GENERAL NOTES

1. ALL WORKS ARE TO BE CARRIED OUT IN ACCORDANCE WITH THE SOUTH GIPPSLAND SHIRE COUNCIL STANDARD DRAWINGS, SPECIFICATIONS INFRASTRUCTURE DESIGN MANUAL (IDM) AND TO THE SATISFACTION OF COUNCIL'S SUPERVISING OFFICER OR HIS/HER APPOINTED REPRESENTATIVE. COUNCIL'S SUBDIVISIONS ENGINEER, HEINZ ZAJAC TO BE CONTACTED ON 0458 837 402 OR COUNCIL'S PROJECT COORDINATOR, JARETH GOSS ON 0436 352 845 SHOULD HEINZ BE UNAVAILABLE TO ARRANGE A PRE-CONSTRUCTION MEETING AND WHEN ARRANGING SUBSEQUENT INSPECTIONS.
2. COUNCIL TO BE NOTIFIED SEVEN (7) CLEAR DAYS PRIOR TO COMMENCEMENT OF WORKS.
3. ALL LEVELS SHOWN ARE TO A.H.D. AND SET OUT COORDINATES TO M.G.A.
4. 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, PREVENTION OF FALLS AND PLANT.
5. ON COMMENCEMENT OF CONSTRUCTION WORKS ON SITE, THE CONTRACTOR MUST COMPLY WITH THE RECOMMENDATIONS OF THE ENVIRONMENT PROTECTION AUTHORITY PUBLICATION "CONSTRUCTION TECHNIQUES FOR SEDIMENT POLLUTION CONTROL" (PUBLICATION NO 275).
6. APPROPRIATE SILTATION CONTROL IS TO BE CARRIED OUT DURING THE CONSTRUCTION AND MAINTENANCE PERIOD IN ACCORDANCE WITH COUNCIL APPROVED SITE MANAGEMENT PLAN AS PER CONDITION 13.C) ON PLANNING PERMIT 2021/366.
7. NO EXCAVATION SHALL BE CARRIED OUT WITHIN THE CANOPY DRIP LINE OR 5.0m, WHICHEVER IS GREATER OF ANY EXISTING TREE UNTIL APPROVAL HAS BEEN GIVEN BY COUNCIL'S SUPERVISING OFFICER OR HIS/HER APPOINTED REPRESENTATIVE.
8. A TEMPORARY 1.5m HIGH POST & WIRE FENCE SHALL BE ERECTED AND MAINTAINED AROUND EXISTING TREES, NOMINATED TO BE RETAINED AS PER A TREE PROTECTION ZONE (TPZ) CONDITION, AT ALL TIMES DURING CONSTRUCTION. UNDER NO CIRCUMSTANCES SHALL SITE SHEDS, VEHICLES, MACHINERY AND EQUIPMENT BE STORED OR PLACED WITHIN FENCED ZONE OF THESE TREES.
9. THE CONTRACTOR IS TO OBTAIN THE NECESSARY ASSET PROTECTION PERMIT PRIOR TO UNDERTAKING ANY WORKS WITHIN BENA ROAD.
10. THE CONTRACTOR SHALL TO THE SATISFACTION OF THE CONSULTING ENGINEER AND COUNCIL'S REPRESENTATIVE PROVIDE AND MAINTAIN ALL NECESSARY WARNING SIGNAGE, LIGHTING AND BARRICADING TO COMPLY WITH THE REQUIREMENTS OF THE ROAD MANAGEMENT ACT.
11. THE LOCATION OF EXISTING SERVICES SHOULD BE DETERMINED BY THE CONTRACTOR PRIOR TO COMMENCING ANY EXCAVATION BY CARRYING OUT A DIAL BEFORE YOU DIG AND CONTACTING ALL RELEVANT SERVICE AUTHORITIES AND/OR THEIR AGENTS. ANY EXISTING SERVICES SHOWN ON THE DRAWINGS ARE OFFERED AS A GUIDE ONLY AND ARE NOT GUARANTEED AS CORRECT.
12. PROPOSED SERVICE LOCATIONS SHOWN ON THE PLAN ARE INDICATIVE ONLY AND SUBJECT TO AMENDMENT.
13. SERVICE TRENCHES WITHIN THE ROAD RESERVE MUST BE BACKFILLED AS SPECIFIED BELOW, TO A DRY DENSITY NOT LESS THAN 97% OF THE MAXIMUM FOUND IN THE STANDARD COMPACTION TEST FOR THE FOLLOWING:

a. SERVICE TRENCHES BENEATH THE ROAD PAVEMENT, FOOTPATH OR DRIVEWAY CROSSOVER, TO THE UNDERSIDE OF THE PAVEMENT OR CROSSOVER BEDDING WITH 20mm CLASS 3 FCR WITH 3% CEMENT ADDITIVE.

b. DRAINAGE PIPES ADJACENT TO KERBING OR CONCRETE STRUCTURES WITH 20mm CLASS 4 FCR TO A LEVEL THAT IS NOT AFFECTED BY A 45-DEGREE ANGLE OF REPOSE FROM THE NEAR LOWER EDGE OF SUCH STRUCTURE, OTHERWISE TO FULL DEPTH.

c. DRAINAGE PIPES UNDER ROAD PAVEMENT, KERBING, CROSSINGS OR CONCRETE STRUCTURES ARE TO BE BACKFILLED WITH CLASS 2 FCR.

14. ALL EXCAVATIONS OF A DEPTH 1.5m OR GREATER MUST COMPLY WITH WORKSAFE VICTORIA. A "NOTICE OF INTENTION TO EXCAVATE..." FORM MUST BE SUBMITTED TO WORKSAFE 3 DAYS PRIOR TO THE WORK EXCAVATIONS AND ALSO ADVISE COUNCIL'S SUPERVISING OFFICER AT LEAST 24 HOURS PRIOR TO UNDERTAKING ANY EXCAVATION GREATER THAN 1.5m.

a. CALL 1800 136 089 TOLL FREE OR 03) 9641 1444 TO OBTAIN FORM.

b. FAX FORM/S TO: 03) 9565 9400 OR 9941 0555.

c. ONLINE SUBMISSION VIA https://www.worksafe.vic.gov.au/construction-excavation-notification

15. ALL CONCRETE TO BE USED IN THE CONTRACT WORKS SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 25 MPa AT 28 DAYS UNLESS OTHERWISE SPECIFIED.
16. FOOTPATHS TO BE 125mm THICK WITH SL72 MESH PLACED CENTRALLY ON 100mm CLASS 3 FCR BEDDING AS PER IDM STANDARD DRAWING SD 205 & TYPICAL SECTIONS ON SHEET 7.
17. VEHICLE CROSSINGS TO BE CONSTRUCTED IN ACCORDANCE WITH IDM STANDARD DRAWINGS FOR RESIDENTIAL, RESIDENTIAL SHARED/ DOUBLE AND INDUSTRIAL VEHICLE CROSSINGS SD240, 245 & 250.
18. PEDESTRIAN CROSSINGS TO BE BUILT IN ACCORDANCE WITH IDM STANDARD DRAWING SD 200.
19. ALL DRAINAGE PIPES ARE TO BE REINFORCED CONCRETE, CLASS 2, RUBBER RING JOINTED AS A MINIMUM UNLESS OTHERWISE APPROVED. ALL P.V.C. PIPES TO BE CLASS SH UNLESS OTHERWISE APPROVED.
20. 100mm DIA. AGRICULTURAL PIPE DRAINS TO BE PLACED BEHIND ALL KERB AND CHANNEL AS PER IDM STANDARD DRAWING SD 145 AND WHERE DIRECTED BY THE CONSULTING ENGINEER.
21. MINIMUM COVER TO OBVERT OF DRAINAGE PIPES SHALL BE 300mm IN EASEMENTS AND 500mm IN ROAD RESERVES, EXCEPT WHERE PIPE CLASS '4' WILL BE INSTALLED OR AS OTHERWISE SPECIFIED.
22. ~~PITS DEEPER THAN 1.0m ARE TO BE INSTALLED WITH STEP IRONS IN ACCORDANCE WITH PER MELBOURNE WATER STANDARD DRAWING 7251/08/416.~~
23. ALL STORMWATER PITS TO BE IN ACCORDANCE WITH IDM STANDARD DRAWINGS AS DETAILED IN PIT SCHEDULE.
24. PROPERTY CONNECTIONS TO MAIN PIPES SHALL BE VIA APPROVED SPECIFICALLY DESIGNED FITTINGS. MORTAR BANDAGES ARE NOT TO BE USED.
25. FILL AREAS ARE TO BE STRIPPED OF TOPSOIL, FILLED USING APPROVED CLAY FILL AND THEN TOPSOIL REPLACED TO OBTAIN FINAL FILL LEVELS AS SHOWN ON PLANS. ALL FILLING TO BE CARRIED OUT IN 150mm LAYERS AND COMPACTED TO 95% OF MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS 3798-2007: GUIDELINES ON EARTHWORKS FOR COMMERCIAL AND RESIDENTIAL DEVELOPMENTS.
26. ALL CUT AND FILL BATTERS TO BE IN ACCORDANCE WITH GEOTECHNICAL SITE INVESTIGATION REPORT BY INTRAX CONSULTING ENGINEERS PTY LTD DATED 15 NOVEMBER 2016.
27. 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.
28. BATTERS SHALL BE MAX OF 1 IN 6 UNLESS OTHERWISE APPROVED AND COVERED AND SMOOTHED WITH MINIMUM OF 100mm TOPSOIL.
29. ALL KERB RETURN RADII ARE TO LIP OF KERB UNLESS OTHERWISE SPECIFIED.
30. ALL KERB AND CHANNEL THROUGHOUT THE ESTATE TO BE SM2-M (MODIFIED) AS PER IDM STANDARD DRAWING SD 100.
31. KERB TYPES SHALL BE AS SPECIFIED IN ACCORDANCE WITH THE IDM STANDARD DRAWINGS SD100, SD105 & SD110. TRANSITION LENGTHS BETWEEN DIFFERENT KERB TYPES TO BE OVER 3.0m ONLY IF IT CANNOT BE ACHIEVED AT A PRAM CROSSING OR DRIVEWAY CROSSOVER.

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CONTRACTOR MUST DIAL 1100 TO CONFIRM LOCATION OF EXISTING SERVICES AND COMPLY WITH ANY AUTHORITY REQUIREMENTS REGARDING EXISTING SERVICES PRIOR TO COMMENCEMENT OF ANY WORKS.

32. THE CONTRACTOR TO ERECT STREET NAME SIGNS AND GALVANISED IRON POSTS AS DIRECTED BY THE COUNCIL'S SUBDIVISION OFFICER OR COUNCIL'S PROJECT COORDINATOR AND PROVIDE THE PROVISION OF A SLEEVE WHERE REQUIRED.
33. ANY STREET LIGHTING IS TO BE PROVIDED IN ACCORDANCE WITH COUNCIL'S "POLICY ENGINEERING REQUIREMENTS FOR INFRASTRUCTURE CONSTRUCTION" UNLESS OTHERWISE APPROVED.
34. ROAD PAVEMENTS ARE TO HAVE A MINIMUM DEPTH OF 400mm INCLUDING SURFACING.
35. OPEN SPACE RESERVES;

a. RESERVES TO BE EVENLY GRADED, SEEDED AND FREE DRAINING TO THE SATISFACTION OF RESPONSIBLE AUTHORITY.

b. DESIGN INFORMATION TO INCLUDE RETICULATED WATER SUPPLY IN U/G PIT CONFIGURATION, BOLLARDS, SEATING, PLAYGROUND EQUIPMENT AND BBQ'S ETC. WHERE REQUIRED BY THE PERMIT.

36. ALL NATURE STRIPS, EXCAVATED OR FILLED AREAS WITHIN THE ROAD RESERVE SHALL BE RESURFACED WITH A 100mm LAYER OF TOPSOIL AS SPECIFIED, FREE FROM CLAY AND STONE, EVENLY GRADED AND SEEDED TO THE SATISFACTION OF RESPONSIBLE AUTHORITY.
37. ON COMPLETION THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OF ALL BUILDING WASTE, RUBBISH AND SPOIL FROM THE SITE. NO SURPLUS TREES, VEGETATION OR OTHER MATERIALS IS TO BE BURNT ON SITE.
38. AS-CONSTRUCTED DATA INCLUDING ALTERATIONS DURING CONSTRUCTION ARE TO BE PROVIDED PRIOR TO ISSUE OF STATEMENT OF COMPLIANCE:

a. DRAWINGS ARE TO BE IN A1 AND A3 HARDCOPY AND IN AUTOCAD (2010) AND ACROBAT PDF FORMATS.

b. ASSET INFORMATION IN DIGITAL FORMAT TO INCLUDE ASSET DATA AS PER A-SPEC STANDARDS (DEVELOPER/CONSULTANT SPECIFICATIONS FOR THE DELIVERY OF ASSET DATA TO LOCAL GOVERNMENT), INCORPORATING R-SPEC (ROADS), D-SPEC (DRAINAGE) AND O-SPEC (OPEN SPACE).

40. THE FOLLOWING HOLD POINT INSPECTIONS SHALL APPLY UNTIL WORKS ARE APPROVED BY COUNCIL'S SUBDIVISION OFFICER. ALL HOLD POINTS TO ENSURE COUNCIL'S SUBDIVISION ENGINEER OR COUNCIL'S PROJECT COORDINATOR IS IN ATTENDANCE. CONSULTING ENGINEER TO BE PRESENT AT THESE HOLD POINTS;

40.a. PRE-COMMENCEMENT SITE MEETING.
40.b. ROAD SUBGRADE PRIOR TO PLACEMENT OF SUB-BASE (INCLUDING PROOF-ROLL).
40.c. SUB-BASE PRIOR TO PLACEMENT OF BASE COURSE (INCLUDING PROOF-ROLL).
40.d. BASE COURSE PRIOR TO SEALING (INCLUDING PROOF-ROLL).
40.e. INSPECTION AT PRACTICAL COMPLETION OF THE WORKS (COMMENCEMENT OF DEFECTS LIABILITY PERIOD).
40.f. FINAL INSPECTION AT THE END OF 12 MONTHS DEFECTS LIABILITY PERIOD.

INCLUDING THE FOLLOWING FURTHER HOLD POINTS;

40.g. STORMWATER DRAINAGE, INCLUDING SUBSOIL AG DRAINS, AND HOUSE CONNECTIONS, PRIOR TO BACKFILLING (HOLD POINT).
40.h. FOOTPATH, DRIVEWAY AND KERB AND CHANNEL PRIOR TO PLACEMENT OF CONCRETE (HOLD POINT).
40.i. INSPECTION OF ALL TRAFFIC CONTROL AND SIGNAGE IN ACCORDANCE WITH APPROVED PLANS.
40.j. INSPECTION OF WORKS IN ACCORDANCE WITH APPROVED LANDSCAPE PLANS.
40.k. ANY OTHER INSPECTIONS AS DETERMINED BY THE COUNCIL.

REINFORCED CONCRETE PIPES

41. ALL STORMWATER PIPES SHALL NOT BE SUBJECTED TO CONSTRUCTION TRAFFIC LOADING DURING CONSTRUCTION UNLESS THE PIPE STRENGTH CHARACTERISTICS HAVE BEEN COMPUTED AND APPROVED BY THE CONTRACTORS ENGINEER.
42. COMPUTATIONS ARE TO BE IN ACCORDANCE WITH AS3725-1989, LOADS ON BURIED PIPES. CONCRETE PIPES DAMAGED DUE TO CONSTRUCTION LOADS SHALL BE REPAIRED AT THE CONTRACTORS COST.

ROCKWORK

OBJECTIVES AND PRINCIPLES

43. THE PURPOSE OF ROCKWORK IS TO PROVIDE PROTECTION AND STABILISATION OF THE BED AND BANKS OF WATERWAYS FROM EROSION AND TO MINIMISE VELOCITY OF STORMWATER FLOWS. THERE ARE A NUMBER OF TYPES OF ROCKWORK; TOE AND EDGE ROCKS, LINING ROCKS, FILTER/EMBEDMENT LAYERS AND OUTFALL PIPE ROCKWORK.

44. ROCKWORK SHOULD :

44.1. BE MADE UP OF ANGULAR ROCK (EITHER QUARRIED OR BROKEN UP FIELD ROCK).
44.2. BE MADE UP OF WELL SIZED, GRADED, EMBEDDED AND INTERLOCKED ROCK.
44.3. HAVE ALL VOIDS SEALED TO PROVIDE STABILITY AND RESISTANCE TO FLOW VELOCITIES AND INFILTRATION/UNDERMINING.
44.4. FORM AN INTERLOCKING MASS OF ROCK IN WHICH THE LARGER ROCKS IN THE MIX AREN'T FREE TO MOVE.

45. TOE AND EDGE ROCKS

45.1. TOE AND EDGE ROCKS ARE ALSO REFERRED TO AS LEADING EDGE ROCKS OR PERIMETER ROCKS. THEY'RE SITUATED AT THE BASE OF A ROCK STRUCTURE AND ARE LOCATED AROUND THE REMAINING PERIMETER. THE FUNCTION OF TOE AND EDGE ROCKS IS TO HOLD THE STRUCTURE TOGETHER AND PREVENT FLOWS FROM UNDERMINING THE STRUCTURE.
45.2. TOE AND EDGE ROCKS SHOULD BE TRENCHED INTO IN-SITU GROUND. GROUND SHOULD BE BOXED-OUT TO ENABLE THEM TO BE PLACED BEFORE FILTER LAYER AND LINING ROCKS.
45.3. TOE AND EDGE ROCKS SHOULD FINISH FLUSH WITH SURROUNDING GROUND.

46. LINING ROCKS

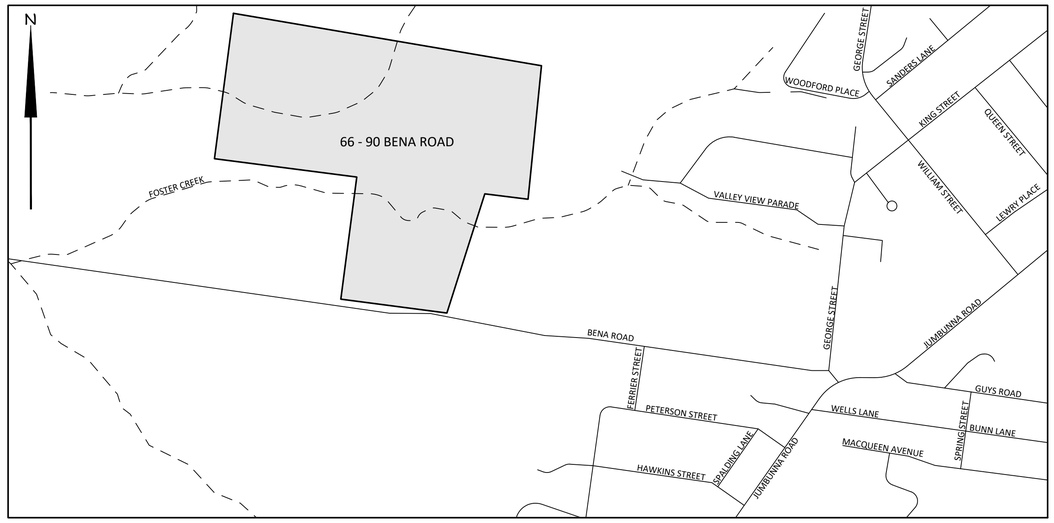
46.1. LINING ROCK IS THE MASS ROCK MEDIUM CONTAINED BY THE LEADING EDGE ROCK TO ARMOUR/PROTECT THE EARTH SURFACE.
46.2. A FILTER/EMBEDMENT LAYER SHOULD BE USED UNDERNEATH.
46.3. LINING ROCKS SHOULD BE WELL GRADED TO FORM A TIGHTLY SEALED ROCK LAYER WHICH IS FREE OF VOIDS AND PROVIDES RESISTANCE TO FLOW VELOCITIES AND INFILTRATION/UNDERMINING.
46.4. IN SEALING ROCK VOIDS CONSIDERATION SHOULD BE GIVEN TO USING A SMALLER GRADED ROCK MIX (ALSO REFERRED TO AS AN INFILL MIX). DEPENDING ON AVAILABILITY AND CONSTRUCTION METHOD ADOPTED, SEALING OF THE ROCKWORK MAY OCCUR AS A PRE-MIX (I.E. INFILL MIX IS COMBINED WITH LARGER LINING ROCKS BEFORE PLACEMENT), OR BY WORKING THE INFILL MIX BETWEEN THE LARGER ROCKS AS THEY ARE LAID.
46.5. THE SIZE AND THICKNESS OF LINING ROCKS WILL DEPEND ON SITE AND HYDRAULIC CONDITIONS. NOTE, THE LARGER LINING ROCKS IN THE MIX ARE GENERALLY SMALLER THAN EDGE ROCKS.
46.6. THE CONTRACTOR SHOULD USE METHODS FOR HANDLING AND PLACEMENT OF LINING ROCK TO AVOID SEGREGATION OF THE ROCK SIZES. ROCKS SHALL BE CAREFULLY PLACED IN POSITION, NOT DUMPED DIRECTLY.

47. FILTER/EMBEDMENT LAYER

47.1. FILTER/EMBEDMENT LAYERS PROVIDE PROTECTION TO THE UNDERLYING SOIL BASE FROM INFILTRATION OF FLOWS AND PROVIDE A SUITABLE MEDIUM FOR THE EMBEDMENT OF THE OVERLAYING ROCK. GRANULAR FILTER/EMBEDMENT LAYERS ARE USUALLY SUFFICIENT, HOWEVER SOME SANDY, DISPERSIVE SOILS MAY WARRANT THE USE OF A GEOTEXTILE FILTER LAYER IN ADDITION TO THE GRANULAR FILTER LAYER.
47.2. WHERE A GEOTEXTILE FILTER LAYER IS USED, SPECIAL CARE NEEDS TO BE EXERCISED IN THE LAYING OF THE ROCKWORK AND CONSIDERATION GIVEN TO A THICKER GRANULAR FILTER/EMBEDMENT LAYER OVER THE GEOTEXTILE LAYER TO PREVENT DAMAGE TO THE FABRIC.
47.3. LAYER THICKNESS - SHOULD GENERALLY BE 100mm OR THICKER - DEPENDS ON TYPE OF UNDERLYING SOIL (I.E. MORE OR LESS DISPERSIVE), ROCK SIZE, AND HYDRAULIC CONDITIONS.
47.4. USE OF GRADED ROCK - SHOULD GENERALLY BE LIMITED TO 0-100mm GRADED ROCK. ONE SIZE BALLAST ROCK IS CONSIDERED INEFFECTIVE AS IT DOESN'T RESIST FLOW INFILTRATION.

WORKS IN WATERWAY

48. WORKS IN WATERWAY (FOSTER CREEK) ARE TO BE IN ACCORDANCE WITH WEST GIPPSLAND CATCHMENT MANAGEMENT AUTHORITY WATERY PERMIT NO: WGCMA-W-2020-00889.



LOCALITY PLAN
KORUMBURRA TOWNSHIP
SCALE 1:5000

DRAWING INDEX

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SOUTH GIPPSLAND SHIRE COUNCIL
COUNCIL REF - PP2021/366
DATE APPROVED - 28 Feb 2022
APPROVED BY - Geoff Davis
Approved Engineering Plan 1 of 29
Notes- Includes Ausnet Kiosk (Stage1)

LEGEND

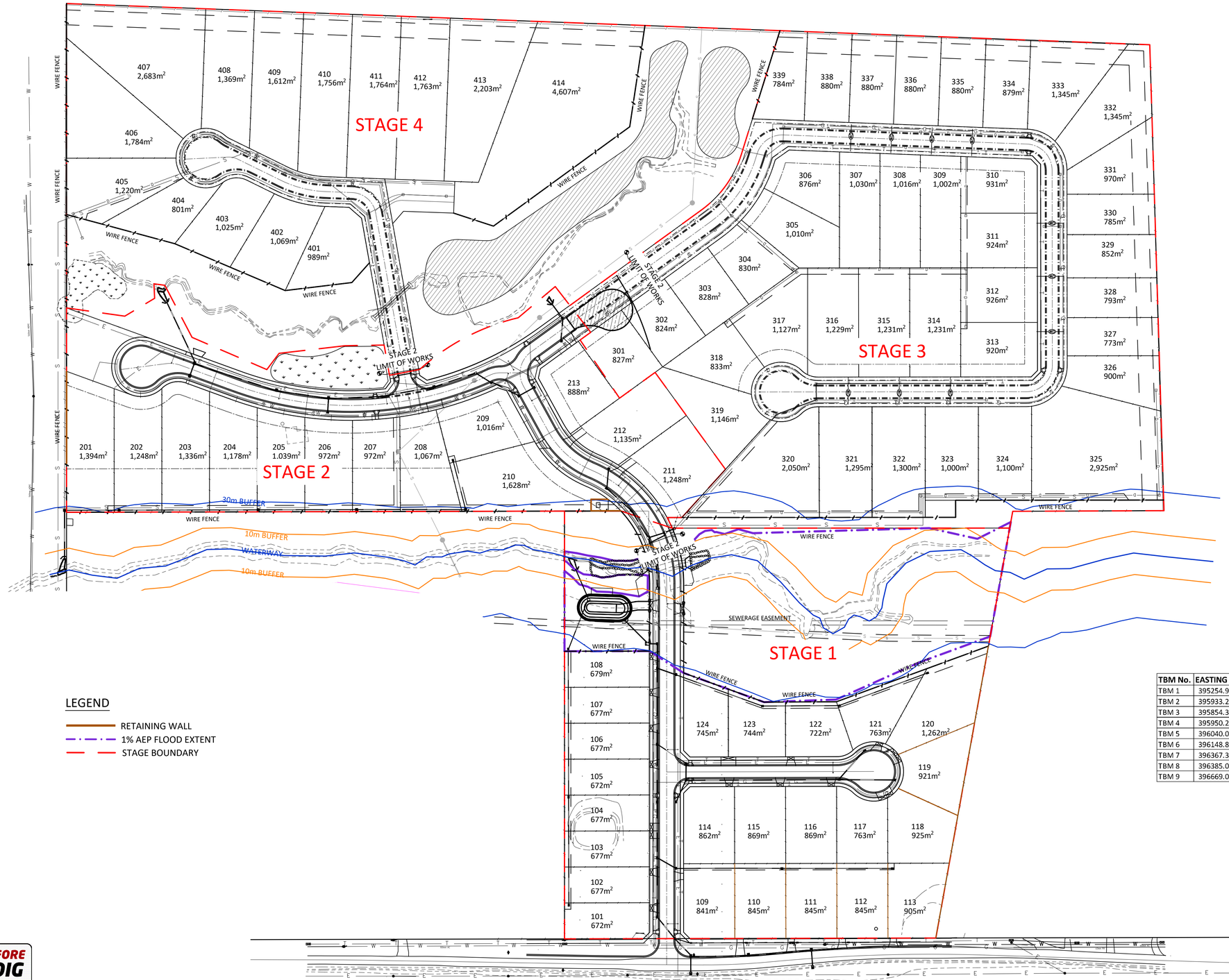
CONCRETE PAVING	TABLE DRAIN	WATERMAIN & FITTING	EX TREE OR SHRUB		
ASPHALT OVERLAY	EX DRAIN & PIT	GASMAIN & FITTING			
FENCE LINE	PROP DRAIN & PIT	PHONE CABLE & PIT	TREE TO BE REMOVED		
EX & PROP LEVELS	E123.45 ; P123.45	SEWER & PIT	LIGHT POLE		
EX & PROP CONTOURS	80m 80m	O'HEAD ELEC LINE & POLE	CENTRE LINE	TBM	
HOUSE DRAIN	HD	U'GRND ELEC CABLE & PIT	TRAVERSE LINE		

NOTES AND AMENDMENTS

PLANS ISSUE DATE: 15 JULY 2021
REVISION 1 PLANS ISSUE 2 DATE: 13 DECEMBER 2021

CIVIL DESIGN

SURVEY: N.L.S DATE: JUN' 21	66-90 BENA ROAD, KORUMBURRA SUBDIVISION CIVIL WORKS STAGE 2 LOCALITY PLAN AND GENERAL NOTES	
DESIGNED: CD DATE: JUN '21		
CD020 - D - REV(2).dwg		PROJ 020 / CONTRACT - ----
CHECKED: DATE:	SCALE: AS SHOWN	DATUM: A.H.D / 1 OF 28



LEGEND

- RETAINING WALL
- 1% AEP FLOOD EXTENT
- STAGE BOUNDARY

TBM No.	EASTING	NORTHING	LEVEL	REMARKS
TBM 1	395254.988	5745844.814	179.611	GPS TBM
TBM 2	395933.221	5745523.931	178.969	GPS TBM
TBM 3	395854.385	5745278.681	179.542	GPS TBM
TBM 4	395950.260	5745256.245	182.258	GPS TBM
TBM 5	396040.000	5745256.312	187.334	GPS TBM
TBM 6	396148.804	5745237.225	185.505	GPS TBM
TBM 7	396367.344	5745204.17	190.714	RIVERT ON KERB
TBM 8	396385.024	5745196.624	191.926	GPS PM
TBM 9	396669.076	5745177.362	210.924	GPS PM

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SOUTH GIPPSLAND SHIRE COUNCIL
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LEGEND

CONCRETE PAVING	TABLE DRAIN	WATERMAIN & FITTING	EX TREE OR SHRUB		
ASPHALT OVERLAY	EX DRAIN & PIT	GASMAIN & FITTING			
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NOTES AND AMENDMENTS

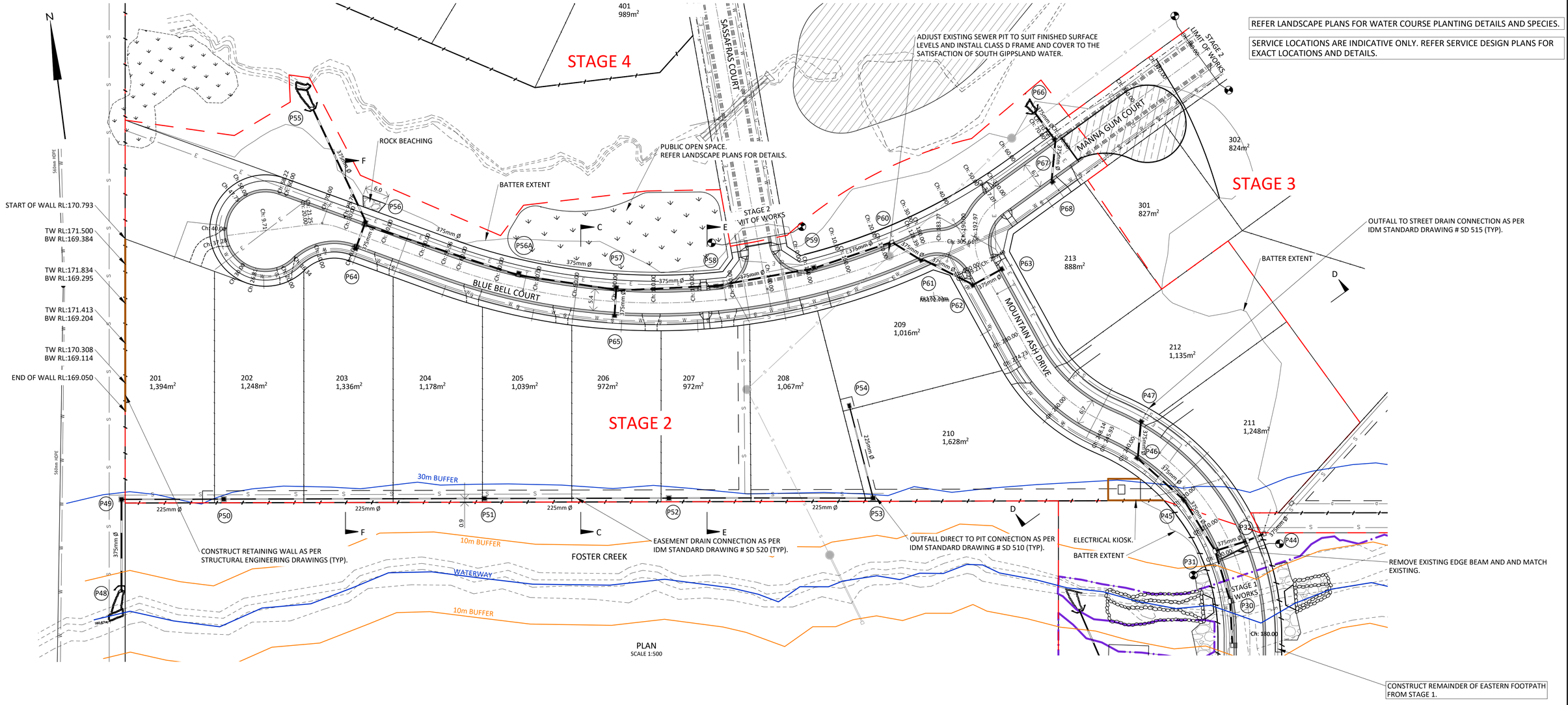
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66-90 BENA ROAD,
KORUMBURRA
SUBDIVISION CIVIL WORKS STAGE 2
LAYOUT PLAN

SCALE: 1:1000 @ A1
DATUM: A.H.D
PROJ 020
CONTRACT - ----
2 OF 28



REFER LANDSCAPE PLANS FOR WATER COURSE PLANTING DETAILS AND SPECIES.

SERVICE LOCATIONS ARE INDICATIVE ONLY. REFER SERVICE DESIGN PLANS FOR EXACT LOCATIONS AND DETAILS.

LEGEND

- RETAINING WALL
- TW 178.23 TOP OF RETAINING WALL
- BW 177.06 BOTTOM OF RETAINING WALL
- 1% AEP FLOOD EXTENT
- STAGE BOUNDARY
- SUGGESTED VEHICLE CROSSING LOCATION TO BE CONSTRUCTED BY OTHERS
- PROPOSED VEHICLE CROSSING TO BE CONSTRUCTED AS PART OF THESE WORKS

ROAD NAME	ROAD CLASSIFICATION	RESERVE WIDTH	ROAD WIDTH			KERB TYPE
			LIP TO LIP	INV TO INV	BOK TO BOK	
MOUNTAIN ASH DRIVE/MANNA GUM COURT	ACCESS STREET	16.0	6.7	7.3	7.9	SM2-M
BLUE BELL COURT	ACCESS PLACE	14.0	5.4	6.0	6.6	SM2-M

SOUTH GIPPSLAND SHIRE COUNCIL
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NOTES AND AMENDMENTS

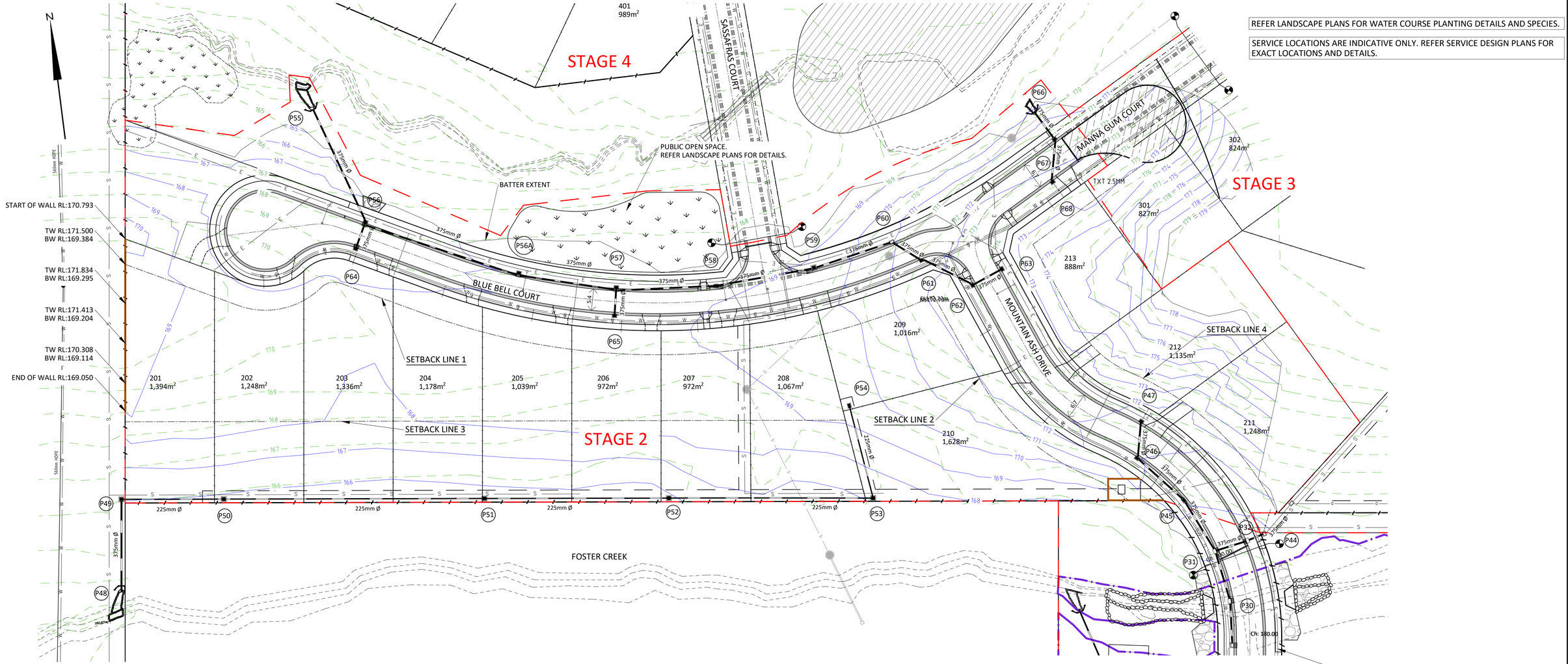
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66-90 BENA ROAD, KORUMBURRA
SUBDIVISION CIVIL WORKS STAGE 2
STAGE 2 - LAYOUT PLAN

SCALE: 1:500 @ A1
PROJ 020
DATUM: A.H.D
CONTRACT - ----
3 OF 28



REFER LANDSCAPE PLANS FOR WATER COURSE PLANTING DETAILS AND SPECIES.

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PLAN
SCALE 1:500

LEGEND

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SOUTH GIPPSLAND SHIRE COUNCIL
COUNCIL REF - PP2021/366
DATE APPROVED - 28 Feb 2022
APPROVED BY - Geoff Davis
Approved Engineering Plan 4 of 29
Notes- Includes Ausnet Kiosk (Stage1)

GENERAL NOTES (FROM SHEET 1)

25. FILL AREAS ARE TO BE STRIPPED OF TOPSOIL, FILLED USING APPROVED CLAY FILL AND THEN TOPSOIL REPLACED TO OBTAIN FINAL FILL LEVELS AS SHOWN ON PLANS. ALL FILLING TO BE CARRIED OUT IN 150mm LAYERS AND COMPACTED TO 95% OF MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS 3798-2007: GUIDELINES ON EARTHWORKS FOR COMMERCIAL AND RESIDENTIAL DEVELOPMENTS.
26. ALL CUT AND FILL BATTERS TO BE IN ACCORDANCE WITH GEOTECHNICAL SITE INVESTIGATION REPORT BY INTRAX CONSULTING ENGINEERS PTY LTD DATED 15 NOVEMBER 2016.
27. 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.
28. BATTERS SHALL BE MAX OF 1 IN 6 UNLESS OTHERWISE APPROVED AND COVERED AND SMOOTHED WITH MINIMUM OF 100mm TOPSOIL.

LEGEND

CONCRETE PAVING	TABLE DRAIN	WATERMAIN & FITTING	EX TREE OR SHRUB		
ASPHALT OVERLAY	EX DRAIN & PIT	GASMAIN & FITTING			
FENCE LINE	PROP DRAIN & PIT	PHONE CABLE & PIT	TREE TO BE REMOVED		
EX & PROP LEVELS	E123.45 ; P123.45	SEWER & PIT	LIGHT POLE		
EX & PROP CONTOURS	80m 80m	O'HEAD ELEC LINE & POLE	CENTRE LINE	TBM	
HOUSE DRAIN	HD	U'GRND ELEC CABLE & PIT	TRAVERSE LINE		

NOTES AND AMENDMENTS

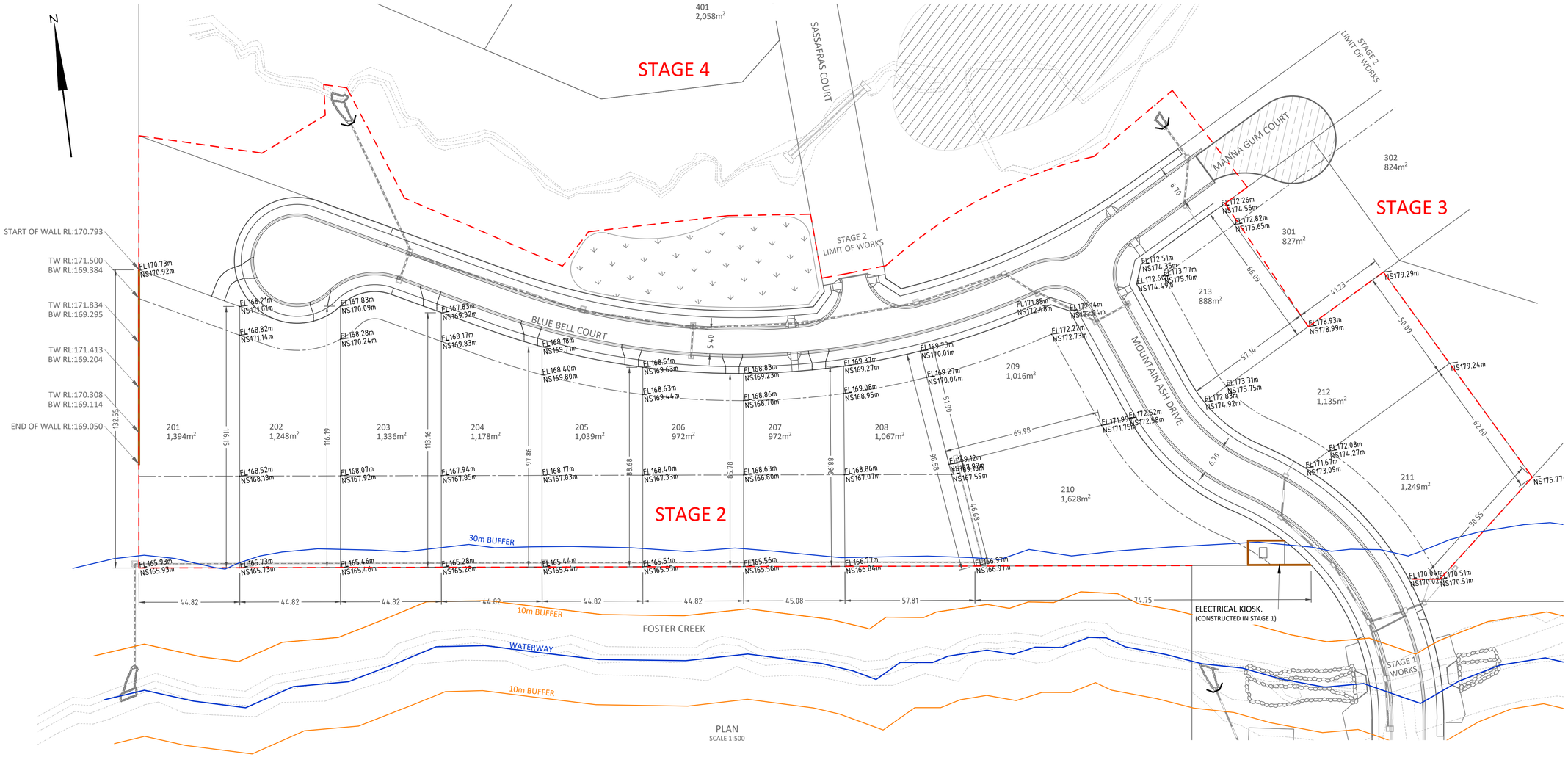
PLANS ISSUE DATE: 15 JULY 2021
REVISION 1 PLANS ISSUE 2 DATE: 13 DECEMBER 2021

CIVIL DESIGN

SURVEY: N.L.S
DATE: JUN' 21
DESIGNED: CD
DATE: JUN '21
CD020 - D - REV(2).dwg
CHECKED:
DATE:

66-90 BENA ROAD,
KORUMBURRA
SUBDIVISION CIVIL WORKS STAGE 2
STAGE 2 - CONTOUR PLAN

SCALE: 1:500 @ A1
PROJ 020
DATUM: A.H.D
CONTRACT - ----
4 OF 28



PLAN
SCALE 1:500

LEGEND

- RETAINING WALL
- TW 178.23 TOP OF RETAINING WALL
- BW 177.06 BOTTOM OF RETAINING WALL
- FL 177.06 FINISHED LEVELS
- NS 177.06 NATURAL SURFACE
- STAGE BOUNDARY
- SUGGESTED VEHICLE CROSSING LOCATION TO BE CONSTRUCTED BY OTHERS
- PROPOSED VEHICLE CROSSING TO BE CONSTRUCTED AS PART OF THESE WORKS

ROAD NAME	ROAD CLASSIFICATION	RESERVE WIDTH	ROAD WIDTH			KERB TYPE
			LIP TO LIP	INV TO INV	BOK TO BOK	
MOUNTAIN ASH DRIVE/MANNA GUM COURT	ACCESS STREET	16.0	6.7	7.3	7.9	SM2-M
BLUE BELL COURT	ACCESS PLACE	14.0	5.4	6.0	6.6	SM2-M

SOUTH GIPPSLAND SHIRE COUNCIL
COUNCIL REF - PP2021/366
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Approved Engineering Plan 5 of 29
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CONTRACTOR MUST DIAL 1100 TO CONFIRM LOCATION OF EXISTING SERVICES AND COMPLY WITH ANY AUTHORITY REQUIREMENTS REGARDING EXISTING SERVICES PRIOR TO COMMENCEMENT OF ANY WORKS.

LEGEND

CONCRETE PAVING	TABLE DRAIN	WATERMAIN & FITTING	EX TREE OR SHRUB	
ASPHALT OVERLAY	EX DRAIN & PIT	GASMAIN & FITTING		
FENCE LINE	PROP DRAIN & PIT	PHONE CABLE & PIT	TREE TO BE REMOVED	
EX & PROP LEVELS	E123.45 ; P123.45	SEWER & PIT	LIGHT POLE	
EX & PROP CONTOURS	80m 80m	O'HEAD ELEC LINE & POLE	CENTRE LINE	TBM
HOUSE DRAIN		U'GRND ELEC CABLE & PIT	TRAVERSE LINE	

NOTES AND AMENDMENTS

PLANS ISSUE DATE: 15 JULY 2021
REVISION 1 PLANS ISSUE 2 DATE: 13 DECEMBER 2021

CIVIL DESIGN

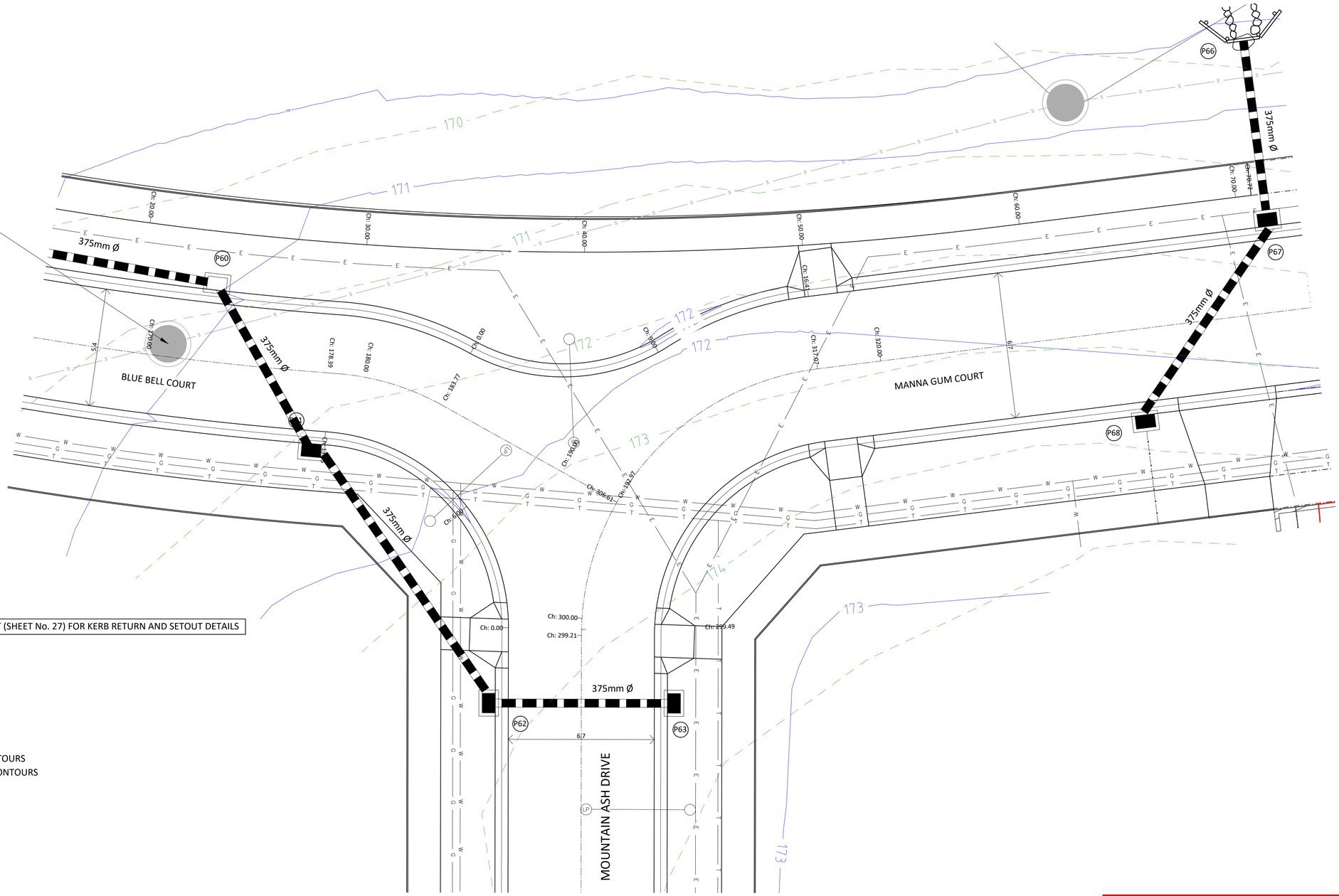
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DATE: JUN'21
DESIGNED: CD
DATE: DEC'21
LOT LEVELS STG 2.dwg
CHECKED:
DATE:

66-90 BENA ROAD,
KORUMBURRA
SUBDIVISION CIVIL WORKS STAGE 2
FINISHED AND NATURAL SURFACE LEVELS

SCALE: 1:500 @ A1
DATUM: 1:500 @ A1
PROJ 020
CONTRACT - ---
5
OF
28

ADJUST EXISTING SEWER PIT TO SUIT FINISHED SURFACE LEVELS AND INSTALL CLASS D FRAME AND COVER TO THE SATISFACTION OF SOUTH GIPPSLAND WATER.

REFER SETOUT SHEET (SHEET No. 27) FOR KERB RETURN AND SETOUT DETAILS



PLAN
SCALE 1:100

SOUTH GIPPSLAND SHIRE COUNCIL
COUNCIL REF - PP2021/366
DATE APPROVED - 28 Feb 2022
APPROVED BY - Geoff Davis
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Notes- Includes Ausnet Kiosk (Stage1)

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LEGEND

EX CONTOURS
PROP CONTOURS

LEGEND

CONCRETE PAVING	TABLE DRAIN	WATERMAIN & FITTING	EX TREE OR SHRUB		
ASPHALT OVERLAY	EX DRAIN & PIT	GASMAIN & FITTING			
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HOUSE DRAIN	HD	U'GRND ELEC CABLE & PIT	TRAVERSE LINE		

NOTES AND AMENDMENTS

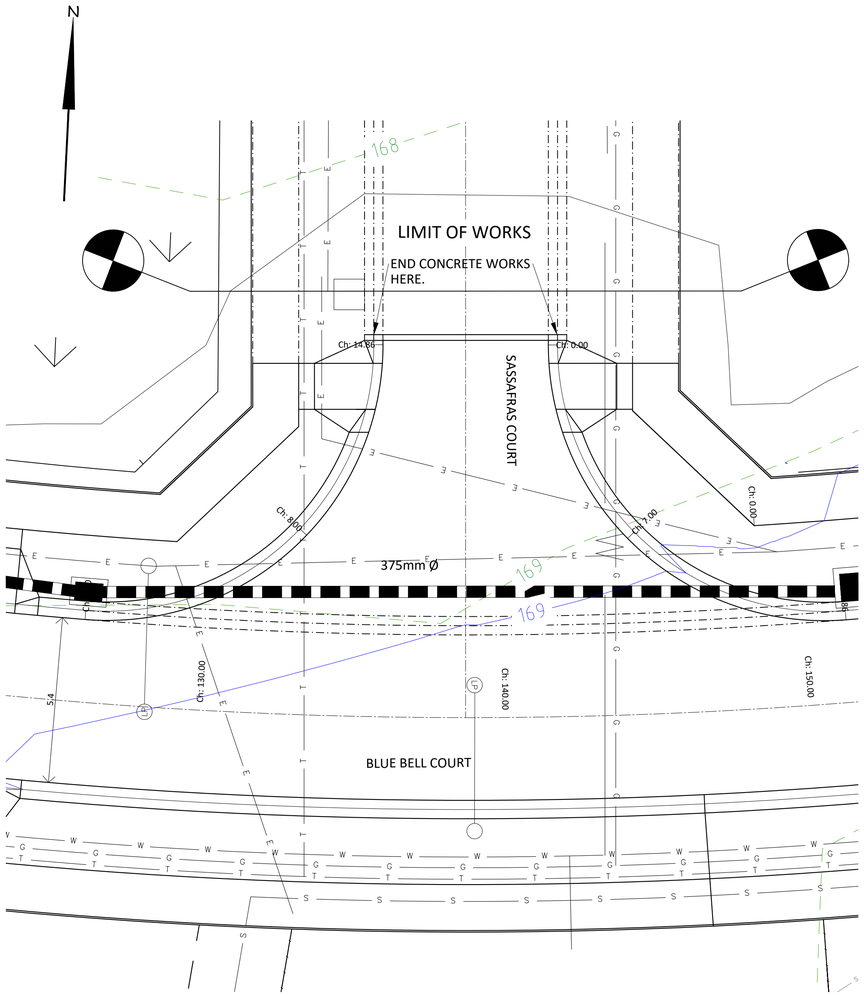
PLANS ISSUE DATE: 15 JULY 2021
REVISION 1 PLANS ISSUE 2 DATE: 13 DECEMBER 2021

CIVIL DESIGN

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DATE: JUN' 21
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DATE: JUN '21
CD020 - D - REV(2).dwg
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DATE:

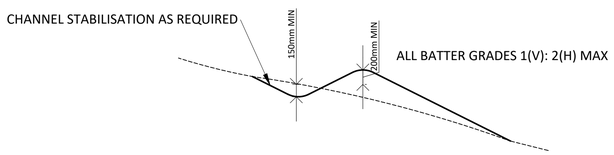
66-90 BENA ROAD,
KORUMBURRA
SUBDIVISION CIVIL WORKS STAGE 2
MOUNTAIN ASH DRIVE AND ROAD 3 INTERSECTION PLAN

SCALE: 1:100 @ A1
PROJ 020
DATUM: A.H.D
CONTRACT - ----
6 OF 28



PLAN
SCALE 1:100

REFER SETOUT SHEET (SHEET No. 27) FOR KERB RETURN AND SETOUT DETAILS



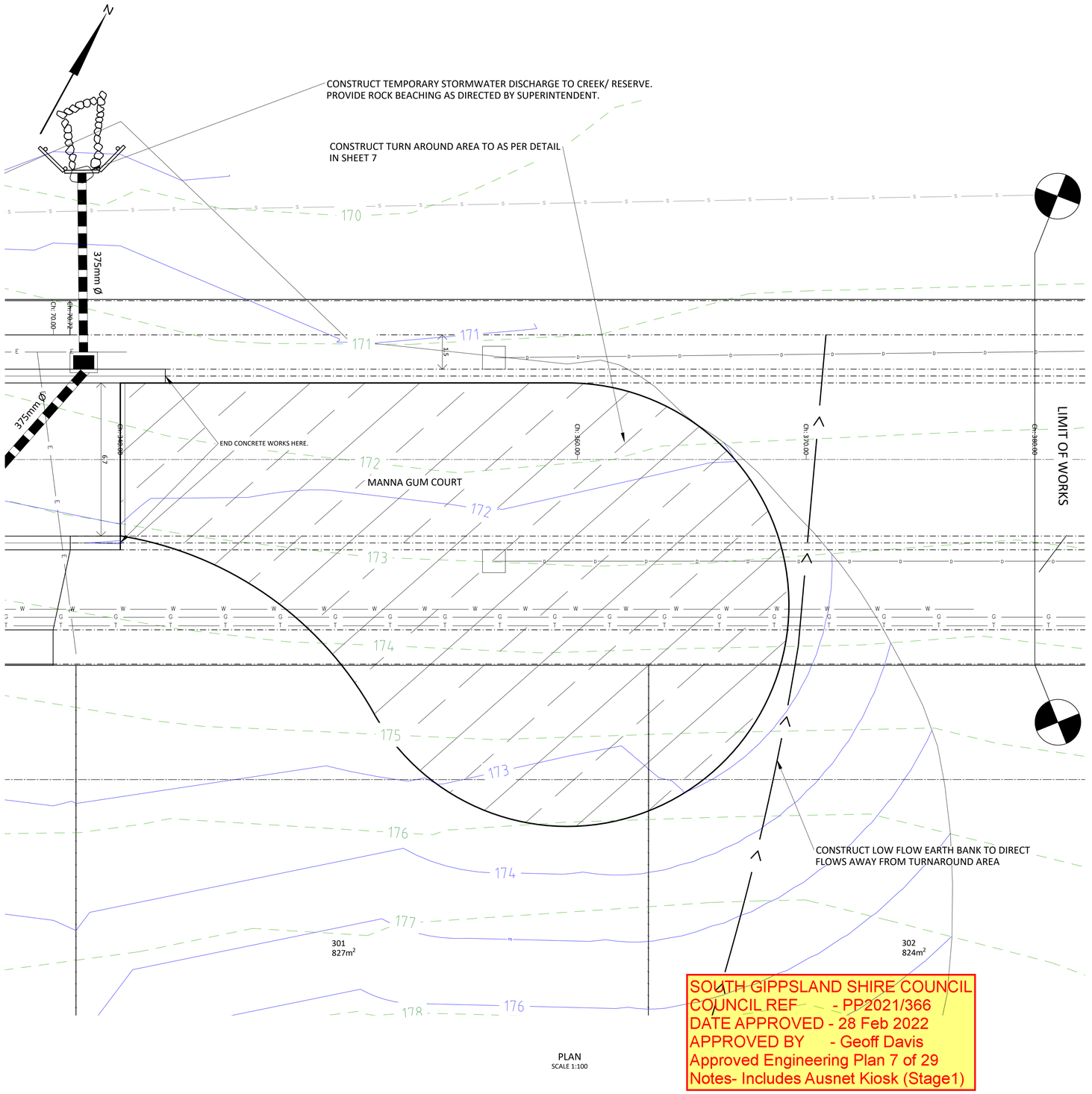
LOW FLOW EARTH BANK DETAIL
NOT TO SCALE

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LEGEND

EX CONTOURS
PROP CONTOURS



PLAN
SCALE 1:100

SOUTH GIPPSLAND SHIRE COUNCIL
COUNCIL REF - PP2021/366
DATE APPROVED - 28 Feb 2022
APPROVED BY - Geoff Davis
Approved Engineering Plan 7 of 29
Notes- Includes Ausnet Kiosk (Stage1)

LEGEND

CONCRETE PAVING	TABLE DRAIN	WATERMAIN & FITTING	EX TREE OR SHRUB		
ASPHALT OVERLAY	EX DRAIN & PIT	GASMAIN & FITTING			
FENCE LINE	PROP DRAIN & PIT	PHONE CABLE & PIT	TREE TO BE REMOVED		
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HOUSE DRAIN	U'GRND ELEC CABLE & PIT	TRAVERSE LINE			

NOTES AND AMENDMENTS

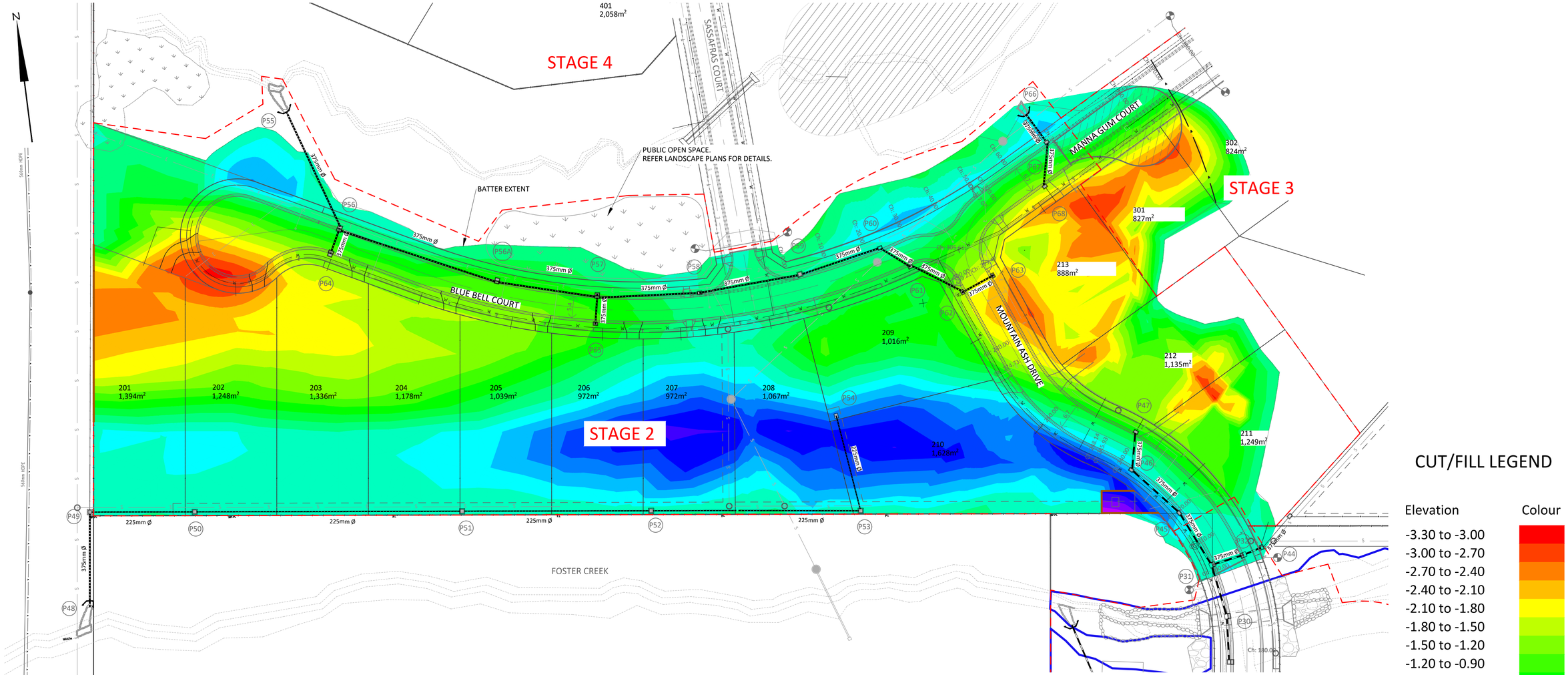
PLANS ISSUE DATE: 15 JULY 2021
REVISION 1 PLANS ISSUE 2 DATE: 13 DECEMBER 2021

CIVIL DESIGN

SURVEY: N.L.S
DATE: JUN' 21
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DATE: JUN '21
CD020 - D - REV(2).dwg
CHECKED:
DATE:

66-90 BENA ROAD,
KORUMBURRA
SUBDIVISION CIVIL WORKS STAGE 2
LIMIT OF WORKS DETAILS

SCALE: AS SHOWN
PROJ 020
DATUM: A.H.D
CONTRACT - ----
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OF
28



PLAN
SCALE 1:500

CUT/FILL LEGEND

Elevation	Colour
-3.30 to -3.00	
-3.00 to -2.70	
-2.70 to -2.40	
-2.40 to -2.10	
-2.10 to -1.80	
-1.80 to -1.50	
-1.50 to -1.20	
-1.20 to -0.90	
-0.90 to -0.60	
-0.60 to -0.30	
-0.30 to 0.00	
0.00 to 0.30	
0.30 to 0.60	
0.60 to 0.90	
0.90 to 1.20	
1.20 to 1.50	
1.50 to 1.80	
1.80 to 2.10	
2.10 to 2.40	
2.40 to 2.70	

SOUTH GIPPSLAND SHIRE COUNCIL
COUNCIL REF - PP2021/366
DATE APPROVED - 28 Feb 2022
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LEGEND

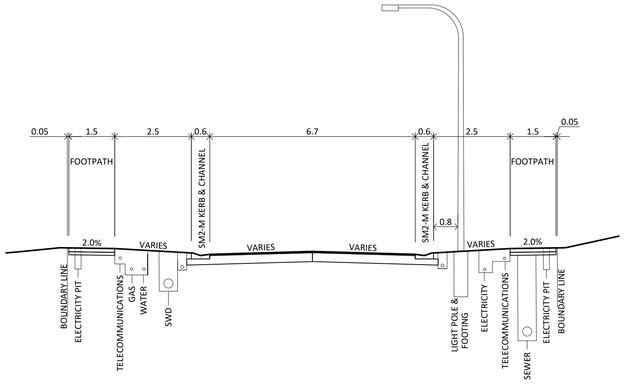
CONCRETE PAVING	TABLE DRAIN	WATERMAIN & FITTING	EX TREE OR SHRUB		
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NOTES AND AMENDMENTS

PLANS ISSUE DATE: 15 JULY 2021
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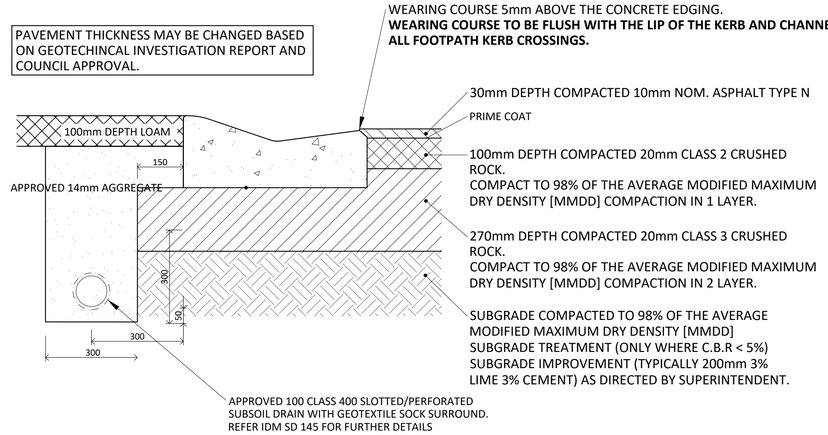
CIVIL DESIGN

SURVEY: N.L.S DATE: JUN'21	66-90 BENA ROAD, KPRUMBURRA SUBDIVISION CIVIL WORKS STAGE 2 STAGE 2 - CUT/ FILL DIAGRAM		
DESIGNED: CD DATE: DEC' 21			
STG2_cut-fill.dwg		PROJ 020	CONTRACT - ----
CHECKED: DATE:	SCALE: 1:500 @ A1	DATUM: A.H.D	8 OF 28

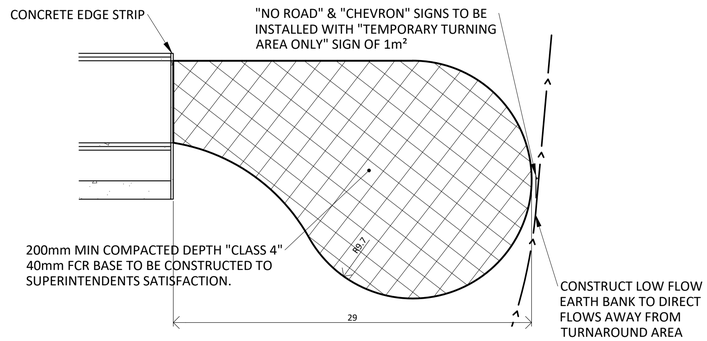


MOUNTAIN ASH DRIVE & MANNA GUM COURT - TYPICAL SECTION
(REFER IDM SD 630 FOR FURTHER DETAILS)
SCALE 1:100

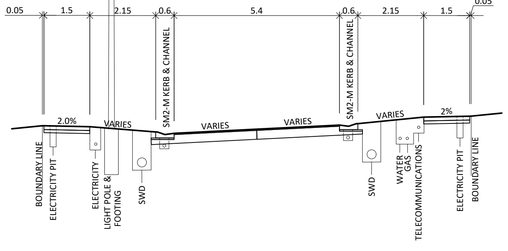
SERVICE LOCATIONS ARE INDICATIVE ONLY. REFER SERVICE DESIGN PLANS FOR EXACT LOCATIONS AND DETAILS.



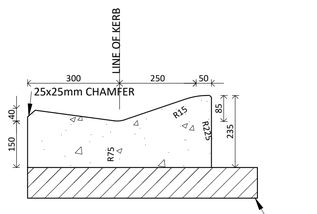
TYPICAL PAVEMENT AND SUB SOIL DRAINAGE DETAIL
SCALE 1:10



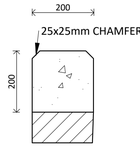
TYPICAL TEMPORARY TURNAROUND DETAIL
SCALE 1:250



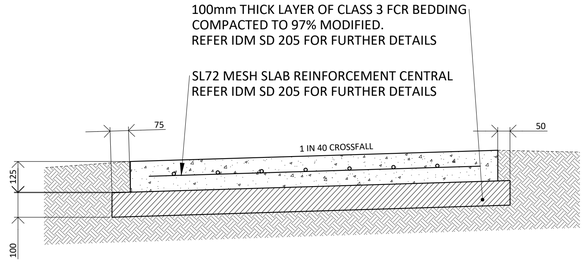
BLUE BELL COURT - TYPICAL SECTION
(REFER IDM SD 630 FOR FURTHER DETAILS)
SCALE 1:100



SM2-M (MODIFIED)
(REFER IDM SD 100 FOR FURTHER DETAILS)
SCALE 1:10



EDGE STRIP
(REFER IDM SD 100 FOR FURTHER DETAILS)
SCALE 1:10



TYPICAL FOOTPATH DETAIL
(REFER IDM SD 205 FOR FURTHER DETAILS)
NOT TO SCALE

BEDDING TO EXTEND 150mm BEHIND BOK
100mm MIN COMPACTED DEPTH "CLASS 3" 20mm FCR BEDDING COMPACT TO 98% OF THE AVERAGE MODIFIED MAXIMUM DRY DENSITY [MMDD] COMPACTION IN 2 LAYER (TYP)

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SOUTH GIPPSLAND SHIRE COUNCIL
COUNCIL REF - PP2021/366
DATE APPROVED - 28 Feb 2022
APPROVED BY - Geoff Davis
Approved Engineering Plan 9 of 29
Notes- Includes Ausnet Kiosk (Stage1)

LEGEND

CONCRETE PAVING	TABLE DRAIN	WATERMAIN & FITTING	EX TREE OR SHRUB		
ASPHALT OVERLAY	EX DRAIN & PIT	GASMAIN & FITTING			
FENCE LINE	PROP DRAIN & PIT	PHONE CABLE & PIT	TREE TO BE REMOVED		
EX & PROP LEVELS	E123.45 ; P123.45	SEWER & PIT	LIGHT POLE		
EX & PROP CONTOURS	O'HEAD ELEC LINE & POLE	CENTRE LINE	TBM		
HOUSE DRAIN	U'GRND ELEC CABLE & PIT	TRAVERSE LINE			

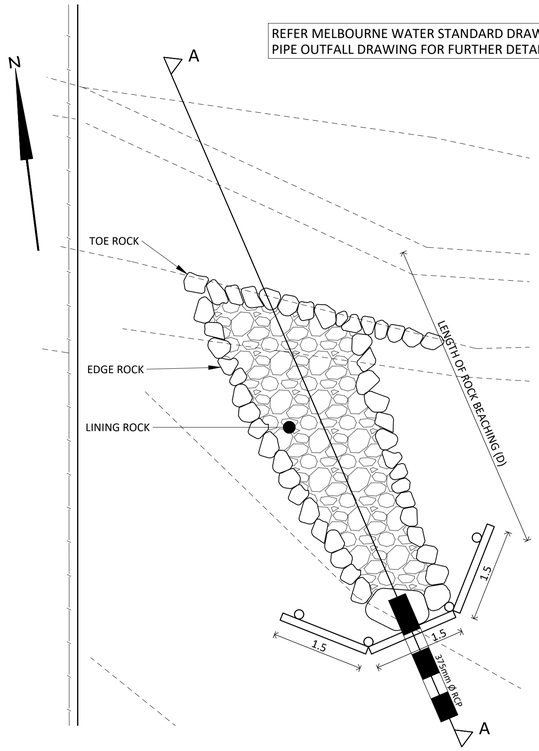
NOTES AND AMENDMENTS

PLANS ISSUE DATE: 15 JULY 2021
REVISION 1 PLANS ISSUE 2 DATE: 13 DECEMBER 2021

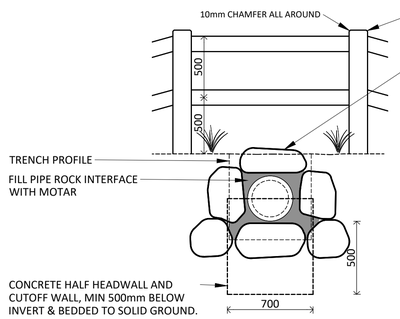
CIVIL DESIGN

SURVEY: N.L.S DATE: JUN' 21	66-90 BENA ROAD, KORUMBURRA SUBDIVISION CIVIL WORKS STAGE 2 DETAILS		
DESIGNED: CD DATE: JUN '21		PROJ 020	CONTRACT - ----
CD020 - D - REV(2).dwg			9 OF 28
CHECKED: DATE:	SCALE: AS SHOWN	DATUM: A.H.D	----

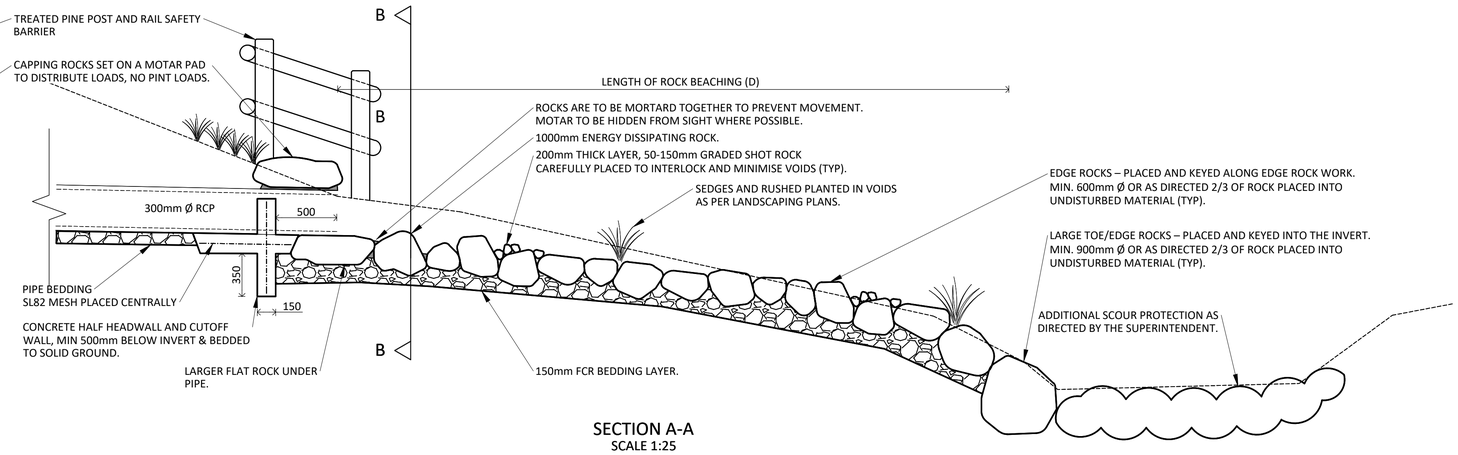
REFER MELBOURNE WATER STANDARD DRAWING # 7251/08/103
PIPE OUTFALL DRAWING FOR FURTHER DETAILS.



TYPICAL PIPE CONNECTION TO CREEK
SCALE 1:50

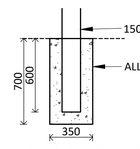


SECTION B-B
SCALE 1:25



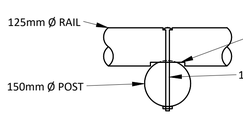
SECTION A-A
SCALE 1:25

SPECIFIC DETIALS OF OUTLETS				
PIT #	OUTLET PIPE Ø	OUTLET PIPE MATERIAL	OUTLET PIPE INVERT	LENGTH OF ROCK BEACHING
P48	375mm	RCP	163.254	6.0m
P55	375mm	RCP	163.921	5.5m
P66	375mm	RCP	169.862	3.5m

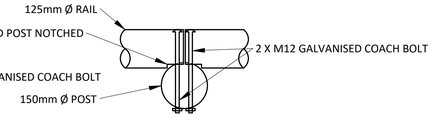


REFER MELBOURNE WATER STANDARD DRAWING # 7251/08/206 POST & RAIL SAFETY BARRIER AROUND DROP ZONES FOR FURTHER DETAILS

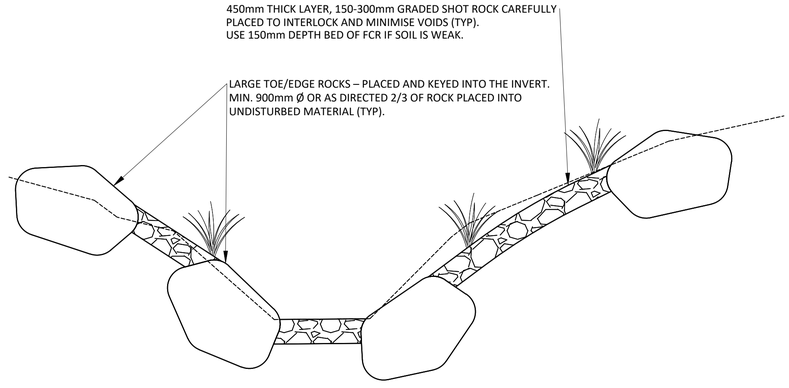
SAFETY BARRIER POST FOOTING DETAIL
SCALE 1:25



SAFETY BARRIER POST TO RAIL CONNECTION DETAILS (SINGLE SPAN)
SCALE 1:10



SAFETY BARRIER POST TO RAIL CONNECTION DETAILS (CONTINUOUS)
SCALE 1:10



TYPICAL ROCK BEACHING ON CREEK
SCALE 1:25

SOUTH GIPPSLAND SHIRE COUNCIL
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LEGEND

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ASPHALT OVERLAY	EX DRAIN & PIT	GASMAIN & FITTING			
FENCE LINE	PROP DRAIN & PIT	PHONE CABLE & PIT	TREE TO BE REMOVED		
EX & PROP LEVELS	E123.45 ; P123.45	SEWER & PIT	LIGHT POLE		
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NOTES AND AMENDMENTS

PLANS ISSUE DATE: 15 JULY 2021
REVISION 1 PLANS ISSUE 2 DATE: 13 DECEMBER 2021
SPECIFIC DETAILS OF OUTLETS TABLE INCLUDED - KW - 11/2/22

CIVIL DESIGN

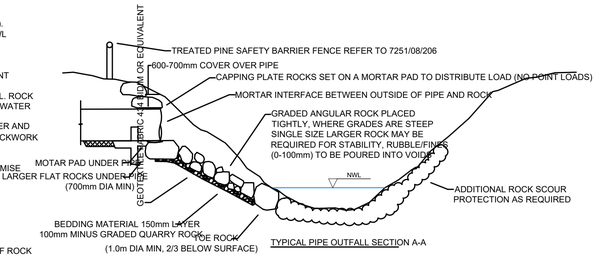
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DESIGNED: CD DATE: JUN '21
CD020 - D - REV(2).dwg
CHECKED: DATE:

66-90 BENA ROAD,
KORUMBURRA
SUBDIVISION CIVIL WORKS STAGE 2
CREEK CONNECTION DETAILS

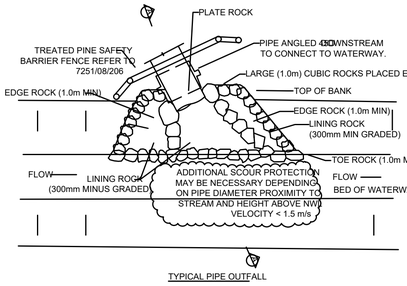
SCALE: AS SHOWN
DATUM: A.H.D
PROJ 020
CONTRACT - ----
10 OF 28

NOTE:
- PIPE OUTLET MUST NOT 'DAYLIGHT'. STOP PIPE AT MINIMUM COVER OF 600-700MM. OUTFALL MAY BE INSET AS SHOWN IN TOP DRAWING
- CUT OFF WALLS. BOTTOM MINIMUM 500MM INTO IN SITU. SIDE MINIMUM 1M INTO IN SITU
- FOR LARGER OUTFALL PIPES CONSTRUCT CONCRETE END WALLS (PARTICULARLY OUTFALLS LARGER THAN 1200MM DIA).
- EITHER GRADED ROCK WORK OR PLACED ROCK WORK DEPENDING ON THE GRADE AND WHETHER BELOW OR ABOVE NWL
- ENERGY DISSIPATION CAN BE ENHANCED WITH SHALLOW PLANTED INLET POOLS/SUMPS
- 1.5 M/SEC MAX. OUTLET VELOCITY ;
- OUTLET PIPE TO BE SET BACK INTO THE FINISHED BATTER SLOPE, POINTING A MAX. OF 45 DEGREES DOWNSTREAM;
- ROCKS ABUTTING THE PIPE TO HAVE A MORTAR PAD BETWEEN THE ROCK AND THE OUTSIDE EDGE OF THE PIPE (NO POINT LOADINGS);
- ROCKWORK PROTECTION REQUIRED FOR THE BED AND BANKS, FROM THE END OF PIPE TO THE LOW FLOW WATER LEVEL. ROCK PROTECTION REQUIRED FOR THE FULL EROSION PROJECTION OF THE OPPOSITE BANK AND BED AS REQUIRED FOR THE WATER FLOW PROFILE WHEN THE OUTLET IS FLOWING FULL ;
- ROCKS WITHIN THE BASE TO BE PLACED ON A FCR BEDDING TO ENSURE THE STORMWATER DISCHARGE IS FLOWING OVER AND AROUND THE ROCKS DOWN INTO THE CREEK, AND NOT UNDERNEATH. THE REMAINING EXPOSED DIMENSION OF THE ROCKWORK IS TO BE A MINIMUM OF 150mm;
- DISTURBED AREAS OF EXISTING BANK RESULTING FROM THESE WORKS ARE TO BE STABILISED WITH REVEGETATION.
- THE OUTLET MUST BE INTEGRATED INTO THE BANK AND SURROUNDING LANDSCAPE TO MAXIMISE AESTHETICS AND MINIMISE IMPACTS
- TOE AND EDGE ROCKS AE TO ADEQUATELY KEYED INTO THE BED OF THE CREEK.
- ALL VOIDS SHALL BE FILLED WITH A 0-100mm FCR MIX.
- APPROPRIATE SILT/DEBRIS CONTROL MEASURES MUST BE INSTALLED.

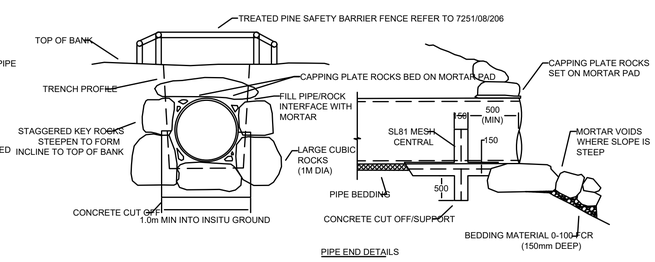
PROCEDURE
- EXCAVATE/BOX OUT TO ENABLE TOE AND MATERIAL.
- INFILL THE CHUTE WITH A 0-100mm FCR MIX. THE CONTRACTOR SHALL USE METHODS FOR HANDLING AND PLACEMENT OF ROCK THAT WILL AVOID SEGREGATION OF ROCK SIZE FRACTIONS.
- ROCK SHALL BE CAREFULLY PLACED INTO POSITION. ROCK SHALL NOT BE DUMPED DIRECTLY.
- IT IS IMPERATIVE THAT ROCK USED TO FORM THE ROCK CHUTE IS WELL GRADED WITH MINIMAL VOIDS TO PRODUCE A BLANKET OF INTERLOCKING ROCK.



TYPICAL PIPE OUTFALL SECTION A-A



TYPICAL PIPE OUTFALL



PIPE END DETAILS

REV	DESCRIPTION	COMPANY	PROJECT OR RO NUMBER	DRAWN	ENG CHECK	PR. MAN (APPD)	DATE
B	WATERWAY DESIGN MANUAL	ALLUVIUM		JB			21/08/19
A	NOTATION AMENDMENTS	MW		MK			17/12/18

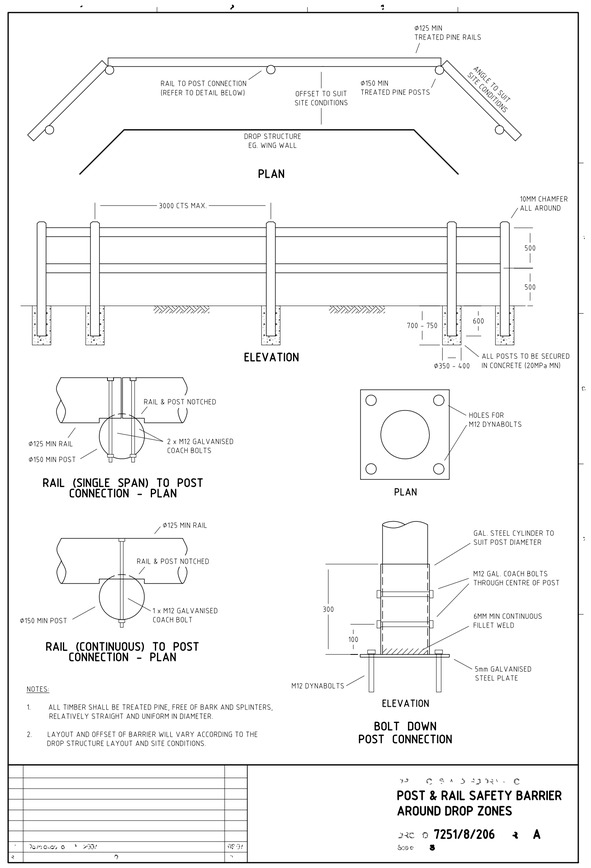
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Melbourne Water

DRAFTER	DESIGNER	DESIGN MANAGER APPROVAL	PROJECT MANAGER APPROVAL
DRAFTING CHECK	ENGINEERING REVIEW		

TITLE: PIPE OUTFALL DRAWING

PROJECT DATUM | Original Size A1 | MELBOURNE WATER CORPORATION
SCALE: NOT TO SCALE | CODE: C | MWC DRAWING NUMBER: 7251/08/103 | REV: B



NOTES:
1. ALL TIMBER SHALL BE TREATED PINE, FREE OF BARK AND SPLINTERS, RELATIVELY STRAIGHT AND UNIFORM IN DIAMETER.
2. LAYOUT AND OFFSET OF BARRIER WILL VARY ACCORDING TO THE DROP STRUCTURE LAYOUT AND SITE CONDITIONS.

POST & RAIL SAFETY BARRIER AROUND DROP ZONES

DRG NO 7251/8/206 REV A

SCALE 1:20

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SOUTH GIPPSLAND SHIRE COUNCIL
COUNCIL REF - PP2021/366
DATE APPROVED - 28 Feb 2022
APPROVED BY - Geoff Davis
Approved Engineering Plan 11 of 29
Notes- Includes Ausnet Kiosk (Stage1)

LEGEND

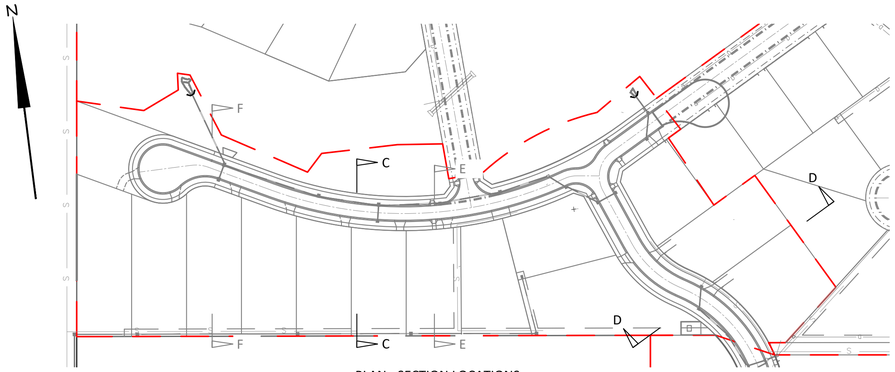
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ASPHALT OVERLAY	EX DRAIN & PIT	GASMAIN & FITTING			
FENCE LINE	PROP DRAIN & PIT	PHONE CABLE & PIT	TREE TO BE REMOVED		
EX & PROP LEVELS	E123.45 ; P123.45	SEWER & PIT	LIGHT POLE		
EX & PROP CONTOURS	80m 80m	O'HEAD ELEC LINE & POLE	CENTRE LINE	TBM	
HOUSE DRAIN	HD	U'GRND ELEC CABLE & PIT	TRAVERSE LINE		

NOTES AND AMENDMENTS

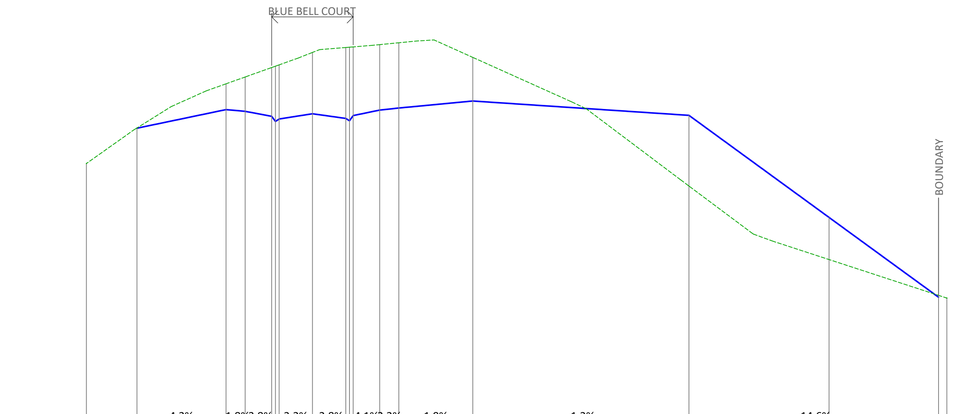
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REVISION 1 PLANS ISSUE 2 DATE: 13 DECEMBER 2021

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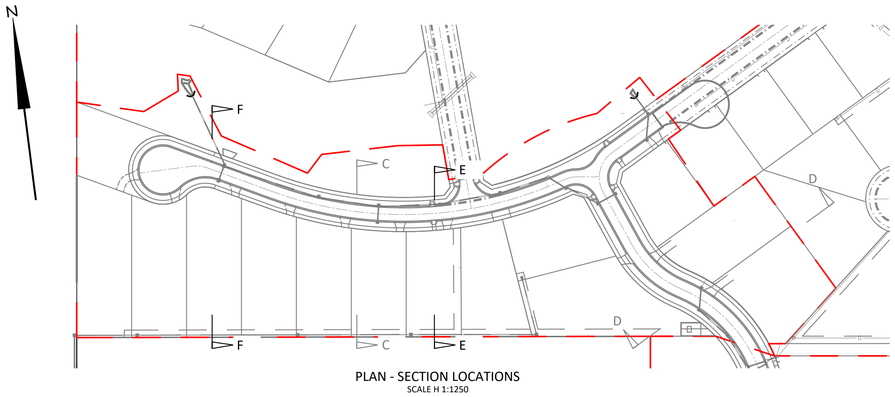
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DESIGNED: CD DATE: JUN '21			
CD020 - D - REV(2).dwg		PROJ 020	CONTRACT - ----
CHECKED: DATE:		SCALE: AS SHOWN / DATUM: A.H.D	11 OF 28



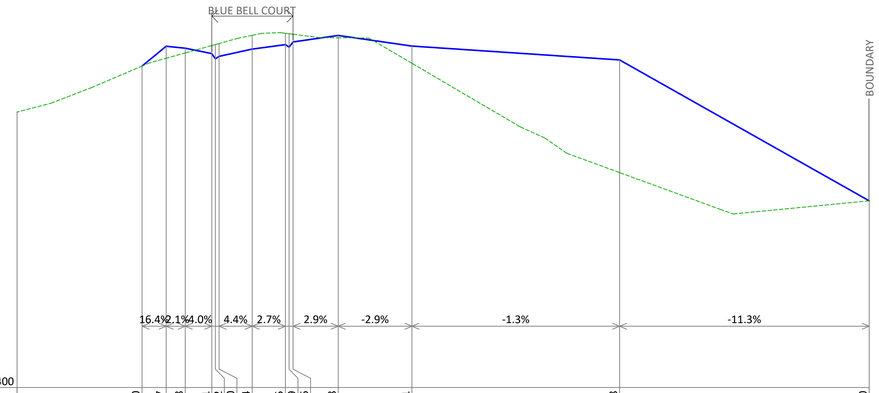
PLAN - SECTION LOCATIONS
SCALE H 1:1250



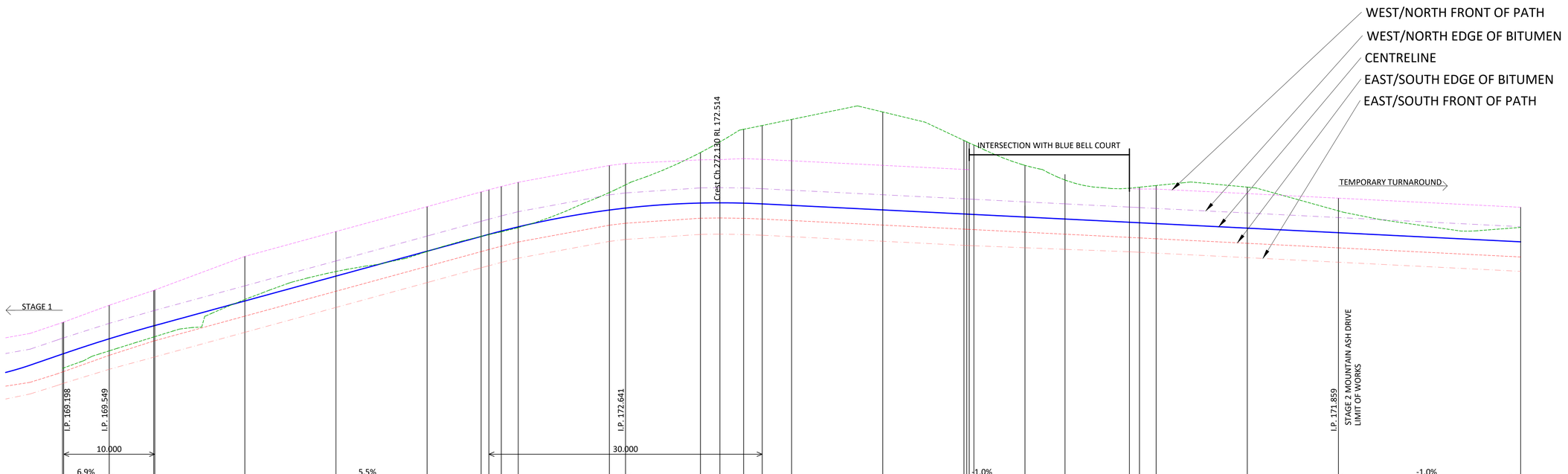
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PLAN - SECTION LOCATIONS
SCALE H 1:250

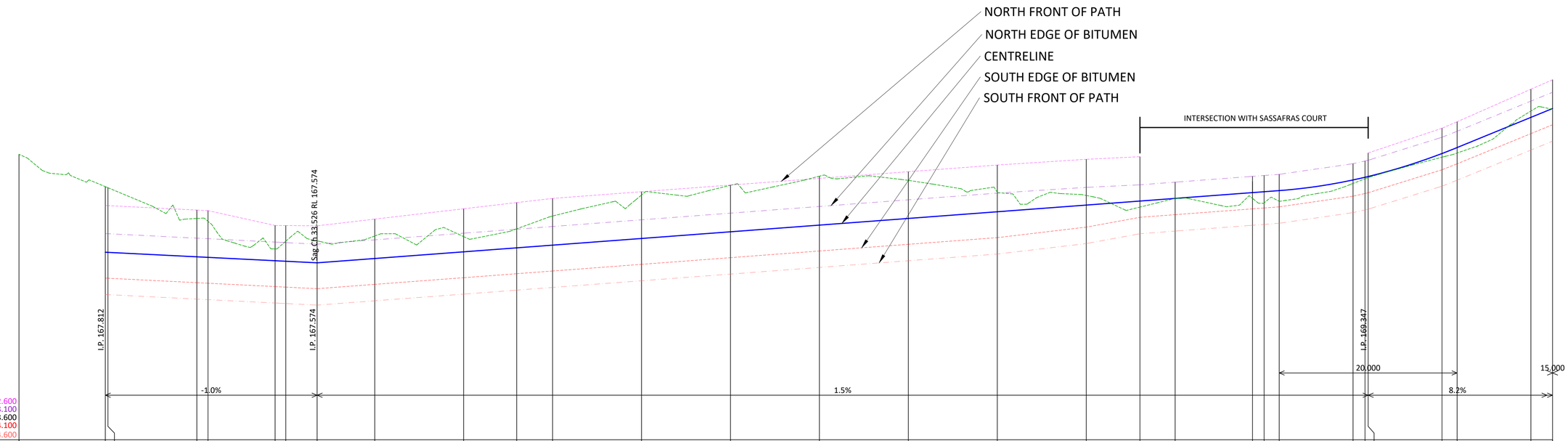


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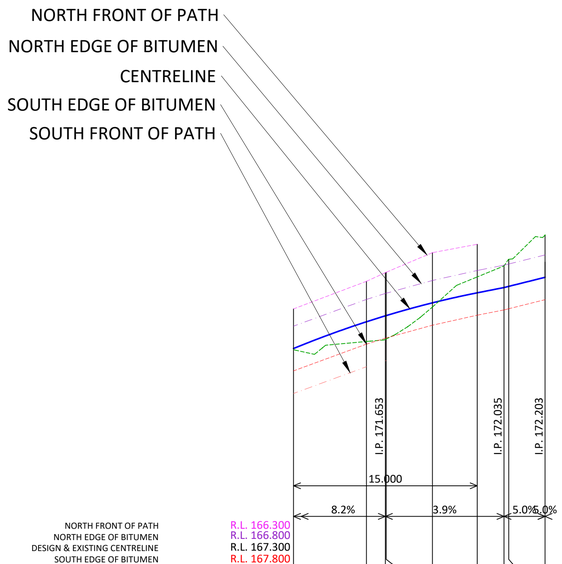


WEST/NORTH FRONT OF PATH R.L. 164.500
WEST/NORTH EDGE OF BITUMEN R.L. 165.000
DESIGN & EXISTING CENTRELINE R.L. 165.500
EAST/SOUTH EDGE OF BITUMEN R.L. 166.000
EAST/SOUTH FRONT OF PATH R.L. 166.500

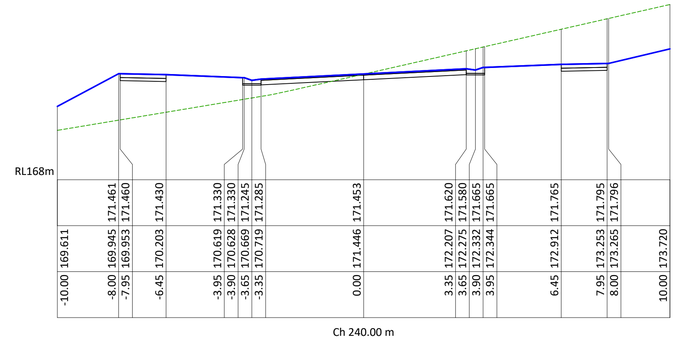
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NORTH FRONT OF PATH
NORTH EDGE OF BITUMEN
CENTRELINE
SOUTH EDGE OF BITUMEN
SOUTH FRONT OF PATH
INTERSECTION WITH SASSAFRAS COURT
I.P. 167.812
Sag Ch 33.526 RL 167.574
I.P. 167.574
I.P. 169.347
-1.0%
1.5%
20.000
8.2%
15.000

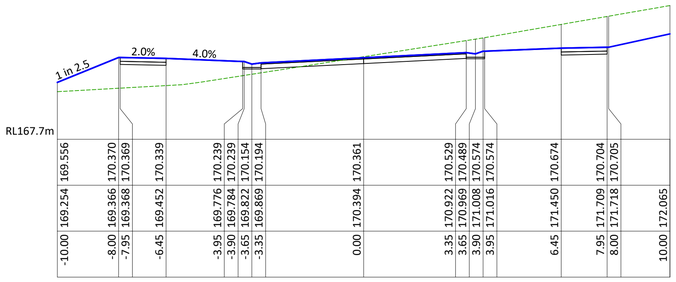
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NORTH FRONT OF PATH
NORTH EDGE OF BITUMEN
CENTRELINE
SOUTH EDGE OF BITUMEN
SOUTH FRONT OF PATH
I.P. 171.653
I.P. 172.035
I.P. 172.203
15.000
8.2%
3.9%
5.0%
5.0%
NORTH FRONT OF PATH R.L. 166.300
NORTH EDGE OF BITUMEN R.L. 166.800
DESIGN & EXISTING CENTRELINE R.L. 167.300
SOUTH EDGE OF BITUMEN R.L. 167.800
SOUTH FRONT OF PATH R.L. 168.300

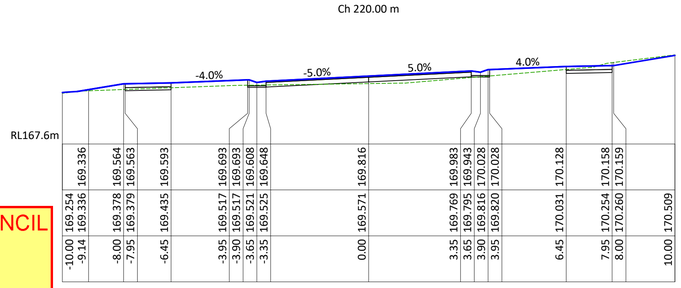
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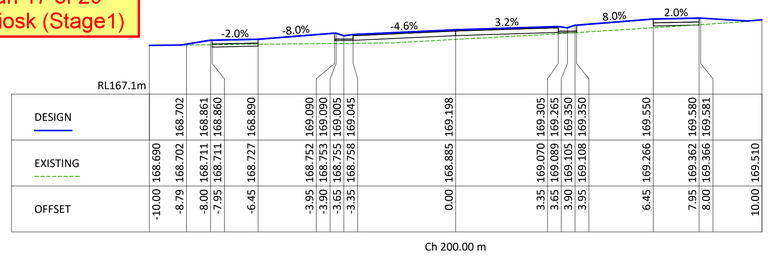
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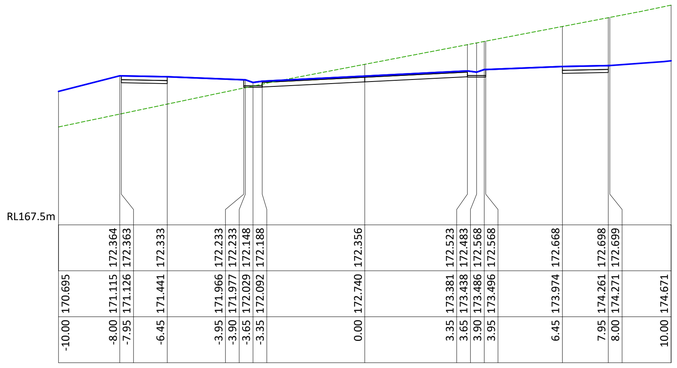
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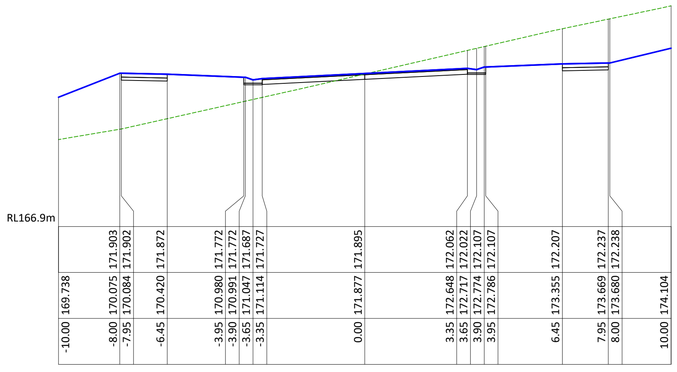
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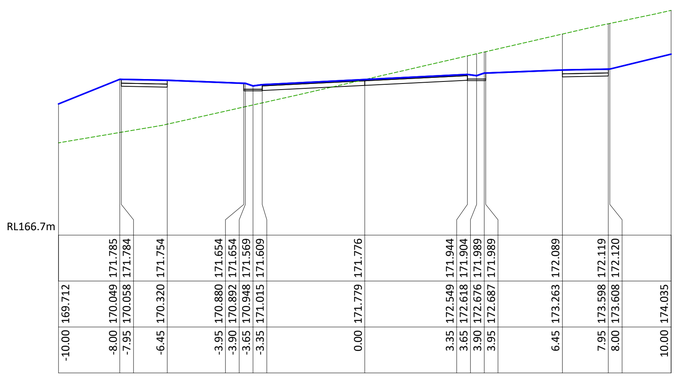
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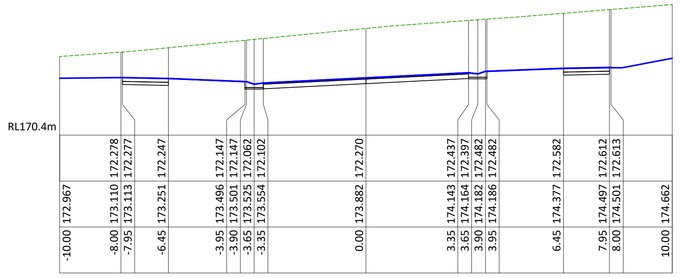
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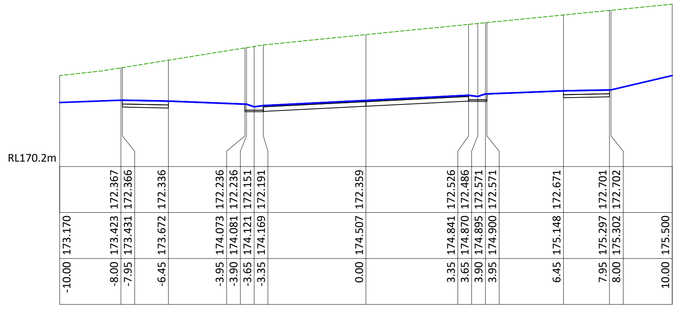
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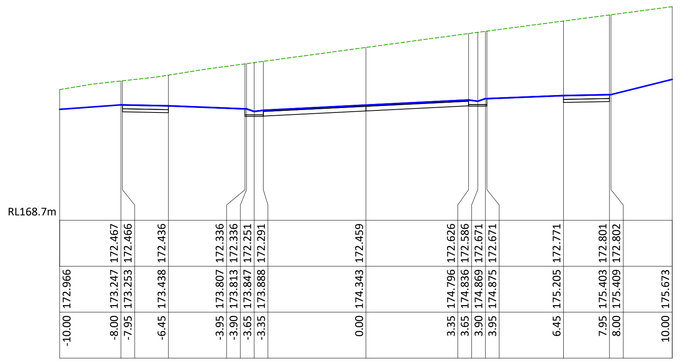
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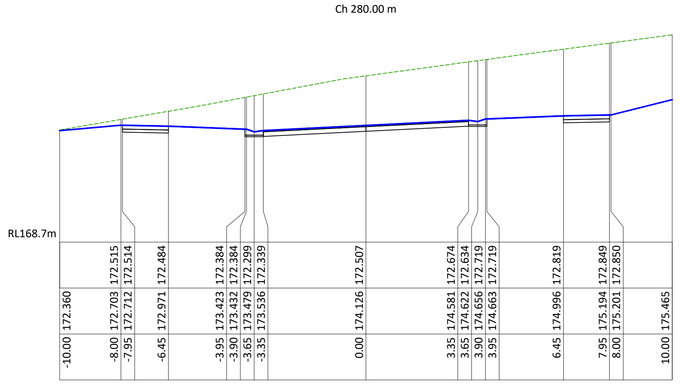
Ch 298.91 m



Ch 290.00 m



Ch 280.00 m



Ch 274.73 m

SOUTH GIPPSLAND SHIRE COUNCIL
COUNCIL REF - PP2021/366
DATE APPROVED - 28 Feb 2022
APPROVED BY - Geoff Davis
Approved Engineering Plan 17 of 29
Notes- Includes Ausnet Kiosk (Stage1)

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MOUNTAIN ASH DRIVE - CROSS SECTIONS

SCALE 1:100

LEGEND

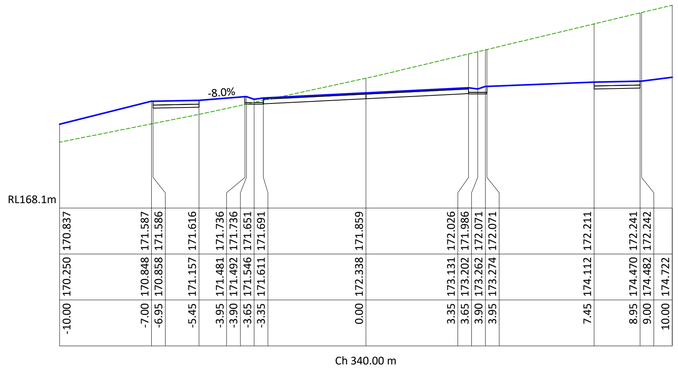
- CONCRETE PAVING
- ASPHALT OVERLAY
- FENCE LINE
- EX & PROP LEVELS — E123.45 ; P123.45
- EX & PROP CONTOURS — 80m / 80m
- HOUSE DRAIN — HD
- TABLE DRAIN
- EX DRAIN & PIT
- PROP DRAIN & PIT
- SEWER & PIT
- O'HEAD ELEC LINE & POLE
- U'GRND ELEC CABLE & PIT
- WATERMAIN & FITTING
- GASMAIN & FITTING
- PHONE CABLE & PIT
- LIGHT POLE
- CENTRE LINE
- TRAVERSE LINE
- EX TREE OR SHRUB
- TREE TO BE REMOVED
- TBM

NOTES AND AMENDMENTS

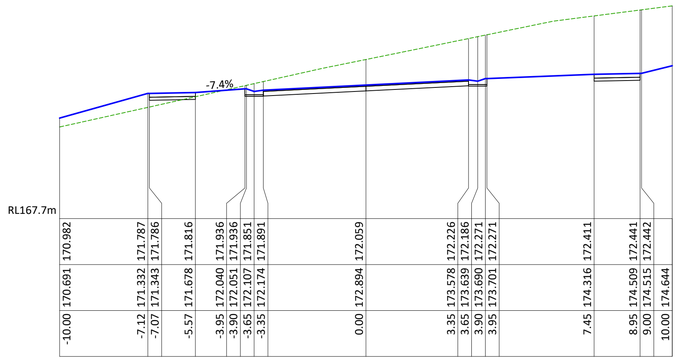
PLANS ISSUE DATE: 15 JULY 2021
REVISION 1 PLANS ISSUE 2 DATE: 13 DECEMBER 2021

CIVIL DESIGN

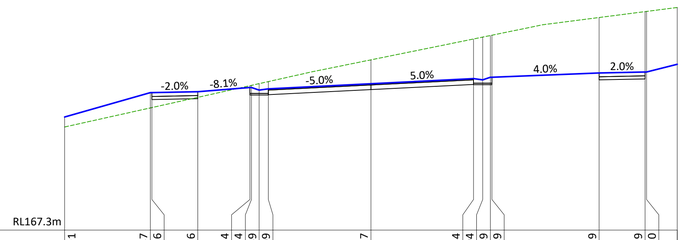
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DESIGNED: CD DATE: JUN '21		
CD020 - D - REV(2).dwg	PROJ 020	CONTRACT - ----
CHECKED: DATE:	SCALE: AS SHOWN DATUM: A.H.D	17 OF 28



Ch 340.00 m



Ch 320.00 m



Ch 318.17 m

MOUNTAIN ASH DRIVE - CROSS SECTIONS

SCALE 1:100

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Approved Engineering Plan 18 of 29
Notes- Includes Ausnet Kiosk (Stage1)

LEGEND

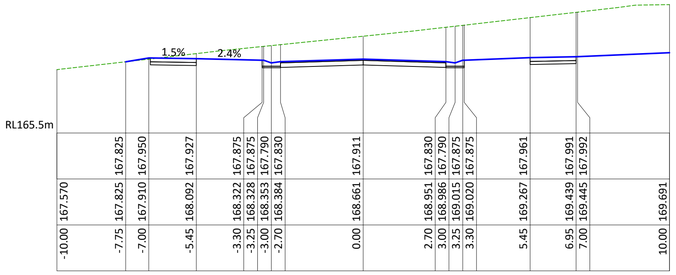
CONCRETE PAVING	TABLE DRAIN	WATERMAIN & FITTING	EX TREE OR SHRUB
ASPHALT OVERLAY	EX DRAIN & PIT	GASMAIN & FITTING	
FENCE LINE	PROP DRAIN & PIT	PHONE CABLE & PIT	TREE TO BE REMOVED
EX & PROP LEVELS	E123.45 ; P123.45	SEWER & PIT	LIGHT POLE	
EX & PROP CONTOURS	80m 80m	O'HEAD ELEC LINE & POLE	CENTRE LINE	TBM
HOUSE DRAIN	HD	U'GRND ELEC CABLE & PIT	TRAVERSE LINE	

NOTES AND AMENDMENTS

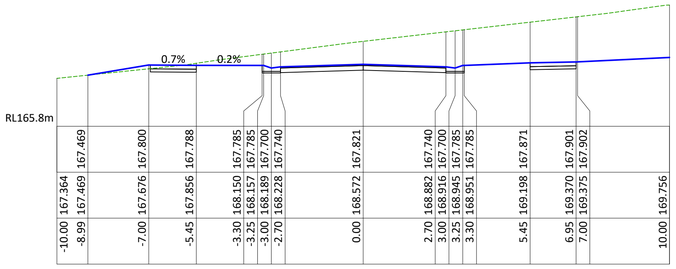
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REVISION 1 PLANS ISSUE 2 DATE: 13 DECEMBER 2021

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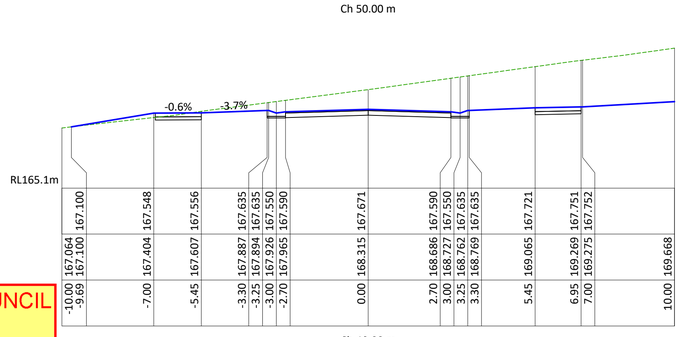
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DESIGNED: CD DATE: JUN '21			
CD020 - D - REV(2).dwg		PROJ 020	CONTRACT - ----
CHECKED: DATE:	SCALE: AS SHOWN	DATUM: A.H.D	18 OF 28



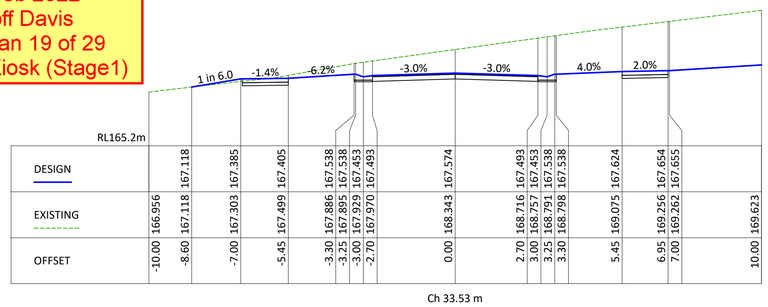
Ch 55.96 m



Ch 50.00 m



Ch 40.00 m

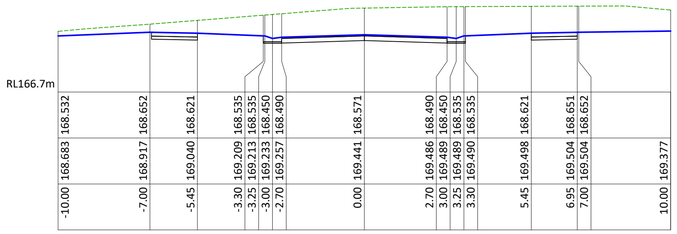


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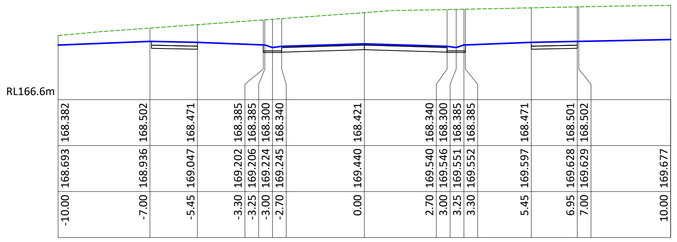
SOUTH GIPPSLAND SHIRE COUNCIL
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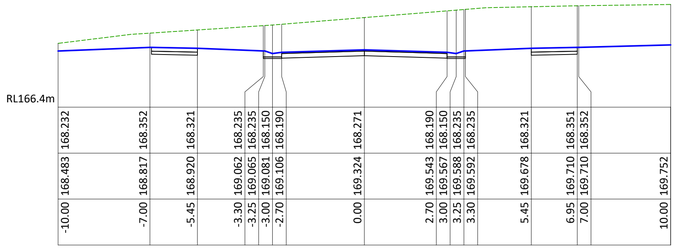
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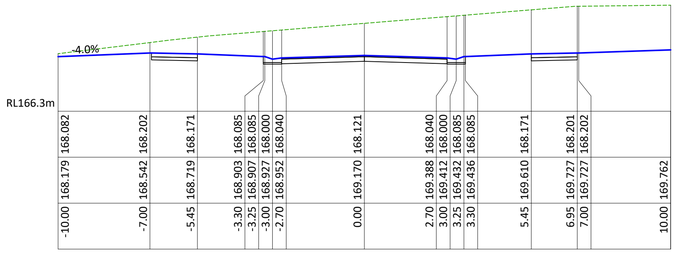
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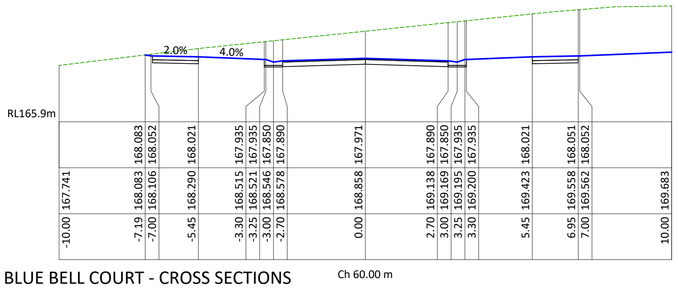
Ch 90.00 m



Ch 80.00 m

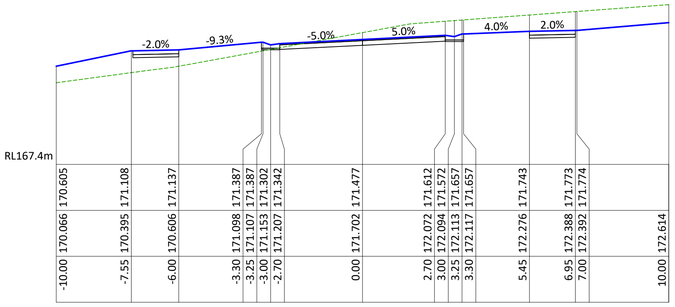


Ch 70.00 m

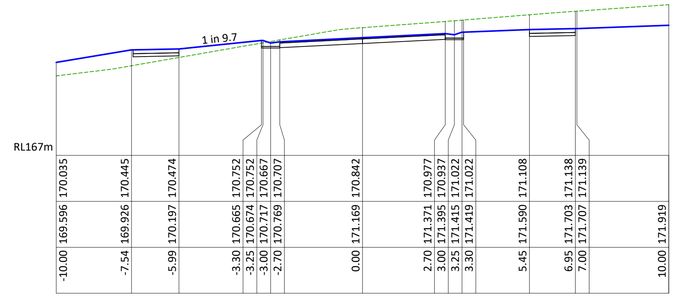


Ch 60.00 m

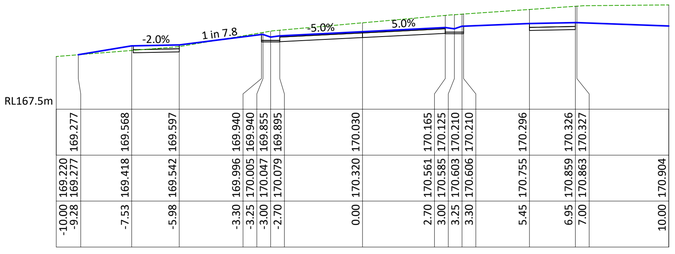
BLUE BELL COURT - CROSS SECTIONS
SCALE 1:100



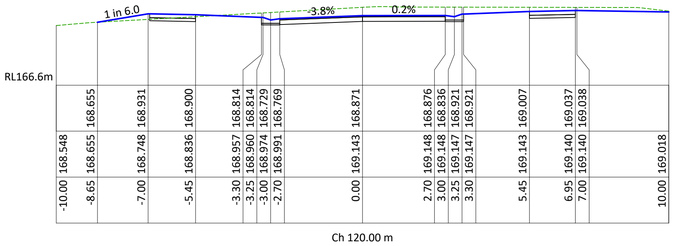
Ch 178.39 m



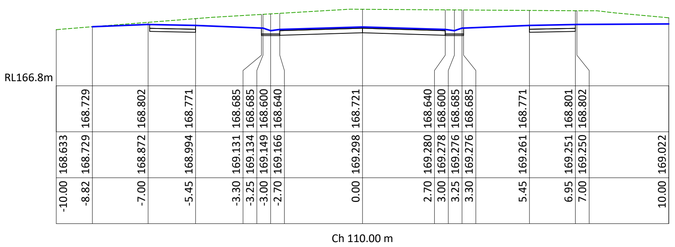
Ch 170.00 m



Ch 160.00 m



Ch 120.00 m



Ch 110.00 m

LEGEND

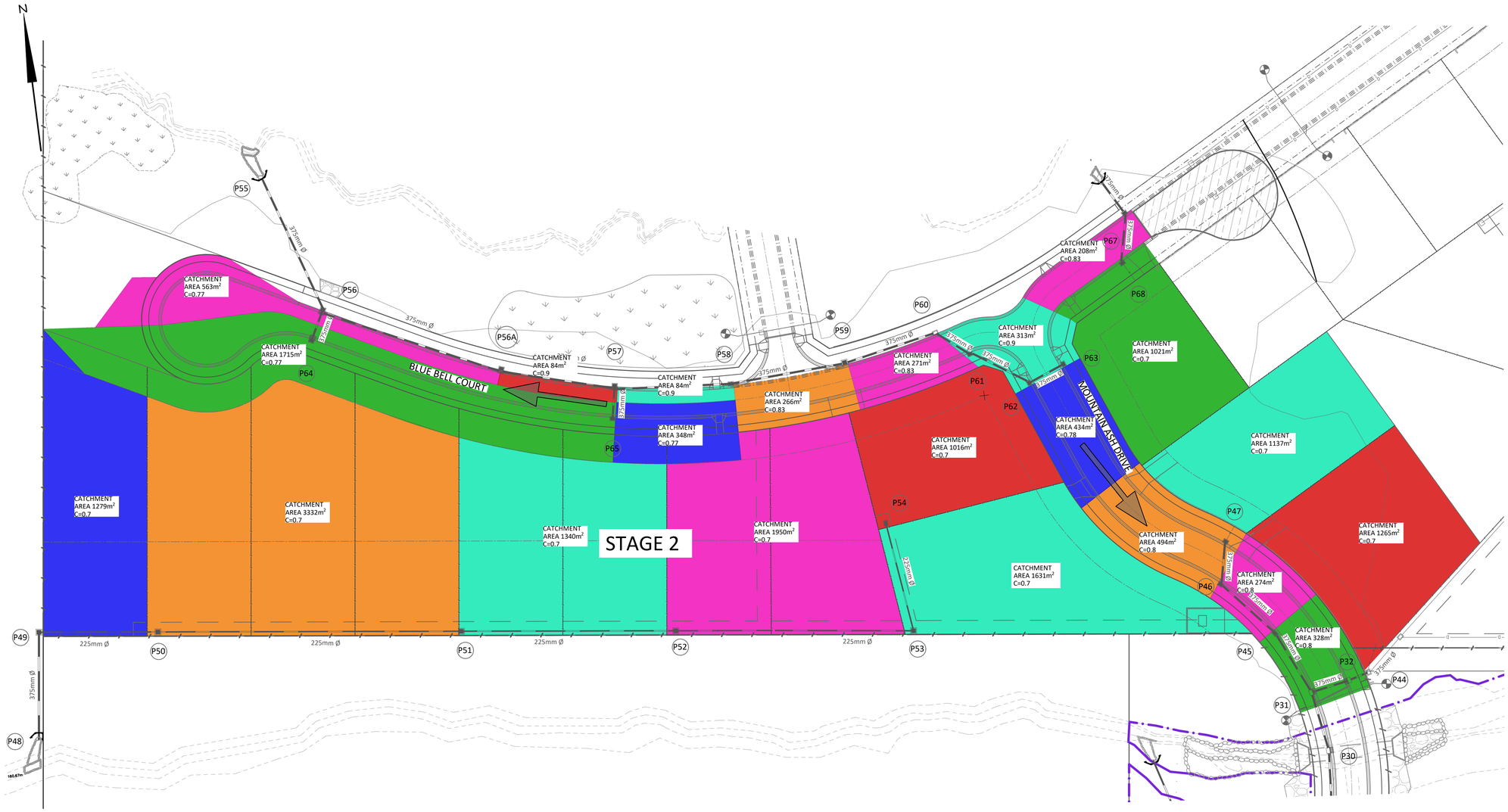
CONCRETE PAVING		TABLE DRAIN	>	WATERMAIN & FITTING	W EX TREE OR SHRUB
ASPHALT OVERLAY		EX DRAIN & PIT		GASMAIN & FITTING	G
FENCE LINE		PROP DRAIN & PIT		PHONE CABLE & PIT	T TREE TO BE REMOVED
EX & PROP LEVELS	E123.45 ; P123.45	SEWER & PIT	S	LIGHT POLE	
EX & PROP CONTOURS	80m 80m	O'HEAD ELEC LINE & POLE	OHE	CENTRE LINE	TBM
HOUSE DRAIN	HD	U'GRND ELEC CABLE & PIT	E	TRAVERSE LINE	

NOTES AND AMENDMENTS

PLANS ISSUE DATE: 15 JULY 2021
REVISION 1 PLANS ISSUE 2 DATE: 13 DECEMBER 2021

CIVIL DESIGN

SURVEY: N.L.S DATE: JUN' 21	66-90 BENA ROAD, KORUMBURRA SUBDIVISION CIVIL WORKS STAGE 2 BLUE BELL COURT - CROSS SECTIONS	
DESIGNED: CD DATE: JUN '21		
CD020 - D - REV(2).dwg	PROJ 020	CONTRACT - ----
CHECKED: DATE:	SCALE: AS SHOWN / DATUM: A.H.D	19 OF 28



LEGEND

OVERLAND FLOW PATH

1% AEP FLOOD EXTENT

EX CONTOURS

PROP CONTOURS

PLAN
SCALE 1:500

SOUTH GIPPSLAND SHIRE COUNCIL
COUNCIL REF - PP2021/366
DATE APPROVED - 28 Feb 2022
APPROVED BY - Geoff Davis
Approved Engineering Plan 20 of 29
Notes- Includes Ausnet Kiosk (Stage1)

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LEGEND

CONCRETE PAVING		TABLE DRAIN	>	WATERMAIN & FITTING	W EX TREE OR SHRUB
ASPHALT OVERLAY		EX DRAIN & PIT		GASMAIN & FITTING	G
FENCE LINE	—/—/—/—/—/—	PROP DRAIN & PIT		PHONE CABLE & PIT	T TREE TO BE REMOVED
EX & PROP LEVELS	E123.45 ; P123.45	SEWER & PIT	S	LIGHT POLE	
EX & PROP CONTOURS	80m 80m	O'HEAD ELEC LINE & POLE	OHE	CENTRE LINE	TBM
HOUSE DRAIN	HD	U'GRND ELEC CABLE & PIT	E	TRAVERSE LINE	

NOTES AND AMENDMENTS

PLANS ISSUE DATE: 15 JULY 2021
REVISION 1 PLANS ISSUE 2 DATE: 13 DECEMBER 2021

CIVIL DESIGN

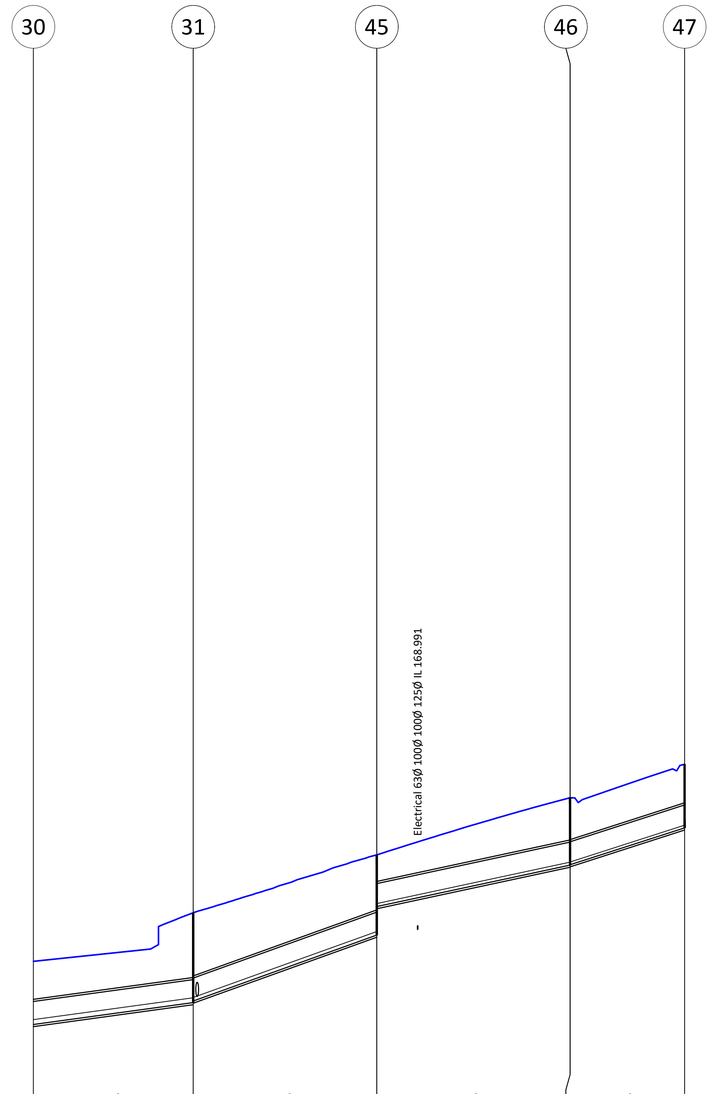
SURVEY: N.L.S
DATE: JUN' 21
DESIGNED: CD
DATE: JUN '21
CD020 - D - REV(2).dwg
CHECKED:
DATE:

66-90 BENA ROAD,
KORUMBURRA
SUBDIVISION CIVIL WORKS STAGE 2
CATCHMENT PLAN

SCALE: 1:500 @ A1
PROJ 020
DATUM: A.H.D
CONTRACT - ----
20 OF 28

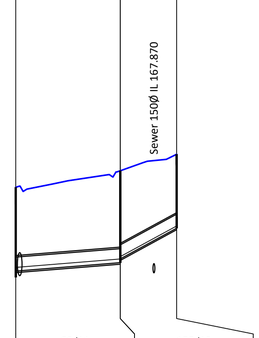
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DRAINAGE PIPES UNDER ROAD PAVEMENT, KERBING, CROSSINGS OR CONCRETE STRUCTURES ARE TO BE BACKFILLED WITH CLASS 2 FCR.



CAPACITY/FLOW (l/s)	290/33	470/19	363/16	445/10	
VELOCITY (m/s)	1.75	2.07	1.64	1.63	
PIPE DETAILS	375Ø Class 2 RRJ	375Ø Class 2 RRJ	375Ø Class 4 RRJ	375Ø Class 4 RRJ	
SLOPE/GRADE	1:36.5	1:13.9	1:23.3	1:15.5	
DATUM RL 164.9					
HGL (20% AEP)	167.529 167.886	167.893 168.970	169.420 170.097	170.099 170.707	
DEPTH TO INVERT	167.443 1.467	1.442 1.309	0.844 1.100	1.094 1.040	
INVERT LEVEL	167.443 167.800	167.825 168.902	169.367 170.044	170.050 170.651	
FINISHED SURFACE	169.267	170.211	171.144	171.691	
EXISTING SURFACE	169.055	169.673	170.473	172.428	
CHAINAGE	0.000 13.046	28.032	43.809	53.153	

PIT 30 - PIT 47 DRAINAGE LONGITUDINAL SECTION
SCALES: HORIZONTAL 1:250 VERTICAL 1:50



CAPACITY/FLOW (l/s)	60/11	155/10	
VELOCITY (m/s)	1.09	2.09	
PIPE DETAILS	225Ø Class 2 RRJ	225Ø Class 2 RRJ	
SLOPE/GRADE	1:62.1	1:9.2	
RL 165.4			
HGL (20% AEP)	167.966 168.104	168.138 168.639	
DEPTH TO INVERT	1.367 1.500	1.438 1.207	
INVERT LEVEL	167.900 168.038	168.099 168.600	
FINISHED SURFACE	169.267 169.537	169.807	
EXISTING SURFACE	169.055 169.327	169.651	
CHAINAGE	0.000 8.333	13.133	

PIT 31 - PIT 44 DRAINAGE LONGITUDINAL SECTION
SCALES: HORIZONTAL 1:250 VERTICAL 1:50

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SOUTH GIPPSLAND SHIRE COUNCIL
COUNCIL REF - PP2021/366
DATE APPROVED - 28 Feb 2022
APPROVED BY - Geoff Davis
Approved Engineering Plan 21 of 29
Notes- Includes Ausnet Kiosk (Stage1)

LEGEND

CONCRETE PAVING	TABLE DRAIN	WATERMAIN & FITTING	EX TREE OR SHRUB
ASPHALT OVERLAY	EX DRAIN & PIT	GASMAIN & FITTING	
FENCE LINE	PROP DRAIN & PIT	PHONE CABLE & PIT	TREE TO BE REMOVED
EX & PROP LEVELS	E123.45 ; P123.45	SEWER & PIT	LIGHT POLE	
EX & PROP CONTOURS	80m 80m	O'HEAD ELEC LINE & POLE	CENTRE LINE	TBM
HOUSE DRAIN	HD	U'GRND ELEC CABLE & PIT	TRAVERSE LINE	

NOTES AND AMENDMENTS

PLANS ISSUE DATE: 15 JULY 2021
REVISION 1 PLANS ISSUE 2 DATE: 13 DECEMBER 2021

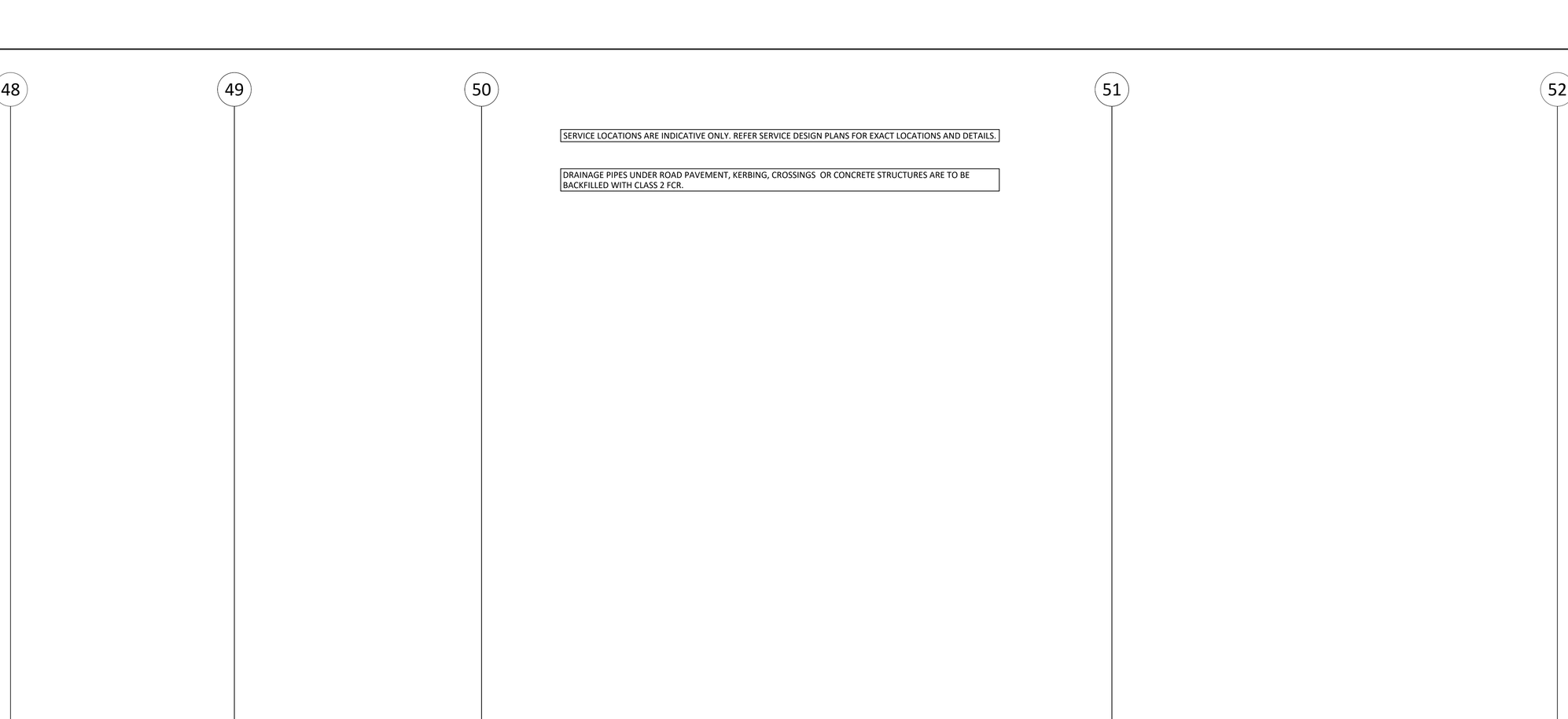
CIVIL DESIGN

SURVEY: N.L.S DATE: JUN' 21	66-90 BENA ROAD, KORUMBURRA SUBDIVISION CIVIL WORKS STAGE 2 DRAINAGE LONGITUDINAL SECTIONS		
DESIGNED: CD DATE: JUN '21			
CD020 - D - REV(2).dwg		PROJ 020	CONTRACT - ----
CHECKED: DATE:	SCALE: AS SHOWN	DATUM: A.H.D	21 OF 28

SERVICE LOCATIONS ARE INDICATIVE ONLY. REFER SERVICE DESIGN PLANS FOR EXACT LOCATIONS AND DETAILS.

DRAINAGE PIPES UNDER ROAD PAVEMENT, KERBING, CROSSINGS OR CONCRETE STRUCTURES ARE TO BE BACKFILLED WITH CLASS 2 FCR.

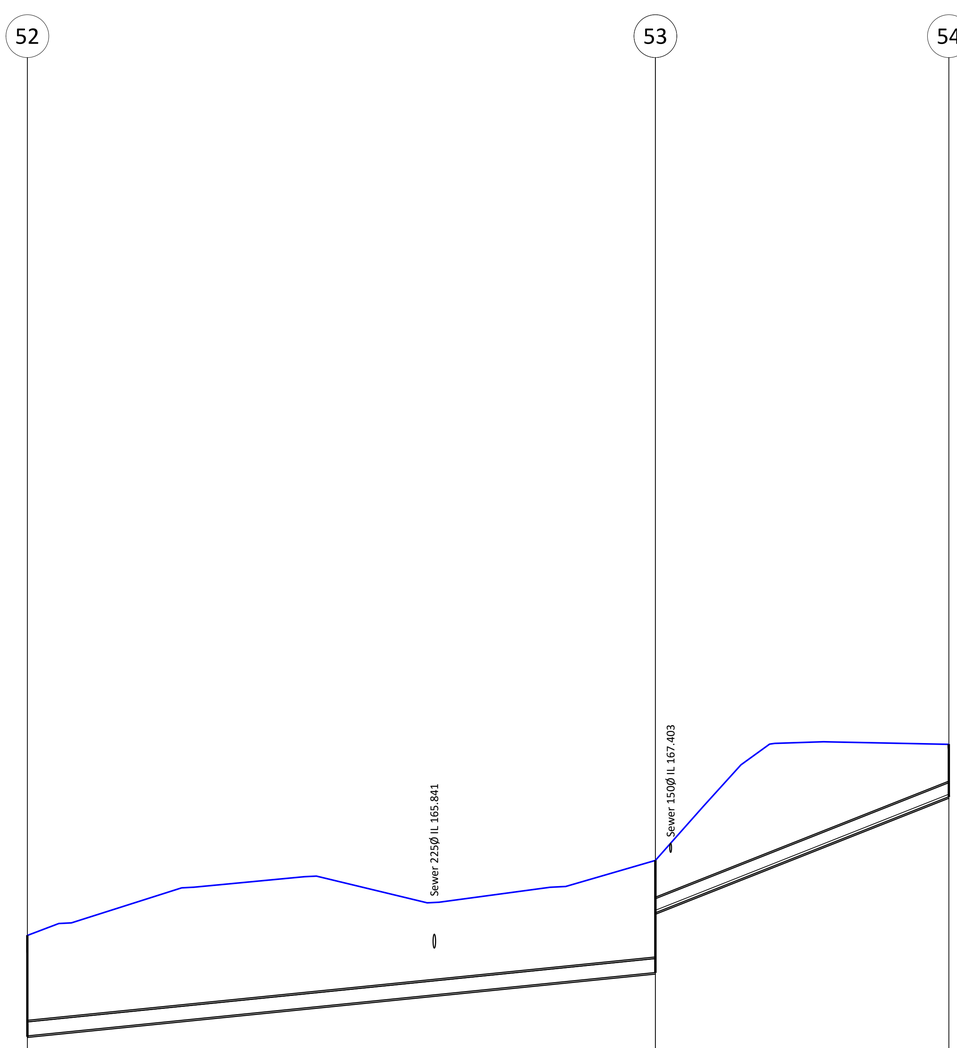
SOUTH GIPPSLAND SHIRE COUNCIL
COUNCIL REF - PP2021/366
DATE APPROVED - 28 Feb 2022
APPROVED BY - Geoff Davis
Approved Engineering Plan 22 of 29
Notes- Includes Ausnet Kiosk (Stage1)



| | | |

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CAPACITY/FLOW (l/s) VELOCITY (m/s)		67/21 1.44	132/10 1.90
PIPE DETAILS SLOPE/GRADE		225Ø Class 2 RRJ 1:49.6	225Ø Class 2 RRJ 1:12.6
DATUM RL 161.9			
HGL (20% AEP)	164.874	165.531	166.461 168.402
DEPTH TO INVERT	1.640	1.830	0.854 0.854
INVERT LEVEL	164.408	165.442	166.418 168.312
FINISHED SURFACE	166.048	167.272	169.166
EXISTING SURFACE	165.693	167.029	168.208
CHAINAGE	160.556	211.819	235.770

PIT 52 - PIT 54 DRAINAGE LONGITUNDINAL SECTION

SCALES: HORIZONTAL 1:250 VERTICAL 1:50

SOUTH GIPPSLAND SHIRE COUNCIL
COUNCIL REF - PP2021/366
DATE APPROVED - 28 Feb 2022
APPROVED BY - Geoff Davis
Approved Engineering Plan 23 of 29
Notes- Includes Ausnet Kiosk (Stage1)

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LEGEND

CONCRETE PAVING
ASPHALT OVERLAY
FENCE LINE
EX & PROP LEVELS — E123.45 ; P123.45
EX & PROP CONTOURS — 80m 80m
HOUSE DRAIN — HD
TABLE DRAIN
EX DRAIN & PIT
PROP DRAIN & PIT
SEWER & PIT — S
O'HEAD ELEC LINE & POLE — OHE
U'GRND ELEC CABLE & PIT — E
WATERMAIN & FITTING
GASMAIN & FITTING
PHONE CABLE & PIT
LIGHT POLE
CENTRE LINE
TRAVERSE LINE
W — EX TREE OR SHRUB
G
T — TREE TO BE REMOVED
TBM

NOTES AND AMENDMENTS

PLANS ISSUE DATE: 15 JULY 2021
REVISION 1 PLANS ISSUE 2 DATE: 13 DECEMBER 2021

CIVIL DESIGN

SURVEY: N.L.S
DATE: JUN' 21
DESIGNED: CD
DATE: JUN '21
CD020 - D - REV(2).dwg
CHECKED:
DATE:

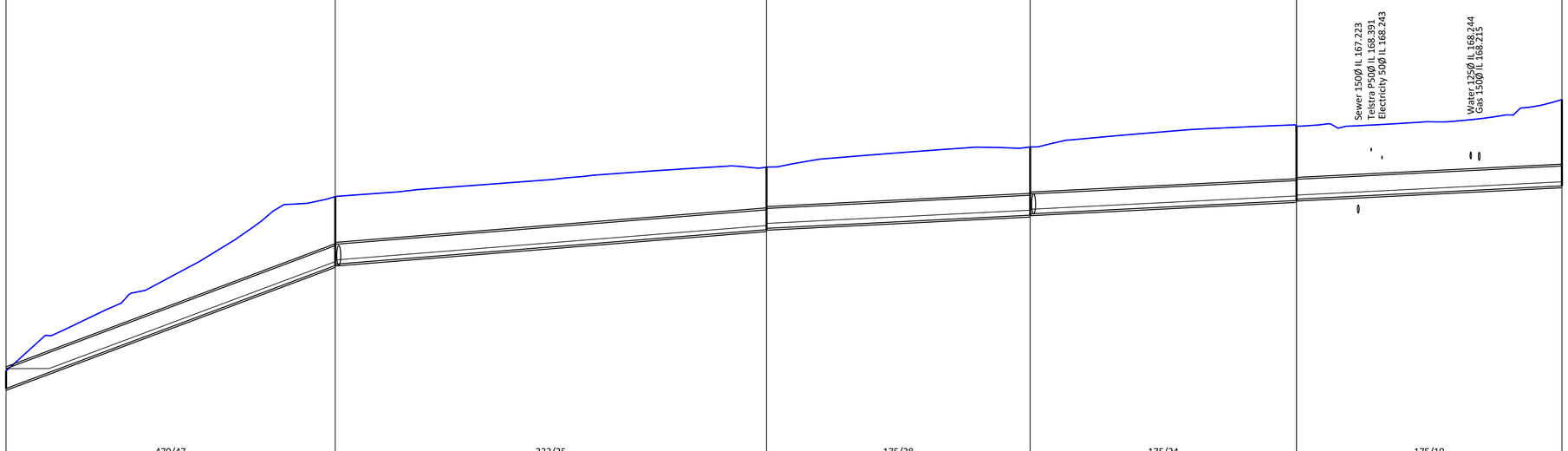
66-90 BENA ROAD,
KORUMBURRA
SUBDIVISION CIVIL WORKS STAGE 2
DRAINAGE LONGITUDINAL SECTIONS

SCALE: AS SHOWN
PROJ 020
DATUM: A.H.D
CONTRACT - ----
---- 23 OF 28

55 | 56 | 56A | 57 | 58 | 59

SERVICE LOCATIONS ARE INDICATIVE ONLY. REFER SERVICE DESIGN PLANS FOR EXACT LOCATIONS AND DETAILS.

DRAINAGE PIPES UNDER ROAD PAVEMENT, KERBING, CROSSINGS OR CONCRETE STRUCTURES ARE TO BE BACKFILLED WITH CLASS 2 FCR.



CAPACITY/FLOW (l/s) VELOCITY (m/s)		479/47 2.76		222/25 1.34	175/28 1.17	175/24 1.11	175/19 1.05
PIPE DETAILS SLOPE/GRADE		375Ø Class 2 RRJ 1:13.4		375Ø Class 2 RRJ 1:62.6	375Ø Class 2 RRJ 1:100.0	375Ø Class 2 RRJ 1:100.0	375Ø Class 2 RRJ 1:100.0
DATUM RL 161.4							
HGL (20% AEP)	164.296	166.315	166.347	166.996	167.037	167.285	167.302	167.553	167.568	167.818
DEPTH TO INVERT	0.330	1.297	1.272	1.177	1.152	1.284	1.259	1.397	1.372	1.626
INVERT LEVEL	163.921	166.236	166.261	166.910	166.935	167.183	167.208	167.459	167.484	167.734
FINISHED SURFACE	164.251	167.533		168.087		168.467		168.856		169.360
EXISTING SURFACE	164.251	167.841		169.014		169.239		168.976		169.357
CHAINAGE	0.000	30.999		71.615		96.435		121.520		146.512

PIT 55 - PIT 59 DRAINAGE LONGITUNDINAL SECTION
SCALES: HORIZONTAL 1:250 VERTICAL 1:50

SOUTH GIPPSLAND SHIRE COUNCIL
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Approved Engineering Plan 24 of 29
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LEGEND

CONCRETE PAVING	TABLE DRAIN	WATERMAIN & FITTING	EX TREE OR SHRUB
ASPHALT OVERLAY	EX DRAIN & PIT	GASMAIN & FITTING	
FENCE LINE	PROP DRAIN & PIT	PHONE CABLE & PIT	TREE TO BE REMOVED
EX & PROP LEVELS	E123.45 ; P123.45	SEWER & PIT	LIGHT POLE	
EX & PROP CONTOURS	80m 80m	O'HEAD ELEC LINE & POLE	CENTRE LINE	TBM
HOUSE DRAIN	HD	U'GRND ELEC CABLE & PIT	TRAVERSE LINE	

NOTES AND AMENDMENTS

PLANS ISSUE DATE: 15 JULY 2021
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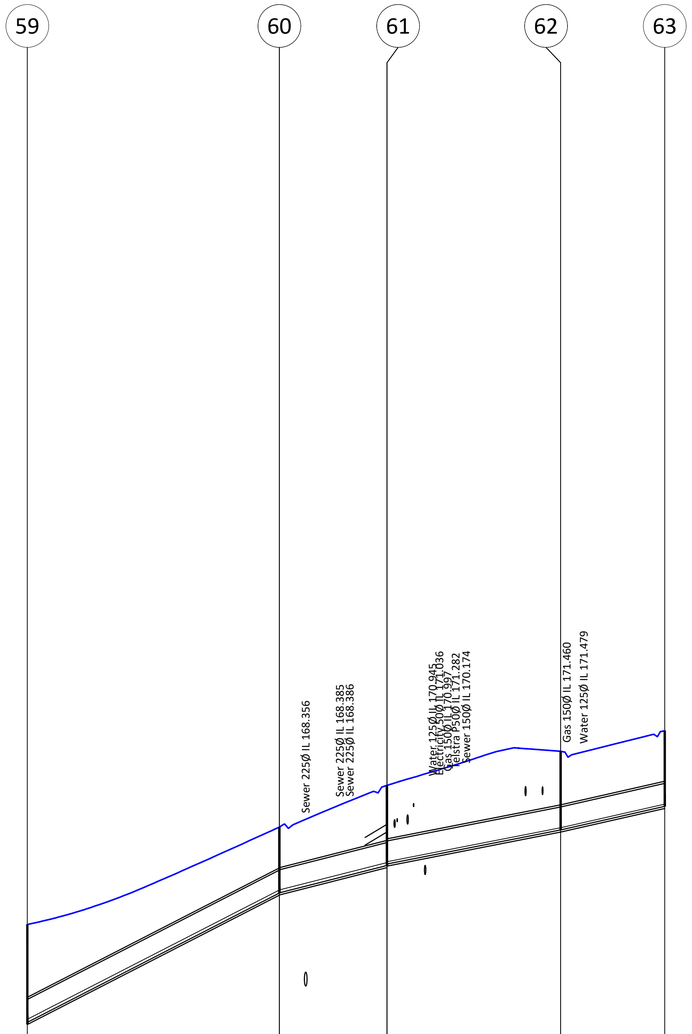
SURVEY: N.L.S
DATE: JUN' 21
DESIGNED: CD
DATE: JUN '21
CD020 - D - REV(2).dwg
CHECKED:
DATE:

66-90 BENA ROAD,
KORUMBURRA
SUBDIVISION CIVIL WORKS STAGE 2
DRAINAGE LONGITUDINAL SECTIONS

SCALE: AS SHOWN
PROJ 020
DATUM: A.H.D
CONTRACT - ----
---- 24 OF 28

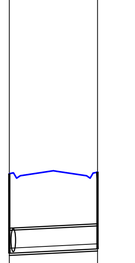
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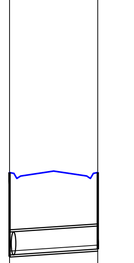
CAPACITY/FLOW (l/s)		562/14	395/8	347/8	0/0
VELOCITY (m/s)		2.15	1.45	1.31	0.00
PIPE DETAILS		375Ø Class 2 RRJ	375Ø Class 2 RRJ	375Ø Class 2 RRJ	375Ø Class 2 RRJ
SLOPE/GRADE		1:9.7	1:19.7	1:25.5	1:22.1
DATUM RL 165.2					
HGL (20% AEP)	167.820	169.931	170.378	170.942	171.328
	169.932		170.387	170.943	
DEPTH TO INVERT	1.598	1.076	1.308	1.284	1.234
	1.072		1.283		
INVERT LEVEL	167.762	169.873	170.323	170.903	171.288
	169.877		170.348		
FINISHED SURFACE	169.360	170.949	171.631	172.187	172.522
EXISTING SURFACE	169.357	170.762	172.094	173.730	174.511
CHAINAGE	146.039	166.610	175.393	189.568	198.068

PIT 59 - PIT 63 DRAINAGE LONGITUDINAL SECTION
SCALES: HORIZONTAL 1:250 VERTICAL 1:50



CAPACITY/FLOW (l/s)		175/14
VELOCITY (m/s)		0.95
PIPE DETAILS		375Ø Class 2 RRJ
SLOPE/GRADE		1:100.0
DATUM RL 163.7		
HGL (20% AEP)	166.328	166.415
DEPTH TO INVERT	1.297	1.255
INVERT LEVEL	166.236	166.308
FINISHED SURFACE	167.533	167.563
EXISTING SURFACE	167.841	168.837
CHAINAGE	0.000	7.201

PIT 56 - PIT 64 DRAINAGE LONGITUDINAL SECTION
SCALES: HORIZONTAL 1:250 VERTICAL 1:50



CAPACITY/FLOW (l/s)		204/5
VELOCITY (m/s)		0.78
PIPE DETAILS		375Ø Class 2 RRJ
SLOPE/GRADE		1:74.1
DATUM RL 164.7		
HGL (20% AEP)	167.280	167.379
DEPTH TO INVERT	1.345	1.249
INVERT LEVEL	167.209	167.306
FINISHED SURFACE	168.554	168.555
EXISTING SURFACE	169.186	169.478
CHAINAGE	0.000	7.199

PIT 57 - PIT 65 DRAINAGE LONGITUDINAL SECTION
SCALES: HORIZONTAL 1:250 VERTICAL 1:50

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SOUTH GIPPSLAND SHIRE COUNCIL
COUNCIL REF - PP2021/366
DATE APPROVED - 28 Feb 2022
APPROVED BY - Geoff Davis
Approved Engineering Plan 25 of 29
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LEGEND

CONCRETE PAVING	TABLE DRAIN	>	WATERMAIN & FITTING	W	EX TREE OR SHRUB
ASPHALT OVERLAY	EX DRAIN & PIT		GASMAIN & FITTING	G	
FENCE LINE	PROP DRAIN & PIT		PHONE CABLE & PIT	T	TREE TO BE REMOVED
EX & PROP LEVELS	E123.45 ; P123.45	S	LIGHT POLE		
EX & PROP CONTOURS	80m 80m O'HEAD ELEC LINE & POLE	OHE	CENTRE LINE		TBM
HOUSE DRAIN	HD U'GRND ELEC CABLE & PIT	E	TRAVERSE LINE		

NOTES AND AMENDMENTS

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REVISION 1 PLANS ISSUE 2 DATE: 13 DECEMBER 2021

CIVIL DESIGN

SURVEY: N.L.S
DATE: JUN' 21
DESIGNED: CD
DATE: JUN '21
CD020 - D - REV(2).dwg
CHECKED:
DATE:

66-90 BENA ROAD,
KORUMBURRA
SUBDIVISION CIVIL WORKS STAGE 2
DRAINAGE LONGITUDINAL SECTIONS

SCALE: AS SHOWN
DATUM: A.H.D
PROJ 020
CONTRACT - ----
25 OF 28

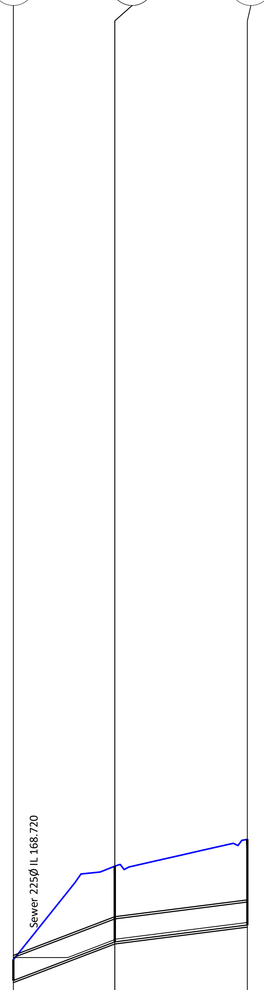
PIT SCHEDULE - STAGE 2

PIT No.	PIT TYPE	PIT WIDTH	PIT LENGTH	OUTLET DIA.	OUTLET IL	INLET DIA.	INLET IL	PIT DEPTH	COVER RL	EASTING	NORTHING	REMARKS
		(mm)	(mm)	(mm)	(m)	(mm)	(m)	(m)	(m)			
30	GRATED SIDE ENTRY PIT	900	1275	-	-	375	167.44	1.03	168.47	395932.662	5745451.029	CONNECT NEW PIPE TO PIT CONSTRUCTED IN STAGE 1.
31	GRATED SIDE ENTRY PIT	900	1275	375	167.80	225 375	167.90 167.83	1.47	169.27	395930.735	5745463.932	CONSTRUCT AS PER IDM STANDARD DRAWING # SD 441, GRATED SIDE ENTRY PIT 900mm INLET WITH CLASS D CAST IRON COVER & CONCRETE SURROUND FOR SM2-M.
32	GRATED SIDE ENTRY PIT	900	1275	225	168.04	225	168.10	1.50	169.54	395939.124	5745465.493	CONSTRUCT AS PER IDM STANDARD DRAWING # SD 441, GRATED SIDE ENTRY PIT 900mm INLET WITH CLASS D CAST IRON COVER & CONCRETE SURROUND FOR SM2-M.
44	JUNCTION PIT	600	900	225	168.60	225	168.63	1.21	169.81	395943.564	5745466.697	CONSTRUCT AS PER IDM STANDARD DRAWING # SD 425, JUNCTION PIT WITH CONCRETE COVER.
45	SIDE ENTRY PIT	600	900	375	168.90	375	169.37	1.31	170.21	395924.605	5745477.607	CONSTRUCT AS PER IDM STANDARD DRAWING # SD 440, SIDE ENTRY PIT 900mm INLET WITH CLASS D CAST IRON COVER & CONCRETE SURROUND FOR SM2-M.
46	SIDE ENTRY PIT	600	900	375	170.04	375	170.05	1.10	171.14	395914.339	5745489.587	CONSTRUCT AS PER IDM STANDARD DRAWING # SD 440, SIDE ENTRY PIT 900mm INLET WITH CLASS D CAST IRON COVER & CONCRETE SURROUND FOR SM2-M.
47	SIDE ENTRY PIT	600	900	375	170.65	-	-	1.04	171.69	395916.662	5745498.638	CONSTRUCT AS PER IDM STANDARD DRAWING # SD 440, SIDE ENTRY PIT 900mm INLET WITH CLASS D CAST IRON COVER & CONCRETE SURROUND FOR SM2-M.
48	OUTLET TO CREEK	-	-	-	-	375	163.25	-	163.51	395657.369	5745489.366	CONSTRUCT AS PER DETAIL DRAWINGS AND MELBOURNE WATER STANDARD DRAWING #7251/08/103, PIPE OUTFALL DETAILS. INSTALL TREATED PINE SAFETY BARRIER AND FENCE AS PER MELBOURNE WATER STANDARD DRAWING #7251/0.8/206.
49	JUNCTION PIT	900	900	375	163.62	225	163.63	2.41	166.03	395660.381	5745512.400	CONSTRUCT AS PER IDM STANDARD DRAWING # SD 425, JUNCTION PIT WITH CONCRETE COVER.
50	JUNCTION PIT	900	900	225	163.76	225	163.76	2.21	165.97	395685.831	5745509.133	CONSTRUCT AS PER IDM STANDARD DRAWING # SD 425, JUNCTION PIT WITH CONCRETE COVER.
51	JUNCTION PIT	900	900	225	164.09	225	164.10	1.62	165.71	395750.727	5745500.800	CONSTRUCT AS PER IDM STANDARD DRAWING # SD 425, JUNCTION PIT WITH CONCRETE COVER.
52	JUNCTION PIT	900	900	225	164.40	225	164.41	1.65	166.05	395796.588	5745494.910	CONSTRUCT AS PER IDM STANDARD DRAWING # SD 425, JUNCTION PIT WITH CONCRETE COVER.
53	JUNCTION PIT	900	900	225	165.44	225	166.42	1.83	167.27	395847.419	5745488.262	CONSTRUCT AS PER IDM STANDARD DRAWING # SD 425, JUNCTION PIT WITH CONCRETE COVER.
54	JUNCTION PIT	600	900	225	168.31	-	-	0.85	169.17	395844.500	5745512.034	CONSTRUCT AS PER IDM STANDARD DRAWING # SD 425, JUNCTION PIT WITH CONCRETE COVER.
55	OUTLET TO CREEK	-	-	-	-	375	163.92	-	164.25	395720.782	5745603.058	CONSTRUCT AS PER DETAIL DRAWINGS AND MELBOURNE WATER STANDARD DRAWING #7251/08/103, PIPE OUTFALL DETAILS. INSTALL TREATED PINE SAFETY BARRIER AND FENCE AS PER MELBOURNE WATER STANDARD DRAWING #7251/0.8/206.
56	GRATED SIDE ENTRY PIT	900	1275	375	166.24	375 375	166.26 166.24	1.30	167.53	395730.108	5745573.495	CONSTRUCT AS PER IDM STANDARD DRAWING # SD 441, GRATED SIDE ENTRY PIT 900mm INLET WITH CLASS D CAST IRON COVER & CONCRETE SURROUND FOR SM2-M.
56A	GRATED SIDE ENTRY PIT	900	1275	375	166.91	375	166.94	1.26	168.17	395766.606	5745555.832	CONSTRUCT AS PER IDM STANDARD DRAWING # SD441, GRATED SIDE ENTRY PIT 900mm INLET WITH CLASS D CAST IRON COVER & CONCRETE SURROUND FOR SM2-M.
57	GRATED SIDE ENTRY PIT	900	1275	375	167.18	375 375	167.21 167.21	1.37	168.55	395790.379	5745549.076	CONSTRUCT AS PER IDM STANDARD DRAWING # SD 441, GRATED SIDE ENTRY PIT 900mm INLET WITH CLASS D CAST IRON COVER & CONCRETE SURROUND FOR SM2-M.
58	SIDE ENTRY PIT	600	900	375	167.46	375	167.48	1.40	168.86	395815.231	5745546.198	CONSTRUCT AS PER IDM STANDARD DRAWING # SD 440, SIDE ENTRY PIT 900mm INLET WITH CLASS D CAST IRON COVER & CONCRETE SURROUND FOR SM2-M.
59	SIDE ENTRY PIT	900	900	375	167.73	375	167.76	1.63	169.36	395840.188	5745547.526	CONSTRUCT AS PER IDM STANDARD DRAWING # SD 440, SIDE ENTRY PIT 900mm INLET WITH CLASS D CAST IRON COVER & CONCRETE SURROUND FOR SM2-M.
60	SIDE ENTRY PIT	600	900	375	169.87	375	169.88	1.08	170.95	395860.396	5745551.369	CONSTRUCT AS PER IDM STANDARD DRAWING # SD 440, SIDE ENTRY PIT 900mm INLET WITH CLASS D CAST IRON COVER & CONCRETE SURROUND FOR SM2-M.
61	SIDE ENTRY PIT	600	900	375	170.32	375	170.35	1.31	171.63	395867.211	5745545.828	CONSTRUCT AS PER IDM STANDARD DRAWING # SD 440, SIDE ENTRY PIT 900mm INLET WITH CLASS D CAST IRON COVER & CONCRETE SURROUND FOR SM2-M.
62	SIDE ENTRY PIT	600	900	375	170.90	375	170.90	1.28	172.19	395879.029	5745538.002	CONSTRUCT AS PER IDM STANDARD DRAWING # SD 440, SIDE ENTRY PIT 900mm INLET WITH CLASS D CAST IRON COVER & CONCRETE SURROUND FOR SM2-M.
63	SIDE ENTRY PIT	600	900	375	171.29	-	-	1.23	172.52	395886.947	5745541.094	CONSTRUCT AS PER IDM STANDARD DRAWING # SD 440, SIDE ENTRY PIT 900mm INLET WITH CLASS D CAST IRON COVER & CONCRETE SURROUND FOR SM2-M.
64	GRATED SIDE ENTRY PIT	900	1275	375	166.31	-	-	1.26	167.56	395726.791	5745567.104	CONSTRUCT AS PER IDM STANDARD DRAWING # SD 441, GRATED SIDE ENTRY PIT 900mm INLET WITH CLASS D CAST IRON COVER & CONCRETE SURROUND FOR SM2-M.
65	SIDE ENTRY PIT	600	900	375	167.31	-	-	1.25	168.55	395789.001	5745542.010	CONSTRUCT AS PER IDM STANDARD DRAWING # SD 440, SIDE ENTRY PIT 900mm INLET WITH CLASS D CAST IRON COVER & CONCRETE SURROUND FOR SM2-M.
66	OUTLET TO CREEK	-	-	-	-	375	169.86	-	170.22	395900.164	5745578.945	CONSTRUCT AS PER DETAIL DRAWINGS AND MELBOURNE WATER STANDARD DRAWING #7251/08/103, PIPE OUTFALL DETAILS. INSTALL TREATED PINE SAFETY BARRIER AND FENCE AS PER MELBOURNE WATER STANDARD DRAWING #7251/0.8/206.
67	SIDE ENTRY PIT	600	900	375	170.49	375	170.49	1.16	171.66	395904.186	5745571.706	CONSTRUCT AS PER IDM STANDARD DRAWING # SD 440, SIDE ENTRY PIT 900mm INLET WITH CLASS D CAST IRON COVER & CONCRETE SURROUND FOR SM2-M.
68	SIDE ENTRY PIT	600	900	375	170.77	-	-	1.40	172.17	395902.363	5745561.045	CONSTRUCT AS PER IDM STANDARD DRAWING # SD 440, SIDE ENTRY PIT 900mm INLET WITH CLASS D CAST IRON COVER & CONCRETE SURROUND FOR SM2-M.

NOTE: SET OUT IS TO CENTRE OF PIT AS PER IDM STANDARD DRAWING # SD 400

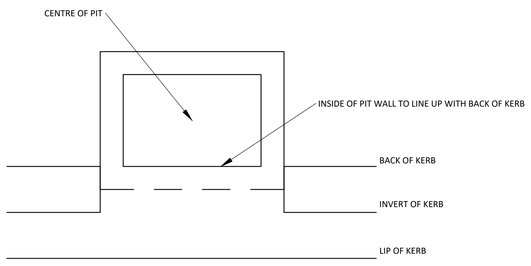
SERVICE LOCATIONS ARE INDICATIVE ONLY.
REFER SERVICE DESIGN PLANS FOR EXACT LOCATIONS AND DETAILS.

DRAINAGE PIPES UNDER ROAD PAVEMENT, KERBING, CROSSINGS OR CONCRETE STRUCTURES ARE TO BE BACKFILLED WITH CLASS 2 FCR.



	66		67		68
CAPACITY/FLOW (l/s) VELOCITY (m/s)		484/12 1.83		280/9 1.14	
PIPE DETAILS SLOPE/GRADE		375ø Class 2 RRJ 1:13.1		375ø Class 2 RRJ 1:39.3	
DATUM RL 167.3					
HGL (20% AEP)	170.237		170.533 170.539		170.819
DEPTH TO INVERT	0.340		1.235		1.398
INVERT LEVEL	169.862		170.493		170.768
FINISHED SURFACE	170.202		171.728		172.166
EXISTING SURFACE	169.803		171.505		173.719
CHAINAGE	0.000		8.281		19.097

PIT 66 - PIT 68 DRAINAGE LONGITUNDINAL SECTION
SCALES: HORIZONTAL 1:250 VERTICAL 1:50



PIT CENTRE PLAN
NOT TO SCALE

DIAL BEFORE YOU DIG
www.1100.com.au
CONTRACTOR MUST DIAL 1100 TO CONFIRM LOCATION OF EXISTING SERVICES AND COMPLY WITH ANY AUTHORITY REQUIREMENTS REGARDING EXISTING SERVICES PRIOR TO COMMENCEMENT OF ANY WORKS.

SOUTH GIPPSLAND SHIRE COUNCIL
COUNCIL REF - PP2021/366
DATE APPROVED - 28 Feb 2022
APPROVED BY - Geoff Davis
Approved Engineering Plan 26 of 29
Notes- Includes Ausnet Kiosk (Stage1)

LEGEND

CONCRETE PAVING
ASPHALT OVERLAY
FENCE LINE
EX & PROP LEVELS — E123.45 ; P123.45
EX & PROP CONTOURS — 80m 80m
HOUSE DRAIN — HD
TABLE DRAIN
EX DRAIN & PIT
PROP DRAIN & PIT
SEWER & PIT — S
O'HEAD ELEC LINE & POLE — OHE
U'GRND ELEC CABLE & PIT — E
WATERMAIN & FITTING — W
GASMAIN & FITTING — G
PHONE CABLE & PIT — T
LIGHT POLE
CENTRE LINE
TRAVERSE LINE
EX TREE OR SHRUB
TREE TO BE REMOVED
TBM

NOTES AND AMENDMENTS

PLANS ISSUE DATE: 15 JULY 2021
REVISION 1 PLANS ISSUE 2 DATE: 13 DECEMBER 2021

CIVIL DESIGN

SURVEY: N.L.S
DATE: JUN' 21
DESIGNED: CD
DATE: JUN '21
CD020 - D - REV(2).dwg
CHECKED:
DATE:

66-90 BENA ROAD,
KORUMBURRA
SUBDIVISION CIVIL WORKS STAGE 2
DRAINAGE LONGITUDINAL SECTIONS & PIT SCHEDULE

SCALE: AS SHOWN
PROJ 020
DATUM: A.H.D
CONTRACT - ----
26
OF
28

MOUNTAIN ASH DRIVE/MANNA GUM COURT CENTRELINE CURVE SETOUT TABLE

CURVE	R(m)	I dd,mm,ss	ARC(m)	T(m)	C/2 (m)	m(m)	d/2(m)	e(m)
#C1 (CH: 179.17 - 245.93)	58.00	65°56'41"	66.755	37.626	31.566	9.342	16.459	2.38
#C2 (CH: 248.14 - 274.73)	41.00	37°9'45"	26.593	13.783	13.065	2.137	6.619	0.54
#C3 (CH: 299.21 - 317.07)	12.35	82°49'59"	17.855	10.894	8.170	3.088	4.367	0.80

BLUE BELL COURT CENTRELINE CURVE SETOUT TABLE

CURVE	R(m)	I dd,mm,ss	ARC(m)	T(m)	C/2 (m)	m(m)	d/2(m)	e(m)
#C1 (CH:21.25 - 28.44)	15.00	27°26'6"	7.182	3.661	3.557	0.428	1.791	0.107
#C2 (CH:55.96 - 178.39)	157.68	44°29'9"	122.426	64.486	59.687	11.733	30.415	2.961
#C3 (CH:178.73 - 183.77)	11.70	24°42'32"	5.046	2.563	2.503	0.271	1.259	0.068

BLUE BELL COURT CUL-DE-SAC CURVE SETOUT TABLE

CURVE	R(m)	I dd,mm,ss	ARC(m)	T(m)	C/2 (m)	m(m)	d/2(m)	e(m)
#C1 (CH:0.00 - 16.34)	15.00	62°24'2"	16.336	9.084	7.770	2.170	4.034	0.553
#C2 (CH:16.34 - 58.22)	9.70	247°14'13"	41.856	14.600	8.078	15.070	8.549	5.118

KERB RETURN 1 LIP OF KERB & CHANNEL CURVE SETOUT TABLE

CURVE	R(m)	I dd,mm,ss	ARC(m)	T(m)	C/2 (m)	m(m)	d/2(m)	e(m)
#C1 (CH:0.00 - 14.86)	9.00	94°37'13"	14.863	9.757	6.615	2.898	3.611	0.756

KERB RETURN 2 LIP OF KERB & CHANNEL CURVE SETOUT TABLE

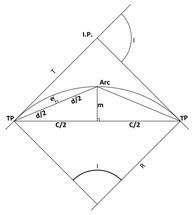
CURVE	R(m)	I dd,mm,ss	ARC(m)	T(m)	C/2 (m)	m(m)	d/2(m)	e(m)
#C1 (CH:0.00 - 14.86)	9.00	94°34'27"	14.856	9.749	6.613	2.895	3.609	0.755

KERB RETURN 3 LIP OF KERB & CHANNEL CURVE SETOUT TABLE

CURVE	R(m)	I dd,mm,ss	ARC(m)	T(m)	C/2 (m)	m(m)	d/2(m)	e(m)
#C1 (CH:0.00 - 13.55)	9.00	85°44'8"	13.467	8.354	6.123	2.404	3.289	0.622

KERB RETURN 4 LIP OF KERB & CHANNEL CURVE SETOUT TABLE

CURVE	R(m)	I dd,mm,ss	ARC(m)	T(m)	C/2 (m)	m(m)	d/2(m)	e(m)
#C1 (CH:0.00 - 9.51)	9.00	60°30'2"	9.503	5.249	4.534	1.225	2.348	0.31
#C2 (CH:9.51 - 16.41)	15.70	25°11'45"	6.904	3.509	3.424	0.378	1.723	0.095



HORIZONTAL CURVE
SET OUT DETAILS
NOT TO SCALE

SET OUT - FOOTPATH 1

CHAINAGE	EASTING	NORTHING	DESIGN LEVEL
0.00	395836.832	5745549.369	168.882
10.00	395846.730	5745550.781	169.508
20.00	395856.513	5745552.842	170.411
30.00	395866.139	5745555.544	171.220
40.00	395875.567	5745558.875	171.698
50.00	395884.754	5745562.819	171.838
60.00	395893.662	5745567.358	171.745
70.00	395902.451	5745572.130	171.645
70.72	395903.086	5745572.475	171.638

SET OUT - MOUNTAIN ASH DRIVE/MANNA GUM COURT - CENTRELINE

CHAINAGE	EASTING	NORTHING	DESIGN LEVEL
200.00	395935.589	5745462.166	169.054
210.00	395932.493	5745471.661	169.635
220.00	395927.813	5745480.485	170.215
240.00	395914.302	5745495.096	171.377
245.93	395909.413	5745498.448	171.721
248.14	395907.527	5745499.604	171.847
260.00	395898.447	5745507.166	172.339
274.73	395890.761	5745519.645	172.507
280.00	395888.846	5745524.549	172.459
298.91	395881.966	5745542.165	172.270
299.49	395881.759	5745542.703	172.264
300.00	395881.594	5745543.188	172.259
317.07	395887.467	5745557.793	172.088
318.17	395888.435	5745558.319	172.077
320.00	395890.043	5745559.192	172.059
340.00	395907.620	5745568.735	171.859
360.00	395925.196	5745578.278	171.659
380.00	395942.772	5745587.821	171.459

SET OUT - BLUE BELL COURT - CENTRELINE

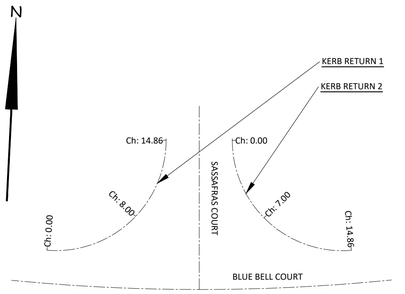
CHAINAGE	EASTING	NORTHING	DESIGN LEVEL
9.71	395704.942	5745574.608	167.812
10.00	395705.235	5745574.608	167.809
20.00	395715.235	5745574.608	167.709
21.25	395716.488	5745574.608	167.697
28.80	395723.721	5745572.754	167.621
30.00	395724.788	5745572.200	167.609
33.53	395727.917	5745570.576	167.574
40.00	395733.663	5745567.593	167.671
50.00	395742.538	5745562.986	167.821
55.96	395747.830	5745560.239	167.911
60.00	395751.437	5745558.424	167.971
70.00	395760.561	5745554.334	168.121
80.00	395769.925	5745550.830	168.271
90.00	395779.492	5745547.927	168.421
100.00	395789.224	5745545.635	168.571
110.00	395799.082	5745543.965	168.721
120.00	395809.026	5745542.924	168.871
160.00	395848.861	5745545.084	170.030
170.00	395858.634	5745547.195	170.842
178.39	395866.714	5745549.440	171.477
180.00	395868.273	5745549.846	171.578
183.77	395872.027	5745549.951	171.786
190.00	395878.200	5745549.123	172.055
192.97	395881.140	5745548.728	172.203

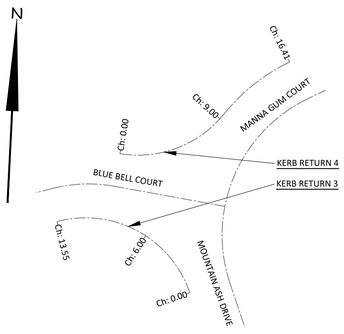
SET OUT - BLUE BELL COURT - CUL-DE-SAC

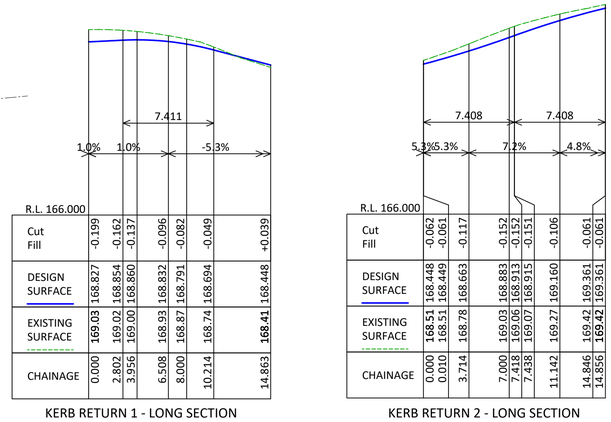
CHAINAGE	EASTING	NORTHING	DESIGN LEVEL
0.00	395726.673	5745568.180	167.493
10.00	395716.961	5745569.603	167.547
16.34	395711.166	5745567.159	167.581
20.00	395707.983	5745565.390	167.601
26.81	395701.317	5745565.604	167.637
30.00	395698.603	5745567.257	167.654
37.28	395695.293	5745573.549	167.682
40.00	395695.376	5745576.260	167.681
47.75	395699.451	5745582.612	167.653
50.00	395701.435	5745583.659	167.644
58.22	395709.403	5745583.229	167.611
60.00	395710.980	5745582.411	167.603
70.00	395719.855	5745577.803	167.563
75.76	395724.965	5745575.151	167.540

SOUTH GIPPSLAND SHIRE COUNCIL
COUNCIL REF - PP2021/366
DATE APPROVED - 28 Feb 2022
APPROVED BY - Geoff Davis
Approved Engineering Plan 27 of 29
Notes- Includes Ausnet Kiosk (Stage1)

SET OUT PLAN
SCALE 1:500







KERB RETURN 1 - LONG SECTION
SCALE H 1:250 V 1:50

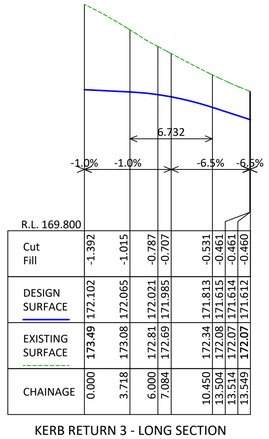
KERB RETURN 2 - LONG SECTION
SCALE H 1:250 V 1:50

SET OUT - KERB RETURN 1 - LIP OF KERB

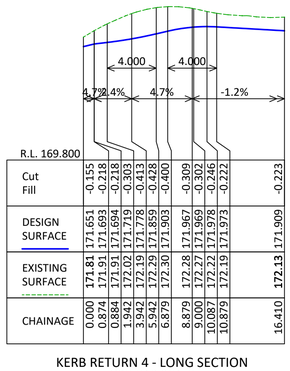
CHAINAGE	EASTING	NORTHING	DESIGN LEVEL
0.00	395815.150	5745545.299	168.827
8.00	395822.248	5745548.384	168.791
14.86	395824.450	5745554.710	168.448

SET OUT - KERB RETURN 2 - LIP OF KERB

CHAINAGE	EASTING	NORTHING	DESIGN LEVEL
0.00	395829.845	5745554.951	168.448
7.00	395832.722	5745548.762	168.883
14.86	395839.967	5745546.439	169.361



KERB RETURN 3 - LONG SECTION
SCALE H 1:250 V 1:50



KERB RETURN 4 - LONG SECTION
SCALE H 1:250 V 1:50

SET OUT - KERB RETURN 3 - LIP OF KERB

CHAINAGE	EASTING	NORTHING	DESIGN LEVEL
0.00	395878.613	5745541.554	172.102
6.00	395874.793	5745546.037	172.021
13.55	395867.510	5745546.860	171.612

SET OUT - KERB RETURN 4 - LIP OF KERB

CHAINAGE	EASTING	NORTHING	DESIGN LEVEL
0.00	395872.387	5745552.627	171.651
9.00	395880.398	5745555.836	171.969
16.41	395885.870	5745560.737	171.909

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CONTRACTOR MUST DIAL 1100 TO CONFIRM LOCATION OF EXISTING SERVICES AND COMPLY WITH ANY AUTHORITY REQUIREMENTS REGARDING EXISTING SERVICES PRIOR TO COMMENCEMENT OF ANY WORKS.

LEGEND

CONCRETE PAVING	TABLE DRAIN	WATERMAIN & FITTING	EX TREE OR SHRUB
ASPHALT OVERLAY	EX DRAIN & PIT	GASMAIN & FITTING	
FENCE LINE	PROP DRAIN & PIT	PHONE CABLE & PIT	TREE TO BE REMOVED
EX & PROP LEVELS	SEWER & PIT	LIGHT POLE	
EX & PROP CONTOURS	O'HEAD ELEC LINE & POLE	CENTRE LINE	TBM
HOUSE DRAIN	U'GRND ELEC CABLE & PIT	TRAVERSE LINE	

E123.45 ; P123.45
80m 80m
HD

NOTES AND AMENDMENTS

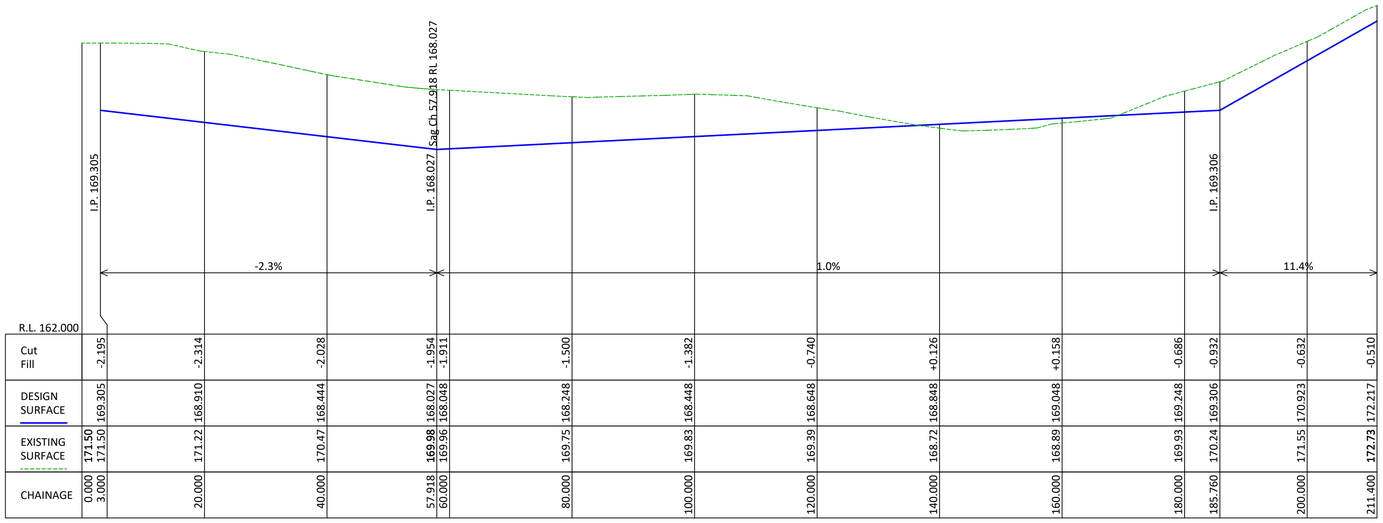
PLANS ISSUE DATE: 15 JULY 2021
REVISION 1 PLANS ISSUE 2 DATE: 13 DECEMBER 2021

CIVIL DESIGN

SURVEY: N.L.S
DATE: JUN' 21
DESIGNED: CD
DATE: JUN '21
CD020 - D - REV(2).dwg
CHECKED:
DATE:

66-90 BENA ROAD,
KORUMBURRA
SUBDIVISION CIVIL WORKS STAGE 2
STAGE 2 - LAYOUT PLAN

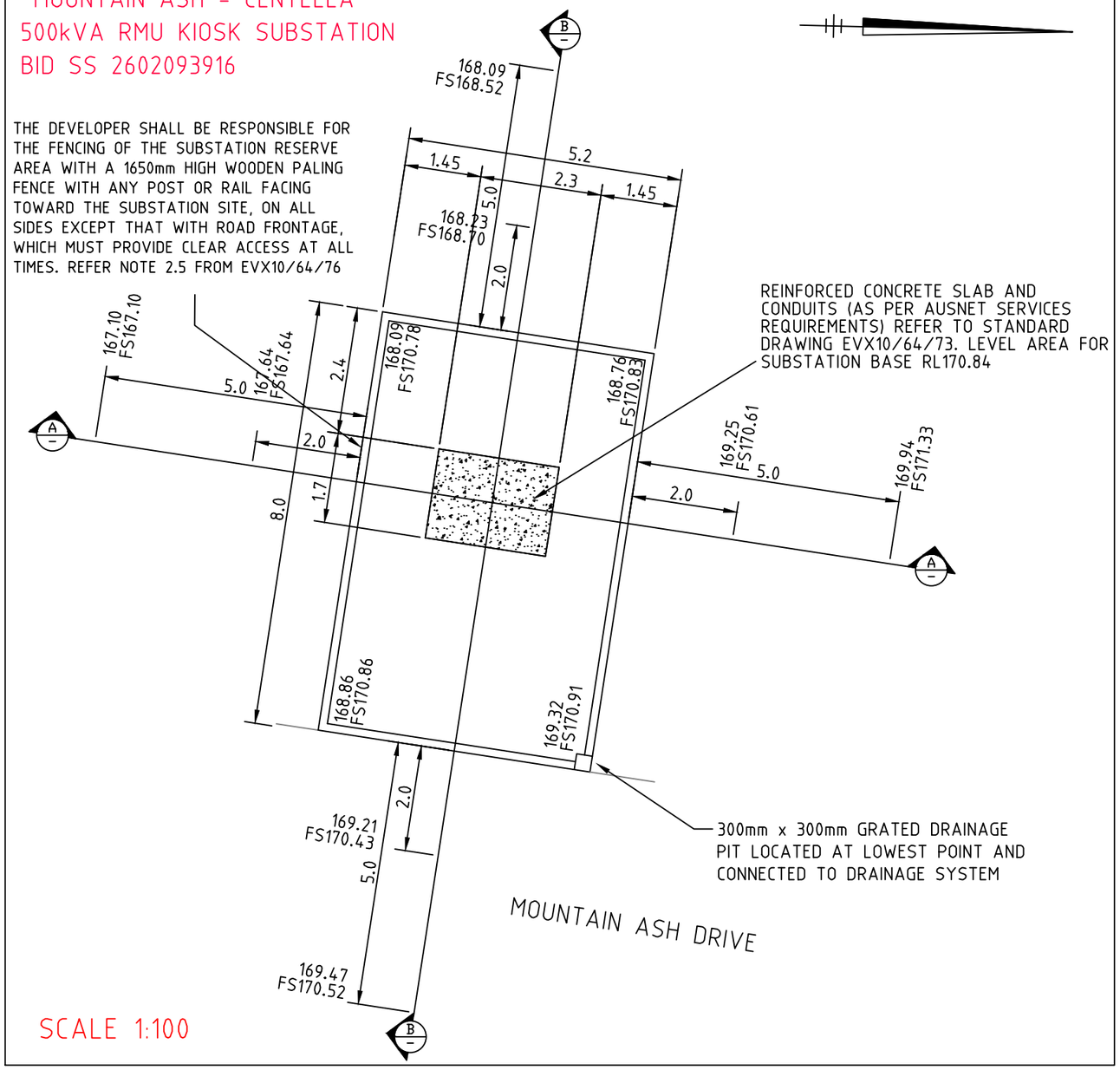
SCALE: AS SHOWN
PROJ 020
DATUM: A.H.D
CONTRACT - ----
27 OF 28


I.P. 169.305
I.P. 168.027
Sag Ch.57.918 RL 168.027
I.P. 169.306
-2.3%
1.0%
11.4%

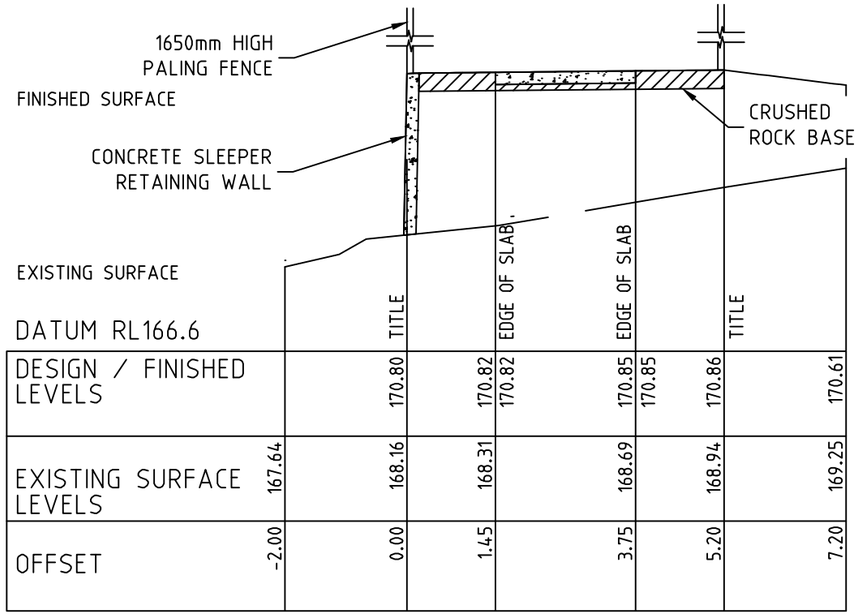
| | | |

"MOUNTAIN ASH - CENTELLA"
500kVA RMU KIOSK SUBSTATION
BID SS 2602093916

THE DEVELOPER SHALL BE RESPONSIBLE FOR THE FENCING OF THE SUBSTATION RESERVE AREA WITH A 1650mm HIGH WOODEN PALING FENCE WITH ANY POST OR RAIL FACING TOWARD THE SUBSTATION SITE, ON ALL SIDES EXCEPT THAT WITH ROAD FRONTAGE, WHICH MUST PROVIDE CLEAR ACCESS AT ALL TIMES. REFER NOTE 2.5 FROM EVX10/64/76

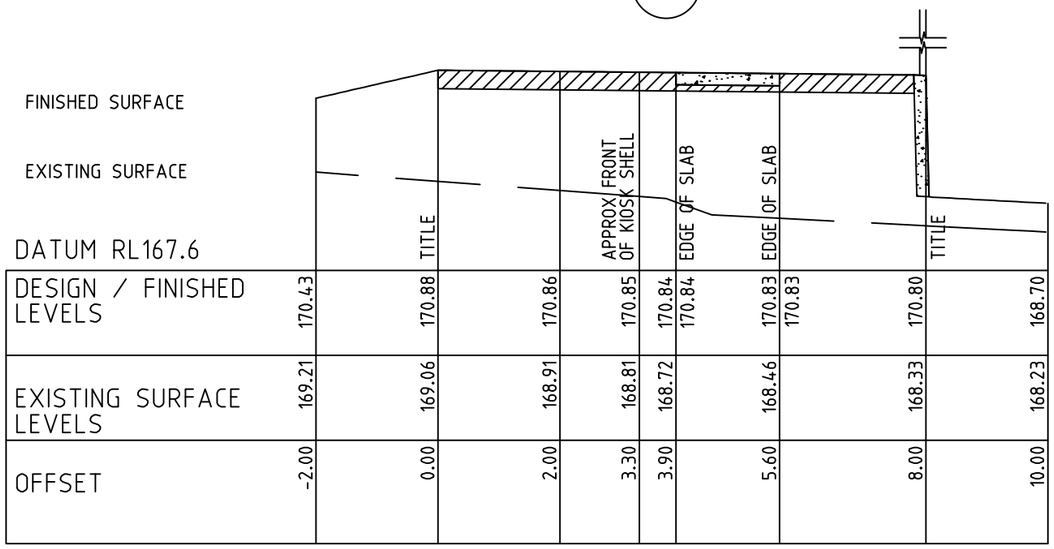


SCALE 1:100



DATUM RL166.6							
DESIGN / FINISHED LEVELS		170.80	170.82	170.82	170.85	170.85	170.86	170.61
EXISTING SURFACE LEVELS	167.64	168.16	168.31		168.69		168.94	169.25
OFFSET	-2.00	0.00	1.45		3.75		5.20	7.20

SECTION A



DATUM RL167.6								
DESIGN / FINISHED LEVELS	170.43	170.88	170.86	170.85	170.84	170.84	170.83	170.83	170.80	168.70
EXISTING SURFACE LEVELS	169.21	169.06	168.91	168.81	168.72		168.46	168.33	168.23
OFFSET	-2.00	0.00	2.00	3.30	3.90		5.60	8.00	10.00

SECTION B

Sections
SCALE 1:100

SOUTH GIPPSLAND SHIRE COUNCIL
COUNCIL REF - PP2021/366
DATE APPROVED - 28 Feb 2022
APPROVED BY - Geoff Davis
Approved Engineering Plan 29 of 29
Notes- Includes Ausnet Kiosk (Stage1)

DESIGN NOTE :

1. DESIGN BY DEVELOPER'S CIVIL ENGINEER
2. RESERVE PREPARED BY THE DEVELOPER.
3. DESIGNED ACCORDING TO STANDARD EVX10/64/73 & EVX10/64/76
4. RESERVE SITE TO BE ABOVE THE 100 YEAR FLOOD LEVEL.
5. ALL CIVIL WORKS TO BE IN ACCORDANCE WITH STANDARD EVX10/64/76.

THE DEVELOPERS CIVIL CONSULTANT MUST CONVEY THE CIVIL CONTRACTOR. THE AUSNET SERVICES CIVIL REQUIREMENTS ARE LISTED IN "CIVIL WORK CONDITIONS FOR UNDERGROUND ELECTRICITY SUPPLY" AND DRAWINGS ASSOCIATED WITH THIS STANDARD.

2 1 0 2 4 6 8 10

SCALE OF METRES (1:100 @ A3 orig.)

REV	DESCRIPTION	(COMPANY) Project No.	DRAWN DATE
1	FIRST OBJECTIVE ISSUE	(MURTEC GROUP) PROJ. 75051864	SM 11.05.21

Surveyor: N/A
Drawn: CIVIL DESIGN (KW) 16/04/21
Survey/Drafting Checked: MURTEC GROUP (SM) 11/05/21
Designed: CIVIL DESIGN (KW) 16/04/21
Endorsed: Freddy Mora 23-06-2021

U/G CABLE PLAN
BOTANICA ESTATE - STAGE 1
MOUNTAIN ASH DRIVE, CENTELLA COURT, BENA ROAD
KORUMBURRA

Project Manager: FREDDY MORA
Project Manager PH: 9237 4566
ORIGINAL Scale: 1:100
VicRoads/Melway: VicRoads 709 M9
Legacy No
Drawing No VK5-0335678-002
Rev 1.0

CADD File Name: G:\Current Projects\MG489 - 66-88 Bena Rd, Korumburra\Approved Plans\Stage
Date Plotted: 30/06/2021 VK5-0335678-002 (1).dwg
A3 - 283 x 400

[UNCONTROLLED WHEN PRINTED]

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AutoCAD A3