plastering under conditions, which will not adversely affect the finished work. Complete in sufficient time to enable subsequent finishes to be applied under proper conditions. Make finished surfaces even, free from defects and true to the required surface. Make vertical surfaces plumb and horizontal surfaces level. Terminate edges of plaster as follows: pencil rounded to exposed edges, neat bevel edge where abutting other finishes. Finish walls to ceilings with shadow line throughout by an appropriate method to AS 2186 or AS 2591

1.14 Painting

Provide prime, undercoat finishes and final painted finish to the whole of the new work. Provide final painted finish to the new external work consisting of walls, fascias, barges, doors, eaves, and the like. Provide undercoating and sealing and final coat to AS 2310 and 2311, and to manufacturer's recommendations.

Ensure that primers. Sealers and undercoats are suitable for the substrate and compatible with the finish coat and each other. All colours to be selected by the Architect in consultation with the client.

1.15 Hydraulic Services

All work shall be carried out by or under the full supervision of a fully licensed plumber to the standards and regulations of the Authorities having jurisdiction over the works. All installation inspections are to be carried out by Hydraulic Engineer prior to closing off stages. Provide new materials, the best if their kinds in accordance with the specification and the S.A.A. Codes or the British Standard Association Codes, where relevant S.A.A. Codes are not available. Obtain certificates from the Authorities having jurisdiction to prove completion of the services before application for final payment. Connect building stormwater systems to the proposed stormwater network in the adjacent roads. Refer to Hydraulic Engineers plans for all relevant details of proposed stormwater system. Connect all amenities for capacity to re-use collected rainwater from storage tank for toilet

1.16 Sanitary Plumbing

For basins, wash troughs, floor wastes, shower wastes and WCs, provide complete installation of soil, waste and vent pipes from drainage turn up point to vent terminal above roof with PVC vent cowl. All to be UPVC system to AS 1415. Any exposed pipes to have stainless steel or copper sleeves as directed by Architect.

1.17 Hot & Cold Water Service

To basins, showers and WCs, provide complete concealed water service extended as necessary from existing service in solid drawn copper work and brass fittings to AS 1432. Supply and fit all necessary pipes, valves and fittings all to be selected. Adequately drain existing hot water service with overflow draining to appropriate position outside the building envelope. Provide electric hot water systems as the preferred method of heating water for the development.

1.18 Sanitary Services

Supply, fix and connect to manufacturer's requirements and to the satisfaction of the relevant authorities the: toilet suite, showers, and basins all to be selected.

1.19 Electrical Services

Works shall include the supply, installation and termination of sub circuits for lighting, general power outlets and the installation of luminaries, general power outlets and switches. Any person engaged in carrying out the electrical wiring work shall hold a current electrician's licence issued under the NSW Electrical Contractor's and Electrician's Licensing Regulations. All work carried out shall be in accordance with the current edition of the Standards Association of Australia "Wiring Rules", the Service Rules of the Supply Authority, the local requirements of Telecom Australia and other relevant statutory authorities. All to extend existing switchboard as required. Allow for the supply and installation of new concealed circuits, general power points and switch plates, as required. Light fittings supplied by the Proprietor shall be fixed by the Contractor.

1.20 Smoke Alarms

A mains connected smoke alarm system complying with AS 3786 – 1993 Self Contained Smoke Alarms – or listed in the Scientific Services Laboratory (SSL) Register of Accredited Products – Fire Protection Equipment is to be installed in suitable locations on or near the ceiling

This system is to have stand-by (battery backup) power supply.

1.21 Landscape Works

Provide soft and hard landscape works in accordance with the drawings and specification. Provide new feature tree as designated to Altar end of Chapel. Provide 150mm depth of topsoil to designated turf areas. Install paving units on a concrete paving slab to engineers details.

1.22 Insulation & Energy Efficiency

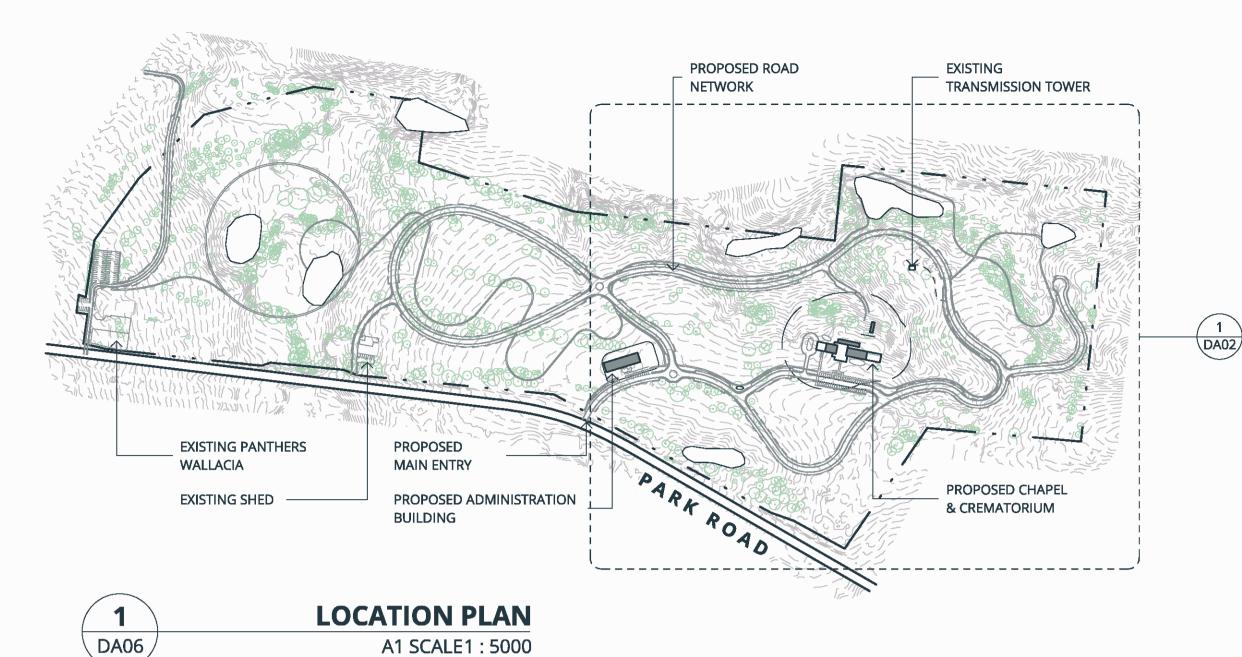
To reduce both summer heat gain and winter heat loss, the building is to be insulated to achieve energy efficiency and thermal comfort. Insulation for the following R value standards is to be provided:

R 3.0 – Roof and ceiling (combined value - minimum)

R 1.9 – Walls (minimum)

Acoustic insulation is to be provided to all internal concealed plumbing services throughout.





ZC - WEATHERED ZINC ROOF CLADDING SB - SANDBLASTED MARBLE WALL TILES LS - LIMESTONE PAVING/ WALL TILES **AB - ANTIQUE BRONZE** FLOWER/ FIRE CHALICE /ATAR / FURNACES **IW - IRONBARK WOOD JOINERY/ FASCIA/ SOFFIT** PM - POLISHED MARBLE FLOOR/ WALL TILES SG - SKYLIGHT GLAZING WINDOWS

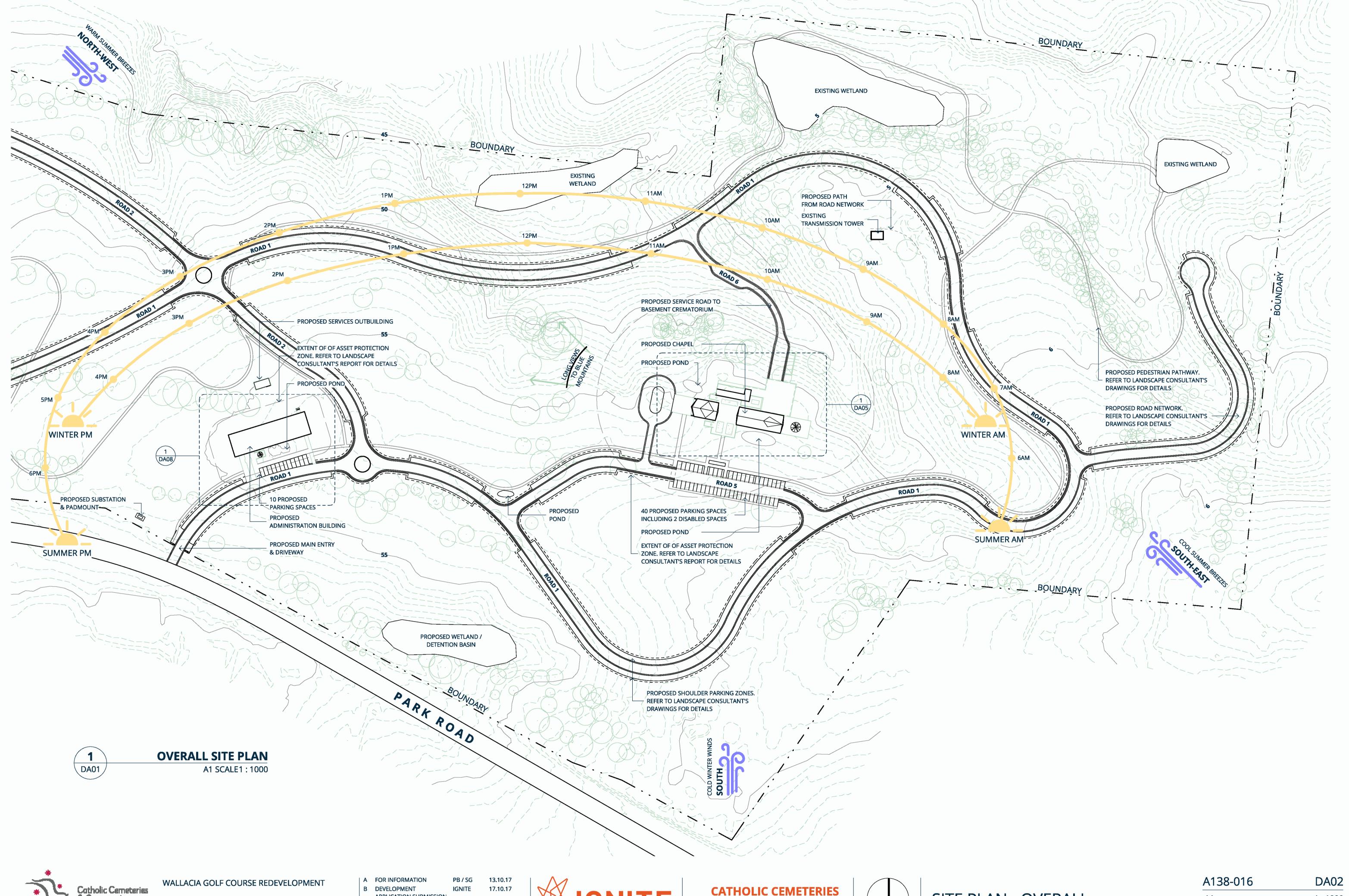
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DRAWING NAME	NUMBER	SCALE	REV		
COVER	DA00	A1	Α		
DRAWING INDEX / SPECIFICATION / MATERIAL SCHEDULE	DA01	A1	Α		
SITE PLAN - OVERALL	DA02	A1	В		
SITE PLAN - CHAPEL	DA03	A1	С		
SITE PLAN - ADMIN	DA04	A1	С		
CHAPEL FLOOR PLAN	DA05	A1	Α		
CHAPEL ELEVATIONS	DA06	A1	Α		
CHAPEL SECTIONS	DA07	A1	Α		
ADMIN FLOOR PLAN, ELEVATIONS & SECTIONS	DA08	A1	Α		
CHAPEL RENDERS	DA09	A1	Α		
ADMIN RENDERS	DA10	A1	Α		
SOLAR STUDY - CHAPEL - SUMMER SOLSTICE (22 DEC.)	DA21	A1	В		
SOLAR STUDY - CHAPEL - WINTER SOLSTICE (21 JUNE)	DA22	A1	В		
SOLAR STUDY - CHAPEL - SPRING EQUINOX (23 SEP.)	DA23	A1	В		
SOLAR STUDY - CHAPEL - AUTUMN EQUINOX (21 MARCH)	DA24	A1	В		
SOLAR STUDY - ADMIN - ALL SEASONS	DA25	A1	В		

CATHOLIC CEMETERIES



WALLACIA GOLF COURSE REDEVELOPMENT

DEVELOPMENT

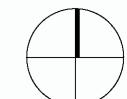


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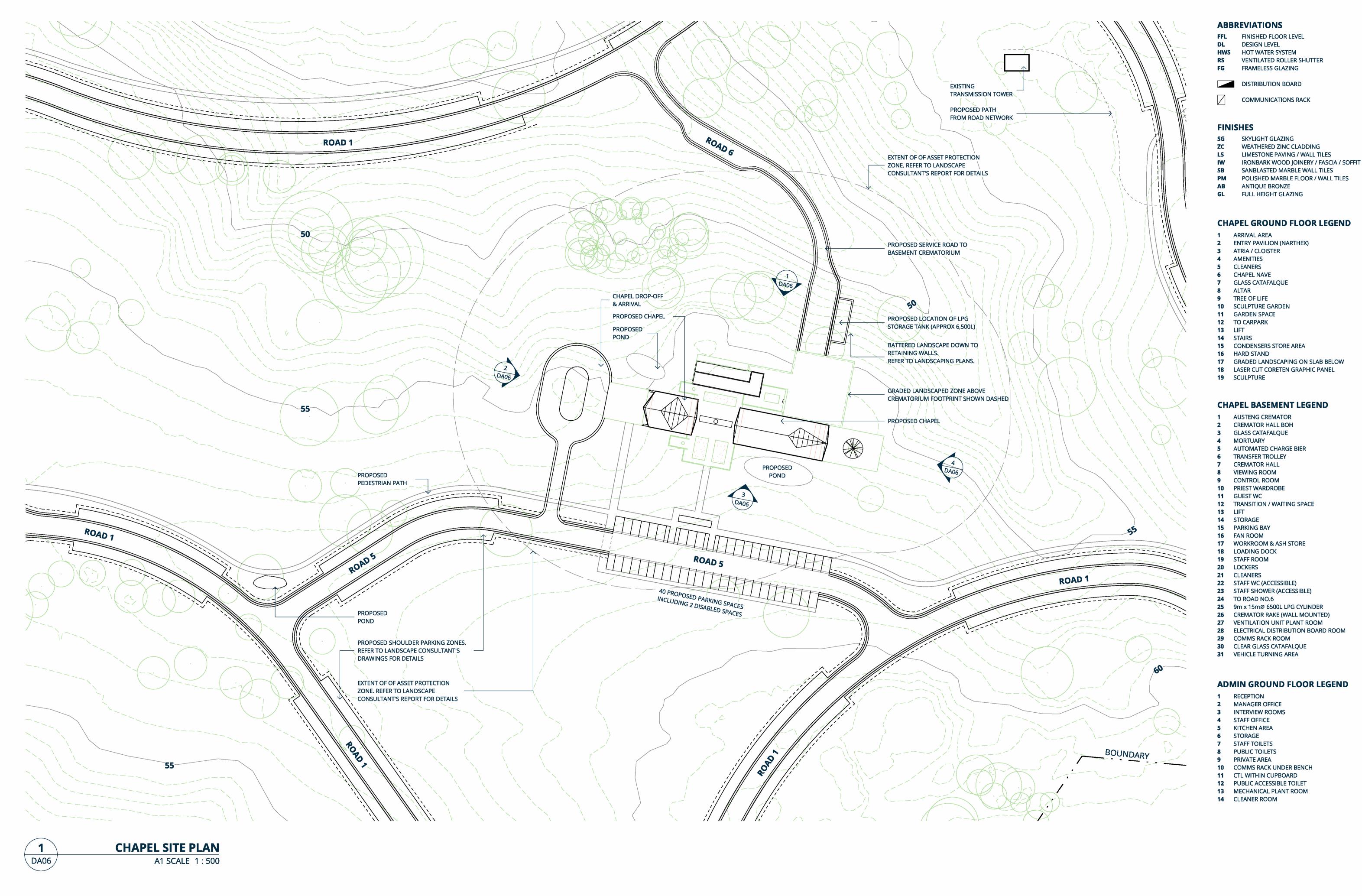
B DEVELOPMENT
APPLICATION SUBMISSION







SITE PLAN - OVERALL





WALLACIA GOLF COURSE REDEVELOPMENT

13 PARK RD, WALLACIA SYDNEY NSW 2745

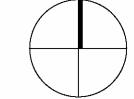
B FOR INFORMATION C DEVELOPMENT APPLICATION SUBMISSION

A FOR INFORMATION

PB / SG IGNITE 17.10.17



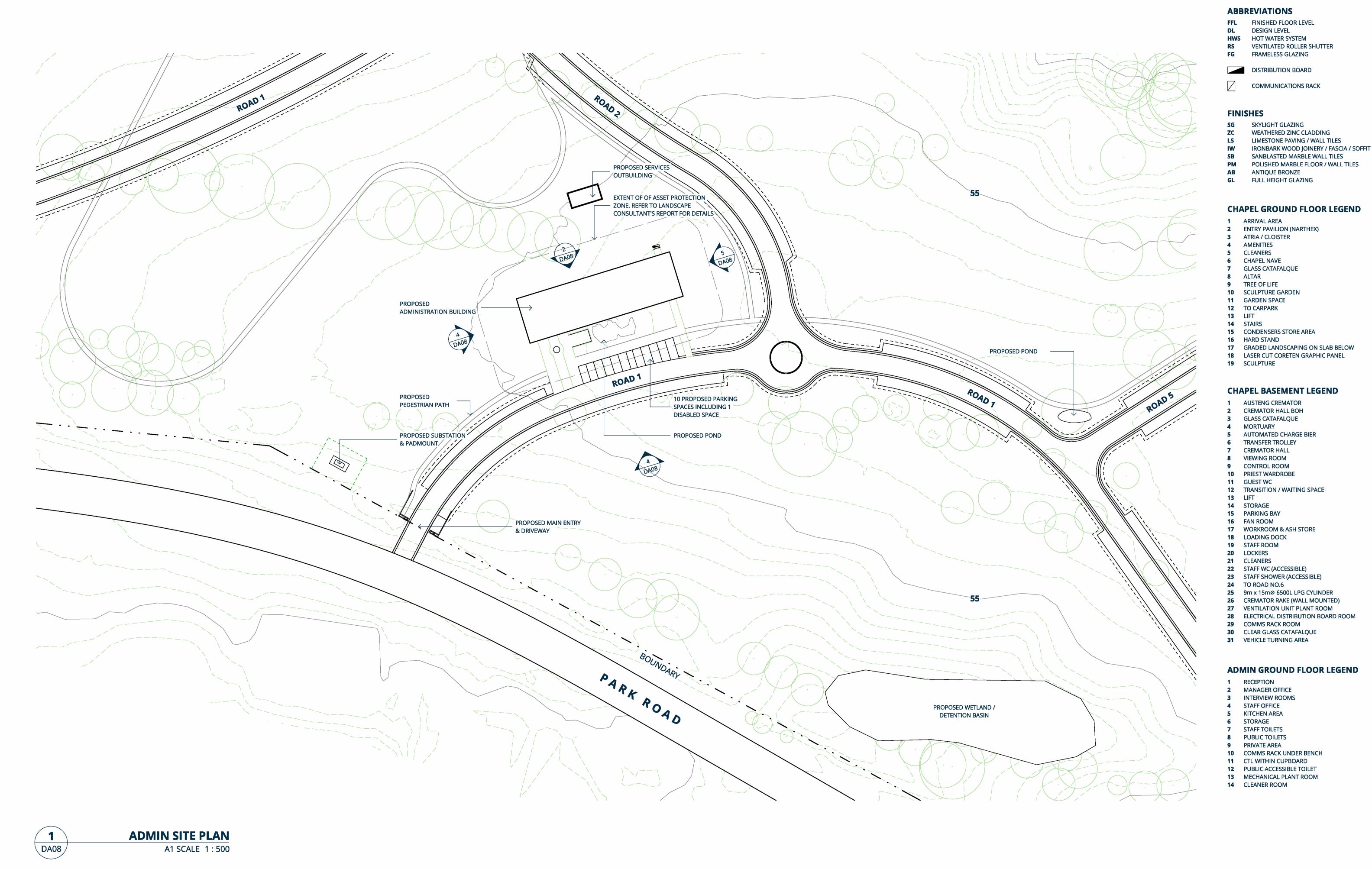




SITE PLAN - CHAPEL

A138-016 As indicated

DA03



Catholic Cemeteries
& Crematoria
Care, Compassion, Chaice

WALLACIA GOLF COURSE REDEVELOPMENT

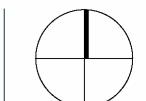
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A FOR INFORMATION PB / SG
B FOR INFORMATION PB / SG
C DEVELOPMENT IGNITE
APPLICATION SUBMISSION

PB / SG 21.09.17 PB / SG 13.10.17 IGNITE 17.10.17





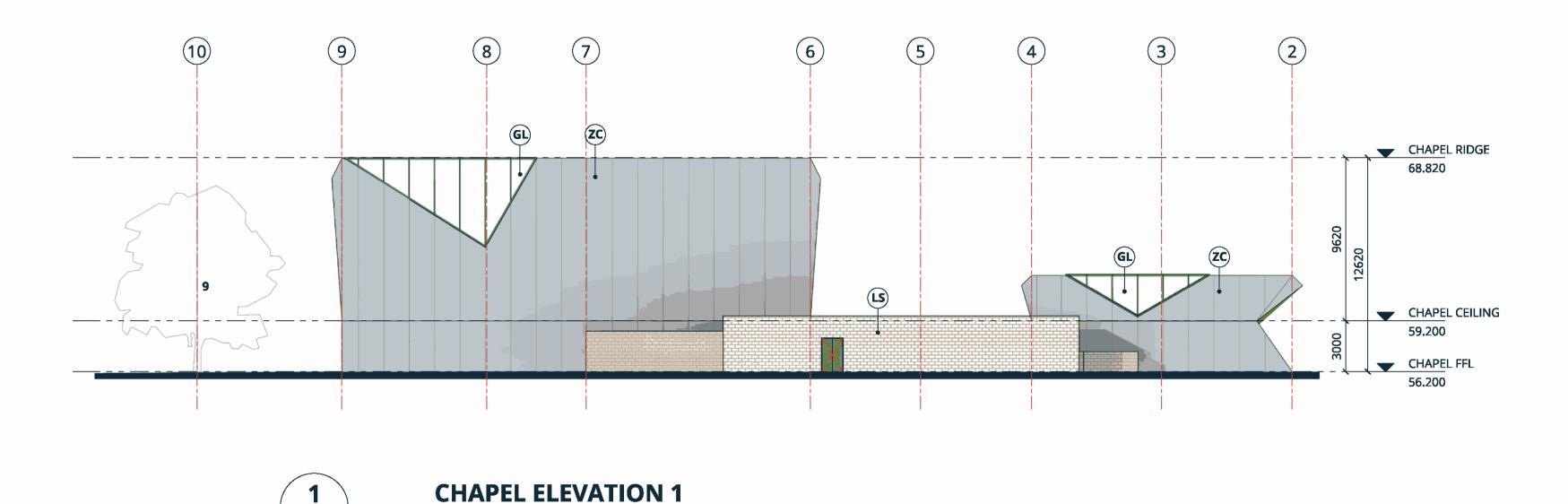


SITE PLAN - ADMIN

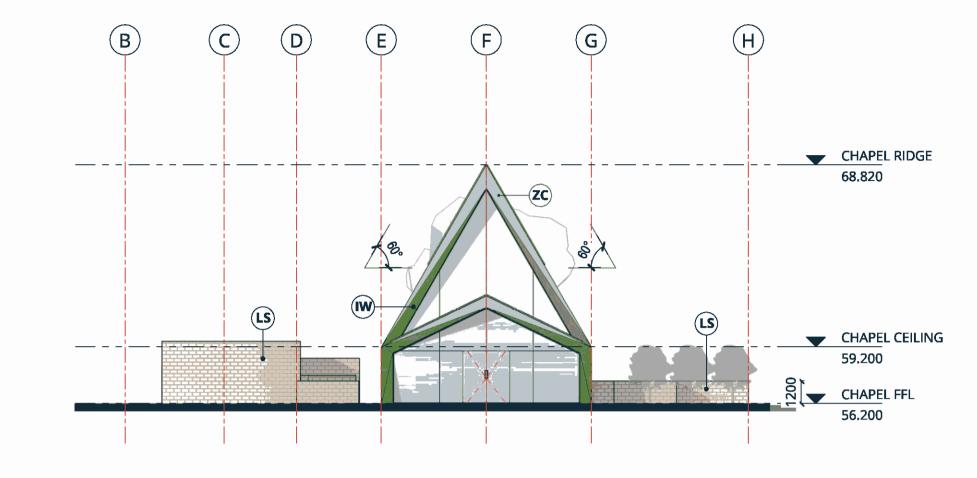
A138-016

DA04

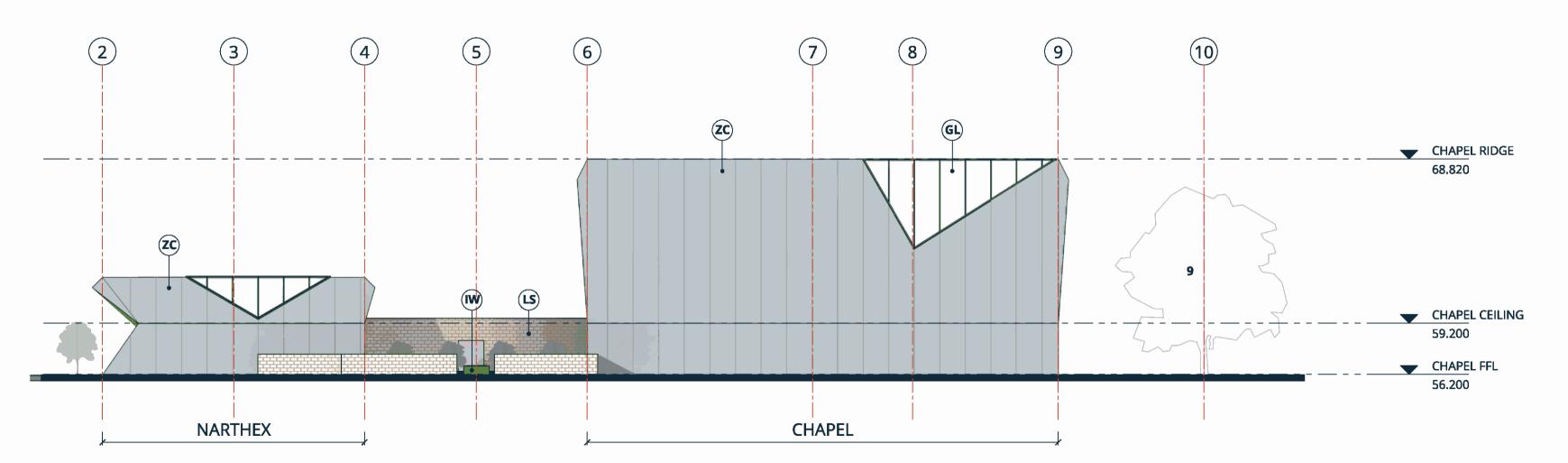
As indicated

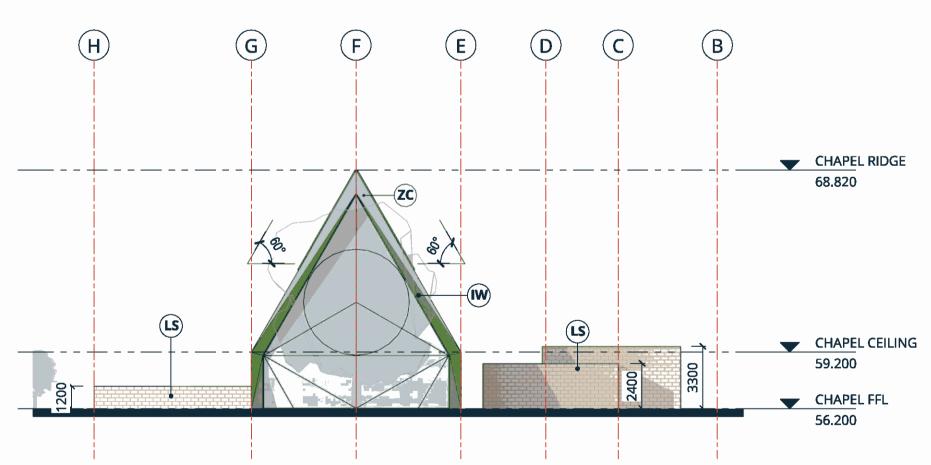


A1 SCALE 1:200



CHAPEL ELEVATION 2 \ DA03 A1 SCALE 1:200





CHAPEL ELEVATION 3 3 DA03 A1 SCALE 1:200



ABBREVIATIONS

FINISHED FLOOR LEVEL **DESIGN LEVEL HOT WATER SYSTEM** VENTILATED ROLLER SHUTTER

FRAMELESS GLAZING DISTRIBUTION BOARD



FINISHES

SKYLIGHT GLAZING

WEATHERED ZINC CLADDING

LIMESTONE PAVING / WALL TILES

IRONBARK WOOD JOINERY / FASCIA / SOFFIT

SANBLASTED MARBLE WALL TILES

POLISHED MARBLE FLOOR / WALL TILES

ANTIQUE BRONZE FULL HEIGHT GLAZING

CHAPEL GROUND FLOOR LEGEND

1 ARRIVAL AREA

2 ENTRY PAVILION (NARTHEX)

3 ATRIA / CLOISTER 4 AMENITIES

5 CLEANERS

6 CHAPEL NAVE

7 GLASS CATAFALOUE

8 ALTAR 9 TREE OF LIFE

10 SCULPTURE GARDEN 11 GARDEN SPACE

12 TO CARPARK **13** LIFT

14 STAIRS

15 CONDENSERS STORE AREA **16** HARD STAND

17 GRADED LANDSCAPING ON SLAB BELOW

18 LASER CUT CORETEN GRAPHIC PANEL 19 SCULPTURE

CHAPEL BASEMENT LEGEND

1 AUSTENG CREMATOR

2 CREMATOR HALL BOH

3 GLASS CATAFALQUE 4 MORTUARY

5 AUTOMATED CHARGE BIER

6 TRANSFER TROLLEY

7 CREMATOR HALL

8 VIEWING ROOM

9 CONTROL ROOM

10 PRIEST WARDROBE

11 GUEST WC 12 TRANSITION / WAITING SPACE

13 LIFT

14 STORAGE

15 PARKING BAY

16 FAN ROOM

17 WORKROOM & ASH STORE

18 LOADING DOCK 19 STAFF ROOM

20 LOCKERS

21 CLEANERS

22 STAFF WC (ACCESSIBLE)

23 STAFF SHOWER (ACCESSIBLE) **24** TO ROAD NO.6

25 9m x 15mø 6500L LPG CYLINDER

26 CREMATOR RAKE (WALL MOUNTED)

27 VENTILATION UNIT PLANT ROOM 28 ELECTRICAL DISTRIBUTION BOARD ROOM

29 COMMS RACK ROOM

30 CLEAR GLASS CATAFALQUE

31 VEHICLE TURNING AREA

ADMIN GROUND FLOOR LEGEND RECEPTION

2 MANAGER OFFICE

3 INTERVIEW ROOMS

4 STAFF OFFICE 5 KITCHEN AREA

6 STORAGE

7 STAFF TOILETS 8 PUBLIC TOILETS

9 PRIVATE AREA

10 COMMS RACK UNDER BENCH 11 CTL WITHIN CUPBOARD

12 PUBLIC ACCESSIBLE TOILET

13 MECHANICAL PLANT ROOM

14 CLEANER ROOM

\ DA03

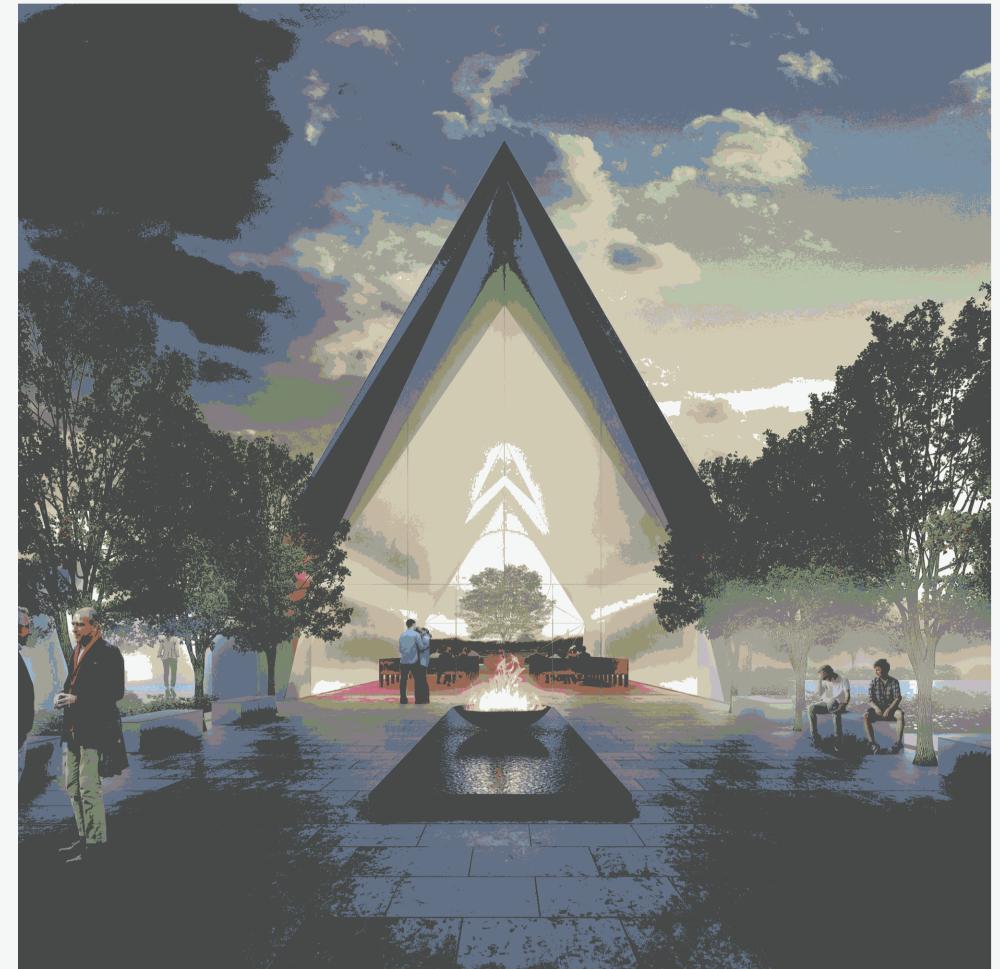
WALLACIA GOLF COURSE REDEVELOPMENT

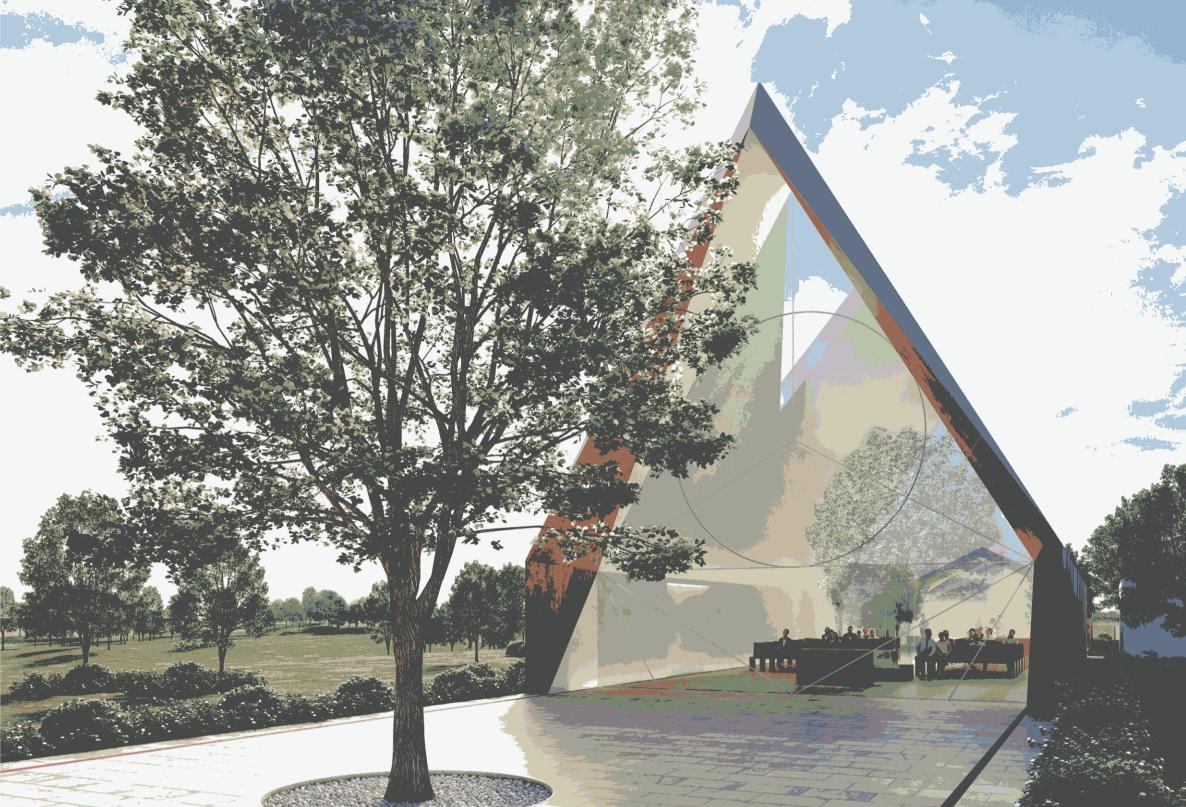
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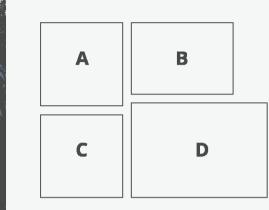
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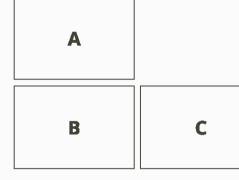
A. ATRIA
B. TREE OF LIFE
C. CHAPEL INTERIOR
D. ENTRY PAVILION (NARTHEX)











A. ADMIN ENTRY B. ADMIN FRONT C. ADMIN EXIT









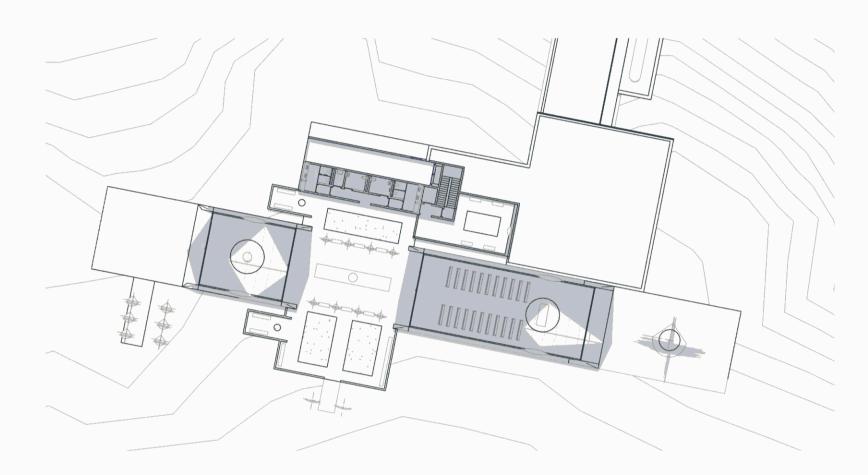




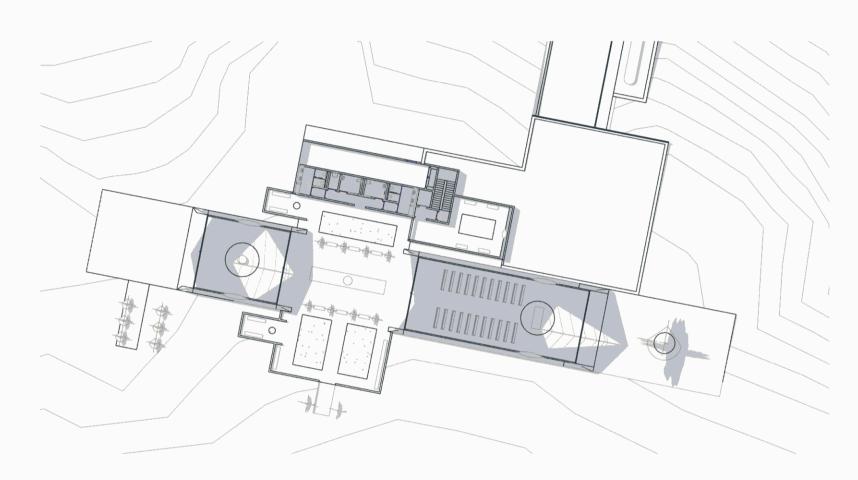
SUMMER SOLSTICE 10AM A1 SCALE



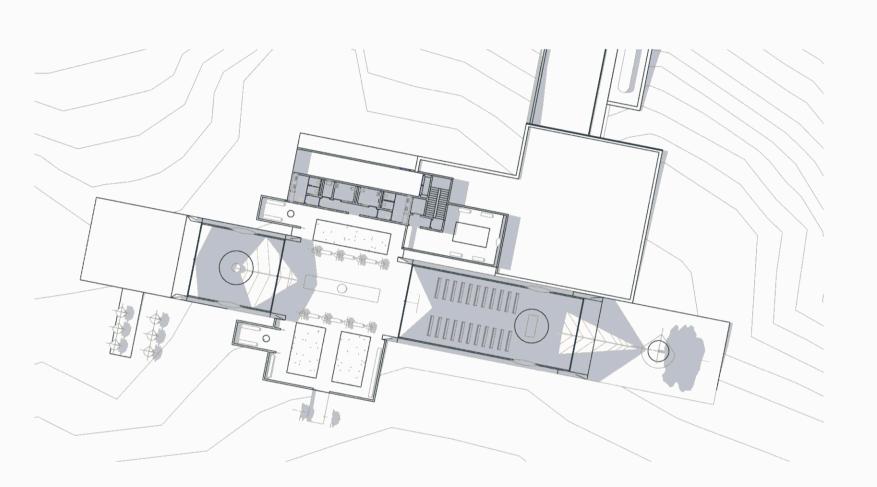
SUMMER SOLSTICE 11AM A1 SCALE



SUMMER SOLSTICE 12PM A1 SCALE



SUMMER SOLSTICE 1PM A1 SCALE



SUMMER SOLSTICE 2PM A1 SCALE





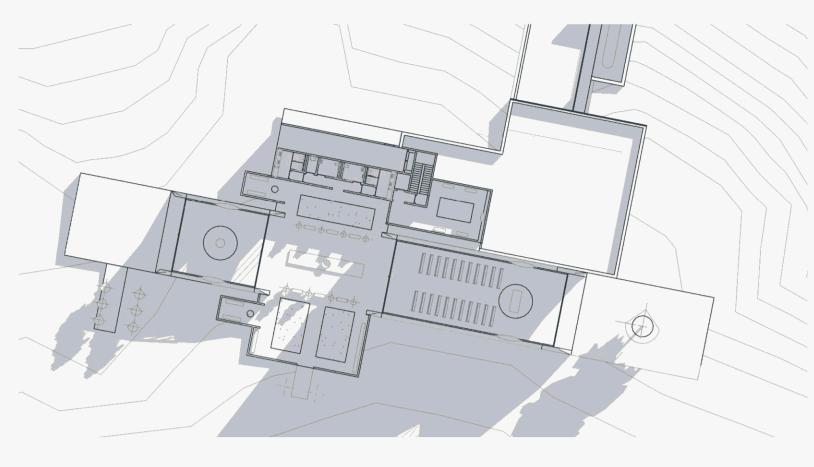




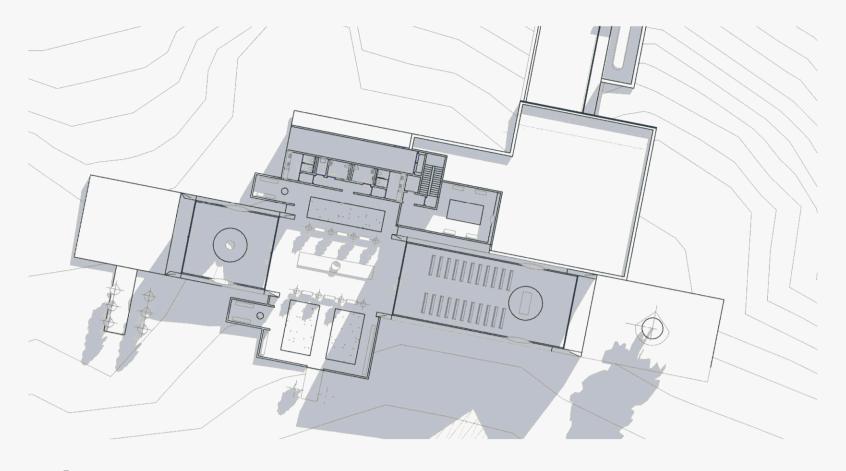
WALLACIA GOLF COURSE REDEVELOPMENT B DEVELOPMENT
APPLICATION SUBMISSION







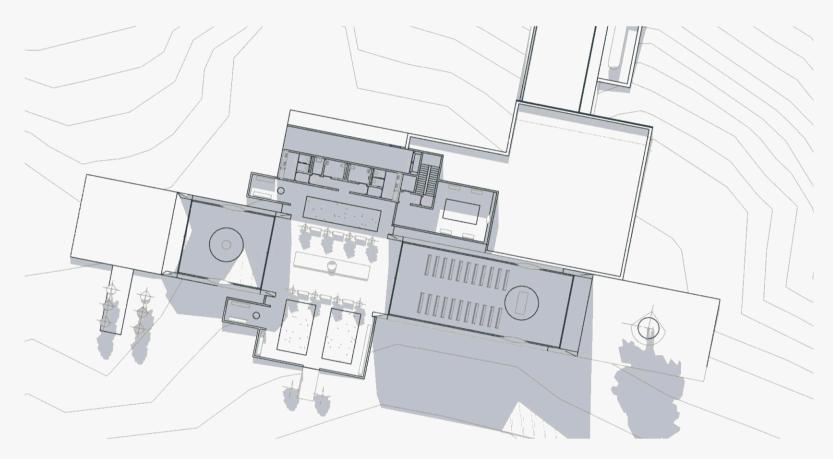




2 WINTER SOLSTICE 10AM
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3 WINTER SOLSTICE 11AM
A1 SCALE



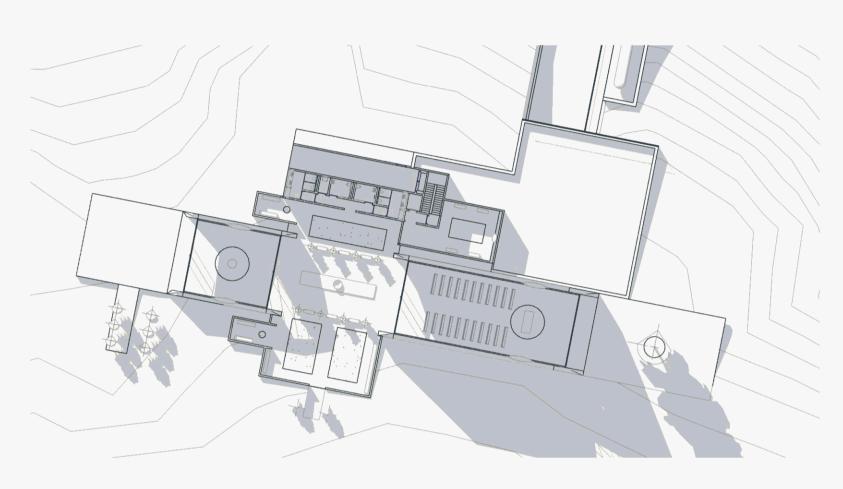
4 WINTER SOLSTICE 12PM
A1 SCALE



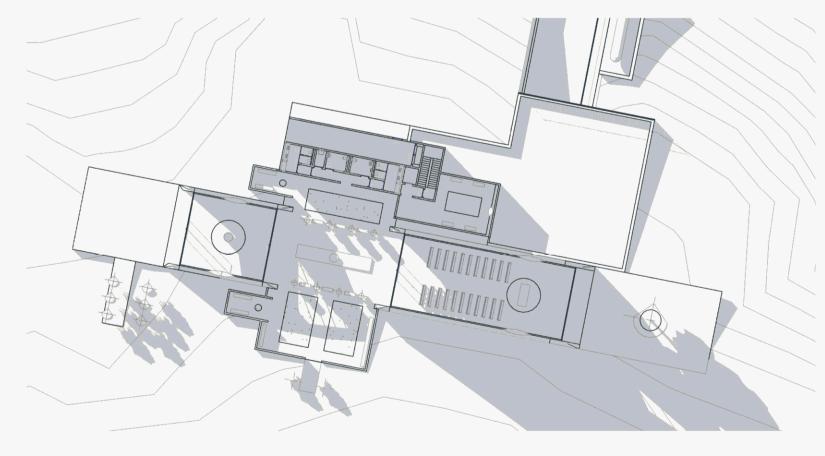
WINTE SOLSTICE - 9AM (22

DEC.)

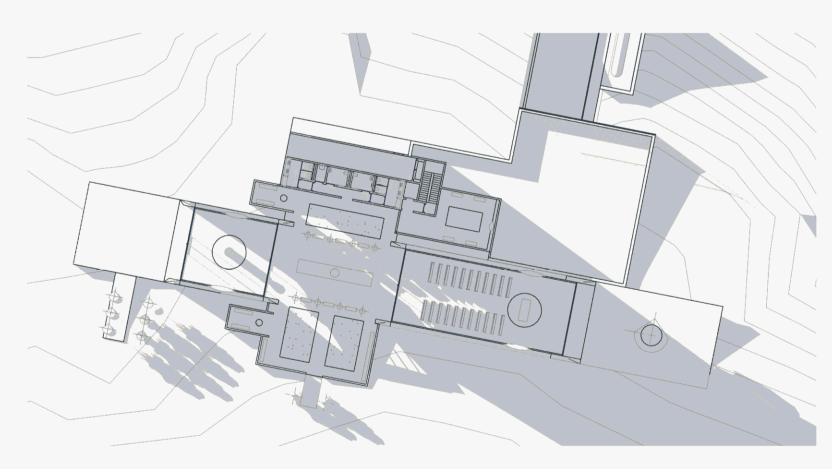
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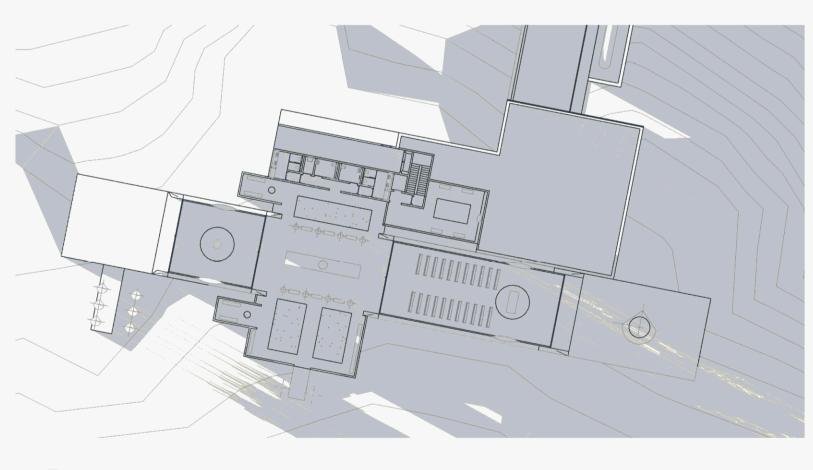
6 WINTER SOLSTICE 2PM
A1 SCALE



7 WINTER SOLSTICE 3PM
A1 SCALE



8 WINTER SOLSTICE 4PM
A1 SCALE



9 WINTER SOLSTICE 5PM
A1 SCALE



WALLACIA GOLF COURSE REDEVELOPMENT

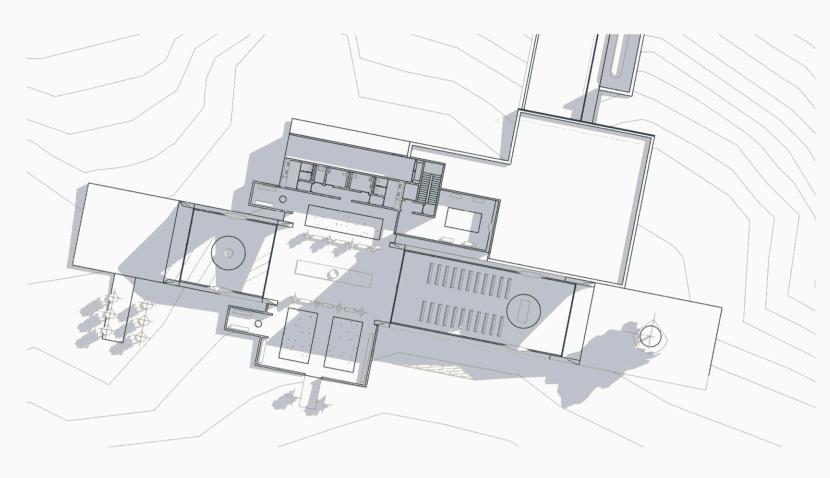
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B DEVELOPMENT IGN
APPLICATION SUBMISSION

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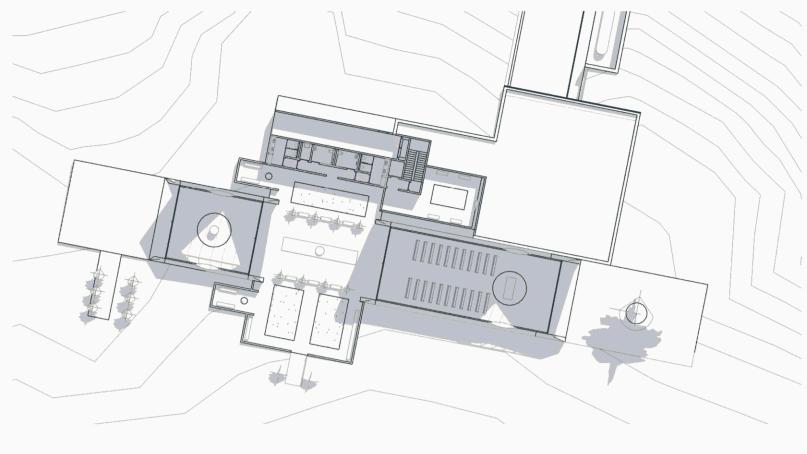
SOLAR STUDY - CHAPEL - WINTER SOLSTICE (21 JUNE)



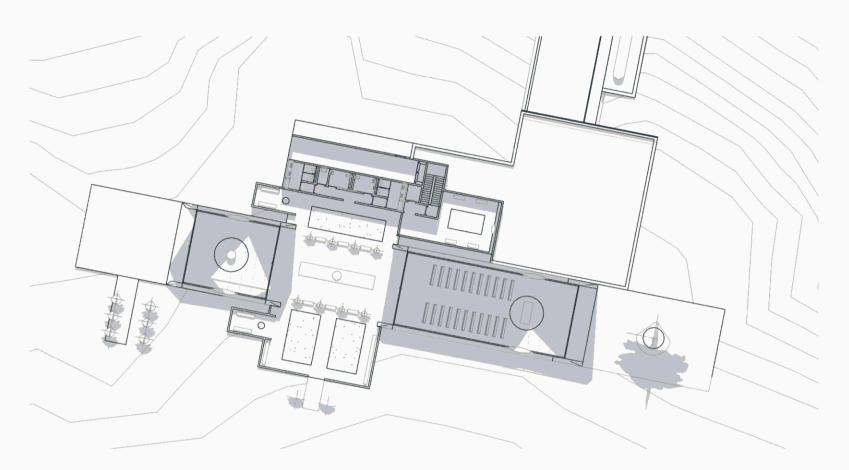




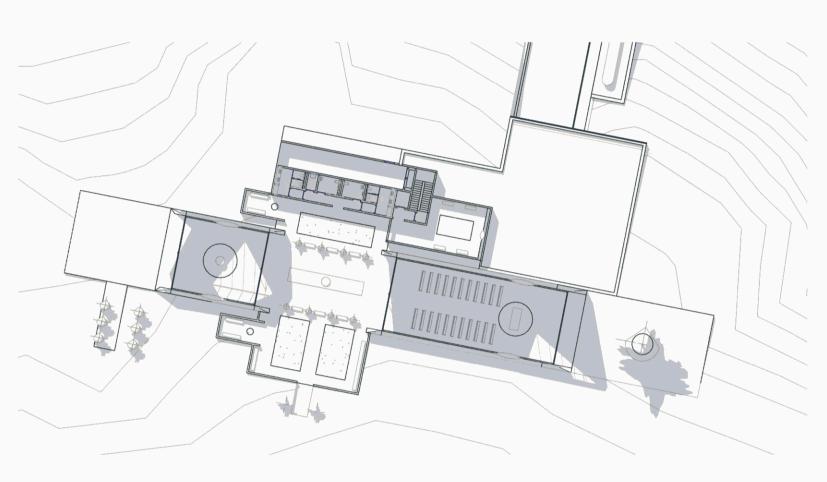
AUTUMN EQUINOX 10AM A1 SCALE



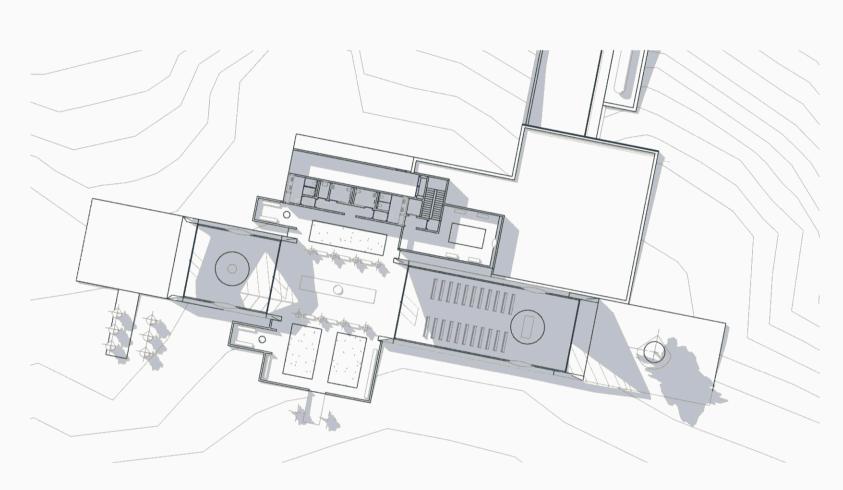
AUTUMN EQUINOX 11AM A1 SCALE



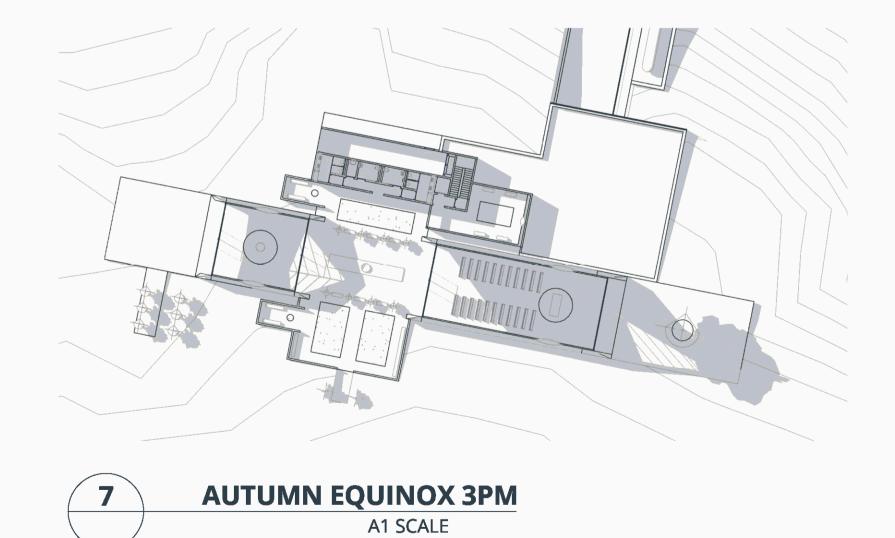
AUTUMN EQUINOX 12AM A1 SCALE

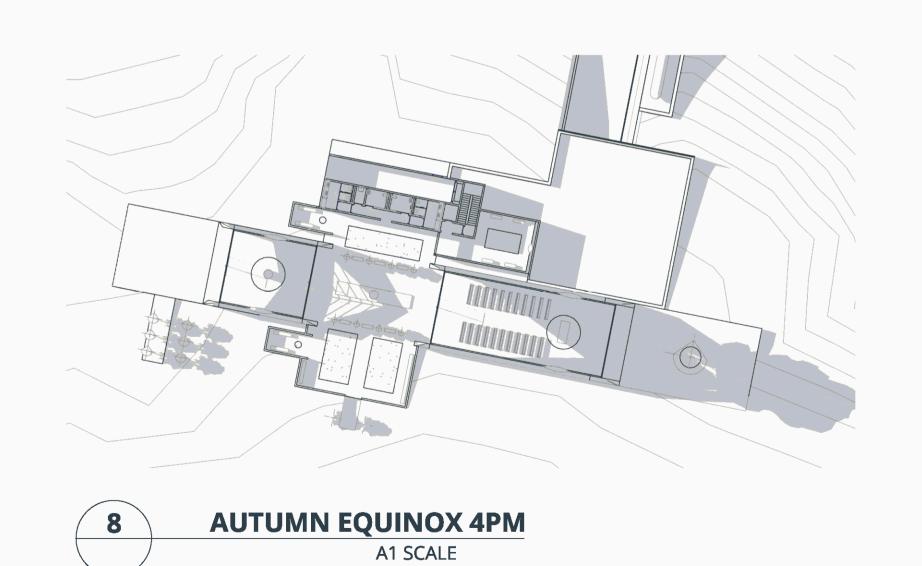


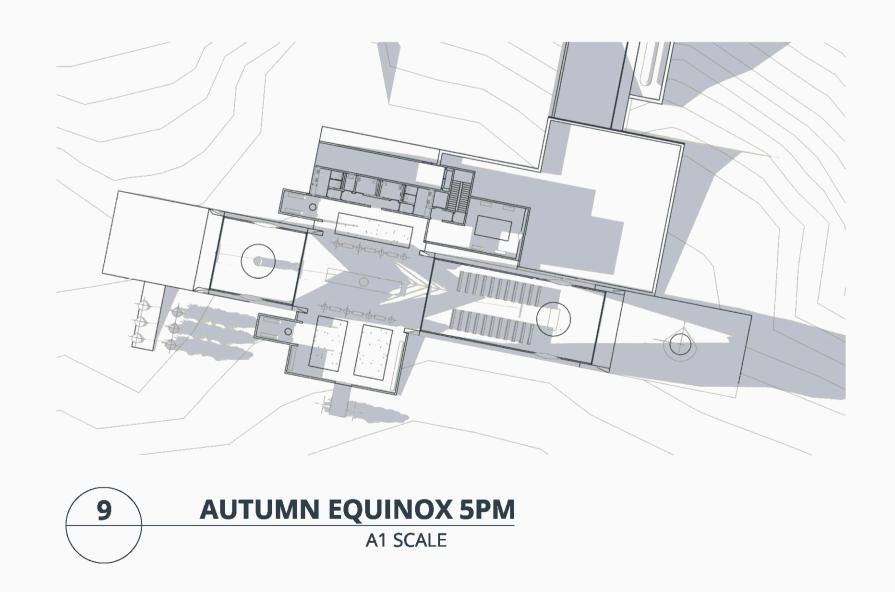
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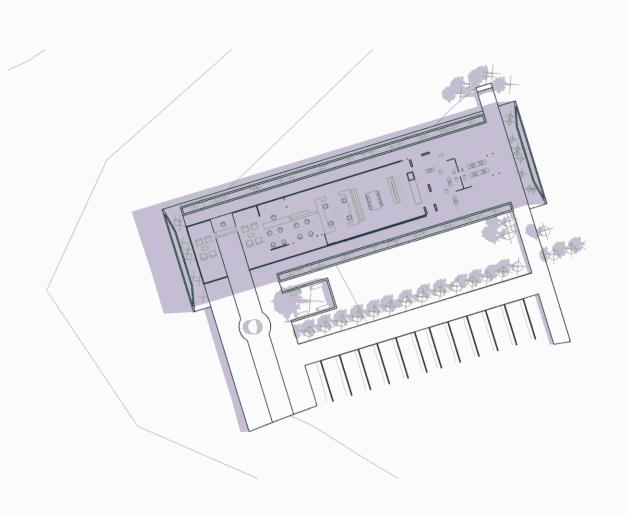


WALLACIA GOLF COURSE REDEVELOPMENT B DEVELOPMENT APPLICATION SUBMISSION

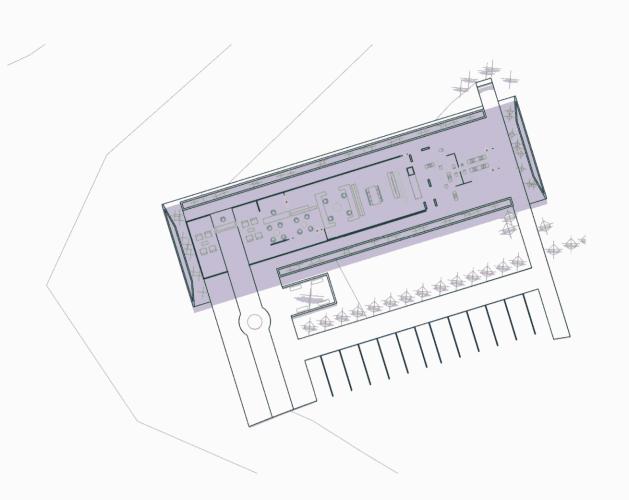




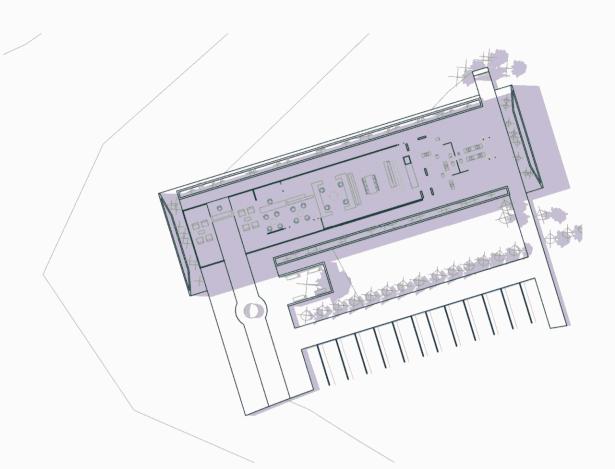




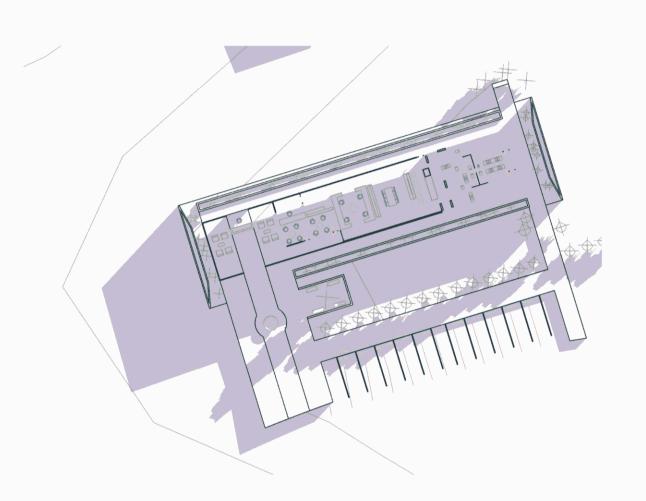




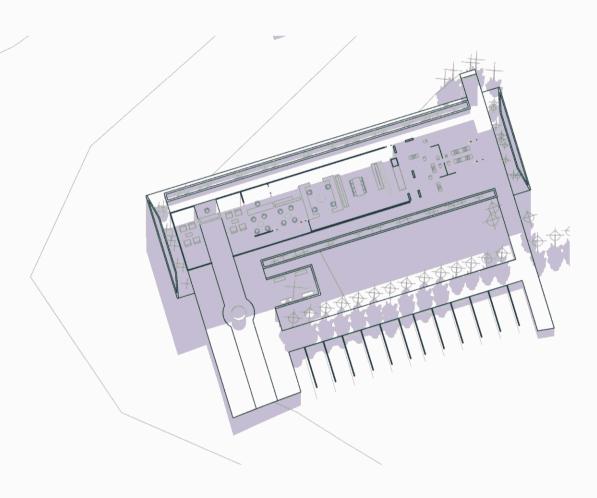
2 (22 DEC.)
A1 SCALE



3 (22 DEC.)
A1 SCALE



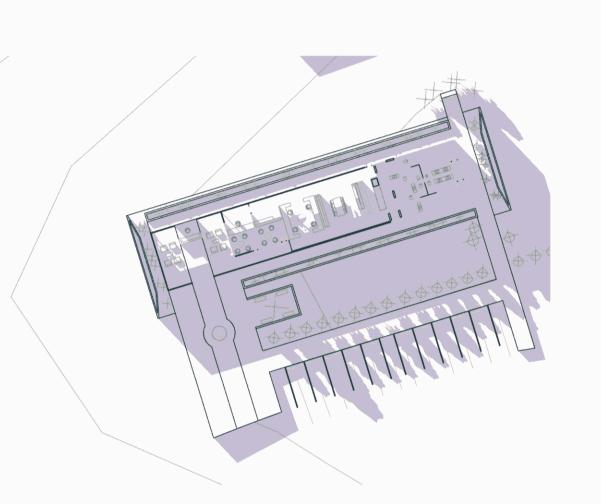




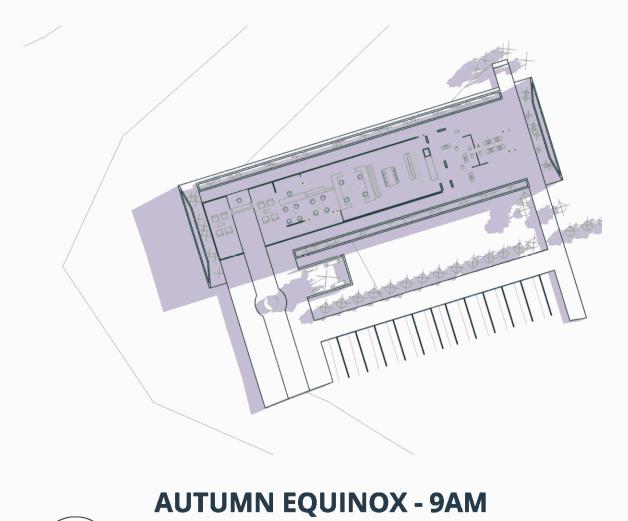
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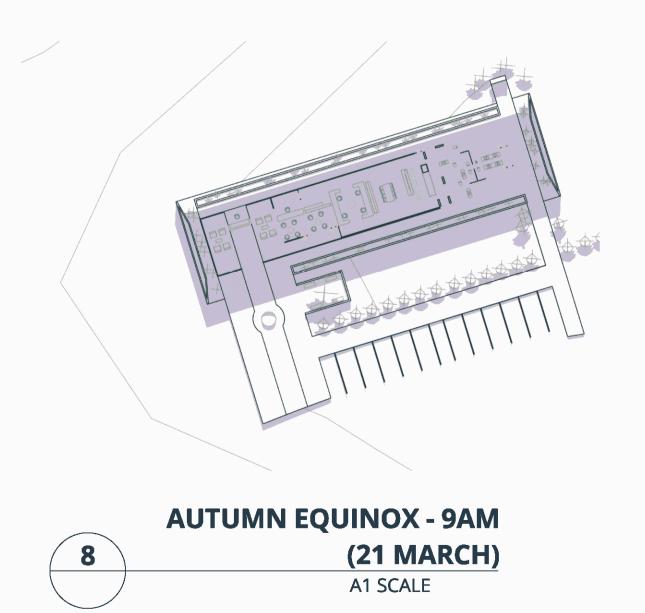
(21 JUNE)

A1 SCALE











	AUTUMN EQUINOX - 3PM	
9	(21 MARCH)	
	A1 SCALE	



WALLACIA GOLF COURSE REDEVELOPMENT

(21 MARCH)
A1 SCALE

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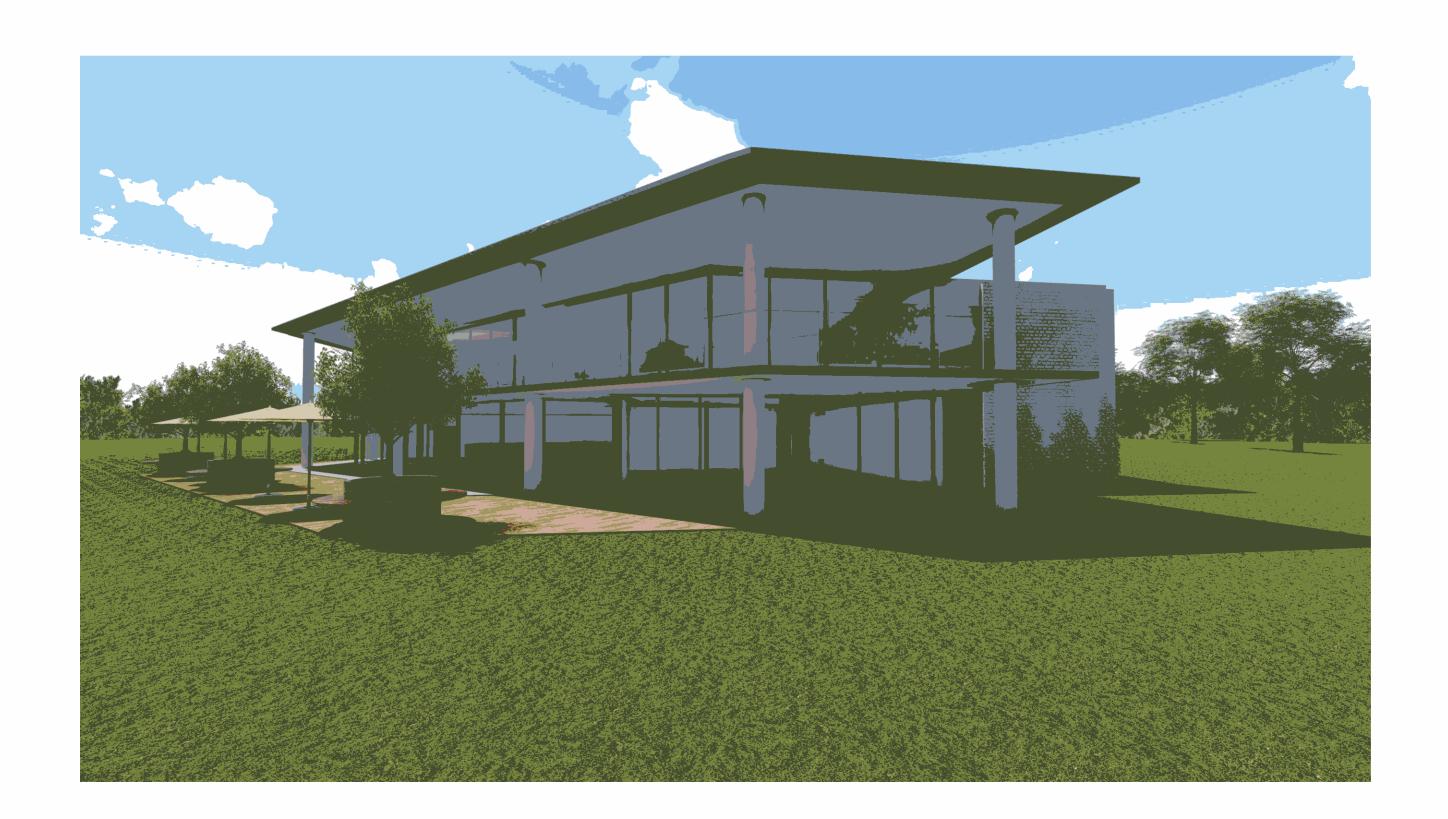






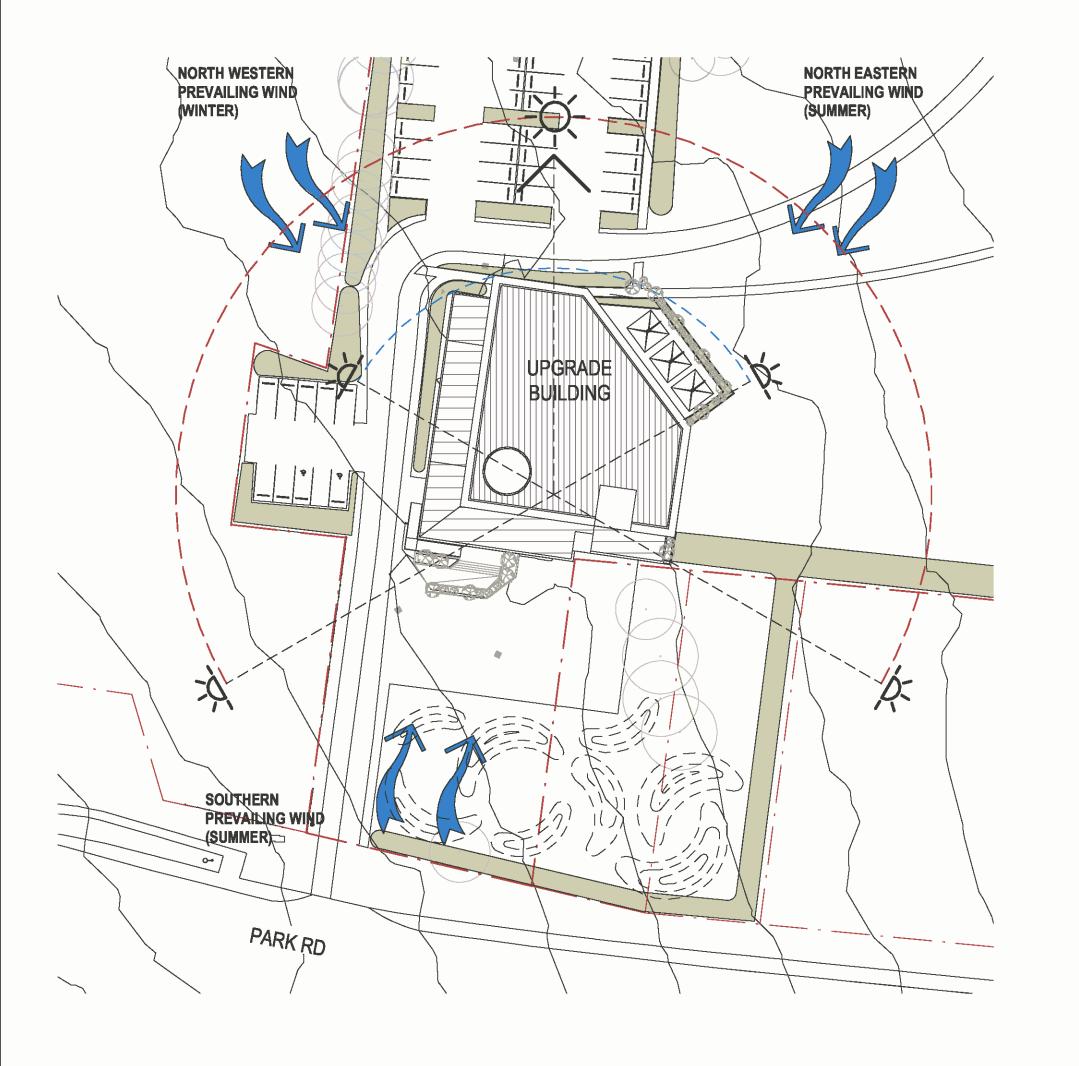
SOLAR STUDY - ADMIN - ALL SEASONS

DEVELOPMENT APPLICATION PANTHERS WALLACIA CLUB



DA Drawing List				
Sheet Number	Sheet Name	Current Revision	Current Revision Date	
DA0001	COVER SHEET	В	27/10/2017	
DA1000	SITE ANALYSIS AND LOCATION PLAN	В	27/10/2017	
DA1001	SITE PLAN	В	27/10/2017	
DA1002	SHADOW DRIAGRAM	В	27/10/2017	
DA1100	EXISTING LOWER LEVEL - DEMOLITION	В	27/10/2017	
DA1101	EXISTING GROUND FLOOR - DEMOLITION	В	27/10/2017	
DA1102	EXISTING ROOF PLAN - DEMOLITION	В	27/10/2017	
DA1200	LOWER LEVEL FLOOR PLAN	В	27/10/2017	
DA1201	GROUND FLOOR PLAN	В	27/10/2017	
DA1202	ROOF PLAN	В	27/10/2017	
DA2100	PROPOSED ELEVATIONS	В	27/10/2017	
DA3001	PROPOSED SECTIONS	В	27/10/2017	
DA9000	FINISHES SCHEDULE EXTERIOR			

Catholic Metropolitan Cemeteries WALLACIA GOLF CLUB ALTIS architecture p 61 2 9364 9000 f 61 2 9571 7930 lower deck jones bay wharf suite 123 / 26 - 32 pirrama road pyrmont nsw 2009 australia COVER SHEET Nominated architect: Rolfe Latimer: 5535 Copyright remains the property of Altis ArchitecturePty Ltd. Use only figured dimensions. All discrepancies to be referred to Altis Architecture Pty Ltd prior to construction. Ensure compliance with the Building Code of Australia and all relevant Australian Standards and Authority requirements. Issue Date CHECKED BY: PROJECT NO: 2731.01 DA0001 B





SITE

SITE ANALYSIS Scale: 1:500

LOCATION PLAN

Catholic Metropolitan Cemeteries Trust

WALLACIA GOLF CLUB

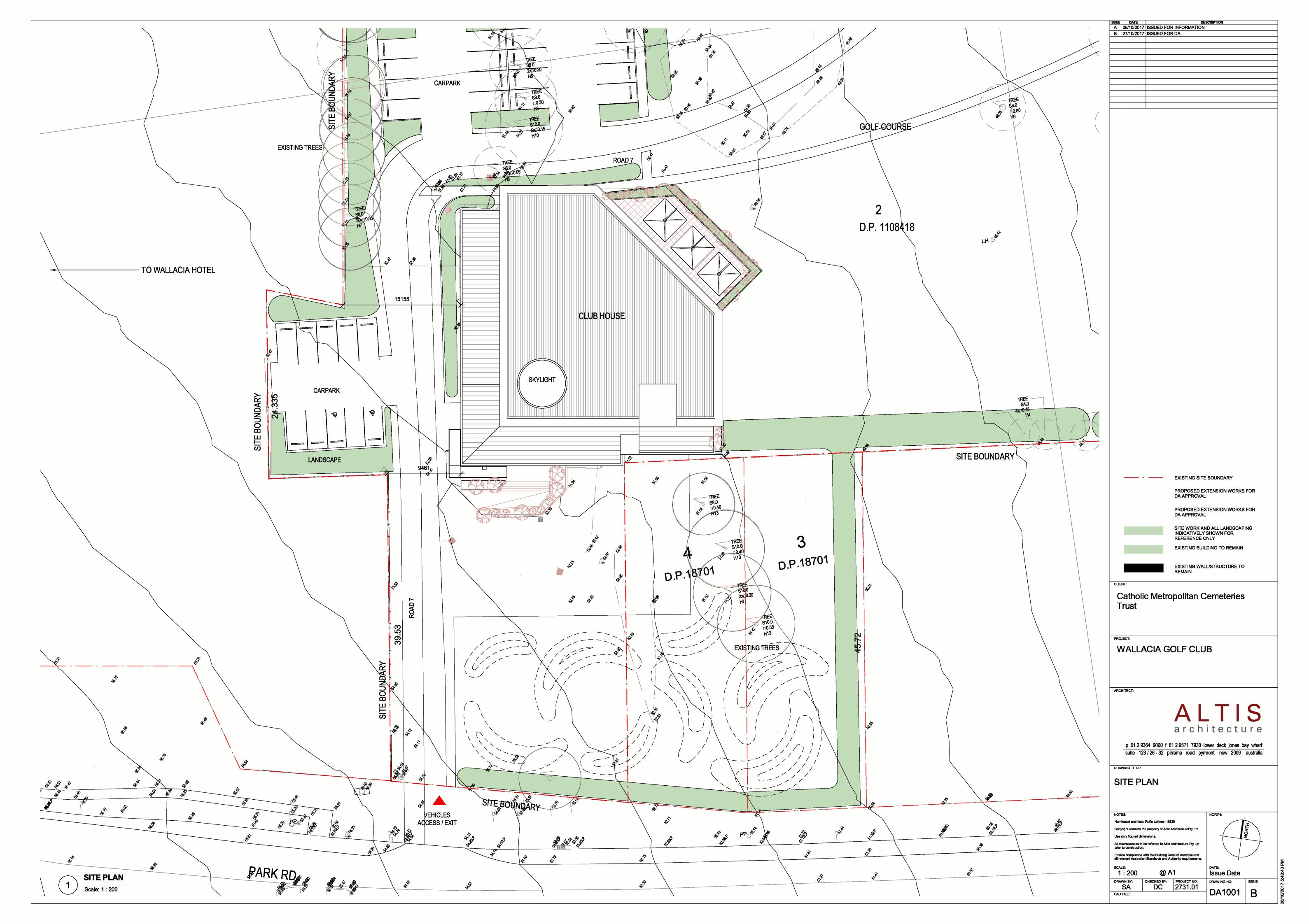
ALTIS architecture

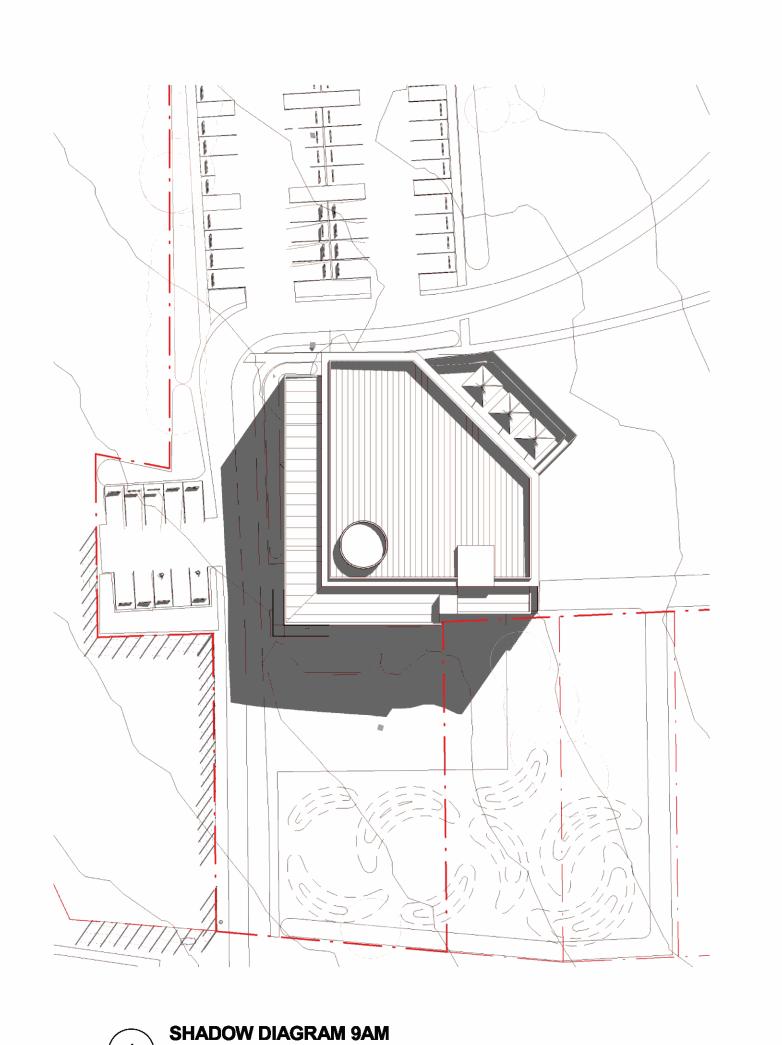
p 61 2 9364 9000 f 61 2 9571 7930 lower deck jones bay wharf suite 123 / 26 - 32 pirrama road pyrmont nsw 2009 australia

SITE ANALYSIS AND LOCATION PLAN

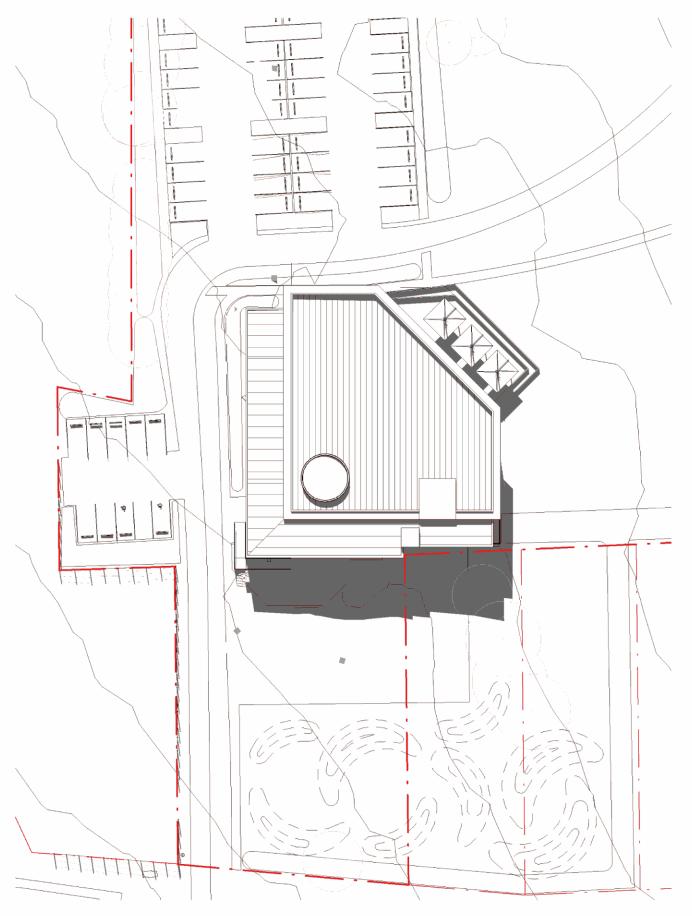
Nominated architect: Rolfe Latimer: 5535 Copyright remains the property of Altis ArchitecturePty Ltd. Use only figured dimensions. All discrepancies to be referred to Altis Architecture Pty Ltd prior to construction. Ensure compliance with the Building Code of Australia and all relevant Australian Standards and Authority requirements. Issue Date @ A1 1:500 DRAWN BY: CHECKED BY: PROJECT NO: 2731.01

DA1000 B

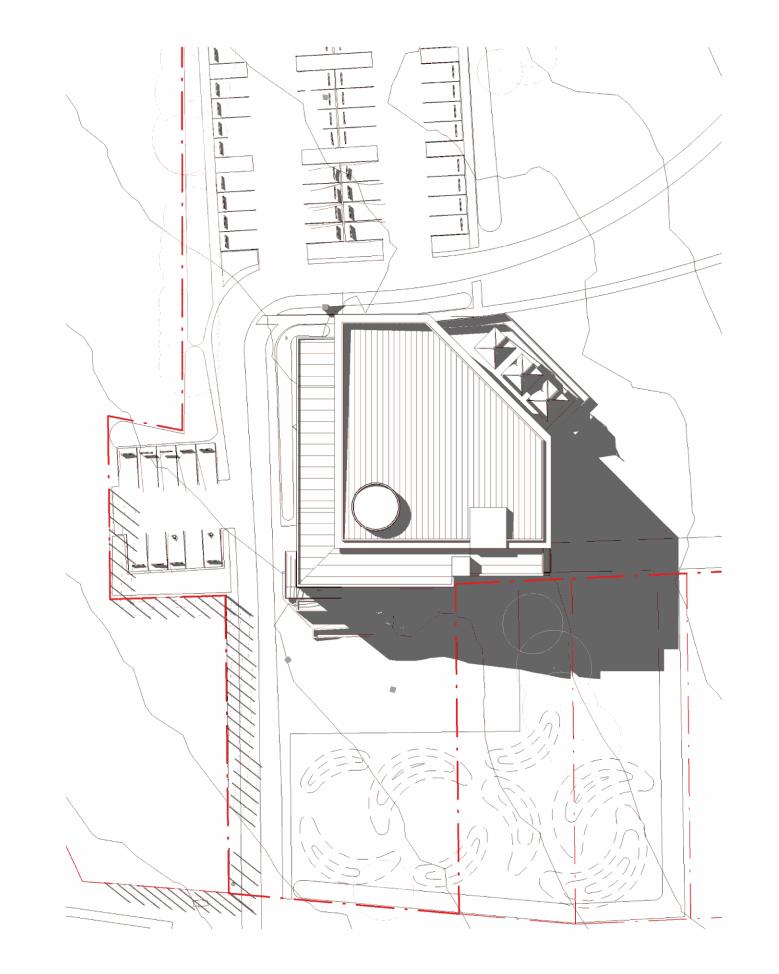




Scale: 1 : 500







SHADOW DIAGRAM 3PM Scale: 1 : 500

EXISTING SITE BOUNDARY

Catholic Metropolitan Cemeteries
Trust

WALLACIA GOLF CLUB

ARCHITECT:

ALTIS architecture

p 61 2 9364 9000 f 61 2 9571 7930 lower deck jones bay wharf suite 123 / 26 - 32 pirrama road pyrmont nsw 2009 australia

SCALE: 1:500

SHADOW DRIAGRAM

Nominated architect: Rolfe Latimer: 5535 Copyright remains the property of Altis ArchitecturePty Ltd. Use only figured dimensions. All discrepancies to be referred to Altis Architecture Pty Ltd prior to construction. Ensure compliance with the Building Code of Australia and all relevant Australian Standards and Authority requirements.

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Issue Date DA1002 B

