

Our Reference: 3075934

30 March 2015

Rohan Jarvis
Breese Pitt Dixon Pty Ltd
U 1 19 Cato Street
Hawthorn East Vic 3123

Dear Rohan,

Re: Road and Drainage Plans - Aspire Estate Stage 9C – Conditional Approval

Please find attached stamped approved road and drainage plans for the abovementioned subdivision. This approval is conditional. The conditions are as follows and must be met prior to the Statement of Compliance being issued:

1. Non-standard street lighting fees to be paid.

The approval of the engineering plans is subject to compliance of all statutory and legal obligations. Also, that the engineering consultant and the developer or landowner who they represent takes full responsibility of the design contained in the approved engineering plans.

Council believes the list below represents the latest editions sent to Council for approval.

<u>Drawing No.</u>	<u>Page No.</u>	<u>Revision No.</u>
8226 E/9C	1 of 2	A
8226 E/9C	2 of 2	A

Also please note the following:

- Council's Engineering Services Unit (Att: Infrastructure Planning Coordinator) must be provided with a letter requesting to start works. This letter must include the Contractor's name and contact details of who are to do the works.
- All Service Authority submissions including Public Lighting, Sewer and Water should be submitted to and approved by the responsible authorities prior to the subbase of the road pavement being constructed.

- 'As constructed' asset information in hardcopy, pdf, autocad and in electronic format in accordance with A-Spec specification must be provided prior to the Statement of Compliance being issued.
- You must convey to the developer and contractor that construction works CANNOT commence until the Haulage Route Plan, Construction Management Plan and where applicable the Environmental Management Plan are endorsed as part of the Planning Permit suite, also that a Traffic Management Plan is submitted and reviewed by Council.
- The approval of these plans is valid for one year, and where construction does not commence within that time, the plans must be resubmitted to Council for assessment using engineering standards that apply at that time.

All correspondence submitted to Council must be accompanied by a cover letter (detailing any changes to plans, and the documents submitted.) Any correspondence submitted to Council without a cover letter will not be accepted.

Should you have any queries regarding this subdivision please feel free to contact me on 9747 7325.

Yours sincerely,



Mangala Jayasinghe
MAJOR PROJECTS AND DEVELOPMENT ENGINEER

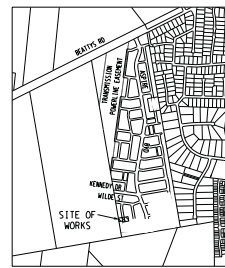
Encl

Cc Carlos Lopez (Construction Supervisor)
Judith Stephen (Infrastructure Planning Administration Officer)
Loc Ly (Strategic Asset Management Officer) (via email)

NOTES

- CONSTRUCTION PLANS MUST BE ACCOMPANIED BY THE APPROVED SPECIFICATION. NO WORK IS TO COMMENCE WITHOUT EVIDENCE OF POSSESSION OF EACH.
- ALL WORKS TO BE CARRIED OUT TO STANDARD DRAWINGS AND SPECIFICATION AS APPROVED BY SHIRE OF MELTON AND TO THE SATISFACTION OF THE ENGINEER AND THE MUNICIPAL ENGINEER. IN CASE OF A DISPUTE THE SPECIFICATION MUST TAKE PRECEDENCE.
- FOR SPECIFICATION REFER SPECIFICATION STAGE 1. (INCORPORATING UPDATED SECTION 1A)
- COUNCIL TO BE NOTIFIED SEVEN (7) CLEAR DAYS PRIOR TO COMMENCEMENT OF WORKS.
- LOTS DENOTED THUS 25H ARE TO BE PROVIDED WITH A 100mm DIA. HOUSE DRAIN PLACED 5.0m FROM LOW CORNER OF LOT UNLESS OTHERWISE SHOWN. REFER GAA STD DWG FIG016, FIG017 & FIG018.
- AGRICULTURAL PIPE DRAINS, AS PER GAA STD DWG FIG020, TO BE PLACED BEHIND ALL KERB AND CHANNEL AND BUFFER PITCHERS AND WHERE DIRECTED BY THE ENGINEER.
- PRIOR TO COMMENCEMENT OF WORKS ON SITE, THE CONTRACTOR MUST ENSURE THAT ALL MATTERS RELATING TO THE OCCUPATIONAL HEALTH AND SAFETY ACT 2002 (INCLUDING ALL RELEVANT REGULATIONS, HAVE BEEN ADDRESSED). IN PARTICULAR, THE REQUIRED NOTIFICATIONS MUST BE CONVEYED TO THE VICTORIAN WORKCOVER AUTHORITY - HEALTH & SAFETY DIVISION WITH RESPECT TO TRENCHING OPERATIONS. DETAILS OF THE CONTRACTORS OCCUPATIONAL HEALTH & SAFETY PROCEDURES MUST BE LOGGED WITH THE SUPERINTENDENT PRIOR TO COMMENCEMENT OF WORKS.
- BATTERS SHALL BE 1 IN 6 FOR FILL AND 1 IN 6 FOR CUT UNLESS OTHERWISE SHOWN.
- ON COMPLETION THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OF ALL RUBBISH AND SPOIL FROM SITE.
- LOTS TO BE GRADED AND LEFT CLEAN TO THE SATISFACTION OF THE ENGINEER. ALL LOTS TO BE 1 IN 150 MINIMUM SLOPE.
- FILL AREAS ARE TO BE STRIPPED OF TOPSOIL, FILLED AND TOPSOIL REPLACED TO OBTAIN FINAL FILL LEVELS AS SHOWN ON THE PLANS. FILLING TO BE CLEAN CLAY COMPACTED TO A DRY DENSITY NOT LESS THAN 95% OF THE MAXIMUM DRY DENSITY VALUE DETERMINED BY THE STANDARD COMPACTION TEST IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1289.4.2.1-1993. TESTING TO COMPLY WITH AS3780-1996 APPENDIX B, LEVEL 1.
- THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL IMPORTED FILL MATERIAL, INCLUDING TOPSOIL, SATISFIES THE DESCRIPTION FOR CLEAN FILL MATERIAL IN EPA BULLETIN PUBLICATION No. 448 (SEPT '95) AND SUBSEQUENT REVISIONS. THE CONTRACTOR SHALL PROVIDE VERIFICATION INCLUDING TEST CERTIFICATES TO THE SUPERVISING ENGINEER.
- EARTH FILL IS TO BE COMPACTED TO A RELATIVE COMPACTION COMPARED TO A STANDARD COMPACTION TEST AS SPECIFIED BY VICROADS CORPORATION OR -100% FOR ALL FILL MATERIAL AND MATERIAL UNDER FILL THAT IS LESS THAN 450mm FROM THE SURFACE. -95% FOR ALL FILL NOT COVERED AS ABOVE.
- NATURESTRIP AND AREAS OF CUT ARE TO BE TOPSOILED AND GRASSED TO THE SATISFACTION OF THE ENGINEER. MINIMUM DEPTH TO BE 100mm.
- WHERE WORKS ARE IN THE VICINITY OF EXISTING SERVICES THESE SERVICES ARE TO BE LOCATED AND THE VARIOUS AUTHORITIES NOTIFIED, BY THE CONTRACTOR, PRIOR TO THE COMMENCEMENT OF WORKS.
- SERVICES CONDUITS ARE TO BE PROVIDED AT 90deg TO KERB AND CHANNEL UNLESS OTHERWISE SHOWN AND THE LOCATION IS TO BE MARKED ON THE FACE OF KERB. ALL SERVICES CONDUITS TO BE MINIMUM STANDARD OF CLASS 8, WITH A MINIMUM COVER OF 75mm ABOVE TOP OF CONDUIT TO SUB GRADE LEVEL, AND A SIZE SUITABLE TO SERVICE BUT NOT LESS THAN 50mm.
- WATER AND GAS CONDUITS TO BE CONSTRUCTED ACROSS NATURE STRIPS AFTER ELECTRICAL CABLE WORK IS COMPLETED.
- THE WATER CONDUIT OFFSET FROM THE LOT BOUNDARY IS GIVEN ON THE WATER RETICULATION PLAN. THE CONTRACTOR MUST CONSTRUCT CONDUITS TO ACCORD WITH THE GIVEN OFFSET AND ENSURE THAT THE CONCRETE MARKS THE KERB AND FOOTPATH EXACTLY ABOVE THE CONDUIT.
- TELSTRA/NBN Co TO BE NOTIFIED SEVEN (7) DAYS PRIOR TO CONCRETE WORKS BEING PLACED.
- VEHICLE CROSSINGS TO BE OFFSET 0.75m FROM SIDE BOUNDARIES AND EASEMENTS UNLESS OTHERWISE SHOWN AND A MINIMUM OF 0.75m CLEAR OF PITS. VEHICULAR CROSSINGS TO BE CONSTRUCTED IN ACCORDANCE WITH CITY OF MELTON STANDARD DRAWINGS MSC301 TO MSC306.
- ALL RESIDENTIAL FOOTPATHS SHALL BE 1.5m WIDE (MIN.) AND SHARED PEDESTRIAN/BICYCLE PATHS SHALL BE 2.5m (MIN.). CONCRETE PATHS ARE TO BE 125mm THICK REINFORCED WITH SL72 PLACED CENTRALLY AND UNDERLAIN BY 50mm OF CLASS 3 CR. REFER GAA STD DWG FIG006.
- THE CONTRACTOR SHALL TO THE SATISFACTION OF THE ENGINEER AND THE MUNICIPAL ENGINEER, PROVIDE AND MAINTAIN INCLUSIVE OF STREET SIGNS, ALL NECESSARY REGULATORY SIGNS, WARNING SIGNS, LIGHTING, LINESMARKING AND BARRICADING TO COMPLY WITH THE REQUIREMENTS OF VICROADS SIGNING CODE OF PRACTICE.
- THE CONTRACTOR IS TO SUPPLY AND ERECT ALL RELEVANT STREET SIGNAGE AND LINE MARKING AS PART OF THE CONTRACT IN ACCORDANCE WITH VICROADS SPECIFICATION SECTIONS 710 & 722 AND AS1742.1, .2 & .3
- ALL ROADS TO BE CONSTRUCTED WITH B2 KERB & CHANNEL. REFER GAA STD DWG FIG008.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A ROAD OPENING PERMIT FOR WORKS IN PREVIOUSLY CONSTRUCTED ROADWAYS.
- IF BLASTING IS REQUIRED THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A PERMIT TO BLAST AND MAINTAINING SAFETY REGULATIONS OR SITE IN COMPLIANCE WITH THE EXPLOSIVES ACT 1960. THE PERSON WHO IS USING THE EXPLOSIVES ON THE SITE IS TO BE A HOLDER OF A CURRENT PERMIT TO USE EXPLOSIVES ISSUED UNDER THE EXPLOSIVES ACT 1960.
- PATTERNED CONCRETE TO BE DOWELLED INTO ADJACENT KERB AND CHANNEL AT 300mm CTS USING 450mm LONG S12 BARS. ONE END OF DOWEL TO BE SLEEVED OR GREASED.
- THE RELATIVE COMPACTION OF CRUSHED ROCK SHALL BE COMPLETED AT THE OPTIMUM MOISTURE CONTENT TO A DRY DENSITY (BASED ON THE PERCENTAGE OF THE MAXIMUM DRY DENSITY OBTAINED IN THE MODIFIED COMPACTION TEST) AS BELOW:
FOR DEPTH 0-100mm BELOW TOP OF BASE: RELATIVE COMPACTION = 100%
FOR DEPTH 100-300mm BELOW TOP OF BASE: RELATIVE COMPACTION = 98%
FOR DEPTH OVER 300mm BELOW TOP OF BASE: RELATIVE COMPACTION = 97%

- THE SUBGRADE BELOW ALL PAVEMENTS SHALL BE COMPACTED TO A DRY DENSITY OF NOT LESS THAN 100% OF THE MAXIMUM DRY DENSITY OBTAINED IN THE STANDARD COMPACTION TEST IN AREAS OF CUT TO A DEPTH OF 150mm AND IN AREAS OF FILL TO A DEPTH OF 450mm.
- CONCRETE TO HAVE A 28 DAY STRENGTH OF 25 Mpa.
- ALL LEVELS ARE TO THE AUSTRALIAN HEIGHT DATUM (A.H.D.)
- THE CONTRACTOR MUST COMPLETE A LEVEL CHECK BETWEEN ALL TBM'S TO VERIFY LEVEL VALUES BEFORE COMMENCEMENT OF WORKS. ALL TBM'S AND CONTROL POINTS ARE TO BE MAINTAINED AND PROTECTED AT ALL TIMES DURING CONSTRUCTION. SHOULD ANY MARKS BE DISTURBED, THE CONTRACTOR WILL IMMEDIATELY NOTIFY THE DEVELOPER'S CONSULTANT TO ARRANGE RE-INSTANTMENT AT THE CONTRACTORS EXPENSE.
- PRIOR TO COMMENCEMENT OF WORKS, THE CONTRACTOR MUST SUBMIT A SMP TO THE DEVELOPER'S CONSULTANT FOR APPROVAL. THE CONTRACTOR MUST COMPLY WITH THE RECOMMENDATIONS OF THE ENVIRONMENT PROTECTION AUTHORITY PUBLICATION No.275 "CONSTRUCTION TECHNIQUES FOR SEDIMENT POLLUTION CONTROL" AND PM SITE ENVIRONMENTAL MANAGEMENT POLICY 3.8.2. APPROPRIATE SILTATION CONTROL IS TO BE MAINTAINED THROUGHOUT THE CONSTRUCTION AND MAINTENANCE PERIOD OF THE WORKS.



LOCALITY PLAN
SCALE 1:20000

SERVICES OFFSETS AND LOCATIONS

STREET NAME	Rd RESERVE	WATER	GAS	ELECTRICITY CABLES	POLES	FIBRE TO THE HOME PTH CABLES	PTH PITS	SK. OF KERB	JOINT TRENCHING	VICCODE STREET CLASSIFICATION
FORESTER GROVE	16-00	2+0E	2+10E	2+30W	0-80 BK	1-80W	1-77SE	4+20	W & G, F & E	ACCESS STREET

SHEET INDEX

SHEET No.	YBR	DESCRIPTION
1	A	PLAN, NOTES, SERVICES SCHEDULE & SIGNAGE LEGEND
2	A	FORESTER GROVE - LONGITUDINAL & CROSS SECTIONS

**CITY OF MELTON
ENGINEERING PLANS
APPROVED**

31/03/2015

ENGINEERING SERVICES DATE

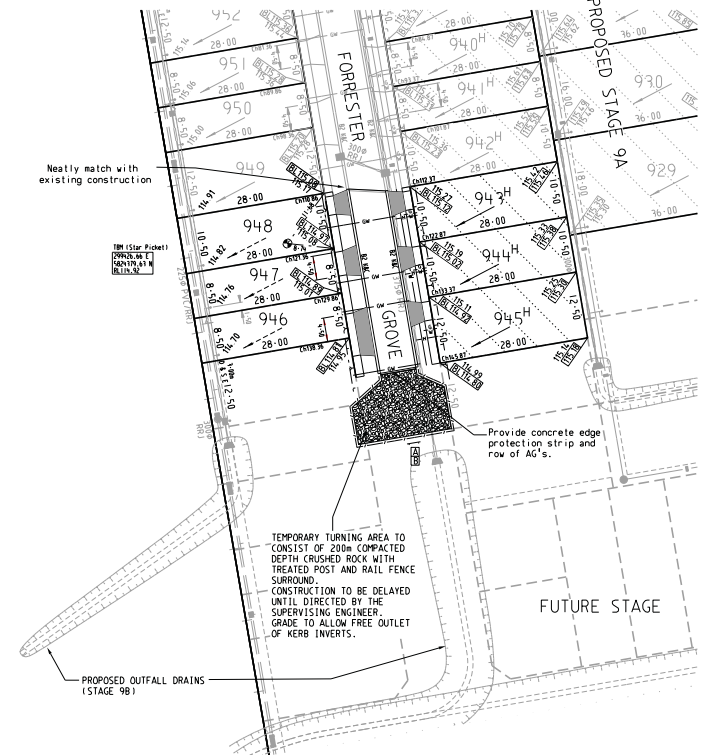
ATTENTION TO CONTRACTOR

- IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE THAT THE DIGITAL PLAN, PROVIDED FOR SETOUT PURPOSES, MATCHES THE TBM COORDINATES SHOWN.
- Contractor to ensure that the site is pegged and/or set out checked by the licensed surveyor responsible for certifying the Plan of Subdivision prior to underground infrastructure being installed.
- Where concrete works at a sewer access chamber surround or similar structure, an expansion joint of approved material shall be provided between the two faces.

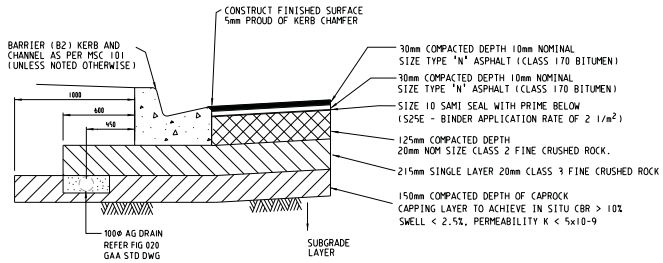
SIGNAGE LEGEND

- [A] NO ROAD SIGN
- [B] BI-DIRECTIONAL CHEVRON SIGNS (D4-2-11)

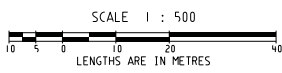
PROPOSED STAGE 9B



PLAN
SCALE 1:500



FORESTER GROVE - 560mm DEPTH
PAVEMENT COMPOSITION
NOT TO SCALE



SYMBOL LEGEND

Drains <100	Prop	Exist	Ex/Natural/FS Level
Sewer >100	W	W	FS Building Line
Water	W	W	Top/Toe of Batter
House Drain	W	W	Top Ret. Wall Level
Property Inlet	W	W	100yr Flood Level
Street Sign	W	W	Fill Prop/Ex
Retaining Wall	W	W	Cut Prop/Ex
Conduits 50mm	W	W	
Conduits 100mm	W	W	
Ex Gas/Elect/Tel	W	W	

MELWAY REF.	356-D-2
SURVEY	BPD
DESIGN	IB
DRAWN	IB
DATE	8/01/15
ISSUED FOR CONSTRUCTION	

breeze pitt dixon pty. ltd.
land surveyors civil engineers

1/19 calo street
hawthorn east, 3123
telephone 8823 2300
fax no. 8823 2310

**ASPIRE ESTATE
STAGE 9C**

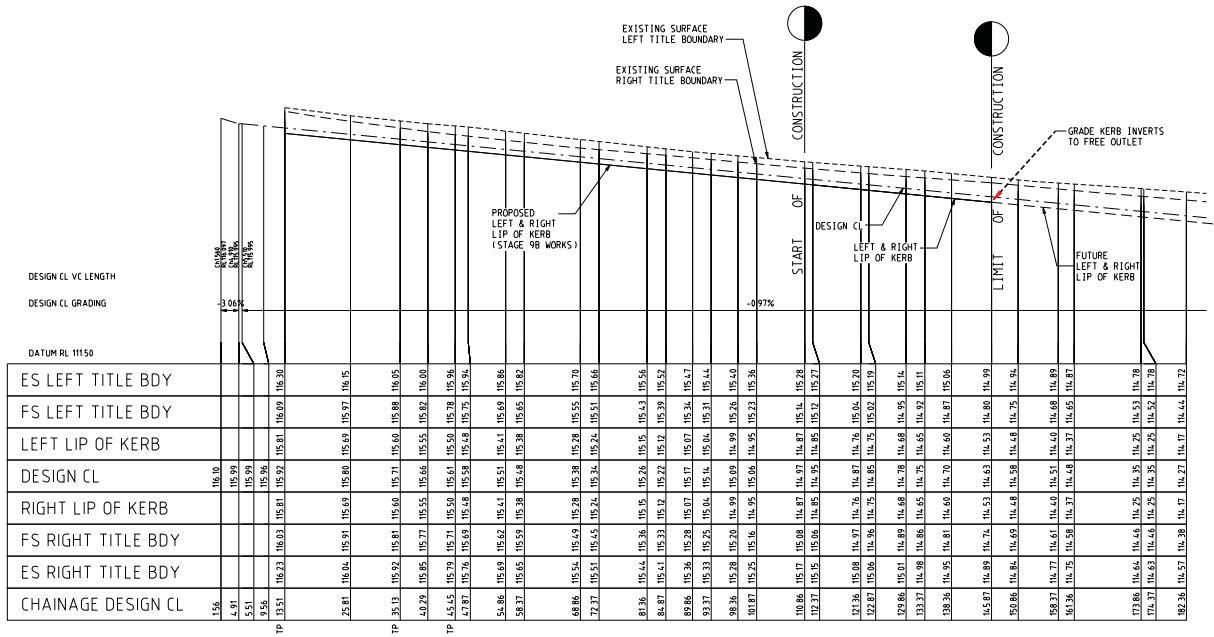
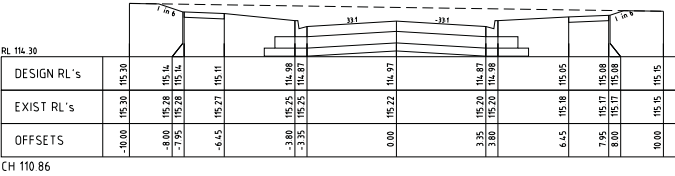
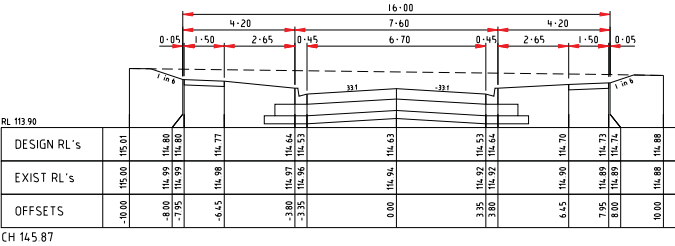
MUNICIPALITY
MELTON
REFERENCE
8226 E/9c

SHEET 1 OF 2

SCALE AS SHOWN DATUM AHD DATE NOV 14

VER DATE REMARKS

CHECKED *P. Cullin*



CROSS SECTIONS
SCALE HORIZONTAL 1:100
VERTICAL 1:50

LONGITUDINAL SECTION
SCALE HORIZONTAL 1:500
VERTICAL 1:50

FORRESTER GROVE



breese pitt dixon pty. ltd. land surveyors civil engineers		1/19 calo street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310
MELWAY REF. 356-D-2 SURVEY BPD DESIGN IB DRAWN IB		MUNICIPALITY MELTON REFERENCE 8226 E/9C
AMENDMENTS A 03/03/15 ISSUED FOR CONSTRUCTION.	CHECKED SCALE AS SHOWN DATUM AHD DATE NOV 14	SHEET 2 OF 2 A