

# MERIDIAN CENTRAL ESTATE - STAGE 34

## BROWN PROPERTY GROUP

### CITY OF CASEY

#### CONSTRUCTION NOTES

##### SITE MANAGEMENT

- A1. 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 approvals officer.
- A3. 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.
- A4. 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 siltation control is to be maintained throughout the construction & maintenance period of the works.
- A5. 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 is installed.
- A6. Contractor to remove existing irrigation & drainage pipes & pits encountered on site. Trenches to be backfilled in accordance with notes C2 & C3.
- A7. An environmental management plan (EMP) must be submitted to and approved by Council prior to the commencement of any works on site and all works must be carried out in accordance with this EMP.
- 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.

##### GENERAL

- B1. 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 supervisor.
- B2. Council to be notified two (2) clear days prior to commencement of works.
- B3. 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).
- B4. Lots to be graded (1 in 150 min slope) & left clean to the satisfaction of the engineer. Finished levels to be compatible with lots adjoining this stage.
- B5. 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.
- B6. Reserves to be free draining & to be left in a condition satisfactory to the City of Casey works supervisor.
- B7. Where works are in the vicinity of existing services these services are to be located & the various authorities notified prior to the commencement of works.
- B8. All TBM's & control points are to be maintained & protected at all times during construction. Should any marks be disturbed, the contractor will immediately notify the consultant to arrange re-instatement at the contractors expense.
- B9. Provide painted paling fence along any boundary common to lots & municipal reserves as per Council Std. Dwg. S-706. Palings to be on the reserve side.
- B10. As constructed plans and electronic asset information in D-Spec and R-Spec format must be submitted to Council prior to practical completion.

##### ROADWORKS

- C1. 100% agricultural pipe drains (MPA standard drawing EDCM 202) to be placed behind all kerb & channel & buffer pitchers & where directed by the engineer.
- C2. 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.
- C3. Importing Fill:- All imported fill must be tested by a NATA approved laboratory to ensure it is suitable for use on site, & any contaminants 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 systems & natural waterways.
- 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 emulsion.
- 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.
- C8. 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 concrete marks the kerb & footpath exactly above the conduit.
- C9. Irrigation conduits are to be DN100 DWV PVC installed beneath the pavement and/or capping layer, if present. Locations are to be marked 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 drawing EDCM 401.
- 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 court name only.
- C14. Traffic control signs, markings & delineators to be installed in accordance with AS1742.2. All line marking is to be long life road marking, with longitudinal lines in thermoplastic & transverse markings in cold applied.
- 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.
- C17. Existing road works to be reconstructed as required to provide, without discontinuity, a connection in accordance with design levels & grades.
- 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 (TGSIs) 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

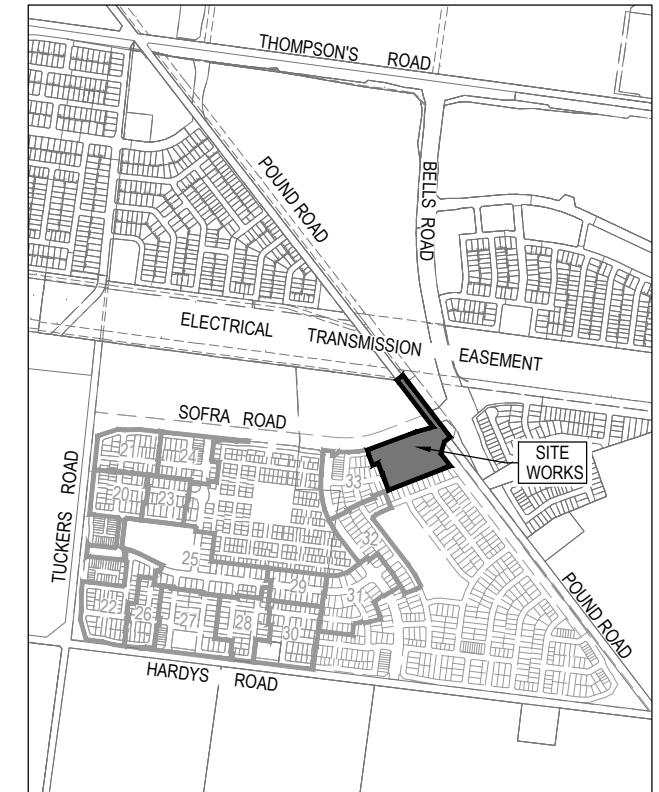
- D1. Drainage & pits to be set out from offsets shown rather than from centreline pipe chainages. Centreline of pits at TP's to be offset 1.00m.
- D2. Terra Firma or fibreglass type pit lids are required for all drainage pits & all grates for pits are to be Class D, to comply with AS3996 unless otherwise shown. All drainage works are to be constructed to council specifications.
- D3. 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 "Z" R.C. rubber ring joint unless noted otherwise. PVC pipes to be Class SH unless specified.
- D5. Pipe trenches beneath the road pavement, footpath or within 150mm of the kerb & channel to be backfilled with 20mm Class 3 FCR in 150mm layers.
- D6. Property inlets to be constructed as per MPA standard drawing EDCM 701 - EDCM 704.
- D7. 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.

##### PAVEMENT

- E1. Modification of the pavement requires approval by the City of Casey works supervisor.

#### DRAWING INDEX

DRAWING No.	TITLE	REVISION
1801767-34-001	COVER SHEET	C
1801767-34-002	TYPICAL ROAD CROSS SECTIONS & GENERAL DETAILS	A
1801767-34-003	PAVEMENT MAKEUP & RETAINING WALL DETAILS	A
1801767-34-010	LAYOUT PLAN (SHEET 1 OF 2)	A
1801767-34-011	LAYOUT PLAN (SHEET 2 OF 2)	B
1801767-34-100	ROAD LONGITUDINAL SECTIONS - TARANAKI CIRCUIT (SHEET 1 OF 2)	A
1801767-34-101	ROAD LONGITUDINAL SECTIONS - TARANAKI CIRCUIT (SHEET 2 OF 2) & RESERVE No.3 FOOTPATH	A
1801767-34-200	ROAD CROSS SECTIONS - TARANAKI CIRCUIT (SHEET 1 OF 3)	A
1801767-34-201	ROAD CROSS SECTIONS - TARANAKI CIRCUIT (SHEET 2 OF 3)	A
1801767-34-202	ROAD CROSS SECTIONS - TARANAKI CIRCUIT (SHEET 3 OF 3)	A
1801767-34-203	FOOTPATH CROSS SECTIONS	A
1801767-34-300	INTERSECTION DETAILS	A
1801767-34-350	SIGNAGE & LINE MARKING PLANS	A
1801767-34-400	DRAINAGE LONGITUDINAL SECTIONS (SHEET 1 OF 4)	A
1801767-34-401	DRAINAGE LONGITUDINAL SECTIONS (SHEET 2 OF 4)	A
1801767-34-402	DRAINAGE LONGITUDINAL SECTIONS (SHEET 3 OF 4)	A
1801767-34-403	DRAINAGE LONGITUDINAL SECTIONS (SHEET 4 OF 4) AND PIT SCHEDULE	B



SITE PLAN

NOT TO SCALE

MELWAY REF: 135 F4

#### Survey Origin:

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 Conversion.

(PLANE SHIFT) Add + 353,823.586 to Eastings

(APPLY SCALE FACTOR) Add +5,780,840.520 to Northings

Scale by 0.999846 at point PM77

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REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
C	DRAWING INDEX UPDATED	08.09.22	C.D.	M.F.					
B	DRAWING INDEX UPDATED	24.08.22	E.B.	M.F.					
A	ISSUED FOR CONSTRUCTION	23.08.22	E.B.	M.F.					



Designed Date J. TRINH 08.03.2022  
Drawn N. TABUENA  
Approved Date M. FELICIANO 08.03.2022  
PS Number PS848738P



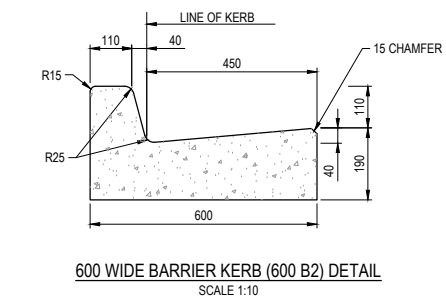
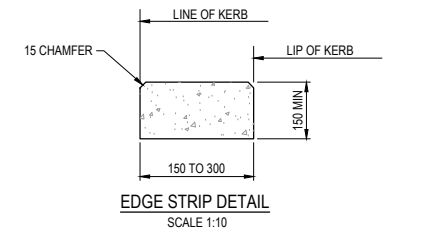
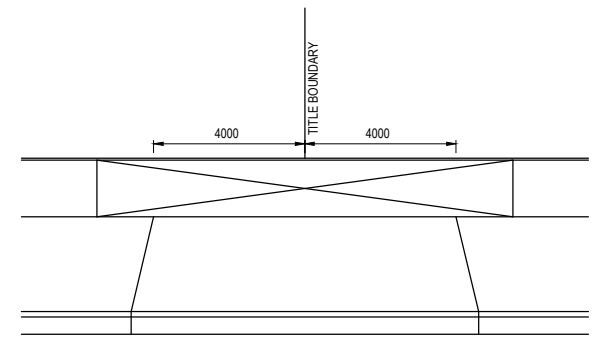
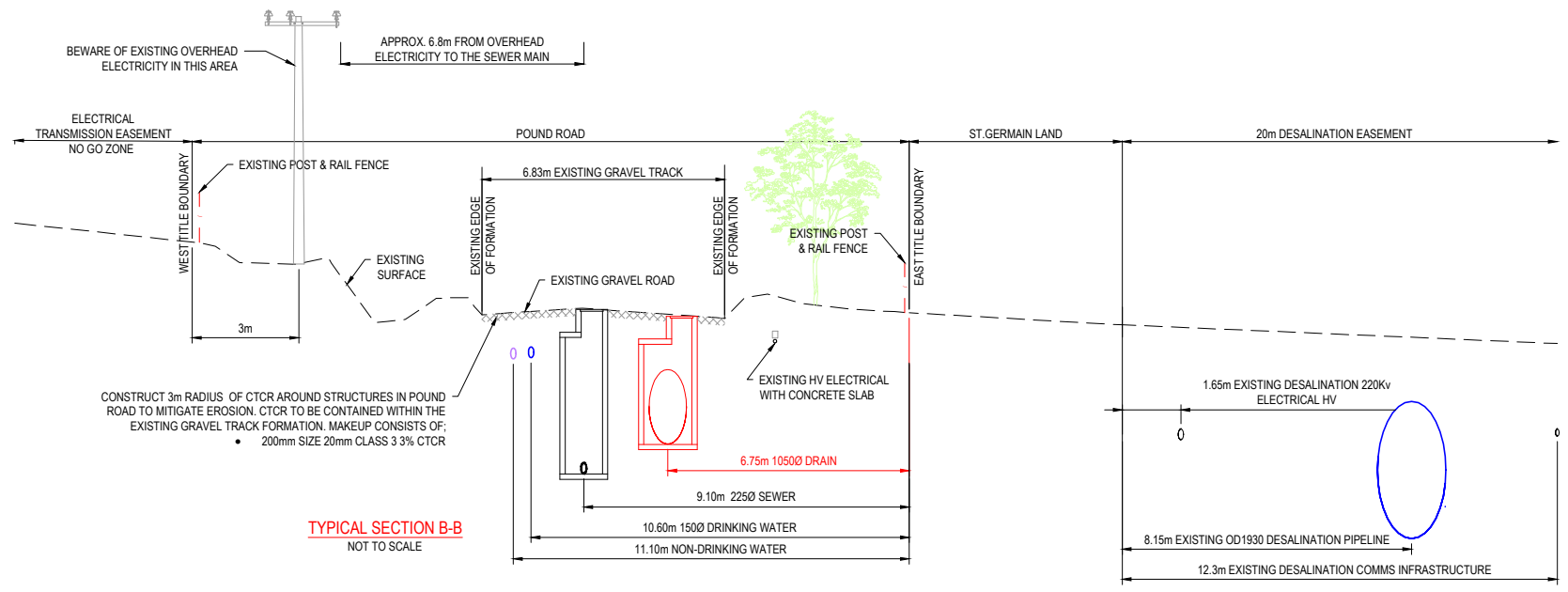
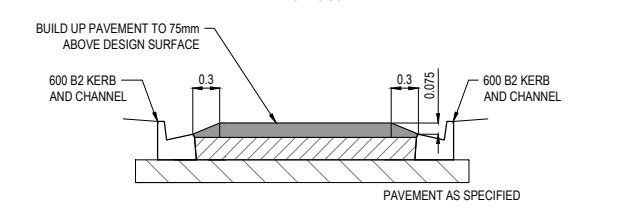
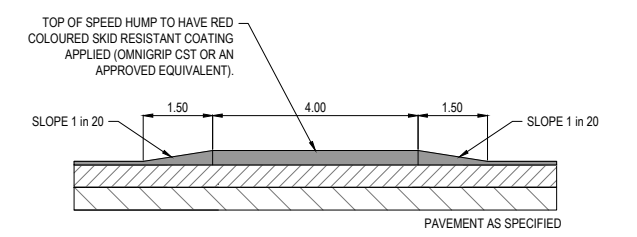
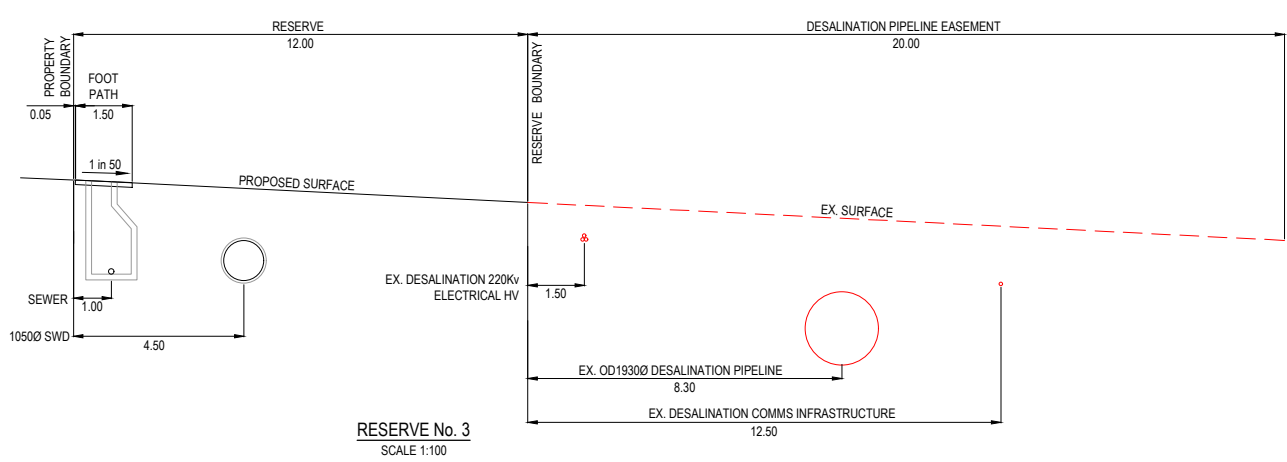
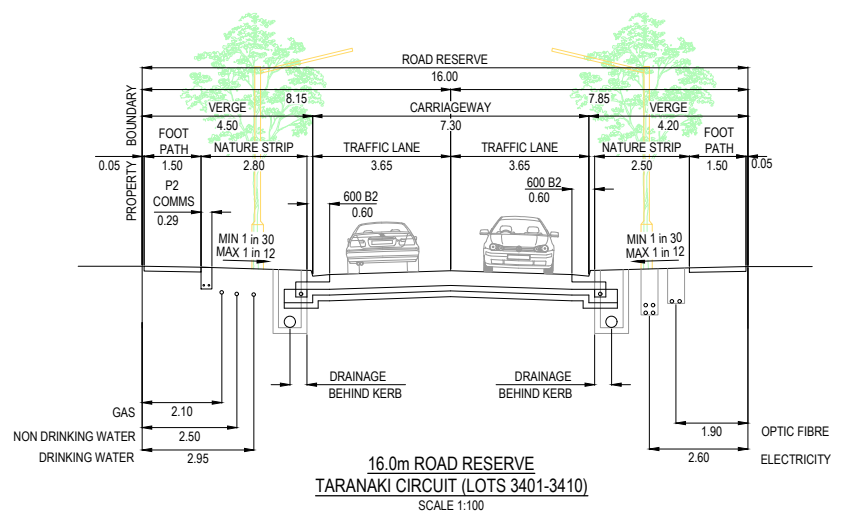
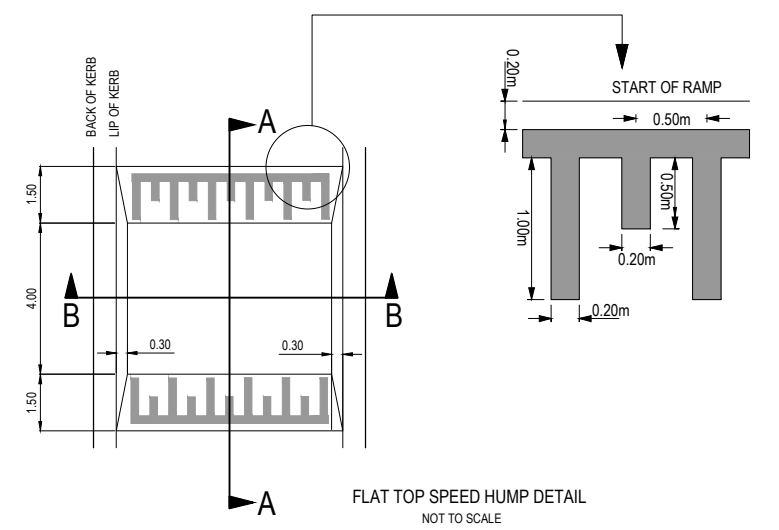
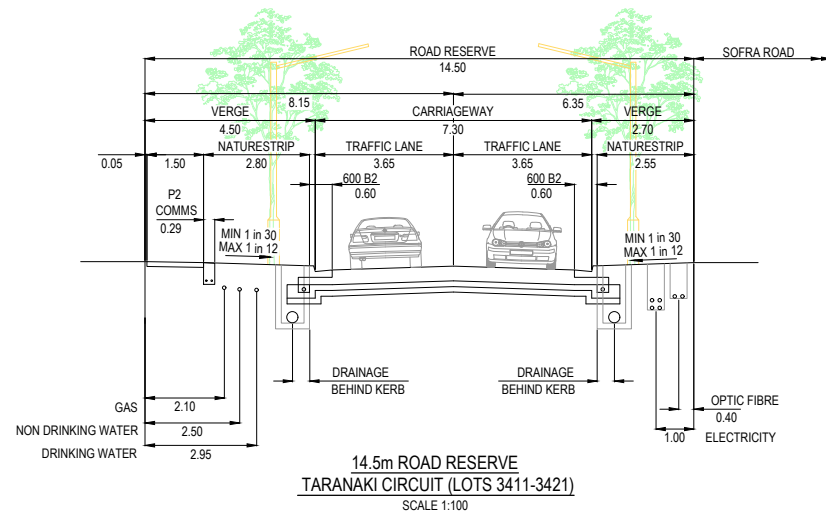
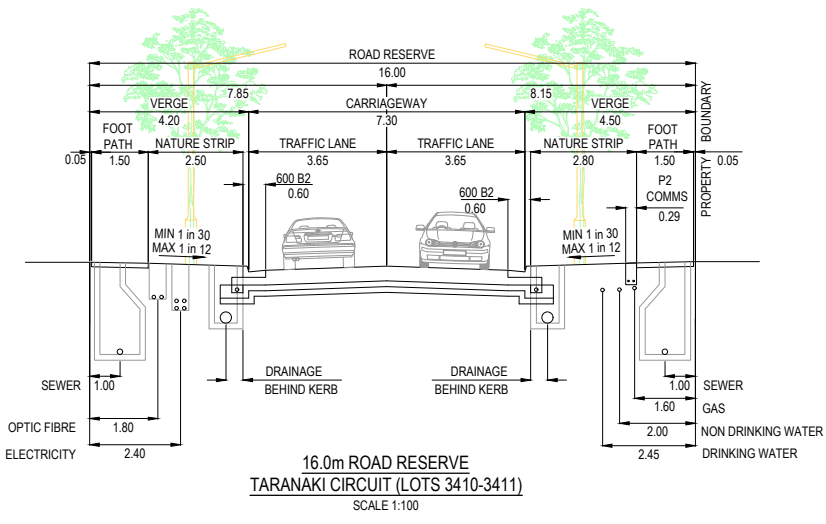
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STAGE 34  
CITY OF CASEY  
Drawing Title COVER SHEET

Sheet 01 of 17

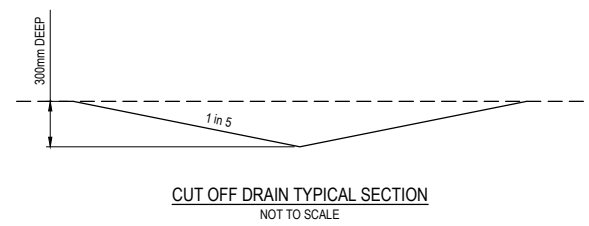
Scale

Project Ref Stage No Drawing No Rev

1801767 34 001 C



**NOTES**  
1. REFER TO EDMC 502 FOR FURTHER DETAILS  
**8.0m DOUBLE VEHICLE CROSSING DETAIL**  
NOT TO SCALE



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REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
A	ISSUED FOR CONSTRUCTION	23.08.22	E.B.	M.F.					

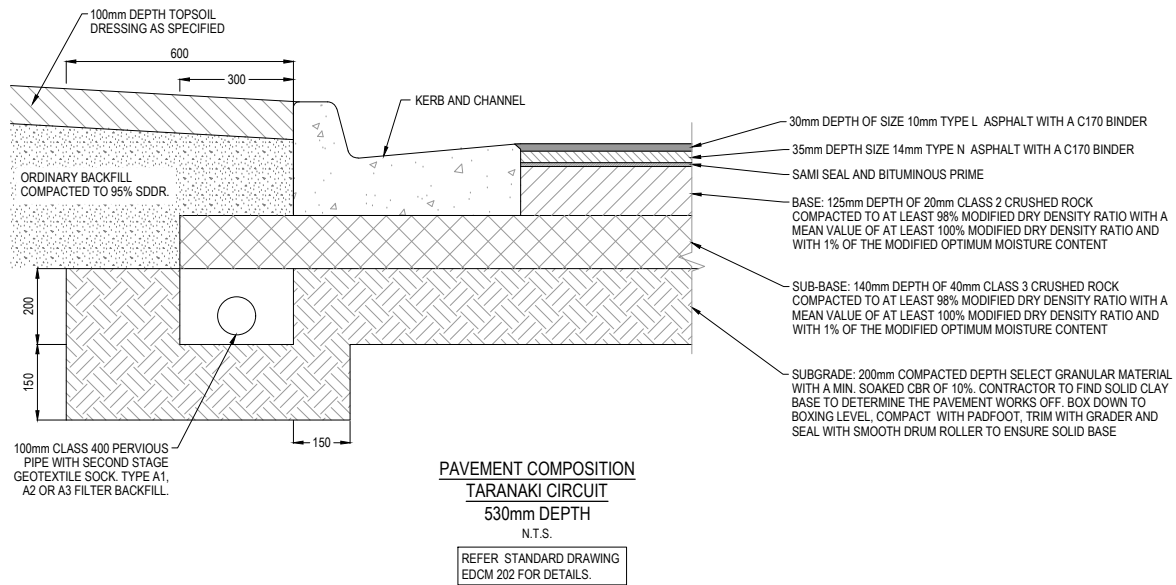


Designed Date: J. TRINH 08.03.2022  
Drawn: N. TABUENA  
Approved Date: M. FELICIANO 08.03.2022  
PS Number: PS848738P

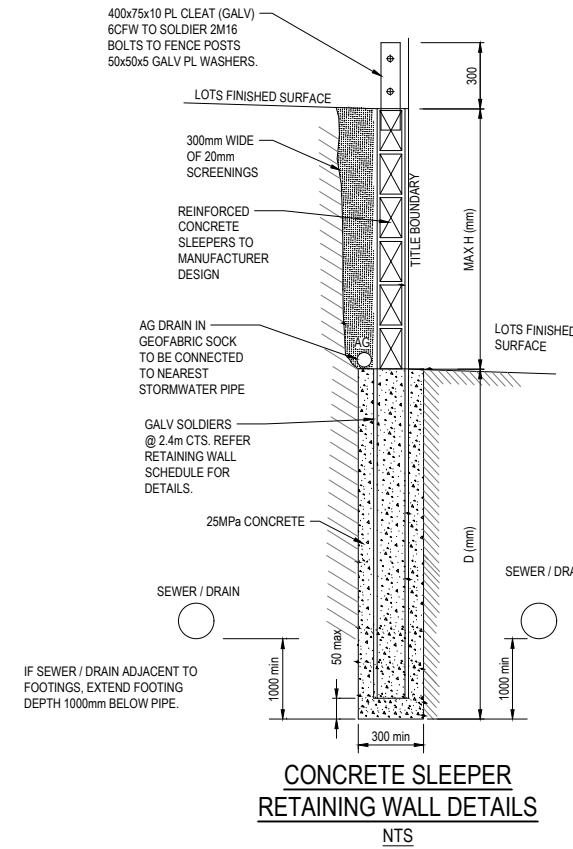


Project Details: MERIDIAN CENTRAL ESTATE STAGE 34 CITY OF CASEY  
Drawing Title: TYPICAL ROAD CROSS SECTIONS & GENERAL DETAILS

Sheet 02 of 17  
Scale: AS SHOWN  
Project Ref: 1801767 Stage No: 34 Drawing No: 002 Rev: A



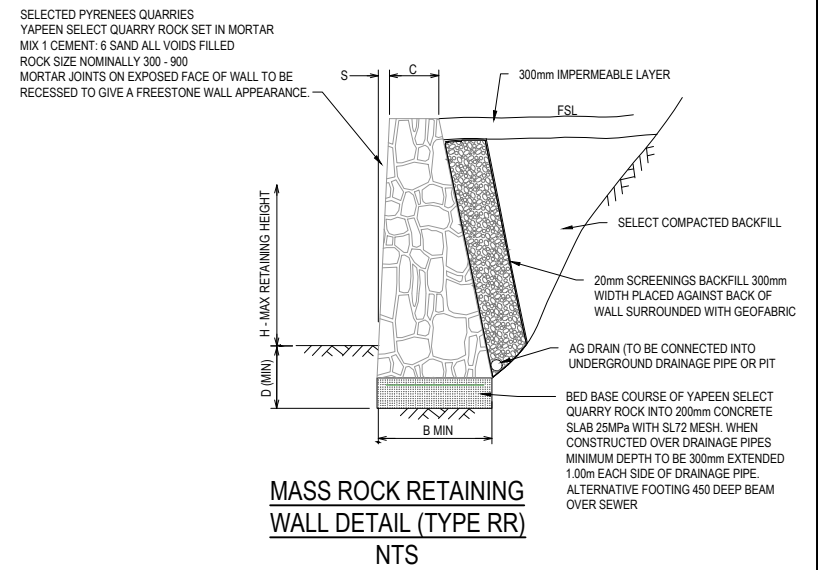
**PAVEMENT COMPOSITION  
TARANAKI CIRCUIT  
530mm DEPTH**  
N.T.S.  
REFER STANDARD DRAWING  
EDCM 202 FOR DETAILS.



**CONCRETE SLEEPER  
RETAINING WALL DETAILS**  
N.T.S.

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

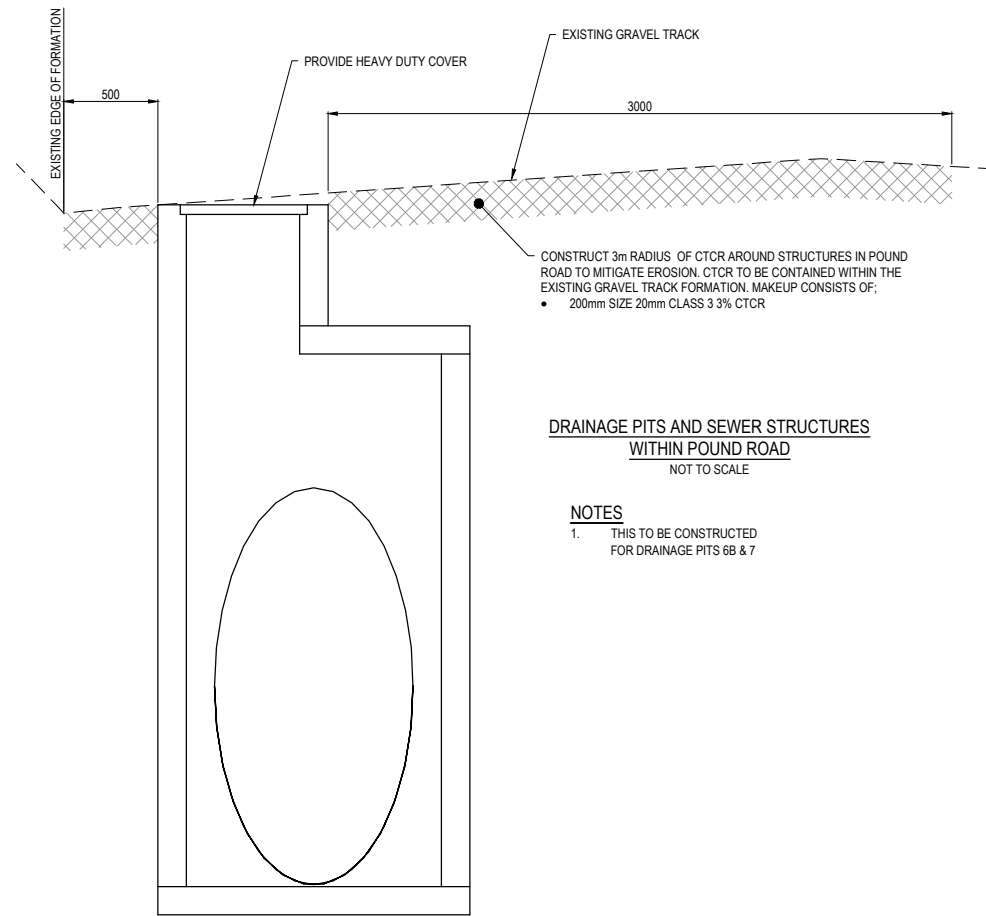
Dmin TO BE GREATER OF THAT SHOWN ABOVE OR 1000mm BELOW ADJACENT SEWER / DRAINAGE



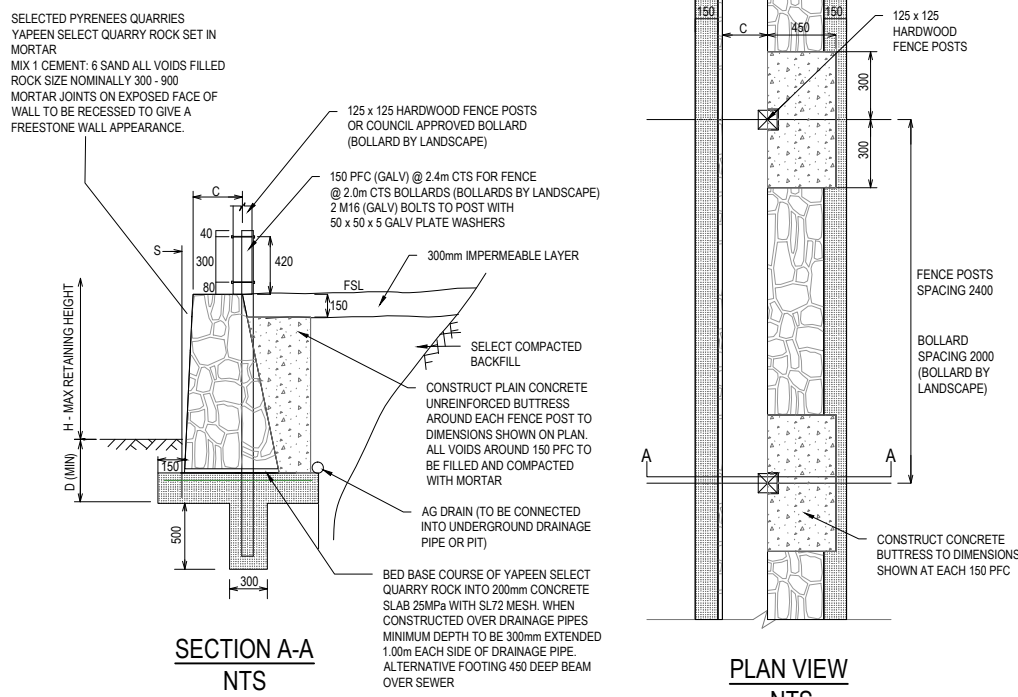
**MASS ROCK RETAINING  
WALL DETAIL (TYPE RR)**  
N.T.S.

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

- RETAINING WALL NOTE R.1  
a. WHERE FOOTPATH ABUTS RETAINING WALL CONTINUE CONCRETE UP TO BASE OF RETAINING WALL.
- 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 BEFORE CONCRETE IS PLACED.  
FOOTING EXCAVATIONS WHICH ARE DEEPEX TO PENETRATE THROUGH UNSUITABLE 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.



**DRAINAGE PITS AND SEWER STRUCTURES  
WITHIN POUND ROAD**  
NOT TO SCALE  
**NOTES**  
1. THIS TO BE CONSTRUCTED  
FOR DRAINAGE PITS 6B & 7



**MASS ROCK RETAINING WALL DETAIL WITH  
PALING TIMBER FENCE (TYPE RR) OR BOLLARD  
(BOLLARD BY LANDSCAPE)**  
N.T.S.

**ISSUED FOR  
CONSTRUCTION**

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
A	ISSUED FOR CONSTRUCTION	23.08.22	E.B.	M.F.					



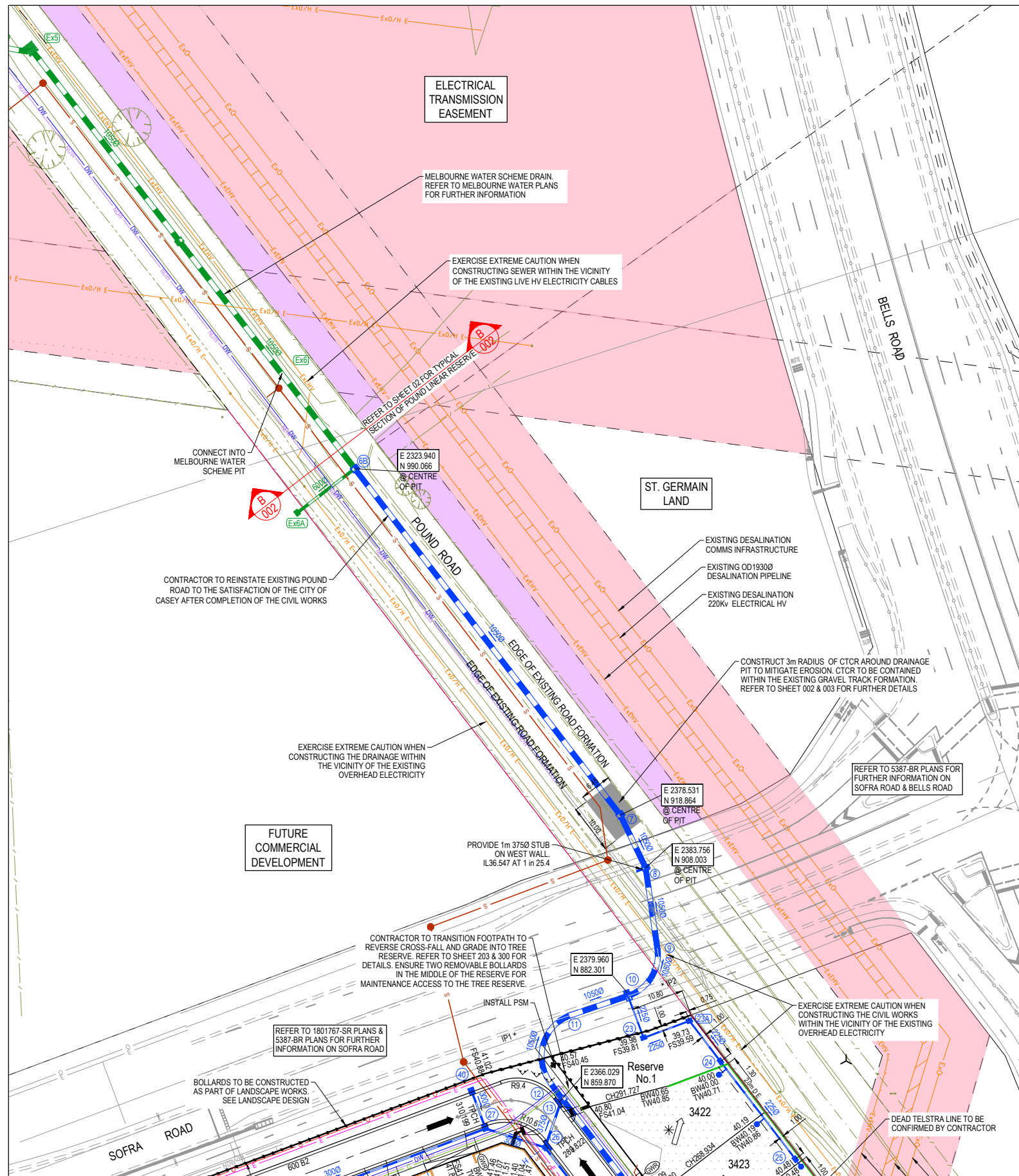
Designed Date: J. TRINH 08.03.2022  
Drawn: N. TABUENA  
Approved Date: M. FELICIANO 08.03.2022  
PS Number: PS848738P

**Beveridge Williams**  
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Project Details: MERIDIAN CENTRAL ESTATE STAGE 34 CITY OF CASEY  
Drawing Title: PAVEMENT MAKEUP & RETAINING WALL DETAILS

Sheet 03 of 17  
Scale: AS SHOWN  
Project Ref: 1801767 Stage No: 34 Drawing No: 003 Rev: A





**LEGEND - LAYOUT PLAN**

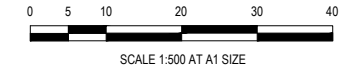
- STORMWATER DRAIN, PIT & PROPERTY INLET
- MELBOURNE WATER DRAIN & PIT
- SWALE DRAIN
- SEWER & MAINTENANCE STRUCTURES
- HOUSE DRAIN
- SERVICE CONDUITS
- TACTILE PAVERS (INDICATIVE ONLY)
- ELECTRICITY (UNDERGROUND)
- ELECTRICITY (OVERHEAD)
- OPTIC FIBRE
- TELECOMMUNICATIONS
- GAS
- WATER
- RECYCLED WATER
- EXISTING ELECTRICITY (UNDERGROUND)
- EXISTING ELECTRICITY (OVERHEAD)
- EXISTING GAS
- EXISTING OPTIC FIBRE
- EXISTING TELECOMMUNICATIONS
- EXISTING WATER
- EXISTING RECYCLED WATER
- EXISTING STORMWATER DRAIN
- EXISTING MELBOURNE WATER DRAIN
- EXISTING SEWER
- EXISTING HOUSE DRAIN
- EXISTING SWALE DRAIN
- EXISTING SURFACE LEVEL
- FINISHED BUILDING LINE LEVEL
- FINISHED RIDGE LINE LEVEL
- TOP OF RETAINING WALL
- BOTTOM OF RETAINING WALL
- RIDGE LINE
- MASS ROCK RETAINING WALL
- CONCRETE SLEEPER RETAINING WALL
- EXISTING CONCRETE SLEEPER RETAINING WALL
- ZERO LOT LINES
- PAVEMENT TREATMENT
- STRUCTURAL FILL > 200mm DEEP
- EX. STRUCTURAL FILL > 200mm DEEP
- DIRECTION OF FALL
- OVERLAND FLOW
- ALLOTMENT TO BE GRADED EVENLY IN DIRECTION OF FALL TO LEVELS INDICATED
- CONCRETE EDGE STRIP WITH SUBSOIL DRAIN, "NO ROAD" SIGN & BARRIER
- LIMIT OF WORKS
- EXISTING TREE TO BE REMOVED
- PERMANENT SURVEY MARK
- TEMPORARY BENCH MARK
- PROPOSED DRIVEWAY
- TREE PROTECTION ZONE (TPZ)

**ST.GERMAIN LAND**

**WARNING! (NO GO ZONE)**  
NO WORKS TO BE COMMENCED WITHIN THE EXISTING DESALINATION EASEMENT OR OVER THE EXISTING 220KV HV ELEC, 19000 DESAL PIPELINE & OPTIC CABLE WITHOUT PRIOR WRITTEN APPROVAL FROM DELWP AND AUSNET.

**DANGER!**  
OVERHEAD ELECTRICITY.  
CONTRACTOR TO EXERCISE EXTREME CAUTION WHEN OPERATING IN THE VICINITY OF THESE LINES. THE CONTRACTOR MUST ADHERE TO ALL "NO GO ZONE" REQUIREMENTS OF THE POWER AUTHORITY.

**WARNING**  
**BEWARE OF UNDERGROUND SERVICES**  
The locations of underground services are approximate only and their exact position should be proven on site. No guarantee is given that all existing services are shown. Locate all underground services before commencement of works  
**DIAL 1100 BEFORE YOU DIG**  
www.1100.com.au



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B	CTCR EXTENDED DOWNSTREAM OF PIT 7	08.09.22	CD	M.F.	
A	ISSUED FOR CONSTRUCTION	23.08.22	EB	M.F.	
REV	DESCRIPTION	DATE	DRN.	APP.	REV



Designed  
Date  
08.03.2022

Drawn  
N. TABUENA

Approved  
Date  
08.03.2022

PS Number  
PS848738P

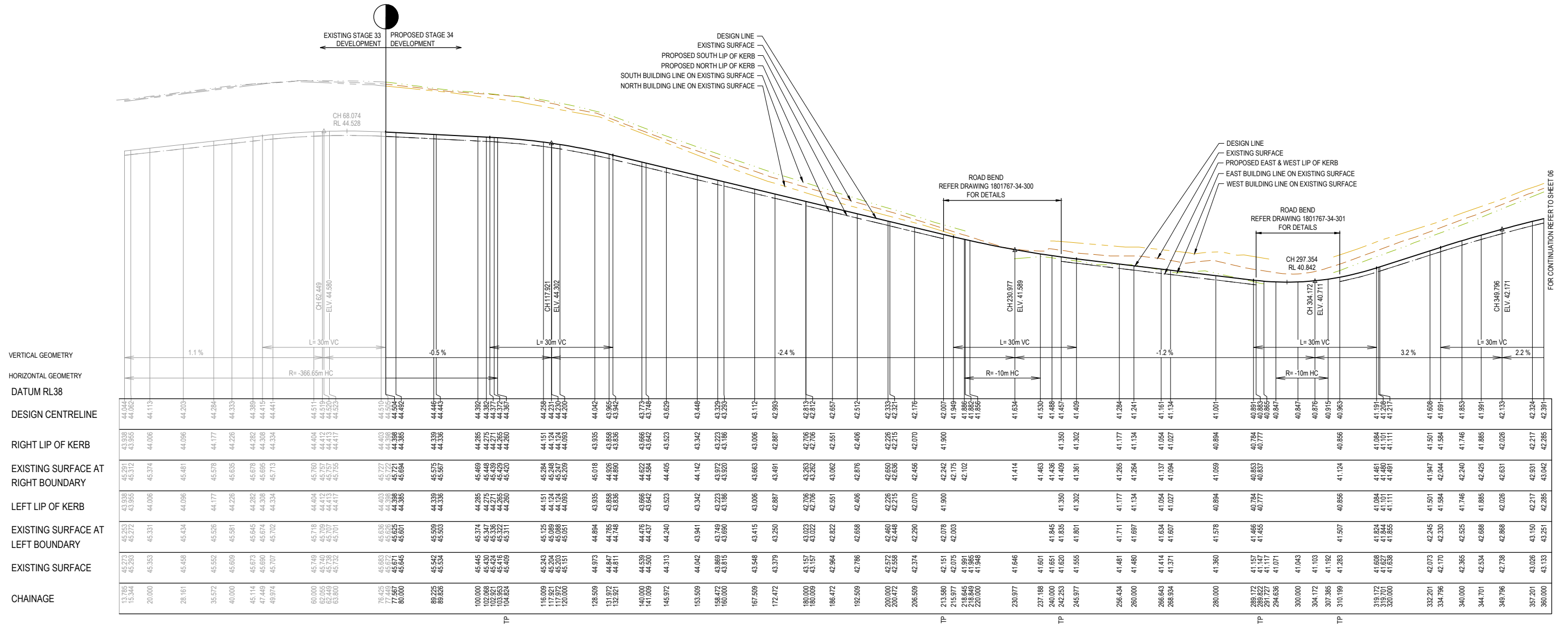


Project  
Details  
MERIDIAN CENTRAL ESTATE  
STAGE 34  
CITY OF CASEY

Drawing  
Title  
LAYOUT PLAN  
(SHEET 2 OF 2)

Sheet 05 of 17			
Scale 1:500 @ A1			
Project Ref 1801767	Stage No 34	Drawing No 011	Rev B

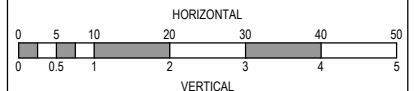
LEGEND	
	EXISTING SURFACE
	DESIGN LINE
	FUTURE DESIGN LINE
	EXISTING SURFACE AT SOUTH / WEST BOUNDARY
	SOUTH / WEST LIP OF KERB
	EXISTING SURFACE AT NORTH / EAST BOUNDARY
	NORTH / EAST LIP OF KERB



TARANAKI CIRCUIT - ROAD LONGITUDINAL SECTION

ISSUED FOR CONSTRUCTION

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
A	ISSUED FOR CONSTRUCTION	23.08.22	E.B.	M.F.					



Designed Date: J. TRINH 08.03.2022  
 Drawn: N. TABUENA  
 Approved Date: M. FELICIANO 08.03.2022  
 PS Number: PS848738P

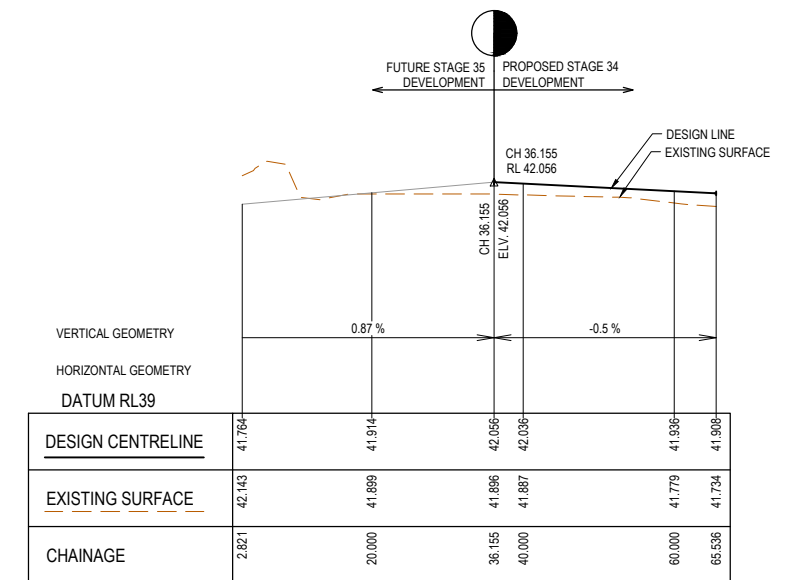
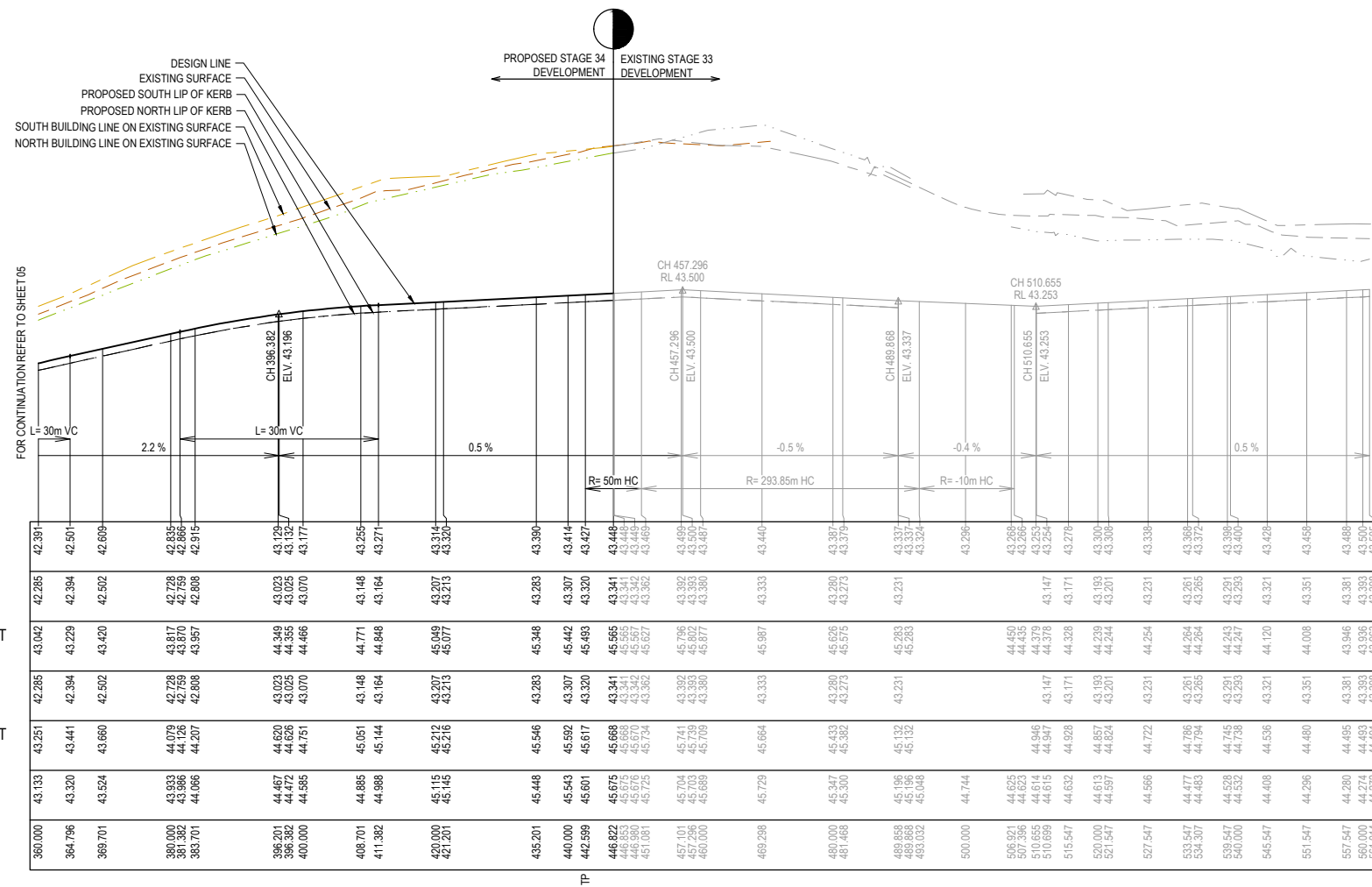


Project Details: MERIDIAN CENTRAL ESTATE STAGE 34 CITY OF CASEY  
 Drawing Title: ROAD LONGITUDINAL SECTIONS (SHEET 1 OF 2)

Sheet 06 of 17  
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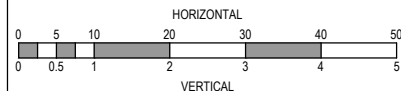
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LEGEND	
	EXISTING SURFACE
	DESIGN LINE
	FUTURE DESIGN LINE
	EXISTING SURFACE AT SOUTH / WEST LIP OF KERB
	SOUTH / WEST LIP OF KERB
	EXISTING SURFACE AT NORTH / EAST BOUNDARY
	NORTH / EAST LIP OF KERB



ISSUED FOR CONSTRUCTION

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
A	ISSUED FOR CONSTRUCTION	23.08.22	E.B.	M.F.					



Designed Date: J. TRINH 08.03.2022  
 Drawn: N. TABUENA  
 Approved Date: M. FELICIANO 08.03.2022  
 PS Number: PS848738P



Project Details: MERIDIAN CENTRAL ESTATE STAGE 34 CITY OF CASEY  
 Drawing Title: ROAD LONGITUDINAL SECTIONS TARANAKI CIRCUIT (SHEET 2 OF 2) & RESERVE No.3 FOOTPATH

Sheet 07 of 17  
 Scale: 1:500 H 1:50 V @ A1  
 Project Ref: 1801767 Stage No: 34 Drawing No: 101 Rev: A

K:\Jobs Data\1801767 - Meridian\_Eng\Stage 34\Drawings\1801767-34-100-RL.S.dwg

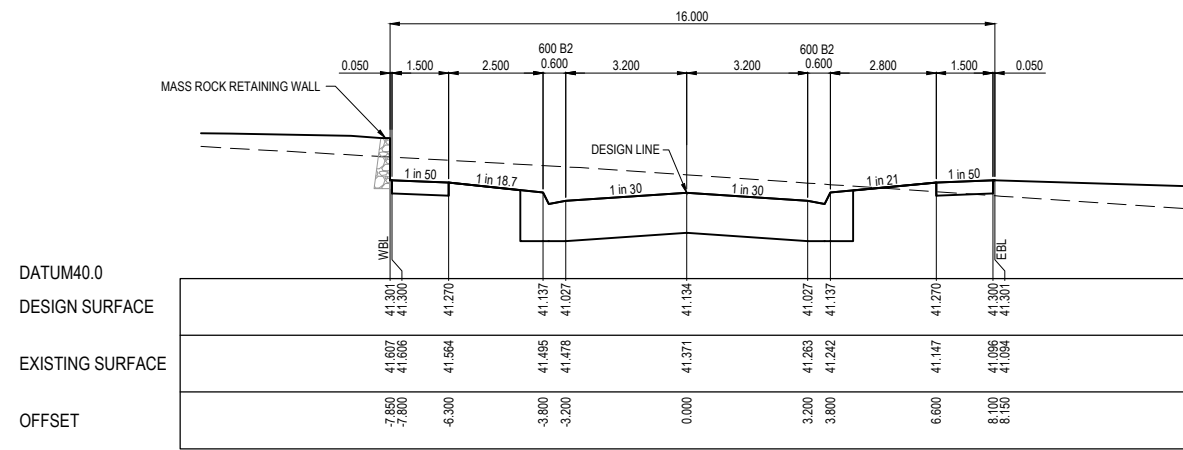




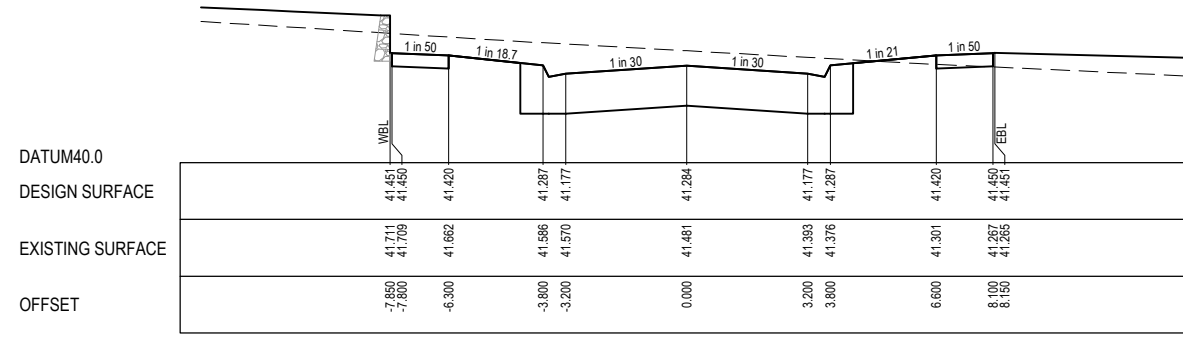
**LEGEND**

- EXISTING SURFACE
- DESIGN SURFACE
- ▨ STRUCTURAL FILL

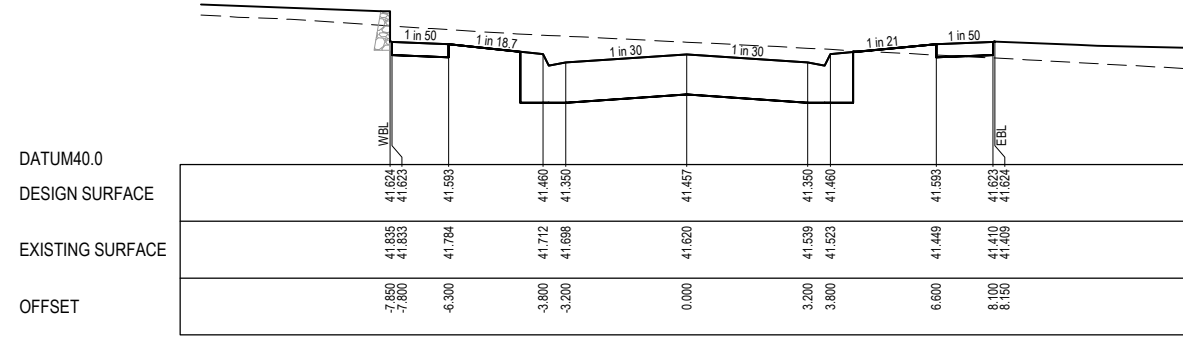
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE. REFER GEOTECH REPORT FOR SPECIFICATION



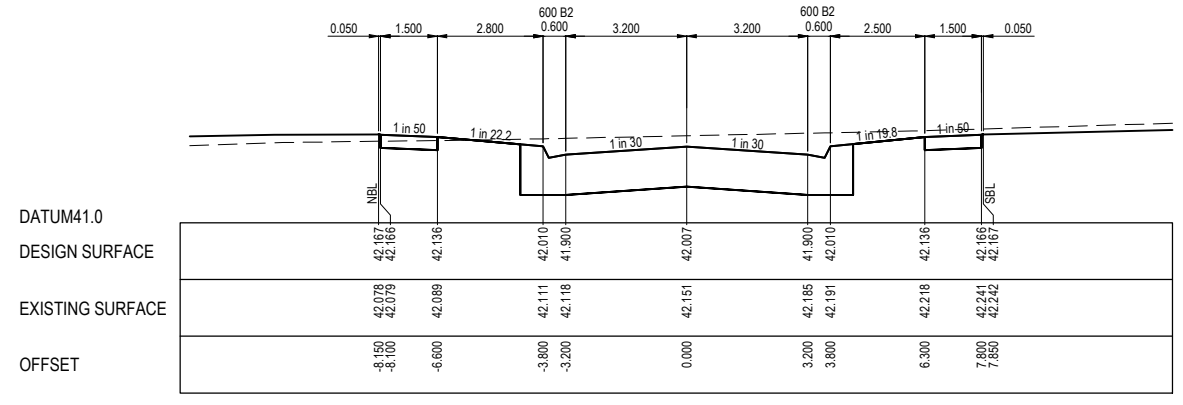
CH 268.934



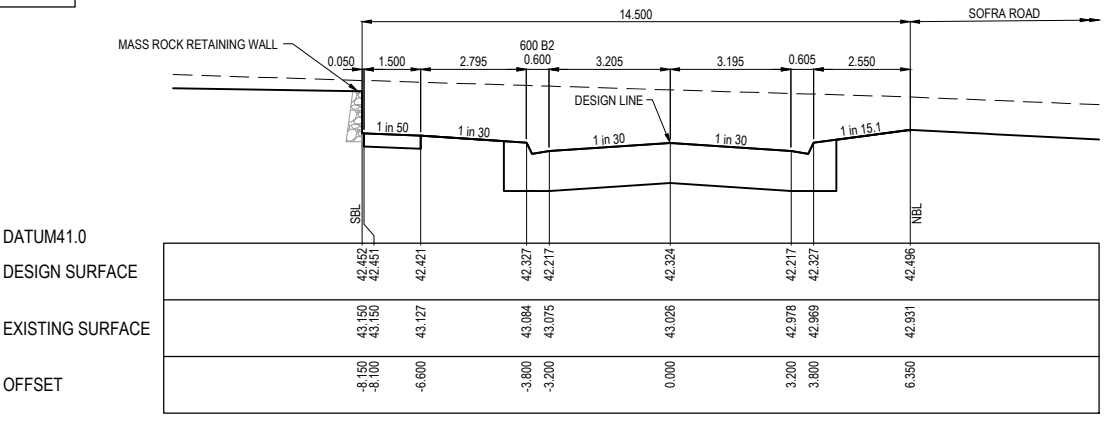
CH 256.434



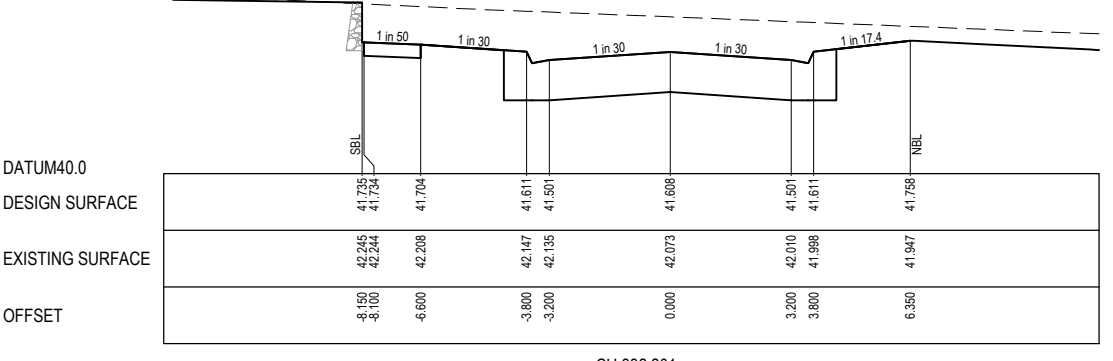
TPCH 242.252



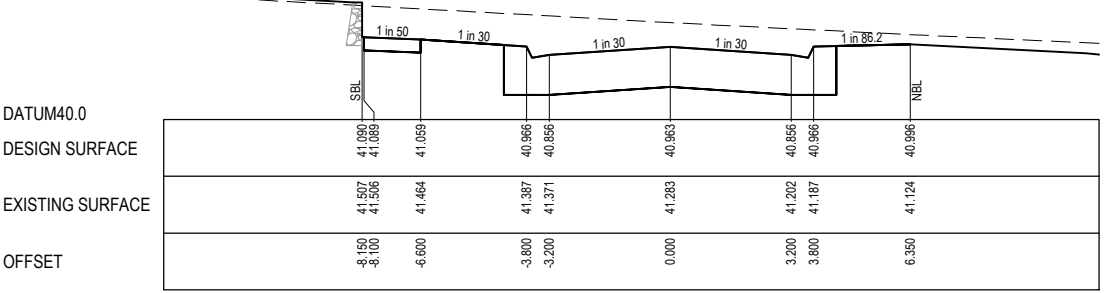
TPCH 213.580



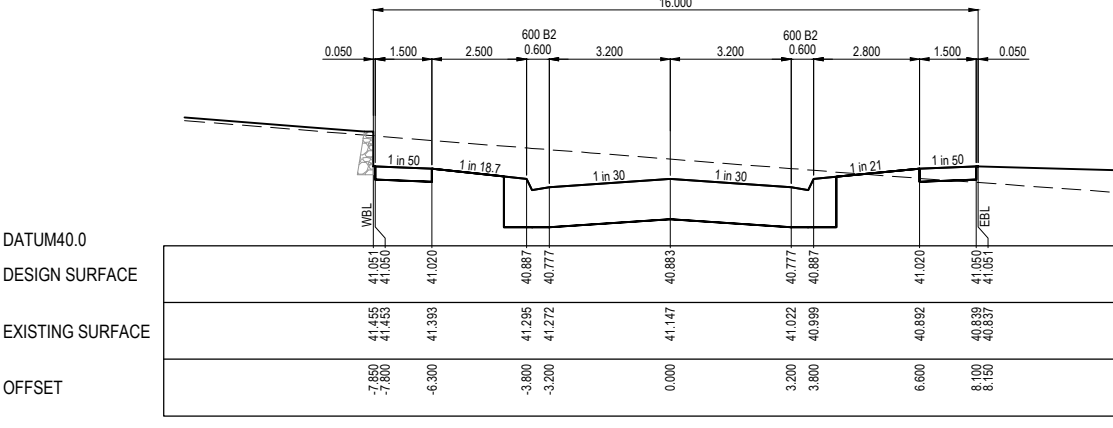
CH 357.201



CH 332.201



TPCH 310.199

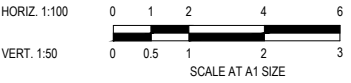


TPCH 289.822

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REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
A	ISSUED FOR CONSTRUCTION	23.08.22	E.B.	M.F.					



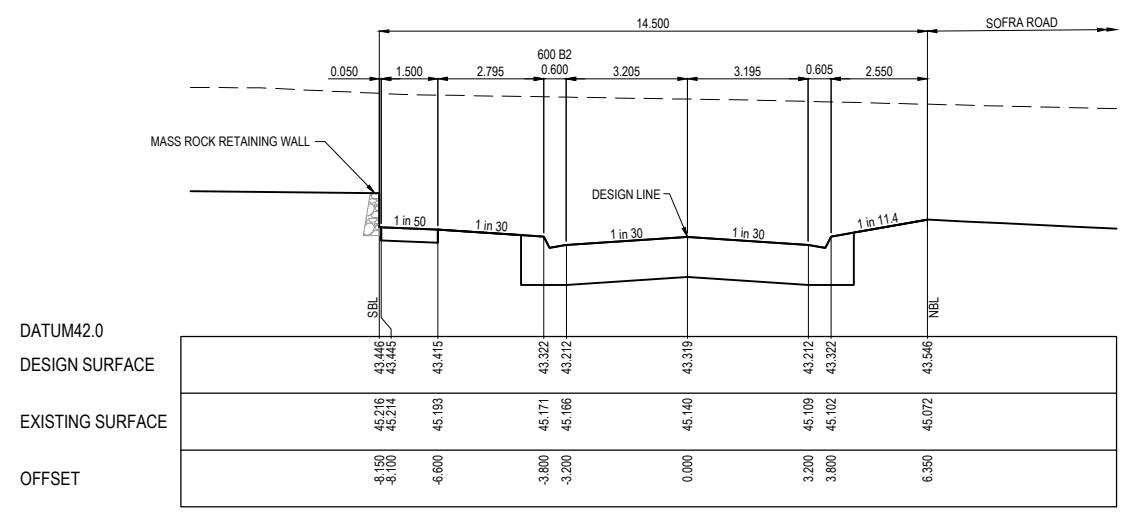
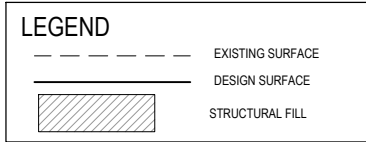
Designed Date: J. TRINH 06.03.2022  
Drawn: N. TABUENA  
Approved Date: M. FELICIANO 06.03.2022  
PS Number: PS848738P



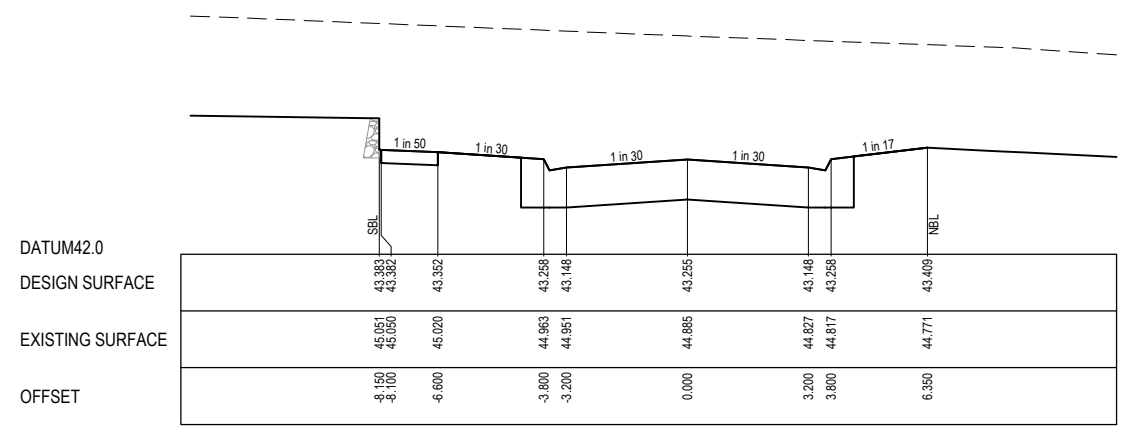
Project Details: MERIDIAN CENTRAL ESTATE  
STAGE 34  
CITY OF CASEY  
Drawing Title: ROAD CROSS SECTIONS  
TARANAKI CIRCUIT  
(SHEET 2 OF 3)

Sheet 09 of 17	
Scale: 1:100 H 1:50 V @ A1	
Project Ref: 1801767	Stage No: 34
Drawing No: 201	Rev: A

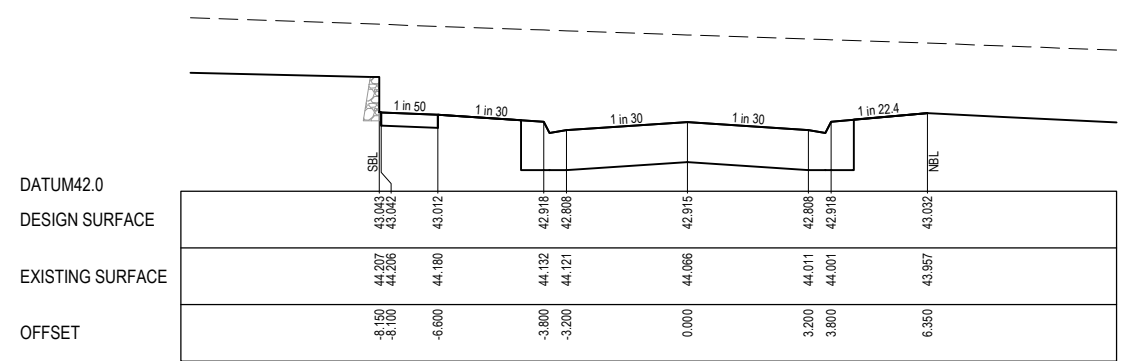
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE. REFER GEOTECH REPORT FOR SPECIFICATION



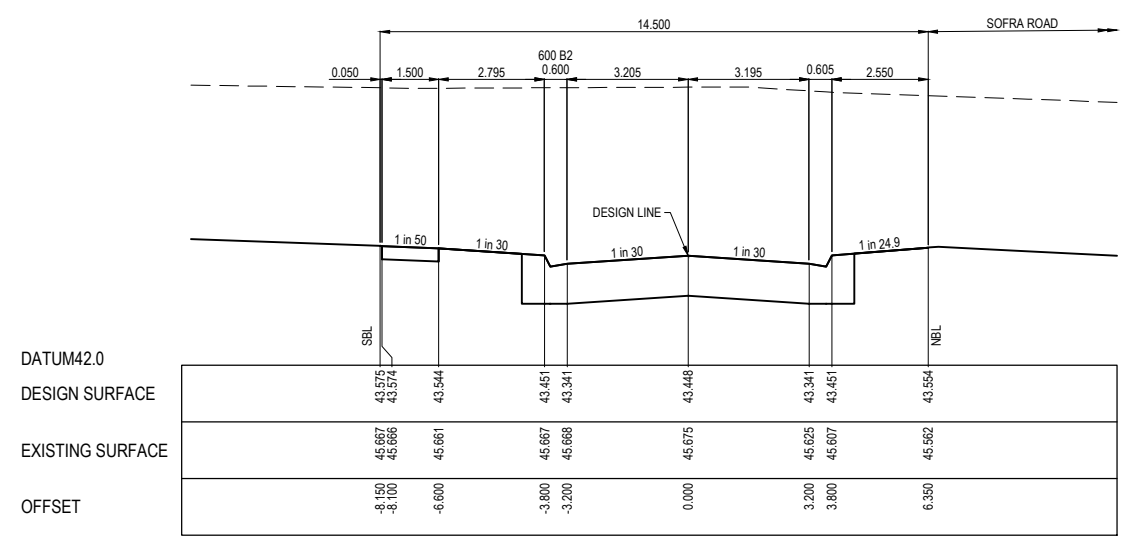
CH 421.201



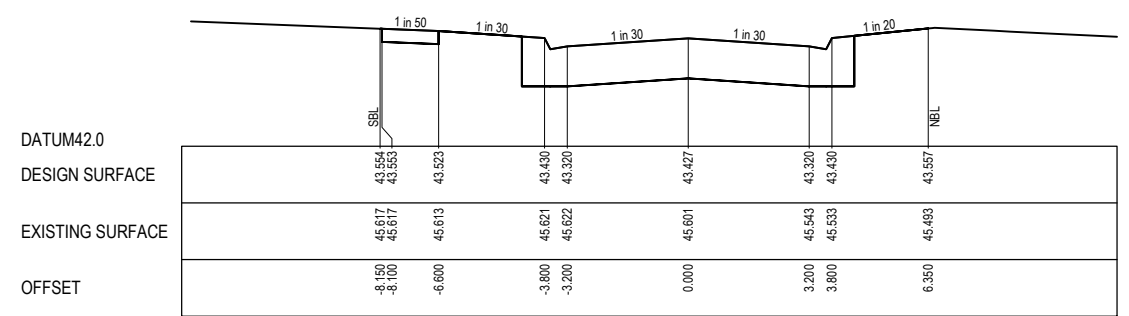
CH 408.701



CH 383.701



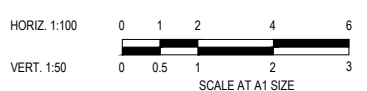
CH 446.822



TPCH 442.599

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REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
A	ISSUED FOR CONSTRUCTION	23.08.22	E.B.	M.F.					



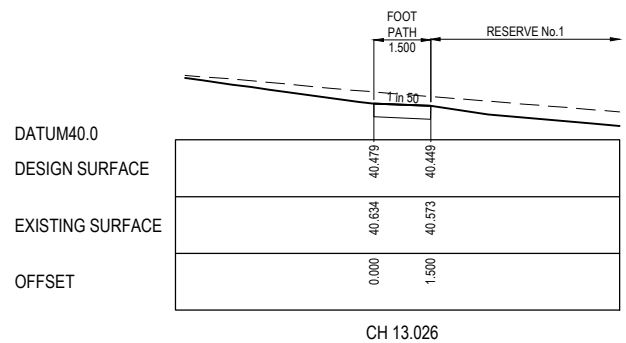
Designed Date: J. TRINH 06.03.2022  
Drawn: N. TABUENA  
Approved Date: M. FELICIANO 08.03.2022  
PS Number: PS848738P



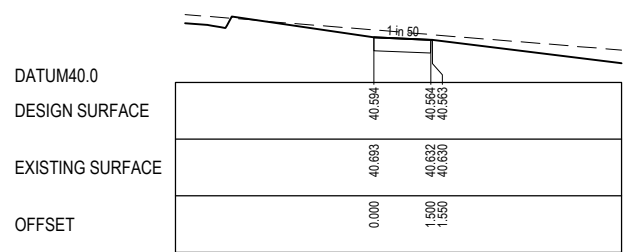
Project Details: MERIDIAN CENTRAL ESTATE STAGE 34 CITY OF CASEY  
Drawing Title: ROAD CROSS SECTIONS TARANAKI CIRCUIT (SHEET 3 OF 3)

Sheet 10 of 17			
Scale 1:100 H 1:50 V @ A1			
Project Ref	Stage No	Drawing No	Rev
1801767	34	202	A

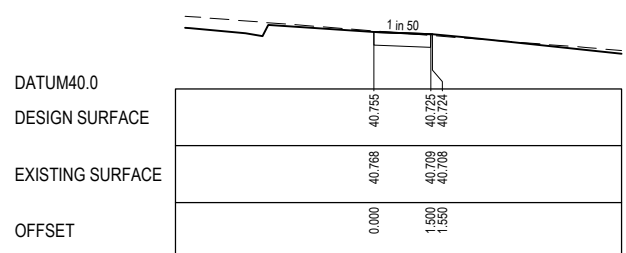
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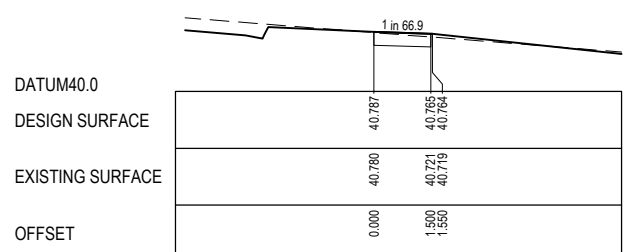
CH 13.026



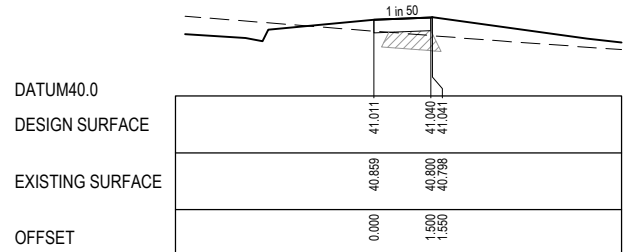
CH 10.000



CH 5.723



CH 5.000



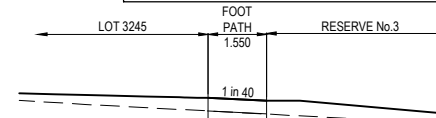
CH 0.000

RESERVE No.1 FOOTPATH

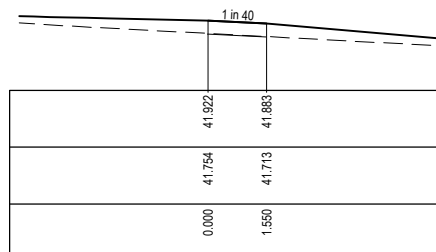
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE. REFER GEOTECH REPORT FOR SPECIFICATION

**LEGEND**

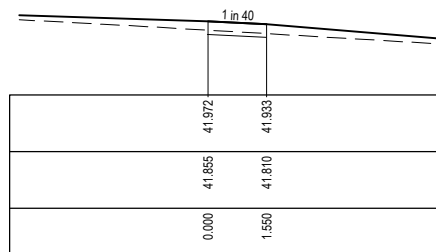
- EXISTING SURFACE
- DESIGN SURFACE
- ▨ STRUCTURAL FILL



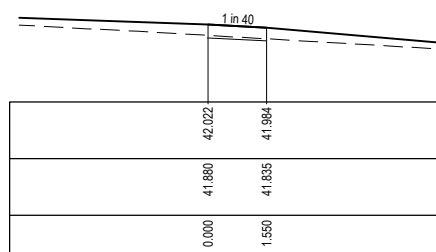
CH 62.716



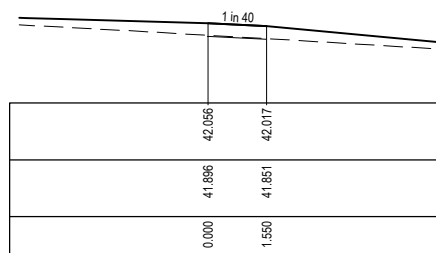
CH 60.000



CH 50.000



CH 40.000



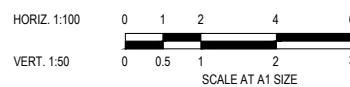
CH 33.335

RESERVE No.3 FOOTPATH

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REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
A	ISSUED FOR CONSTRUCTION	23.08.22	E.B.	M.F.					



Designed Date: J. TRINH 06.03.2022  
Drawn: N. TABUENA  
Approved Date: M. FELICIANO 08.03.2022  
PS Number: PS848738P

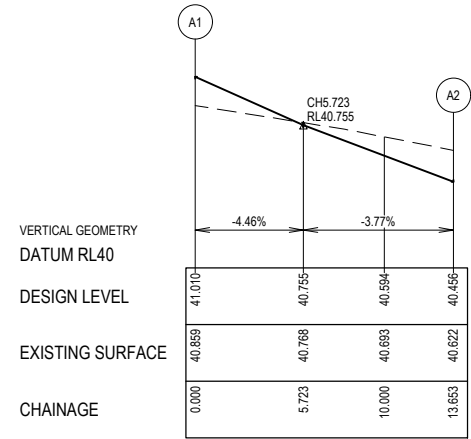
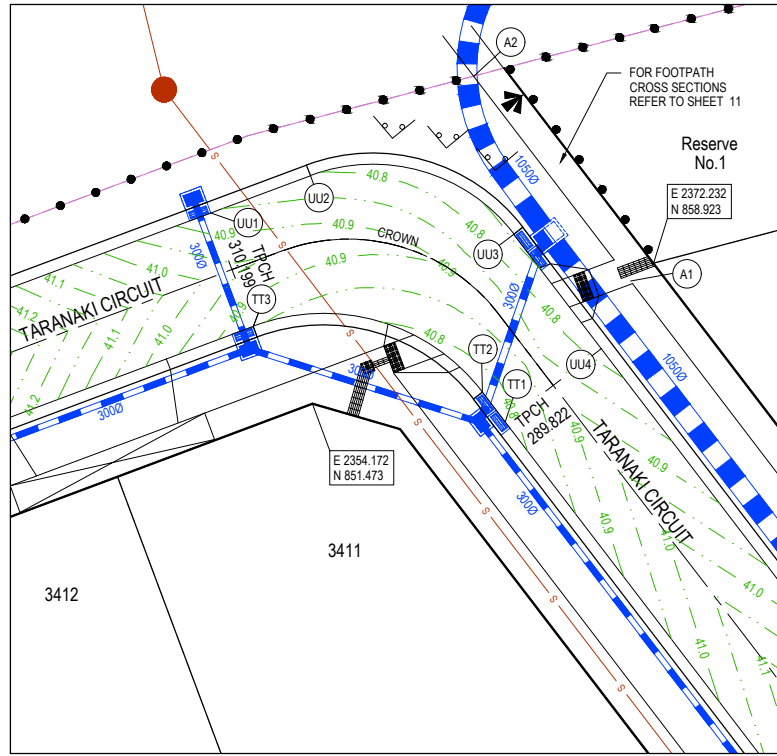


Project Details: MERIDIAN CENTRAL ESTATE STAGE 34 CITY OF CASEY  
Drawing Title: FOOTPATH CROSS SECTIONS

Sheet 11 of 17

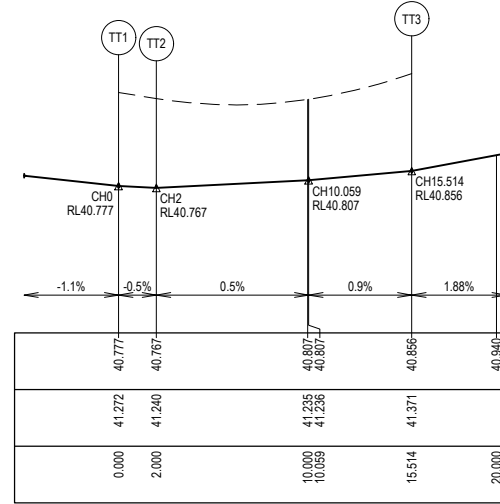
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Project Ref	Stage No	Drawing No	Rev
1801767	34	203	A



ALIGNMENT A

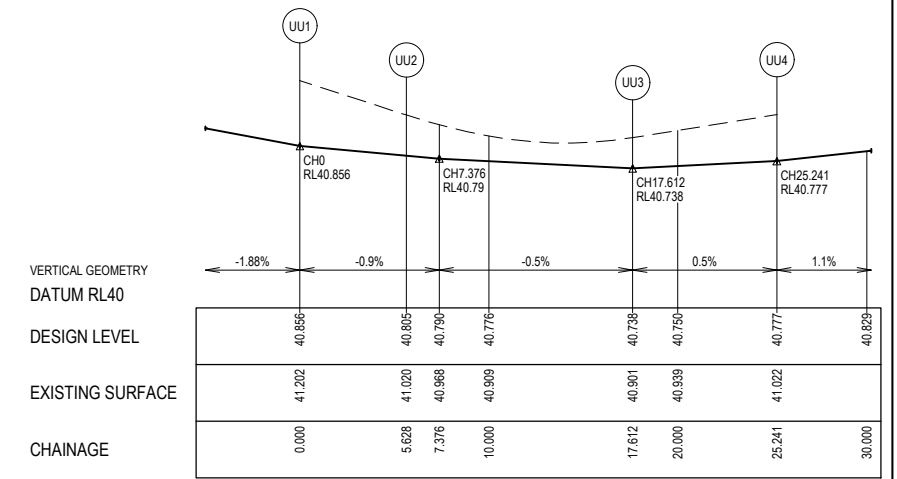
Point no	Easting	Northing	RL
A1	2371.002	857.981	41.010
A2	2362.703	868.822	40.455



ALIGNMENT TT

Point no	Easting	Northing	RL
TT1	2364.378	850.511	40.777
TT2	2363.162	852.099	40.767
TT3	2351.036	855.586	40.856

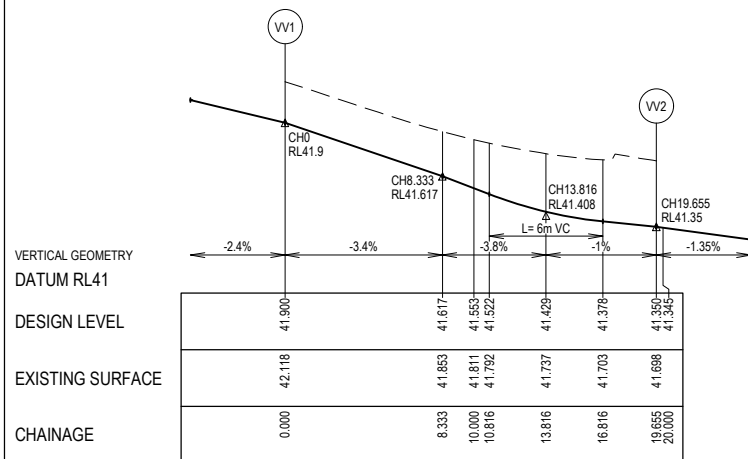
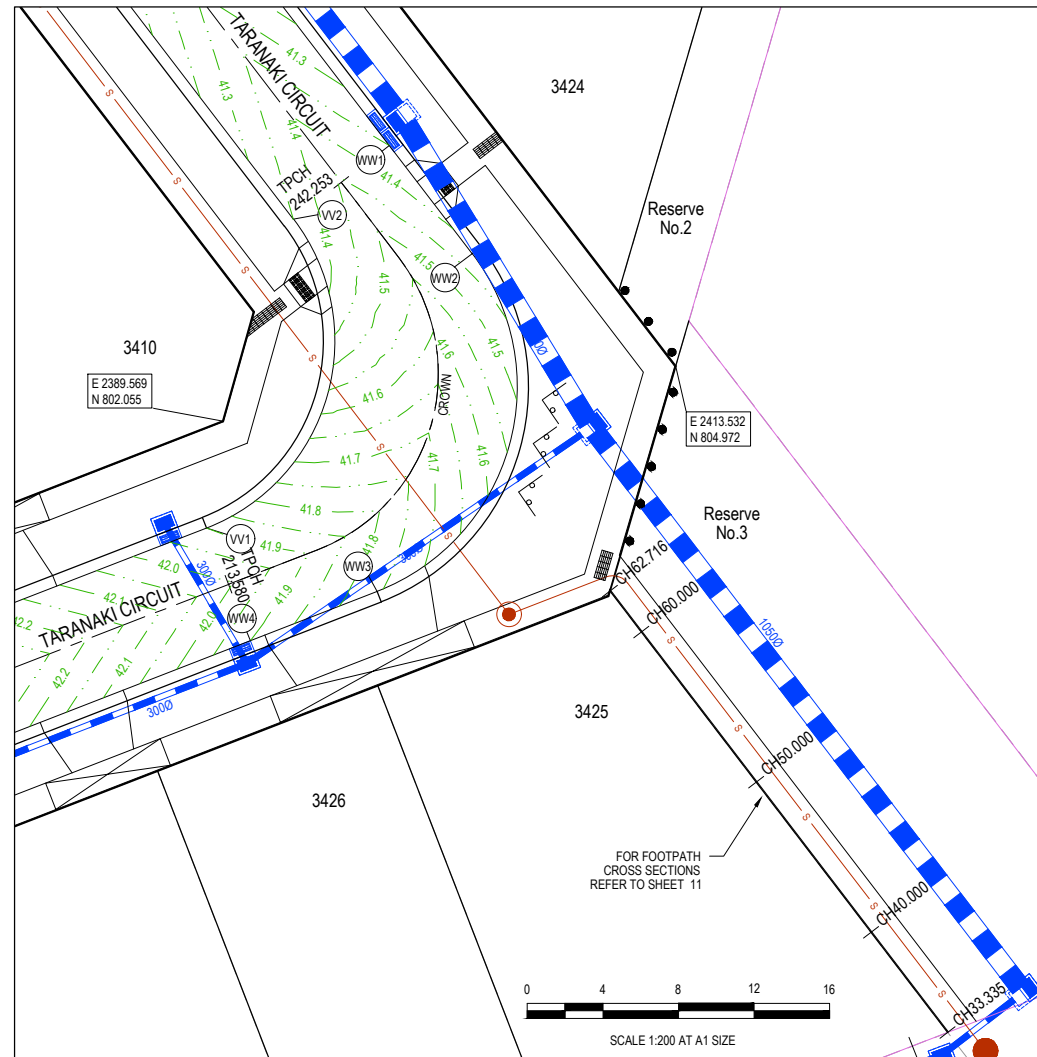
Curve no	I	Radius	Arc	A	B	X	Y	L	Mid point RL
TT2 - TT3	73.046	10.600	13.514	2.082	1.548	3.322	2.987	3.378	40.800



ALIGNMENT UU

Point no	Easting	Northing	RL
UU1	2348.797	861.581	40.856
UU2	2354.070	863.551	40.805
UU3	2364.823	860.459	40.738
UU4	2369.460	854.401	40.777

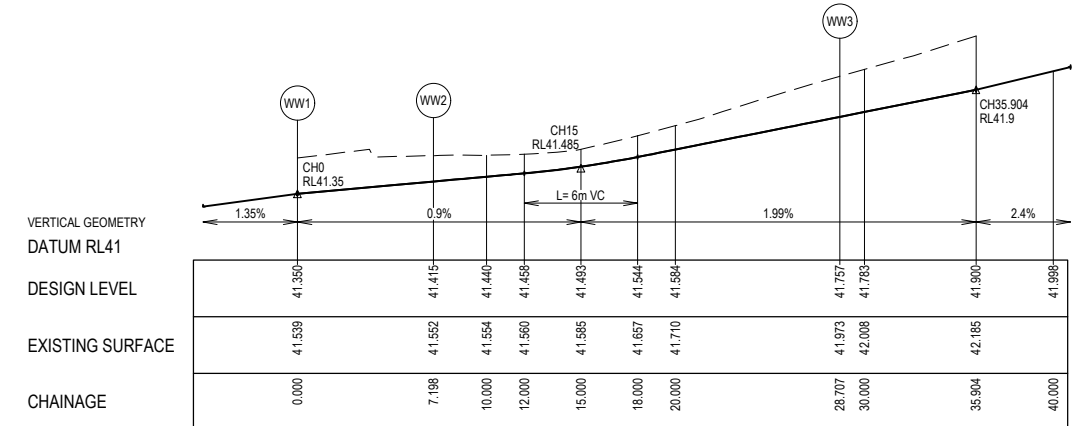
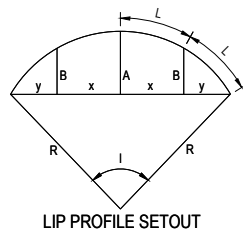
Curve no	I	Radius	Arc	A	B	X	Y	L	Mid point RL
UU2 - UU3	73.046	9.400	11.984	1.846	1.373	2.946	2.649	2.996	40.768



ALIGNMENT VV

Point no	Easting	Northing	RL
VV1	2388.708	796.412	41.900
VV2	2393.293	812.738	41.350

Curve no	I	Radius	Arc	A	B	X	Y	L	Mid point RL
VV1 - VV2	106.241	10.600	19.655	4.239	3.120	4.740	3.739	4.914	41.560



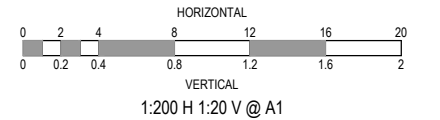
ALIGNMENT WW

Point no	Easting	Northing	RL
WW1	2398.375	816.629	41.350
WW2	2402.750	810.913	41.415
WW3	2397.732	793.047	41.757
WW4	2391.022	790.445	41.900

Curve no	I	Radius	Arc	A	B	X	Y	L	Mid point RL
WW2 - WW3	106.241	11.600	21.509	4.638	3.414	5.187	4.092	5.377	41.544

**LEGEND**

- STORMWATER DRAIN, PIT & PROPERTY INLET
- MELBOURNE WATER DRAIN & PIT
- SWALE DRAIN
- SEWER & MAINTENANCE STRUCTURES
- HOUSE DRAIN
- TACTILE PAVERS (INDICATIVE ONLY)
- EXISTING HOUSE DRAIN
- RETAINING WALL
- PAVEMENT TREATMENT
- CONCRETE EDGE STRIP WITH SUBSOIL DRAIN, "NO ROAD" SIGN & BARRIER
- LIMIT OF WORKS
- EXISTING TREE TO BE REMOVED
- PERMANENT SURVEY MARK
- TEMPORARY BENCH MARK
- PROPOSED DRIVEWAY



**ISSUED FOR CONSTRUCTION**

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
A	ISSUED FOR CONSTRUCTION	23.08.22	E.B.	M.F.					



Designed: J. TRINH  
Date: 08.03.2022  
Drawn: N. TABUENA  
Approved: M. FELICIANO  
Date: 08.03.2022  
PS Number: PS848738P

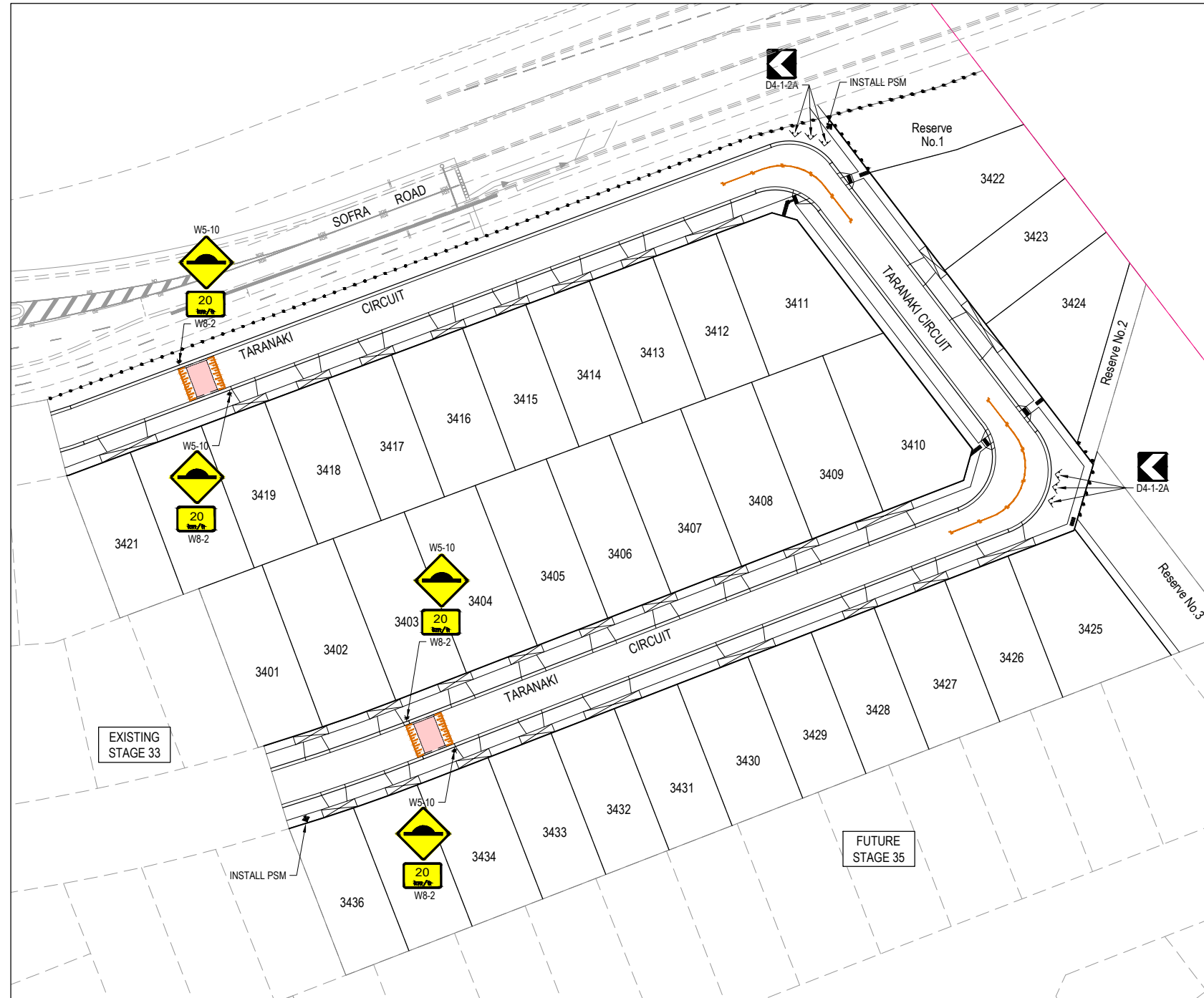


Project Details: MERIDIAN CENTRAL ESTATE  
STAGE 34  
CITY OF CASEY  
Drawing Title: INTERSECTION DETAILS

Sheet 12 of 17

Scale: AS SHOWN

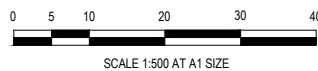
Project Ref: 1801767  
Stage No: 34  
Drawing No: 300  
Rev: A



- NOTES**
1. RRPMS AT MAX 6m SPACING.
  2. LINEMARKING TO BE EXTENDED AT LEAST 6m FROM THE TANGENT POINT
  3. LINEMARKING IN ACCORDANCE WITH AS1742.
  4. TGS1 TO BE INSTALLED IN ACCORDANCE WITH VICROADS RDN 06-06 - JULY 2010
  5. ALL STREET NAME SIGNS AT INTERSECTIONS TO INCLUDE RELEVANT STREET NUMBERING.
  6. 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**

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REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
A	ISSUED FOR CONSTRUCTION	23.08.22	E.B.	M.F.					



Designed Date: J. TRINH 08.03.2022  
 Drawn: N. TABUENA  
 Approved Date: M. FELICIANO 08.03.2022  
 PS Number: PS848738P

**BW** Beveridge Williams  
 1 Glenferrie Road  
 Malvern VIC 3144  
 ph: 03 9524 8888  
 www.beveridgewilliams.com.au

Project Details: MERIDIAN CENTRAL ESTATE  
 STAGE 34  
 CITY OF CASEY  
 Drawing Title: SIGNAGE & LINE MARKING PLANS

Sheet 13 of 17

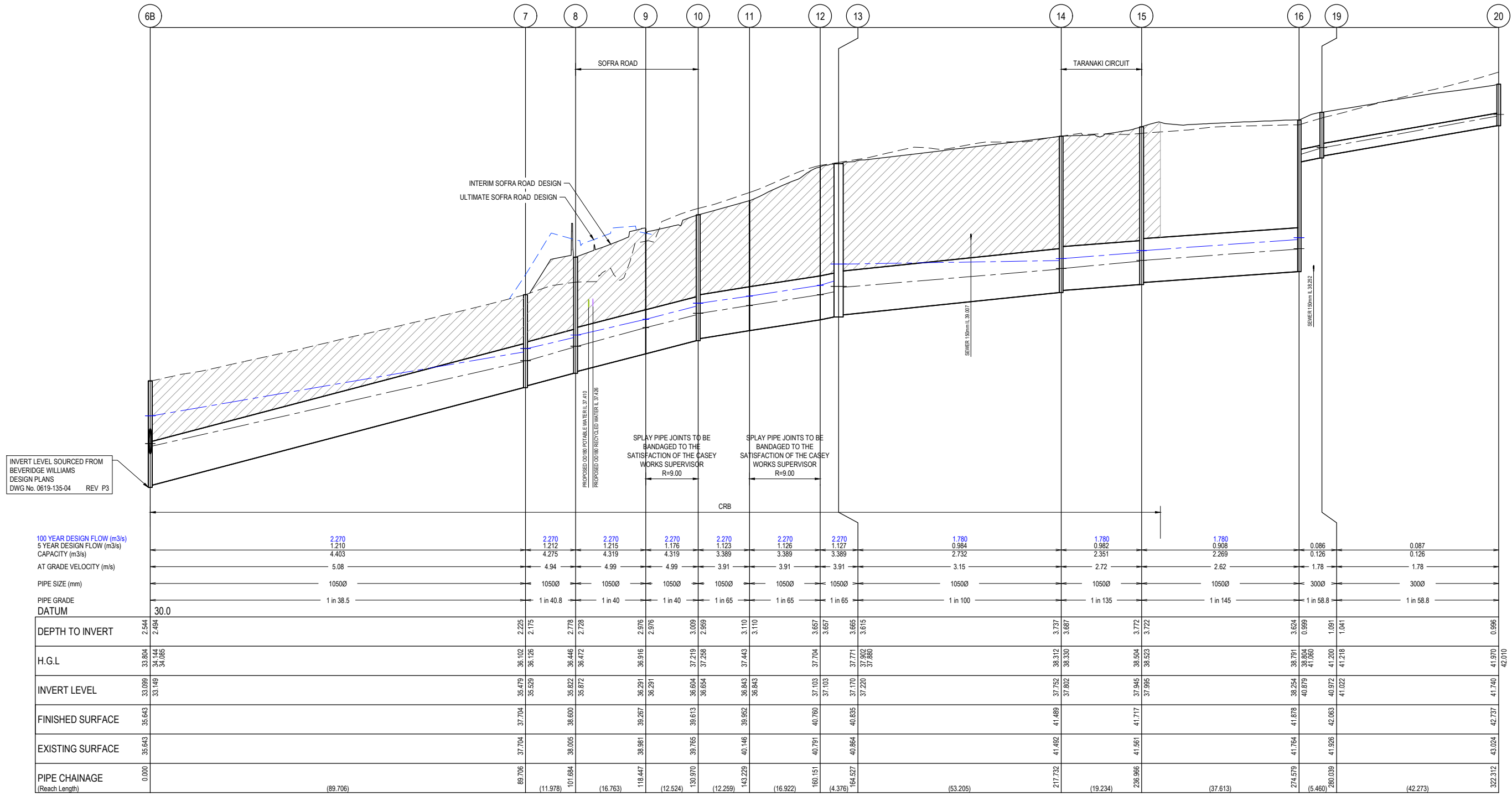
Scale: 1:500 @ A1



Project Ref	Stage No	Drawing No	Rev
1801767	34	350	A

**NOTES:**  
 ALL STORMWATER DRAINS UP TO AND INCLUDING 750mm DIA. ARE TO BE CLASS 2 R.R.J. PIPES UNLESS NOTED OTHERWISE.

LEGEND	
	EXISTING SURFACE
	DESIGN SURFACE
	DRAINAGE PIPE/PIT
	EXISTING DRAINAGE PIPE/PIT
	5 YEARS HYDRAULIC GRADE LINE
	100 YEARS HYDRAULIC GRADE LINE
	DENOTES 20mm CLASS 3 FCR BACKFILL

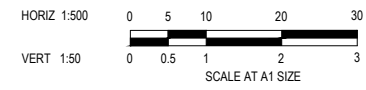


INVERT LEVEL SOURCED FROM BEVERIDGE WILLIAMS DESIGN PLANS DWG No. 0619-135-04 REV P3

SPLAY PIPE JOINTS TO BE BANDAGED TO THE SATISFACTION OF THE CASEY WORKS SUPERVISOR R=9.00

**ISSUED FOR CONSTRUCTION**

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
B	DRAINAGE BACKFILL HATCH UPDATED	24.08.22	E.B	M.F					
A	ISSUED FOR CONSTRUCTION	23.08.22	E.B	M.F					



Designed Date: J. TRINH 08.03.2022  
 Drawn: N. TABUENA  
 Approved Date: M. FELICIANO 08.03.2022  
 PS Number: PS848738P

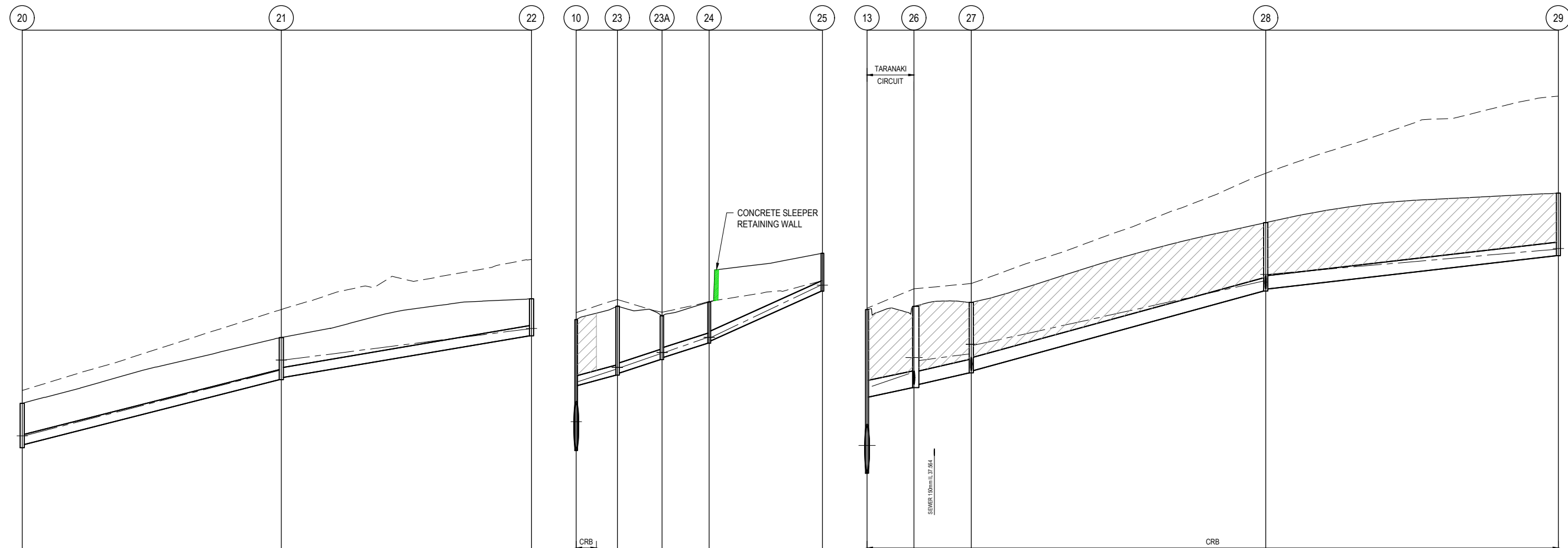


Project Details: MERIDIAN CENTRAL ESTATE STAGE 34 CITY OF CASEY  
 Drawing Title: DRAINAGE LONGITUDINAL SECTIONS (SHEET 1 OF 4)

Sheet 14 of 17  
 Scale: 1:500 H 1:50 V @ A1  
 Project Ref: 1801767 Stage No: 34 Drawing No: 400 Rev: B

K:\Jobs Data\1801767 - Meridian\_Eng\Stage 34\Drawings\1801767-34-400-DLS.dwg

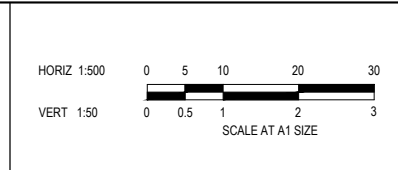
LEGEND	
	EXISTING SURFACE
	DESIGN SURFACE
	DRAINAGE PIPE/PIT
	EXISTING DRAINAGE PIPE/PIT
	HYDRAULIC GRADE LINE



	20	21	22	10	23	23A	24	25	13	26	27	28	29		
DESIGN FLOW (m3/s)	0.066			0.023				0.024				0.083			
CAPACITY (m3/s)	0.071			0.071				0.078				0.159			
AT GRADE VELOCITY (m/s)	1.79			1.79				1.96				2.25			
PIPE SIZE (mm)	2250			2250				2250				3000			
PIPE GRADE	1 in 40			1 in 33.3				1 in 33.3				1 in 37			
DATUM	37.0			32.0				33.0				33.0			
DEPTH TO INVERT	0.966	0.921	0.944	0.944	0.884	0.884	0.884	0.827	1.400	1.400	1.400	1.400	1.400		
H.G.L.	41.970	42.010	43.471	43.471	43.704	43.704	44.404	44.412	42.187	42.187	42.187	42.187	42.187		
INVERT LEVEL	41.740	41.915	43.265	43.265	43.704	43.704	44.249	44.249	42.043	42.043	42.043	42.043	42.043		
FINISHED SURFACE	42.737	42.737	44.209	44.209	44.209	45.075	45.075	45.075	43.443	43.443	43.443	43.443	43.443		
EXISTING SURFACE	43.024	43.024	44.837	44.837	44.837	45.957	45.957	45.957	45.615	45.615	45.615	45.615	45.615		
PIPE CHAINAGE (Reach Length)	347.392	(58.000)	405.392	(56.000)	461.392	(56.000)	517.392	(56.000)	573.392	(65.902)	639.392	(65.500)	705.392		

ISSUED FOR CONSTRUCTION

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
A	ISSUED FOR CONSTRUCTION	23.08.22	E.B.	M.F.					



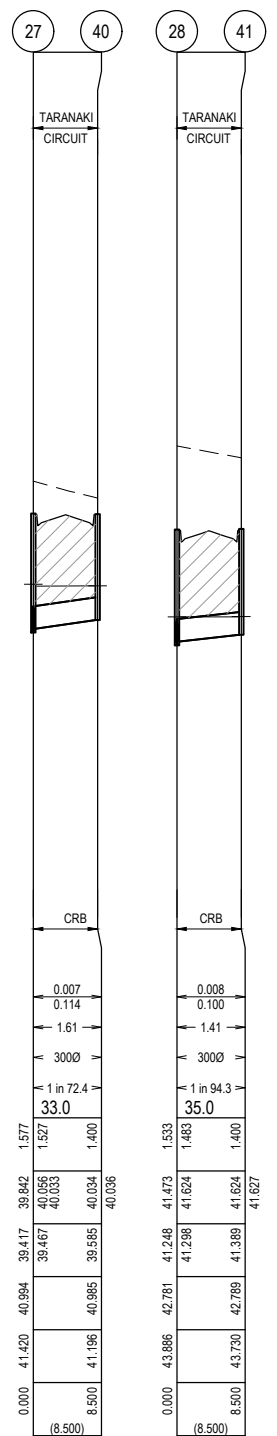
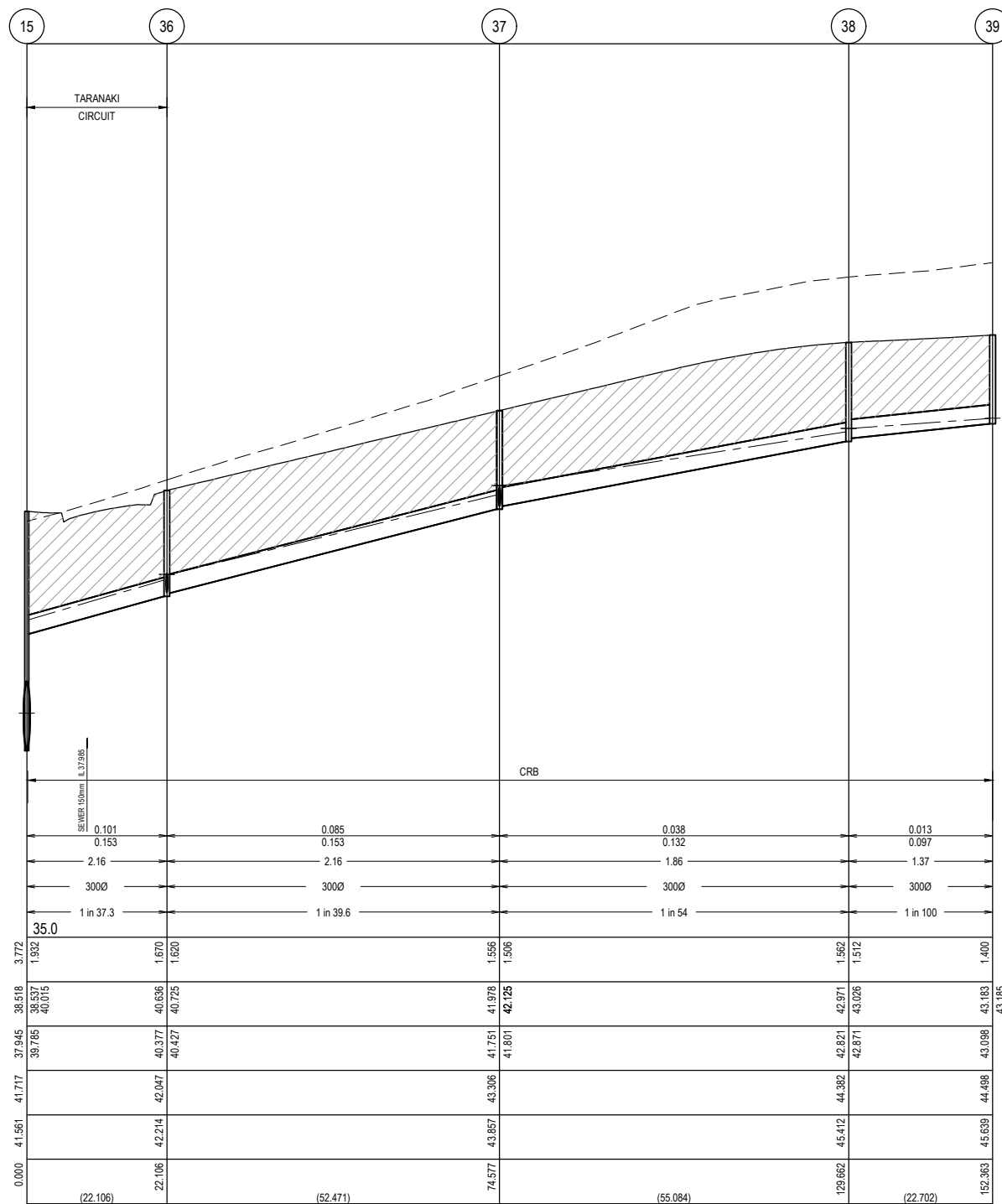
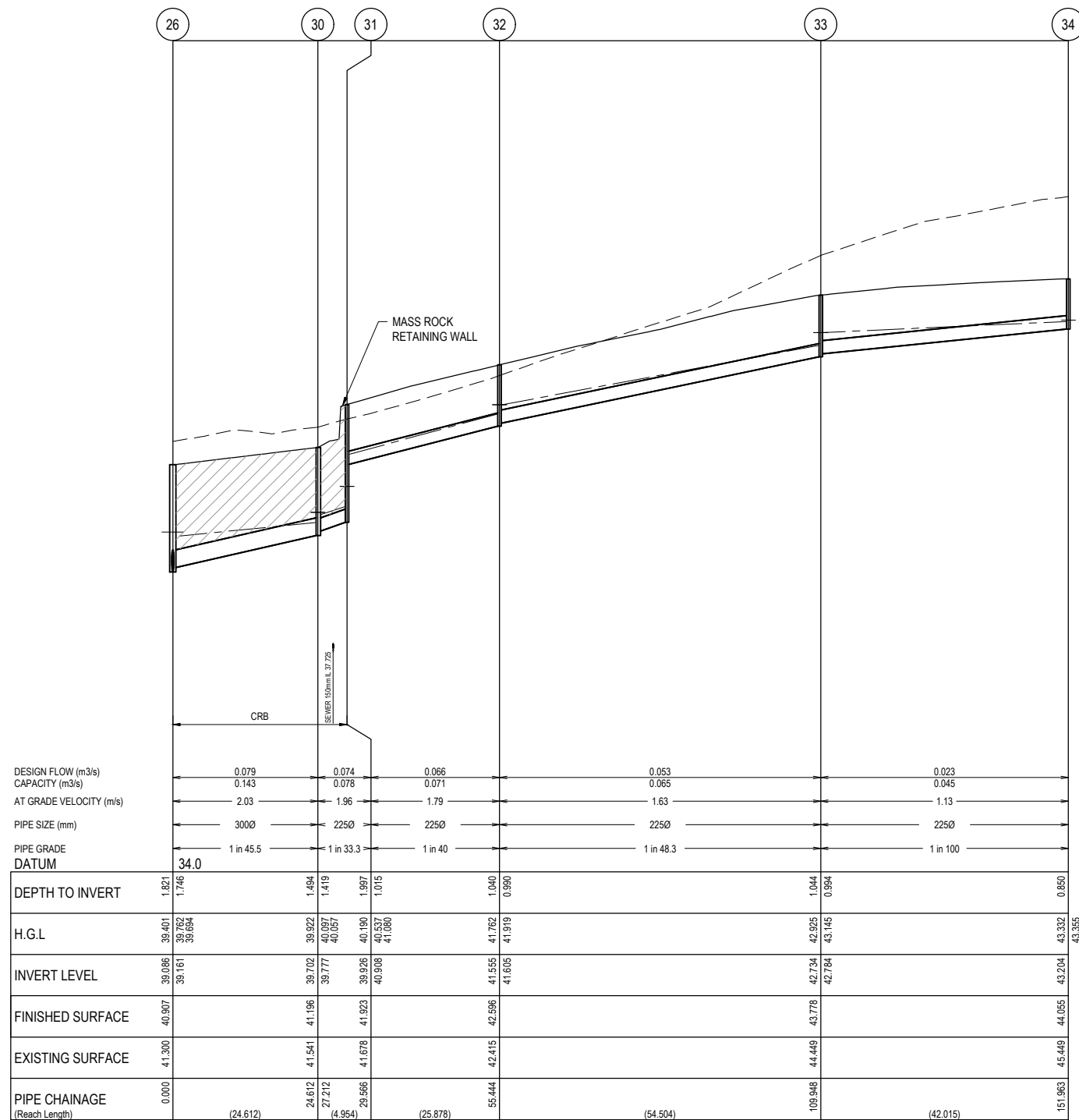
Designed Date: J. TRINH 06.03.2022  
 Drawn: N. TABUENA  
 Approved Date: M. FELICIANO 06.03.2022  
 PS Number: PS848738P



Project Details: MERIDIAN CENTRAL ESTATE STAGE 34 CITY OF CASEY  
 Drawing Title: DRAINAGE LONGITUDINAL SECTIONS (SHEET 2 OF 4)

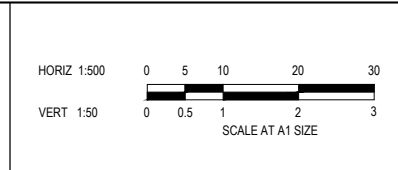
Sheet 15 of 17  
 Scale: 1:500 H 1:50 V @ A1  
 Project Ref: 1801767 Stage No: 34 Drawing No: 401 Rev: A

LEGEND	
	EXISTING SURFACE
	DESIGN SURFACE
	DRAINAGE PIPE/PIT
	EXISTING DRAINAGE PIPE/PIT
	HYDRAULIC GRADE LINE



ISSUED FOR CONSTRUCTION

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
A	ISSUED FOR CONSTRUCTION	23.08.22	E.B.	M.F.					



Designed Date: J. TRINH 06.03.2022  
 Drawn: N. TABUENA  
 Approved Date: M. FELICIANO 08.03.2022  
 PS Number: PS848738P



Project Details: MERIDIAN CENTRAL ESTATE STAGE 34 CITY OF CASEY  
 Drawing Title: DRAINAGE LONGITUDINAL SECTIONS (SHEET 3 OF 4)

Sheet 16 of 17  
 Scale: 1:500 H 1:50 V @ A1  
 Project Ref: 1801767 Stage No: 34 Drawing No: 402 Rev: A



LEGEND	
---	EXISTING SURFACE
---	DESIGN SURFACE
---	DRAINAGE PIPE/PIT
---	EXISTING DRAINAGE PIPE/PIT
---	HYDRAULIC GRADE LINE

36 42 37 43

TARANAKI  
CIRCUIT

TARANAKI  
CIRCUIT

DESIGN FLOW (m3/s) 0.007  
CAPACITY (m3/s) 0.161  
AT GRADE VELOCITY (m/s) 2.28  
PIPE SIZE (mm) 3000  
PIPE GRADE DATUM 1 in 36  
34.0

	36	42	37	43
DEPTH TO INVERT	1.688	1.688	1.556	1.400
H.G.L.	40.636	40.725	41.978	42.133
INVERT LEVEL	40.389	40.439	41.801	41.904
FINISHED SURFACE	42.047	42.078	43.306	43.304
EXISTING SURFACE	42.214	42.189	43.857	43.727
PIPE CHAINAGE (Reach Length)	0.000	8.614	0.000	8.500

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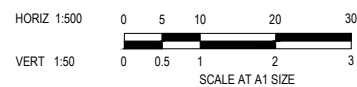
PIT SCHEDULE

PIT NAME	TYPE	INTERNAL WD	LEN	INLET DIA	INV LEV	OUTLET DIA	INV LEV	PIT SETOUT RL	DEPTH	STD DWG	REMARKS
6	EX. JUNCTION PIT	1350	900	1050	32.092			34.446	2.404		CONNECT INTO EXISTING PIT
6B	JUNCTION PIT	1350	900	1050	33.149	1050	33.099	35.643	2.544	EDCM 605	HAUNCH PIT TO 600 x 900 COVER. PROVIDE HEAVY DUTY COVER
7	JUNCTION PIT	1350	900	1050	35.529	1050	35.479	37.704	2.225	EDCM 605	HAUNCH PIT TO 600 x 900 COVER. PROVIDE HEAVY DUTY COVER
8	JUNCTION PIT	750	1350	1050	35.872	1050	35.822	38.600	2.778	VR SD 1441 & SD 1021	GRADED PIT FOR OPEN GRADED ASPHALT SURFACE. HAUNCH PIT TO 750 x 1000 COVER. PROVIDE 1m 375dia. STUBE ON WEST WALL. IL 36.919 AT 1 in 25.4
9	TP			1050	36.291	1050	36.291	39.267	2.976		
10	GRADED ENTRY PIT	1350	1000	1050	36.654	1050	36.604	39.613	3.009	VR SD 1301	HAUNCH PIT TO 750 x 1000 COVER
11	TP			225	38.135	1050	36.843	39.952	3.11		
12	TP			1050	37.103	1050	37.103	40.760	3.657		
13	DOUBLE GRADED ENTRY PIT	1350	900	1050	37.220	1050	37.170	40.835	3.665	EDCM 602	HAUNCH PIT TO 600 x 900 COVER
14	GRADED ENTRY PIT	1350	900	375	38.876	1050	37.752	41.489	3.737	EDCM 601	HAUNCH PIT TO 600 x 900 COVER
15	JUNCTION PIT	1350	900	1050	37.995	1050	37.945	41.717	3.772	EDCM 608	HAUNCH PIT TO 600 x 900 COVER
16	JUNCTION PIT	1350	900	300	39.785	1050	38.254	41.878	3.624	EDCM 608	HAUNCH PIT TO 600 x 900 COVER. PROVIDE BLOCKOUT IN SOUTH WALL FOR FUTURE 1050Ø DRAIN. IL38.304. PROVIDE V-NOTCH ON SOUTH WALL TO COLLECT SWALE DRAIN FLOWS
19	JUNCTION PIT	600	900	300	41.022	300	40.972	42.063	1.091	EDCM 605	
20	JUNCTION PIT	600	900	225	41.815	300	41.740	42.737	0.996	EDCM 605	
21	JUNCTION PIT	600	900	225	43.315	225	43.265	44.209	0.944	EDCM 605	
22	JUNCTION PIT	600	900	225	44.249	225	44.249	45.075	0.827	EDCM 605	
23	JUNCTION PIT	600	900	225	38.415	225	38.365	39.910	1.545	EDCM 605	
23A	JUNCTION PIT	600	900	225	38.766	225	38.716	39.697	0.982	EDCM 605	
24	JUNCTION PIT	600	900	225	39.132	225	39.082	40.003	0.921	EDCM 605	
25	JUNCTION PIT	600	900	225	40.248	225	40.248	41.098	0.850	EDCM 605	
26	DOUBLE GRADED ENTRY PIT	600	900	300	39.161	375	39.086	40.907	1.821	EDCM 602	
27	GRADED ENTRY PIT	600	900	300	39.161	300	39.161	40.994	1.577	EDCM 601	
28	GRADED ENTRY PIT	600	900	300	39.467	300	39.467	41.248	1.533	EDCM 601	
29	JUNCTION PIT	600	900	300	41.298	300	41.298	42.781	1.533	EDCM 601	
30	GRADED ENTRY PIT	600	900	300	41.298	300	41.298	42.781	1.533	EDCM 601	
31	JUNCTION PIT	600	900	225	39.777	300	39.702	41.196	1.494	EDCM 601	
32	JUNCTION PIT	600	900	225	40.908	225	39.926	41.923	1.997	EDCM 605	
33	JUNCTION PIT	600	900	225	41.605	225	41.555	42.596	1.040	EDCM 605	
34	JUNCTION PIT	600	900	225	42.784	225	42.734	43.778	1.044	EDCM 605	
36	GRADED ENTRY PIT	600	900	300	40.427	300	40.377	42.047	1.670	EDCM 601	
37	GRADED ENTRY PIT	600	900	300	40.439	300	40.439	42.047	1.670	EDCM 601	
38	JUNCTION PIT	600	900	300	41.801	300	41.801	43.306	1.556	EDCM 601	
39	JUNCTION PIT	600	900	300	41.801	300	41.801	43.306	1.556	EDCM 601	
40	GRADED ENTRY PIT	600	900	300	42.871	300	42.821	44.382	1.562	EDCM 605	
41	GRADED ENTRY PIT	600	900	300	43.098	300	43.098	44.498	1.400	EDCM 605	
42	GRADED ENTRY PIT	600	900	300	39.585	300	39.585	40.985	1.400	EDCM 601	
43	GRADED ENTRY PIT	600	900	300	41.389	300	41.389	42.789	1.400	EDCM 601	

ISSUED FOR  
CONSTRUCTION

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A	ISSUED FOR CONSTRUCTION	23.08.22	E.B.	M.F.					



Designed Date J. TRINH 08.03.2022  
Drawn N. TABUENA  
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PS Number PS848738P



Project Details MERIDIAN CENTRAL ESTATE STAGE 34 CITY OF CASEY  
Drawing Title DRAINAGE LONGITUDINAL SECTIONS (SHEET 4 OF 4) AND PIT SCHEDULE

Sheet 17 of 17  
Scale 1:500 H 1:50 V @ A1  
Project Ref 1801767 Stage No 34 Drawing No 403 Rev A