Planning, Industry & Environment

Issued under the Environmental Planning and Assessment Act 1979

Approved Section: 4.55 (1A) Approved Application no: SSD-9772-Mod-1

Granted on: 28 Oct 2020 Sheet no: 1 of 5 Signed:

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%
Landscaped 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.

SITEWORKS 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 drawing's 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 practicably 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 practicably 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 marshall to supervise vehicle movements where necessary.

KERBING NOTES

Includes all kerbs, gutters, dish drains, crossings and edges.

1. All kerbs, gutters, dish droins 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

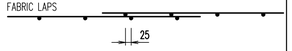
2. Provide bar supports or spacers to give the following concrete cover to all reinforcement unless otherwise noted on drawings.

   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, reglets, 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

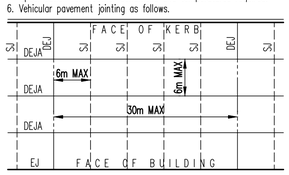


8. Laps in reinforcement shall be made only where shown on the drawings unless otherwise approved. Lap lengths as per table below.

JOINTING NOTES

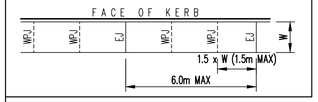
Vehicular Pavement Jointing

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.



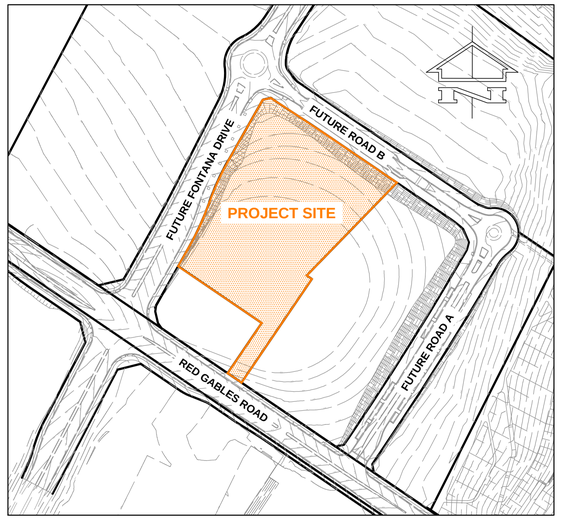
Pedestrian Footpath Jointing

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: duncanm – Plot File Created: Aug 11, 2020 - 3:03pm

A1 0 1 2 3 4 5 6 7 8 9 10

Rev	Description	Eng	Draft	Date
P1	PRELIMINARY	DM	SH	11.08.20

Architect
BVN
Telephone +61 7 3852 2525
Facsimile +61 7 3852 2544
www.bvn.com.au

Civil Engineer
TTW Taylor Thomson Whitting
612 9439 7288 | 48 Chandos Street St Leonards NSW 2065

Project
SANTA SOPHIA CATHOLIC COLLEGE
THE GABLES TOWN CENTRE

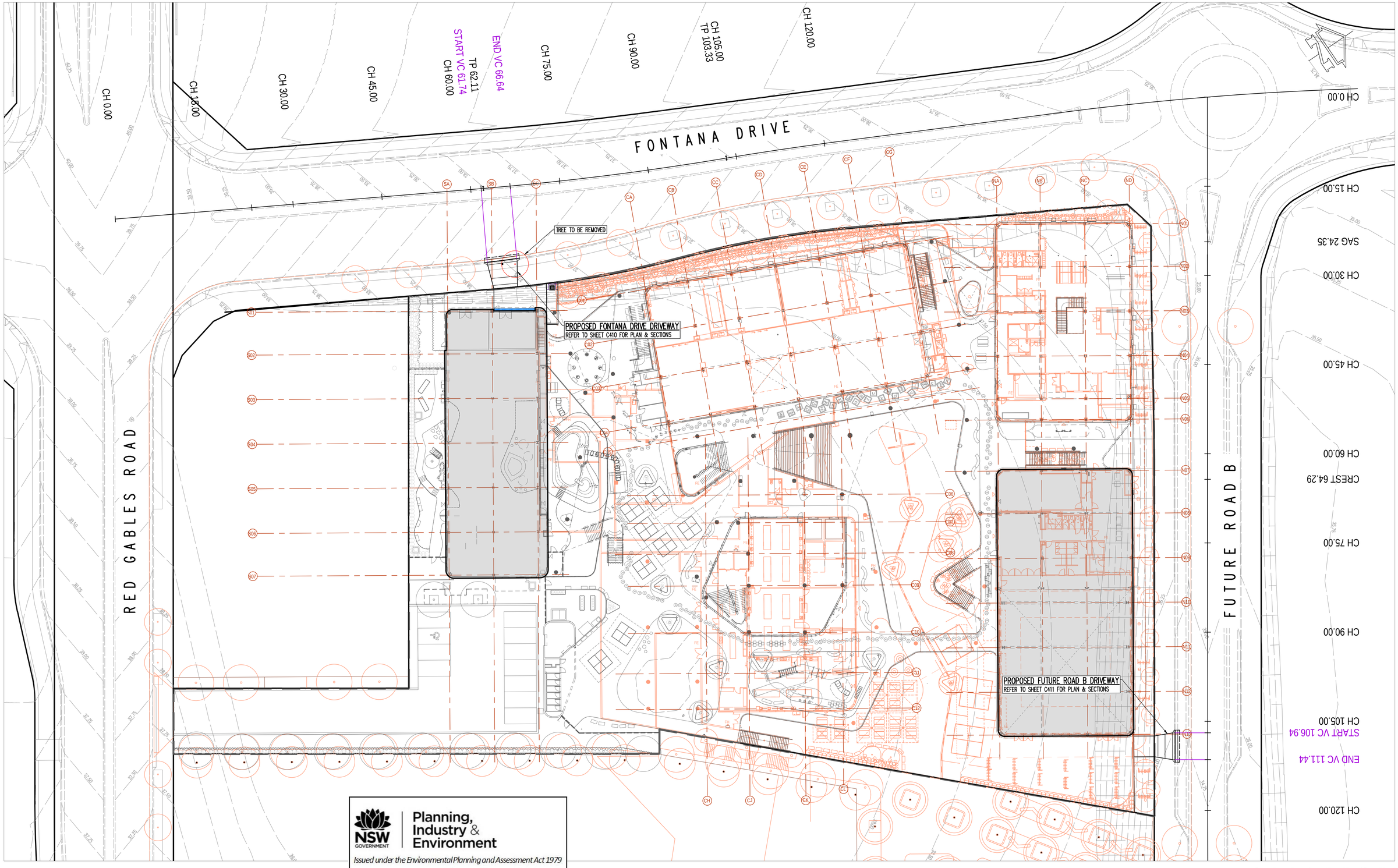
Sheet Subject
COVER SHEET AND GENERAL NOTES

Scale : A1 - | Drawn DM | Authorised

Job No 181896 | Drawing No C400 | Revision P1

Plot File Created: Aug 11, 2020 - 3:03pm

THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT NOTES ON DRAWING **C400**



NSW GOVERNMENT | Planning, Industry & Environment

Issued under the Environmental Planning and Assessment Act 1979

Approved Section: 4.55 (1A) Approved Application no: SSD-9772-Mod-1

Granted on: 28 Oct 2020 Sheet no: 2 of 5 Signed:

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

0 3 6 9 12 15 18 21 24m

1:300 A1 1:600 A3

PRELIMINARY

FileName: C401.dwg – USER: dunsmm – Plot File Created: Sep 09, 2020 – 12:28pm

A1 0 1 2 3 4 5 6 7 8 9 10

Rev	Description	Eng	Draft	Date
P3	PRELIMINARY	DM	SH	09.09.20
P2	PRELIMINARY	DM	SH	01.09.20
P1	PRELIMINARY	DM	SH	11.08.20

Architect

BVN

Telephone +61 7 3852 2525
Facsimile +61 7 3852 2544
www.bvn.com.au

Civil Engineer

TTW Taylor Thomson Whitting

612 9439 7288 | 48 Chandos Street St Leonards NSW 2065

Project

SANTA SOPHIA CATHOLIC COLLEGE

THE GABLES TOWN CENTRE

Sheet Subject

LOCALITY PLAN

Scale : A1 1:300

Drawn DM

Authorised

Job No 181896

Drawing No C401

Revision P3

Plot File Created: Sep 09, 2020 - 12:28pm

THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT NOTES ON DRAWING **C400**

SITEWORKS LEGEND

● F22.20	Finished surface level
22.20	Finished surface major contour 0.2m interval
21.95	Finished surface minor contour 0.05m interval
K&G	Kerb and gutter
VC	Hills Shire Council Vehicle crossing. Refer detail on Sheet C420
	Stormwater pit
GD	Grated drain

PAVEMENT LEGEND

Asphaltic concrete shall conform to AS2150 and the specification

P1 — **Asphalt Road Pavement Reinstatement**
125mm thickness asphaltic concrete (AC10) on
Compacted subgrade to min 3% CBR

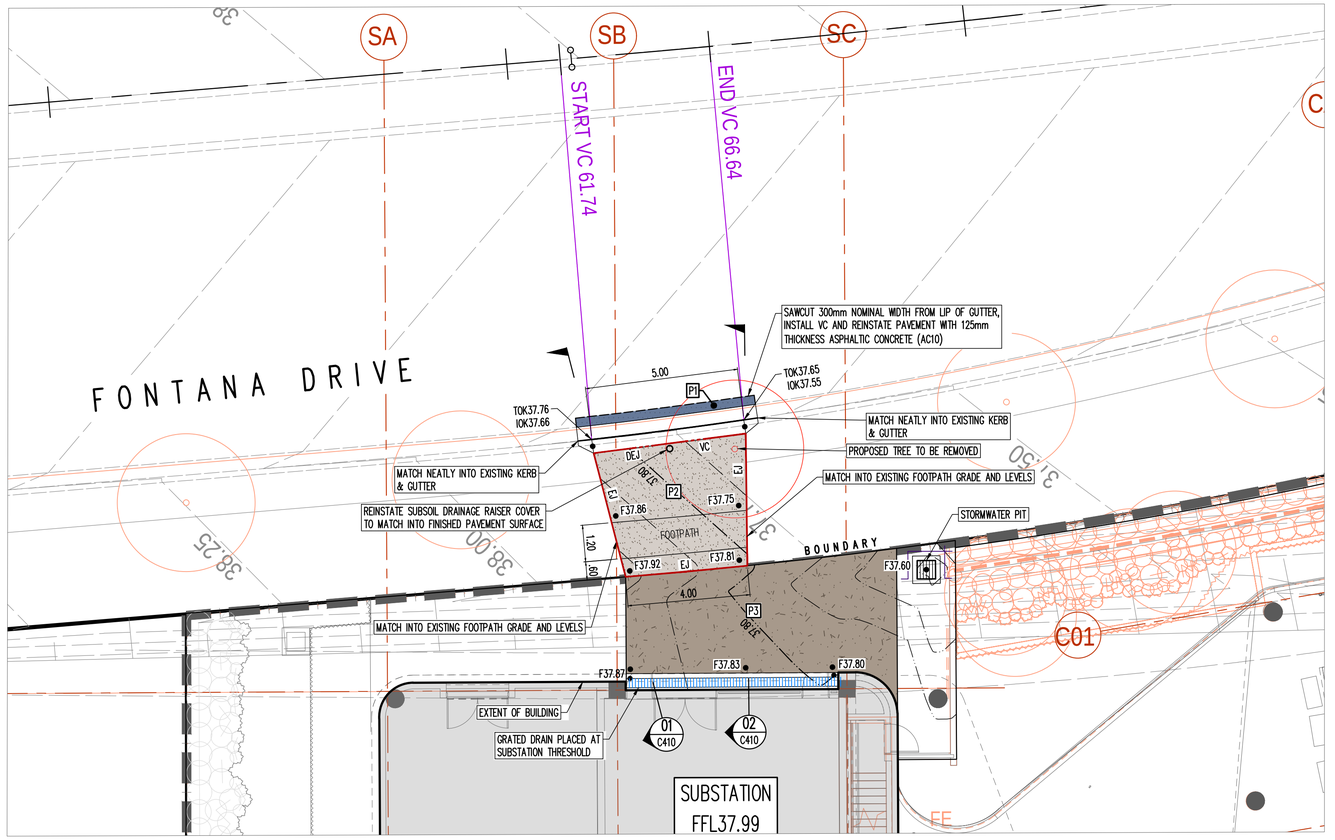
P2 — **Concrete Driveway Pavement**
150mm thickness concrete (f'c = 32MPa)
with SL72 fabric (40 cover) on
100mm compacted thickness fine crushed rock (DGB20) on
Compacted subgrade to min 3% CBR

P3 — **Vehicular Concrete Pavement**
170mm thickness concrete (f'c = 32MPa)
on with SL92 fabric (40 cover) on
100mm compacted thickness fine crushed rock (DGB20) on
Compacted subgrade to min 3% CBR

P4 — **Vehicular Pavers on Concrete Pavement**
60mm thickness paver to landscape architect's specification on
30mm mortar bedding on
170mm thickness concrete (f'c = 32MPa)
with SL92 fabric (40 cover) on
100mm compacted thickness fine crushed rock (DGB20) on
Compacted subgrade to min 3% CBR

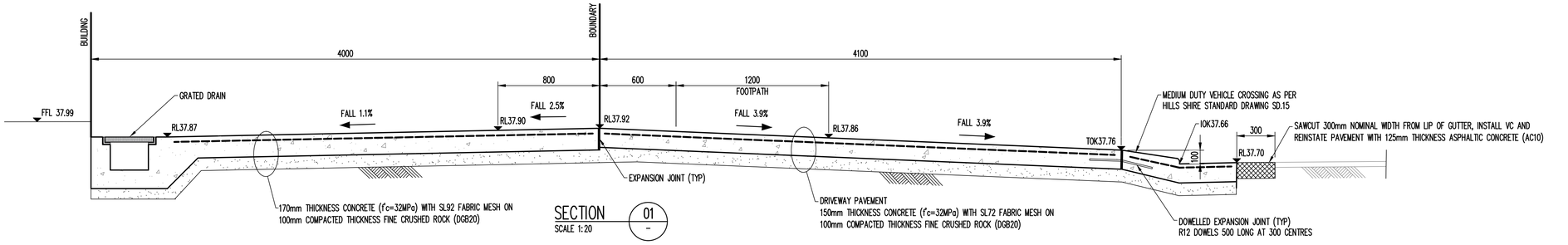
DEJ — Dowelled expansion joint

EJ — Expansion joint

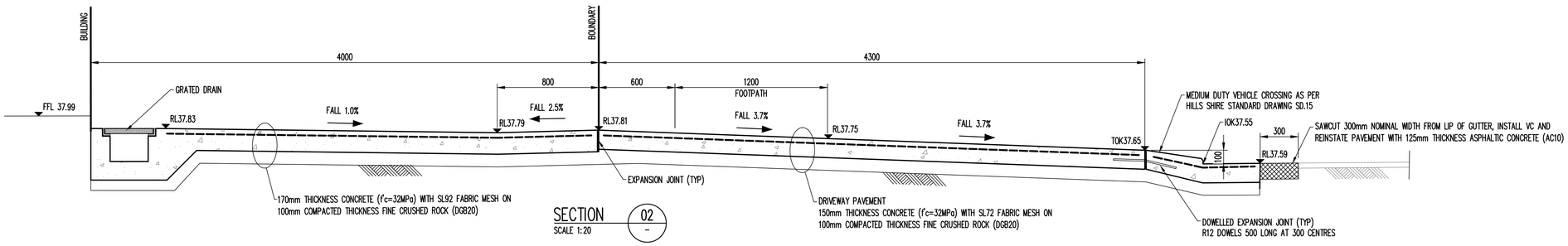


DRIVEWAY PLAN

SCALE 1: 100



SECTION 01 — SCALE 1:20



SECTION 02 — SCALE 1:20

NSW GOVERNMENT | Planning, Industry & Environment

Issued under the Environmental Planning and Assessment Act 1979

Approved Section: 4.55 (1A) Approved Application no: SSD-9772-Mod-1

Granted on: 28 Oct 2020 Sheet no: 3 of 5 Signed:

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

0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6m

1:20 A1 1:40 A3

0 1 2 3 4 5 6 7 8m

1:100 A1 1:200 A3

PRELIMINARY

FileName: C410.dwg - USER: dvncomm - Plot File Created: Sep 09, 2020 - 12:28pm

A1 0 1 2 3 4 5 6 7 8 9 10

Rev	Description	Eng	Draft	Date
P3	PRELIMINARY	DM	SH	09.09.20
P2	PRELIMINARY	DM	SH	01.09.20
P1	PRELIMINARY	DM	SH	11.08.20

Rev Description Eng Draft Date | Rev Description Eng Draft Date

Architect

BVN

Telephone +61 7 3852 2525
Facsimile +61 7 3852 2544
www.bvn.com.au

Civil Engineer

TTW Taylor Thomson Whitting

612 9439 7288 | 48 Chandos Street St Leonards NSW 2065

Project

SANTA SOPHIA CATHOLIC COLLEGE

THE GABLES TOWN CENTRE

Sheet Subject

FONTANA DRIVE DRIVEWAY PLAN & SECTIONS

Scale : A1 1:100,1:20 | Drawn DM | Authorised

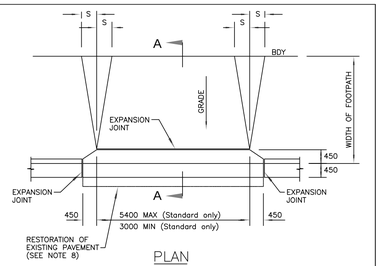
Job No 181896 | Drawing No C410 | Revision P3

Plot File Created: Sep 09, 2020 - 12:28pm

THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT NOTES ON DRAWING **C400**

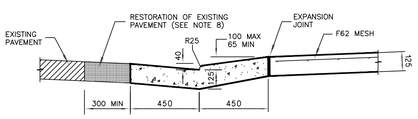
NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES.
2. STEEL FABRIC TO BE PLACED A MINIMUM OF 40mm AND A MAXIMUM 60mm BELOW THE CONCRETE SURFACE LEVEL.
3. CONCRETE USED IN THE WORK SHALL DEVELOP A MINIMUM CRUSHING STRENGTH OF 25 MPa AFTER 28 DAYS.
4. GUTTER CROSSING TO BE POURED BEFORE AND SEPARATELY FROM FOOTPATH CROSSING.
5. EXPOSED LENGTH OF DOWEL FROM GUTTER CROSSING POUR TO BE COATED WITH "BRUSHDALE DURASEAL" OR EQUIVALENT PRIOR TO POURING FOOTPATH SLAB.
6. REFER TO ELECTRICITY SUPPLIER FOR LOCATION OF CABLE DUCTS.
7. TELECOMMUNICATIONS SUPPLIER REQUIRES THAT CONDUITS BE PROVIDED UNDER FOOTPATH CROSSING. THREE WORKING DAYS NOTICE REQUIRED TO ARRANGE INSTALLATION.
8. PROVIDE SAWCUT TO EDGE OF DAMAGED PAVEMENT PRIOR TO RESTORATION WITH FULL DEPTH ASPHALTIC CONCRETE (AC 10)

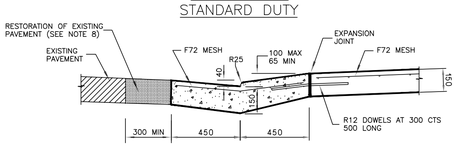


PLAN

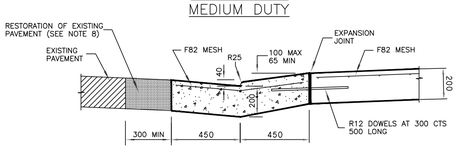
CROSSING TYPE	S
STANDARD DUTY	1000 mm MAXIMUM
MEDIUM DUTY	500 mm MINIMUM
HEAVY DUTY	500 mm MINIMUM



SECTION A–A
STANDARD DUTY

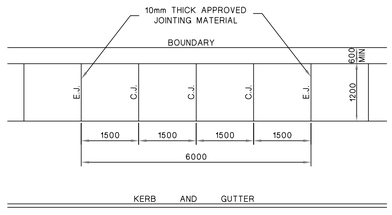


SECTION A–A
MEDIUM DUTY



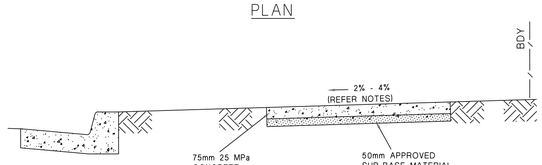
SECTION A–A
HEAVY DUTY

THE HILLS SHIRE COUNCIL		DATE:	AUG. 2010
GUTTER & FOOTPATH CROSSING		DRAWING No.:	SD.15

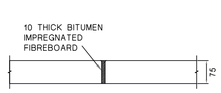


E.J. - EXPANSION JOINT (FULL DEPTH OF CONCRETE).
C.J. - CONTRACTION JOINT.

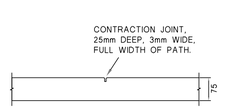
PLAN



TYPICAL SECTION



EXPANSION JOINT
AT 12000 MAX. INTERVALS

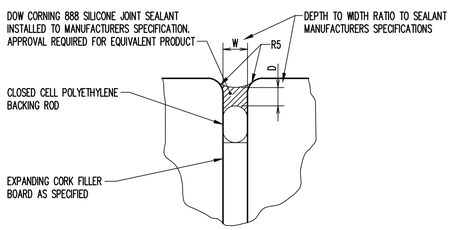


TRANSVERSE CONTRACTION JOINT
AT 3000 MAX. SPACING

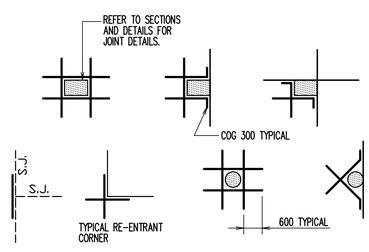
NOTES

1. ALL DIMENSIONS ARE IN MILLIMETRES.
2. RAMP TO BE PROVIDED WITH NON SLIP (BROOM) FINISH.
3. PREFERRED CROSSFALL SHALL BE 2.5%.
4. WHERE CONSTRUCTED ADJACENT TO VACANT LAND, INCREASE CONCRETE DEPTH TO 125mm WITH F62 MESH.
5. WHERE THERE IS AN EXISTING DRIVEWAY, INCREASE CONCRETE DEPTH TO 125mm WITH F62 MESH FOR 1.5m ON EACH SIDE OF DRIVEWAY.
6. ALL EXPOSED CONCRETE EDGES TO BE ROUNDED TO A 5mm RADIUS.

THE HILLS SHIRE COUNCIL		DATE:	FEB. 2015
FOOTPATH PAVING AND JOINTING DETAILS		DRAWING No.:	SD.18



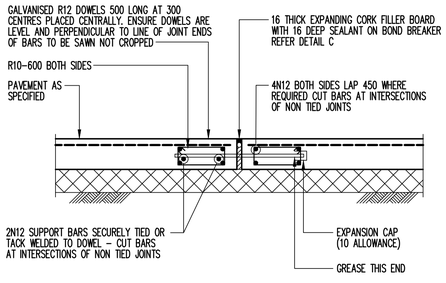
DETAIL C
NTS



ALL TRIMMERS TO BE 2N12 U.N.O.

TYPICAL SLAB ON GROUND TRIMMER DETAILS

AT ALL COLUMNS, WALLS, PITS, FLOOR WASTES, ETC THAT CAUSE A PENETRATION THROUGH THE SLAB.



DOWELLED EXPANSION JOINT (DEJ)

SCALE 1: 20

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

PRELIMINARY

NSW GOVERNMENT Planning, Industry & Environment

Issued under the Environmental Planning and Assessment Act 1979

Approved Section: 4.55 (1A) Approved Application no: SSD-9772-Mod-1

Granted on: 28 Oct 2020 Sheet no: 4 of 5 Signed:

FileName: C420.dwg - USER: dunsmm - Plot File Created: Aug 11, 2020 - 2:56pm

A1 0 1 2 3 4 5 6 7 8 9 10

Rev	Description	Eng	Draft	Date
P1	PRELIMINARY	DM	SH	11.08.20

Architect
BVN
Telephone +61 7 3852 2525
Facsimile +61 7 3852 2544
www.bvn.com.au

Civil Engineer
Taylor Thomson Whitting
612 9439 7288 | 48 Chandos Street St Leonards NSW 2065

Project
SANTA SOPHIA CATHOLIC COLLEGE
THE GABLES TOWN CENTRE

Sheet Subject
DETAILS SHEET

Scale : A1 | Drawn: DM | Authorised:
Job No: 181896 | Drawing No: C420 | Revision: P1
Plot File Created: Aug 11, 2020 - 2:56pm

THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT NOTES ON DRAWING **C400**

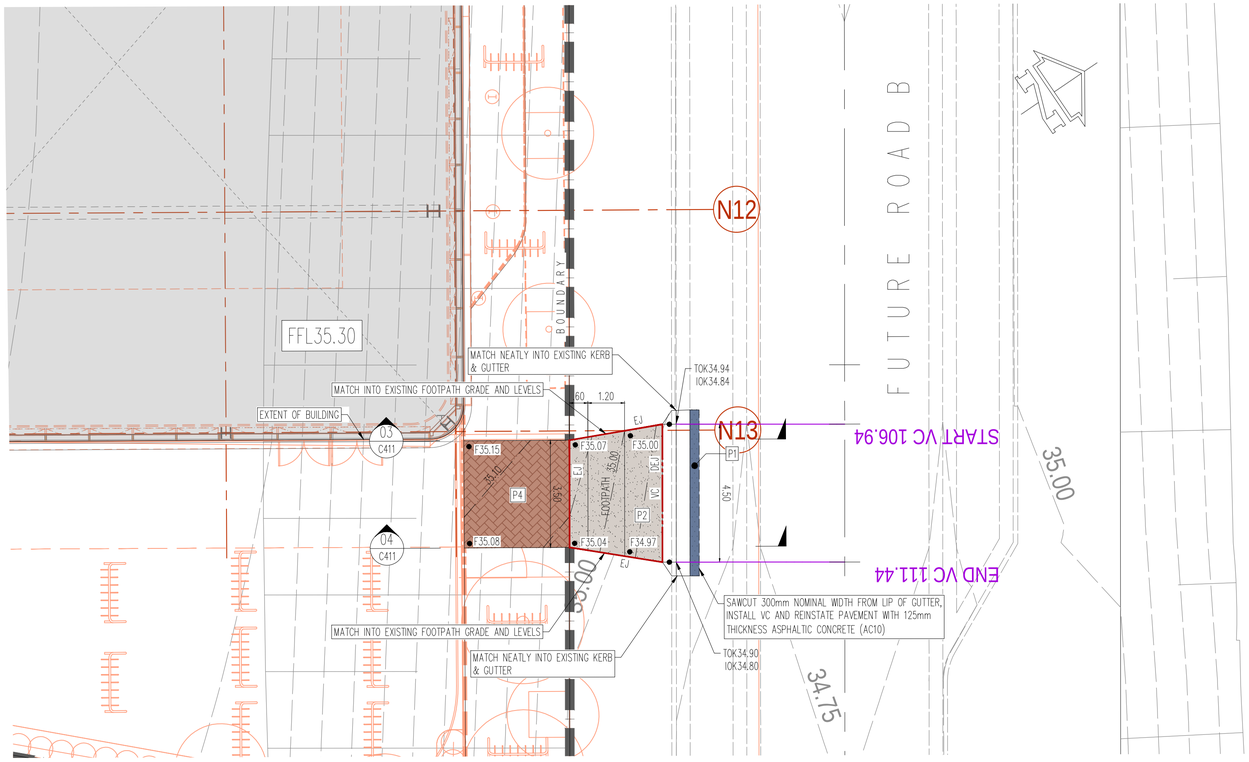
SITEWORKS LEGEND

● F22.20	Finished surface level
22.20	Finished surface major contour 0.2m interval
21.95	Finished surface minor contour 0.05m interval
K&G	Kerb and gutter
VC	Hills Shire Council Vehicle crossing. Refer detail on Sheet C420
	Stormwater pit
GD	Grated drain

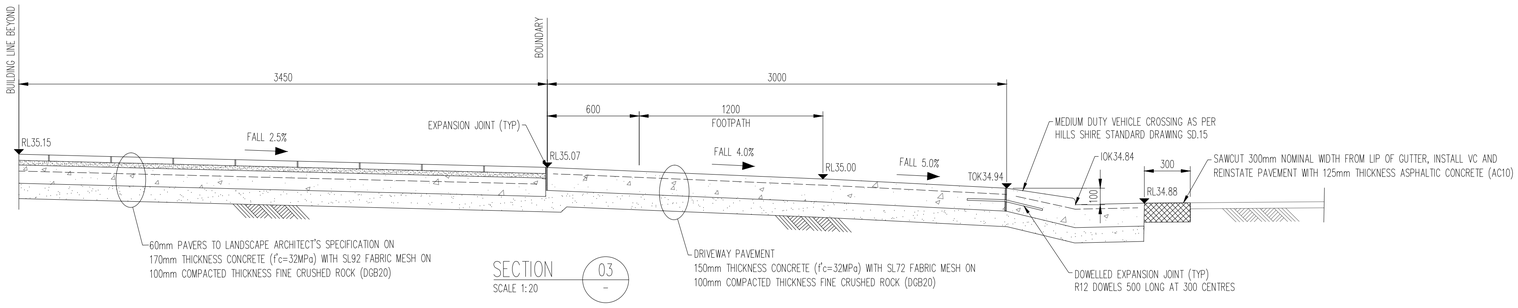
PAVEMENT LEGEND

Asphaltic concrete shall conform to AS2150 and the specification

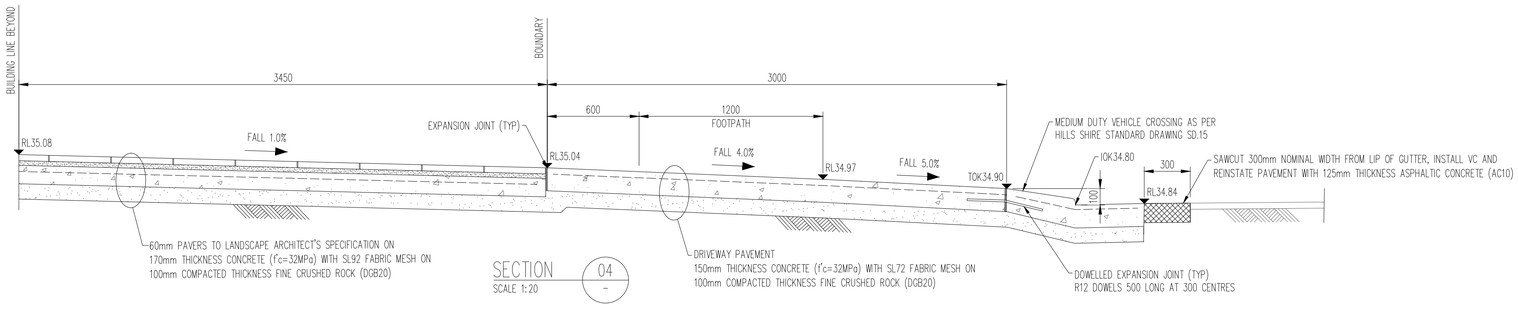
P1	Asphalt Road Pavement Reinstatement 125mm thickness asphaltic concrete (AC10) on Compacted subgrade to min 3% CBR
P2	Concrete Driveway Pavement 150mm thickness concrete (f'c = 32MPa) with SL72 fabric (40 cover) on 100mm compacted thickness fine crushed rock (DGB20) on Compacted subgrade to min 3% CBR
P3	Vehicular Concrete Pavement 170mm thickness concrete (f'c = 32MPa) on with SL92 fabric (40 cover) on 100mm compacted thickness fine crushed rock (DGB20) on Compacted subgrade to min 3% CBR
P4	Vehicular Pavers on Concrete Pavement 60mm thickness paver to landscape architect's specification on 30mm mortar bedding on 170mm thickness concrete (f'c = 32MPa) with SL92 fabric (40 cover) on 100mm compacted thickness fine crushed rock (DGB20) on Compacted subgrade to min 3% CBR
DEJ	Dowelled expansion joint
EJ	Expansion joint



DRIVEWAY PLAN
SCALE 1: 100



SECTION 03
SCALE 1: 20



SECTION 04
SCALE 1: 20

NSW GOVERNMENT Planning, Industry & Environment

Issued under the Environmental Planning and Assessment Act 1979

Approved Section: 4.55 (1A) Approved Application no: SSD-9772-Mod-1

Granted on: 28 Oct 2020 Sheet no: 5 of 5 Signed:

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

0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6m
1:20 A1 1:40 A3

0 1 2 3 4 5 6 7 8m
1:100 A1 1:200 A3

PRELIMINARY

FileName: C411.dwg - USER: dvnorm - Plot File Created: Sep 01, 2020 - 10:41am

A1 0 1 2 3 4 5 6 7 8 9 10

Rev	Description	Eng	Draft	Date
P2	PRELIMINARY	DM	SH	01.09.20
P1	PRELIMINARY	DM	SH	11.08.20

Architect
BVN
Telephone +61 7 3852 2525
Facsimile +61 7 3852 2544
www.bvn.com.au

Civil Engineer
TTW Taylor Thomson Whitting
612 9439 7288 | 48 Chandos Street St Leonards NSW 2065

Project
SANTA SOPHIA CATHOLIC COLLEGE
THE GABLES TOWN CENTRE

Sheet Subject
FUTURE ROAD B DRIVEWAY PLAN & SECTIONS

Scale : A1	Drawn	Authorised
1:100,1:20	DM	

Job No	Drawing No	Revision
181896	C411	P2

Plot File Created: Sep 01, 2020 - 10:41am