# MERIDIAN CENTRAL ESTATE - STAGE 29

# **BROWN PROPERTY GROUP** CITY OF CASEY

## CONSTRUCTION NOTES

# SITE MANAGEMENT

- Prior to commencement of works on site, the contractor must ensure that all matters relating to the Occupational Health & Safety Act 2004, 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 lodged with the superintendent prior to commencement of works.
- A2. All native trees & shrubs to be retained unless road construction necessitates their removal or removal is directed by the engineer A town planning permit is required for the removal of native trees & / or vegetation. The removal or retention of any existing trees must be in accordance with the approved landscape plan, or else approval will be required from the City of Casey landscape
- Existing dam or watercourses to be excavated to a firm base & backfilled as specified. Consulting engineer to be notified when the dam or watercourses are excavated to a firm base. No filling is to be placed prior to dams being inspected & levels taken Backfilling is to be carried out to the satisfaction of the Council supervising engineer
- Prior to commencement of works, the contractor must submit a Site Management Plan (SMP) to the consultant for approval. The contractor must comply with the recommendations of the Environment Protection Authority publication No.275 "Construction techniques for sediment pollution control". Appropriate silitation control is to be maintained throughout the construction &
- Provide temporary safety barrier fence (Farm Fence as per MW Std Dwg 7251/4/203) along extent of outfall drain where the drain is greater than 1.5m in depth & side slopes are steeper than 1 in 3. Safety fence to remain until permanent underground drainage
- nental management plan (EMP) must be submitted to and approved by Council prior to the commencement of any
- A8. A traffic management plan (TMP) must be submitted to, and approved by Council prior to the commencement of any works on site and all traffic management must be carried out in accordance with this TMP

- All works to be carried out in accordance with AS2124-1992 general conditions of contract & the City of Casey and EDCM current specification & standard drawings & to the satisfaction of the City of Casey works super
- Before commencement of works on trenches in excess of 1.5m deep, the civil contractors construction supervisor must give notice in writing of such proposals to Worksafe Victoria in accordance with Part 5.1, Division 4 of the Occupational Health & Safety regulations (2007) & undertake safety precautions in trenching operations in accordance with Workcover's code of practice (1988).
- Lots to be graded (1 in 150 min slope) & left clean to the satisfaction of the engineer. Finished levels to be compatible with lots
- On completion the contractor is responsible for the removal of all rubbish & spoil from site. No surplus trees, vegetation or other material is to be burnt on site.
- Reserves to be free draining & to be left in a condition satisfactory to the City of Casey works supervisor
- Where works are in the vicinity of existing services these services are to be located & the various authorities notified prior to the
- Provide painted paling fence along any boundary common to lots & municipal reserves as per Council Std. Dwg. S-706. Palings to
- B10. As constructed plans and electronic asset information in D-Spec and R-Spec format must be submitted to Council prior to practical

# **ROADWORKS**

- 100e agricultural pipe drains (MPA standard drawing EDCM 202) to be placed behind all kerb & channel & buffer pitchers & where directed by the engineer.
- Filling in all properties & road reserves is to be carried out using approved clay fill. Top soil & all vegetable matter to be stripped from site prior to filling. All filling to be carried out in accordance with AS3798-2007 and the geotechnical report. Level 1 inspection and testing to be carried out in accordance with AS3798-2007 Section 8.2. A fill report must be submitted to the Consultant, showing from a NATA registered soil testing laboratory.
- Importing Fill:- All imported fill must be tested by a NATA approved laboratory to ensure it is suitable for use on site, & any importing Filix. All imported thi must be tested by a Nark approved laboratory to ensure it a suitable for use of site, & any contaminates are within accepted levels. Under no circumstances should fill material enter or leave the site without the permission of the supervising engineer & Council works supervisor, prior to it being appropriately tested. All vehicles transporting fill material to & from the site must have appropriate measures in place to ensure that material does not get onto roads & into stormwater
- C4. Batters to be 1 in 5 for fill & 1 in 3 for cut unless noted otherwise
- C5. Cut batters are to be grassed & mulched with a mixture of chopped grass, straw & bitumen emulsio
- C6. Where cut batters exceed 700mm an additional 300mm berm shall be formed behind footpath

C7. Access ramps are to be constructed where cut batters exceed 1.0m. They are to be graded 1 in 10 for the first 2.5m from the back of path & then at a maximum of 1 in 4 to natural surface.

- 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 & ensure that the concreter marks the kerb & footpath exactly above the conduit.
- Irrigation conduits are to be DN100 DWV PVC installed beneath the pavement and/or capping layer, if present. Locations are to be narked using a green dot spray painted on the top of kerb.
- C10. All footpaths are to be 125mm thick 25MPa concrete with SL72 mesh centrally located in accordance with the MPA standard
- C11. NBN Co to be notified seven (7) days prior to concrete works being placed.
- C12. Electrical distribution pits within footpaths are to be a minimum of 300mm within the edge of the path. Concrete is to be placed around distribution pits to a minimum depth of 200mm.
- C13. All street signs to be constructed & erected to current City of Casey standards including logo. Court street names are to show
- C15. Driveways to be constructed in accordance with the MPA standard drawings EDCM 501 & EDCM 502. Single driveways to be a minimum 3.5m wide & to be offset 0.75m from side boundary or easement unless otherwise shown
- C16. Kerb transition to take place in the minor street over a 2.0m length from either the tangent point or TP pit
- C18. Provide 2.5m wide shared footpath through reserves as shown on a curvilinear alignment to the satisfaction of the engineer
- C19. Tactile ground surface indicators (TGSI) are to be installed at all pram crossings & pedestrian cross points in accordance with AS1428.4 : 2002 & MPA standard drawing EDCM 403.
- C20. If any existing substandard filling is encountered on the site it must be removed and replaced with approved fill material properly compacted to Council requirements. A geo-technical report must be submitted showing details of depth, type of material and density of the fill areas concerned.

- Drainage & pits to be set out from offsets shown rather than from centreline pipe chainages. Centreline of pits at TP's to be offset 1.00m.
- Terra Firma or fibreglass type pit lids are required for all drainage pits & all grates for pits are to be Class D. to comply with AS3996 unless otherwise shown. All drainage works are to be constructed
- All pipes up to and including 750mm in diameter shall be rubber ring jointed (RRJ). Pipes above this size may be flush jointed with external sealing bands. For pipes greater than 900mm and changes in direction between 2 connecting pipes exceeding 10° construct segmented curves using splayed pipes with bandage joints, having deflections within the manufacturer's specification.
- D4. All pipes to be Class '2' R.C. rubber ring joint unless noted otherwise. PVC pipes to be Class SH unless specified
- Pipe trenches beneath the road pavement, footpath or within 150mm of the kerb & channel to be backfilled with 20mm Class 3
- Property inlets to be constructed as per MPA standard drawing EDCM 701 EDCM 704.
- All proposed drainage stubs to be blanked off at end of pipe with timber planks to the satisfaction of the supervising engineer
- D8. A CCTV report must be provided for all drainage lines prior to issue of practical completion

Modification of the pavement requires approval by the City of Casey works supervisor

# DRAWING INDEX

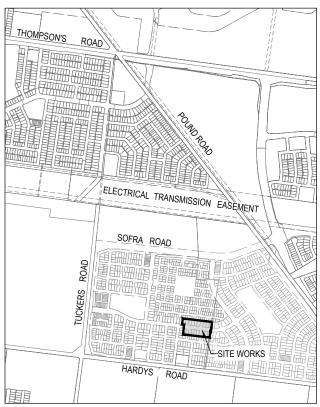
DRAWING No.	TITLE	REVISION
1801767-29-001	COVER SHEET	Α
1801767-29-002	TYPICAL ROAD CROSS SECTIONS & GENERAL DETAILS	Α
1801767-29-003	RETAINING WALL DETAILS	Α
1801767-29-010	LAYOUT PLAN	Α
1801767-29-015	INTEGRATED WATER MANAGEMENT LAYOUT PLAN	Α
1801767-29-016	INTEGRATED WATER MANAGEMENT DETAILS (SHEET 1 OF 2)	Α
1801767-29-017	INTEGRATED WATER MANAGEMENT DETAILS (SHEET 2 OF 2)	Α
1801767-29-100	ROAD LONGITUDINAL SECTIONS - PORTOBELLO BOULEVARD	Α
1801767-29-200	ROAD CROSS SECTIONS - PORTOBELLO BOULEVARD (SHEET 1 OF 2)	Α
1801767-29-201	ROAD CROSS SECTIONS - PORTOBELLO BOULEVARD (SHEET 2 OF 2)	A
1801767-29-350	SIGNAGE & LINE MARKING PLANS	Α
1801767-29-400	DRAINAGE LONGITUDINAL SECTIONS AND PIT SCHEDULE	Α

Coordinates are on a local plane datum based upon MGA2020 Zone 55 bearings and truncated MGA2020 Zone 55 co-ordinates at PM77. Heights are to AHD vide Permanent Mark PM 56 (Cranbourne) RL 26.71 Bearing Datum is MGA2020 Zone 55 which has been derived by our GPSnet Survey.

Plane Grid Coordinates to MGA2020 Zone 55 Grid Coordinates

Add +5,780,840.520 to Northings (APPLY SCALE FACTOR) Scale by 0.999846 at point PM77

Add + 353,823.586 to Eastings



SITE PLAN

NOT TO SCALE

MELWAY REF: 135 F3

**ISSUED** FOR CONSTRUCTION

07.09.21 KP MF





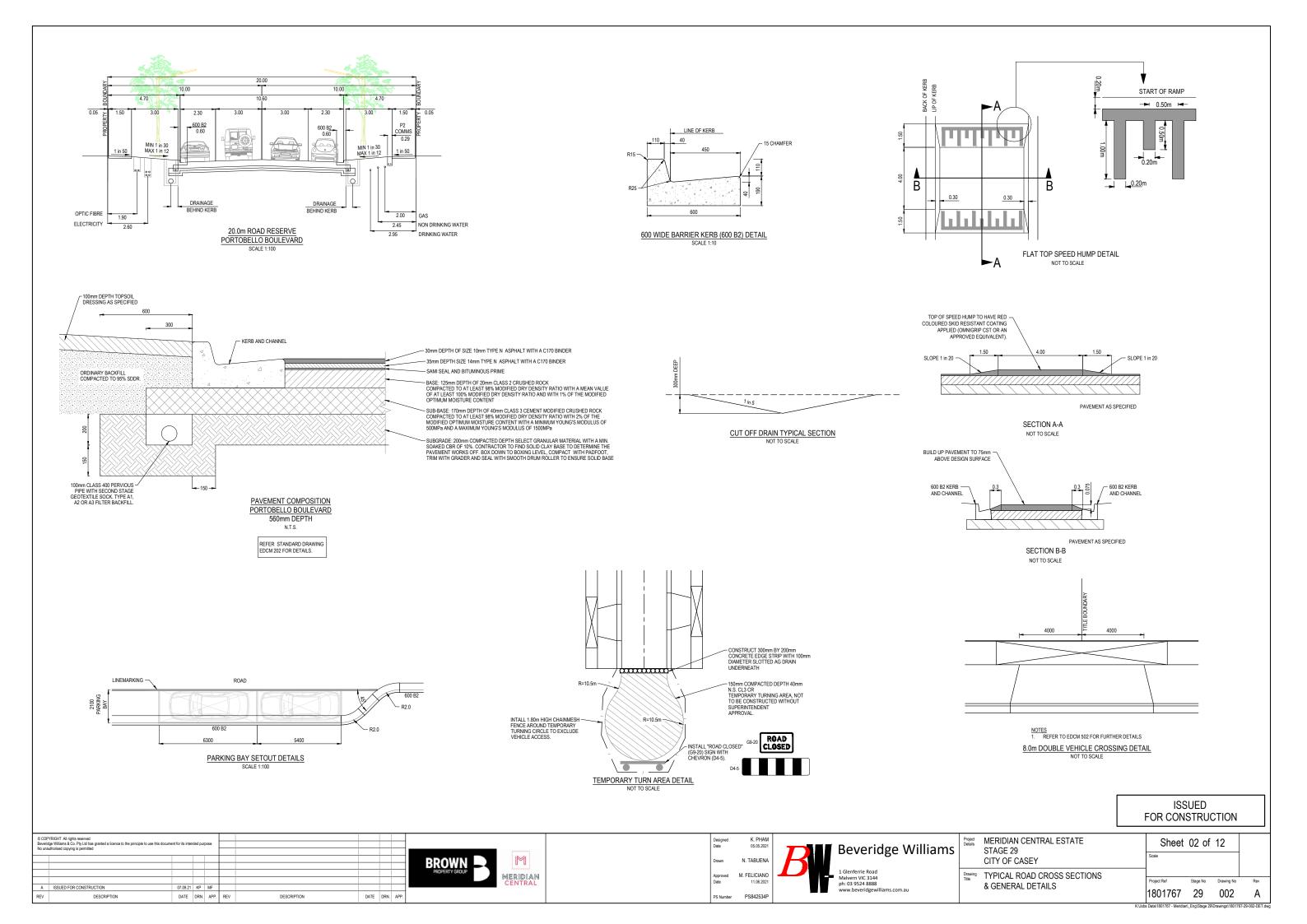


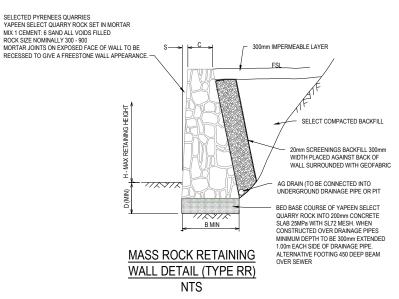


Project Details	MERIDIAN CENTRAL ESTATE STAGE 29	3
	CITY OF CASEY	Scale
Drawing Title	COVER SHEET	Project F
		100

Sheet 01 of 12 N 1801767 29 001 Α

ata\1801767 - Meridian\ Eno\Stage 29\Drawings\1801767





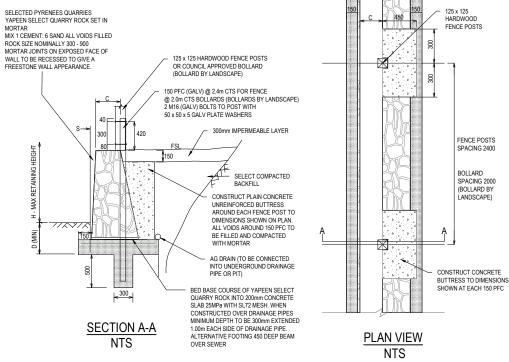
MASS ROCK RETAINING WALL SCHEDULE							
MAX WALL HEIGHT-H(mm)	FOUNDING DEPTH-D(mm)	BASE WIDTH - B(mm)	FRONT FACE SETBACK-S (mm)	CREST WIDTH-C(mm)			
400	400	450	15	300			
500	400	500	15	300			
600	400	500	30	300			
800	400	600	30	300			
1000	400	700	30	300			

a. WHERE FOOTPATH ABUTS RETAINING WALL CONTINUE CONCRETE UP TO BASE OF RETAINING

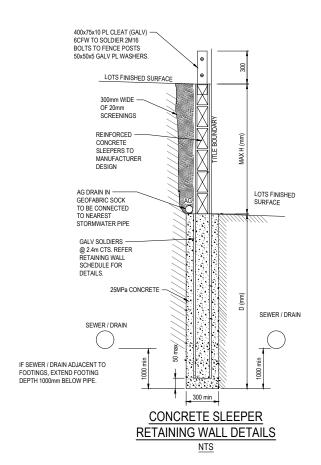
FOOTING NOTE F.2.

a. TOE OF WALL SHALL PENETRATE THROUGH ANY FILL MATERIAL & THE NATURAL SILT SOILS TO BE FOUNDED AT LEAST 100mm INTO THIS UNDERLYING NATURAL STILL CLAY OR WEATHERED ROCK. ALL EXCAVATIONS SHALL HAVE FOUNDING DEPTHS AND BEARING CAPACITY APPROVED BY THE ENGINEER OR BUILDING SURVEYOR

CAPACITY APPROVED BY THE ENGINEER OR BUILDING SURVEYOR
BEFORE CONCRETE IS PLACED.
FOOTING EXCAVATIONS WHICH ARE DEEPEND TO PENETRATE
THROUGH UNSUTRALE SOILS SHALL BE BACKFILLED UP TO UNDERSIDE OF FOOTINGS
WITH 15 MPA BLINDING CONCRETE.
b. ALL EXCAVATION FOUNDING SURFACES SHALL BE LEVEL (NOT INCLINED) CLEAN CUT & FREE OF
MUD OR WATER.
c. ALL SEEPAGE INFLOW SHALL BE REMOVED BEFORE PLACEMENT OF CONCRETE.
d. FOOTINGS SHALL BE FOUNDED IN STIFF NATURAL CLAY HAVING A SAFE BEARING CAPACITY OF
150KPA.



MASS ROCK RETAINING WALL DETAIL WITH PALING TIMBER FENCE (TYPE RR) OR BOLLARD (BOLLARD BY LANDSCAPE) NTS



CONCRETE SLEEPER RETAINING WALL SCHEDULE							
HEIGHT - H(mm)	DEPTH - D(mm)	SOLDIERS SIZE @ 2.4m CTS					
600	900	100 UC 14.8					
800	1200	100 UC 14.8					
1000 1500 100 UC 14.8							

SEWER / FRAINAGE

**ISSUED** FOR CONSTRUCTION

L											
Γ		YRIGHT All rights reserved									Г
-	Beverid	ge Williams & Co. Pty Ltd has granted a licence to the principle to use this docume uthorised copying is permitted	ent for its inter	ided pur	pose.						]
L	No una	utnorised copying is permitted									
											Н
L											
L											1
L											
L	Α	ISSUED FOR CONSTRUCTION	07.09.21	KP	MF						•
	REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.	



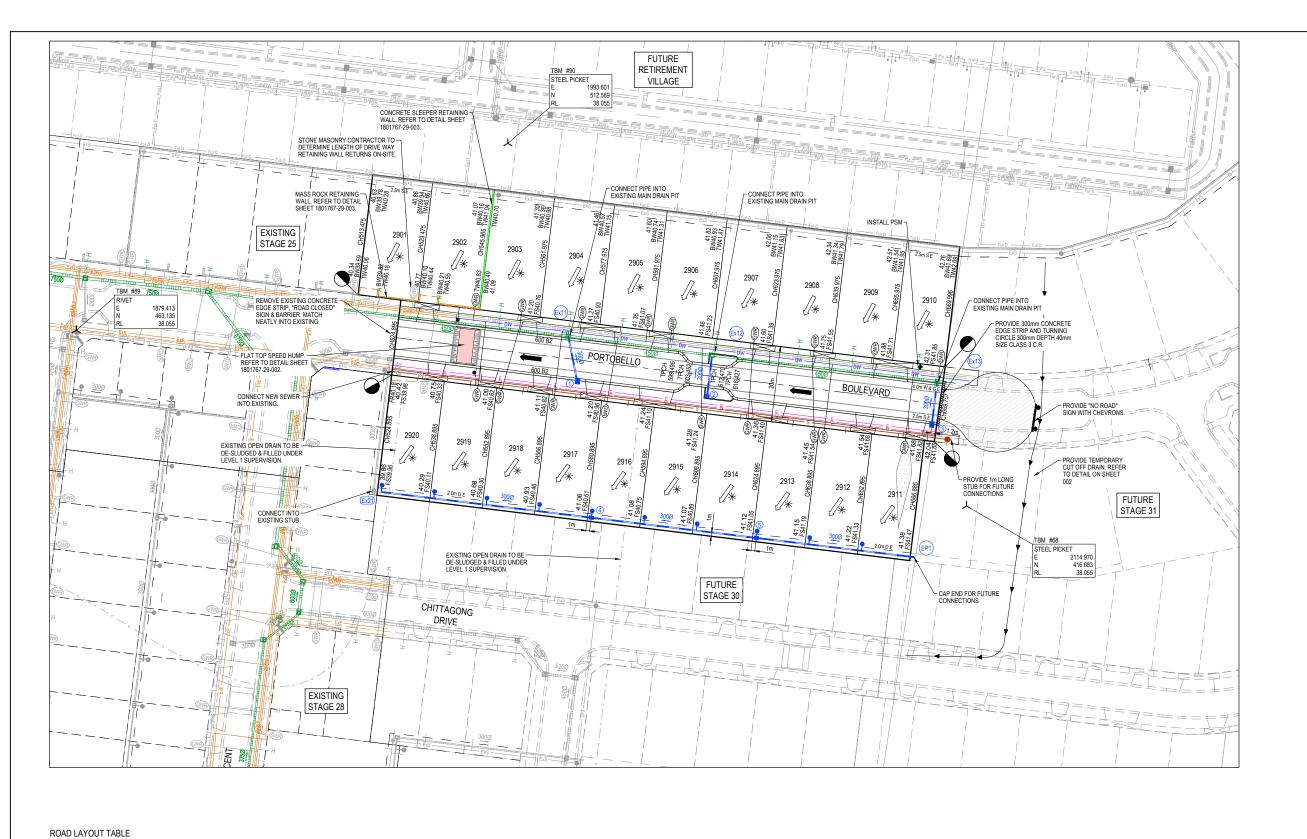
M

MERIDIAN CENTRAL





Project Details	MERIDIAN CENTRAL ESTATE STAGE 29	Sheet	03 of	12	
	CITY OF CASEY	Scale			
Drawing Title	RETAINING WALL DETAILS	Project Ref	Stage No	Drawing No	Rev
		1801767	29	003	A



# WARNING

LEGEND - LAYOUT PLAN

— DW — WATER

---- EXISTING GAS

--- EXDW --- EXISTING WATER

O—ExS— EXISTING SEWER

EXISTING OPTIC FIBRE

---- EXT ---- EXISTING TELECOMMUNICATIONS

EXNOW — EXISTING RECYCLED WATER

EXISTING STORMWATER DRAIN

---- EXISTING HOUSE DRAIN

---> ----> EXISTING SWALE DRAIN 141.34 EXISTING SURFACE LEVEL

EXISTING MELBOURNE WATER DRAIN

FS140.35 FINISHED BUILDING LINE LEVEL

FR157.40 FINISHED RIDGE LINE LEVEL TW159.30 TOP OF RETAINING WALL

BW159.30 BOTTOM OF RETAINING WALL — — RIDGE LINE MASS ROCK RETAINING WALL

DIRECTION OF FALL

── LIMIT OF WORKS

- — ZERO LOT LINES PAVEMENT TREATMENT

CONCRETE SLEEPER RETAINING WALL

EXISTING CONCRETE SLEEPER RETAINING WALL

STRUCTURAL FILL > 200mm DEEP

EX. STRUCTURAL FILL > 200mm DEEP

ALLOTMENT TO BE GRADED EVENLY IN

CONCRETE EDGE STRIP WITH SUBSOIL DRAIN,

"NO ROAD" SIGN & BARRIER

EXISTING TREE TO BE REMOVED PERMANENT SURVEY MARK TEMPORARY BENCH MARK PROPOSED DRIVEWAY

TREE PROTECTION ZONE (TPZ)

DIRECTION OF FALL TO LEVELS INDICATED

MELBOURNE WATER DRAIN & PIT - SWALE DRAIN

● SEWER & MAINTENANCE STRUCTURES HOUSE DRAIN —(GW)— SERVICE CONDUITS TACTILE PAVERS (INDICATIVE ONLY) ELECTRICITY (UNDERGROUND)
ELECTRICITY (OVERHEAD)

> - RECYCLED WATER
> - EXISTING ELECTRICITY (UNDERGROUND) EXISTING ELECTRICITY (OVERHEAD)

- OPTIC FIBRE T TELECOMMUNICATIONS

BEWARE OF UNDERGROUND SERVICES he locations of underground services are approximate only a their exact position should be proven on site. No guarantee is given that all existing services are shown

**DIAL 1100 BEFORE YOU DIG** 

**ISSUED** FOR CONSTRUCTION

Road Name	Reserve	ı	Road Width (n	n)	Kerb	Туре	Verge Width (m)		
Rodu Name	Width (m)	Lip to Lip Inv to Inv		Back to Back	North	South	North	South	
PORTOBELLO BOULEVARD	20.00	9.70 / 5.10	10.60 / 6.00	10.90 / 6.30	600 B2	600 B2	4.70 / 7.00	4.70 / 7.00	

# SERVICE OFFSET TABLE

	Gas ND - 1		Water	r Water		Electricity		Telecommunication		Lighting		
Location	Side	Offset (m)	Side	Offset (m)	Side	Offset (m)	Side	Offset (m)	Side	Offset (m)	Side	Offset (m)
PORTOBELLO BOULEVARD	N	2.00	N	2.45	N	2.95	S	2.60	S	1.90	BOK	0.80

NOTE: STREET TREES ARE TO BE PLANTED IN THE CENTRE OF ALL NATURE STRIPS

	© COP	YRIGHT All rights reserved									
	Beverid	ge Williams & Co. Pty Ltd has granted a licence to the principle to use this docume	ent for its inter	ided pur	pose.						]
	No unauthorised copying is permitted										
	Α	ISSUED FOR CONSTRUCTION	07.09.21	KP	MF						_
	REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.	





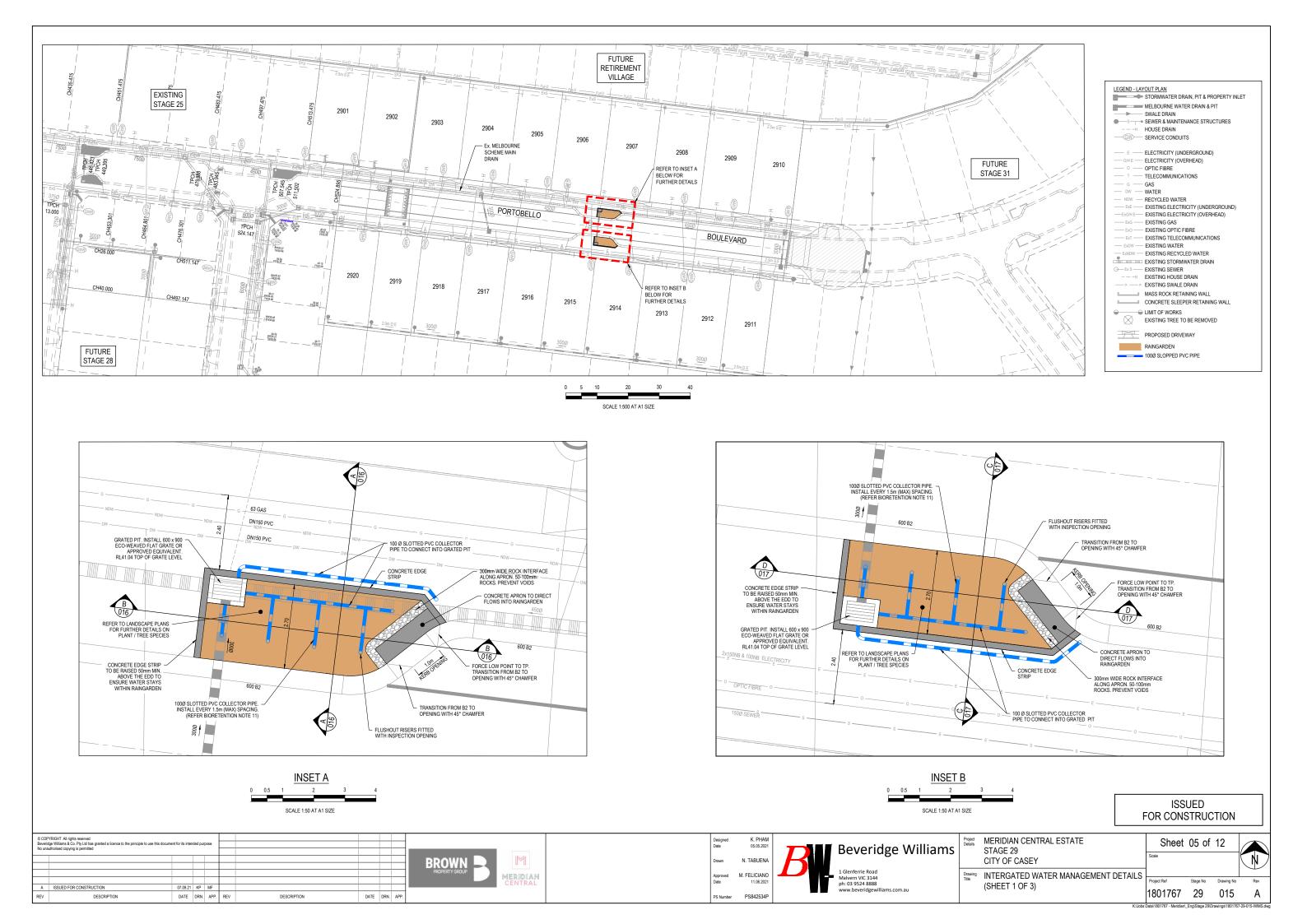


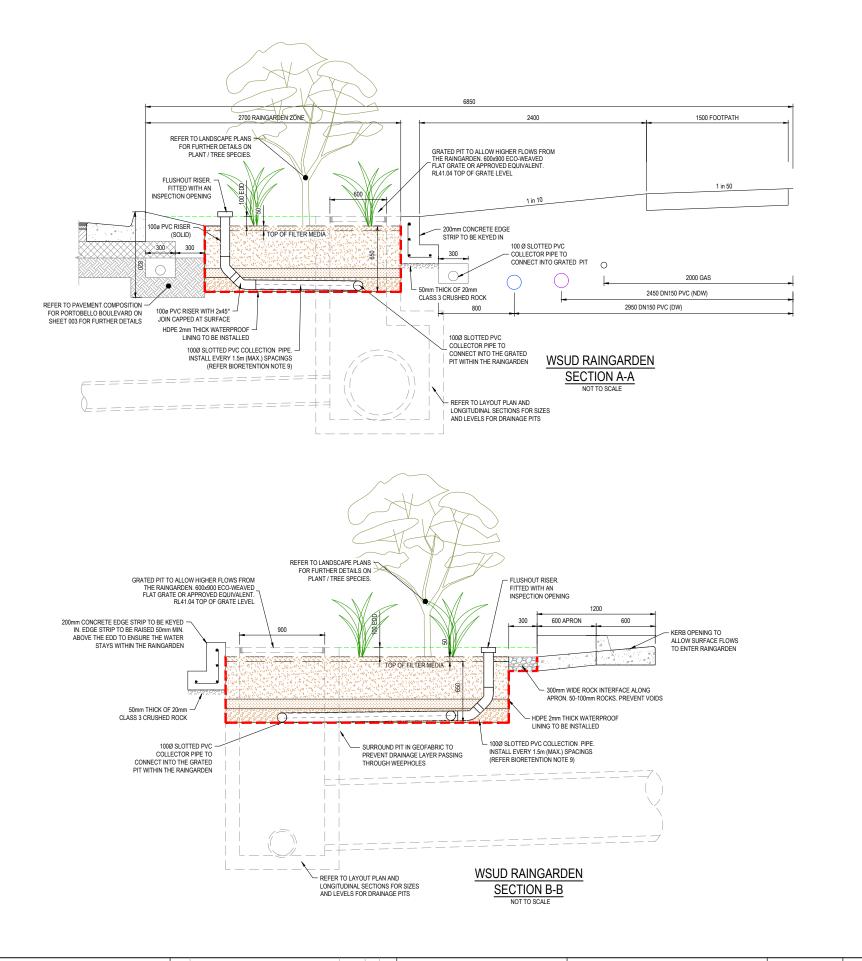


Project Details	MERIDIAN CENTRAL ESTATE STAGE 29 CITY OF CASEY
Drawing Title	LAYOUT PLAN

RIDIAN CENTRAL ESTATE AGE 29	Sheet	04 of	12		
	Scale				
TY OF CASEY	1:500 @ A1				
YOUT PLAN	1.500 @ /	-			
TOOTTEAN	Project Ref	Stage No	Drawing No		
	1801767	29	010		

N





# **BIORETENTION NOTES**

The Bioretention system will operate so that water will infiltrate into the filter media and move vertically through the profile. The Bioretention system requires three layers

- Transition
- Drainage

## 1. FILTER LAYER

600mm denth of material meeting the specifications outlined in CRC for Water Sensitive Cities 'Adoption Guidelines for Stormwater Biofiltration Systems' (July 2015), Appendix C, Table 1.

- Filter media must meet the following specifications:
  a. Material to be either a washed, well-graded sand, or naturally occurring sand
- meeting the required specifications. Hydraulic Conductivity - 100-300mm/hr
- Clay & Silt Content < 3% (w/w)

- College 3 in Content 50 k (km)
   Smooth Grading all particle sizes represented across sieve sizes; see also particle size distribution below.
   Nutrient Content low nutrient content with Total Nitrogen (TN) < 1000 mg/kg, and
- available phosphate (Colwell) < 80 mg/kg

  f. Organic Matter Content minimum content ≤ 5% to support vegetation

  g. pH 5.5-7.5, as specified for 'natural soils and soil blends' in AS4419 2003 (pH
- 1:5 in water)
- Bectrical conductivity < 1.2 dS/m, as specified for 'natural soils and soil blends' in AS4419 2003
   Horticultural suitability media must be capable of supporting healthy vegetation

Particle Size Distribution of selected filter media to be as follows:

	(% W/W)	Retained
Clay & Silt	<3%	(<0.05 mm)
Very Fine Sand	5-30%	(0.05-0.15 mm)
Fine Sand	10-30%	(0.15-0.25 mm)
Medium Sand	40-60%	(0.25-0.5 mm)
Coarse Sand	7-10%	(0.5-1.0 mm)
Very Coarse Sand	0-10%	(1.0-2.0mm)
Fine Gravel	<3%	(2.0-3.4 mm)

The Filter media should contain some organic matter for increased water holding canacity but he low in nutrient content. Also the media should be free of rubbisl deleterious material, toxicants and local weeds (as listed in local guidelines/ acts) and

## 2. TRANSITION LAYER

100mm depth of material meeting the specifications outlined in CRC for Water Sensitive Cities 'Adoption Guidelines for Stormwater Biofiltration Systems' (July 2015), Appendix C, Table 1.

Transition layer material must meet the following specifications:

- Material to be a clean, well-graded sand
   Hydraulic Conductivity must be higher than the hydraulic conductivity of the

Particle Size Distribution of the selected transition layer material must meet bridging criteria; the smallest 15% of sand particles must bridge with the largest 15% of filter media particles:

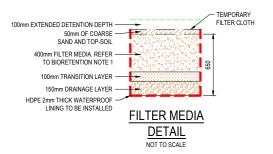
D<sub>15</sub> (transition layer) ≤ 5 x D<sub>85</sub> (filter media)

# 3. DRAINAGE LAYER

150mm depth of material meeting the specifications outlined in CRC for Water Sensitive Cities 'Adoption Guidelines for Stormwater Biofiltration Systems' (July 2015), Appendix C, Table 1.

Transition layer material must meet the following specifications:
a. Material - to be clean, fine aggregate; 2-7mm washed screenings (not scoria or

- b. Hydraulic Conductivity must be higher than the hydraulic conductivity of the



Particle Size Distribution of the selected drainage layer material must meet bridging criteria; the smallest 15% of drainage layer particles must bridge with the largest 15%

 $D_{15}$  (drainage layer)  $\leq 5 \times D_{85}$  (transition layer)

Perforations in subsoil drainage must be small enough relative to the drainage layer

D<sub>85</sub> (drainage layer) > diameter subsoil drain pipe perforation

### 4. TEMPORARY FILTER LAYER

A layer of 75mm topsoil preferred / 50mm stone aggregate of 5-13mm, no fines

### 5. TESTING REQUIREMENTS

Testing to confirm Hydraulic Conductivity of the media under various levels of compaction shall be conducted using the ASTM F1815-06 Method.

Test imported topsoils and submit test results for approval at least 5 working days in advance of carting. In addition, the contractor is to supply a 500 gram sample of the filter medium to the superintendent for approval prior to purchasing bulk material.

The following tests are to be conducted to determine the suitability of selected media. The tollowing tests are to be conducted to determine the suitability of selected media. 
The test results are to be submitted to the superintendent with Hydraulic Conductivity results for approval before placing bulk orders:

Particle Size Distribution (PSD)

A S4419-2003 - Soil properties for landscaping and garden use - Sandy Loam

Saturated Hydraulic Conductivity

Water holding capacity, where PSD does not meet specifications but silt and clay is

Where a supplier can provide PSD and/or AS4419-2003 test results for the specific batch of media being purchased these will be accepted at the superintendents

# 6. INSTALLATION

Filter media shall be lightly compacted during installation to prevent migration of fine

A single pass with a vibrating plate or roller machinery( e.g. a drum lawn roller) should be used to compact the filter media.
Under no circumstances should heavy compaction or multiple passes be made.

Filter media is to be installed near the completion of works to ensure the media quality is not affected due to ongoing construction works.

## 7. MAINTENANCE

Field testing of hydraulic Conductivity shall be carried out at three points within the rised teating or hydratin. Collectionly shall be carried out a time point within the system at one month following commencement of operation and in the second year of operation to assess the impact of vegetation on Hydratilic Conductivity. Weed management will need to be done manually until such time that the design vegetation is established with sufficient density to effectively prevent weed propagation.

# 8. TEMPORARY FILTER CLOTH

Surface of Filtration media to be covered with a temporary filter cloth (Bidim or Similar). Temporary Filter cloth to be removed and planting of the Bioretention Basin undertaken in accordance with the landscape plans once the building phase within the catchment is

## 9. COLLECTION (AG) PIPES

Collection pipes to be 100 dia. PVC SN6 (i.e. Sewer Grade), slotted with 2mm width slots. Minimum slot length = 1.2m of slot per lineal metre of pipe. Slotting can be undertaken by Central Pipe Fabrication or similar companie

### WARNING BEWARE OF UNDERGROUND SERVICES

he locations of underground services are approximate only a their exact position should be proven on site. No quarantee is given that all existing services are shown

**DIAL 1100 BEFORE YOU DIG** 

**ISSUED** 

FOR CONSTRUCTION









MERIDIAN CENTRAL ESTATE STAGE 29 CITY OF CASEY

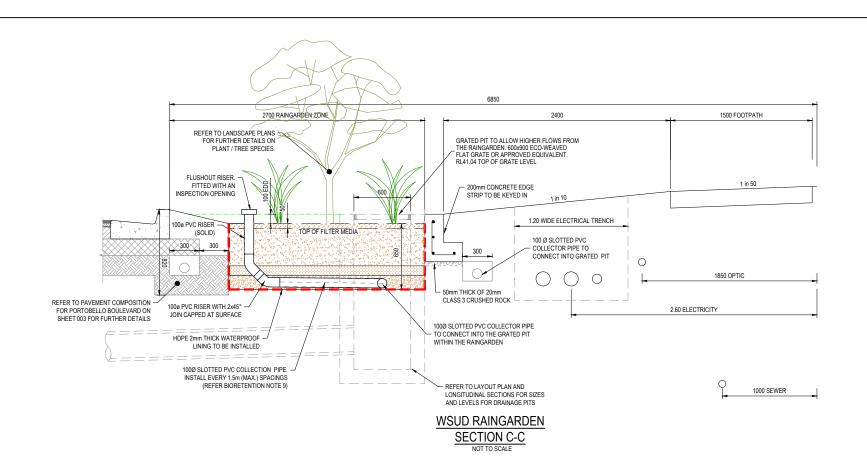
Drawing INTERGATED WATER MANAGEMENT DETAILS

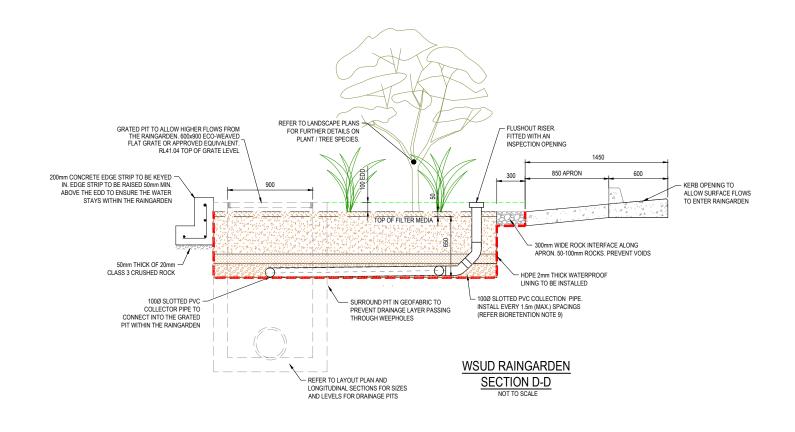
(SHEET 2 OF 3)

Sheet 06 of 12

1801767 29 016 Α

N





## WARNING BEWARE OF UNDERGROUND SERVICES

The locations of underground services are approximate only at their exact position should be proven on site. No guarantee is given that all existing services are shown cate all underground services before commencement of wo

## DIAL 1100 BEFORE YOU DIG

**ISSUED** 

FOR CONSTRUCTION K. PHAM 05.05.2021

07.09.21 KP MF DATE DRN. APP. REV





05.05.2021		Beveridge Williams
N. TABUENA	H	Deveriuge Williams
M. FELICIANO 11.06.2021		1 Glenferrie Road Malvern VIC 3144 ph: 03 9524 8888 www.beveridgewilliams.com.au

STAGE 29 CITY OF CASEY	Project Details	
---------------------------	--------------------	--

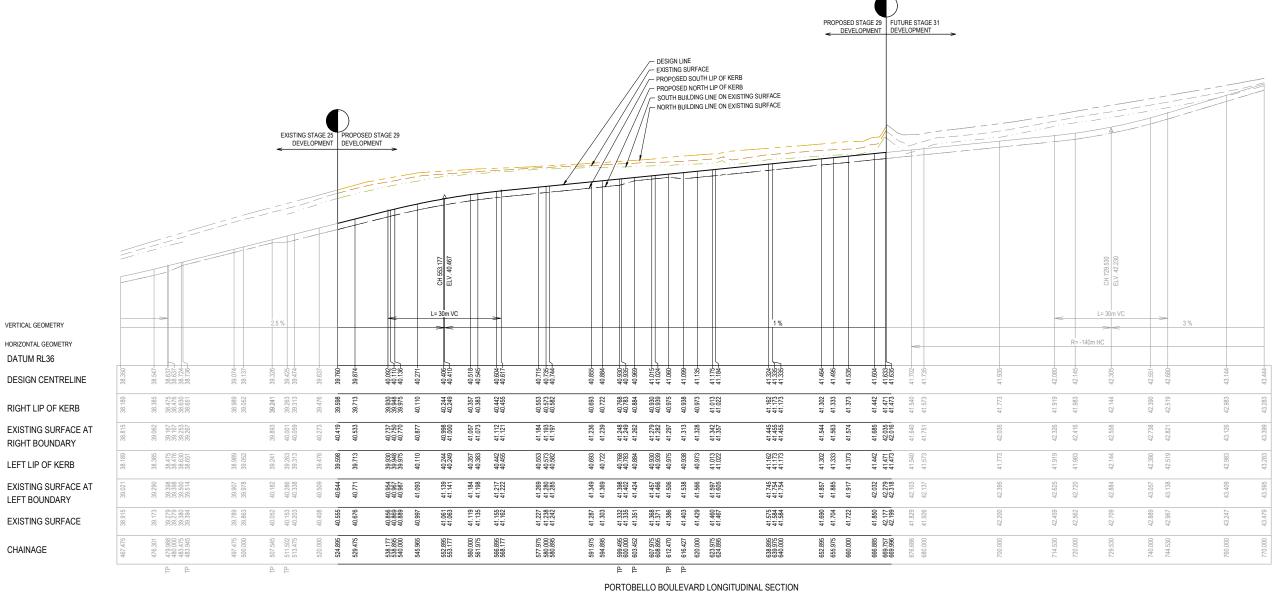
Drawing Title INTERGATED WATER MANAGEMENT DETAILS (SHEET 3 OF 3)

Shee	t 07	of	12
Scale			

1801767 29 017 Α

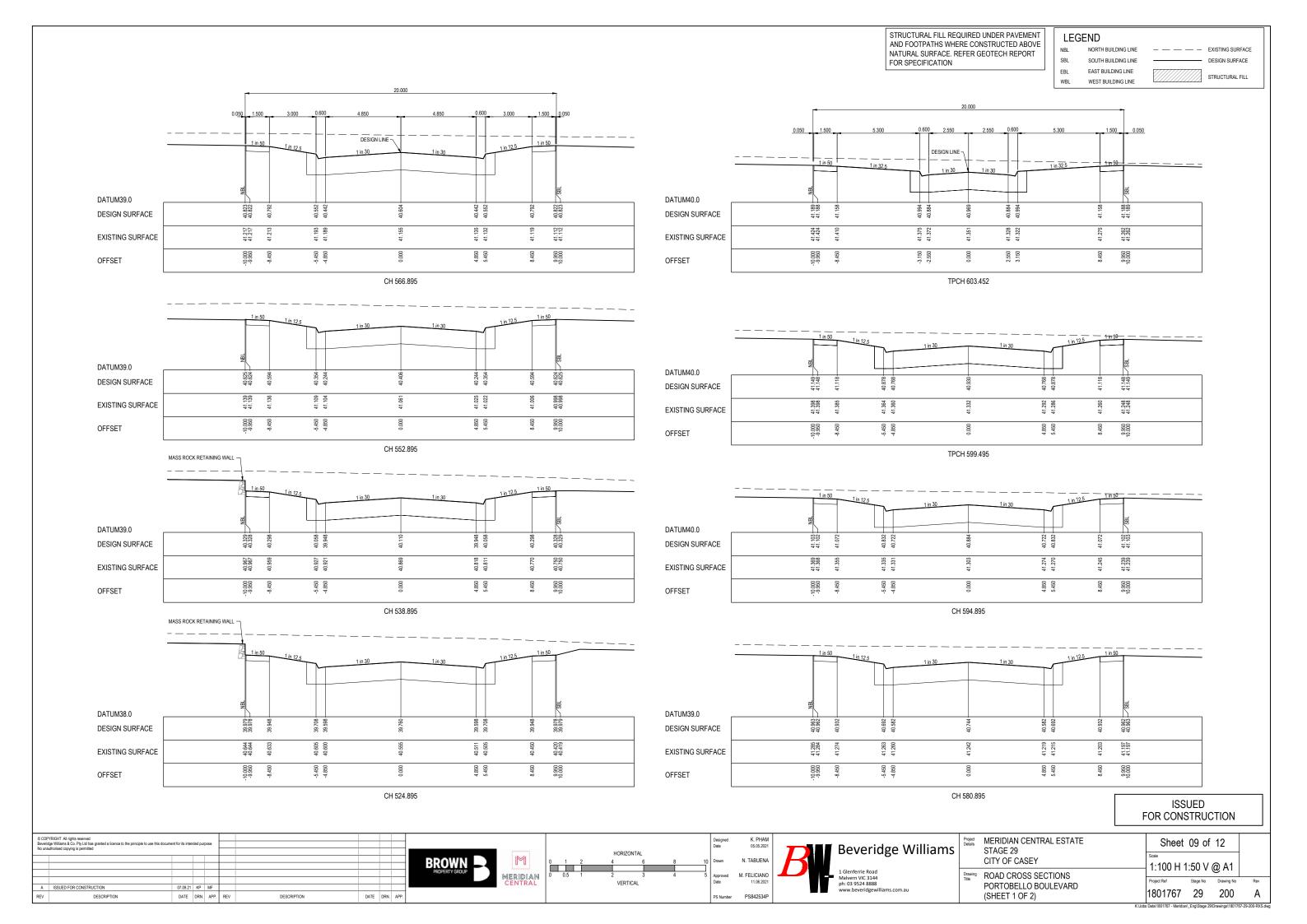
 $\mathbb{N}$ 

LEGEND - EXISTING SURFACE DESIGN LINE EXISTING SURFACE AT SOUTH BOUNDARY SOUTH LIP OF KERB
EXISTING SURFACE AT
NORTH BOUNDARY — — NORTH LIP OF KERB



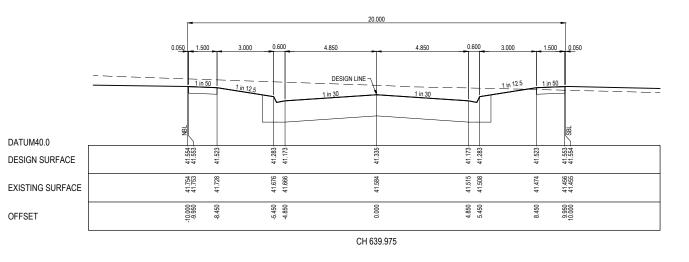
**ISSUED** FOR CONSTRUCTION

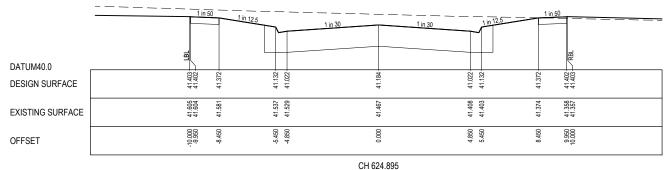
© COPYRIGHT All rights reserved Beverige Williams & Co. Pty Lth has granted a licence to the principle to use this document for its intended purpose. No unauthorised copying is permitted	HORIZ 1:500 0 5 10 20 30	Designed   K. PHAM   Date   05.05.2021     Drawn   N. TABUENA	Beveridge Williams	Project Details MERIDIAN CENTRAL ESTATE STAGE 29 CITY OF CASEY	Sheet 08 of 12
A ISSUED FOR CONSTRUCTION 07/9921 KP MF	HORIZ 1:500 0 5 10 20 30  MERIDIAN CENTRAL  VERT 1:50 0 0.5 1 2 3  SCALE AT AT SIZE	Approved M. FELICIANO Date 11.06.2021	1 Glenferrie Road Malvern VIC 3144 ph: 03 9524 8888	Drawing ROAD LONGITUDINAL SECTIONS PORTOBELLO BOULEVARD	1:500 H 1:50 V @ A1 Project Ref Stage No Drawing No Rev
REV DESCRIPTION DATE DRN. APP. REV DESCRIPTION DATE DRN. APP.		PS Number PS842534P	www.beveridgewilliams.com.au		1801767 29 100 A

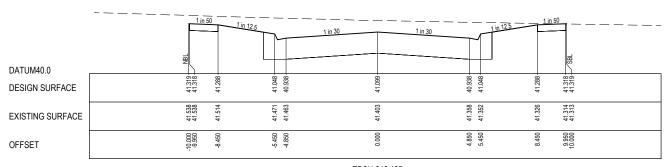


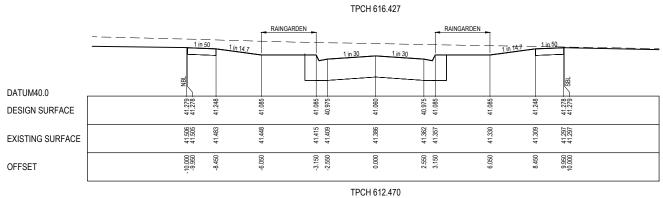
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE. REFER GEOTECH REPORT FOR SPECIFICATION

LEGEND NORTH BUILDING LINE - - - EXISTING SURFACE EAST BUILDING LINE STRUCTURAL FILL WEST BUILDING LINE

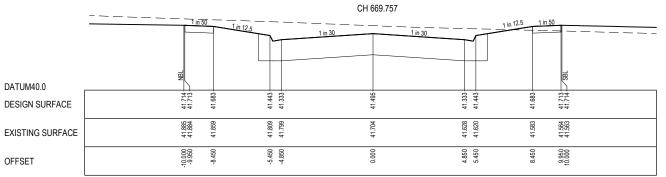








DESIGN LINE ~ 41.852 DESIGN SURFACE 42.233 42.035 42.279 EXISTING SURFACE 4.850 9.950



CH 655.975

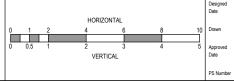
ISSUED FOR CONSTRUCTION

Α

Beve	IPYRIGHT All rights reserved ridge Williams & Co. Pty Ltd has granted a licence to the principle to use this docume rauthorised copying is permitted								
No u	lautnorised copying is permitted								
A	ISSUED FOR CONSTRUCTION	07.09.21	KP	MF					
REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.







DATUM40.0

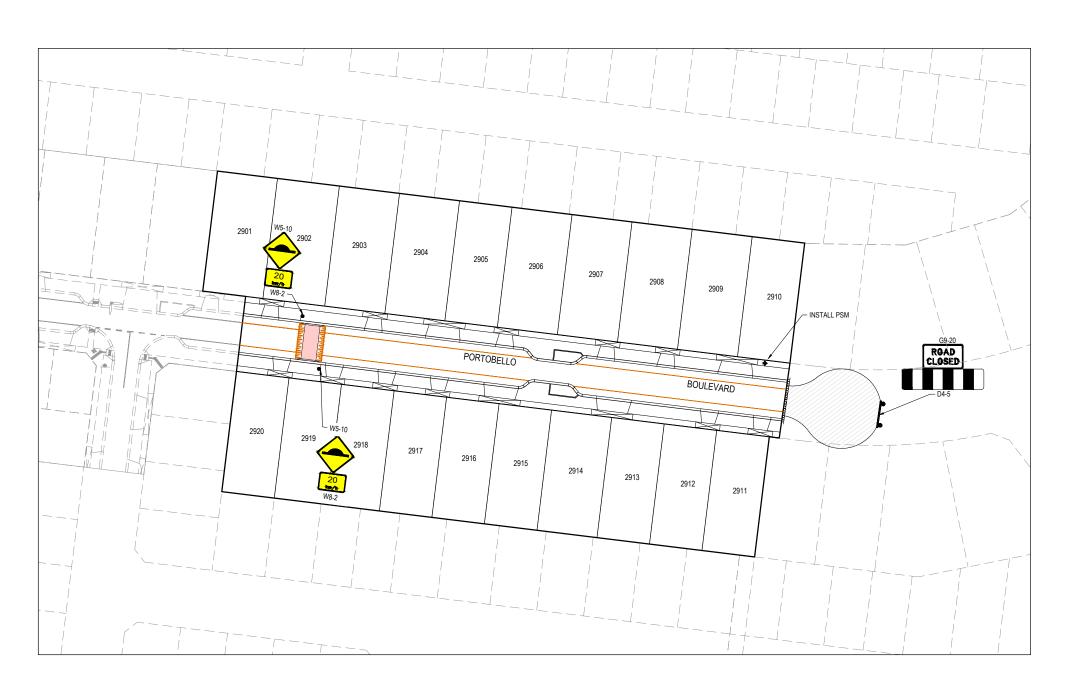
OFFSET



N. TABUENA

Beveridge Williams	Pi
1 Glenferrie Road Malvern VIC 3144 ph: 03 9524 8888	Di Ti

	•					
Project Details	MERIDIAN CENTRAL ESTATE STAGE 29		Sheet	10 of	12	
	CITY OF CASEY		Scale - 1:100 H 1:50 V @ A1			
Drawing Title	ROAD CROSS SECTIONS					
TILO	PORTOBELLO BOULEVARD	RELLO ROLLI EVARD	Project Ref	Stage No	Drawing No	
	(SHEET 2 OF 2)		1801767	29	201	



- NOTES

  1. RRPM'S AT MAX 6m SPACING.
- 2. LINEMARKING TO BE EXTENDED AT LEAST 6m FROM THE TANGENT POINT
- LINEMARKING IN ACCORDANCE WITH AS1742.
- TGSI TO BE INSTALLED IN ACCORDANCE WITH VICROADS RDN 06-06 - JULY 2010
- ALL STREET NAME SIGNS AT INTERSECTIONS TO INCLUDE RELEVENT STREET NUMBERING.
- ALL LINE MARKING PAINT SHALL BE LONG LIFE TYPE. LATERAL WORKS AND ARROWS BEING COLD APPLIED PLASTIC TROWELLED INTO PLACE (MATERIAL DEGADUR PLASTELINE) AND LONGITUDINAL LINES BEING EXTRUDED THERMOPLASTIC MATERIAL.

ISSUED FOR CONSTRUCTION

Project Details MERIDIAN CENTRAL ESTATE K. PHAM 05.05.2021 Sheet 11 of 12 Beveridge Williams STAGE 29 [N]BROWN N. TABUENA CITY OF CASEY 1:500 @ A1 M. FELICIANO 11.06.2021 Drawing Title SIGNAGE & LINE MARKING PLAN 07.09.21 KP MF A ISSUED FOR CONSTRUCTION 1801767 29 350 Α DATE DRN. APP. REV C:\Jobs Data\1801767 - Meridian\\_Eng\Stage 29\Drawings\1801767-29-350-LMP.dwg

	PIT SCHEDULE										
	INTERNAL DIMENSION		IN	INLET		OUTLET		PIT		REMARKS	
PIT NO.	PIT TYPE	WIDTH (mm)	LENGTH (mm)	DIAMETER (mm)	INVERT LEVEL (mm)	DIAMETER (mm)	INVERT LEVEL (mm)	INVERT RL	DEPTH (m)	STD DWG.	
Ex11	EXISTING PIT	750	900	300	38.826			40.625	1.999		CONNECT TO EXISTING PIT
1	GRATED ENTRY PIT	600	900			300	39.258	40.658	1.400	EDCM 601	
Ex12	EXISTING PIT	750	900	300	39.375			41.044	1.869		CONNECT TO EXISTING PIT
2	GRATED PIT	600	900			300	39.544	41.044	1.500	EDCM 605	INSTALL 600 x 900 ECO-WEAVED FLAT GRATE OR APPROVED EQUIVALENT
Ex13	EXISTING PIT	750	900	300	40.091			41.609	1.718		CONNECT TO EXISTING PIT
3	GRATED ENTRY PIT	600	900			300	40.203	41.603	1.400	EDCM 601	
Ex21	EXISTING PIT	600	900	300	38.835			39.964	1.129		CONNECT TO STUB
4	JUNCTION PIT	600	900	300	39.610	300	39.560	40.630	1.070	EDCM 605	
5	JUNCTION PIT	600	900	300	40.100	300	40.050	41.070	1.020	EDCM 605	
EP1	END PIPE					300	40.520	41.492	0.972		CAP PIPE FOR FUTURE CONNECTION

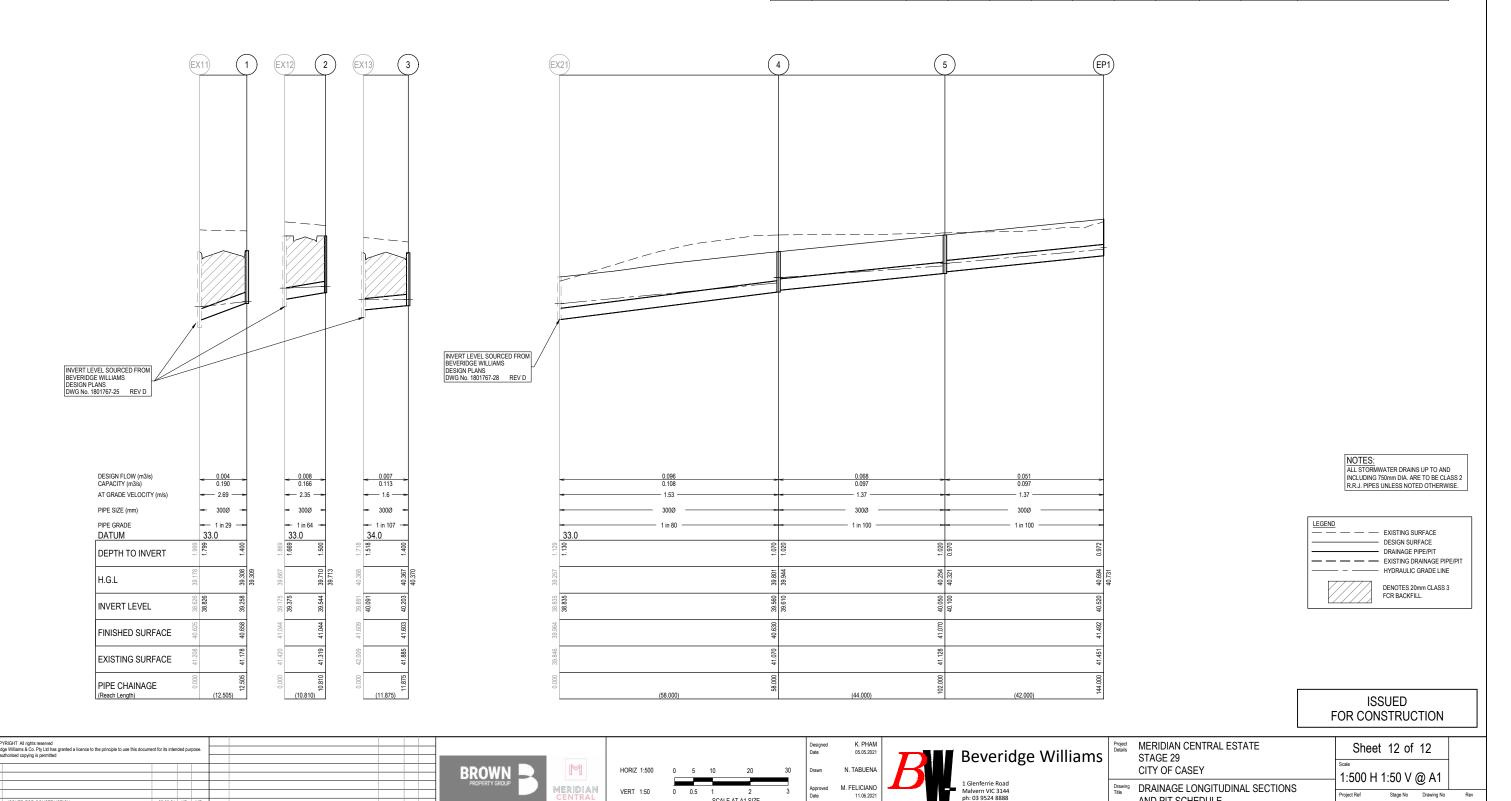
Stage No Drawing No

C:\Jobs Data\1801767 - Meridian\\_Eng\Stage 29\Drawings\1801767-29-400-DLS.dwg

Α

1801767 29 400

AND PIT SCHEDULE



SCALE AT A1 SIZE

A ISSUED FOR CONSTRUCTION

07.09.21 KP MF

DATE DRN. APP. REV