

SANTA SOPHIA CATHOLIC COLLEGE

THE GABLES TOWN CENTRE

PROPOSED DRIVEWAY CIVIL WORKS

GENERAL NOTES				
1. Contractor must verify all dimensions and existing levels on site prior to commencement of works. Any discrepancies to be reported to the Engineer.				
2. Strip all topsoil from the construction area. All stripped topsoil shall be disposed of off-site unless directed otherwise.				
3. Make smooth connection with all existing works.				
4. Compact subgrade under buildings and pavements to minimum 98% standard maximum dry density in accordance with AS 1289 5.1.1. Compaction under buildings to extend 2m minimum beyond building footprint.				
5. All work on public property, property which is to become public property, or any work which is to come under the control of the Statutory Authority, the Contractor is to ensure that the drawings used for construction have been approved by all relevant authorities prior to commencement site.				
6. All work on public property, property which is to become public property, or any work which is to come under the control of the Statutory Authority is to be carried out in accordance with the requirements of the relevant Authority. The Contractor shall obtain these requirements from the Authority. Where the requirements of the Authority are different to the drawings and specifications, the requirements of the Authority shall be applicable.				
7. For all temporary batters refer to geotechnical recommendations.				
REFERENCE DRAWINGS				
1. These drawings have been based from, and to be read in conjunction with the following Consultants drawings. Any conflict to the drawings must be notified immediately to the Engineer.				
Consultant	Dwg Title	Dwg No	Rev	Date
ENSPIRE (CIVIL)	ROAD DESIGN SURFACE	180004	-	24.01.20
C.M.S. (SURVEY)	SURVEY PLAN	18424	1	20.03.19
DOUGLAS PARTNERS (GEOTECH)	GEOTECHNICAL INVESTIGATION	94526.00	1	29.03.19
GROUND INK (LANDSCAPE)	LEVEL 00 GA PLAN	GI-DD-XX-00-001	K	01.04.20
	LEVEL 01 GA PLAN	GI-DD-XX-01-001	K	01.04.20
BVN (ARCH)	GA PLAN LEVEL 00	A10-00-00	B	01.04.20
	GA PLAN LEVEL 01	A10-01-00	C	01.04.20
NORTHROP (STRUCTURAL)	LEVEL 00 SLAB PLAN	S02.00	A	31.03.20
	LEVEL 01 SLAB PLAN	S02.10	C	24.04.20
BULK EARTHWORKS NOTES				
1. All bulk earthworks setout from grid lines U.N.O.				
2. All batters at a slope of 2 (H) : 1 (V) U.N.O.				
3. Excavated material may be used as structural fill provided, (i) it complies with the specification requirements for fill material, (ii) the placement moisture content complies with the Geotechnical Consultants requirements, and allows filling to be placed and proofrolled in accordance with the specification. Where necessary the Contractor must moisture condition the excavated material to meet these requirements.				
4. Compact fill areas and subgrade to not less than:				
Location	Standard dry density (AS 1289 5.1.1.)	Moisture (OMC)		
Under building slabs on ground:	98%	±2%		
Under roads and carparks:	98%	±2%		
Landscape areas:	95%	±2%		
5. Before placing fill, proof roll exposed subgrade with a 10 tonne minimum roller to test subgrade and then remove soft spots (areas with more than 3mm movement under roller). Soft spots to be replaced with Select fill U.N.O.				
6. Contractor shall place safety barriers around excavations in accordance with relevant safety regulations.				
7. For interpretation of bulk earthworks foot print line shown on the bulk earthworks drawings refer to the bulk earthworks construction legend.				
8. Bulk earthwork drawings are not to be used for detailed excavation.				
9. Refer to Geotechnical Report prepared by – Douglas Partners Report No. 94526.00 (March 2019)				

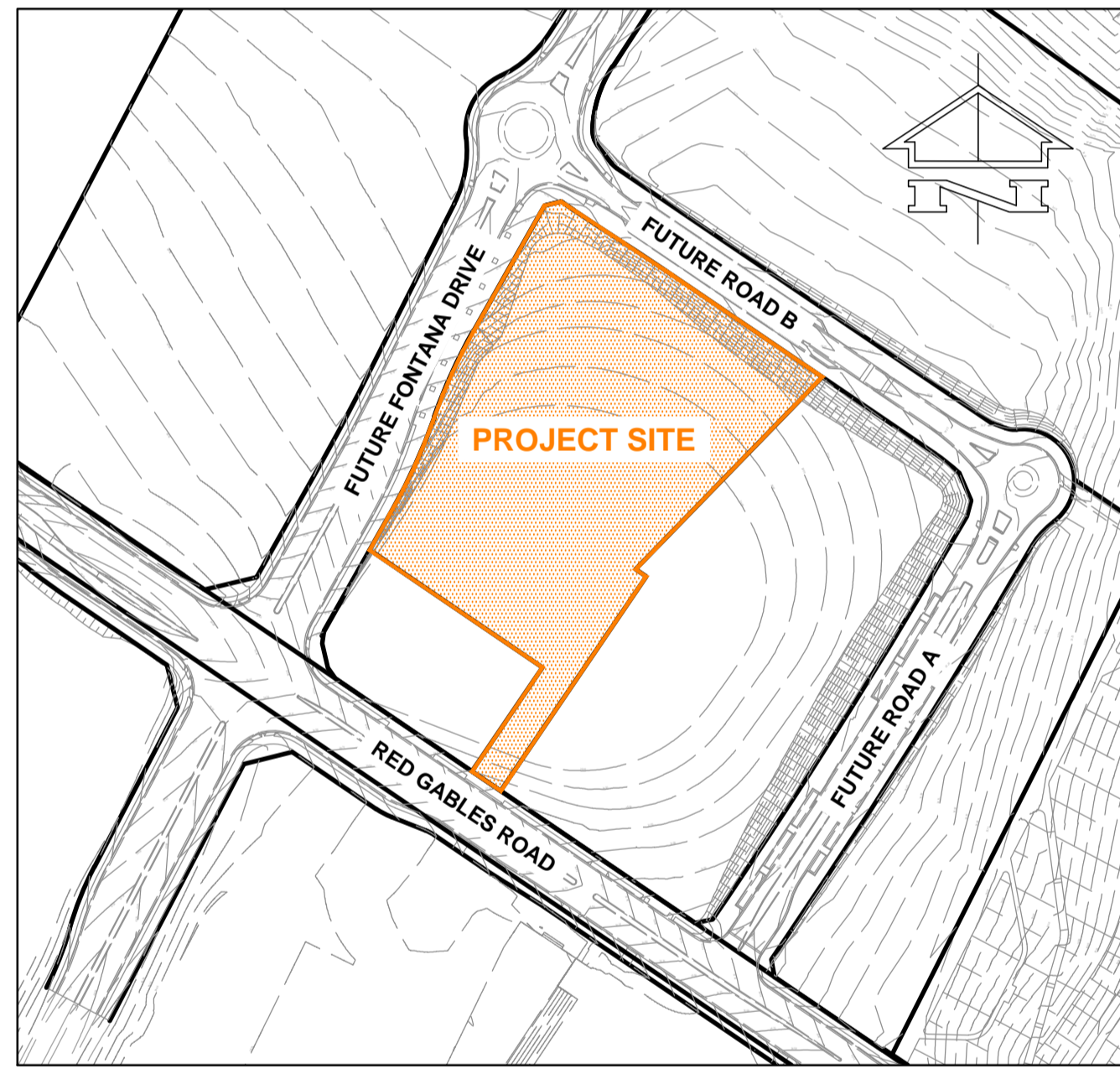
SURVEY AND SERVICES INFORMATION	
SURVEY	
Origin of levels :	PM 58217 RL40.547
Datum of levels :	A.H.D. AUSTRALIAN HEIGHT DATUM
Coordinate system :	ISG OR MGA OR LOCAL
Survey prepared by :	C.M.S SURVEYORS
Setout Points :	CONTACT THE SURVEYOR
Taylor Thomson Whitting does not guarantee that the survey information shown on these drawings is accurate and will accept no liability for any inaccuracies in the survey information provided to us from any cause whatsoever.	
UNDERGROUND SERVICES - WARNING	
The locations of underground services shown on Taylor Thomson Whittings drawings have been plotted from diagrams provided by service authorities. This information has been prepared solely for the authorities own use and may not necessarily be updated or accurate.	
The position of services as recorded by the authority at the time of installation may not reflect changes in the physical environment subsequent to installation.	
Taylor Thomson Whitting does not guarantee that the services information shown on these drawings shows more than the presence or absence of services, and will accept no liability for inaccuracies in the services information shown from any cause whatsoever.	
The Contractor must confirm the exact location and extent of services prior to construction and notify any conflict with the drawings immediately to the Engineer/Superintendent.	
The contractor is to get approval from the relevant state survey department, to remove/adjust any survey mark. This includes but is not limited to; State Survey Marks (SSM), Permanent Marks (PM), cadastral reference marks or any other survey mark which is to be removed or adjusted in any way.	
Taylor Thomson Whitting plans do not indicate the presence of any survey mark. The contractor is to undertake their own search.	
SITWORKS NOTES	
1. All basecourse material to comply with RMS specification No 3051 and compacted to minimum 98% modified standard dry density in accordance with AS 1289 5.2.1.	
2. All trench backfill material shall be compacted to the same density as the adjacent material.	
3. All service trenches under vehicular pavements shall be backfilled with an approved select material and compacted to a minimum 98% standard maximum dry density in accordance with AS 1289 5.1.1	
BOUNDARY AND EASEMENT NOTE	
The property boundary and easement locations shown on Taylor Thomson Whitting drawings have been based from information received from : C.M.S SURVEYORS	
Taylor Thomson Whitting makes no guarantees that the boundary or easement information shown is correct.	
Taylor Thomson Whitting will accept no liabilities for boundary inaccuracies. The contractor/builder is advised to check/confirm all boundaries in relation to all proposed work prior to the commencement of construction. Boundary inaccuracies found are to be reported to the superintendent prior to construction starting.	

SAFETY IN DESIGN	
Contractor to refer to Appendix B of the Civil Specification for the Civil Risk and Solutions Register.	
EXISTING SERVICES	
Contractor to be aware existing services are located within the site. Location of all services to be verified by the Contractor prior to commencing works. Contractor to confirm with relevant authority regarding measures to be taken to ensure services are protected or procedures are in place to demolish and/or relocate.	
EXISTING STRUCTURES	
Contractor to be aware existing structures may exist within the site. To prevent damage to existing structure(s) and/or personnel, site works to be carried out as far as practically possible from existing structure(s).	
EXISTING TREES	
Contractor to be aware existing trees exist within the site which need to be protected. To prevent damage to trees and/or personnel, site works to be carried out as far as practically possible from existing trees. Advice needs to be sought from Arborist and/or Landscape Architect on measures required to protect trees.	
GROUNDWATER	
Contractor to be aware ground water levels are close to existing surface level. Temporary de-watering may be required during construction works.	
EXCAVATIONS	
Deep excavations due to stormwater drainage works is required. Contractor to ensure safe working procedures are in place for works. All excavations to be fenced off and batters adequately supported to approval of Geotechnical Engineer.	
GROUND CONDITIONS	
Contractor to be aware of the site geotechnical conditions. Refer to geotechnical report by Douglas Partners for details.	
HAZARDOUS MATERIALS	
Existing asbestos products & contaminated material may be present on site. Contractor to ensure all hazardous materials are identified prior to commencing works. Safe working practices as per relevant authority to be adopted and appropriate PPE to be used when handling all hazardous materials. Refer to geotechnical/environmental report by Douglas Partners for details.	
CONFINED SPACES	
Contractor to be aware of potential hazards due to working in confined spaces such as stormwater pits, trenches and/or tanks. Contractor to provide safe working methods and use appropriate PPE when entering confined spaces.	
MANUAL HANDLING	
Contractor to be aware manual handling may be required during construction. Contractor to take appropriate measures to ensure manual handling procedures and assessments are in place prior to commencing works.	
WATER POLLUTION	
Contractor to ensure appropriate measures are taken to prevent pollutants from construction works contaminating the surrounding environment.	
SITE ACCESS/EGRESS	
Contractor to be aware site works occur in close proximity to footpaths and roadways. Contractor to erect appropriate barriers and signage to protect site personnel and public.	
VEHICLE MOVEMENT	
Contractor to supply and comply with traffic management plan and provide adequate site traffic control including a certified traffic marshal to supervise vehicle movements where necessary.	

KERBING NOTES	
Includes all kerbs, gutters, dish drains, crossings and edges.	
1. All kerbs, gutters, dish drains and crossings to be constructed on minimum 75mm granular basecourse compacted to minimum 98% modified maximum dry density in accordance with AS 1289 5.2.1.	
2. Expansion joints (EJ) to be formed from 10mm compressible cork filler board for the full depth of the section and cut to profile. Expansion joints to be located at drainage pits, on tangent points of curves and elsewhere at 12m centres except for integral kerbs where the expansion joints are to match the joint locations in slabs.	
3. Weakened plane joints to be min 3mm wide and located at 3m centres except for integral kerbs where weakened plane joints are to match the joint locations in slabs.	
4. Broomed finished to all ramped and vehicular crossings, all other kerbing or dish drains to be steel float finished.	
5. In the replacement of kerbs – Existing road pavement is to be sawcut 900mm from lip of gutter. Upon completion of new kerbs, new basecourse and surface is to be laid 900mm wide to match existing materials and thicknesses. Existing allotment drainage pipes are to be built into the new kerb with a 100mm dia hole. Existing kerbs are to be completely removed where new kerbs are shown.	
CONCRETE FINISHING NOTES	
1. All exposed concrete pavements are to be broomed finished.	
2. All edges of the concrete pavement including keyed and dowelled joints are to be finished with an edging tool.	
3. Concrete pavements with grades greater than 10 % shall be heavily broomed finished.	
4. Carborundum to be added to all stair treads and ramped crossings U.N.O.	
REINFORCEMENT NOTES	
1. Fix reinforcement as shown on drawings. The type and grade is indicated by a symbol as shown below. On the drawings this is followed by a numeral which indicates the size in millimetres of the reinforcement.	
N. Hot rolled ribbed bar	grade D500N
R. Plain round bar	grade R250N
SL. Square mesh	grade 500L
RL. Rectangular mesh	grade 500L
2. Provide bar supports or spacers to give the following concrete cover to all reinforcement unless otherwise noted on drawings.	
Footings	- 50 top, 50 bottom, 50 sides.
Walls	- 30 generally, - 30 when cast in forms but later exposed to weather or ground. - .. when cast directly in contact with ground.
3. Cover to reinforcement ends to be 50 mm u.n.o.	
4. Provide N12-450 support bars to top reinforcement as required. Lap 500 U.N.O.	
5. Maintain cover to all pipes, conduits, relets, drip grooves etc.	
6. All cogs to be standard cogs unless noted otherwise.	
7. Fabric end and side laps are to be placed strictly in accordance with the manufacturers requirements to achieve a full tensile lap. Fabric shall be laid so that there is a maximum of 3 layers at any location.	
FABRIC LAPS	
25	
8. Laps in reinforcement shall be made only where shown on the drawings unless otherwise approved. Lap lengths as per table below.	

JOINTING NOTES	
Vehicular Pavement Jointing	
1. All vehicular pavements to be jointed as shown on drawings.	
2. Keyed construction joints should generally be located at a maximum of 6m centres.	
3. Sawn joints should generally be located at a maximum of 6m centres or 1.5 x the spacing of keyed joints, where key joint spacing is less than 4m, with dowelled expansion joints at maximum of 30m centres.	
4. Provide 10mm wide full depth expansion joints between buildings and all concrete or unit pavers.	
5. The timing of the saw cut is to be confirmed by the contractor on site. Site conditions will determine how many hours after the concrete pour before the saw cuts are commenced. Refer to the specification for weather conditions and temperatures required.	
6. Vehicular pavement jointing as follows.	
Pedestrian Footpath Jointing	
1. Expansion joints are to be located where possible at tangent points of curves and elsewhere at max 6.0m centres.	
2. Weakened plane joints are to be located at a max 1.5 x width of the pavement.	
3. Where possible joints should be located to match kerbing and / or adjacent pavement joints.	
4. All pedestrian footpath jointings as follows (uno).	

DRAWING SCHEDULE	
DRG No	DRAWING TITLE
C400	COVER SHEET AND GENERAL NOTES
C401	LOCALITY PLAN
C410	FONTANA DRIVE DRIVEWAY PLAN & SECTIONS
C411	FUTURE ROAD B DRIVEWAY PLAN & SECTIONS
C420	DETAILS SHEET



LOCALITY PLAN
NOT TO SCALE

TO BE READ IN CONJUNCTION WITH HILLS SHIRE COUNCIL DRIVEWAY SPECIFICATION, TTW CIVIL SPECIFICATION AND ALL STANDARDS AND GUIDELINES AS NOTED

PRELIMINARY

Filename: C400.dwg - USER: darcum - Plot File Created: Aug 11, 2020 - 3:03pm

A1	0	1	2	3	4	5	6	7	8	9	10
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Rev	Description	Eng	Draft	Date	Rev	Description	Eng	Draft	Date	Rev	Description	Eng	Draft	Date
P1	PRELIMINARY	DM	SH	11.08.20										

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Project

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Sheet Subject

COVER SHEET AND GENERAL NOTES

Scale: A1	Drawn: DM	Authorised:
Job No: 181896	Drawing No: C400	Revision: P1
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