CIVIL WORKS

CARDINIA SHIRE COUNCIL

415 PRINCES HIGHWAY, OFFICER VIC 3809

HILLSTOWE ESTATE, STAGE 4

TAYLORS
Urban Development | Infrastructure
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CAD REF
01177-04-E-000

GENERAL NOTES

1. THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH EDCM GUIDELINES, CARDINIA SHIRE COUNCIL SPECIFICATIONS AND STANDARD DRAWINGS. WORKS SHALL BE CARRIED OUT TO THE SATISFACTION OF THE SUPERINTENDENT OR HIS/HER REPRESENTATIVE.

2. THE COUNCIL AND ALL SERVICE AUTHORITIES SHOULD BE NOTIFIED BY THE CONTRACTOR, IN WRITING, SEVEN DAYS PRIOR TO COMMENCEMENT OF THE WORKS. ALL EXISTING SERVICES IN THE VICINITY OF THE WORKS ARE TO BE LOCATED PRIOR TO COMMENCEMENT.

3. THE CONTRACTOR SHALL ENSURE THAT NO POLLUTANT OR SEDIMENT LADEN RUNOFF IS DISCHARGED DIRECTLY OR INDIRECTLY INTO ANY DRAINS OR WATER COURSES AND THAT WORKS CONFORM TO THE ENVIRONMENTAL MANAGEMENT PLAN.

4. RUNOFF FROM AREAS ON WHICH EARTHWORKS ARE CARRIED OUT MUST BE COLLECTED AND TREATED TO THE SATISFACTION OF THE RESPONSIBLE AUTHORITY BY THE USE OF OPEN DRAINS, FILTRATION TRAPS AND RETARDING BASINS IN THE PERIOD BETWEEN THE COMMENCEMENT OF CONSTRUCTION WORKS AND THE END OF THE MAINTENANCE PERIOD IN ACCORDANCE WITH THE ENVIRONMENT MANAGEMENT PLAN FOR THE SUBDIVISION CONSTRUCTION WORKS.

5. THE CONTRACTOR SHALL COMPLY WITH ALL OCCUPATIONAL HEALTH AND SAFETY PROCEDURES AND REQUIREMENTS.

6. AT LEAST 3 DAYS BEFORE COMMENCING EXCAVATION OF TRENCHES IN EXCESS OF 1.5m DEPTH, A COMPLETED "NOTICE OF INTENTION TO COMMENCE TRENCHING OPERATIONS" FORM SHALL BE SENT TO WORKSAFE VICTORIA. THE NOMINATED SUPERVISOR SHALL BE SUITABLY QUALIFIED IN ACCORDANCE THE VICTORIAN OHS ACT 1985 & COMMONWEALTH OHS CODE OF PRACTICE 2008.

7. THE CONTRACTOR SHALL ERECT AND MAINTAIN ALL SHORING, PLANKING AND STRUTTING, DEWATERING DEVICES, BARRICADES, SIGNS, LIGHTS, ETC., NECESSARY TO KEEP WORKS IN A SAFE AND STABLE CONDITION AND FOR THE PROTECTION OF THE PUBLIC.

8. ALL TREES AND SHRUBS ARE TO BE RETAINED UNLESS APPROVAL IS GIVEN BY COUNCIL'S LANDSCAPE OFFICER OR REMOVAL HAS BEEN GRANTED IN A PLANNING PERMIT.

9. DISPOSAL OF EXCESS SPOIL:- TRUCK ROUTE AND DISPOSAL LOCATION SHALL BE APPROVED BY THE SUPERINTENDENT.

10. ALL AREAS SHOWN ON THE DRAWINGS TO BE CUT OR FILLED ARE TO BE STRIPPED OF TOPSOIL TO A DEPTH AS SPECIFIED IN GEOTECH SITE GEOTECHNICAL REPORT R7120. UPON COMPLETION OF THE BULK EARTHWORKS, THE TOPSOIL IS TO BE SPREAD TO A DEPTH OF 100mm OVER THE AREA AND GRADED TO FINISHED LEVELS SHOWN ON THE DRAWINGS AND TO THE SATISFACTION OF THE SUPERINTENDENT. ALL FILLING ON LOTS IN EXCESS OF 200mm IS TO BE CARRIED OUT IN ACCORDANCE WITH A.S 3798 APPENDIX B, SECTION B2(A) 'LEVEL 1'. AT COMPLETION, THE CONTRACTOR SHALL PRESENT A SOIL REPORT FROM A N.A.T.A TESTING AUTHORITY, NOMINATING THE EXTENT OF FILL AND IT'S CONFORMANCE WITH THE SPECIFICATION. FILLING TO BE CARRIED OUT USING APPROVED MATERIAL. TOPSOIL AND ALL VEGETABLE MATERIAL TO BE STRIPPED FROM FILL SITE PRIOR TO ANY PLACEMENT OF MATERIAL. ALL FILLING IS TO BE COMPACTED IN 150mm. MAX. DEPTH LAYERS TO 95% OF AS1289.5.1.1 (STANDARD COMPACTION).

11. ALL STORMWATER DRAINS ARE TO BE CLASS '2' RC OR FRC PIPES UNLESS OTHERWISE SHOWN. ALL RC PIPES UP TO AND INCLUDING 750mm DIA. ARE TO BE RUBBER RING JOINTED, INTERLOCKING / FLUSH JOINTS WITH EXTERNAL BANDS MAY BE USED ON PIPES OVER 750mm DIA. WITH APPROVAL FROM CARDINIA SHIRE COUNCIL.

12. TELECOMM. CONDUITS AND CABLE DUCTS WILL BE LAID IN TRENCHES EXCAVATED AND BACKFILLED BY THE CONTRACTOR. THE CONTRACTOR SHALL GIVE THE TELECOMM. AUTHORITY AREA ENGINEER 7 DAYS NOTICE PRIOR TO COMMENCING WORK.

13. 100mm DIAMETER AGRICULTURAL DRAINS TO BE CONSTRUCTED BEHIND ALL KERB AND CHANNEL IN ACCORDANCE WITH EDCM 202 AND LAID WITH CLEARANCE TO ALL SERVICE CONDUITS.

14. WHERE DRAINAGE PIPES ARE LAID ON A CURVE THE BUILDING LINE IS TO BE PEGGED AT 15m INTERVALS.

15. THE REINSTATEMENT AND COMPACTION OF SERVICE AUTHORITY TRENCHES SHALL BE THE CONTRACTOR'S RESPONSIBILITY.

16. ALL P.S.M.s SHALL BE HIGH STABILITY TYPE AND LEVELLED BY A LICENSED SURVEYOR AND THE P.S.M. DATA SHALL BE FORWARDED TO COUNCIL.

17. ALL CONDUIT ENDS SHALL BE PLUGGED WITH DRAW WIRE AS APPROPRIATE.

18. ALL DRAINAGE TRENCHES WITHIN 5.0m OF ANY TREE TO BE RETAINED SHALL BE THRUST BORED OR HAND DUG.

19. FILL MATERIAL UNDER ROAD PAVEMENT SHALL BE APPROVED MATERIAL AND CONSTRUCTED IN LAYERS OF 150mm THICKNESS WITH COMPACTION ACHIEVING 98% (STANDARD COMPACTION) AT THE EQUILIBRIUM MOISTURE CONTENT OR -1% TO +3% OF THE OPTIMUM.

20. ALL LINEMARKING AND SIGNAGE SHALL BE IN ACCORDANCE WITH AS1742.1 AND AS1742.2. LONG LIFE PAINT SHALL BE USED FOR LINEMARKING.

21. ALL ELECTRICITY CONDUITS ARE TO BE A MINIMUM 63mm DIAMETER. ALL TELSTRA CONDUITS ARE TO BE A MINIMUM 100mm DIAMETER. REFER TO ELECTRICAL AND TELECOMMUNICATION PLANS FOR DETAILS.

22. THE CONTRACTOR SHALL NOTE THE EXISTENCE OF TELECOMMUNICATIONS, GAS POWER, WATER AND ANY OTHER SERVICES IN THE AREA PRIOR TO TENDERING / CONSTRUCTION.

23. ANY DISTURBANCE TO EXISTING INFRASTRUCTURE DUE TO CONSTRUCTION WORKS SHALL BE RECTIFIED AT THE CONTRACTOR'S EXPENSE.

24. ALL NATURE STRIPS AND BATTERS SHALL BE COVERED WITH 100mm MIN. DEPTH TOPSOIL AND SEEDED WITH AN APPROVED SEED AND FERTILIZER MIXTURE AS PER EDCM GUIDELINES.

25.
    a. CONDUITS UNDER FOOTPATHS TO BE 450mm DEEP EXTENDING 250mm EITHER SIDE OF THE PATH. THE FOOTPATH ABOVE THE CONDUITS SHALL BE MARKED WITH TWO CONTRACTION JOINTS OVER THE CONDUITS 400mm APART.
    b. CONDUITS SHALL BE REFERENCED ON BOTH FOOTPATH AND KERB & CHANNEL.
    c. CONDUITS INSTALLED UNDER ROAD PAVEMENTS SHALL EXTEND 1 METRE INSIDE THE ALLOTMENTS WHERE FOOTPATH IS PROPOSED.
    d. GAS TO BE 50mm DIA. CLASS 12 PVC & WATER CONDUIT TO BE DN100 SINGLE CONDUIT CONTAINING BOTH DW & NDW SERVICES LAID IN ACCORDANCE WITH WSA 03-2011-3.1 AND DRAWING MRWA-W-202 & MRWA-W-110.

27. UPON COMPLETION OF THE WORKS THE WHOLE SITE SHALL BE CLEANED AND ALL RUBBISH REMOVED, LOTS ARE TO BE GRADED EVENLY AND THE SITE LEFT IN A CLEAN AND TIDY CONDITION TO THE SATISFACTION OF THE SUPERINTENDENT.

28. NO TOPSOIL SHALL BE REMOVED FROM THE SITE.
29. INSPECTIONS SHALL BE ARRANGED A MINIMUM OF 24 HOURS BEFORE WITH COUNCILS ASSETS ENGINEER.

30. STREET SIGNS SHALL BE MANUFACTURED IN ACCORDANCE WITH CARDINIA SHIRE COUNCIL STANDARDS INCLUDING LOGO AND TO COMPRISE TWO FINGER BOARDS.

31. 24 HOURS NOTICE IS REQUIRED FOR INSPECTION AT THE FOLLOWING HOLD POINTS:

- PRIOR TO COMMENCEMENT OF THE WORKS.
- INSPECTION OF THE SUBGRADE.
- INSPECTION DURING DRAINAGE WORKS.
- INSPECTION PRIOR TO POURING OF PITS.
- INSPECTION OF SUB SOIL DRAINAGE.
- INSPECTION OF KERB AND CHANNEL BEDDING.
- INSPECTION PRIOR TO ANY CONCRETE WORKS.
- INSPECTION AND TESTING OF EACH PAVEMENT LAYER (BY DEVELOPER OR CONTRACTOR) PRIOR TO PLACING ANY SUBSEQUENT PAVEMENT LAYER. COMPACTION TEST RESULTS SHALL BE ISSUED TO COUNCIL.
- INSPECTION PRIOR TO SEALING AND ASPHALT WORKS.

32. COUNCIL WILL NOT ACCEPT ANY RESPONSIBILITY FOR WORKS WHERE AN INSPECTION IS NOT UNDERTAKEN WITH A COUNCIL APPOINTED REPRESENTATIVE.

33. ALL DIMENSIONS ARE IN METRES AND RADII TO LIP OF KERB UNLESS OTHERWISE SHOWN.

34. LEVELS ARE TO A.H.D. AND TAKEN FROM LEVEL PLANS BY TAYLORS DEVELOPMENT STRATEGISTS. SETOUT CO-ORDINATES ARE BASED ON MGA ZONE 55.

35. PITS SHALL BE LOCATED USING OFFSETS AND CO-ORDINATES SHOWN ON DRAWINGS.

36. ALL DRAINS BENEATH ROAD PAVEMENT, PATHS, DRIVEWAYS AND PARALLEL TO KERB SHALL BE BACKFILLED WITH 20mm CLASS 2 F.C.R. ALL BACKFILLING TO BE COMPACTED TO 98% OF AS1289.5.1.1 (STANDARD COMPACTION). DRAINS BEHIND THE BACK OF KERB SHALL BE BACKFILLED USING SELECT FILL. COMPACTION OF THE DRAINAGE LINE SHALL BE 95% STANDARD COMPACTION TO AS1289.5.1.1 AND ALL TEST RESULTS SHALL BE SUBMITTED TO COUNCIL.

37. HOUSE DRAINS SHALL GENERALLY BE PLACED 5.5m FROM THE LOW CORNER OF THE LOT, AS PER EDCM 701 AND PROPERTY INLETS 1.0m FROM AND 0.6m BELOW THE LOW CORNER OF THE LOT, UNLESS OTHERWISE SHOWN.

38. HOUSE NUMBERS TO BE STENCILED ON THE FACE OF KERB IN 100mm HIGH LETTERS.

39. EXISTING OPEN CHANNELS TO BE EXCAVATED TO A FIRM BASE AND BACKFILLED IN ACCORDANCE WITH NOTE 10. CONSULTING ENGINEER TO BE NOTIFIED WHEN THE OPEN CHANNELS HAVE BEEN EXCAVATED TO A FIRM BASE. NO FILLING IS TO BE PLACED PRIOR TO BASE BEING INSPECTED AND LEVELS TAKEN. BACKFILLING IS TO BE CARRIED OUT TO THE SATISFACTION OF THE SUPERINTENDENT.

40. ALL PAVEMENT MATERIALS ARE TO BE APPROVED BY CARDINIA SHIRE COUNCIL.

41. ALL PAVEMENTS ARE TO BE TESTED FOR ADEQUATE COMPACTION AND APPROVED PRIOR TO CONTINUING WORKS.

42. PRIOR TO THE ISSUE OF A STATEMENT OF COMPLIANCE, ALL NEWLY CONSTRUCTED ROADS, FOOTPATHS AND DRAINAGE ASSETS ARE TO BE RECORDED UNDER THE "D-SPEC" & "R-SPEC" SYSTEM AS SETOUT IN THE EDCM GUIDELINES AND THE RESULTS PROVIDED TO CARDINIA SHIRE COUNCIL.

43. NO FILL OR EXCAVATED MATERIAL FOR OR FROM THIS DEVELOPMENT IS TO BE CARTED/HAULED INTO OR FROM THE SITE, WITHOUT FIRST OBTAINING THE FURTHER WRITTEN CONSENT FROM COUNCIL'S ENGINEERING DEPARTMENT AT LEAST SEVEN (7) DAYS PRIOR TO THE CARTAGE/HAULAGE WORKS COMMENCING, TO THE SATISFACTION OF THE RESPONSIBLE AUTHORITY.

44. ALL EARTHWORKS MUST BE UNDERTAKEN IN A MANNER THAT MINIMISES SOIL EROSION, AND ANY EXPOSED AREAS OF SOIL MUST BE STABILISED TO PREVENT SOIL EROSION TO THE SATISFACTION OF THE RESPONSIBLE AUTHORITY.

45. EROSION MUST BE CONTROLLED DURING CONSTRUCTION IN ACCORDANCE WITH THE ENVIRONMENT PROTECTION AUTHORITY GUIDELINE TG208/90. CONTRACTOR TO PROVIDE SITE EMP.

46. ALL VEGETATION THAT IS REMOVED AND DISPOSED OF MUST:

    a. NOT CAUSE DAMAGE TO VEGETATION STANDS TO BE RETAINED.
    b. HAVE REGARD TO THE LOCAL LAW WHEN BURNING VEGETATION.

47. NATIVE VEGETATION REMOVAL TO BE LIMITED TO THE SPECIFIC PLANTS IDENTIFIED AS PART OF THE PLANNING PERMIT. NO ADDITIONAL NATIVE PLANTS, OUTSIDE OF THOSE SPECIFIED IN THE PLANNING PERMIT, ARE TO BE REMOVED.

48. NO POLLUTED AND/OR SEDIMENT LADEN RUNOFF IS TO BE DISCHARGED, DIRECTLY OR INDIRECTLY, INTO MELBOURNE WATER'S DRAINS OR WATERCOURSES.

49. BEFORE THE VEGETATION REMOVAL STARTS, THE BOUNDARIES OF ALL VEGETATION TO BE REMOVED AND RETAINED MUST BE CLEARLY MARKED WITH TEMPORARY FENCING, TO THE SATISFACTION OF THE RESPONSIBLE AUTHORITY. THE REMOVAL MUST BE IN ACCORDANCE WITH THE ENDORSED PLAN.

50. PRIOR TO FELLING, TREES IDENTIFIED FOR REMOVAL MUST BE EXAMINED FOR THE PRESENCE OF FAUNA, INCLUDING THOSE USING EXTERNAL NESTS (e.g COMMON RINGTAIL POSSUMS, BIRDS NESTS) AND TREE HOLLOWS. IF NATIVE FAUNA SPECIES ARE LOCATED, THEY ARE TO BE SALVAGED AND RELOCATED IN ACCORDANCE WITH ALL RELATIVE LEGISLATION AND APPROVALS, FURTHER TO CONSULTATION WITH THE DEPARTMENT OF SUSTAINABILITY AND ENVIRONMENT.

51. ALL VEHICLES, EARTHMOVING EQUIPMENT AND OTHER MACHINERY MUST BE CLEARED OF SOIL AND PLANT MATERIAL BEFORE ENTERING AND LEAVING THE SITE, TO PREVENT THE SPREAD OF WEEDS AND PATHOGENS

52. DRIVEWAYS TO BE EXCAVATED INTO ALLOTMENTS AT A MAXIMUM GRADE OF 1 IN 6 WHERE BATTERS EXCEED 600mm.

53. DRIVEWAY LAYBACK AND WINGS ARE TO BE CONSTRUCTED AS A SINGLE SEGMENT OF CONCRETE.

54. ALL NBN PITS ARE TO BE CLEAR OF PATHS AND DRIVEWAYS.

55. CONTRACTOR TO PROVIDE CCTV TESTING ON ALL CONSTRUCTED DRAINAGE LINES AND TO BE APPROVED BY COUNCIL PRIOR TO THE ISSUE OF STATEMENT OF COMPLIANCE.

56. ALL RESIDENTIAL AND HEAVY DUTY DRIVEWAYS TO BE CONSTRUCTED ACCORDING TO EDCM STANDARD DRAWINGS.

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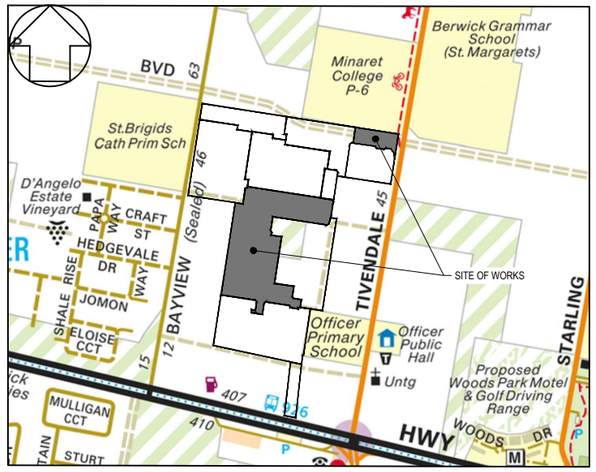

LOCALITY PLAN

MELWAYS REF MAP 214 H3
N.T.S.

SERVICE OFFSET TABLE

STREET	GAS		RECYCLED WATER (NDW)		POTABLE WATER (DW)		TELECOMS		ELECTRICAL CABLES		SEWER	
	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET
EVERFAIR CRESCENT (LOTS 418-426 & 401)	EAST	2.10m	EAST	2.50m	EAST	3.10m	WEST	1.00m	WEST	2.60m	WEST EAST	1.80m (EXISTING) 1.00m
TARKINE STREET	EAST	2.10m	EAST	2.50m	EAST	3.10m	WEST	1.00m	WEST	2.60m	WEST EAST	1.80m (EXISTING) 1.00m
EVERFAIR CRESCENT (LOTS 412-418 & 434-437)	NORTH	2.10m	NORTH	2.50m	NORTH	3.10m	EAST	1.80m	EAST	2.60m	NORTH SOUTH	1.00m 1.00m
CLEARFELL STREET (LOTS 403-412)	WEST	2.10m	WEST	2.50m	WEST	3.10m	EAST	1.80m	EAST	2.60m	WEST EAST	1.00m 1.00m
CLEARFELL STREET (LOTS 401-403)	SOUTH	2.10m	SOUTH	2.50m	SOUTH	3.10m	NORTH	1.00m	NORTH	0.50m	SOUTH	1.00m
KIELDER STREET	EAST	2.10m	EAST	2.50m	EAST	3.10m	WEST	1.80m	WEST	2.60m	-	-
SAWMILLER STREET	EAST	2.10m	EAST	2.50m	EAST	3.10m	WEST	1.80m	WEST	2.60m	WEST	1.00m
GONDWANA STREET	EAST	2.10m	EAST	2.50m	EAST	3.10m	WEST	1.80m	WEST	2.60m	-	-
APPLEBUSH WALK	SOUTH	1.85m	SOUTH	2.25m	SOUTH	2.75m	SOUTH	3.35m	SOUTH	3.75m	-	-
TIMBERTOP BOULEVARD	SOUTH	2.10m	SOUTH	2.50m	SOUTH	3.10m	NORTH	1.80m	NORTH	2.60m	-	-

DIAL BEFORE YOU DIG www.1100.com.au

WARNING

BEWARE OF UNDERGROUND SERVICES

THE LOCATIONS OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVED ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN. A MOCS ENQUIRY ON 1100 MUST BE MADE BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF WORKS.

WARNING

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE SETOUT INFORMATION PROVIDED ON THIS PLAN WITH THE DESIGN INTENT WHICH INCLUDES, BUT IS NOT LIMITED TO ITEMS SUCH AS LENGTHS, CO-ORDINATES, SETOUT DIMENSIONS AND PEGGED TITLES BY THE PRINCIPAL'S LICENSED SURVEYOR.

PRELIMINARY
NOT FOR CONSTRUCTION

VER	DATE	REVISION	APPD.
A	18/09/2020	PRELIMINARY ISSUE	LOD

Coords: MGA Levels: AHD

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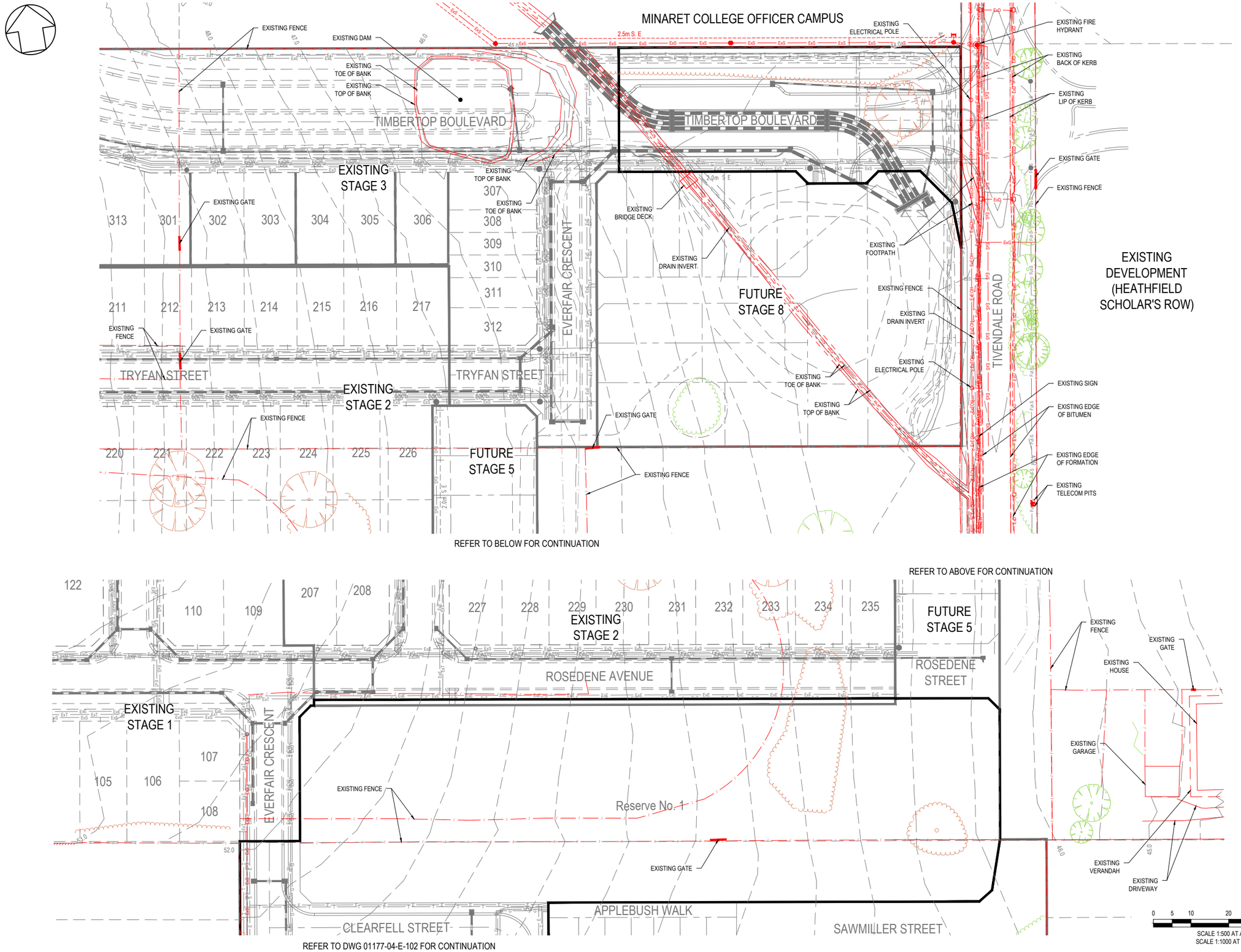
CHECKED:	ADK	AUTH. DATE:	18/09/2020	CAD REF:	01177-04-E-100

CARDINIA SHIRE COUNCIL

415 PRINCES HIGHWAY, OFFICER VIC 3809
HILLSTOWE ESTATE, STAGE 4

GENERAL NOTES, LOCALITY PLAN, DRAWING INDEX & SERVICE OFFSET TABLE

SCALE AS SHOWN @ A1
VERSION A
SHEET 1 OF 53
DRAWING No. 01177-04-E-100



NOTES:

1. ALL EXISTING SERVICES UNDER NEW PAVEMENTS, PATHS AND VEHICLE CROSSINGS TO BE BACKFILLED WITH FCR.
2. ALL EXISTING PITS AND MANHOLES WITHIN NEW WORKS TO BE ADJUSTED TO NEATLY MATCH NEW FINISHED SURFACE.
3. ALL EXISTING SEWER PROPERTY BRANCHES AND HOUSE DRAINS DAMAGED BY WORKS TO BE REPLACED BY CONTRACTOR.
4. ALL EXISTING OPEN DRAINS TO BE DRAINED, DESLUDGED AND BACKFILLED TO LEVEL 1 REQUIREMENTS.

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0 5 10 20 30 40

SCALE 1:500 AT A1 SIZE
SCALE 1:1000 AT A3 SIZE

PRELIMINARY
NOT FOR CONSTRUCTION

VER	DATE	REVISION	APPD.
A	18/09/2020	PRELIMINARY ISSUE	LOD

EXISTING GAS MAIN — ExG	TREE TO BE RETAINED	EXISTING TOP OF BANK
EXISTING WATER MAIN — ExW	TREE TO BE REMOVED	EXISTING TOE OF BANK
EXISTING ELECTRICITY CABLE — ExE — POLE — E	EXISTING FENCE	EXISTING EASEMENT
EXISTING TELCO CABLE & PIT — ExT	EXISTING EDGE OF BITUMEN	EXISTING DRAIN INVERT
EXISTING SEWER MAIN & M.H. — ExS	EXISTING EDGE OF FORMATION	EXISTING GATE
EXISTING DRAIN — ExD	EXISTING BACK OF KERB	EXISTING SIGN
EXISTING OVERHEAD CABLE — ExOH	EXISTING LIP OF KERB	

LEGEND

Coords: MGA Levels: AHD

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DESIGNED:	LOD	AUTHORISED:	JOY	DRAFTED:	WGO
CHECKED:	ADK	AUTH. DATE:	18/09/2020	CAD REF:	01177-04-E-101-103

CARDINIA SHIRE COUNCIL

415 PRINCES HIGHWAY, OFFICER VIC 3809
HILLSTOWE ESTATE, STAGE 4

EXISTING FEATURES PLAN
SHEET 1 OF 3

SCALE	1:500 @ A1
VERSION	A
SHEET	2 OF 53
DRAWING No.	01177-04-E-101

REFER TO DWG 01177-04-E-101 FOR CONTINUATION

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3. ALL EXISTING SEWER PROPERTY BRANCHES AND HOUSE DRAINS DAMAGED BY WORKS TO BE REPLACED BY CONTRACTOR.
4. ALL EXISTING OPEN DRAINS TO BE DRAINED, DESLUDGED AND BACKFILLED TO LEVEL 1 REQUIREMENTS.

REFER TO BOTTOM LEFT FOR CONTINUATION

CLEARFELL STREET
APPLEBUSH WALK
SAWMILLER STREET
EVERFAIR CRESCENT
NEVIS WAY
CLEARFELL STREET
SAWMILLER STREET
SAWMILLER STREET
EVERFAIR CRESCENT
EVERFAIR CRESCENT
EVERFAIR CRESCENT
KIELDER STREET
GONDWANA STREET
TARKINE STREET
TARKINE STREET
TARKINE STREET

401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437

FUTURE STAGE 5
FUTURE STAGE 7
FUTURE STAGE 7
EXISTING DEVELOPMENT
EXISTING DEVELOPMENT
OFFICE PRIMARY S

Reserve No. 2
Res No

3.0m S. & D. E.
2.0m S. E.
2.0m D. E.
16.0m D. E.

EXISTING FENCE
EXISTING TOP OF BANK
EXISTING TOE OF BANK
EXISTING DAM
EXISTING ELECTRICAL PIT
EXISTING TELECOM PIT
EXISTING LIGHT POLE
EXISTING LIP OF KERB
EXISTING BACK OF KERB
EXISTING EDGE OF CONCRETE

51.0 50.0 49.0 48.0 47.0 46.0 45.0 44.0 43.0 42.0 41.0

REFER TO TOP RIGHT FOR CONTINUATION

REFER TO DWG 01177-04-E-103 FOR CONTINUATION

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WARNING

BEWARE OF UNDERGROUND SERVICES

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0 5 10 20 30 40

SCALE 1:500 AT A1 SIZE
SCALE 1:1000 AT A3 SIZE

PRELIMINARY
NOT FOR CONSTRUCTION

VER	DATE	REVISION	APPD.
A	18/09/2020	PRELIMINARY ISSUE	LOD

LEGEND

EXISTING SEWER MAIN & M.H. — ExS	PROPOSED GAS MAIN — G — G	TREE TO BE RETAINED
EXISTING FENCE — / — /	PROPOSED WATER MAIN — W	TREE TO BE REMOVED
EXISTING TOP OF BANK	PROPOSED NON-DRINKING WATER — NDW	
EXISTING TOE OF BANK	PROPOSED ELECTRICITY CABLE — E	
EXISTING BACK OF KERB	PROPOSED TELCO CABLE — T — T	
EXISTING LIP OF KERB	PROPOSED SEWER MAIN & M.H. — S	
	PROPOSED DRAIN, PIT & PROPERTY INLET	

Coords: MGA Levels: AHD

TAYLORS
Urban Development | Infrastructure
8 / 270 Ferntree Gully Road, Notting Hill, Victoria, 3168
Tel: 61 3 9501 2800 | Web: taylorsds.com.au

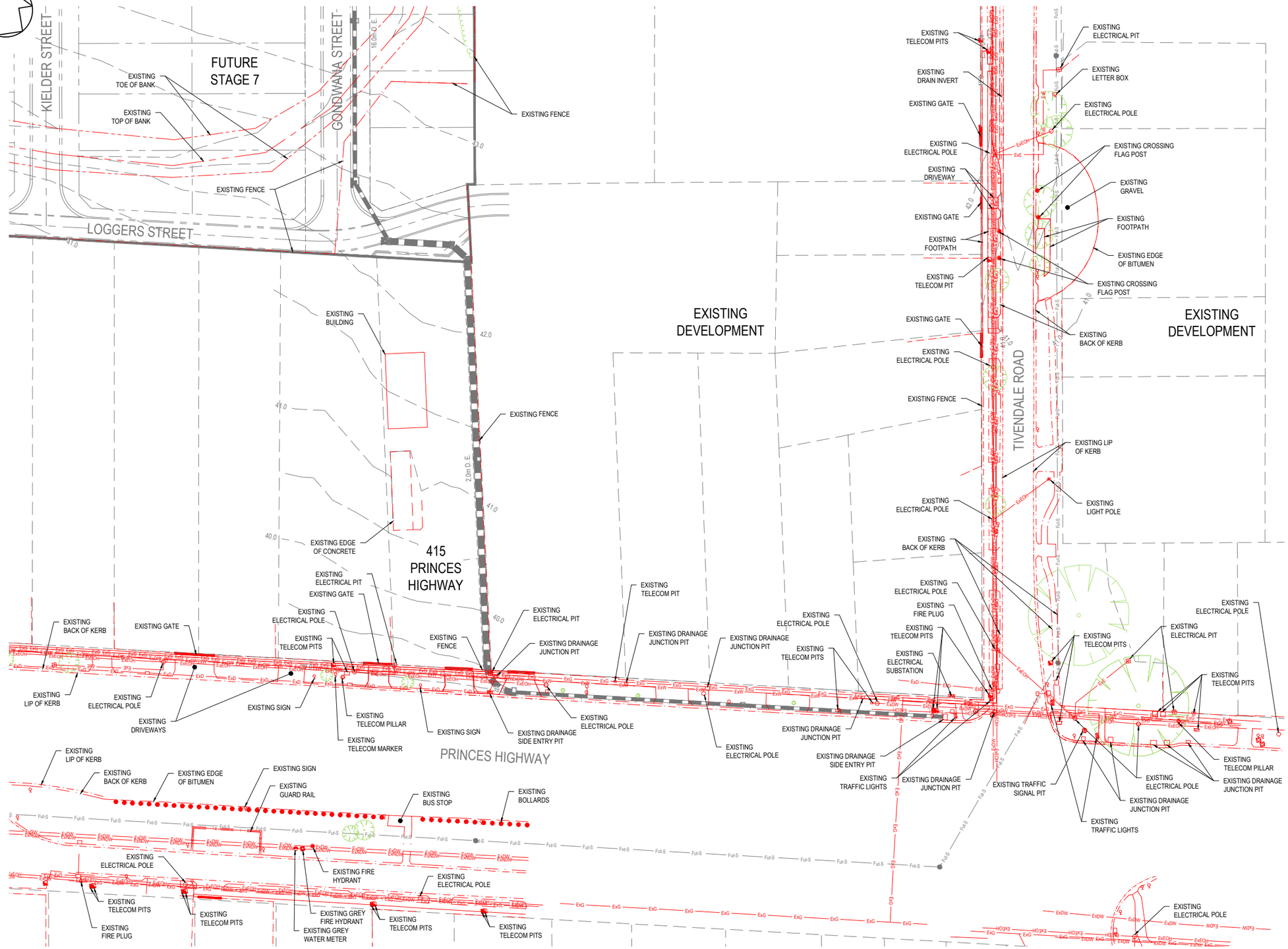
DESIGNED:	LOD	AUTHORISED:	JOY	DRAFTED:	WGO
CHECKED:	ADK	AUTH. DATE:	18/09/2020	CAD REF:	01177-04-E-101-103

CARDINIA SHIRE COUNCIL

415 PRINCES HIGHWAY, OFFICER VIC 3809
HILLSTOWE ESTATE, STAGE 4

EXISTING FEATURES PLAN
SHEET 2 OF 3

SCALE	1:500 @ A1
VERSION	A
SHEET	3 OF 53
DRAWING No.	01177-04-E-102



NOTES:

1. ALL EXISTING SERVICES UNDER NEW PAVEMENTS, PATHS AND VEHICLE CROSSINGS TO BE BACKFILLED WITH FCR.
2. ALL EXISTING PITS AND MANHOLES WITHIN NEW WORKS TO BE ADJUSTED TO NEATLY MATCH NEW FINISHED SURFACE.
3. ALL EXISTING SEWER PROPERTY BRANCHES AND HOUSE DRAINS DAMAGED BY WORKS TO BE REPLACED BY CONTRACTOR.
4. ALL EXISTING OPEN DRAINS TO BE DRAINED, DESLUDGED AND BACKFILLED TO LEVEL 1 REQUIREMENTS.

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0 5 10 20 30 40

SCALE 1:500 AT A1 SIZE
SCALE 1:1000 AT A3 SIZE

PRELIMINARY
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VER	DATE	REVISION	APPD.
A	18/09/2020	PRELIMINARY ISSUE	LOD

EXISTING GAS MAIN — ExG	TREE TO BE RETAINED	EXISTING TOP OF BANK
EXISTING WATER MAIN — ExW	TREE TO BE REMOVED	EXISTING TOE OF BANK
EXISTING ELECTRICITY CABLE — ExE — POLE — E	EXISTING FENCE	EXISTING DRAIN INVERT
EXISTING TELCO CABLE & PIT — ExT	EXISTING EDGE OF BITUMEN	EXISTING GATE
EXISTING SEWER MAIN & M.H. — ExS	EXISTING EDGE OF FORMATION	EXISTING SIGN
EXISTING DRAIN — ExD	EXISTING BACK OF KERB	PROPOSED DRAIN & PIT
EXISTING OVERHEAD CABLE — ExEOH	EXISTING LIP OF KERB	

LEGEND

Coords: MGA Levels: AHD

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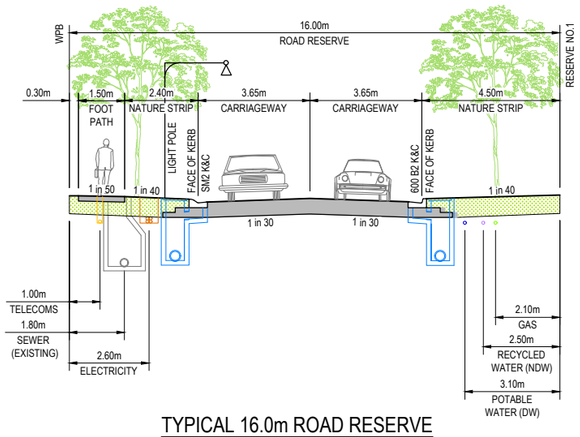
CARDINIA SHIRE COUNCIL

415 PRINCES HIGHWAY, OFFICER VIC 3809
HILLSTOWE ESTATE, STAGE 4

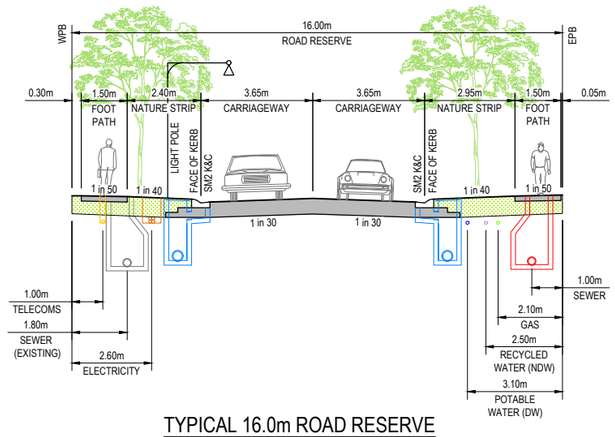
EXISTING FEATURES PLAN
SHEET 3 OF 3

SCALE	1:500 @ A1
VERSION	A
SHEET	4 OF 53
DRAWING No.	01177-04-E-103



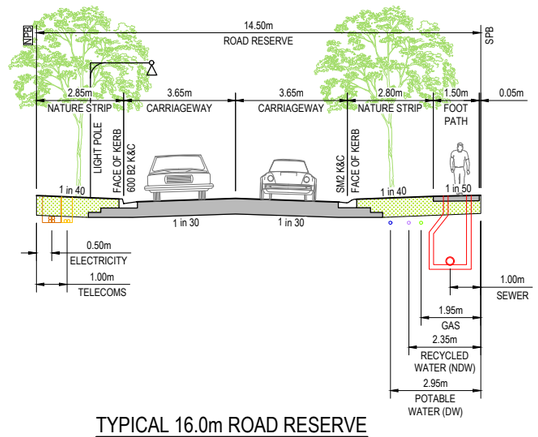
TYPICAL 16.0m ROAD RESERVE

EVERFAIR CRESENT (ADJ RESERVE NO.1)
SCALE 1:100 @ A1



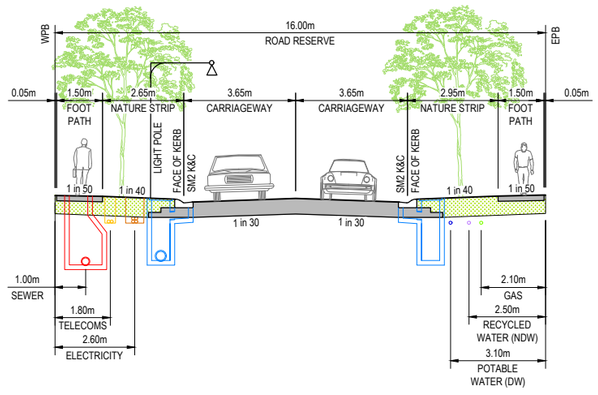
TYPICAL 16.0m ROAD RESERVE

EVERFAIR CRESENT (LOTS 418-426 & 401) /
TARKINE STREET
SCALE 1:100 @ A1



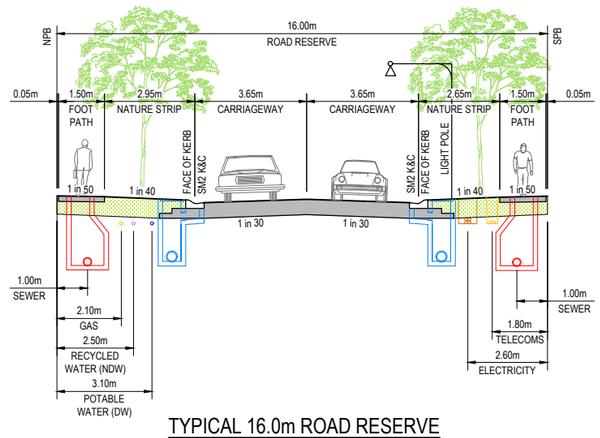
TYPICAL 16.0m ROAD RESERVE

CLEARFELL STREET (LOTS 401-403)
SCALE 1:100 @ A1



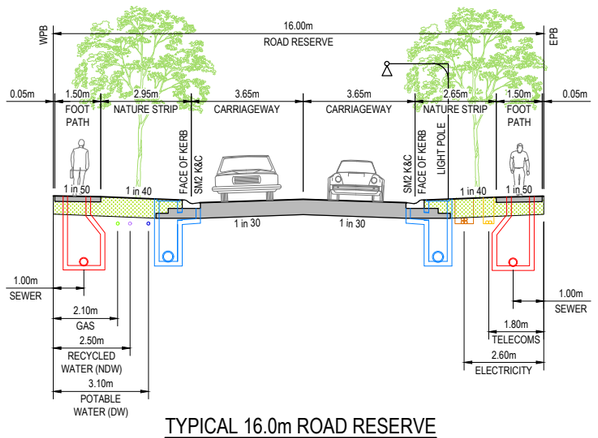
TYPICAL 16.0m ROAD RESERVE

SAWMILLER STREET
SCALE 1:100 @ A1



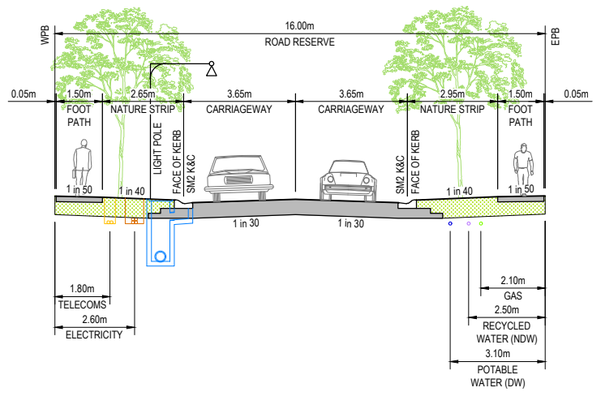
TYPICAL 16.0m ROAD RESERVE

EVERFAIR CRESENT (LOTS 412-418 & 434-437)
SCALE 1:100 @ A1



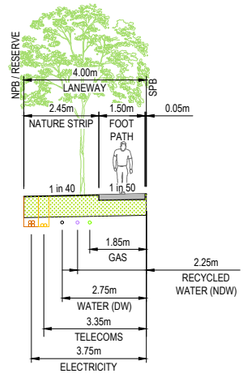
TYPICAL 16.0m ROAD RESERVE

CLEARFELL STREET (LOTS 403-412)
SCALE 1:100 @ A1



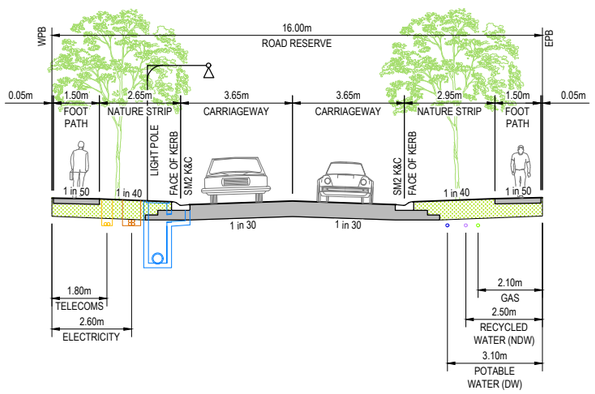
TYPICAL 16.0m ROAD RESERVE

KIELDER STREET
SCALE 1:100 @ A1



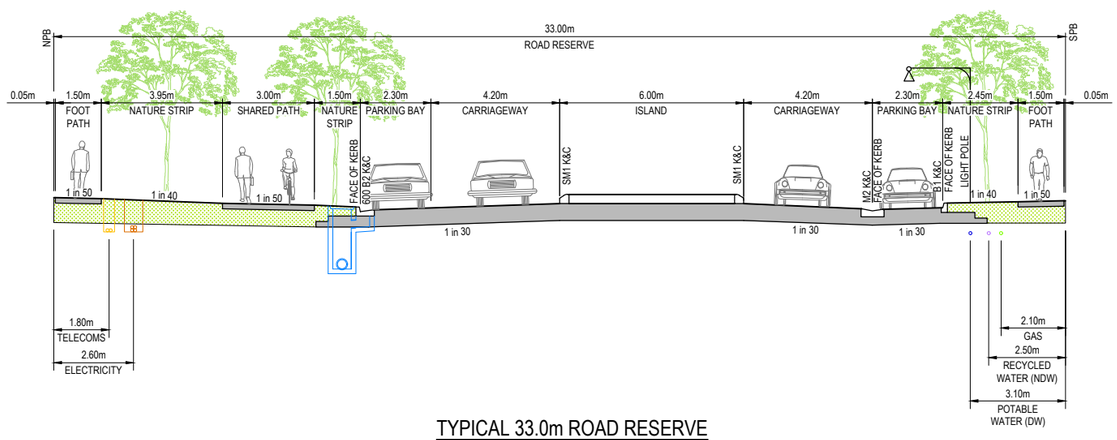
TYPICAL 4.0m LANEWAY

APPLEBUSH WALK
SCALE 1:100 @ A1



TYPICAL 16.0m ROAD RESERVE

GONDWANA STREET
SCALE 1:100 @ A1



TYPICAL 33.0m ROAD RESERVE

TIMBERTOP BOULEVARD
SCALE 1:100

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0 1 2 4 6 8

SCALE 1:100 AT A1 SIZE
SCALE 1:200 AT A3 SIZE

PRELIMINARY
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Coords: MGA Levels: AHD

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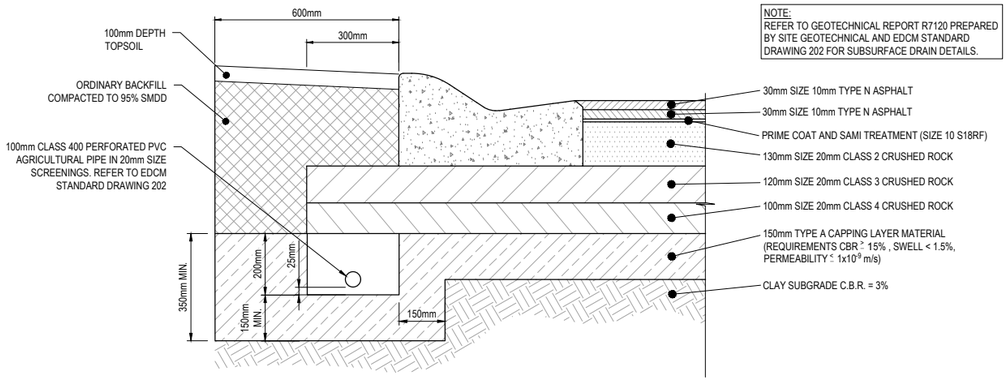
CHECKED:	ADK	AUTH. DATE:	18/09/2020	CAD REF:	01177-04-E-104

CARDINIA SHIRE COUNCIL

415 PRINCES HIGHWAY, OFFICER VIC 3809
HILLSTOWE ESTATE, STAGE 4

TYPICAL SECTIONS

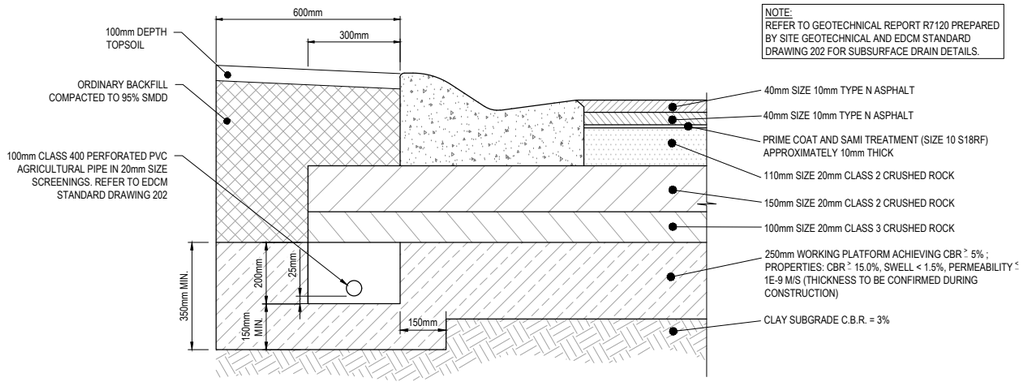
SCALE	1:100 @ A1
VERSION	A
SHEET	5 OF 53
DRAWING No.	01177-04-E-104



NOTE:
REFER TO GEOTECHNICAL REPORT R7120 PREPARED BY SITE GEOTECHNICAL AND EDCM STANDARD DRAWING 202 FOR SUBSURFACE DRAIN DETAILS.

EVERFAIR CRESCENT, CLEARFELL STREET, KIELDER STREET, SAWMILLER STREET, GONDWANA STREET, TARKINE STREET - 560mm PAVEMENT COMPOSITION DETAIL

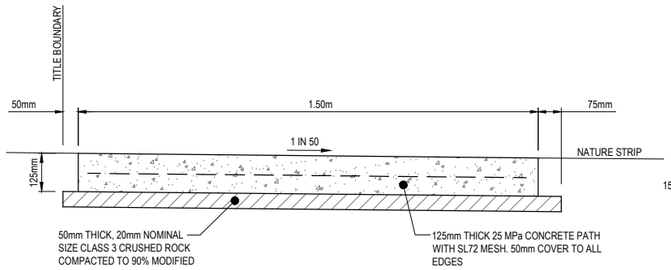
N.T.S.



NOTE:
REFER TO GEOTECHNICAL REPORT R7120 PREPARED BY SITE GEOTECHNICAL AND EDCM STANDARD DRAWING 202 FOR SUBSURFACE DRAIN DETAILS.

TIMBERTOP BOULEVARD - 730mm PAVEMENT COMPOSITION DETAIL

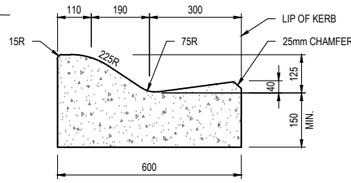
N.T.S.



TYPICAL RESIDENTIAL FOOTPATH DETAIL

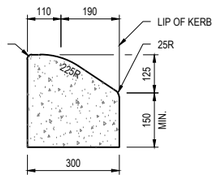
SCALE 1:10 @ A1
(REFER TO EDCM STANDARD DWG 401)

FOOTPATH DETAIL NOTE:
FOOTPATH CONSTRUCTED IN FILL SHALL BE USING STRUCTURAL FILL MATERIAL TO BE APPROVED TYPE 'A' MATERIAL AS PER VICROADS SERIES 200 DOCUMENT TABLE 204.04. SPREAD IN SUCCESSIVE LAYERS NOT EXCEEDING 150mm (LOOSE MEASUREMENT) AND COMPACTED THROUGHOUT TO A DRY DENSITY OF NOT LESS THAN 98% STANDARD COMPACTION



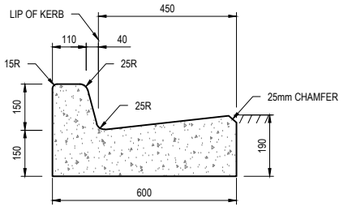
SM2 KERB DETAIL

SCALE 1:10 @ A1



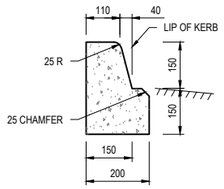
SM1 KERB DETAIL

SCALE 1:10 @ A1



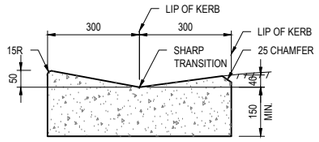
600 B2 KERB DETAIL

SCALE 1:10 @ A1



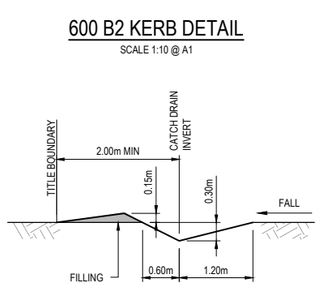
B1 KERB DETAIL

SCALE 1:10 @ A1



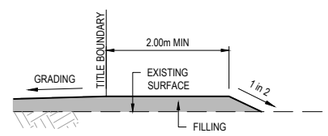
M2 KERB DETAIL

SCALE 1:10 @ A1



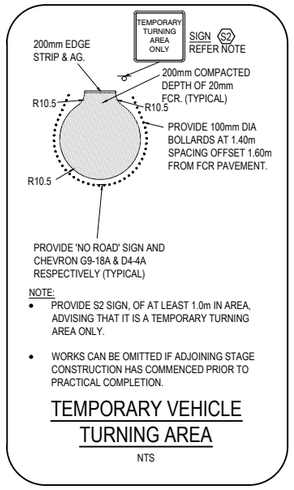
TYPICAL CATCH DRAIN SECTION

SCALE 1:50 @ A1



STAGE BOUNDARY LOT FILLING

SCALE 1:50 @ A1



NOTE:
- PROVIDE S2 SIGN, OF AT LEAST 1.0m IN AREA, ADVISING THAT IT IS A TEMPORARY TURNING AREA ONLY.
- WORKS CAN BE OMITTED IF ADJOINING STAGE CONSTRUCTION HAS COMMENCED PRIOR TO PRACTICAL COMPLETION.

TEMPORARY VEHICLE TURNING AREA

NTS

PAVEMENT DETAIL NOTE:

1. THE PAVEMENT DESIGNS SHOWN HAVE BEEN DESIGNED & PROVIDED BY SITE GEOTECHNICAL WHO ARE RESPONSIBLE FOR THE GEOTECHNICAL WORK ON THIS PROJECT.
2. TAYLORS IS NOT RESPONSIBLE FOR THE WORK OF SITE GEOTECHNICAL.
3. ALL PAVEMENT DESIGNS ARE EXTRACTS FROM THE SITE GEOTECHNICAL REPORT "PRELIMINARY GEOTECHNICAL INVESTIGATION & PAVEMENT DESIGN & PRELIMINARY SOIL CLASSIFICATION REPORT FOR SLABS AND FOOTING CONSTRUCTION".
4. THIS DOCUMENT SHOULD BE REVIEWED TO ENSURE THAT THE DESIGN HAS BEEN ACCURATELY REPRODUCED.
5. TAYLORS DOES NOT ACCEPT ANY RESPONSIBILITY FOR THE ACCURACY, ADEQUACY OR APPROPRIATENESS OF THE GEOTECHNICAL WORK AND/OR PAVEMENT DESIGNS.
6. ANY QUERIES SHOULD BE ADDRESSED TO SITE GEOTECHNICAL AND SENT TO TAYLORS.

RETAINING WALL DETAIL NOTE:

FOR RETAINING WALL DETAILS REFER TO STAGE 1 DRAWING SET FOR THE FOLLOWING
1. REFER TO DRAWING 3116-01-001 REV 1
   1.1. HOUSE DRAIN CONNECTION UNDER RETAINING WALL (WITH SECTION A)
2. REFER TO DRAWING 3116-01-103 REV 1
   2.1. RETAINING WALL DETAIL (MASS ROCK) - INCLUDING RETAINING WALL SCHEDULE (MASS ROCK)
   2.2. RETAINING WALL DETAIL (MASS ROCK WITH FENCE)
   2.3. RETAINING WALL DETAIL (CONCRETE SLEEPER) - INCLUDING RETAINING WALL SCHEDULE (CONCRETE SLEEPER)
3. REFER TO DRAWING 3116-01-104 REV 1
   3.1. RETAINING WALL DETAIL (CONCRETE SLEEPER WITH LIVE LOADING) - INCLUDING RETAINING WALL SCHEDULE (CONCRETE SLEEPER WITH LIVE LOADING)
   3.2. RETAINING WALL DETAIL (CONCRETE SLEEPER WITH 3m SPAN)

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0 0.1 0.2 0.4 0.6 0.8
SCALE 1:10 AT A1 SIZE
SCALE 1:20 AT A3 SIZE

0 0.5 1 2 3 4
SCALE 1:50 AT A1 SIZE
SCALE 1:100 AT A3 SIZE

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A	18/09/2020	PRELIMINARY ISSUE	LOD

Coords: MGA Levels: AHD

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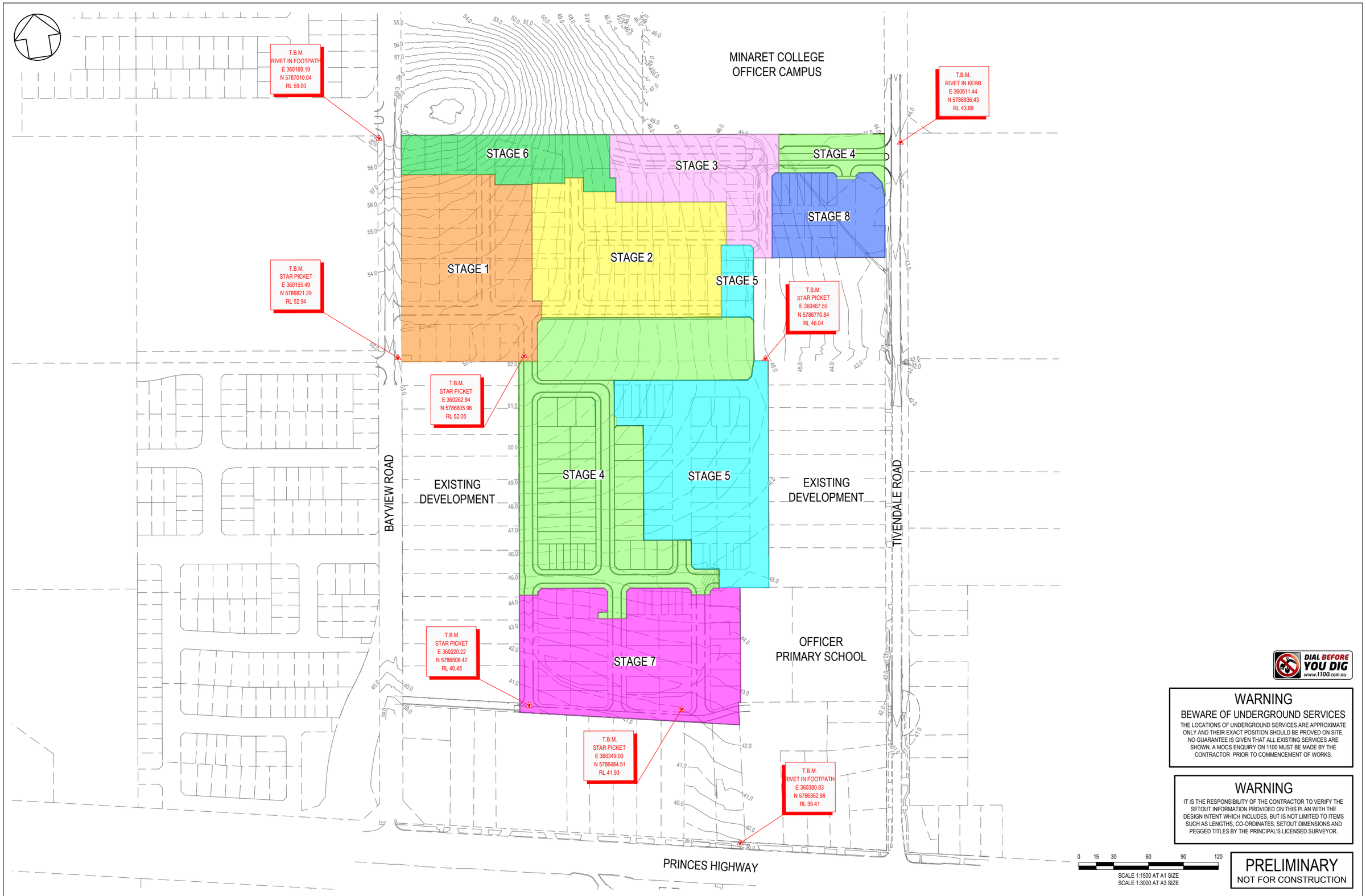
CHECKED:	ADK	AUTH. DATE:	18/09/2020	CAD REF:	01177-04-E-105

CARDINIA SHIRE COUNCIL

415 PRINCES HIGHWAY, OFFICER VIC 3809
HILLSTOWE ESTATE, STAGE 4

TYPICAL DETAILS

SCALE	AS SHOWN @ A1
VERSION	A
SHEET	6 OF 53
DRAWING No.	01177-04-E-105



0 15 30 60 90 120

SCALE 1:1500 AT A1 SIZE
SCALE 1:3000 AT A3 SIZE

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A	18/09/2020	PRELIMINARY ISSUE	LOD

Coords: MGA Levels: AHD

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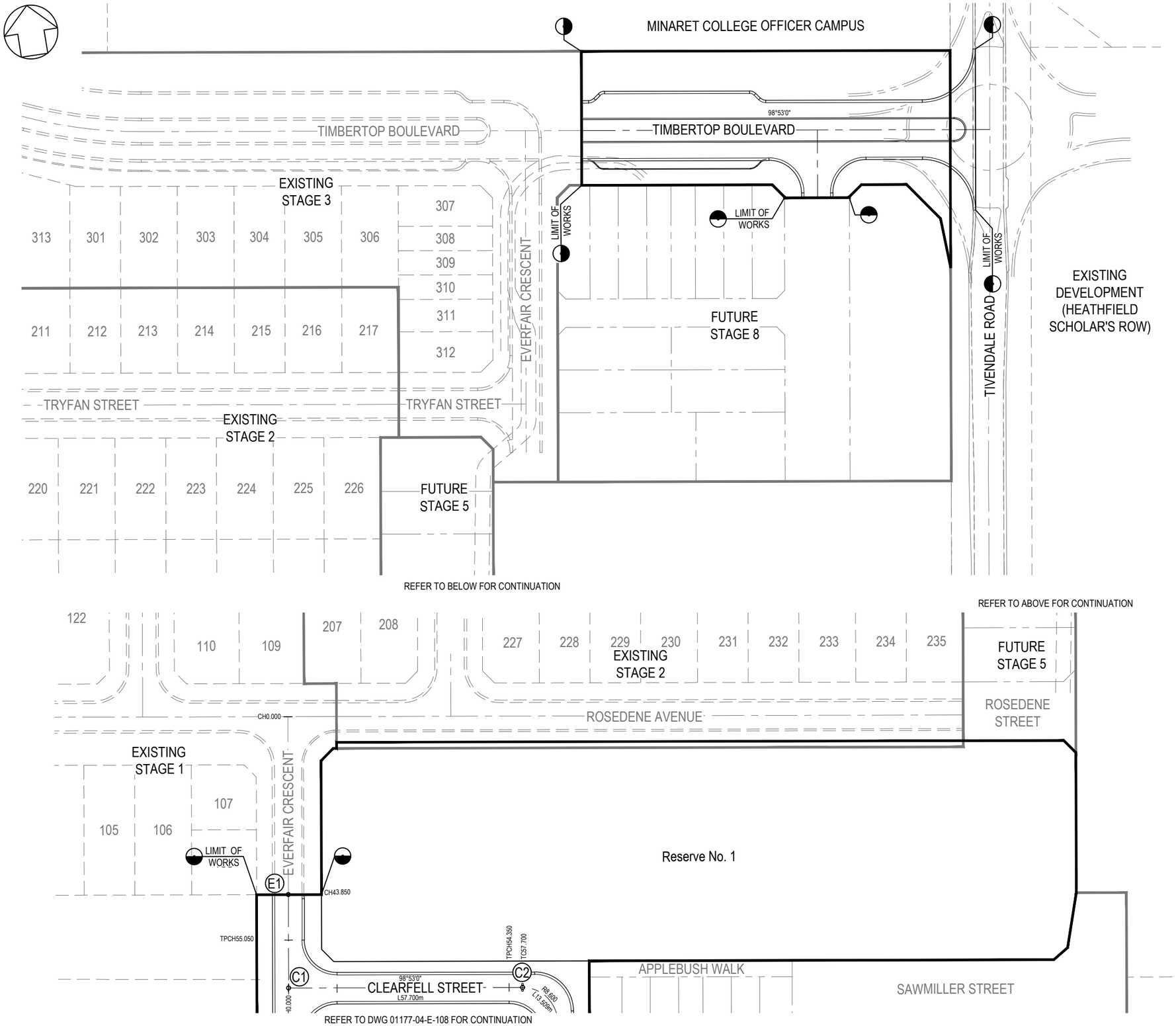
DESIGNED:	LOD	AUTHORISED:	JOY	DRAFTED:	WGO
CHECKED:	ADK	AUTH. DATE:	18/09/2020	CAD REF:	01177-04-E-106

CARDINIA SHIRE COUNCIL

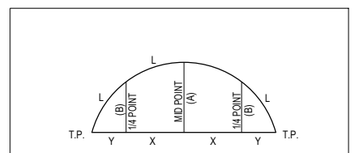
415 PRINCES HIGHWAY, OFFICER VIC 3809
HILLSTOWE ESTATE, STAGE 4

OVERALL STAGING PLAN

SCALE	1:1500 @ A1
VERSION	A
SHEET	7 OF 53
DRAWING No.	01177-04-E-106



CENTRELINE SETOUT TABLE			
ALIGNMENT C			
POINT NO	EASTING	NORTHING	RL
C1	360261.935	5786777.993	51.341
C2	360318.943	5786769.083	50.033
ALIGNMENT E			
POINT NO	EASTING	NORTHING	RL
E1	360265.487	5786800.717	51.951



SET OUT DETAIL
N.T.S.

NOTE
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0 5 10 20 30 40
SCALE 1:500 AT A1 SIZE
SCALE 1:1000 AT A3 SIZE

PRELIMINARY
NOT FOR CONSTRUCTION

VER	DATE	REVISION	APPD.
A	18/09/2020	PRELIMINARY ISSUE	LOD

CENTRE LINE SETOUT POINT ○ (H3)

Coords: MGA Levels: AHD

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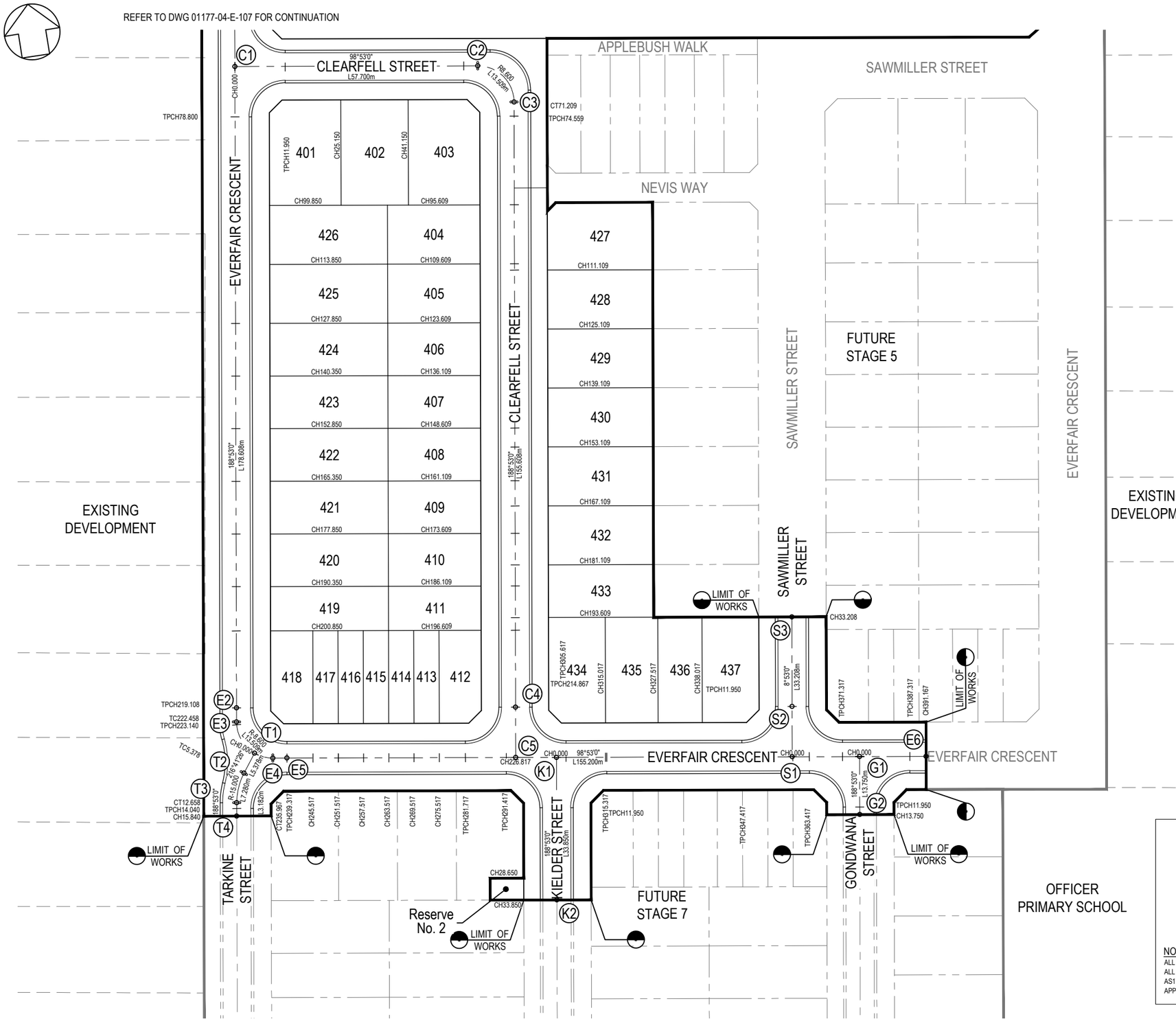
CHECKED:	ADK	AUTH. DATE:	18/09/2020	CAD REF:	01177-04-E-107-108

CARDINIA SHIRE COUNCIL
415 PRINCES HIGHWAY, OFFICER VIC 3809
HILLSTOWE ESTATE, STAGE 4
ROAD CENTRELINE SETOUT PLANS
SHEET 1 OF 2

SCALE	1:500 @ A1
VERSION	A
SHEET	8 OF 53
DRAWING No.	01177-04-E-107



CENTRELINE SETOUT TABLE

ALIGNMENT C

POINT NO	EASTING	NORTHING	RL
C1	360261.935	5786777.993	51.341
C2	360318.943	5786769.083	50.033
C3	360326.112	5786759.258	49.736
C4	360303.928	5786617.323	44.710
C5	360302.082	5786605.517	44.941

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
C2 - C3	90	8.6	13.509	2.519	1.864	3.291	2.79	3.377	49.885

ALIGNMENT E

POINT NO	EASTING	NORTHING	RL
E1	360265.487	5786800.717	51.951
E2	360238.423	5786627.562	45.145
E3	360237.906	5786624.252	45.162
E4	360245.074	5786614.427	45.229
E5	360248.384	5786613.909	45.212
E6	360398.413	5786590.460	44.582

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
E3 - E4	90	8.6	13.509	2.519	1.864	3.291	2.79	3.377	45.196

ALIGNMENT G

POINT NO	EASTING	NORTHING	RL
G1	360382.802	5786592.900	44.503
G2	360380.679	5786579.315	44.255

ALIGNMENT K

POINT NO	EASTING	NORTHING	RL
K1	360311.666	5786604.019	44.863
K2	360306.439	5786570.575	44.387

ALIGNMENT S

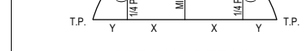
POINT NO	EASTING	NORTHING	RL
S1	360366.994	5786595.371	44.583
S2	360368.840	5786607.178	44.379
S3	360372.122	5786628.181	44.834

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
S3 - S4	90	8.6	13.509	2.519	1.864	3.291	2.79	3.377	47.922

ALIGNMENT T

POINT NO	EASTING	NORTHING	RL
T1	360240.951	5786616.272	45.206
T2	360237.738	5786611.959	45.015
T3	360234.946	5786605.313	44.730
T4	360234.454	5786602.170	44.605

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
T2 - T3	27.807	15	7.28	0.439	0.329	1.816	1.789	1.82	44.872



SET OUT DETAIL
N.T.S.

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0 5 10 20 30 40

SCALE 1:500 AT A1 SIZE
SCALE 1:1000 AT A3 SIZE

PRELIMINARY
NOT FOR CONSTRUCTION

VER	DATE	REVISION	APPD.
A	18/09/2020	PRELIMINARY ISSUE	LOD

CENTRE LINE SETOUT POINT ○ (H3)

Coords: MGA Levels: AHD

TAYLORS
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DESIGNED:	LOD	AUTHORISED:	JOY	DRAFTED:	WGO
CHECKED:	ADK	AUTH. DATE:	18/09/2020	CAD REF:	01177-04-E-107-108

CARDINIA SHIRE COUNCIL

415 PRINCES HIGHWAY, OFFICER VIC 3809
HILLSTOWE ESTATE, STAGE 4

ROAD CENTRELINE SETOUT PLANS
SHEET 2 OF 2

SCALE	1:500 @ A1
VERSION	A
SHEET	9 OF 53
DRAWING No.	01177-04-E-108

PLAN OF SUBDIVISION

EDITION 1 | PS839251V

LOCATION OF LAND

PARISH: PAKENHAM
TOWNSHIP:
SECTION:
CROWN ALLOTMENT: 39A (PART) & 39B (PART)
CROWN PORTION:
TITLE REFERENCE: Vol. Fol. / Vol. Fol.
LAST PLAN REFERENCE: Lot C on PS836044S, Lot F on PS836057H
POSTAL ADDRESS: (at time of subdivision) 46 - 50 Bayview Road, OFFICER 3809
MGA 94 CO-ORDINATES: (of approx centre of land in plan) E: 360 290 N: 5786 690 ZONE: 55

COUNCIL NAME: CARDINIA SHIRE COUNCIL

VESTING OF ROADS AND/OR RESERVES

IDENTIFIER	COUNCIL/BODY/PERSON
Road R1	Cardinia Shire Council
Road R2	Cardinia Shire Council
Reserve No. 1	Cardinia Shire Council
Reserve No. 2	Ausnet Electricity Services Pty Ltd

NOTATIONS

DEPTH LIMITATION: Does Not Apply

SURVEY: This plan is based on survey.

STAGING: This is not a staged subdivision. Planning Permit No.

This survey has been connected to Pakenham PM82 and Pakenham PM20
In Prostatmest Survey Area No. (Not Applicable)

HILLSTOWE ESTATE - Release No. 4
Area of Release: 3.431ha
No. of Lots: 37 Lots and Balance Lots G & H

NOTATIONS

Lots 401 to 437 (both inclusive) may be affected by one or more restrictions. Refer to Creation of Restrictions A, B & C on Sheets 6 & 7 of this plan for details.

OTHER PURPOSE OF PLAN
1. Removal of the sewerage easement marked E-3 on PS836057H, upon registration of this plan.
2. Removal of the sewerage easement marked E-3 on PS836044S in so far as where it lies within new roads R1 & R2 on this plan, upon registration of this plan.

GROUNDS FOR REMOVAL: By agreement between all interested parties vide Sec.6(1)(k) of the Subdivision Act 1988.

EASEMENT INFORMATION

LEGEND: A - Appurtenant Easement E - Encumbering Easement R - Encumbering Easement (Road)

Easement Reference	Purpose	Width (Metres)	Origin	Land Benefited/In Favour Of
E-1	Sewerage	3.50	PS826731D	South East Water Corporation
E-2	Sewerage	2	PS836044S	South East Water Corporation
E-3	Sewerage	See Diag.	This Plan	South East Water Corporation
E-4	Drainage	See Diag.	This Plan	Cardinia Shire Council
E-5	Sewerage	See Diag.	This Plan	South East Water Corporation
	Drainage			Cardinia Shire Council

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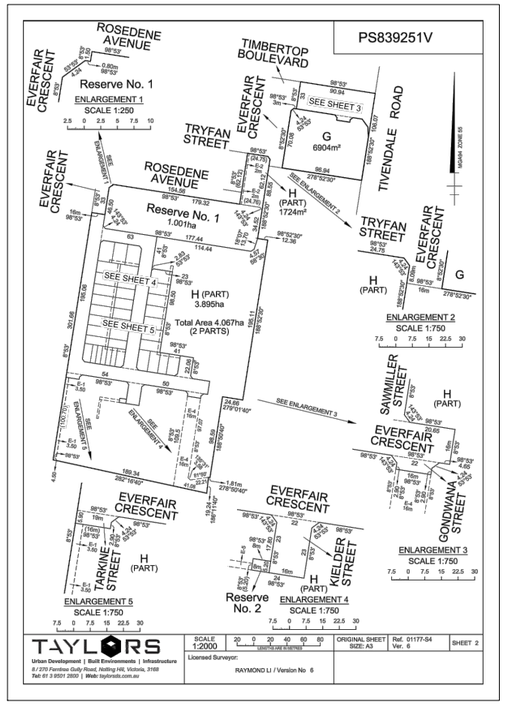
SURVEYORS FILE REF: 01177-S4 Ver. 6 | ORIGINAL SHEET SIZE: A3 | SHEET 1 OF 7
Licensed Surveyor: RAYMOND LI / Version No 6



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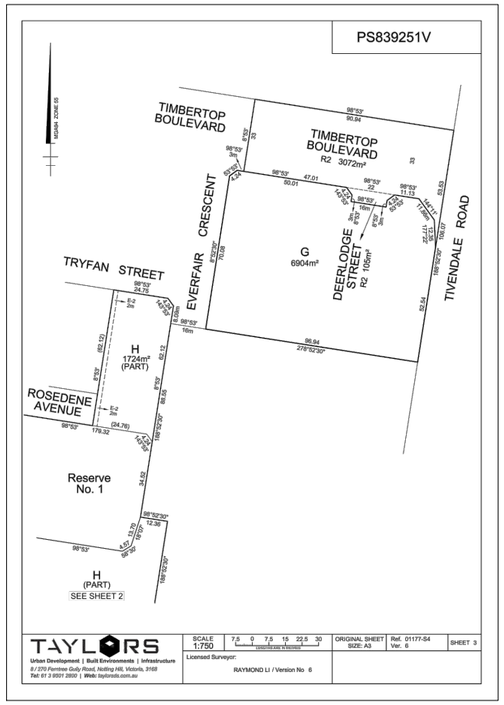
SCALE 1:2000 | ORIGINAL SHEET SIZE: A3 | Ref. 01177-S4 Ver. 6 | SHEET 2
Licensed Surveyor: RAYMOND LI / Version No 6



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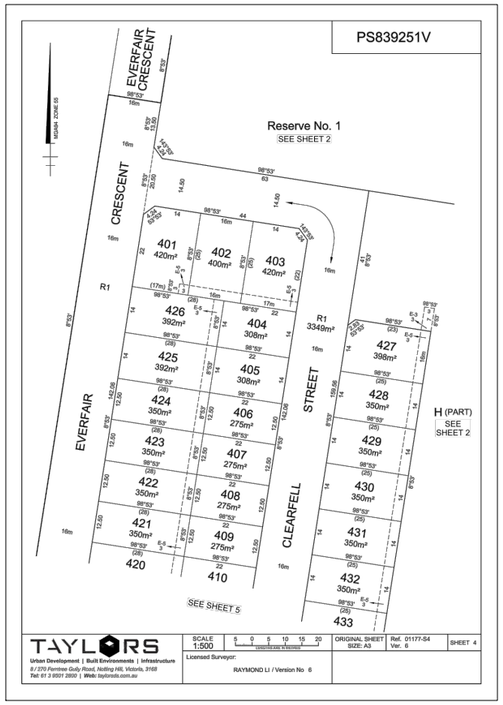
SCALE 1:750 | ORIGINAL SHEET SIZE: A3 | Ref. 01177-S4 Ver. 6 | SHEET 3
Licensed Surveyor: RAYMOND LI / Version No 6



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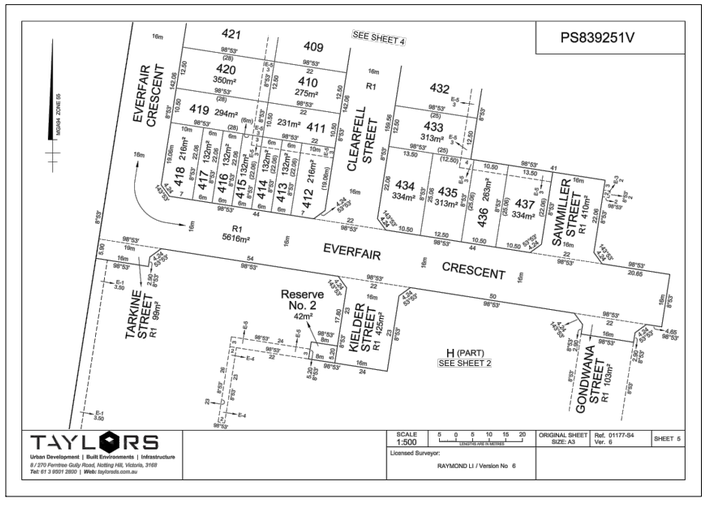
Tel: 61 3 9501 2800 | Web: taylorsds.com.au

SCALE 1:500 | ORIGINAL SHEET SIZE: A3 | Ref. 01177-S4 Ver. 6 | SHEET 4
Licensed Surveyor: RAYMOND LI / Version No 6



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SCALE 1:500 | ORIGINAL SHEET SIZE: A3 | Ref. 01177-S4 Ver. 6 | SHEET 5
Licensed Surveyor: RAYMOND LI / Version No 6

CREATION OF RESTRICTION A

PS839251V

The registered proprietors of the burdened land covenant with the registered proprietors of the benefited land as set out in the restriction with the intent that the burden of the restriction runs with and binds the burdened land and the benefit of the restriction is annexed to and runs with the benefited land.

BURDENED LAND: See Table 1
BENEFITED LAND: See Table 1

RESTRICTION:
The burdened land cannot be used except in accordance with the provisions recorded in MCP.....

Expiry date: 31/12/2034

TABLE 1

BURDENED LOT No.	BENEFITING LOTS ON THIS PLAN
401	402, 426
402	401, 403, 404, 426
403	402, 404
404	402, 403, 405, 426
405	404, 406, 425
406	405, 407, 424
407	406, 408, 423
408	407, 409, 422
409	408, 410, 421
410	409, 411, 420
411	410, 412, 413, 414, 419
412	411, 413
413	411, 412, 414
414	411, 413, 415
415	414, 416, 419
416	415, 417, 419
417	416, 418, 419
418	417, 419
419	411, 415, 416, 417, 418, 420

TABLE 1 continued

BURDENED LOT No.	BENEFITING LOTS ON THIS PLAN
420	410, 419, 421
421	409, 420, 422
422	408, 421, 423
423	407, 422, 424
424	406, 423, 425
425	405, 424, 426
426	401, 402, 404, 425
427	428
428	427, 429
429	428, 430
430	429, 431
431	430, 432
432	431, 433
433	432, 434, 435
434	433, 435
435	433, 434, 436
436	435, 437
437	436

CREATION OF RESTRICTION B

The registered proprietors of the burdened land covenant with the registered proprietors of the benefited land as set out in the restriction with the intent that the burden of the restriction runs with and binds the burdened land and the benefit of the restriction is annexed to and runs with the benefited land.

BURDENED LAND: See Table 2
BENEFITED LAND: See Table 2

RESTRICTION:
Must not build or permit to be built or remain on the lot any building other than a building which has been constructed in accordance with the Officer Small Lot Housing Code (SLHC) forming part of the Officer Precinct Structure Plan unless a planning permit is granted by the Responsible Authority for a building that does not conform with the SLHC.

TABLE 2

BURDENED LOT No.	BENEFITING LOTS ON THIS PLAN
408	405, 407, 424
407	406, 408, 423
408	407, 409, 422
409	408, 410, 421
410	409, 411, 420
411	410, 412, 413, 414, 419
412	411, 413
413	411, 412, 414

TABLE 2 continued

BURDENED LOT No.	BENEFITING LOTS ON THIS PLAN
414	411, 413, 415
415	414, 416, 419
416	415, 417, 419
417	416, 418, 419
418	417, 419
419	411, 415, 416, 417, 418, 420
436	435, 437

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ORIGINAL SHEET SIZE: A3 | Ref. 01177-S4 Ver. 6 | SHEET 6
Licensed Surveyor: RAYMOND LI / Version No 6

CREATION OF RESTRICTION C

PS839251V

The registered proprietors of the burdened land covenant with the registered proprietors of the benefited land as set out in the restriction with the intent that the burden of the restriction runs with and binds the burdened land and the benefit of the restriction is annexed to and runs with the benefited land.

BURDENED LAND: See Table 3
BENEFITED LAND: See Table 3

RESTRICTION:
The registered proprietor or proprietors for the time being of any Burdened Lot on this plan:

1. Must not construct or allow to be constructed or remain on the lot any building or garage outside the building envelope shown hatched in the diagrams shown on MCP..... (excluding allowable projecting building elements that project outside the building envelope as contained in Part 5 Regulation 74(3), 79(3) & 79(4) of the Building Regulations 2018); and
2. Must not construct any house or garage on a side boundary of a Lot unless the house or garage is setback a minimum of 1 metre from the other side boundary of that lot.

Expiry date: 31/12/2034

TABLE 3

BURDENED LOT No.	BENEFITING LOTS ON THIS PLAN
401	402, 426
402	401, 403, 404, 426
403	402, 404
404	402, 403, 405, 426
405	404, 406, 425
420	410, 419, 421
421	409, 420, 422
422	408, 421, 423
423	407, 422, 424
424	406, 423, 425
425	405, 424, 426
426	401, 402, 404, 425
427	428
428	427, 429
429	428, 430
430	429, 431
431	430, 432
432	431, 433
433	432, 434, 435
434	433, 435
435	433, 434, 436
436	435, 437
437	436

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ORIGINAL SHEET SIZE: A3 | Ref. 01177-S4 Ver. 6 | SHEET 7
Licensed Surveyor: RAYMOND LI / Version No 6

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A	18/09/2020	PRELIMINARY ISSUE	LOD

Coords: MGA Levels: AHD

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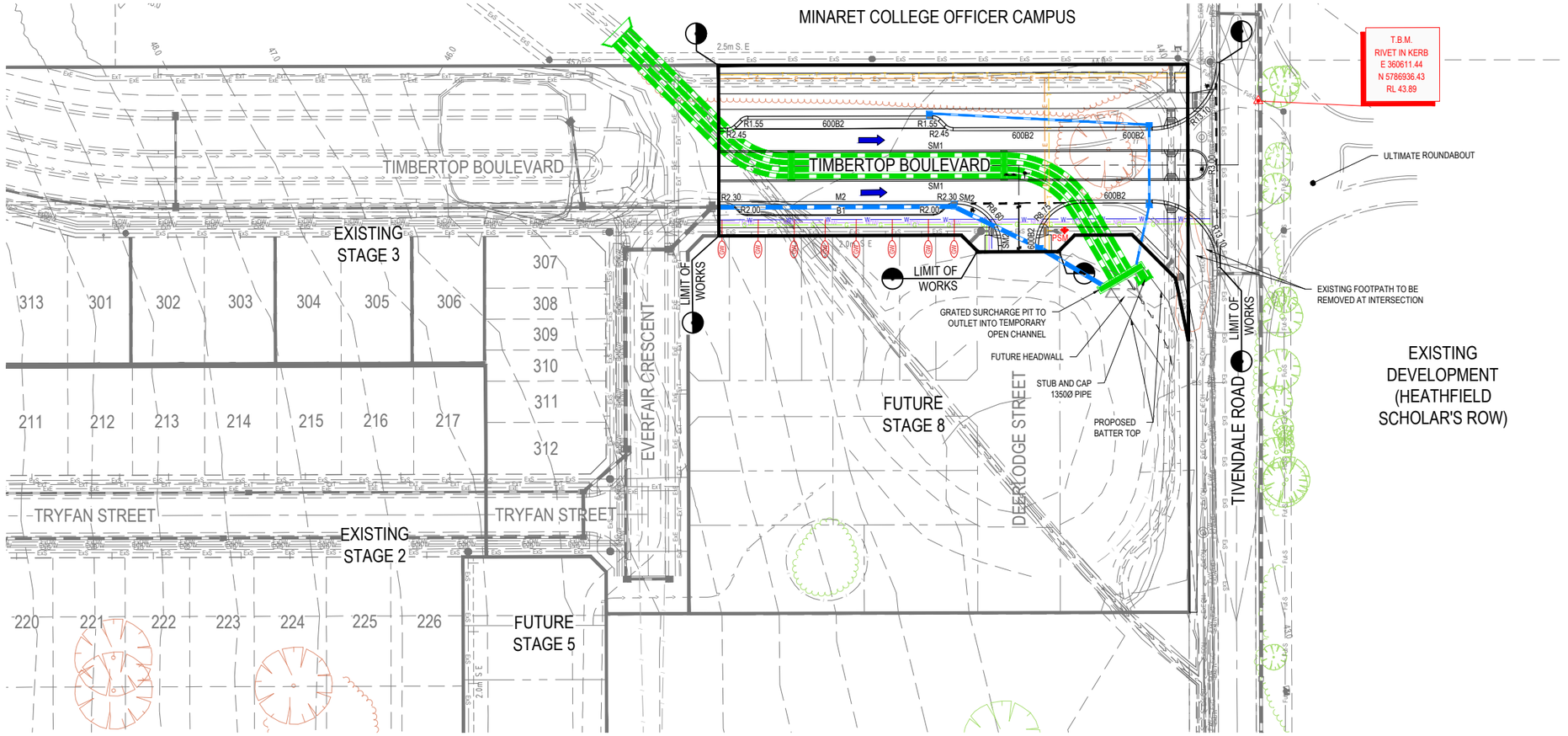
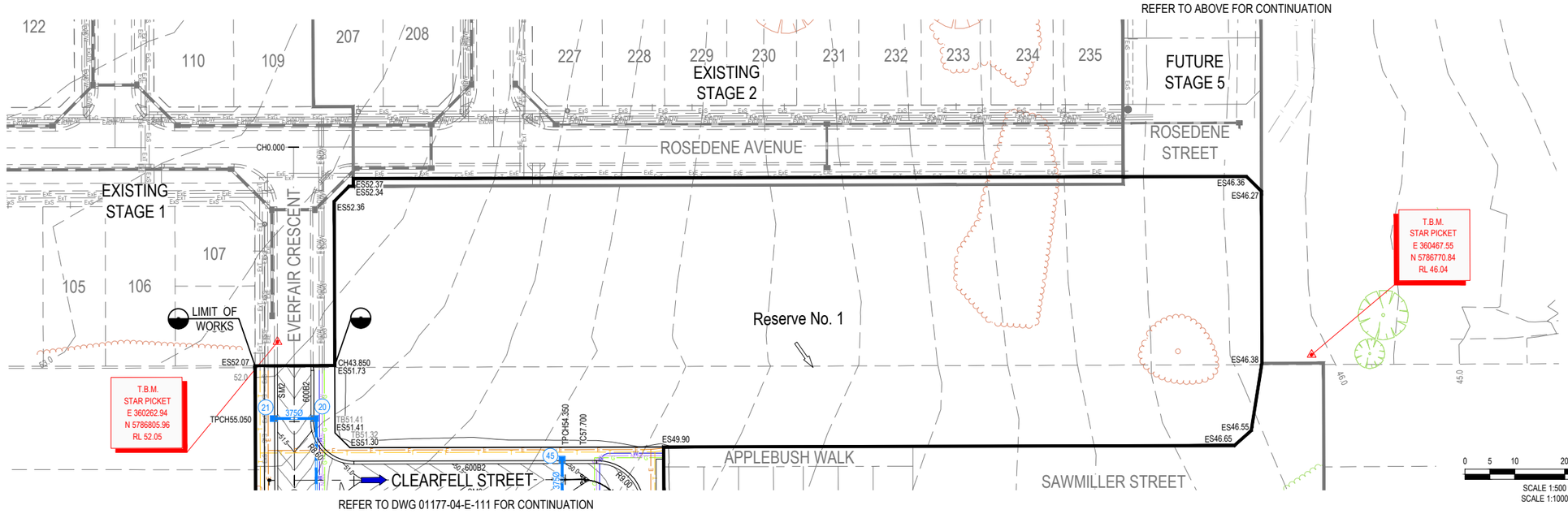
CARDINIA SHIRE COUNCIL

415 PRINCES HIGHWAY, OFFICER VIC 3809
HILLSTOWE ESTATE, STAGE 4

PLAN OF SUBDIVISION

SCALE N.T.S.
VERSION A
SHEET 10 OF 53
DRAWING No. 01177-04-E-109





NOTES:

1. ALL EXISTING SERVICES UNDER NEW PAVEMENTS, PATHS AND VEHICLE CROSSINGS TO BE BACKFILLED WITH FCR.
2. ALL EXISTING PITS AND MANHOLES WITHIN NEW WORKS TO BE ADJUSTED TO NEATLY MATCH NEW FINISHED SURFACE.
3. ALL EXISTING SEWER PROPERTY BRANCHES AND HOUSE DRAINS DAMAGED BY WORKS TO BE REPLACED BY CONTRACTOR.
4. ALL EXISTING OPEN DRAINS TO BE DRAINED, DESLUDGED AND BACKFILLED TO LEVEL 1 REQUIREMENTS.

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0 5 10 20 30 40

SCALE 1:500 AT A1 SIZE
SCALE 1:1000 AT A3 SIZE

PRELIMINARY
NOT FOR CONSTRUCTION

VER	DATE	REVISION	APPD.
A	18/09/2020	PRELIMINARY ISSUE	LOD

EXISTING GAS MAIN · EXISTING WATER MAIN · EXISTING ELECTRICITY CABLE · EXISTING TELCO CABLE & PIT · EXISTING SEWER MAIN & M.H. · EXISTING DRAIN & PIT · OPEN CATCH DRAIN
PROPOSED GAS MAIN · PROPOSED WATER MAIN · PROPOSED NON-DRINKING WATER · PROPOSED ELECTRICITY CABLE · PROPOSED TELCO CABLE · PROPOSED SEWER MAIN & M.H. · PROPOSED DRAIN, PIT & PROPERTY INLET
MELBOURNE WATER DRAIN AND PIT · STREET NAME SIGN · PROPOSED GAS & WATER CONDUIT · P.S.M. · T.B.M. · TGSI (TACTILE GROUND SURFACE INDICATORS) · EXISTING SURFACE LEVEL ES 51.260 · FINISHED SURFACE TOP OF BATTER TB 51.296
LEGEND

Coords: MGA Levels: AHD

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CARDINIA SHIRE COUNCIL

415 PRINCES HIGHWAY, OFFICER VIC 3809
HILLSTOWE ESTATE, STAGE 4

DETAIL LAYOUT PLAN
SHEET 1 OF 3

SCALE	1:500 @ A1
VERSION	A
SHEET	11 OF 53
DRAWING No.	01177-04-E-110

REFER TO DWG 01177-04-E-110 FOR CONTINUATION

NOTES:

1. ALL EXISTING SERVICES UNDER NEW PAVEMENTS, PATHS AND VEHICLE CROSSINGS TO BE BACKFILLED WITH FCR.
2. ALL EXISTING PITS AND MANHOLES WITHIN NEW WORKS TO BE ADJUSTED TO NEATLY MATCH NEW FINISHED SURFACE.
3. ALL EXISTING SEWER PROPERTY BRANCHES AND HOUSE DRAINS DAMAGED BY WORKS TO BE REPLACED BY CONTRACTOR.
4. ALL EXISTING OPEN DRAINS TO BE DRAINED, DESLUDGED AND BACKFILLED TO LEVEL 1 REQUIREMENTS.

REFER TO BOTTOM LEFT FOR CONTINUATION

CLEARFELL STREET
APPLEBUSH WALK
SAWMILLER STREET
NEVIS WAY
EVERFAIR CRESCENT
TARKINE STREET
KIELDER STREET
GONDWANA STREET
EXISTING DEVELOPMENT
FUTURE STAGE 5
FUTURE STAGE 7
OFFICER PRIMARY SCHOOL
Reserve No. 2
MASS ROCK RETAINING WALL ALONG THE EDGE OF LOT 403 ROAD RESERVE
HEAVY DUTY DRIVEWAY CROSSING
CONCRETE SLEEPER RETAINING WALL FOR ALL RETAINING WALLS WITHIN LOTS
CONCRETE SLEEPER RETAINING WALL ALONG THE EDGE OF ROAD RESERVE
INSTALL TEMPORARY JERSEY BARRIER AND NO ROAD SIGN (ON JERSEY BARRIER)
INSTALL CATCH DRAIN AROUND SUBSTATION FILL AREA AND SPREAD AT END TO MATCH SMOOTHLY INTO EXISTING SURFACE
CONSTRUCT 375Ø TEMPORARY PIPE TO DAYLIGHT
TEMPORARY VEHICLE TURNING AREA. REFER DETAIL ON DWG No. 01177-04-E-900 FOR DETAILS
LIMIT OF WORKS
END OF PIPE
750Ø STUB
T.B.M. STAR PICKET E 360220.22 N 5786508.42 RL 40.45

REFER TO TOP RIGHT FOR CONTINUATION

REFER TO DWG 01177-04-E-112 FOR CONTINUATION

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WARNING
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0 5 10 20 30 40

SCALE 1:500 AT A1 SIZE
SCALE 1:1000 AT A3 SIZE

PRELIMINARY
NOT FOR CONSTRUCTION

VER	DATE	REVISION	APPD.
A	18/09/2020	PRELIMINARY ISSUE	LOD

LEGEND

EXISTING GAS MAIN	ExG	PROPOSED GAS MAIN	G
EXISTING WATER MAIN	ExW	PROPOSED WATER MAIN	W
EXISTING ELECTRICITY CABLE	ExE	PROPOSED NON-DRINKING WATER	NDW
EXISTING TELCO CABLE & PIT	ExT	PROPOSED ELECTRICITY CABLE	E
EXISTING SEWER MAIN & M.H.	ExS	PROPOSED TELCO CABLE	T
EXISTING DRAIN & PIT		PROPOSED SEWER MAIN & M.H.	S
FILLING ON LOTS DEEPER THAN 300mm		PROPOSED DRAIN, PIT & PROPERTY INLET	
PROPOSED GAS & WATER CONDUIT	GW		

STREET NAME SIGN	P.S.M.
PROPOSED RETAINING WALL	
PROPOSED ROCK MASS WALL	
TGSI (TACTILE GROUND SURFACE INDICATORS)	
EXISTING SURFACE LEVEL	ES 51.260
FINISHED SURFACE BUILDING LINE & ROAD RESERVE	FS 51.046
FINISHED SURFACE TOP OF BATTER	TB 51.296

Coords: MGA Levels: AHD

TAYLORS
Urban Development | Infrastructure
8 / 270 Ferntree Gully Road, Notting Hill, Victoria, 3168
Tel: 61 3 9501 2800 | Web: taylorsds.com.au

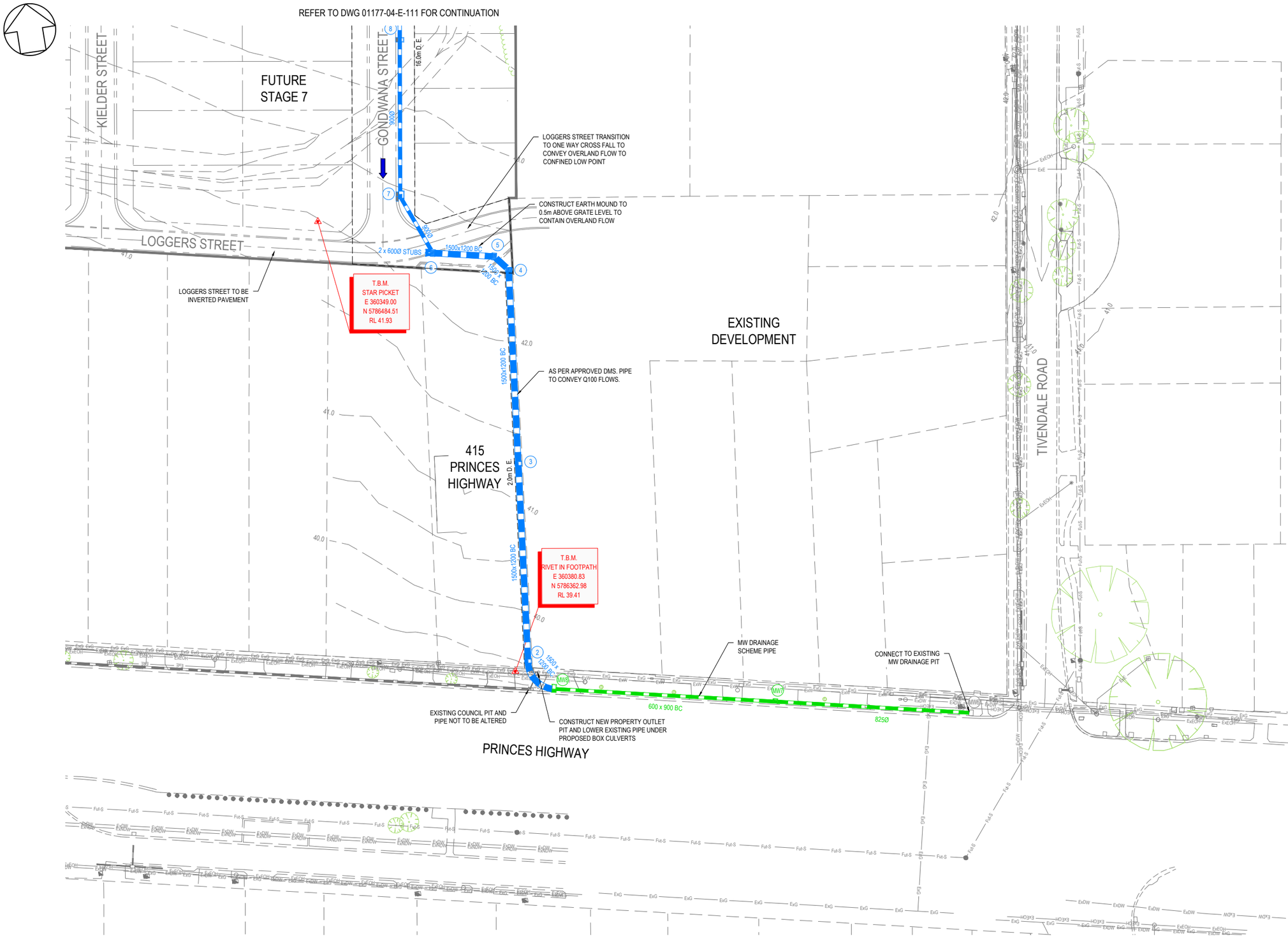
DESIGNED:	LOD	AUTHORISED:	JOY	DRAFTED:	WGO
CHECKED:	ADK	AUTH. DATE:	18/09/2020	CAD REF:	01177-04-E-110-112

CARDINIA SHIRE COUNCIL

415 PRINCES HIGHWAY, OFFICER VIC 3809
HILLSTOWE ESTATE, STAGE 4

DETAIL LAYOUT PLAN
SHEET 2 OF 3

SCALE	1:500 @ A1
VERSION	A
SHEET	12 OF 53
DRAWING No.	01177-04-E-111



NOTES:

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0 5 10 20 30 40

SCALE 1:500 AT A1 SIZE
SCALE 1:1000 AT A3 SIZE

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VER	DATE	REVISION	APPD.
A	18/09/2020	PRELIMINARY ISSUE	LOD

LEGEND

- EXISTING GAS MAIN — ExG
- EXISTING WATER MAIN — ExW
- EXISTING ELECTRICITY CABLE — ExE — POLE — E
- EXISTING TELCO CABLE & PIT — ExT
- EXISTING SEWER MAIN & M.H. — ExS
- EXISTING DRAIN & PIT
- EXISTING OPEN CATCH DRAIN
- PROPOSED DRAIN & PIT
- MELBOURNE WATER DRAIN AND PIT
- T.B.M.

Coords: MGA Levels: AHD

TAYLORS
Urban Development | Infrastructure
8 / 270 Ferntree Gully Road, Notting Hill, Victoria, 3168
Tel: 61 3 9501 2800 | Web: taylorsds.com.au

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CHECKED:	ADK	AUTH. DATE:	18/09/2020
DRAFTED:	WGO	CAD REF:	01177-04-E-110-112

CARDINIA SHIRE COUNCIL

415 PRINCES HIGHWAY, OFFICER VIC 3809
HILLSTOWE ESTATE, STAGE 4

DETAIL LAYOUT PLAN
SHEET 3 OF 3

SCALE	1:500 @ A1
VERSION	A
SHEET	13 OF 53
DRAWING No.	01177-04-E-112

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NOTE : TIMBERTOP BOULEVARD ROAD DESIGN IS YET TO BE FINALISED

TIMBERTOP BOULEVARD

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SCALE 1:500 AT A1 SIZE
SCALE 1:1000 AT A3 SIZE

HORIZ 0 5 10 20 30 40

VERT 0 0.5 1 2 3 4

SCALE 1:50 AT A1 SIZE
SCALE 1:100 AT A3 SIZE

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VER	DATE	REVISION	APPD.
A	18/09/2020	PRELIMINARY ISSUE	LOD

Coords: MGA Levels: AHD

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CARDINIA SHIRE COUNCIL

415 PRINCES HIGHWAY, OFFICER VIC 3809
HILLSTOWE ESTATE, STAGE 4

ROAD LONGITUDINAL SECTIONS
SHEET 1 OF 6

SCALE 1:500 H, 1:50 V @A1
VERSION A
SHEET 14 OF 53
DRAWING No.
01177-04-E-113

NOTES:

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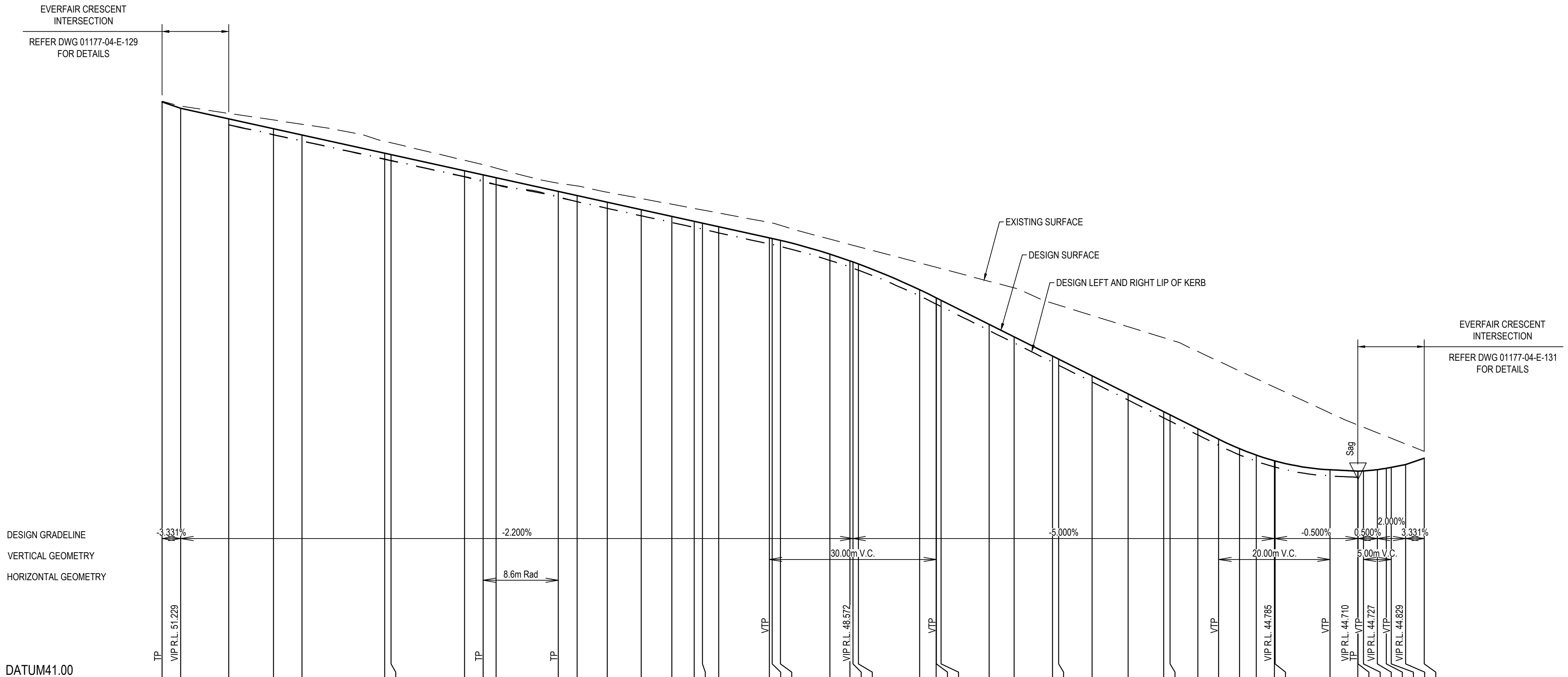

DESIGN CENTRELINE	51.341	51.229	51.04	50.863	50.75	50.423	50.398	50.107	50.033	49.983	49.736	49.663	49.543	49.408
LEFT LIP OF KERB			50.933	50.756	50.643	50.316	50.291	50.001	49.927	49.856	49.625	49.551	49.431	49.297
RIGHT LIP OF KERB			50.928	50.751	50.638	50.311	50.286	49.996	49.901	49.857	49.646	49.551	49.431	49.297
EXISTING SURFACE	51.36	51.27	51.14	51.02	50.94	50.63	50.61	50.29	50.21	50.16	49.88	49.83	49.72	49.61
CHAINAGE	0	3.35	11.95	20	25.15	40	41.15	54.35	57.7	60	71.209	74.559	80	86.109

DESIGN CENTRELINE	49.287	49.199	49.166	49.103	48.902	48.891	48.857	48.608	48.486	48.467	48.431	47.969	47.823
LEFT LIP OF KERB	49.176	49.088	49.055	48.991	48.79	48.78	48.745	48.496	48.374	48.355	48.32	47.857	47.711
RIGHT LIP OF KERB	49.176	49.088	49.055	48.991	48.79	48.78	48.745	48.496	48.374	48.355	48.32	47.857	47.711
EXISTING SURFACE	49.5	49.43	49.4	49.35	49.18	49.17	49.13	48.88	48.78	48.77	48.74	48.45	48.37
CHAINAGE	91.609	95.609	97.109	100	109.132	109.609	111.109	120	123.609	124.132	125.109	136.109	139.109

DESIGN CENTRELINE	47.822	47.779	47.348	47.123	46.779	46.723	46.423	46.098	45.779	45.723	45.473	45.285	45.114
LEFT LIP OF KERB	47.71	47.667	47.236	47.011	46.667	46.611	46.311	45.986	45.667	45.611	45.361	45.174	45.002
RIGHT LIP OF KERB	47.71	47.667	47.236	47.011	46.667	46.611	46.311	45.986	45.667	45.611	45.361	45.174	45.002
EXISTING SURFACE	48.37	48.35	48.12	48	47.73	47.69	47.51	47.3	47.11	47.07	46.86	46.68	46.51
CHAINAGE	139.132	140	148.609	153.109	160	161.109	167.109	173.609	180	181.109	186.109	189.867	193.609

DESIGN CENTRELINE	44.999	44.898	44.894	44.735	44.71	44.71	44.715	44.737	44.761	44.777	44.829	44.941	
LEFT LIP OF KERB	44.888	44.786	44.782	44.624									
RIGHT LIP OF KERB	44.888	44.786	44.782	44.624									
EXISTING SURFACE	46.37	46.22	46.21	45.76	45.54	45.54	45.5	45.4	45.34	45.3	45.2	45.07	
CHAINAGE	196.609	199.867	200	209.867	214.867	214.9	215.862	218.362	220	220.862	223.467	226.817	

CLEARFELL STREET

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SCALE 1:500 AT A1 SIZE
SCALE 1:1000 AT A3 SIZE
HORIZ 0 5 10 20 30 40
VERT 0 0.5 1 2 3 4
SCALE 1:50 AT A1 SIZE
SCALE 1:100 AT A3 SIZE

PRELIMINARY
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VER	DATE	REVISION	APPD.
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Coords: MGA Levels: AHD

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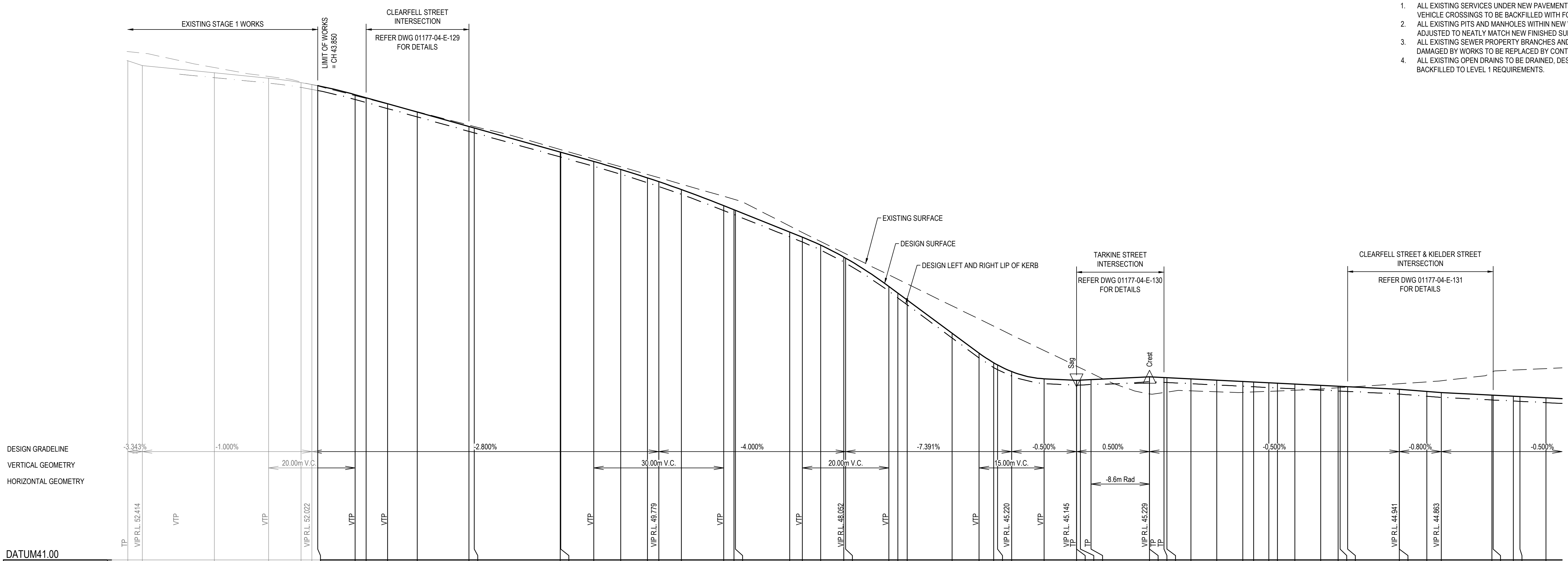
CARDINIA SHIRE COUNCIL

415 PRINCES HIGHWAY, OFFICER VIC 3809
HILLSTOWE ESTATE, STAGE 4

ROAD LONGITUDINAL SECTIONS
SHEET 2 OF 6

SCALE 1:500 H, 1:50 V @A1
VERSION A
SHEET 15 OF 53
DRAWING No.
01177-04-E-114



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CHAINAGE	DESIGN CENTRELINE	LEFT LIP OF KERB	RIGHT LIP OF KERB	EXISTING SURFACE
0	52.526			52.74
3.35	52.414			52.7
20	52.248	52.136	52.136	52.37
32.5	52.123	52.011	52.011	52.17
40	52.022	51.911	51.911	52.04
42.5	51.977	51.864	51.864	51.98
43.85	51.951	51.839	51.839	51.95
52.5	51.742	51.631	51.631	51.73
55.05	51.671	51.56	51.56	51.66
60	51.532	51.421	51.421	51.53
66.85	51.341	51.229	51.229	51.36
78.8	51.006	50.895	50.895	51.05
80	50.973	50.861	50.861	51.01
99.85	50.417	50.305	50.305	50.48
100	50.413	50.301	50.301	50.48
107.619	50.199	50.088	50.088	50.26
113.85	50.017	49.905	49.905	50.08
120	49.822	49.71	49.71	49.91
122.619	49.734	49.621	49.621	49.83
127.85	49.551	49.439	49.439	49.68
137.619	49.179	49.068	49.068	49.4
140	49.084	48.972	48.972	49.33
140.35	49.07	48.958	48.958	49.32
152.85	48.57	48.458	48.458	48.72
155.786	48.453	48.341	48.341	48.57
160	48.269	48.157	48.157	48.36
165.35	47.992	47.881	47.881	48.1
165.786	47.968	47.855	47.855	48.08
175.786	47.313	47.202	47.202	47.59
177.85	47.161	47.049	47.049	47.49
180	47.002	46.89	46.89	47.39
190.35	46.237	46.125	46.125	46.88
196.608	45.774	45.663	45.663	46.57
200	45.55	45.438	45.438	46.41
200.85	45.502	45.391	45.391	46.37
204.108	45.349	45.244	45.244	46.21
211.608	45.183	45.071	45.071	45.85
219.108	45.145	45.033	45.033	45.49
219.108	45.145	45.033	45.033	45.49
220	45.149	45.038	45.038	45.44
222.458	45.162	45.051	45.05	45.32
235.962	45.229	45.084	45.118	44.84
235.967	45.229	45.084	45.118	44.84
239.317	45.212	45.101	45.101	44.86
240	45.209	45.098	45.098	44.87
245.517	45.181	45.07	45.07	44.9
251.517	45.151	45.04	45.04	44.88
257.517	45.121	45.01	45.01	44.87
260	45.109	44.998	44.998	44.88
263.517	45.091	44.98	44.98	44.89
265.517	45.081	44.97	44.97	44.9
269.517	45.061	44.95	44.95	44.92
275.517	45.031	44.92	44.92	44.95
279.517	45.011	44.9	44.9	44.97
280	45.009	44.897	44.897	44.98
281.717	45	44.889	44.889	44.99
293.667	44.941	44.829	44.829	45.07
293.667	44.941	44.829	44.829	45.07
300	44.89	44.778	44.778	45.11
303.367	44.863	44.752	44.752	45.13
315.017	44.805	44.693	44.693	45.32
315.317	44.803	44.692	44.692	45.34
320	44.78	44.668	44.668	45.38
321.517	44.772	44.661	44.661	45.39
327.517	44.742	44.631	44.631	45.42

EVERFAIR CRESCENT

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SCALE 1:500 AT A1 SIZE
SCALE 1:1000 AT A3 SIZE
HORIZ 0 5 10 20 30 40
VERT 0 0.5 1 2 3 4
SCALE 1:50 AT A1 SIZE
SCALE 1:100 AT A3 SIZE

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CARDINIA SHIRE COUNCIL

415 PRINCES HIGHWAY, OFFICER VIC 3809
HILLSTOWE ESTATE, STAGE 4

ROAD LONGITUDINAL SECTIONS
SHEET 3 OF 6

SCALE	1:500 H, 1:50 V @A1
VERSION	A
SHEET	16 OF 53
DRAWING No.	01177-04-E-115

NOTES:

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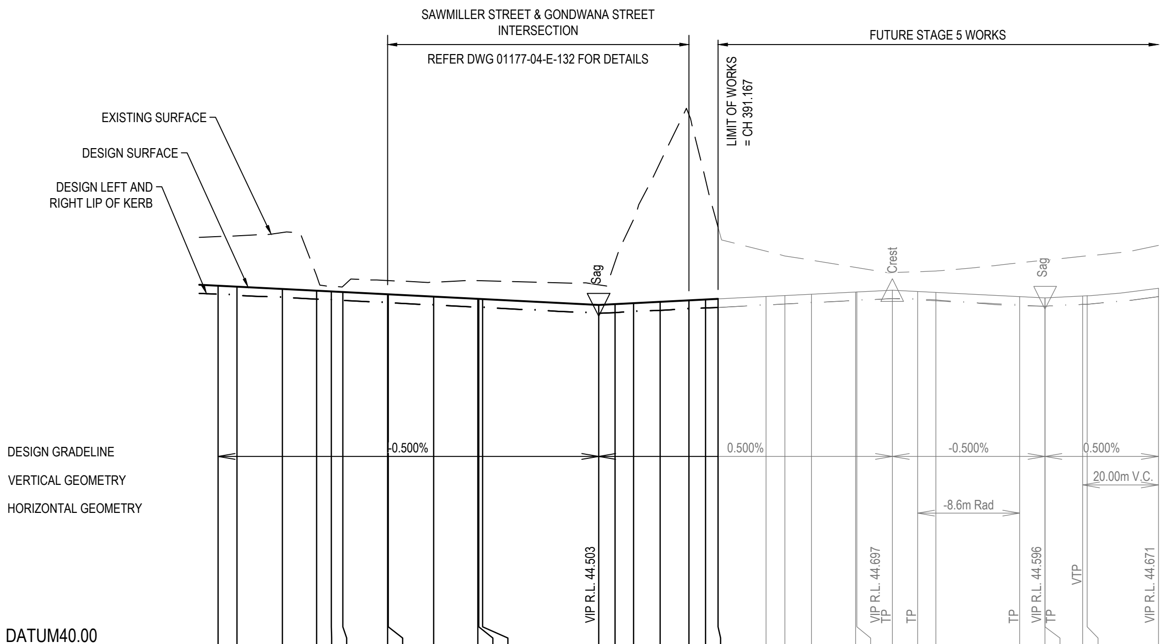
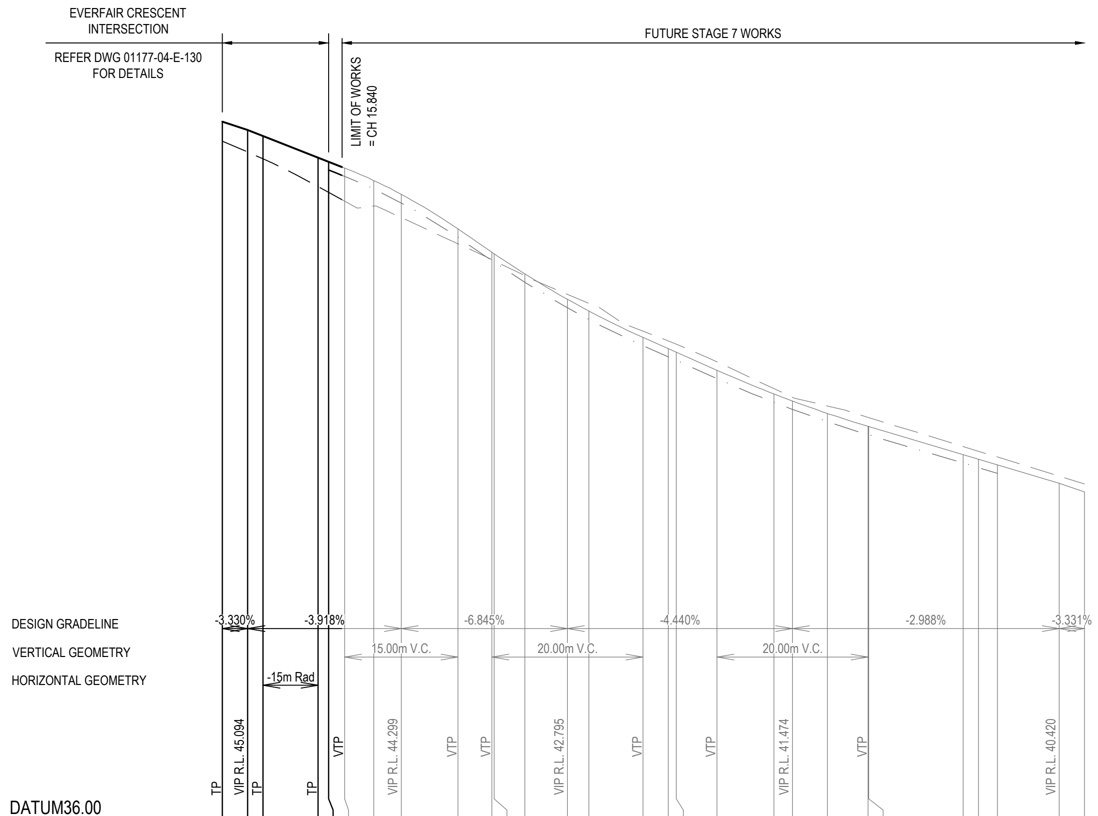


CHAINAGE	DESIGN CENTRELINE	LEFT LIP OF KERB	RIGHT LIP OF KERB	EXISTING SURFACE
325	44.755	44.643	44.643	45.41
327.517	44.742	44.631	44.631	45.42
333.517	44.712	44.601	44.601	45.46
338.017	44.69	44.578	44.578	44.89
340	44.68	44.568	44.568	44.75
341.517	44.672	44.561	44.561	44.75
347.417	44.643	44.531	44.531	44.82
347.517	44.642	44.531	44.531	44.82
353.517	44.612	44.501	44.501	44.8
359.367	44.583	44.472	44.472	44.82
359.517	44.582	44.471	44.471	44.82
360	44.58	44.468	44.468	44.82
375.367	44.503	44.392	44.392	44.77
377.517	44.514	44.402	44.402	45.07
380	44.526	44.415	44.415	45.64
383.517	44.544	44.432	44.432	46.39
387.317	44.563	44.451	44.451	47.01
389.517	44.574	44.462	44.462	46.15
391.167	44.582	44.471	44.471	45.53
397.517	44.614	44.502	44.502	45.21
400	44.626	44.515	44.515	45.15
403.517	44.644	44.532	44.532	45.09
409.367	44.673	44.562	44.562	45
409.517	44.674	44.562	44.562	45
414.225	44.697	44.586	44.586	44.93
417.575	44.681	44.581	44.57	44.94
420	44.669	44.568	44.556	44.95
431.085	44.613	44.489	44.501	45.06
434.436	44.596	44.485	44.485	45.09
434.436	44.596	44.485	44.485	45.09
439.436	44.621	44.51	44.51	45.14
440	44.624	44.513	44.513	45.15
449.436	44.724	44.614	44.614	45.29

EVERFAIR CRESCENT



CHAINAGE	DESIGN CENTRELINE	LEFT LIP OF KERB	RIGHT LIP OF KERB	EXISTING SURFACE
0	45.206			44.95
3.35	45.094			44.8
5.378	45.015			44.71
12.658	44.73			44.35
14.04	44.676	44.564	44.564	44.27
16.153	44.593	44.481	44.481	44.15
20	44.428	44.316	44.316	44.09
23.653	44.244	44.128	44.128	43.94
31.153	43.786	43.674	43.674	43.59
35.62	43.48	43.368	43.368	43.38
35.94	43.458	43.346	43.346	43.37
40	43.191	43.08	43.08	43.17
45.62	42.855	42.745	42.745	42.92
48.44	42.701	42.589	42.589	42.8
55.62	42.351	42.24	42.24	42.43
58.94	42.204	42.092	42.092	42.31
60	42.157	42.045	42.045	42.26
65.381	41.918	41.806	41.806	42.03
72.94	41.603	41.491	41.491	41.67
75.381	41.51	41.399	41.399	41.56
80	41.346	41.235	41.235	41.44
85.381	41.175	41.063	41.063	41.29
85.44	41.173	41.062	41.062	41.29
97.94	40.8	40.688	40.688	40.91
100	40.738	40.627	40.627	40.84
102.474	40.664			40.77
110.651	40.42			40.52
114.001	40.308			40.41

TARKINE STREET

DIAL BEFORE YOU DIG www.1100.com.au

WARNING
BEWARE OF UNDERGROUND SERVICES

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SCALE 1:500 AT A1 SIZE
SCALE 1:1000 AT A3 SIZE
HORIZ 0 5 10 20 30 40
VERT 0 0.5 1 2 3 4
SCALE 1:50 AT A1 SIZE
SCALE 1:100 AT A3 SIZE

PRELIMINARY
NOT FOR CONSTRUCTION

VER	DATE	REVISION	APPD.
A	18/09/2020	PRELIMINARY ISSUE	LOD

Coords: MGA Levels: AHD

TAYLORS
Urban Development | Infrastructure
8 / 270 Ferntree Gully Road, Notting Hill, Victoria, 3168
Tel: 61 3 9501 2800 | Web: taylorsds.com.au

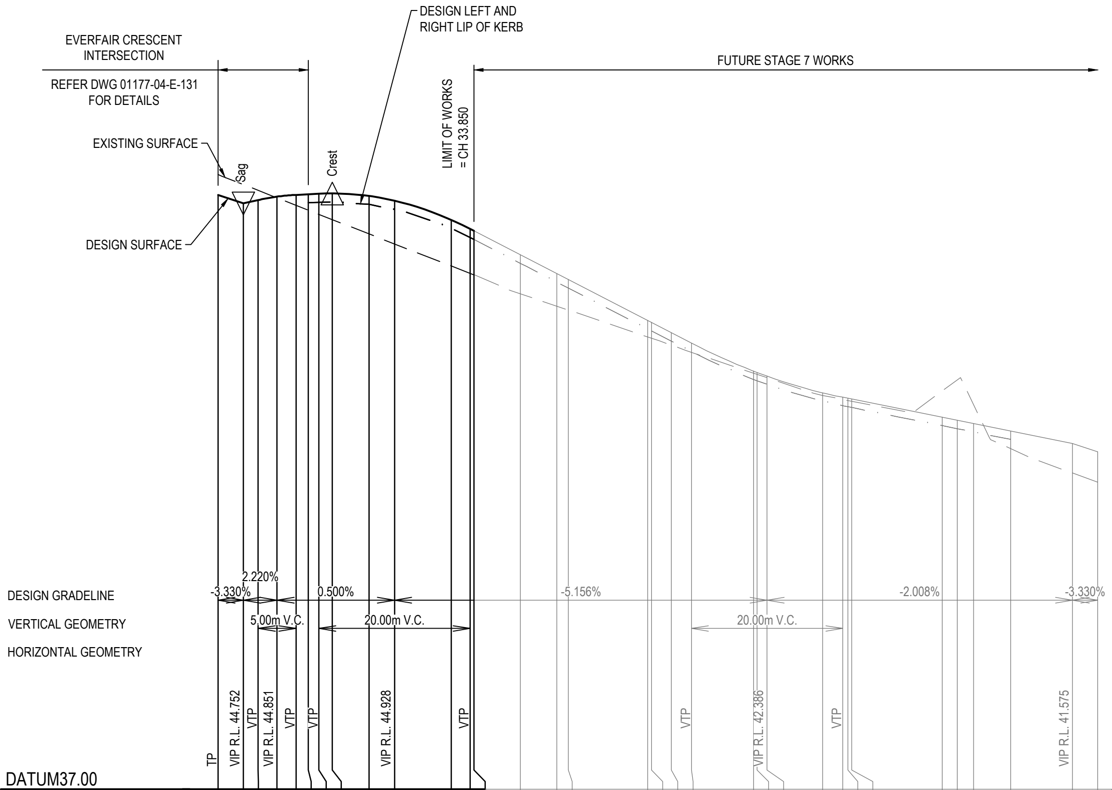
DESIGNED:	LOD	AUTHORISED:	JOY	DRAFTED:	WGO
CHECKED:	ADK	AUTH. DATE:	18/09/2020	CAD REF:	01177-04-E-113-118

CARDINIA SHIRE COUNCIL
415 PRINCES HIGHWAY, OFFICER VIC 3809
HILLSTOWE ESTATE, STAGE 4
ROAD LONGITUDINAL SECTIONS
SHEET 4 OF 6

SCALE 1:500 H, 1:50 V @A1
VERSION A
SHEET 17 OF 53
DRAWING No. 01177-04-E-116

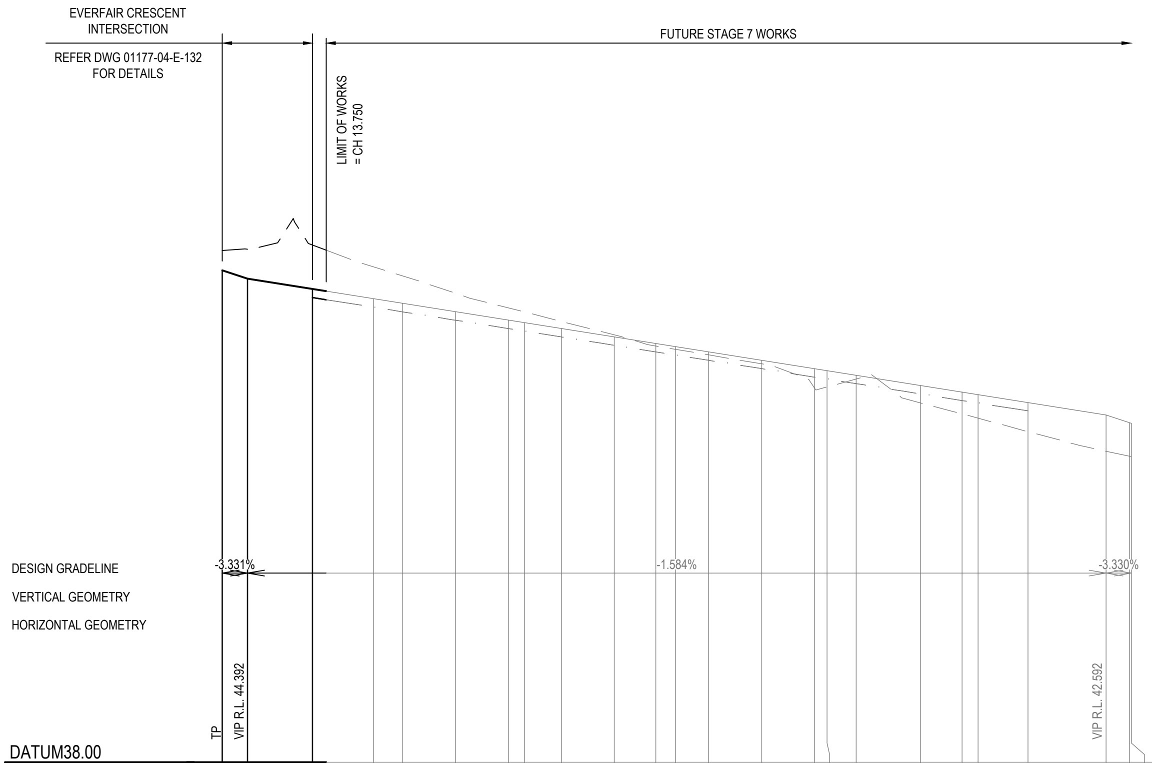
NOTES:

1. ALL EXISTING SERVICES UNDER NEW PAVEMENTS, PATHS AND VEHICLE CROSSINGS TO BE BACKFILLED WITH FCR.
2. ALL EXISTING PITS AND MANHOLES WITHIN NEW WORKS TO BE ADJUSTED TO NEATLY MATCH NEW FINISHED SURFACE.
3. ALL EXISTING SEWER PROPERTY BRANCHES AND HOUSE DRAINS DAMAGED BY WORKS TO BE REPLACED BY CONTRACTOR.
4. ALL EXISTING OPEN DRAINS TO BE DRAINED, DESLUDGED AND BACKFILLED TO LEVEL 1 REQUIREMENTS.



CHAINAGE	DESIGN CENTRELINE	LEFT LIP OF KERB	RIGHT LIP OF KERB	EXISTING SURFACE
0	44.863			45.13
3.35	44.752			45
5.312	44.795			44.92
7.812	44.84			44.82
10.312	44.863			44.73
11.95	44.871	44.76	44.76	44.66
13.35	44.878	44.767	44.767	44.61
15.118	44.883	44.771	44.771	44.54
20	44.849	44.737	44.737	44.35
23.35	44.787	44.668	44.668	44.21
30.85	44.533	44.421	44.421	43.92
33.35	44.413	44.301	44.301	43.82
33.85	44.387	44.275	44.275	43.8
40	44.07	43.958	43.958	43.56
44.85	43.82	43.708	43.708	43.39
46.35	43.743	43.631	43.631	43.34
56.85	43.201	43.09	43.09	42.98
57.35	43.175	43.064	43.064	42.97
60	43.039	42.927	42.927	42.87
62.666	42.901	42.79	42.79	42.78
70.85	42.532	42.421	42.421	42.5
71.35	42.513	42.401	42.401	42.49
72.666	42.464	42.355	42.355	42.44
80	42.244	42.133	42.133	42.21
82.666	42.185	42.073	42.073	42.16
83.35	42.171	42.06	42.06	42.14
83.85	42.161	42.05	42.05	42.13
95.85	41.92	41.809	41.809	42.27
97.85	41.88	41.769	41.769	42.42
100	41.837	41.725	41.725	42.08
104.892	41.739			41.5
113.069	41.575			41.18
116.419	41.463			41.06

KIELDER STREET



CHAINAGE	DESIGN CENTRELINE	LEFT LIP OF KERB	RIGHT LIP OF KERB	EXISTING SURFACE
0	44.503			44.77
3.35	44.392			44.78
11.95	44.255	44.144	44.144	44.84
20	44.128	44.016	44.016	44.55
23.85	44.067	43.955	43.955	44.43
30.85	43.956	43.844	43.844	44.2
37.85	43.845	43.733	43.733	44.01
40	43.811	43.699	43.699	43.95
44.85	43.734	43.622	43.622	43.83
51.85	43.623	43.512	43.512	43.65
57.35	43.536	43.424	43.424	43.5
60	43.494	43.382	43.382	43.46
64.35	43.425	43.313	43.313	43.39
71.35	43.314	43.203	43.203	43.27
78.35	43.203	43.092	43.092	42.95
80	43.177	43.065	43.065	42.96
83.85	43.116	43.004	43.004	43.07
92.35	42.981	42.87	42.87	42.75
97.85	42.894	42.783	42.783	42.61
100	42.86	42.749	42.749	42.55
106.604	42.756	42.644	42.644	42.37
116.903	42.592			42.11
120	42.489			42.04
120.253	42.481			42.04

GONDWANA STREET

DIAL BEFORE YOU DIG www.1100.com.au

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SCALE 1:500 AT A1 SIZE
SCALE 1:1000 AT A3 SIZE
HORIZ 0 5 10 20 30 40
VERT 0 0.5 1 2 3 4
SCALE 1:50 AT A1 SIZE
SCALE 1:100 AT A3 SIZE

PRELIMINARY
NOT FOR CONSTRUCTION

VER	DATE	REVISION	APPD.
A	18/09/2020	PRELIMINARY ISSUE	LOD

Coords: MGA Levels: AHD

TAYLORS
Urban Development | Infrastructure
8 / 270 Ferntree Gully Road, Notting Hill, Victoria, 3168
Tel: 61 3 9501 2800 | Web: taylorsds.com.au

DESIGNED:	LOD	AUTHORISED:	JOY	DRAFTED:	WGO
CHECKED:	ADK	AUTH. DATE:	18/09/2020	CAD REF:	01177-04-E-113-118

CARDINIA SHIRE COUNCIL
415 PRINCES HIGHWAY, OFFICER VIC 3809
HILLSTOWE ESTATE, STAGE 4
ROAD LONGITUDINAL SECTIONS
SHEET 5 OF 6

SCALE	1:500 H, 1:50 V @A1
VERSION	A
SHEET	18 OF 53
DRAWING No.	01177-04-E-117

NOTES:

1. ALL EXISTING SERVICES UNDER NEW PAVEMENTS, PATHS AND VEHICLE CROSSINGS TO BE BACKFILLED WITH FCR.
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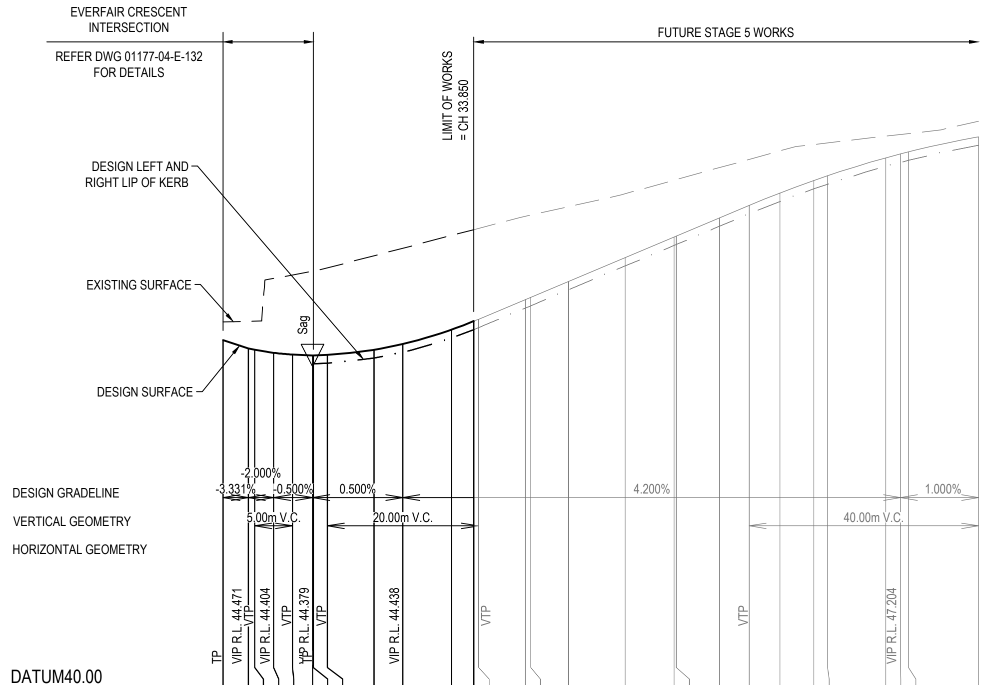

CHAINAGE	DESIGN CENTRELINE	LEFT LIP OF KERB	RIGHT LIP OF KERB	EXISTING SURFACE
0	44.583			44.82
3.35	44.471			44.83
4.2	44.454			44.83
6.7	44.414			45.4
9.2	44.392			45.44
11.85	44.379			45.49
11.95	44.379	44.268	44.268	45.5
13.808	44.388	44.277	44.277	45.54
20	44.455	44.343	44.343	45.7
23.808	44.531	44.424	44.424	45.8
30.208	44.719	44.608	44.608	45.96
33.208	44.834	44.722	44.722	46.04
33.808	44.858	44.747	44.747	46.06
40	45.118	45.007	45.007	46.22
40.708	45.148	45.037	45.037	46.23
45.708	45.358	45.247	45.247	46.35
53.208	45.673	45.562	45.562	46.52
59.708	45.946	45.835	45.835	46.7
60	45.958	45.847	45.847	46.71
65.708	46.198	46.087	46.087	46.86
69.654	46.364	46.252	46.252	46.97
73.708	46.528	46.416	46.416	47.08
78.208	46.694	46.582	46.582	47.17
80	46.756	46.644	46.644	47.19
87.708	46.992	46.88	46.88	47.28
89.654	47.044	46.932	46.932	47.3
90.708	47.071	46.959	46.959	47.31
100	47.27	47.159	47.159	47.48

SAWMILLER STREET

DIAL BEFORE YOU DIG www.1100.com.au

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SCALE 1:500 AT A1 SIZE
SCALE 1:1000 AT A3 SIZE
HORIZ 0 5 10 20 30 40
VERT 0 0.5 1 2 3 4
SCALE 1:50 AT A1 SIZE
SCALE 1:100 AT A3 SIZE

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VER	DATE	REVISION	APPD.
A	18/09/2020	PRELIMINARY ISSUE	LOD

Coords: MGA Levels: AHD

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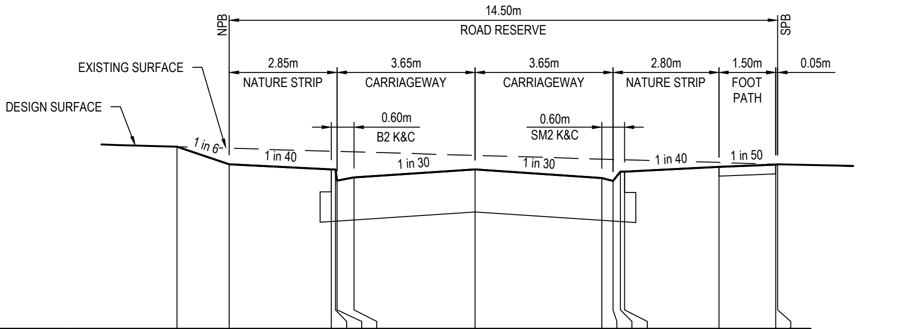
DESIGNED:	LOD	AUTHORISED:	JOY	DRAFTED:	WGO
CHECKED:	ADK	AUTH. DATE:	18/09/2020	CAD REF:	01177-04-E-113-118

CARDINIA SHIRE COUNCIL

415 PRINCES HIGHWAY, OFFICER VIC 3809
HILLSTOWE ESTATE, STAGE 4

ROAD LONGITUDINAL SECTIONS
SHEET 6 OF 6

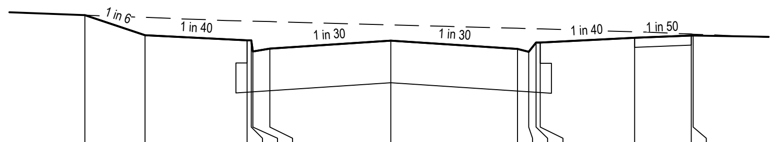
SCALE 1:500 H, 1:50 V @A1
VERSION A
SHEET 19 OF 53
DRAWING No.
01177-04-E-118



DATUM RL 48

DESIGN SURFACE	50.409	50.178	50.111	50.111	49.961	50.001	50.107	49.996	49.956	50.081	50.081	50.143	50.173	50.174
EXISTING SURFACE	50.41	50.39	50.35	50.35	50.35	50.34	50.29	50.24	50.24	50.24	50.24	50.2	50.18	50.18
OFFSET	-7.885	-6.500	-3.800	-3.690	-3.650	-3.200	0.000	3.350	3.650	3.840	3.950	6.450	7.950	8.000

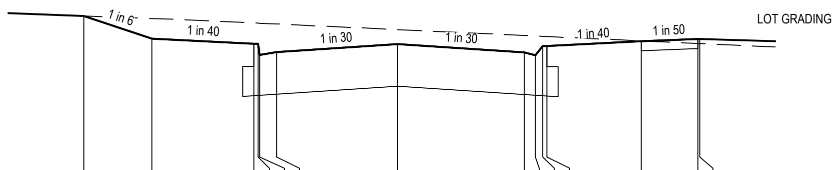
TPCH 54.350



DATUM RL 49

DESIGN SURFACE	50.734	50.468	50.401	50.401	50.251	50.291	50.398	50.286	50.246	50.371	50.371	50.433	50.463	50.465
EXISTING SURFACE	50.73	50.7	50.66	50.66	50.65	50.65	50.61	50.56	50.56	50.55	50.55	50.51	50.48	50.48
OFFSET	-8.092	-6.500	-3.800	-3.690	-3.650	-3.200	0.000	3.350	3.650	3.840	3.950	6.450	7.950	8.000

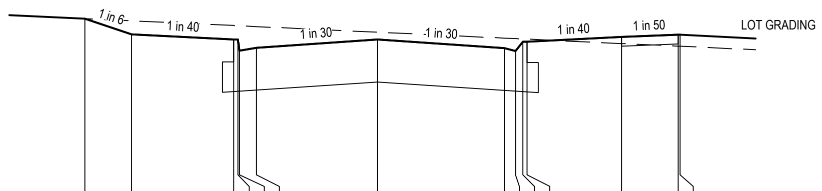
CH 41.150



DATUM RL 49

DESIGN SURFACE	51.122	50.82	50.753	50.753	50.603	50.643	50.75	50.638	50.598	50.723	50.723	50.785	50.815	50.817
EXISTING SURFACE	51.12	51.09	51.03	51.03	51.03	51.01	50.94	50.86	50.86	50.85	50.85	50.79	50.76	50.75
OFFSET	-8.307	-6.500	-3.800	-3.690	-3.650	-3.200	0.000	3.350	3.650	3.840	3.950	6.450	7.950	8.000

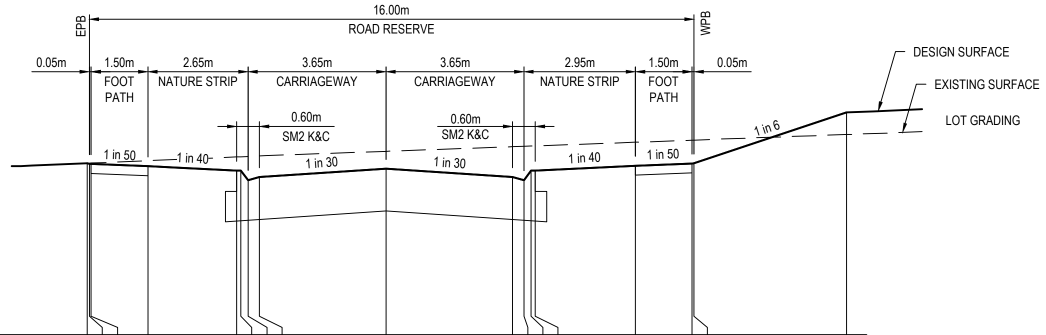
CH 25.150



DATUM RL 49

DESIGN SURFACE	51.317	51.111	51.043	51.043	50.893	50.933	51.04	50.928	50.888	51.013	51.013	51.076	51.106	51.107
EXISTING SURFACE	51.32	51.29	51.23	51.22	51.22	51.21	51.14	51.06	51.05	51.05	51.05	50.99	50.95	50.95
OFFSET	-7.739	-6.500	-3.800	-3.690	-3.650	-3.200	0.000	3.350	3.650	3.840	3.950	6.450	7.950	8.000

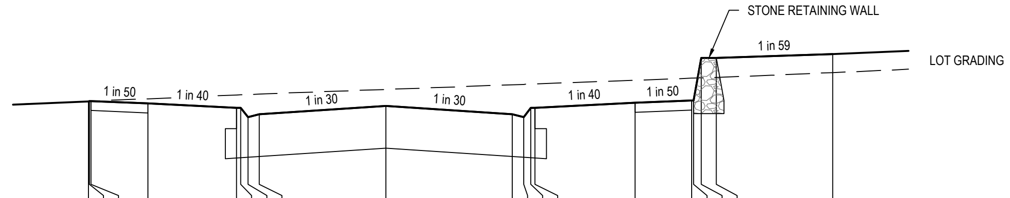
TPCH 11.950



DATUM RL 47

DESIGN SURFACE	49.272	49.263	49.262	49.232	49.173	49.173	49.048	49.088	49.199	49.088	49.048	49.173	49.173	49.239	49.269	49.27	49.943
EXISTING SURFACE	49.27	49.27	49.27	49.31	49.36	49.36	49.36	49.37	49.43	49.49	49.5	49.5	49.5	49.55	49.58	49.58	49.65
OFFSET	-7.903	-7.850	-7.800	-6.300	-3.950	-3.840	-3.650	-3.350	0.000	3.350	3.650	3.840	3.950	6.600	8.100	8.150	12.186

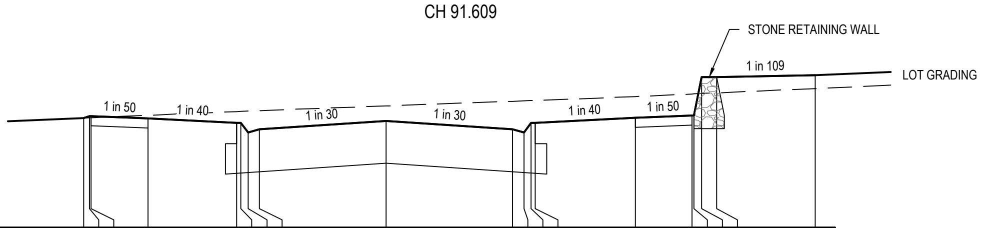
CH 95.609



DATUM RL 48

DESIGN SURFACE	49.347	49.351	49.35	49.32	49.261	49.261	49.136	49.176	49.287	49.176	49.136	49.261	49.261	49.327	49.357	49.358	49.92	49.92	49.972
EXISTING SURFACE	49.35	49.35	49.35	49.38	49.43	49.43	49.44	49.44	49.5	49.57	49.57	49.57	49.58	49.62	49.65	49.65	49.66	49.66	49.73
OFFSET	-7.874	-7.850	-7.800	-6.300	-3.950	-3.840	-3.650	-3.350	0.000	3.350	3.650	3.840	3.950	6.600	8.100	8.150	8.350	8.750	11.833

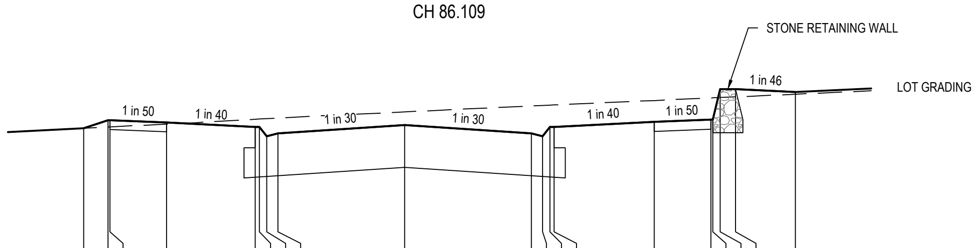
CH 91.609



DATUM RL 48

DESIGN SURFACE	49.447	49.472	49.471	49.441	49.382	49.382	49.257	49.297	49.408	49.297	49.257	49.382	49.382	49.448	49.478	49.479	49.989	49.989	50.013
EXISTING SURFACE	49.45	49.45	49.45	49.48	49.53	49.53	49.54	49.54	49.61	49.67	49.67	49.68	49.68	49.73	49.76	49.77	49.77	49.78	49.84
OFFSET	-8.001	-7.850	-7.800	-6.300	-3.950	-3.840	-3.650	-3.350	0.000	3.350	3.650	3.840	3.950	6.600	8.100	8.150	8.350	8.750	11.352

CH 86.109



DATUM RL 48

DESIGN SURFACE	49.618	49.726	49.725	49.695	49.636	49.636	49.511	49.551	49.663	49.551	49.511	49.636	49.636	49.702	49.732	49.733	50.133	50.133	50.099
EXISTING SURFACE	49.62	49.63	49.64	49.67	49.74	49.74	49.74	49.75	49.83	49.91	49.92	49.92	49.93	49.98	50.02	50.02	50.02	50.03	50.07
OFFSET	-8.495	-7.850	-7.800	-6.300	-3.950	-3.840	-3.650	-3.350	0.000	3.350	3.650	3.840	3.950	6.600	8.100	8.150	8.350	8.750	10.341

TPCH 74.559

CLEARFELL STREET

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WARNING

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SCALE 1:100 AT A1 SIZE
SCALE 1:200 AT A3 SIZE
HORIZ 0 1 2 4 6 8
VERT 0 0.5 1 2 3 4
SCALE 1:50 AT A1 SIZE
SCALE 1:100 AT A3 SIZE

PRELIMINARY
NOT FOR CONSTRUCTION

VER	DATE	REVISION	APPD.
A	18/09/2020	PRELIMINARY ISSUE	LOD

DENOTES STRUCTURAL FILL COMPACTED TO LEVEL 1 REQUIREMENTS.
NOTE:
STRUCTURAL FILL MATERIAL TO BE APPROVED GRANULAR MATERIAL SPREAD IN SUCCESSIVE LAYERS NOT EXCEEDING 150mm (LOOSE MEASUREMENT) AND COMPACTED THROUGHOUT TO A DRY DENSITY OF NOT LESS THAN 98% STANDARD COMPACTION

Coords: MGA Levels: AHD

TAYLORS
Urban Development | Infrastructure
8 / 270 Ferntree Gully Road, Notting Hill, Victoria, 3168
Tel: 61 3 9501 2800 | Web: taylorsds.com.au

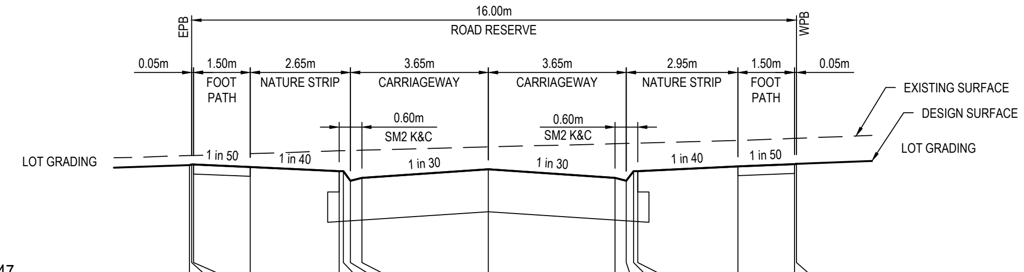
DESIGNED:	LOD	AUTHORISED:	JOY	DRAFTED:	WGO
CHECKED:	ADK	AUTH. DATE:	18/09/2020	CAD REF:	01177-04-E-119-128

CARDINIA SHIRE COUNCIL

415 PRINCES HIGHWAY, OFFICER VIC 3809
HILLSTOWE ESTATE, STAGE 4

ROAD CROSS SECTIONS
SHEET 1 OF 10

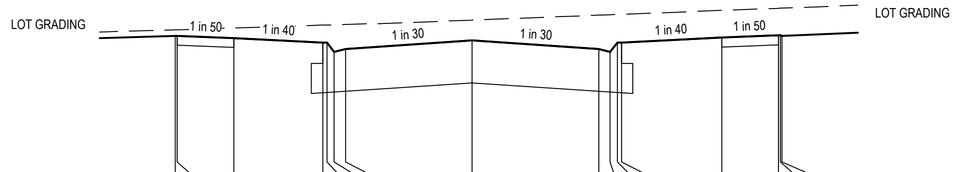
SCALE	1:100 H, 1:50 V @ A1
VERSION	A
SHEET	20 OF 53
DRAWING No.	01177-04-E-119



DATUM RL 47

DESIGN SURFACE	48.539	48.549	48.548	48.518	48.459	48.459	48.334	48.374	48.486	48.374	48.334	48.459	48.459	48.525	48.555	48.557
EXISTING SURFACE	48.67	48.67	48.67	48.69	48.73	48.73	48.73	48.74	48.78	48.83	48.83	48.83	48.83	48.87	48.9	48.9
OFFSET	-7.908	-7.850	-7.800	-6.300	-3.950	-3.840	-3.650	-3.350	0.000	3.350	3.650	3.840	3.950	6.600	8.100	8.150

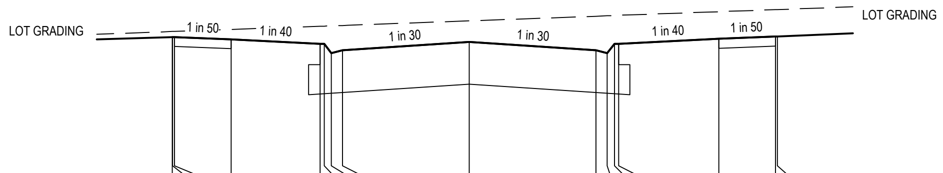
CH 123.609



DATUM RL 47

DESIGN SURFACE	48.92	48.919	48.889	48.83	48.83	48.705	48.745	48.857	48.745	48.705	48.83	48.83	48.896	48.926	48.928	48.92
EXISTING SURFACE	49	49	49.02	49.06	49.06	49.06	49.07	49.13	49.19	49.2	49.2	49.2	49.25	49.28	49.28	49.29
OFFSET	-7.850	-7.800	-6.300	-3.950	-3.840	-3.650	-3.350	0.000	3.350	3.650	3.840	3.950	6.600	8.100	8.150	8.197

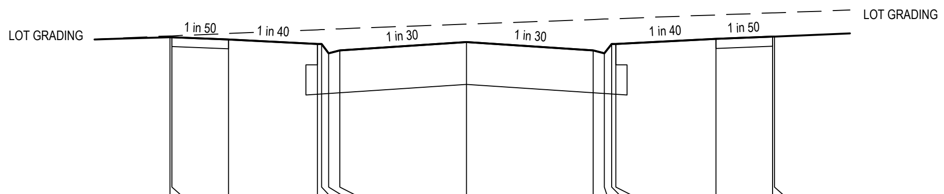
CH 111.109



DATUM RL 47

DESIGN SURFACE	48.953	48.955	48.953	48.923	48.865	48.865	48.74	48.78	48.891	48.78	48.74	48.865	48.865	48.931	48.961	48.962
EXISTING SURFACE	49.03	49.03	49.03	49.05	49.1	49.1	49.1	49.11	49.17	49.23	49.24	49.24	49.24	49.29	49.32	49.32
OFFSET	-7.860	-7.850	-7.800	-6.300	-3.950	-3.840	-3.650	-3.350	0.000	3.350	3.650	3.840	3.950	6.600	8.100	8.150

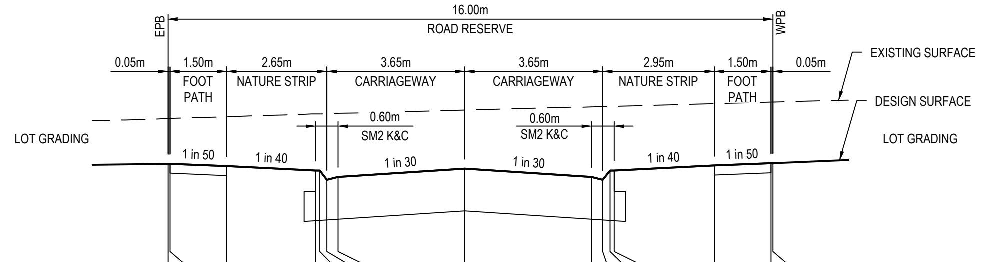
CH 109.609



DATUM RL 47

DESIGN SURFACE	49.23	49.229	49.199	49.14	49.14	49.015	49.055	49.166	49.055	49.015	49.14	49.14	49.206	49.236	49.237
EXISTING SURFACE	49.24	49.25	49.28	49.33	49.33	49.33	49.34	49.4	49.46	49.47	49.47	49.47	49.52	49.55	49.55
OFFSET	-7.850	-7.800	-6.300	-3.950	-3.840	-3.650	-3.350	0.000	3.350	3.650	3.840	3.950	6.600	8.100	8.150

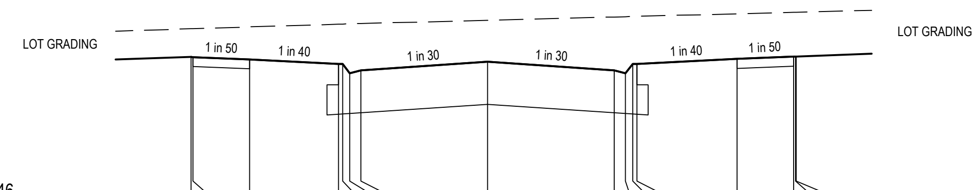
CH 97.109



DATUM RL 46

DESIGN SURFACE	47.412	47.41	47.38	47.322	47.322	47.197	47.237	47.348	47.237	47.197	47.322	47.322	47.388	47.418	47.419
EXISTING SURFACE	48.01	48.01	48.03	48.07	48.07	48.07	48.08	48.12	48.16	48.17	48.17	48.17	48.21	48.23	48.23
OFFSET	-7.850	-7.800	-6.300	-3.950	-3.840	-3.650	-3.350	0.000	3.350	3.650	3.840	3.950	6.600	8.100	8.150

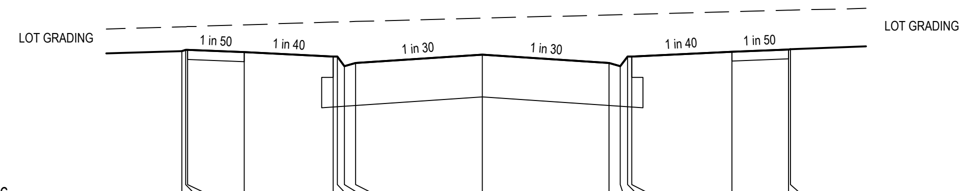
CH 148.609



DATUM RL 46

DESIGN SURFACE	47.887	47.885	47.855	47.797	47.797	47.672	47.712	47.823	47.712	47.672	47.797	47.797	47.863	47.893	47.894	47.891
EXISTING SURFACE	48.26	48.26	48.28	48.32	48.32	48.32	48.33	48.37	48.42	48.42	48.42	48.42	48.46	48.48	48.48	48.48
OFFSET	-7.850	-7.800	-6.300	-3.950	-3.840	-3.650	-3.350	0.000	3.350	3.650	3.840	3.950	6.600	8.100	8.150	8.167

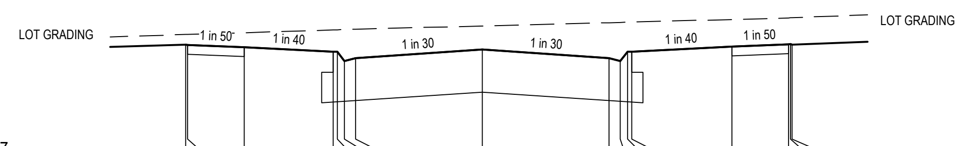
CH 139.109



DATUM RL 46

DESIGN SURFACE	48.015	48.032	48.031	48.001	47.942	47.942	47.817	47.857	47.969	47.857	47.817	47.942	47.942	48.008	48.038	48.04
EXISTING SURFACE	48.34	48.34	48.34	48.36	48.4	48.4	48.4	48.41	48.45	48.49	48.5	48.5	48.5	48.54	48.56	48.56
OFFSET	-7.952	-7.850	-7.800	-6.300	-3.950	-3.840	-3.650	-3.350	0.000	3.350	3.650	3.840	3.950	6.600	8.100	8.150

CH 136.109



DATUM RL 47

DESIGN SURFACE	48.495	48.493	48.463	48.405	48.405	48.28	48.32	48.431	48.32	48.28	48.405	48.405	48.471	48.501	48.502	48.495
EXISTING SURFACE	48.63	48.63	48.65	48.69	48.69	48.69	48.7	48.74	48.79	48.79	48.79	48.79	48.83	48.85	48.85	48.85
OFFSET	-7.850	-7.800	-6.300	-3.950	-3.840	-3.650	-3.350	0.000	3.350	3.650	3.840	3.950	6.600	8.100	8.150	8.191

CH 125.109

CLEARFELL STREET

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SCALE 1:100 AT A1 SIZE
SCALE 1:200 AT A3 SIZE
HORIZ 0 1 2 4 6 8
VERT 0 0.5 1 2 3 4
SCALE 1:50 AT A1 SIZE
SCALE 1:100 AT A3 SIZE

PRELIMINARY
NOT FOR CONSTRUCTION

VER	DATE	REVISION	APPD.
A	18/09/2020	PRELIMINARY ISSUE	LOD

DENOTES STRUCTURAL FILL COMPACTED TO LEVEL 1 REQUIREMENTS.
NOTE:
STRUCTURAL FILL MATERIAL TO BE APPROVED GRANULAR MATERIAL SPREAD IN SUCCESSIVE LAYERS NOT EXCEEDING 150mm (LOOSE MEASUREMENT) AND COMPACTED THROUGHOUT TO A DRY DENSITY OF NOT LESS THAN 98% STANDARD COMPACTION

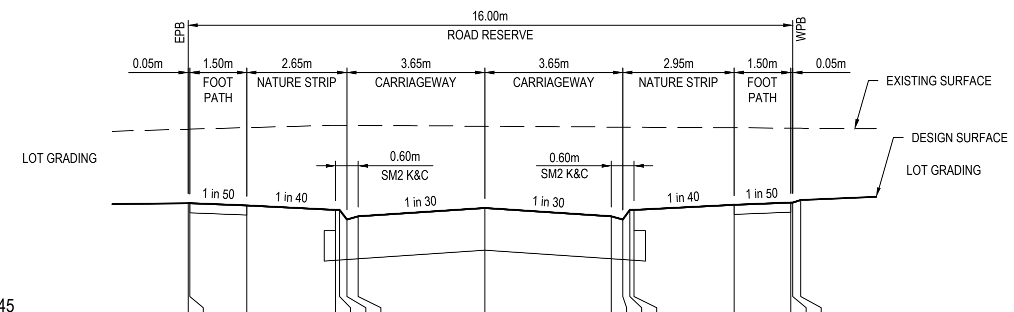
Coords: MGA Levels: AHD

TAYLORS
Urban Development | Infrastructure
8 / 270 Ferntree Gully Road, Notting Hill, Victoria, 3168
Tel: 61 3 9501 2800 | Web: taylorsds.com.au

DESIGNED:	LOD	AUTHORISED:	JOY	DRAFTED:	WGO
CHECKED:	ADK	AUTH. DATE:	18/09/2020	CAD REF:	01177-04-E-119-128

CARDINIA SHIRE COUNCIL
415 PRINCES HIGHWAY, OFFICER VIC 3809
HILLSTOWE ESTATE, STAGE 4
ROAD CROSS SECTIONS
SHEET 2 OF 10

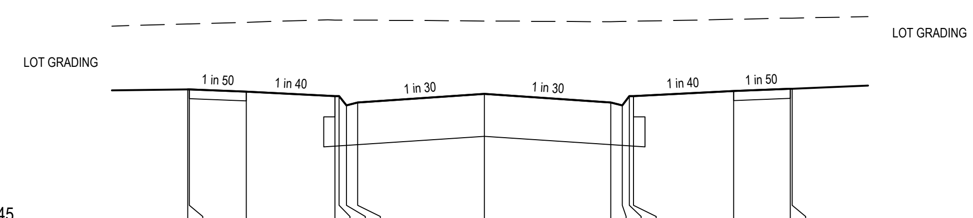
SCALE	1:100 H, 1:50 V @ A1
VERSION	A
SHEET	21 OF 53
DRAWING No.	01177-04-E-120



DATUM RL 45

DESIGN SURFACE	46.486	46.485	46.455	46.396	46.396	46.271	46.311	46.423	46.311	46.271	46.396	46.396	46.463	46.493	46.494	46.529
EXISTING SURFACE	47.47	47.47	47.49	47.52	47.52	47.52	47.52	47.51	47.49	47.49	47.49	47.49	47.48	47.48	47.48	47.48
OFFSET	-7.850	-7.800	-6.300	-3.950	-3.840	-3.650	-3.350	0.000	3.350	3.650	3.840	3.950	6.600	8.100	8.150	8.359

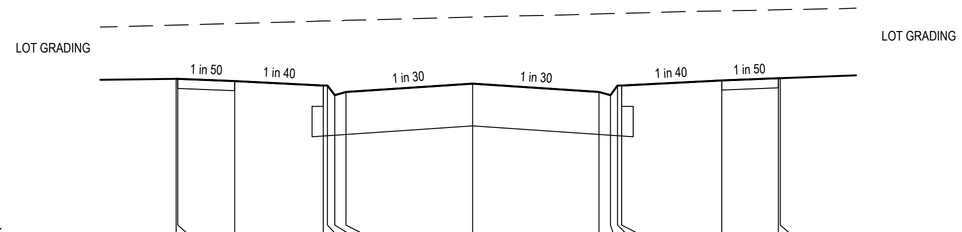
CH 167.109



DATUM RL 45

DESIGN SURFACE	46.787	46.785	46.755	46.697	46.697	46.572	46.612	46.723	46.612	46.572	46.697	46.697	46.763	46.793	46.794
EXISTING SURFACE	47.65	47.65	47.67	47.7	47.7	47.7	47.7	47.69	47.68	47.68	47.69	47.69	47.71	47.73	47.73
OFFSET	-7.850	-7.800	-6.300	-3.950	-3.840	-3.650	-3.350	0.000	3.350	3.650	3.840	3.950	6.600	8.100	8.150

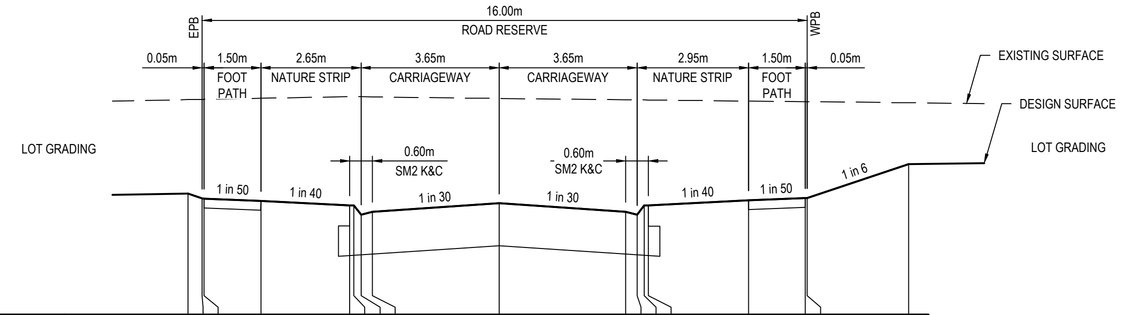
CH 161.109



DATUM RL 45

DESIGN SURFACE	47.186	47.185	47.155	47.096	47.096	46.971	47.011	47.123	47.011	46.971	47.096	47.096	47.163	47.193	47.194
EXISTING SURFACE	47.9	47.9	47.92	47.95	47.95	47.95	47.96	48	48.04	48.05	48.05	48.05	48.08	48.1	48.1
OFFSET	-7.850	-7.800	-6.300	-3.950	-3.840	-3.650	-3.350	0.000	3.350	3.650	3.840	3.950	6.600	8.100	8.150

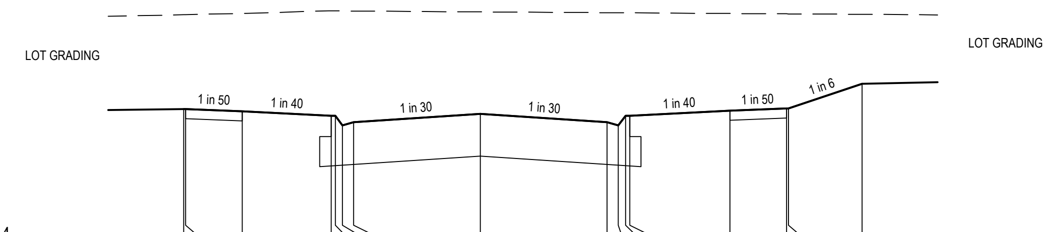
CH 153.109



DATUM RL 44

DESIGN SURFACE	45.599	45.537	45.535	45.505	45.447	45.447	45.322	45.362	45.473	45.362	45.322	45.447	45.447	45.513	45.543	45.544	45.991
EXISTING SURFACE	46.84	46.85	46.85	46.86	46.88	46.88	46.88	46.88	46.86	46.84	46.84	46.84	46.84	46.82	46.82	46.82	46.8
OFFSET	-8.227	-7.850	-7.800	-6.300	-3.950	-3.840	-3.650	-3.350	0.000	3.350	3.650	3.840	3.950	6.600	8.100	8.150	10.833

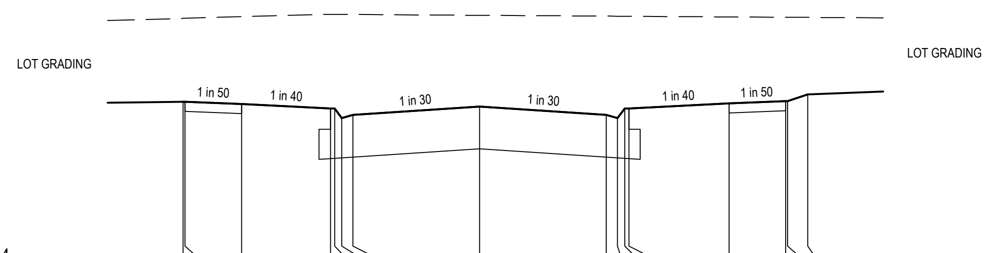
CH 186.109



DATUM RL 44

DESIGN SURFACE	45.786	45.785	45.755	45.696	45.696	45.571	45.611	45.723	45.611	45.571	45.696	45.696	45.763	45.793	45.794	46.119
EXISTING SURFACE	47.03	47.03	47.05	47.08	47.08	47.08	47.08	47.07	47.06	47.06	47.06	47.06	47.05	47.04	47.04	47.04
OFFSET	-7.850	-7.800	-6.300	-3.950	-3.840	-3.650	-3.350	0.000	3.350	3.650	3.840	3.950	6.600	8.100	8.150	10.099

CH 181.109



DATUM RL 44

DESIGN SURFACE	46.161	46.16	46.13	46.071	46.071	45.946	45.986	46.098	45.986	45.946	46.071	46.071	46.138	46.168	46.169	46.258
EXISTING SURFACE	47.26	47.26	47.29	47.32	47.32	47.32	47.31	47.3	47.29	47.29	47.29	47.29	47.28	47.28	47.28	47.28
OFFSET	-7.850	-7.800	-6.300	-3.950	-3.840	-3.650	-3.350	0.000	3.350	3.650	3.840	3.950	6.600	8.100	8.150	8.682

CH 173.609

CLEARFELL STREET

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SCALE 1:100 AT A1 SIZE
SCALE 1:200 AT A3 SIZE
HORIZ 0 1 2 4 6 8
VERT 0 0.5 1 2 3 4
SCALE 1:50 AT A1 SIZE
SCALE 1:100 AT A3 SIZE

PRELIMINARY
NOT FOR CONSTRUCTION

VER	DATE	REVISION	APPD.
A	18/09/2020	PRELIMINARY ISSUE	LOD

DENOTES STRUCTURAL FILL COMPACTED TO LEVEL 1 REQUIREMENTS.
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Coords: MGA Levels: AHD

TAYLORS
Urban Development | Infrastructure
8 / 270 Ferntree Gully Road, Notting Hill, Victoria, 3168
Tel: 61 3 9501 2800 | Web: taylorsds.com.au

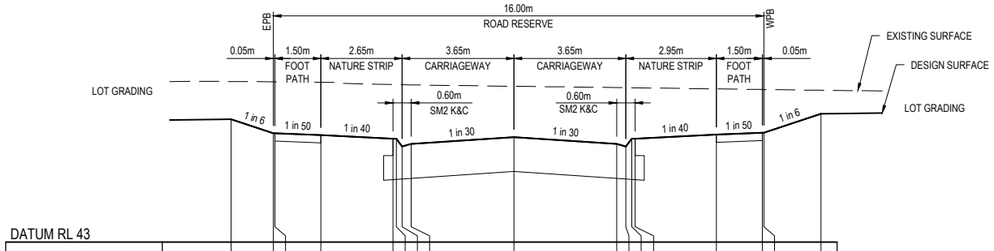
DESIGNED:	LOD	AUTHORISED:	JOY	DRAFTED:	WGO
CHECKED:	ADK	AUTH. DATE:	18/09/2020	CAD REF:	01177-04-E-119-128

CARDINIA SHIRE COUNCIL

415 PRINCES HIGHWAY, OFFICER VIC 3809
HILLSTOWE ESTATE, STAGE 4

ROAD CROSS SECTIONS
SHEET 3 OF 10

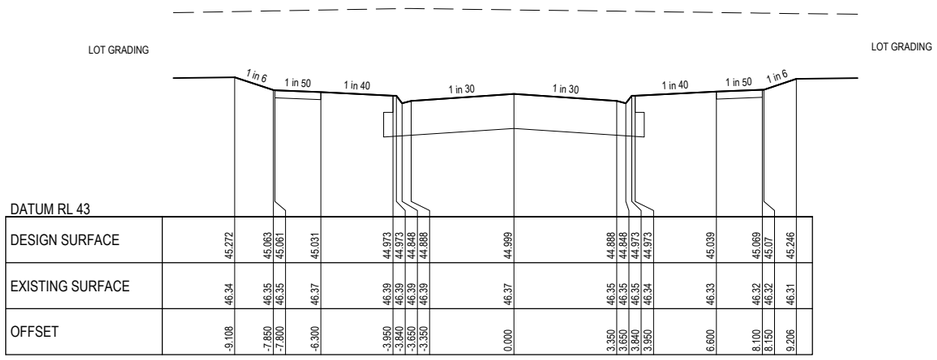
SCALE 1:100 H, 1:50 V @ A1
VERSION A
SHEET 22 OF 53
DRAWING No.
01177-04-E-121



DATUM RL 43

DESIGN SURFACE	45.003		44.774	44.772	44.742		44.684	44.684	44.559	44.599		44.71			44.599	44.559	44.684	44.684	44.51		44.75		44.78	44.781	45.092
EXISTING SURFACE	45.62		45.61	45.61	45.6		45.57	45.56	45.56	45.56		45.54			45.52	45.52	45.51	45.51	45.51		45.5		45.49	45.49	45.47
OFFSET	-9.227		-7.850	-7.800	-6.300		-3.950	-3.840	-3.650	-3.350		0.000			3.350	3.650	3.840	3.840	3.950		6.600		8.100	8.150	10.013

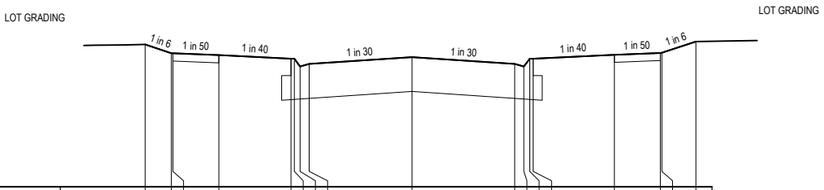
TPCH 214.867



DATUM RL 43

DESIGN SURFACE	45.272		45.063	45.061	45.031		44.973	44.973	44.848	44.888		44.999			44.888	44.848	44.973	44.973	44.834		45.039		45.069	45.07	45.246
EXISTING SURFACE	46.34		46.35	46.35	46.37		46.39	46.39	46.39	46.39		46.37			46.35	46.35	46.35	46.34	46.34		46.33		46.32	46.32	46.31
OFFSET	-9.108		-7.850	-7.800	-6.300		-3.950	-3.840	-3.650	-3.350		0.000			3.350	3.650	3.840	3.840	3.950		6.600		8.100	8.150	9.206

CH 196.609

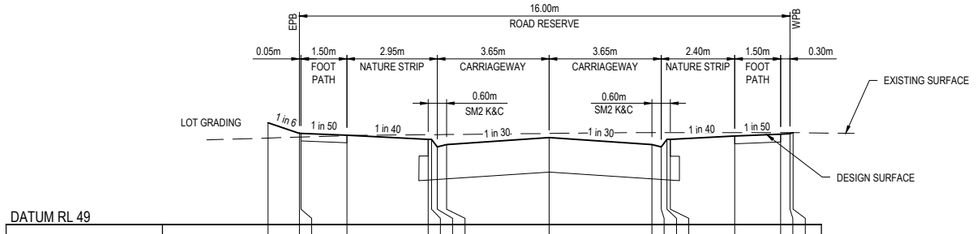


DATUM RL 43

DESIGN SURFACE	45.319		45.177	45.176	45.146		45.087	45.087	44.962	45.002		45.114			45.002	44.962	45.087	45.087	45.154		45.154		45.184	45.185	45.37
EXISTING SURFACE	46.49		46.49	46.49	46.51		46.53	46.53	46.53	46.53		46.51			46.49	46.49	46.48	46.48	46.47		46.47		46.46	46.46	46.45
OFFSET	-8.702		-7.850	-7.800	-6.300		-3.950	-3.840	-3.650	-3.350		0.000			3.350	3.650	3.840	3.840	3.950		6.600		8.100	8.150	9.261

CH 193.609

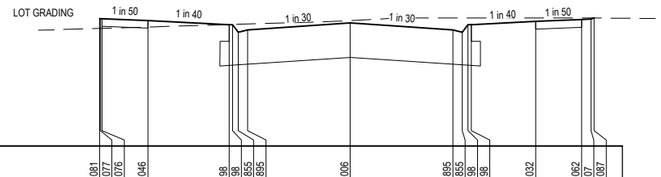
CLEARFELL STREET



DATUM RL 49

DESIGN SURFACE	50.658		50.488	50.486	50.456		50.39	50.39	50.265	50.305		50.417			50.305	50.265	50.39	50.39	50.443		50.473	50.48	50.498	
EXISTING SURFACE	50.41		50.43	50.43	50.45		50.46	50.47	50.47	50.47		50.48			50.5	50.5	50.5	50.5	50.5		50.5				
OFFSET	-9.172		-8.150	-8.100	-6.600		-3.950	-3.840	-3.650	-3.350		0.000			3.350	3.650	3.840	3.950	6.050		7.550	7.850	7.956		

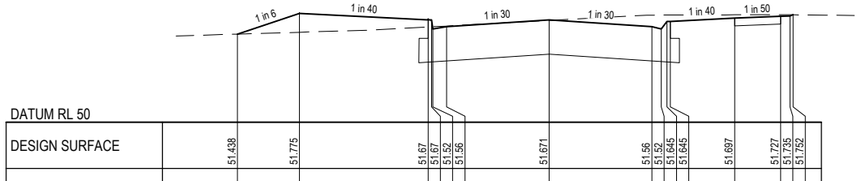
CH 99.850



DATUM RL 49

DESIGN SURFACE			51.081	51.077	51.076	51.046	50.98	50.98	50.855	50.895		51.006			50.895	50.855	50.98	50.98	51.032		51.062	51.07	51.087	
EXISTING SURFACE			50.92	50.92	50.92	50.94	50.98	50.98	50.98	50.99		51.05			51.09	51.09	51.09	51.09	51.09		51.09	51.09			
OFFSET			-8.173	-8.150	-8.100	-6.600	-3.950	-3.840	-3.650	-3.350		0.000			3.350	3.650	3.840	3.950	6.050		7.550	7.850	7.956		

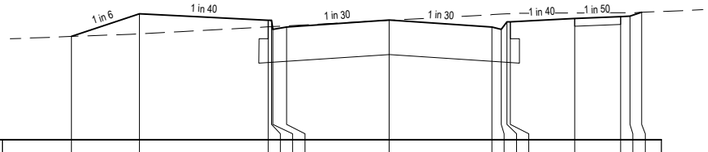
TPCH 78.800



DATUM RL 50

DESIGN SURFACE	51.438		51.775				51.67	51.67	51.52	51.56		51.671			51.56	51.52	51.645	51.645	51.697		51.727	51.735	51.752	
EXISTING SURFACE	51.44		51.47				51.55	51.56	51.56	51.57		51.66			51.75	51.75	51.75	51.75	51.75		51.75	51.75			
OFFSET	-10.168		-8.150				-3.950	-3.840	-3.800	-3.350		0.000			3.350	3.650	3.840	3.950	6.050		7.550	7.850	7.956		

TPCH 55.050



DATUM RL 50

DESIGN SURFACE	51.685		52.054				51.949	51.949	51.799	51.839		51.951			51.839	51.799	51.924	51.924	51.977		52.007	52.014	52.078	
EXISTING SURFACE	51.68		51.73				51.84	51.84	51.85	51.86		51.95			52.04	52.05	52.05	52.06	52.07		52.07	52.07	52.08	
OFFSET	-10.368		-8.150				-3.950	-3.840	-3.800	-3.350		0.000			3.350	3.650	3.840	3.950	6.050		7.550	7.850	8.232		

CH 43.850

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WARNING

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SCALE 1:100 AT A1 SIZE
SCALE 1:200 AT A3 SIZE

HORIZ 0 1 2 4 6 8

VERT 0 0.5 1 2 3 4

SCALE 1:50 AT A1 SIZE
SCALE 1:100 AT A3 SIZE

PRELIMINARY
NOT FOR CONSTRUCTION

VER	DATE	REVISION	APPD.
A	18/09/2020	PRELIMINARY ISSUE	LOD

DENOTES STRUCTURAL FILL COMPACTED TO LEVEL 1 REQUIREMENTS.
NOTE:
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Coords: MGA Levels: AHD

TAYLORS
Urban Development | Infrastructure
8 / 270 Ferntree Gully Road, Notting Hill, Victoria, 3168
Tel: 61 3 9501 2800 | Web: taylorsds.com.au

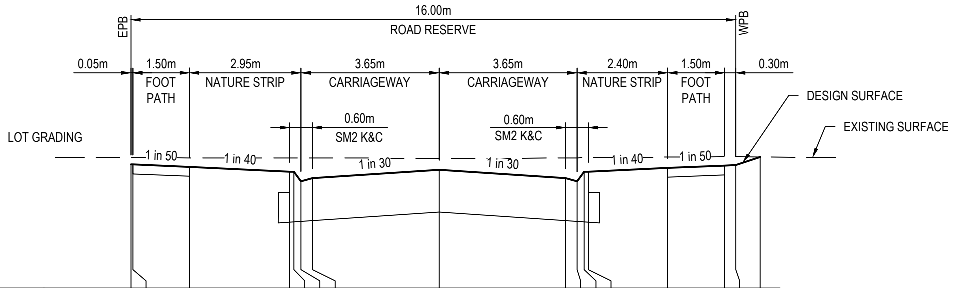
DESIGNED:	LOD	AUTHORISED:	JOY	DRAFTED:	WGO
CHECKED:	ADK	AUTH. DATE:	18/09/2020	CAD REF:	01177-04-E-119-128

CARDINIA SHIRE COUNCIL

415 PRINCES HIGHWAY, OFFICER VIC 3809
HILLSTOWE ESTATE, STAGE 4

ROAD CROSS SECTIONS
SHEET 4 OF 10

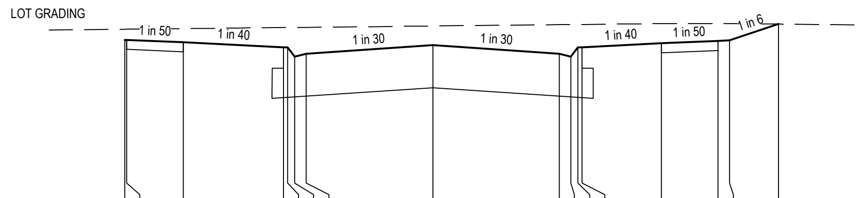
SCALE	1:100 H, 1:50 V @ A1
VERSION	A
SHEET	23 OF 53
DRAWING No.	01177-04-E-122



DATUM RL 47

DESIGN SURFACE	48.641	48.64	48.61	48.543	48.543	48.418	48.458	48.57	48.458	48.418	48.543	48.543	48.596	48.626	48.633	48.74
EXISTING SURFACE	48.73	48.73	48.73	48.73	48.73	48.73	48.73	48.72	48.73	48.73	48.73	48.73	48.74	48.74		
OFFSET	-8.150	-8.100	-6.600	-3.950	-3.840	-3.650	-3.350	0.000	3.350	3.650	3.840	3.950	6.050	7.550	7.850	8.493

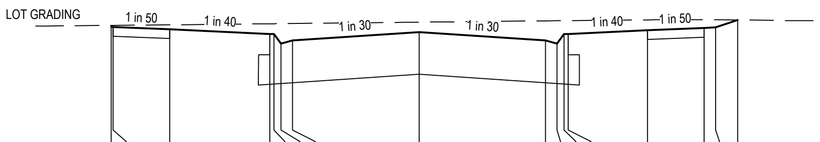
CH 152.850



DATUM RL 47

DESIGN SURFACE	49.141	49.14	49.11	49.043	49.043	48.918	48.958	49.07	48.958	48.918	49.043	49.043	49.096	49.126	49.133	49.349
EXISTING SURFACE	49.28	49.28	49.29	49.3	49.3	49.3	49.31	49.32	49.34	49.34	49.34	49.34	49.36	49.36		
OFFSET	-8.150	-8.100	-6.600	-3.950	-3.840	-3.650	-3.350	0.000	3.350	3.650	3.840	3.950	6.050	7.550	7.850	9.144

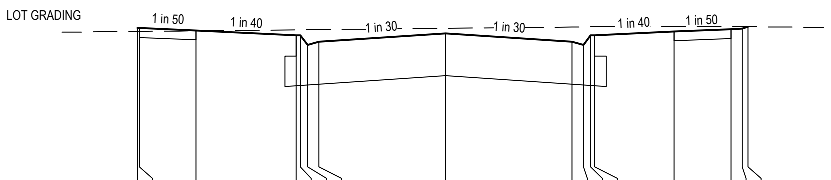
CH 140.350



DATUM RL 48

DESIGN SURFACE	49.622	49.621	49.591	49.524	49.524	49.399	49.439	49.551	49.439	49.399	49.524	49.524	49.577	49.607	49.614	49.712
EXISTING SURFACE	49.64	49.64	49.65	49.66	49.66	49.66	49.67	49.68	49.7	49.7	49.7	49.7	49.71	49.71		
OFFSET	-8.150	-8.100	-6.600	-3.950	-3.840	-3.650	-3.350	0.000	3.350	3.650	3.840	3.950	6.050	7.550	7.850	8.433

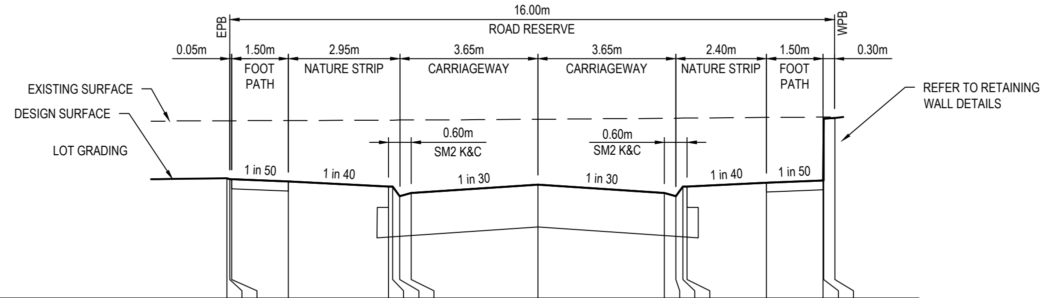
CH 127.850



DATUM RL 48

DESIGN SURFACE	50.088	50.087	50.057	49.99	49.99	49.865	49.905	50.017	49.905	49.865	49.99	49.99	50.043	50.073	50.08	50.106
EXISTING SURFACE	50.04	50.04	50.05	50.06	50.06	50.07	50.07	50.08	50.1	50.1	50.1	50.1	50.11	50.11		
OFFSET	-8.150	-8.100	-6.600	-3.950	-3.840	-3.650	-3.350	0.000	3.350	3.650	3.840	3.950	6.050	7.550	7.850	8.001

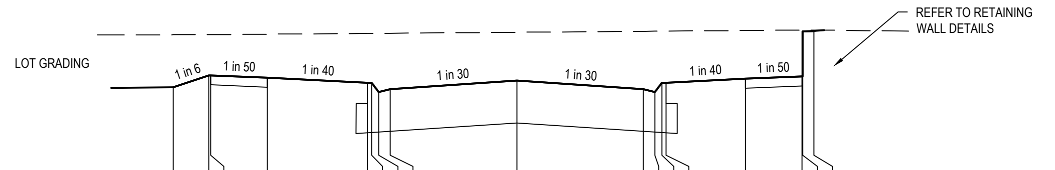
CH 113.850



DATUM RL 44

DESIGN SURFACE	45.586	45.573	45.572	45.542	45.476	45.476	45.351	45.391	45.502	45.391	45.351	45.476	45.476	45.528	45.558	46.375	46.382
EXISTING SURFACE	46.34	46.35	46.35	46.35	46.35	46.35	46.35	46.36	46.37	46.38	46.38	46.38	46.38	46.39	46.39	46.39	
OFFSET	-8.230	-8.150	-8.100	-6.600	-3.950	-3.840	-3.650	-3.350	0.000	3.350	3.650	3.840	3.950	6.050	7.550	7.560	7.860

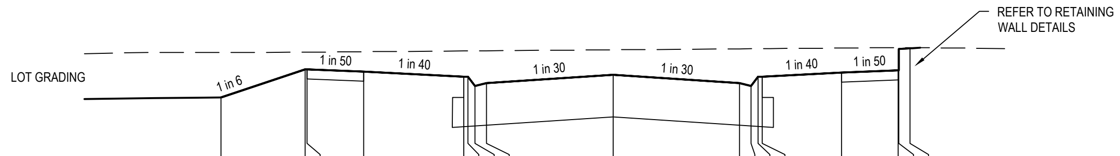
CH 200.850



DATUM RL 45

DESIGN SURFACE	46.151	46.308	46.307	46.277	46.21	46.21	46.085	46.125	46.237	46.125	46.085	46.21	46.21	46.263	46.293	46.889	46.896
EXISTING SURFACE	46.85	46.85	46.85	46.85	46.86	46.86	46.86	46.87	46.88	46.89	46.89	46.89	46.89	46.9	46.91	46.91	
OFFSET	-9.093	-8.150	-8.100	-6.600	-3.950	-3.840	-3.650	-3.350	0.000	3.350	3.650	3.840	3.950	6.050	7.550	7.560	7.860

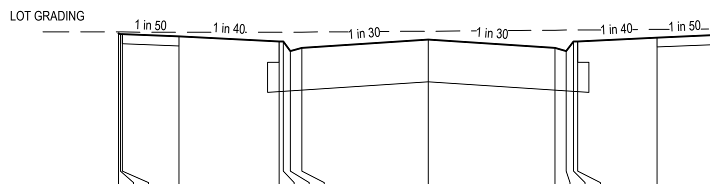
CH 190.350



DATUM RL 46

DESIGN SURFACE	46.849	47.232	47.23	47.2	47.134	47.134	47.009	47.049	47.161	47.049	47.009	47.134	47.134	47.187	47.217	47.501	47.508
EXISTING SURFACE	47.45	47.46	47.46	47.47	47.48	47.48	47.48	47.48	47.49	47.5	47.5	47.51	47.51	47.51	47.52	47.52	
OFFSET	-10.379	-8.150	-8.100	-6.600	-3.950	-3.840	-3.650	-3.350	0.000	3.350	3.650	3.840	3.950	6.050	7.550	7.560	7.860

CH 177.850



DATUM RL 46

DESIGN SURFACE	48.071	48.063	48.062	48.032	47.966	47.966	47.841	47.881	47.992	47.881	47.841	47.966	47.966	48.018	48.048	48.056	48.13
EXISTING SURFACE	48.09	48.09	48.09	48.09	48.09	48.09	48.09	48.09	48.1	48.12	48.12	48.12	48.12	48.13	48.13		
OFFSET	-8.199	-8.150	-8.100	-6.600	-3.950	-3.840	-3.650	-3.350	0.000	3.350	3.650	3.840	3.950	6.050	7.550	7.850	8.293

CH 165.350

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SCALE 1:100 AT A1 SIZE
SCALE 1:200 AT A3 SIZE
HORIZ 0 1 2 4 6 8
VERT 0 0.5 1 2 3 4
SCALE 1:50 AT A1 SIZE
SCALE 1:100 AT A3 SIZE

PRELIMINARY
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A	18/09/2020	PRELIMINARY ISSUE	LOD
VER	DATE	REVISION	APPD.

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Coords: MGA Levels: AHD

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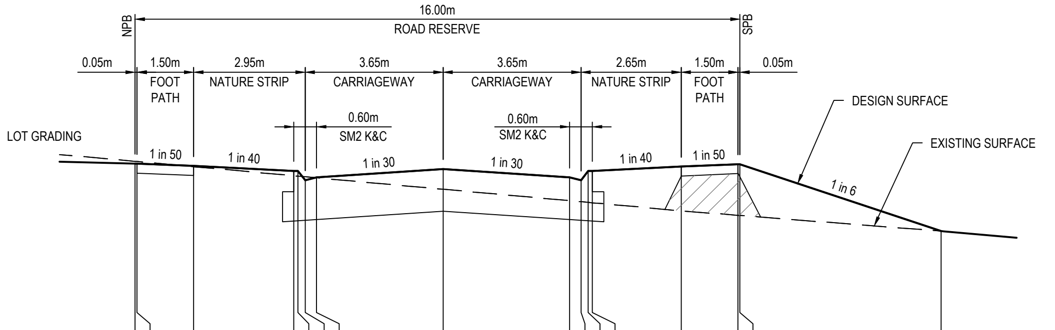
DESIGNED:	LOD	AUTHORISED:	JOY	DRAFTED:	WGO
CHECKED:	ADK	AUTH. DATE:	18/09/2020	CAD REF:	01177-04-E-119-128

CARDINIA SHIRE COUNCIL
415 PRINCES HIGHWAY, OFFICER VIC 3809
HILLSTOWE ESTATE, STAGE 4
ROAD CROSS SECTIONS
SHEET 5 OF 10

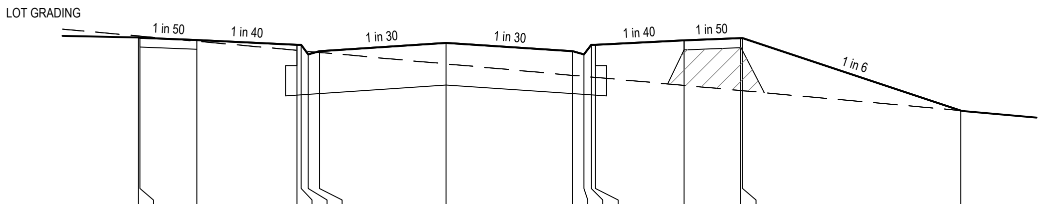
SCALE	1:100 H, 1:50 V @ A1
VERSION	A
SHEET	24 OF 53
DRAWING No.	01177-04-E-123



DATUM RL 43

DESIGN SURFACE	45.222	45.221	45.191	45.125	45.125	45	45.04	45.151	45.04	45	45.125	45.125	45.184	45.214	45.215	44.328
EXISTING SURFACE	45.25	45.25	45.18	45.06	45.06	45.05	45.03	44.88	44.73	44.72	44.71	44.7	44.6	44.54	44.54	44.33
OFFSET	-8.150	-8.100	-6.600	-3.950	-3.840	-3.650	-3.350	0.000	3.350	3.650	3.840	3.950	6.300	7.800	7.850	13.173

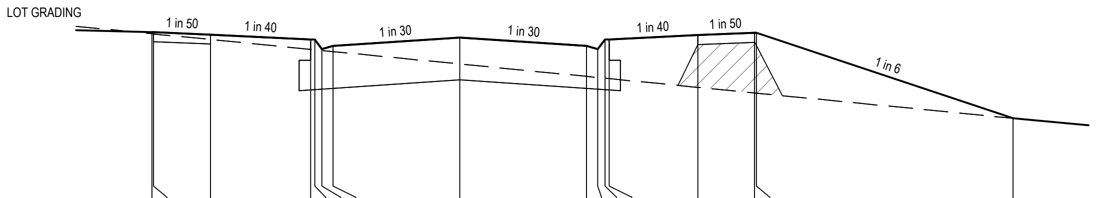
CH 251.517



DATUM RL 43

DESIGN SURFACE	45.252	45.251	45.221	45.155	45.155	45.03	45.07	45.181	45.07	45.03	45.155	45.155	45.214	45.244	45.245	44.283
EXISTING SURFACE	45.27	45.27	45.2	45.08	45.08	45.07	45.06	44.9	44.75	44.74	44.73	44.72	44.62	44.55	44.55	44.28
OFFSET	-8.150	-8.100	-6.600	-3.950	-3.840	-3.650	-3.350	0.000	3.350	3.650	3.840	3.950	6.300	7.800	7.850	13.625

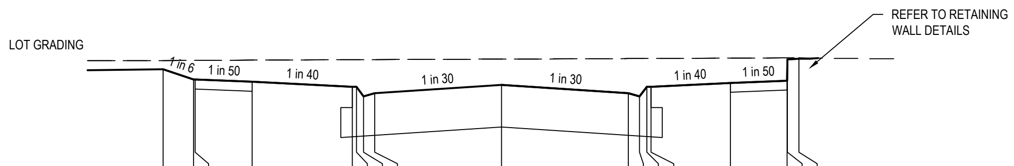
CH 245.517



DATUM RL 43

DESIGN SURFACE	45.283	45.282	45.252	45.186	45.186	45.061	45.101	45.212	45.101	45.061	45.186	45.186	45.245	45.275	45.276	44.145
EXISTING SURFACE	45.26	45.26	45.19	45.06	45.05	45.04	45.03	44.86	44.7	44.68	44.67	44.67	44.55	44.48	44.48	44.14
OFFSET	-8.150	-8.100	-6.600	-3.950	-3.840	-3.650	-3.350	0.000	3.350	3.650	3.840	3.950	6.300	7.800	7.850	14.637

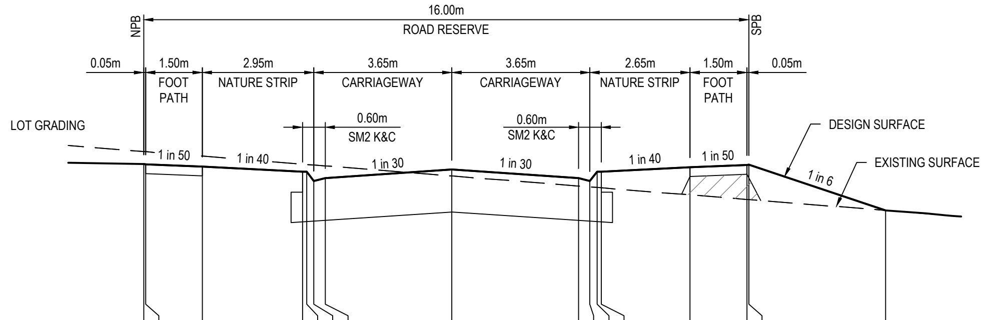
TPCH 239.317



DATUM RL 44

DESIGN SURFACE	45.349	45.216	45.215	45.185	45.118	45.118	44.993	45.033	45.145	45.033	44.993	45.118	45.118	45.171	45.201	45.482	45.49
EXISTING SURFACE	45.47	45.47	45.47	45.47	45.48	45.48	45.48	45.48	45.49	45.49	45.49	45.49	45.49	45.5	45.5	45.5	
OFFSET	-8.949	-8.150	-8.100	-6.600	-3.950	-3.840	-3.650	-3.350	0.000	3.350	3.650	3.840	3.950	6.050	7.550	7.560	7.860

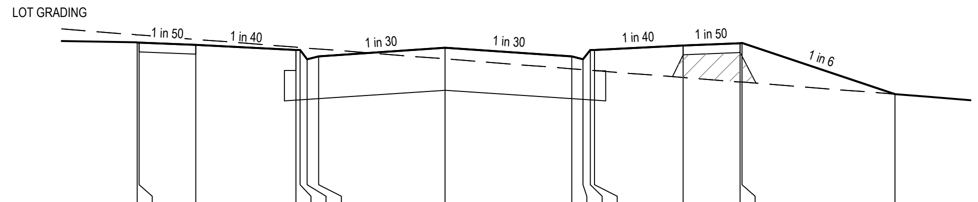
TPCH 219.108



DATUM RL 43

DESIGN SURFACE	45.102	45.101	45.071	45.005	45.005	44.88	44.92	45.031	44.92	44.88	45.005	45.005	45.064	45.094	45.095	44.492
EXISTING SURFACE	45.27	45.27	45.21	45.1	45.1	45.09	45.08	44.95	44.81	44.8	44.79	44.79	44.7	44.64	44.63	44.49
OFFSET	-8.150	-8.100	-6.600	-3.950	-3.840	-3.650	-3.350	0.000	3.350	3.650	3.840	3.950	6.300	7.800	7.850	11.467

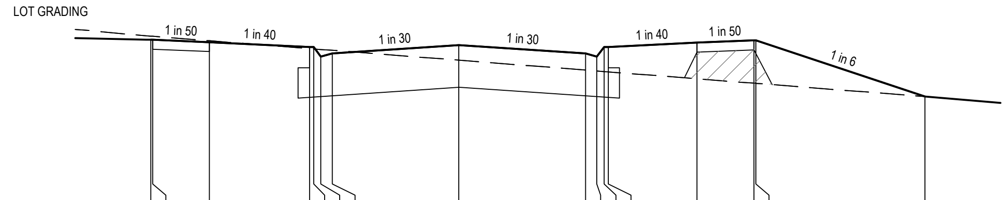
CH 275.517



DATUM RL 43

DESIGN SURFACE	45.132	45.131	45.101	45.035	45.035	44.91	44.95	45.061	44.95	44.91	45.035	45.035	45.094	45.124	45.125	44.45
EXISTING SURFACE	45.23	45.23	45.17	45.07	45.07	45.06	45.05	44.92	44.78	44.77	44.77	44.76	44.67	44.61	44.61	44.45
OFFSET	-8.150	-8.100	-6.600	-3.950	-3.840	-3.650	-3.350	0.000	3.350	3.650	3.840	3.950	6.300	7.800	7.850	11.899

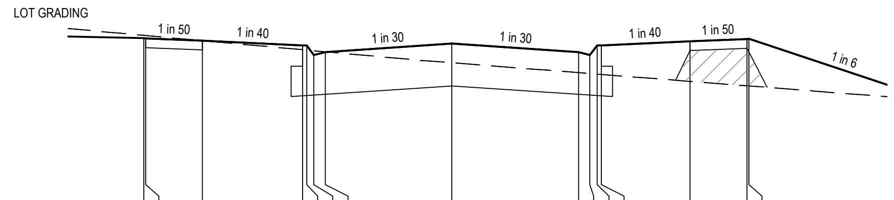
CH 269.517



DATUM RL 43

DESIGN SURFACE	45.162	45.161	45.131	45.065	45.065	44.94	44.98	45.091	44.98	44.94	45.065	45.065	45.124	45.154	45.155	44.409
EXISTING SURFACE	45.21	45.21	45.15	45.05	45.04	45.03	45.02	44.89	44.76	44.75	44.74	44.74	44.64	44.59	44.58	44.41
OFFSET	-8.150	-8.100	-6.600	-3.950	-3.840	-3.650	-3.350	0.000	3.350	3.650	3.840	3.950	6.300	7.800	7.850	12.323

CH 263.517



DATUM RL 43

DESIGN SURFACE	45.192	45.191	45.161	45.095	45.095	44.97	45.01	45.121	45.01	44.97	45.095	45.095	45.154	45.184	45.185
EXISTING SURFACE	45.23	45.23	45.16	45.04	45.04	45.03	45.01	44.87	44.74	44.72	44.72	44.71	44.62	44.56	44.56
OFFSET	-8.150	-8.100	-6.600	-3.950	-3.840	-3.650	-3.350	0.000	3.350	3.650	3.840	3.950	6.300	7.800	7.850

CH 257.517

EVERFAIR CRESCENT

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SCALE 1:100 AT A1 SIZE
SCALE 1:200 AT A3 SIZE
HORIZ 0 1 2 4 6 8
VERT 0 0.5 1 2 3 4
SCALE 1:50 AT A1 SIZE
SCALE 1:100 AT A3 SIZE

PRELIMINARY
NOT FOR CONSTRUCTION

VER	DATE	REVISION	APPD.
A	18/09/2020	PRELIMINARY ISSUE	LOD

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Coords: MGA Levels: AHD

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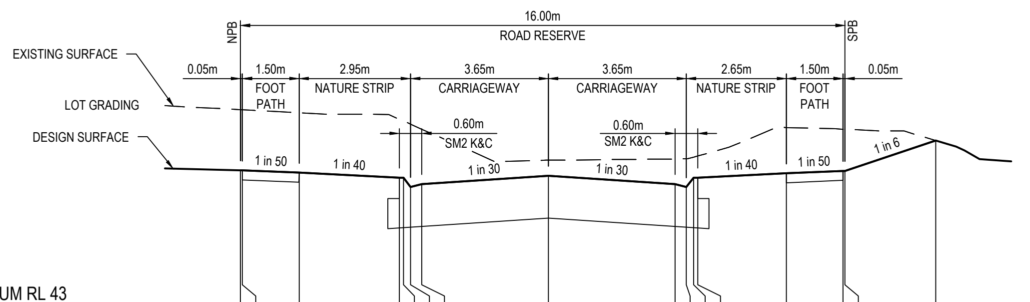
8 / 270 Ferntree Gully Road, Notting Hill, Victoria, 3168
Tel: 61 3 9501 2800 | Web: taylorsds.com.au

DESIGNED:	LOD	AUTHORISED:	JOY	DRAFTED:	WGO
CHECKED:	ADK	AUTH. DATE:	18/09/2020	CAD REF:	01177-04-E-119-128

CARDINIA SHIRE COUNCIL
415 PRINCES HIGHWAY, OFFICER VIC 3809
HILLSTOWE ESTATE, STAGE 4
ROAD CROSS SECTIONS
SHEET 6 OF 10

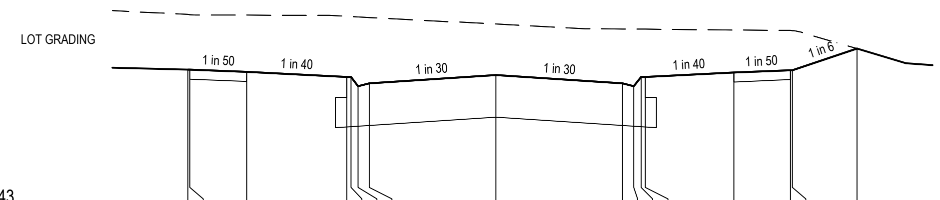
SCALE	1:100 H, 1:50 V @ A1
VERSION	A
SHEET	25 OF 53
DRAWING No.	01177-04-E-124



DATUM RL 43

DESIGN SURFACE	44.761	44.76	44.73	44.663	44.663	44.538	44.578	44.69	44.578	44.538	44.663	44.663	44.722	44.752	44.753	45.153
EXISTING SURFACE	45.56	45.56	45.52	45.44	45.41	45.37	45.3	44.89	44.91	44.91	44.93	44.95	45.32	45.3	45.3	45.15
OFFSET	-8.150	-8.100	-6.600	-3.950	-3.840	-3.650	-3.350	0.000	3.350	3.650	3.840	3.950	6.300	7.800	7.850	10.251

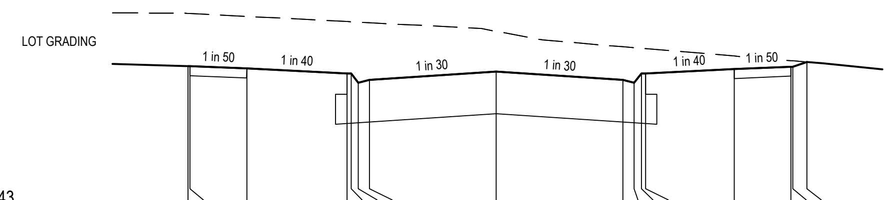
CH 338.017



DATUM RL 43

DESIGN SURFACE	44.813	44.812	44.782	44.716	44.716	44.591	44.631	44.742	44.631	44.591	44.716	44.716	44.775	44.805	44.806	45.09
EXISTING SURFACE	45.54	45.54	45.54	45.52	45.52	45.51	45.5	45.42	45.35	45.35	45.35	45.35	45.34	45.33	45.33	45.09
OFFSET	-8.150	-8.100	-6.600	-3.950	-3.840	-3.650	-3.350	0.000	3.350	3.650	3.840	3.950	6.300	7.800	7.850	9.558

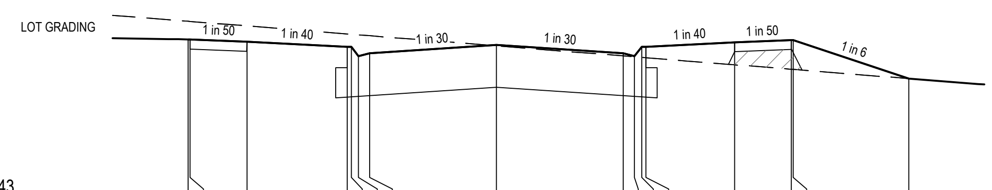
CH 327.517



DATUM RL 43

DESIGN SURFACE	44.874	44.873	44.843	44.777	44.777	44.652	44.692	44.803	44.692	44.652	44.777	44.777	44.836	44.866	44.867	44.928
EXISTING SURFACE	45.57	45.57	45.53	45.46	45.46	45.46	45.45	45.34	45.13	45.12	45.11	45.11	45.01	44.95	44.94	44.93
OFFSET	-8.150	-8.100	-6.600	-3.950	-3.840	-3.650	-3.350	0.000	3.350	3.650	3.840	3.950	6.300	7.800	7.850	8.218

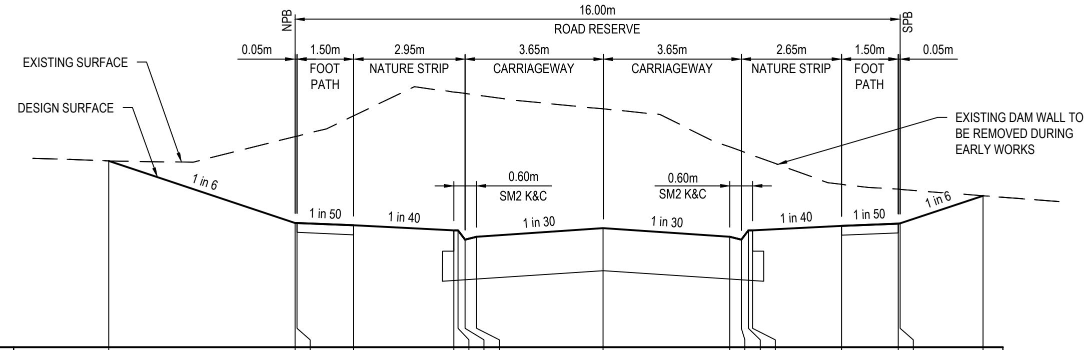
TPCH 315.317



DATUM RL 43

DESIGN SURFACE	45.071	45.07	45.04	44.974	44.974	44.849	44.889	45	44.889	44.849	44.974	44.974	45.033	45.063	45.064	44.555
EXISTING SURFACE	45.31	45.31	45.25	45.14	45.14	45.13	45.12	44.99	44.85	44.84	44.83	44.83	44.74	44.68	44.68	44.56
OFFSET	-8.150	-8.100	-6.600	-3.950	-3.840	-3.650	-3.350	0.000	3.350	3.650	3.840	3.950	6.300	7.800	7.850	10.901

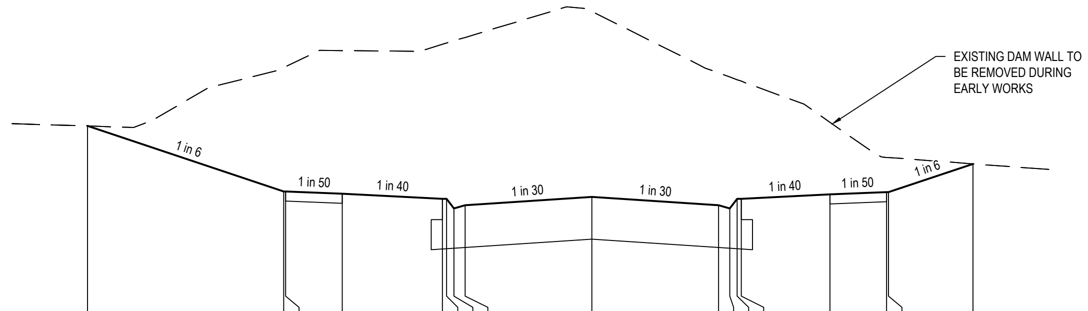
TPCH 281.717



DATUM RL 43

DESIGN SURFACE	45.466	44.645	44.644	44.614	44.547	44.547	44.422	44.462	44.574	44.462	44.422	44.547	44.547	44.606	44.636	44.637	45.003
EXISTING SURFACE	45.47	45.79	45.79	46.06	46.38	46.37	46.36	46.34	46.15	45.65	45.59	45.56	45.54	45.15	45.09	45.09	45
OFFSET	-13.080	-8.150	-8.100	-6.600	-3.950	-3.840	-3.650	-3.350	0.000	3.350	3.650	3.840	3.950	6.304	7.804	7.854	10.048

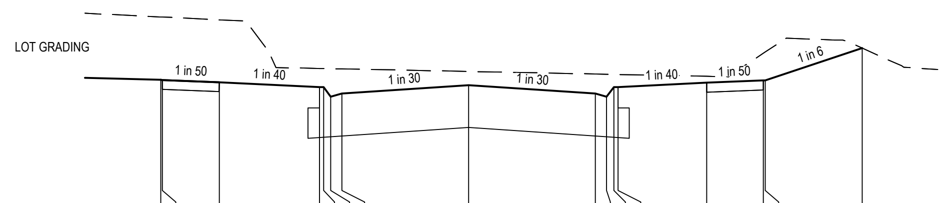
CH 389.517



DATUM RL 43

DESIGN SURFACE	45.499	44.634	44.633	44.603	44.536	44.536	44.411	44.451	44.563	44.451	44.411	44.536	44.536	44.595	44.625	44.626	44.999
EXISTING SURFACE	45.5	46.28	46.29	46.5	46.58	46.6	46.63	46.67	47.01	46.2	46.15	46.11	46.09	45.55	45.08	45.08	45
OFFSET	-13.343	-8.150	-8.100	-6.600	-3.950	-3.840	-3.650	-3.350	0.000	3.350	3.650	3.840	3.950	6.301	7.801	7.851	10.087

TPCH 387.317



DATUM RL 43

DESIGN SURFACE	44.714	44.713	44.683	44.616	44.616	44.491	44.531	44.643	44.531	44.491	44.616	44.616	44.675	44.705	44.706	45.134
EXISTING SURFACE	45.55	45.54	45.51	44.86	44.86	44.86	44.86	44.82	44.79	44.79	44.79	44.78	44.76	45.07	45.08	45.13
OFFSET	-8.150	-8.100	-6.600	-3.950	-3.840	-3.650	-3.350	0.000	3.350	3.650	3.840	3.950	6.300	7.800	7.850	10.414

TPCH 347.417

EVERFAIR CRESCENT

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SCALE 1:100 AT A1 SIZE
SCALE 1:200 AT A3 SIZE
HORIZ 0 1 2 4 6 8
VERT 0 0.5 1 2 3 4
SCALE 1:50 AT A1 SIZE
SCALE 1:100 AT A3 SIZE

PRELIMINARY
NOT FOR CONSTRUCTION

VER	DATE	REVISION	APPD.
A	18/09/2020	PRELIMINARY ISSUE	LOD

DENOTES STRUCTURAL FILL COMPACTED TO LEVEL 1 REQUIREMENTS.
NOTE:
STRUCTURAL FILL MATERIAL TO BE APPROVED GRANULAR MATERIAL SPREAD IN SUCCESSIVE LAYERS NOT EXCEEDING 150mm (LOOSE MEASUREMENT) AND COMPACTED THROUGHOUT TO A DRY DENSITY OF NOT LESS THAN 98% STANDARD COMPACTION

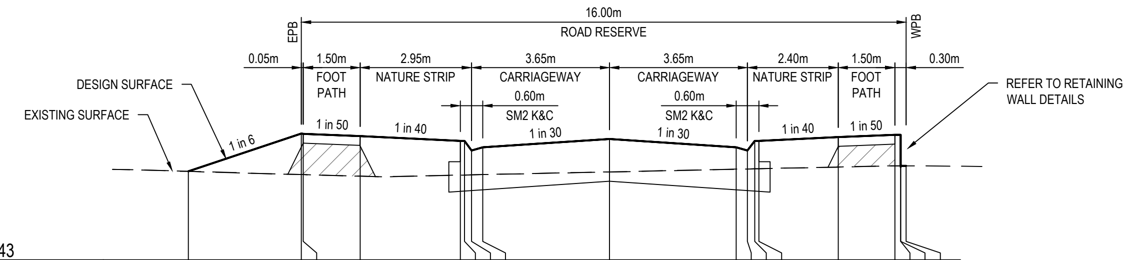
Coords: MGA Levels: AHD

TAYLORS
Urban Development | Infrastructure
8 / 270 Ferntree Gully Road, Notting Hill, Victoria, 3168
Tel: 61 3 9501 2800 | Web: taylorsds.com.au

DESIGNED:	LOD	AUTHORISED:	JOY	DRAFTED:	WGO
CHECKED:	ADK	AUTH. DATE:	18/09/2020	CAD REF:	01177-04-E-119-128

CARDINIA SHIRE COUNCIL
415 PRINCES HIGHWAY, OFFICER VIC 3809
HILLSTOWE ESTATE, STAGE 4
ROAD CROSS SECTIONS
SHEET 7 OF 10

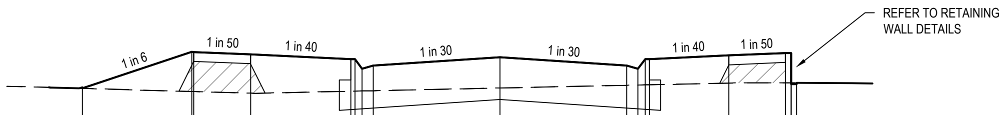
SCALE 1:100 H, 1:50 V @ A1
VERSION A
SHEET 26 OF 53
DRAWING No.
01177-04-E-125



DATUM RL 43

DESIGN SURFACE	44.176	44.676	44.674	44.644	44.578	44.578	44.453	44.493	44.605	44.493	44.453	44.578	44.578	44.631	44.661	44.661	44.23	44.23
EXISTING SURFACE	44.18	44.13	44.13	44.11	44.13	44.13	44.13	44.13	44.17	44.21	44.21	44.21	44.21	44.23	44.25	44.25	44.25	
OFFSET	-11.145	-8.150	-8.100	-6.600	-3.950	-3.840	-3.650	-3.350	0.000	3.350	3.650	3.840	3.950	6.050	7.550	7.700	7.701	7.850

CH 15.850
LIMIT OF ROAD WORKS

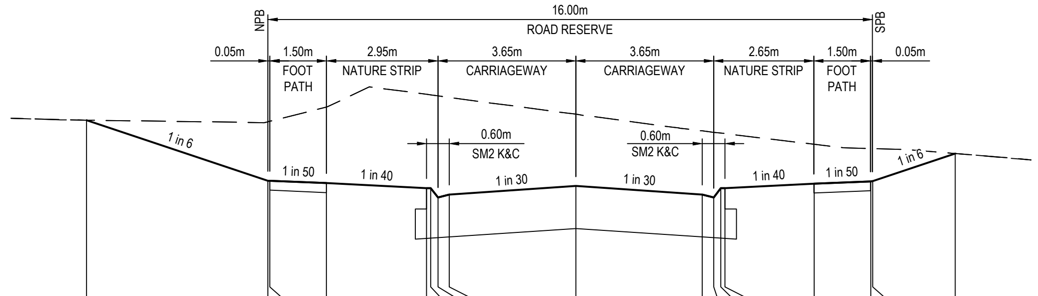


DATUM RL 43

DESIGN SURFACE	44.264	44.747	44.745	44.715	44.649	44.649	44.524	44.564	44.676	44.564	44.524	44.649	44.649	44.702	44.732	44.732	44.318	44.318
EXISTING SURFACE	44.26	44.22	44.22	44.2	44.23	44.23	44.23	44.23	44.27	44.31	44.31	44.31	44.31	44.33	44.34	44.34	44.34	
OFFSET	-11.046	-8.150	-8.100	-6.600	-3.950	-3.840	-3.650	-3.350	0.000	3.350	3.650	3.840	3.950	6.050	7.550	7.700	7.701	7.850

TPCH 14.040

TARKINE STREET

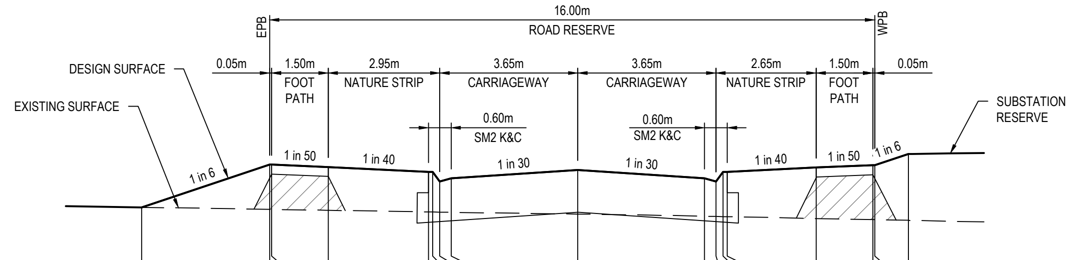


DATUM RL 43

DESIGN SURFACE	45.453	44.653	44.652	44.622	44.556	44.556	44.431	44.471	44.582	44.471	44.431	44.556	44.556	44.614	44.644	44.646	45.011
EXISTING SURFACE	45.45	45.43	45.44	45.63	45.79	45.78	45.77	45.75	45.53	45.31	45.29	45.28	45.27	45.13	45.08	45.08	45.01
OFFSET	-12.947	-8.150	-8.100	-6.600	-3.950	-3.840	-3.650	-3.350	0.000	3.350	3.650	3.840	3.950	6.306	7.806	7.856	10.047

CH 391.167
LIMIT OF ROAD WORKS

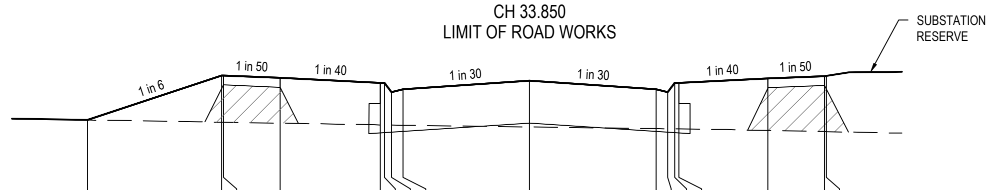
EVERFAIR CRESCENT



DATUM RL 43

DESIGN SURFACE	43.893	44.458	44.457	44.427	44.36	44.36	44.235	44.275	44.387	44.275	44.235	44.36	44.36	44.419	44.449	44.45	44.599
EXISTING SURFACE	43.89	43.87	43.87	43.85	43.83	43.83	43.83	43.83	43.8	43.78	43.77	43.77	43.77	43.74	43.73	43.73	43.72
OFFSET	-11.538	-8.150	-8.100	-6.600	-3.950	-3.840	-3.650	-3.350	0.000	3.350	3.650	3.840	3.950	6.300	7.800	7.850	8.744

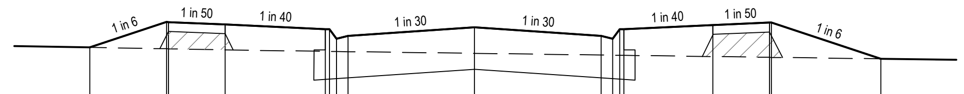
CH 33.850
LIMIT OF ROAD WORKS



DATUM RL 43

DESIGN SURFACE	44.013	44.604	44.602	44.572	44.506	44.506	44.381	44.421	44.533	44.421	44.381	44.506	44.506	44.565	44.595	44.596
EXISTING SURFACE	44.01	43.98	43.98	43.97	43.95	43.95	43.95	43.94	43.92	43.9	43.9	43.9	43.89	43.87	43.86	43.86
OFFSET	-11.694	-8.150	-8.100	-6.600	-3.950	-3.840	-3.650	-3.350	0.000	3.350	3.650	3.840	3.950	6.300	7.800	7.850

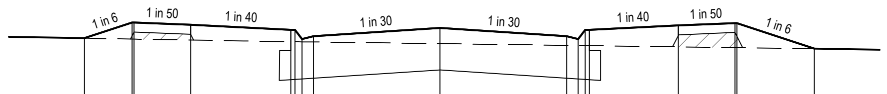
CH 30.850



DATUM RL 43

DESIGN SURFACE	44.616	44.954	44.952	44.922	44.856	44.856	44.731	44.771	44.883	44.771	44.731	44.856	44.856	44.915	44.945	44.946	44.464
EXISTING SURFACE	44.62	44.6	44.6	44.58	44.56	44.56	44.56	44.56	44.54	44.51	44.51	44.51	44.51	44.49	44.48	44.48	44.46
OFFSET	-10.178	-8.150	-8.100	-6.600	-3.950	-3.840	-3.650	-3.350	0.000	3.350	3.650	3.840	3.950	6.300	7.800	7.850	10.745

CH 15.118



DATUM RL 43

DESIGN SURFACE	44.733	44.942	44.941	44.911	44.845	44.845	44.72	44.76	44.871	44.76	44.72	44.845	44.845	44.903	44.933	44.935	44.593
EXISTING SURFACE	44.73	44.72	44.72	44.71	44.69	44.69	44.69	44.68	44.66	44.64	44.64	44.63	44.63	44.62	44.61	44.61	44.59
OFFSET	-9.408	-8.150	-8.100	-6.600	-3.950	-3.840	-3.650	-3.350	0.000	3.350	3.650	3.840	3.950	6.300	7.800	7.850	9.898

TPCH 11.950

KIELDER STREET

SCALE 1:100 AT A1 SIZE
SCALE 1:200 AT A3 SIZE
HORIZ 0 1 2 4 6 8
VERT 0 0.5 1 2 3 4
SCALE 1:50 AT A1 SIZE
SCALE 1:100 AT A3 SIZE

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PRELIMINARY
NOT FOR CONSTRUCTION

VER	DATE	REVISION	APPD.
A	18/09/2020	PRELIMINARY ISSUE	LOD

DENOTES STRUCTURAL FILL COMPACTED TO LEVEL 1 REQUIREMENTS.
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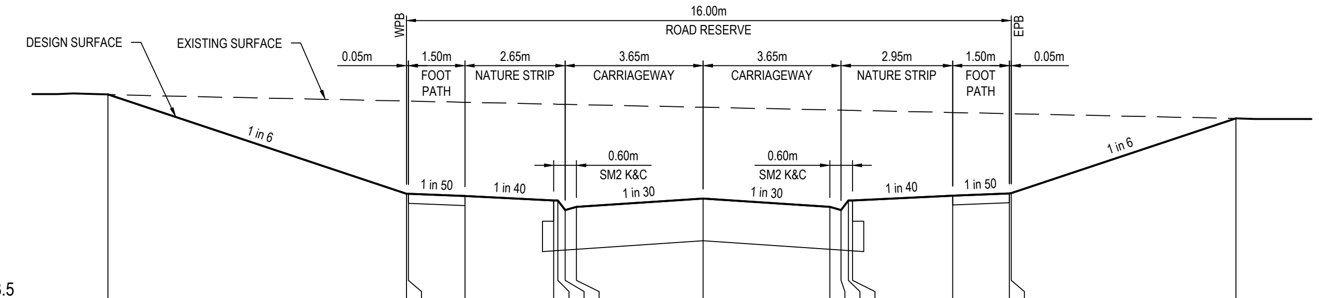
Coords: MGA Levels: AHD

TAYLORS
Urban Development | Infrastructure
8 / 270 Ferntree Gully Road, Notting Hill, Victoria, 3168
Tel: 61 3 9501 2800 | Web: taylorsds.com.au

DESIGNED:	LOD	AUTHORISED:	JOY	DRAFTED:	WGO
CHECKED:	ADK	AUTH. DATE:	18/09/2020	CAD REF:	01177-04-E-119-128

CARDINIA SHIRE COUNCIL
415 PRINCES HIGHWAY, OFFICER VIC 3809
HILLSTOWE ESTATE, STAGE 4
ROAD CROSS SECTIONS
SHEET 8 OF 10

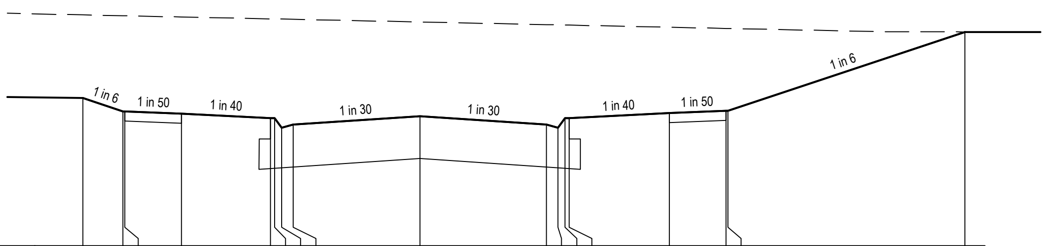
SCALE	1:100 H, 1:50 V @ A1
VERSION	A
SHEET	27 OF 53
DRAWING No.	01177-04-E-126



DATUM RL 43.5

DESIGN SURFACE	46.213	44.897	44.896	44.866	44.807	44.807	44.682	44.722	44.834	44.722	44.682	44.807	44.807	44.873	44.903	44.905	45.895
EXISTING SURFACE	46.21	46.13	46.13	46.11	46.08	46.08	46.08	46.08	46.04	46.01	46	46	46	45.97	45.96	45.96	45.9
OFFSET	-15.748	-7.850	-7.800	-6.300	-3.950	-3.840	-3.650	-3.350	0.000	3.350	3.650	3.840	3.950	6.600	8.100	8.150	14.093

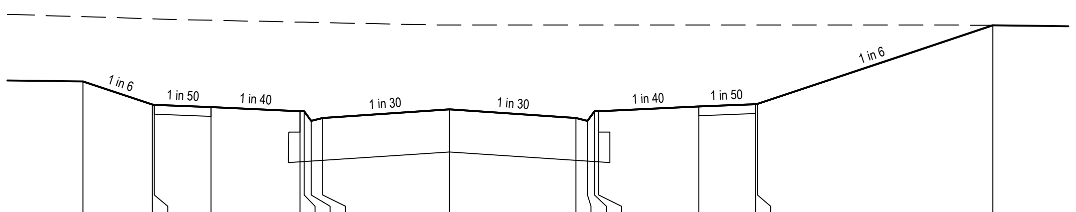
CH 33.208
LIMIT OF ROAD WORKS



DATUM RL 43

DESIGN SURFACE	44.96	44.783	44.781	44.751	44.693	44.693	44.568	44.608	44.719	44.608	44.568	44.693	44.693	44.759	44.789	44.79	45.834
EXISTING SURFACE	46.06	46.05	46.05	46.03	46.01	46.01	46	46	45.96	45.93	45.93	45.92	45.92	45.9	45.88	45.88	45.83
OFFSET	-8.912	-7.850	-7.800	-6.300	-3.950	-3.840	-3.650	-3.350	0.000	3.350	3.650	3.840	3.950	6.600	8.100	8.150	14.411

CH 30.208

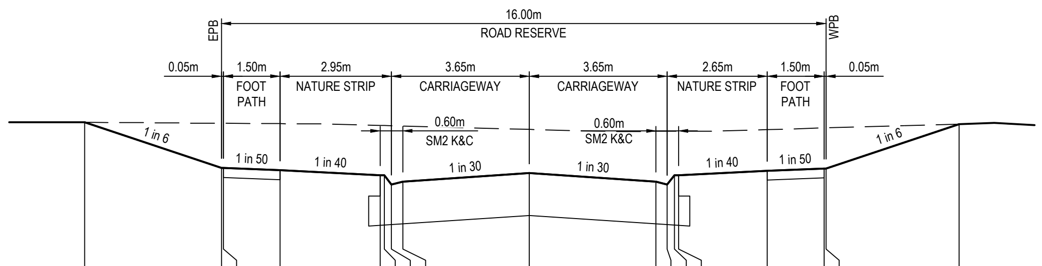


DATUM RL 43

DESIGN SURFACE	44.749	44.443	44.441	44.411	44.353	44.353	44.228	44.268	44.379	44.268	44.228	44.353	44.353	44.419	44.449	44.45	45.487
EXISTING SURFACE	45.6	45.57	45.57	45.56	45.53	45.53	45.53	45.52	45.5	45.49	45.49	45.49	45.49	45.49	45.49	45.49	45.49
OFFSET	-9.688	-7.850	-7.800	-6.300	-3.950	-3.840	-3.650	-3.350	0.000	3.350	3.650	3.840	3.950	6.600	8.100	8.150	14.371

TPCH 11.950

SAWMILLER STREET



DATUM RL 43

DESIGN SURFACE	44.929	44.326	44.325	44.295	44.229	44.229	44.104	44.144	44.255	44.144	44.104	44.229	44.229	44.287	44.317	44.319	44.907
EXISTING SURFACE	44.93	44.92	44.92	44.91	44.89	44.89	44.88	44.88	44.84	44.81	44.81	44.81	44.81	44.83	44.85	44.86	44.91
OFFSET	-11.769	-8.150	-8.100	-6.600	-3.950	-3.840	-3.650	-3.350	0.000	3.350	3.650	3.840	3.950	6.300	7.800	7.850	11.378

TPCH 11.950

GONDWANNA STREET

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SCALE 1:100 AT A1 SIZE
SCALE 1:200 AT A3 SIZE
HORIZ 0 1 2 4 6 8
VERT 0 0.5 1 2 3 4
SCALE 1:50 AT A1 SIZE
SCALE 1:100 AT A3 SIZE

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VER	DATE	REVISION	APPD.
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DESIGNED:	LOD	AUTHORISED:	JOY	DRAFTED:	WGO
CHECKED:	ADK	AUTH. DATE:	18/09/2020	CAD REF:	01177-04-E-119-128

CARDINIA SHIRE COUNCIL
415 PRINCES HIGHWAY, OFFICER VIC 3809
HILLSTOWE ESTATE, STAGE 4
ROAD CROSS SECTIONS
SHEET 9 OF 10

SCALE 1:100 H, 1:50 V @ A1
VERSION A
SHEET 28 OF 53
DRAWING No.
01177-04-E-127

NOTE : TIMBERTOP BOULEVARD ROAD DESIGN IS YET TO BE FINALISED

TIMBERTOP BOULEVARD

DIAL BEFORE YOU DIG www.1100.com.au

WARNING

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SCALE 1:100 AT A1 SIZE
SCALE 1:200 AT A3 SIZE

HORIZ 0 1 2 4 6 8

VERT 0 0.5 1 2 3 4

SCALE 1:50 AT A1 SIZE
SCALE 1:100 AT A3 SIZE

PRELIMINARY
NOT FOR CONSTRUCTION

VER	DATE	REVISION	APPD.
A	18/09/2020	PRELIMINARY ISSUE	LOD

DENOTES STRUCTURAL FILL COMPACTED TO LEVEL 1 REQUIREMENTS.
NOTE:
STRUCTURAL FILL MATERIAL TO BE APPROVED GRANULAR MATERIAL SPREAD IN SUCCESSIVE LAYERS NOT EXCEEDING 150mm (LOOSE MEASUREMENT) AND COMPACTED THROUGHOUT TO A DRY DENSITY OF NOT LESS THAN 98% STANDARD COMPACTION

Coords: MGA Levels: AHD

TAYLORS
Urban Development | Infrastructure
8 / 270 Ferntree Gully Road, Notting Hill, Victoria, 3168
Tel: 61 3 9501 2800 | Web: taylorsds.com.au

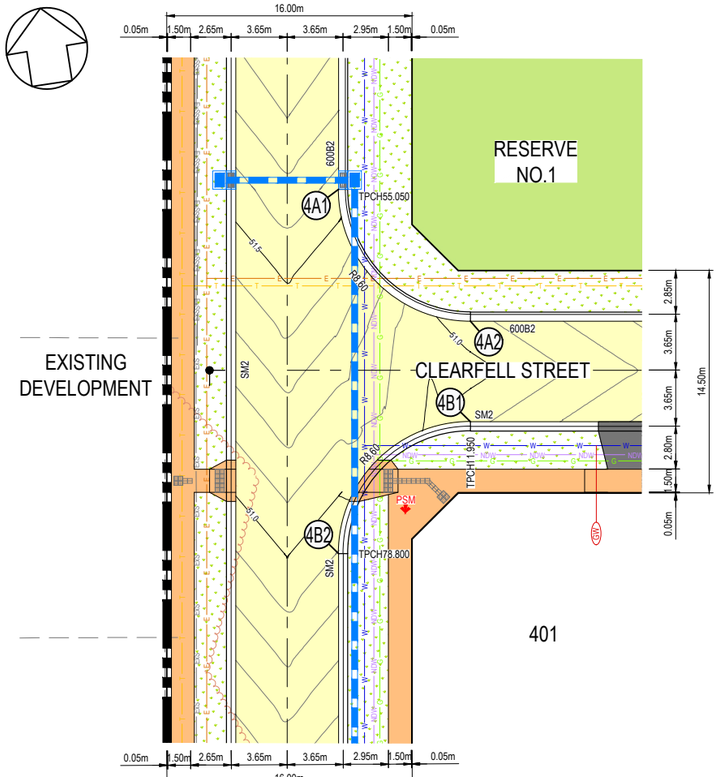
DESIGNED:	LOD	AUTHORISED:	JOY	DRAFTED:	WGO
CHECKED:	ADK	AUTH. DATE:	18/09/2020	CAD REF:	01177-04-E-119-128

CARDINIA SHIRE COUNCIL

415 PRINCES HIGHWAY, OFFICER VIC 3809
HILLSTOWE ESTATE, STAGE 4

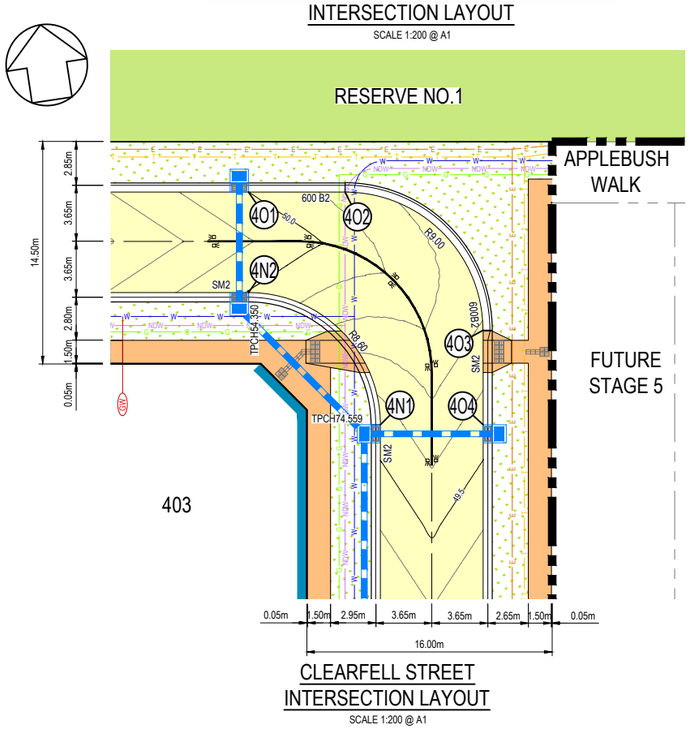
ROAD CROSS SECTIONS
SHEET 10 OF 10

SCALE	1:100 H, 1:50 V @ A1
VERSION	A
SHEET	29 OF 53
DRAWING No.	01177-04-E-128



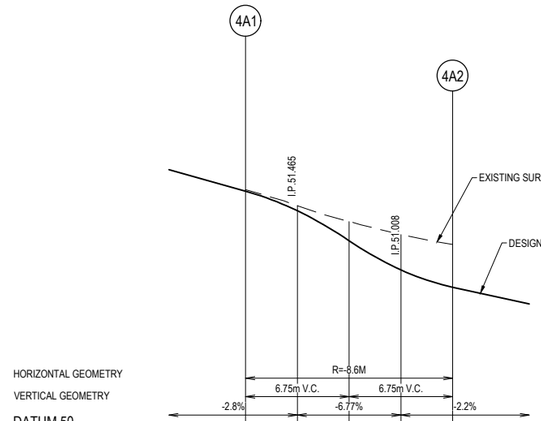
EVERFAIR CRESCENT AND CLEARFELL STREET
INTERSECTION LAYOUT

SCALE 1:200 @ A1



CLEARFELL STREET
INTERSECTION LAYOUT

SCALE 1:200 @ A1

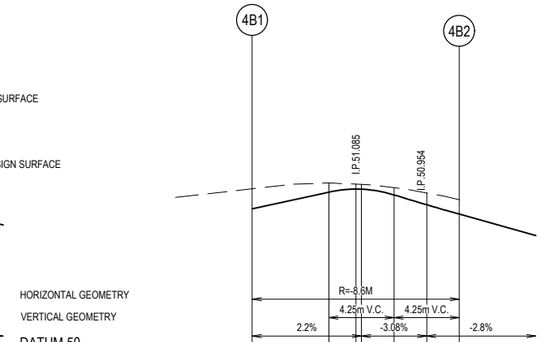


DATUM 50

DESIGN SURFACE	51.560	51.431	51.236	51.046	50.933	
EXISTING SURFACE	51.570	51.467	51.361	51.276	51.212	
CHAINAGE	0.000	3.377	6.754	10.132	13.509	

LIP PROFILE 4A

HORI 1 in 200
VERT 1 in 20



DATUM 50

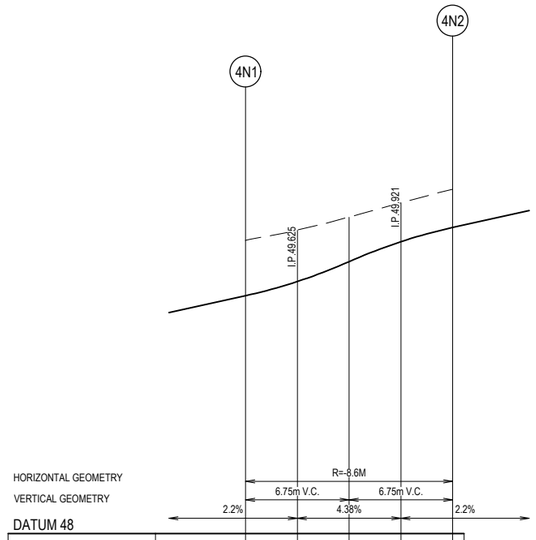
DESIGN SURFACE	50.928	51.038	51.058	51.057	51.020	50.956	50.895
EXISTING SURFACE	51.060	51.098	51.092	51.090	51.068	51.034	50.989
CHAINAGE	0.000	5.000	6.772	7.127	9.254	11.382	13.509

LIP PROFILE 4B

HORI 1 in 200
VERT 1 in 20

ALIGNMENT 4A									
POINT NO	EASTING		NORTHING		RL				
4A1	360267.067		5786789.134		51.560				
4A2	360274.236		5786779.309		50.933				
CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
4A1 - 4A2	90	8.6	13.509	2.519	1.864	3.291	2.79	3.377	51.236

ALIGNMENT 4B									
POINT NO	EASTING		NORTHING		RL				
4B1	360273.224		5786772.838		50.928				
4B2	360263.400		5786765.669		50.895				
CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
4B1 - 4B2	90	8.6	13.509	2.519	1.864	3.291	2.79	3.377	51.058

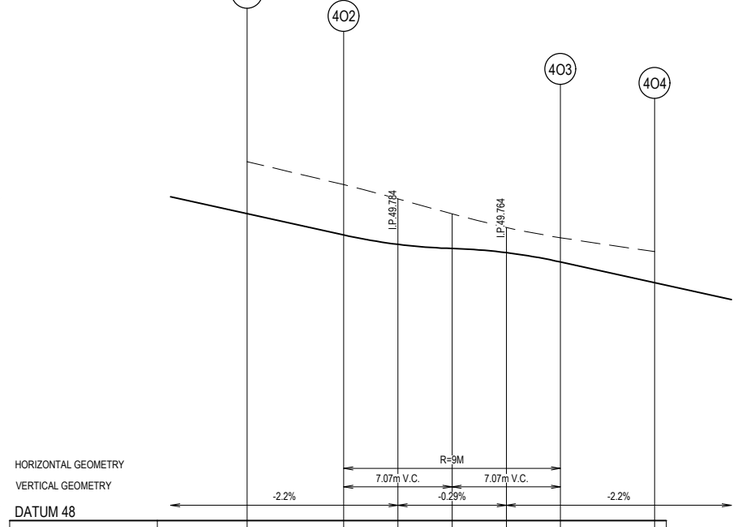


DATUM 48

DESIGN SURFACE	49.551	49.644	49.773	49.903	49.996	
EXISTING SURFACE	49.912	49.978	50.063	50.157	50.245	
CHAINAGE	0.000	3.377	6.754	10.132	13.509	

LIP PROFILE 4N

HORI 1 in 200
VERT 1 in 20



DATUM 48

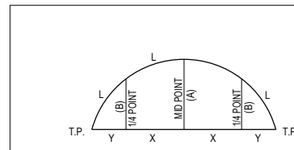
DESIGN SURFACE	50.001	49.862	49.801	49.774	49.747	49.686	49.551
EXISTING SURFACE	50.340	50.190	50.098	50.000	49.911	49.844	49.753
CHAINAGE	0.000	6.300	9.834	13.369	16.903	20.437	26.587

LIP PROFILE 4O

HORI 1 in 200
VERT 1 in 20

ALIGNMENT 4N									
POINT NO	EASTING		NORTHING		RL				
4N1	360322.285		5786756.465		49.551				
4N2	360315.116		5786766.290		49.996				
CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
4N1 - 4N2	90	8.6	13.509	2.519	1.864	3.291	2.79	3.377	49.773

ALIGNMENT 4O									
POINT NO	EASTING		NORTHING		RL				
4O1	360316.127		5786772.762		50.001				
4O2	360322.352		5786771.789		49.862				
4O3	360329.854		5786761.507		49.686				
4O4	360328.904		5786755.431		49.551				
CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
4O2 - 4O3	90	9	14.137	2.636	1.951	3.444	2.92	3.534	49.774



SET OUT DETAIL

N.T.S.

NOTE

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SCALE 1:200 AT A1 SIZE
SCALE 1:400 AT A3 SIZE

HORIZ 0 2 4 8 12 16

VERT 0 0.2 0.4 0.8 1.2 1.6

SCALE 1:20 AT A1 SIZE
SCALE 1:40 AT A3 SIZE

PRELIMINARY
NOT FOR CONSTRUCTION

VER	DATE	REVISION	APPD.
A	18/09/2020	PRELIMINARY ISSUE	LOD

LEGEND

- PROPOSED NEW PAVEMENT
- PROPOSED CONCRETE PATH
- PROPOSED CROSSOVER
- PROPOSED LANDSCAPING
- RESERVE
- PROPOSED GAS MAIN (G)
- PROPOSED WATER MAIN (W)
- PROPOSED NON-DRINKING WATER (NDW)
- PROPOSED ELECTRICITY CABLE (E)
- PROPOSED TELCO CABLE (T)
- PROPOSED DRAIN, PIT & PROPERTY INLET
- EXISTING SEWER MAIN & M.H. (ExS)
- STREET NAME SIGN
- PROPOSED GAS & WATER CONDUIT (GW)
- P.S.M.
- TGSI (TACTILE GROUND SURFACE INDICATORS)
- PROPOSED ROCK MASS WALL

Coords: MGA Levels: AHD

TAYLORS
Urban Development | Infrastructure
8 / 270 Ferntree Gully Road, Notting Hill, Victoria, 3168
Tel: 61 3 9501 2800 | Web: taylorsds.com.au

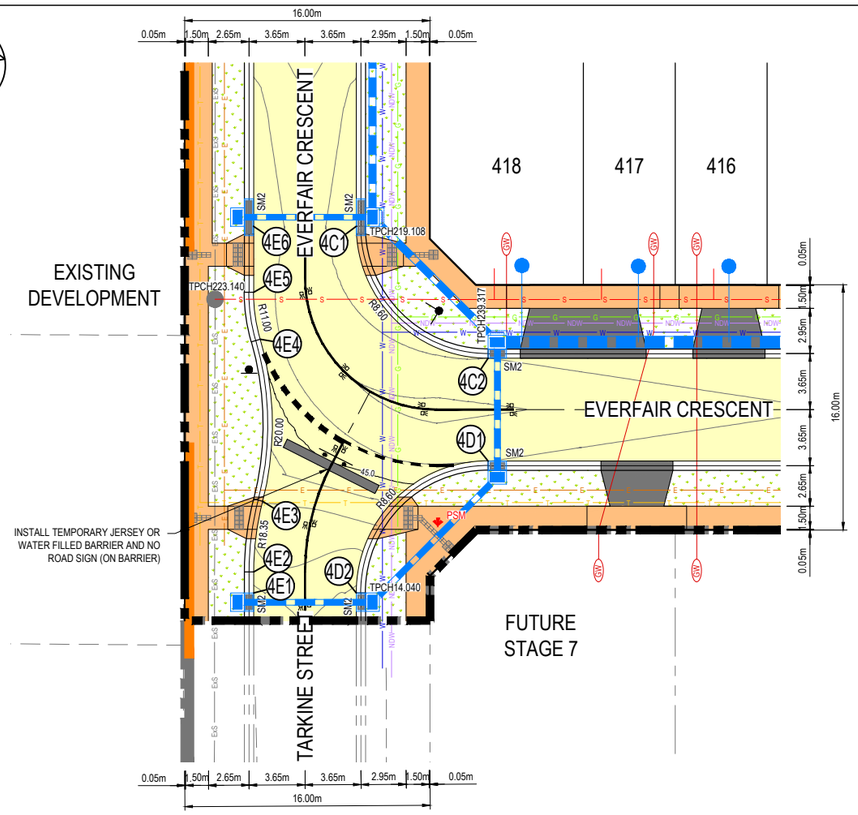
DESIGNED:	LOD	AUTHORISED:	JOY
CHECKED:	ADK	AUTH. DATE:	18/09/2020
DRAFTED:	WGO	CAD REF:	01177-04-E-129-134

CARDINIA SHIRE COUNCIL

415 PRINCES HIGHWAY, OFFICER VIC 3809
HILLSTOWE ESTATE, STAGE 4

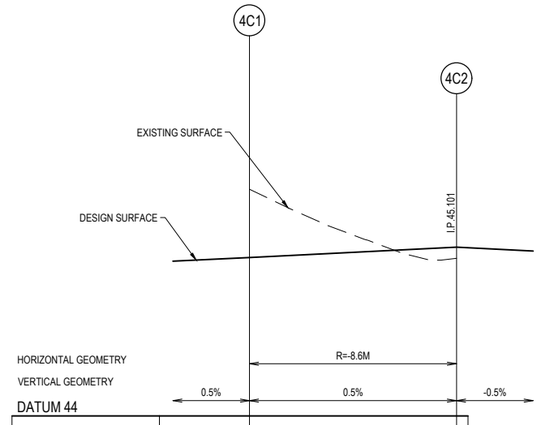
INTERSECTION DETAILS AND KERB LIP PROFILES
SHEET 1 OF 6

SCALE	1:200 H, 1:20 V @ A1
VERSION	A
SHEET	30 OF 53
DRAWING No.	01177-04-E-129



EVERFAIR CRESCENT AND TARKINE STREET INTERSECTION LAYOUT

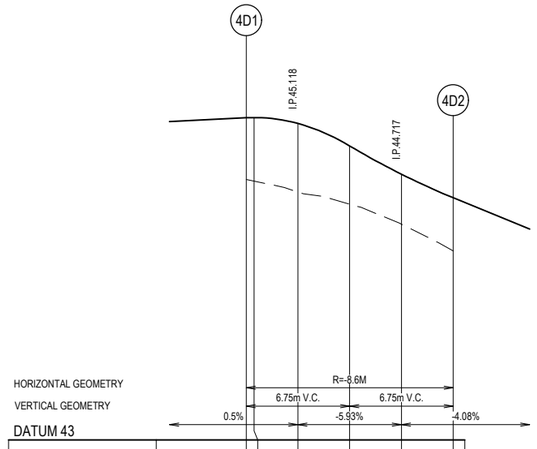
SCALE 1:200 @ A1



DESIGN SURFACE	45.033		45.101
EXISTING SURFACE	45.479		45.027
CHAINAGE	0.000		13.509

LIP PROFILE 4C

HORI 1 in 200
VERT 1 in 20



DESIGN SURFACE	45.101 45.102	45.063	44.917	44.733	44.579	
EXISTING SURFACE	44.699 44.690	44.620	44.541	44.408	44.233	
CHAINAGE	0.000 0.525	3.377	6.754	10.132	13.509	

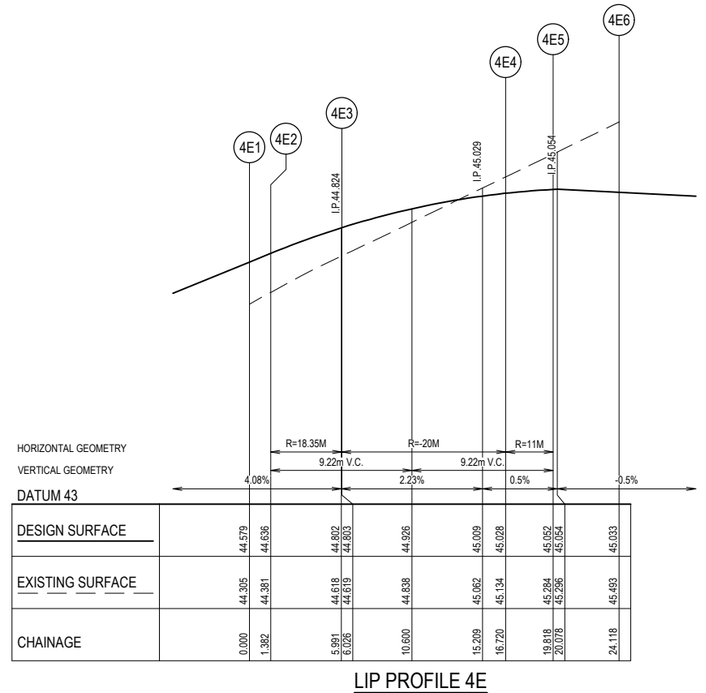
LIP PROFILE 4D

HORI 1 in 200
VERT 1 in 20

ALIGNMENT 4C									
POINT NO	EASTING	NORTHING	RL						
4C1	360241.733	5786627.044	45.033						
4C2	360248.902	5786617.219	45.101						
CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
4C1 - 4C2	90	8.6	13.509	2.519	1.864	3.291	2.79	3.377	45.067

ALIGNMENT 4D									
POINT NO	EASTING	NORTHING	RL						
4D1	360247.867	5786610.600	45.101						
4D2	360238.042	5786603.431	44.579						
CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
4D1 - 4D2	90	8.6	13.509	2.519	1.864	3.291	2.79	3.377	44.917

ALIGNMENT 4E									
POINT NO	EASTING	NORTHING	RL						
4E1	360231.422	5786604.466	44.579						
4E2	360231.636	5786605.831	44.636						
4E3	360232.923	5786610.280	44.803						
4E4	360234.405	5786620.743	45.028						
4E5	360234.449	5786623.830	45.052						
4E6	360235.113	5786628.079	45.033						
CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
4E2 - 4E3	14.5	18.35	4.644	0.147	0.11	1.16	1.156	1.161	44.725
4E3 - 4E4	30.637	20	10.694	0.711	0.532	2.666	2.618	2.674	44.943
4E4 - 4E5	16.138	11	3.098	0.109	0.082	0.774	0.77	0.775	45.042



DESIGN SURFACE	44.579	44.636	44.802	44.803	44.926	45.009	45.028	45.052	45.054	45.033			
EXISTING SURFACE	44.305	44.381	44.618	44.619	44.838	45.062	45.134	45.284	45.296	45.493			
CHAINAGE	0.000	1.382	5.991	6.026	10.600	15.209	16.720	19.818	20.078	24.118			

LIP PROFILE 4E

HORI 1 in 200
VERT 1 in 20

SET OUT DETAIL

N.T.S.

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SCALE 1:200 AT A1 SIZE
SCALE 1:400 AT A3 SIZE

HORIZ 0 2 4 8 12 16

VERT 0 0.2 0.4 0.8 1.2 1.6

SCALE 1:20 AT A1 SIZE
SCALE 1:40 AT A3 SIZE

PRELIMINARY
NOT FOR CONSTRUCTION

VER	DATE	REVISION	APPD.
A	18/09/2020	PRELIMINARY ISSUE	LOD

PROPOSED NEW PAVEMENT
PROPOSED CONCRETE PATH
PROPOSED CROSSOVER
PROPOSED LANDSCAPING
EXISTING SEWER MAIN & M.H.
PROPOSED GAS MAIN
PROPOSED WATER MAIN
PROPOSED NON-DRINKING WATER
PROPOSED ELECTRICITY CABLE
PROPOSED TELCO CABLE
PROPOSED SEWER MAIN & M.H.
PROPOSED DRAIN, PIT & PROPERTY INLET
STREET NAME SIGN
PROPOSED GAS & WATER CONDUIT
P.S.M.
TGSI (TACTILE GROUND SURFACE INDICATORS)
PROPOSED RETAINING WALL

LEGEND

Coords: MGA Levels: AHD

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DESIGNED:	LOD	AUTHORISED:	JOY	DRAFTED:	WGO
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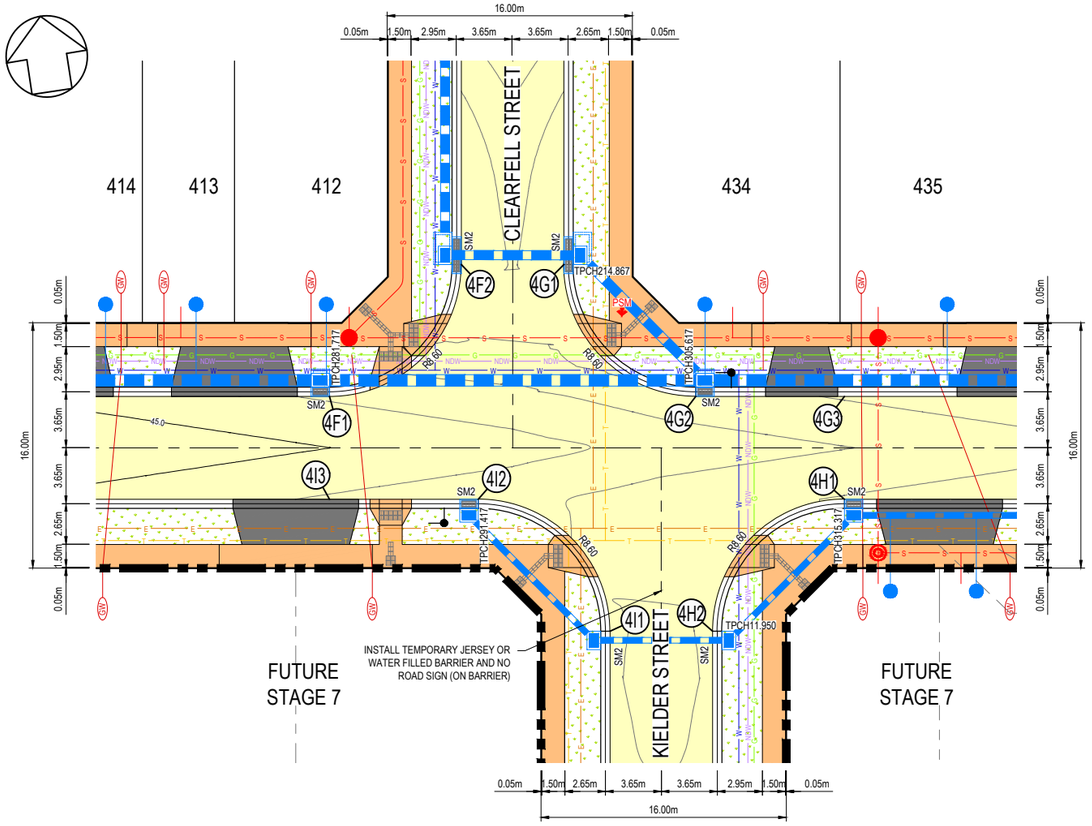
CARDINIA SHIRE COUNCIL

415 PRINCES HIGHWAY, OFFICER VIC 3809
HILLSTOWE ESTATE, STAGE 4

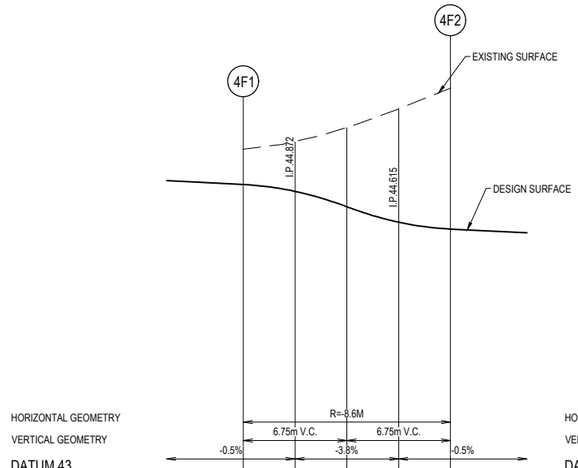
INTERSECTION DETAILS AND KERB LIP PROFILES
SHEET 2 OF 6

SCALE	1:200 H, 1:20 V @ A1
VERSION	A
SHEET	31 OF 53
DRAWING No.	01177-04-E-130



EVERFAIR CRESCENT, CLEARFELL STREET AND KIELDER STREET INTERSECTION LAYOUT

SCALE 1:200 @ A1



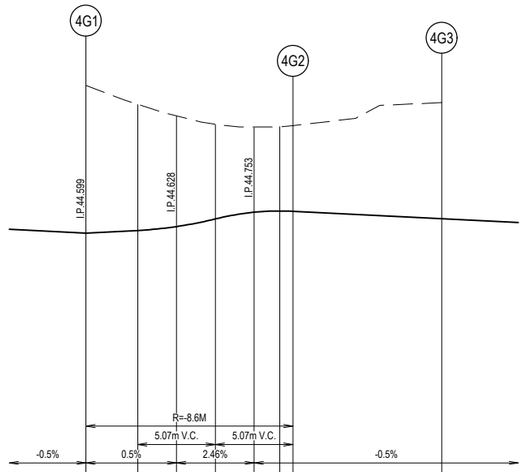
HORIZONTAL GEOMETRY
VERTICAL GEOMETRY

DATUM 43

DESIGN SURFACE	44.889	44.844	44.744	44.643	44.599
EXISTING SURFACE	45.120	45.167	45.259	45.382	45.517
CHAINAGE	0.000	3.377	6.754	10.132	13.509

LIP PROFILE 4F

HORI 1 in 200
VERT 1 in 20



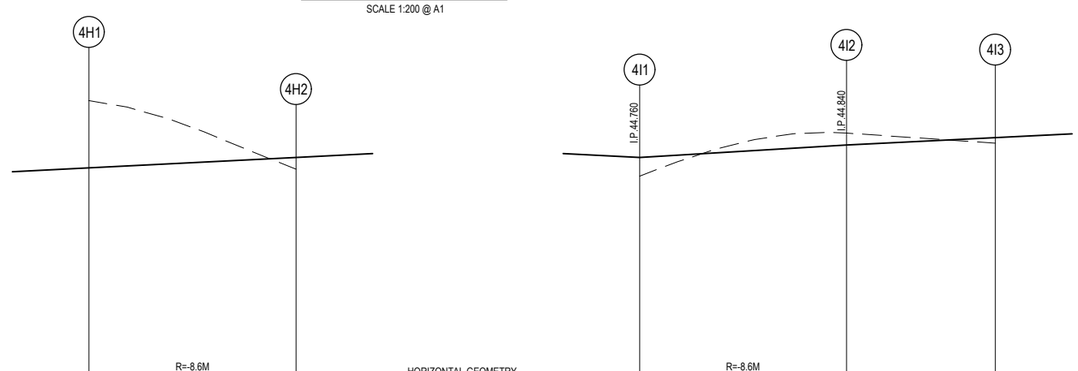
HORIZONTAL GEOMETRY
VERTICAL GEOMETRY

DATUM 43

DESIGN SURFACE	44.599	44.615	44.641	44.691	44.734	44.742	44.692
EXISTING SURFACE	45.562	45.436	45.359	45.305	45.286	45.291	45.449
CHAINAGE	0.000	3.377	5.910	8.443	10.976	12.654	13.509	23.209

LIP PROFILE 4G

HORI 1 in 200
VERT 1 in 20



HORIZONTAL GEOMETRY
VERTICAL GEOMETRY

DATUM 43

DESIGN SURFACE	44.692		44.760
EXISTING SURFACE	45.131		44.683
CHAINAGE	0.000		13.509

LIP PROFILE 4H

HORI 1 in 200
VERT 1 in 20

HORIZONTAL GEOMETRY
VERTICAL GEOMETRY

DATUM 43

DESIGN SURFACE	44.760	44.840	44.889
EXISTING SURFACE	44.638	44.919	44.854
CHAINAGE	0.000	13.509	23.209

LIP PROFILE 4I

HORI 1 in 200
VERT 1 in 20

ALIGNMENT 4F

POINT NO	EASTING	NORTHING	RL
4F1	360290.793	5786610.672	44.889
4F2	360300.618	5786617.841	44.599

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
4F1 - 4F2	90	8.6	13.509	2.519	1.864	3.291	2.79	3.377	44.744

ALIGNMENT 4G

POINT NO	EASTING	NORTHING	RL
4G1	360307.238	5786616.806	44.599
4G2	360314.406	5786606.981	44.740
4G3	360323.990	5786605.483	44.692

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
4G1 - 4G2	90	8.6	13.509	2.519	1.864	3.291	2.79	3.377	44.654

ALIGNMENT 4H

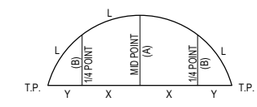
POINT NO	EASTING	NORTHING	RL
4H1	360322.955	5786598.864	44.692
4H2	360313.130	5786591.695	44.760

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
4H1 - 4H2	90	8.6	13.509	2.519	1.864	3.291	2.79	3.377	44.726

ALIGNMENT 4I

POINT NO	EASTING	NORTHING	RL
4I1	360306.511	5786592.729	44.760
4I2	360299.342	5786602.554	44.840
4I3	360289.758	5786604.052	44.889

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
4I1 - 4I2	90	8.6	13.509	2.519	1.864	3.291	2.79	3.377	44.8



SET OUT DETAIL

N.T.S.

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SCALE 1:200 AT A1 SIZE
SCALE 1:400 AT A3 SIZE

HORIZ 0 2 4 8 12 16

VERT 0 0.2 0.4 0.8 1.2 1.6

SCALE 1:20 AT A1 SIZE
SCALE 1:40 AT A3 SIZE

PRELIMINARY
NOT FOR CONSTRUCTION

VER	DATE	REVISION	APPD.
A	18/09/2020	PRELIMINARY ISSUE	LOD

LEGEND

PROPOSED NEW PAVEMENT
PROPOSED CONCRETE PATH
PROPOSED CROSSOVER
PROPOSED LANDSCAPING
PROPOSED GAS MAIN
PROPOSED WATER MAIN
PROPOSED NON-DRINKING WATER
PROPOSED ELECTRICITY CABLE
PROPOSED TELCO CABLE
PROPOSED SEWER MAIN & M.H.
PROPOSED DRAIN, PIT & PROPERTY INLET
STREET NAME SIGN
PROPOSED GAS & WATER CONDUIT
P.S.M.
TGSI (TACTILE GROUND SURFACE INDICATORS)

Coords: MGA Levels: AHD

TAYLORS
Urban Development | Infrastructure
8 / 270 Ferntree Gully Road, Notting Hill, Victoria, 3168
Tel: 61 3 9501 2800 | Web: taylorsds.com.au

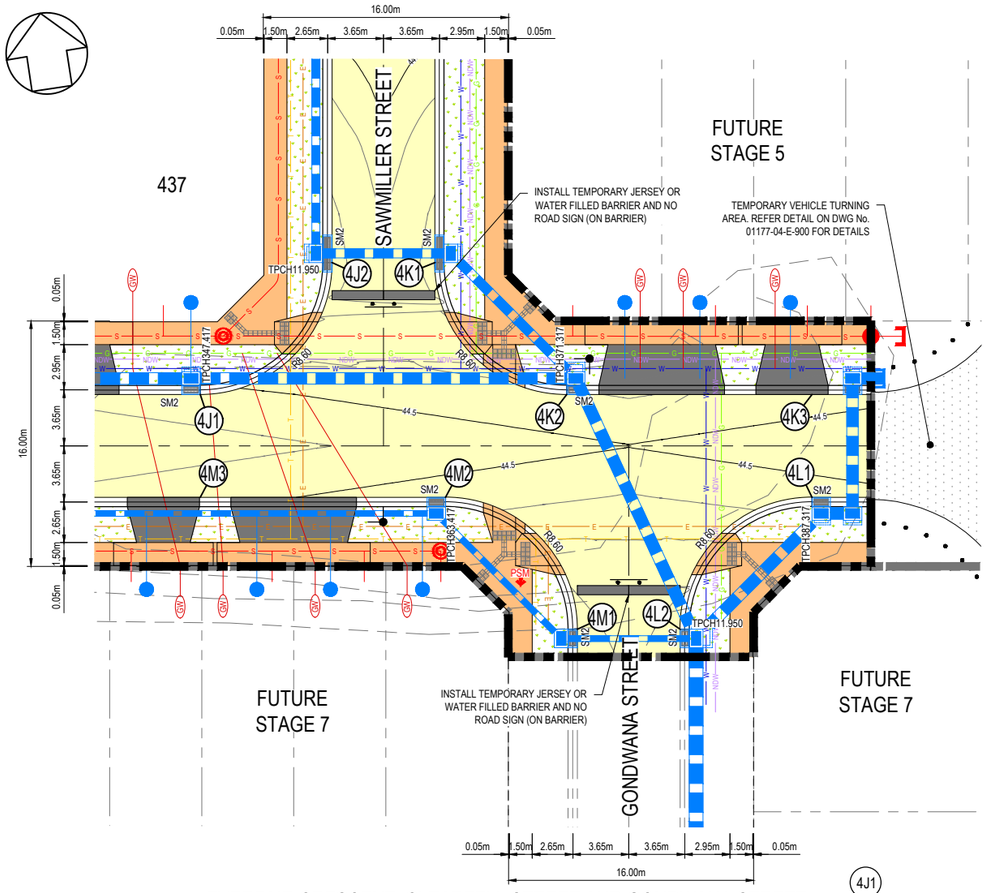
DESIGNED:	LOD	AUTHORISED:	JOY	DRAFTED:	WGO
CHECKED:	ADK	AUTH. DATE:	18/09/2020	CAD REF:	01177-04-E-129-134

CARDINIA SHIRE COUNCIL

415 PRINCES HIGHWAY, OFFICER VIC 3809
HILLSTOWE ESTATE, STAGE 4

INTERSECTION DETAILS AND KERB LIP PROFILES
SHEET 3 OF 6

SCALE	1:200 H, 1:20 V @ A1
VERSION	A
SHEET	32 OF 53
DRAWING No.	01177-04-E-131



EVERFAIR CRESCENT, CLEARFELL STREET AND GONDWANA STREET INTERSECTION LAYOUT

SCALE 1:200 @ A1

ALIGNMENT 4J

POINT NO	EASTING	NORTHING	RL
4J1	360355.705	5786600.526	44.531
4J2	360365.530	5786607.695	44.268

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
4J1 - 4J2	90	8.6	13.509	2.519	1.864	3.291	2.79	3.377	44.383

ALIGNMENT 4K

POINT NO	EASTING	NORTHING	RL
4K1	360372.149	5786606.660	44.268
4K2	360379.318	5786596.835	44.412
4K3	360395.126	5786594.365	44.451

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
4K1 - 4K2	90	8.6	13.509	2.519	1.864	3.291	2.79	3.377	44.356

ALIGNMENT 4L

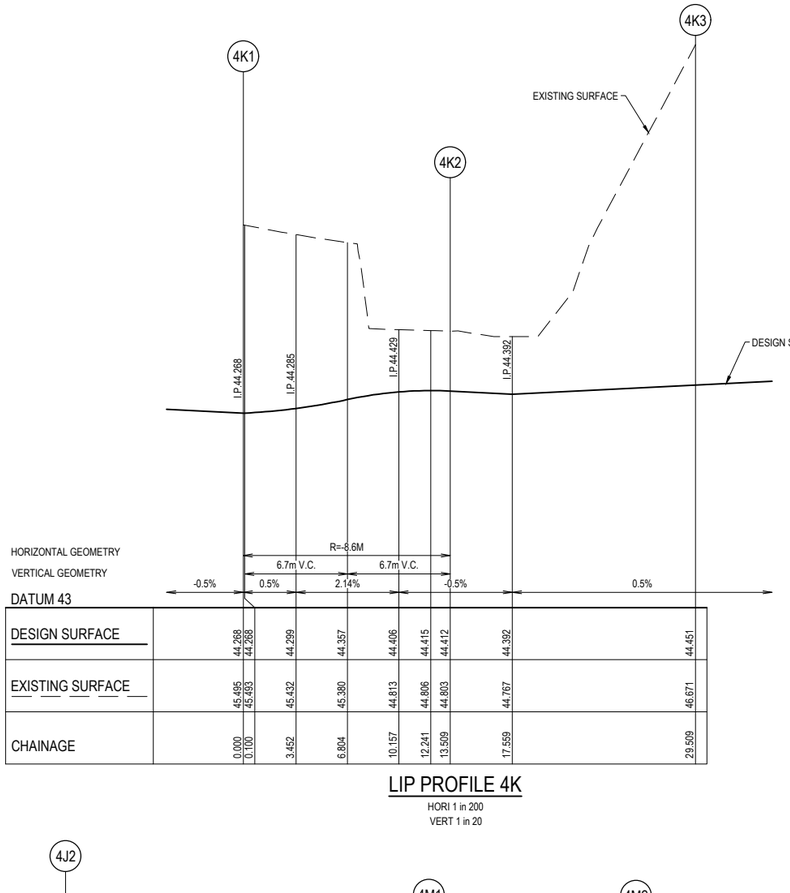
POINT NO	EASTING	NORTHING	RL
4L1	360394.092	5786587.745	44.451
4L2	360384.267	5786580.576	44.144

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
4L1 - 4L2	90	8.6	13.509	2.519	1.864	3.291	2.79	3.377	44.316

ALIGNMENT 4M

POINT NO	EASTING	NORTHING	RL
4M1	360377.647	5786581.611	44.144
4M2	360370.478	5786591.436	44.451
4M3	360354.670	5786593.907	44.531

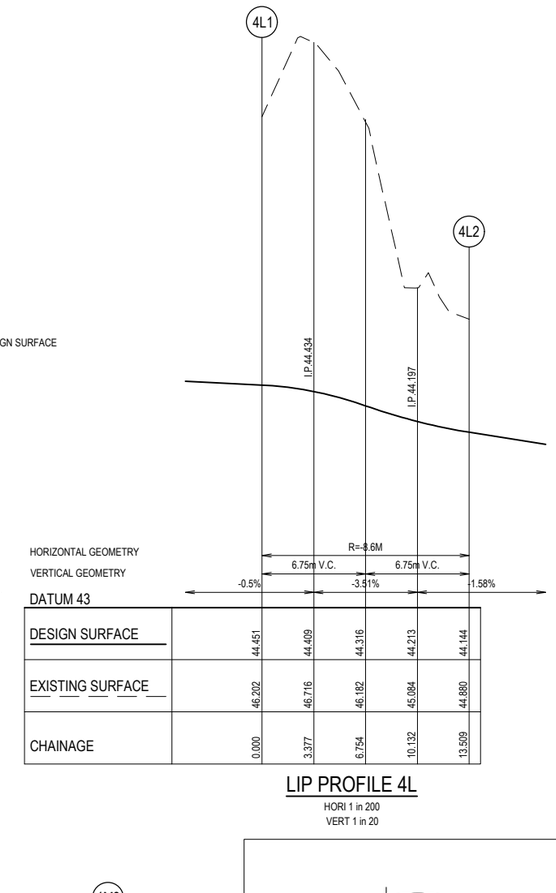
CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
4M1 - 4M2	90	8.6	13.509	2.519	1.864	3.291	2.79	3.377	44.316



DESIGN SURFACE	44.268	44.268	44.299	44.357	44.406	44.415	44.412	44.392	44.451
EXISTING SURFACE	45.495	45.493	45.432	45.380	44.813	44.806	44.803	44.767	45.671
CHAINAGE	0.000	0.100	3.452	6.804	10.157	12.241	13.509	17.559	29.509

LIP PROFILE 4K

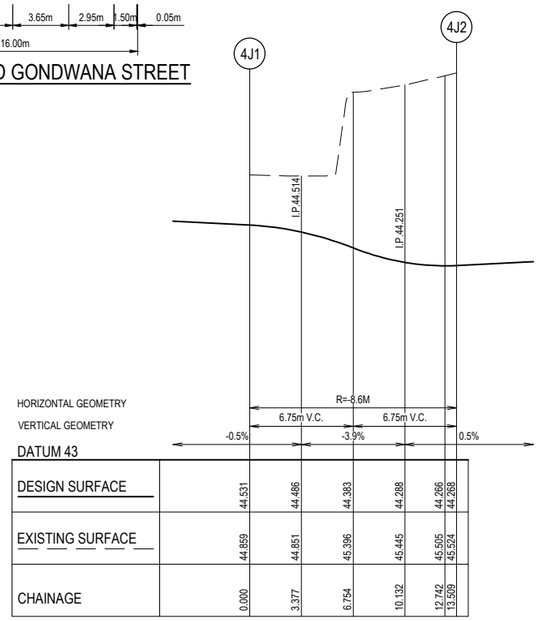
HORI 1 in 200
VERT 1 in 20



DESIGN SURFACE	44.451	44.409	44.316	44.213	44.144
EXISTING SURFACE	46.202	45.716	46.182	45.084	44.880
CHAINAGE	0.000	3.377	6.754	10.132	13.509

LIP PROFILE 4L

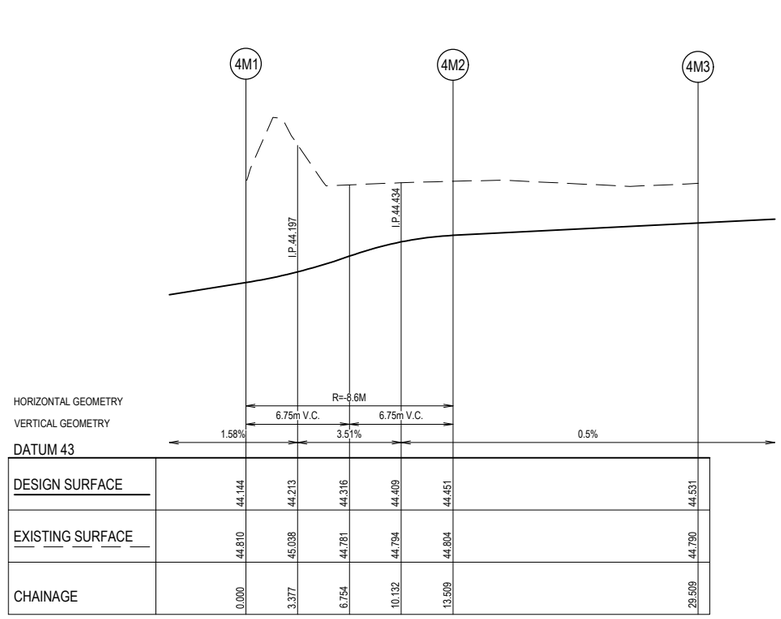
HORI 1 in 200
VERT 1 in 20



DESIGN SURFACE	44.531	44.486	44.383	44.288	44.266	44.268
EXISTING SURFACE	44.859	44.851	45.396	45.445	45.505	45.524
CHAINAGE	0.000	3.377	6.754	10.132	12.742	13.509

LIP PROFILE 4J

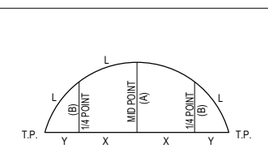
HORI 1 in 200
VERT 1 in 20



DESIGN SURFACE	44.144	44.213	44.316	44.409	44.451	44.531
EXISTING SURFACE	44.810	45.038	44.781	44.794	44.804	44.790
CHAINAGE	0.000	3.377	6.754	10.132	13.509	29.509

LIP PROFILE 4M

HORI 1 in 200
VERT 1 in 20



SET OUT DETAIL

N.T.S.

NOTE

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SCALE 1:200 AT A1 SIZE
SCALE 1:400 AT A3 SIZE

HORIZ 0 2 4 8 12 16

VERT 0 0.2 0.4 0.8 1.2 1.6

SCALE 1:20 AT A1 SIZE
SCALE 1:40 AT A3 SIZE

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VER	DATE	REVISION	APPD.
A	18/09/2020	PRELIMINARY ISSUE	LOD

PROPOSED NEW PAVEMENT
PROPOSED CONCRETE PATH
PROPOSED CROSSOVER
PROPOSED LANDSCAPING
PROPOSED GAS MAIN
PROPOSED WATER MAIN
PROPOSED NON-DRINKING WATER
PROPOSED ELECTRICITY CABLE
PROPOSED TELCO CABLE
PROPOSED SEWER MAIN & M.H.
PROPOSED DRAIN, PIT & PROPERTY INLET
STREET NAME SIGN
PROPOSED GAS & WATER CONDUIT
P.S.M.
TGSI (TACTILE GROUND SURFACE INDICATORS)

LEGEND

Coords: MGA Levels: AHD

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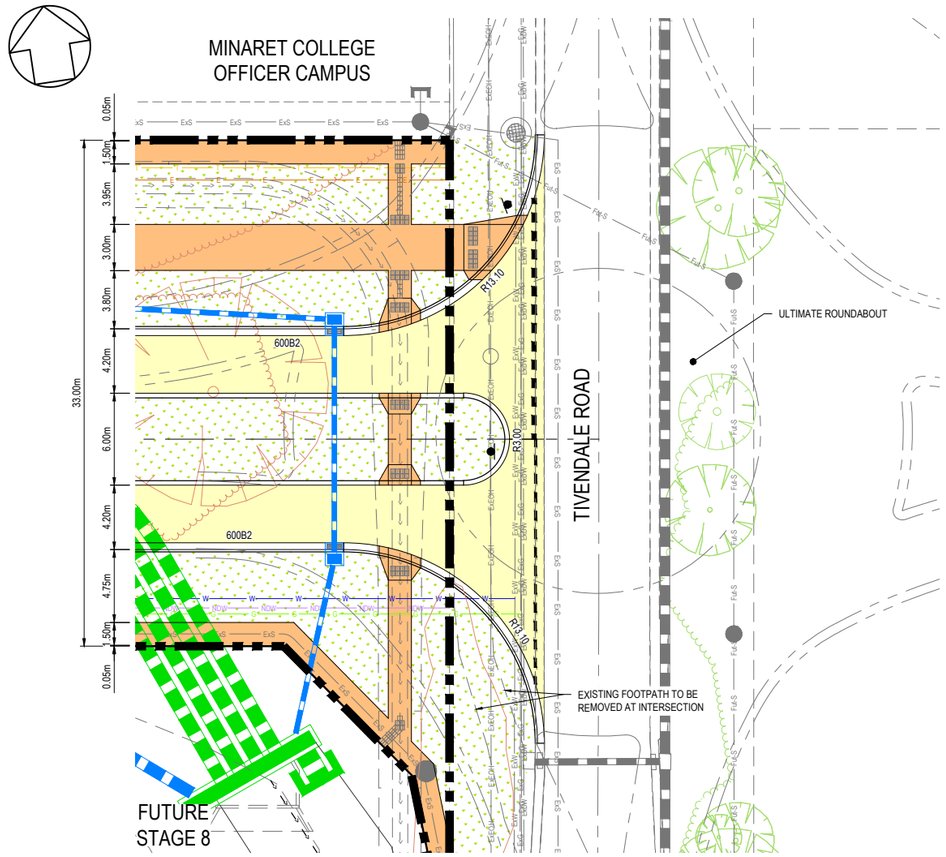
CARDINIA SHIRE COUNCIL

415 PRINCES HIGHWAY, OFFICER VIC 3809
HILLSTOWE ESTATE, STAGE 4

INTERSECTION DETAILS AND KERB LIP PROFILES
SHEET 4 OF 6

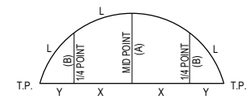
SCALE	1:200 H, 1:20 V @ A1
VERSION	A
SHEET	33 OF 53
DRAWING No.	01177-04-E-132



TIMBERTOP BOULEVARD AND TIVENDALE ROAD
INTERSECTION LAYOUT
SCALE 1:200 @ A1

LEGEND

- PAVEMENT
- FOOTPATH
- NATURE STRIP



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NOTE : TIMBERTOP BOULEVARD ROAD DESIGN IS YET TO BE FINALISED

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SCALE 1:400 AT A3 SIZE

HORIZ 0 2 4 8 12 16
VERT 0 0.2 0.4 0.8 1.2 1.6

SCALE 1:20 AT A1 SIZE
SCALE 1:40 AT A3 SIZE

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LEGEND

EXISTING GAS MAIN	ExG	PROPOSED GAS MAIN	OPEN CATCH DRAIN
EXISTING WATER MAIN	ExW	PROPOSED WATER MAIN	STREET NAME SIGN
EXISTING ELECTRICITY CABLE	ExE POLE E	PROPOSED NON-DRINKING WATER	PROPOSED GAS & WATER CONDUIT
EXISTING OVERHEAD CABLE	ExEOH	PROPOSED ELECTRICITY CABLE	TGSI (TACTILE GROUND SURFACE INDICATORS)
EXISTING TELCO CABLE & PIT	ExT	PROPOSED TELCO CABLE	
EXISTING SEWER MAIN & M.H.	ExS	PROPOSED DRAIN, PIT & GRATED INLET	
EXISTING DRAIN & PIT		MELBOURNE WATER DRAIN & PIT	

Coords: MGA Levels: AHD

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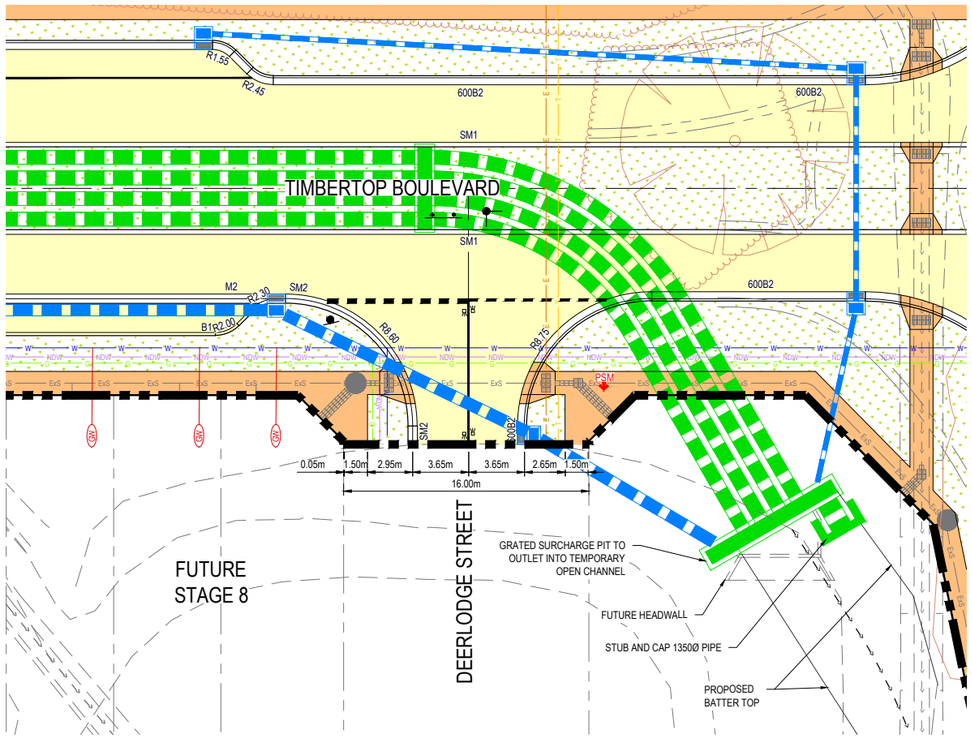
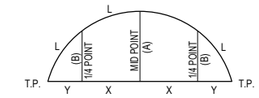
INTERSECTION DETAILS AND KERB LIP PROFILES
SHEET 5 OF 6

SCALE	1:200 H, 1:20 V @ A1
VERSION	A
SHEET	34 OF 53
DRAWING No.	01177-04-E-133



TIMBERTOP BOULEVARD AND DEERLODGE STREET
INTERSECTION LAYOUT
SCALE 1:200 @ A1



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SCALE 1:400 AT A3 SIZE
HORIZ 0 2 4 8 12 16
VERT 0 0.2 0.4 0.8 1.2 1.6
SCALE 1:20 AT A1 SIZE
SCALE 1:40 AT A3 SIZE

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VER	DATE	REVISION	APPD.
A	18/09/2020	PRELIMINARY ISSUE	LOD

LEGEND

PROPOSED NEW PAVEMENT		EXISTING SEWER MAIN & M.H.	STREET NAME SIGN P.S.M.
PROPOSED CONCRETE PATH		PROPOSED GAS MAIN	PROPOSED GAS & WATER CONDUIT
PROPOSED LANDSCAPING		PROPOSED WATER MAIN	TGSI (TACTILE GROUND SURFACE INDICATORS)
		PROPOSED NON-DRINKING WATER	
		PROPOSED DRAIN, PIT & PROPERTY INLET	
		MELBOURNE WATER DRAIN & PIT	
		OPEN CATCH DRAIN	

Coords: MGA Levels: AHD

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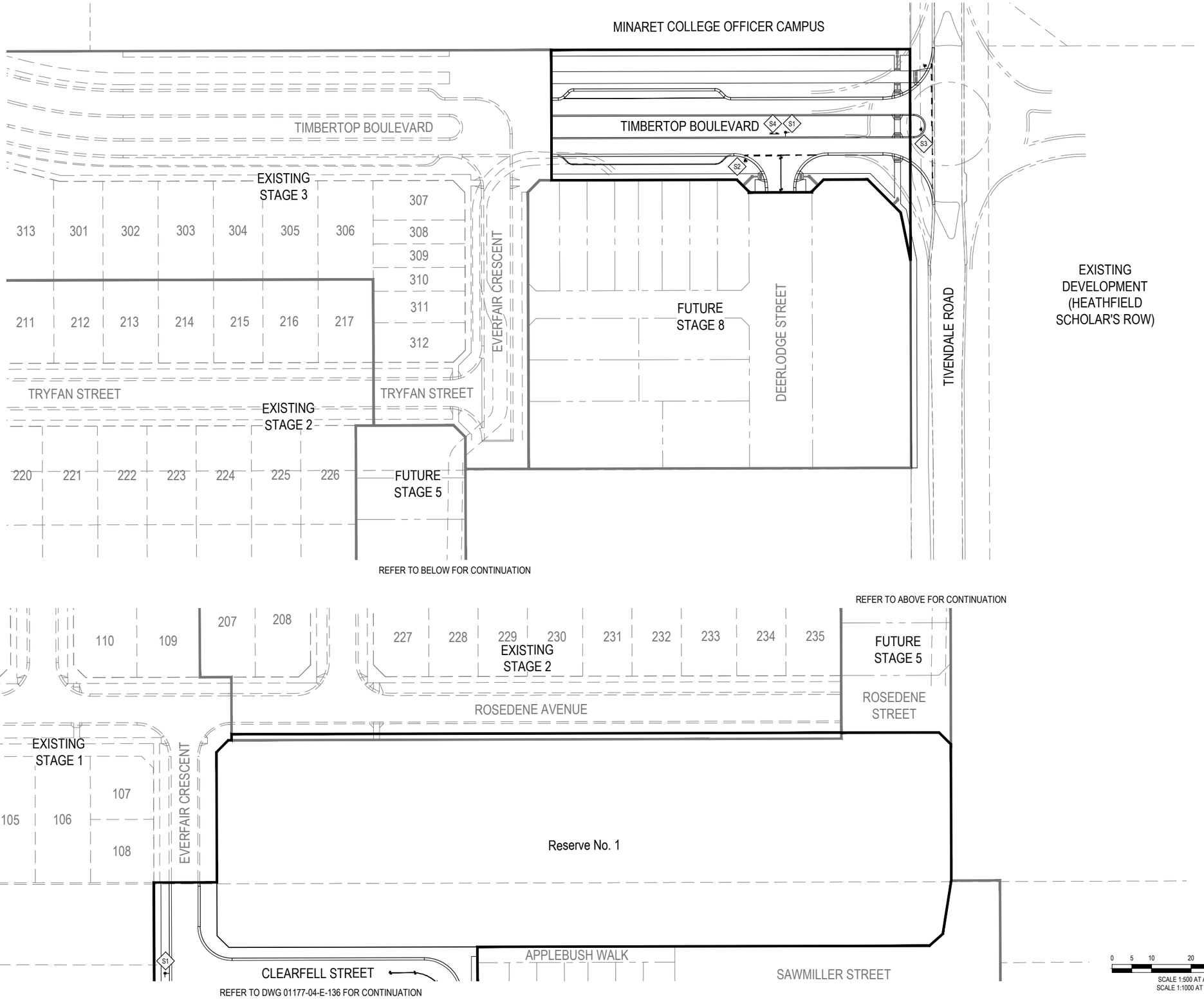
415 PRINCES HIGHWAY, OFFICER VIC 3809
HILLSTOWE ESTATE, STAGE 4
INTERSECTION DETAILS AND KERB LIP PROFILES
SHEET 6 OF 6

SCALE	1:200 H, 1:20 V @ A1
VERSION	A
SHEET	35 OF 53
DRAWING No.	01177-04-E-134



INSTALLATION NOTES:

CIVIL CONTRACTOR

1. CONSTRUCT ROADWORKS AS SHOWN.
2. CONSTRUCT DDA COMPLIANT PRAM CROSSINGS IN ACCORDANCE WITH AS1428.
3. CONSTRUCT CUT-THROUGH WALKWAYS AS SHOWN IN ACCORDANCE WITH AS1428.
4. SUPPLY AND INSTALL PUBLIC LIGHTING AND REMOVE ANY REDUNDANT POLES OR EQUIPMENT. REFER GENERAL NOTES ON DWG 01177-04-E-100.
5. CONSTRUCT (SUPPLY ALL MATERIALS AND LABOR) PEDESTRIAN FOOTPATH AS SHOWN.
6. LINEMARK AS SHOWN AND REMOVE ANY REDUNDANT MARKINGS.
7. SUPPLY AND INSTALL RRPM'S AND RPM'S AS SHOWN AND REMOVE ANY REDUNDANT MARKERS.
8. SUPPLY AND INSTALL ROAD SIGNS WHERE SHOWN AND REMOVE ANY REDUNDANT SIGNS.
9. ALL VESI PITS AND ASSOCIATED CONDUITS TO BE INSTALLED BY POWER COMPANY APPROVED PRE-QUALIFIED ELECTRICAL CONTRACTORS.

LINEMARKING NOTES:

1. ALL DIMENSIONS ARE TO FACE OF KERB AND CHANNEL UNLESS OTHERWISE NOTED.
2. LINEMARKING IN ACCORDANCE WITH VICROADS TRAFFIC ENGINEERING MANUAL VOLUME 2: SIGNS AND LINEMARKING.

SIGN		TYPE
	STREET NAME PLATE	S1
GIVE WAY	R1-2A	S2
KEEP LEFT	R2-3	S3
ONE WAY	R2-2A	S4

SIGNAGE LEGEND

N.T.S.

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0 5 10 20 30 40

SCALE 1:500 AT A1 SIZE
SCALE 1:1000 AT A3 SIZE

PRELIMINARY
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VER	DATE	REVISION	APPD.
A	18/09/2020	PRELIMINARY ISSUE	LOD

LEGEND

- 300mm WIDE GIVE WAY HOLDING LINE
- 100mm WIDE SEPARATION LINE
- 100mm WIDE BARRIER LINE
- RAISED REFLECTIVE PAVEMENT MARKERS
- TGSI (TACTILE GROUND SURFACE INDICATORS)

Coords: MGA Levels: AHD

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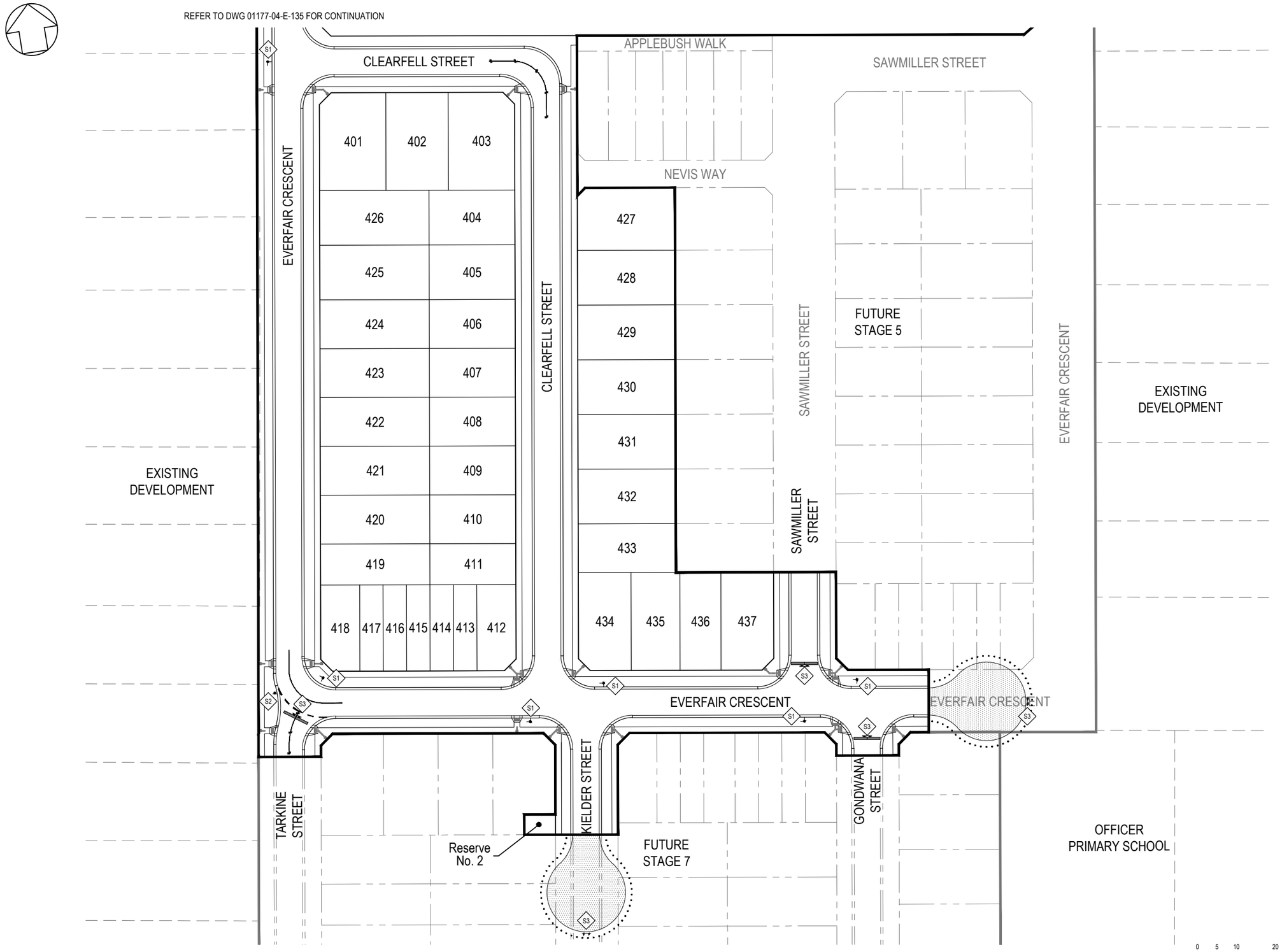
CARDINIA SHIRE COUNCIL

415 PRINCES HIGHWAY, OFFICER VIC 3809
HILLSTOWE ESTATE, STAGE 4

SIGNS AND LINEMARKING PLAN
SHEET 1 OF 2

SCALE	1:500 @ A1
VERSION	A
SHEET	36 OF 53
DRAWING No.	01177-04-E-135



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6. LINEMARK AS SHOWN AND REMOVE ANY REDUNDANT MARKINGS.
7. SUPPLY AND INSTALL RRPM'S AND RPM'S AS SHOWN AND REMOVE ANY REDUNDANT MARKERS.
8. SUPPLY AND INSTALL ROAD SIGNS WHERE SHOWN AND REMOVE ANY REDUNDANT SIGNS.
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SIGN		TYPE
	STREET NAME PLATE	S1
GIVE WAY	R1-2A	S2
NO ROAD	D4-5	S3

SIGNAGE LEGEND

N.T.S.

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0 5 10 20 30 40

SCALE 1:500 AT A1 SIZE
SCALE 1:1000 AT A3 SIZE

PRELIMINARY
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VER	DATE	REVISION	APPD.
A	18/09/2020	PRELIMINARY ISSUE	LOD

LEGEND

- 300mm WIDE GIVE WAY HOLDING LINE
- 100mm WIDE SEPARATION LINE
- 100mm WIDE BARRIER LINE
- RAISED REFLECTIVE PAVEMENT MARKERS
- TGSI (TACTILE GROUND SURFACE INDICATORS)

Coords: MGA Levels: AHD

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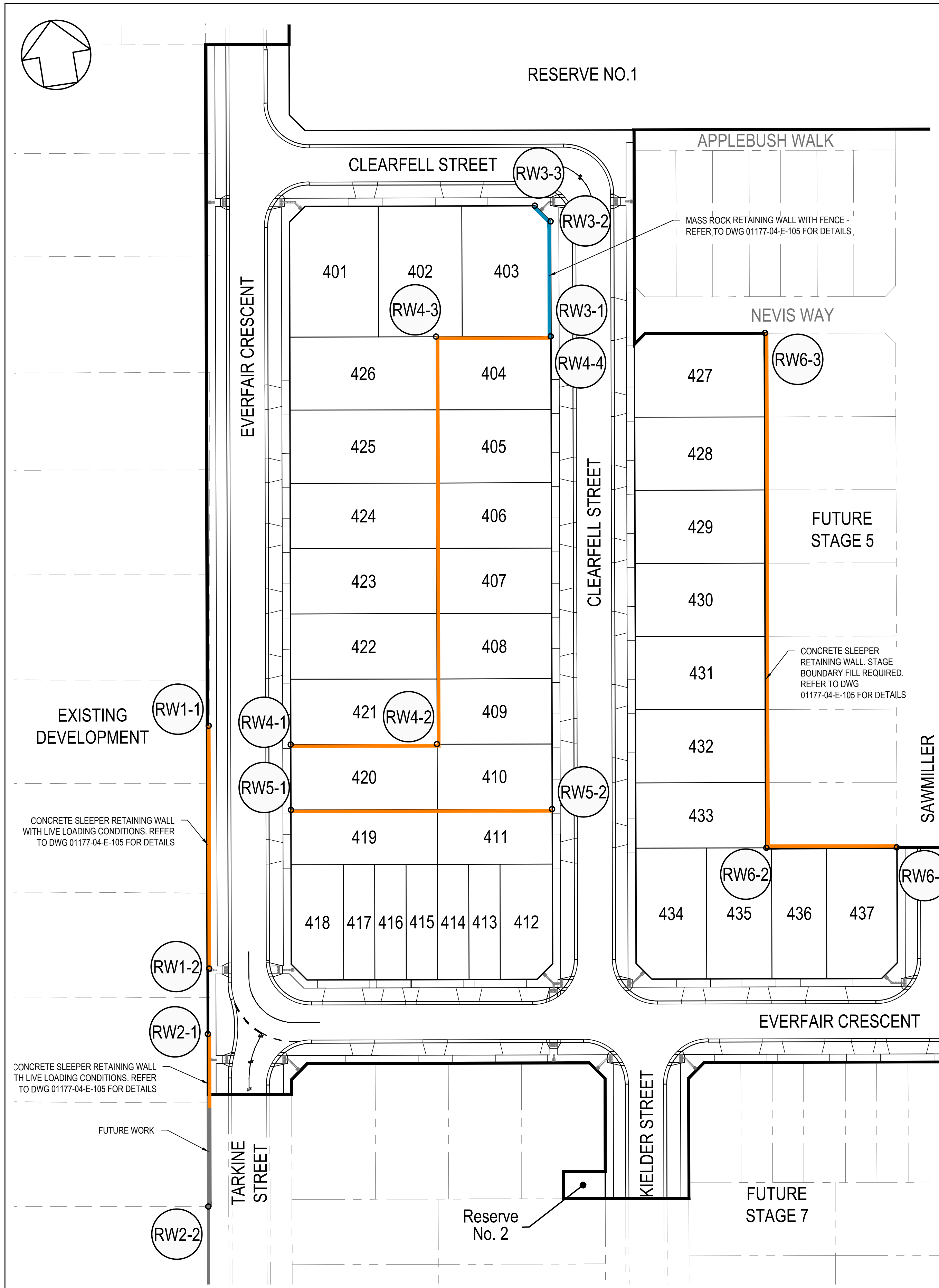
415 PRINCES HIGHWAY, OFFICER VIC 3809
HILLSTOWE ESTATE, STAGE 4

SIGNS AND LINEMARKING PLAN
SHEET 2 OF 2

SCALE	1:500 @ A1
VERSION	A
SHEET	37 OF 53
DRAWING No.	01177-04-E-136



RETAINING WALL SETOUT PLAN

SCALE 1:500 @ A1

RETAINING WALL SETOUT TABLE

ALIGNMENT RW1 - CONCRETE SLEEPER

POINT NO	CHAINAGE	EASTING	NORTHING	RL	BEARING
RW1-1	0.000	360237.896	5786673.080	47.093	188°53'00.00"
RW1-2	46.505	360230.714	5786627.133	45.093	188°53'00.00"

ALIGNMENT RW2 - CONCRETE SLEEPER

POINT NO	CHAINAGE	EASTING	NORTHING	RL	BEARING
RW2-1	0.000	360228.488	5786614.831	44.678	188°53'00.00"
RW2-2	33.025	360223.388	5786582.202	43.278	188°53'00.00"

ALIGNMENT RW3 - MASS ROCK

POINT NO	CHAINAGE	EASTING	NORTHING	RL	BEARING
RW3-1	0.000	360314.292	5786736.409	49.170	8°53'00.00"
RW3-2	22.000	360317.689	5786758.145	49.666	
RW3-3	26.243	360315.188	5786761.573	50.051	323°53'00.00"

ALIGNMENT RW4 - CONCRETE SLEEPER

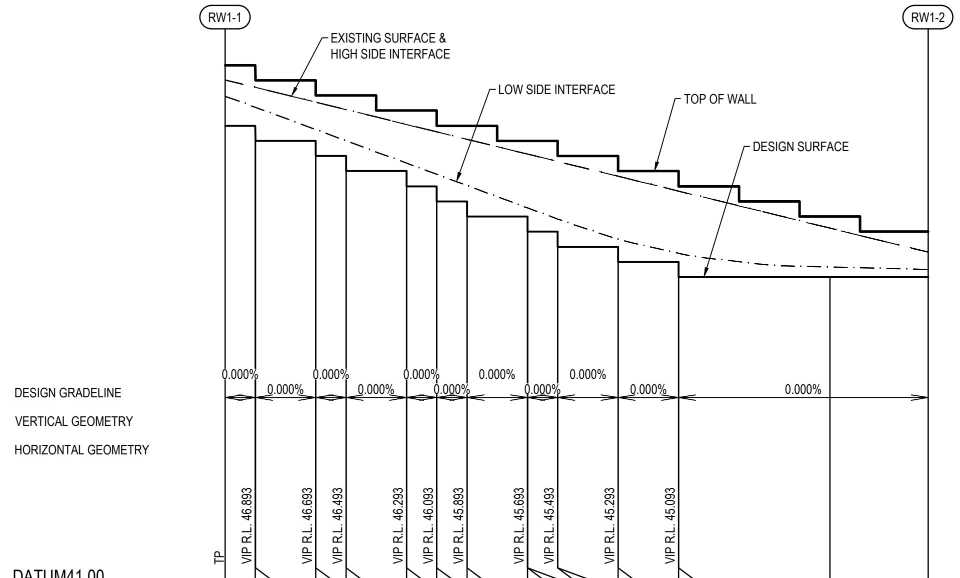
POINT NO	CHAINAGE	EASTING	NORTHING	RL	BEARING
RW4-1	0.000	360252.846	5786667.066	46.591	98°53'00.00"
RW4-2	28.000	360280.511	5786662.742	46.591	
RW4-3	106.000	360292.556	5786739.806	49.391	
RW4-4	128.000	360314.292	5786736.409	48.991	98°53'00.00"

ALIGNMENT RW5 - CONCRETE SLEEPER

POINT NO	CHAINAGE	EASTING	NORTHING	RL	BEARING
RW5-1	0.000	360250.916	5786654.716	45.771	98°53'00.00"
RW5-2	50.000	360300.316	5786646.995	45.571	98°53'00.00"

ALIGNMENT RW6 - CONCRETE SLEEPER

POINT NO	CHAINAGE	EASTING	NORTHING	RL	BEARING
RW6-1	0.000	360364.366	5786629.393	44.797	278°53'00.00"
RW6-2	25.000	360339.666	5786633.253	44.997	
RW6-3	123.500	360354.877	5786730.572	47.797	8°53'00.00"



DATUM41.00

DESIGN CENTRELINE	47.093	47.093	46.893	46.893	46.693	46.693	46.493	46.493	46.293	46.293	46.093	46.093	45.893	45.893	45.793	45.693	45.693	45.493	45.493	45.293	45.293	45.093	45.093	45.093
TOP OF WALL	47.893	47.893	47.693	47.693	47.493	47.493	47.493	47.293	47.293	47.293	47.093	47.093	47.093	46.893	46.893	46.893	46.893	46.693	46.693	46.493	46.493	46.293	45.893	45.693
WALL HEIGHT	0.80	0.80	0.80	0.80	0.80	0.80	1.00	0.80	1.00	1.00	1.00	1.00	1.20	1.00	1.10	1.20	1.20	1.20	1.20	1.20	1.20	1.20	0.80	0.60
HIGH SIDE INTERFACE	47.698	47.6	47.6	47.404	47.404	47.306	47.306	47.11	47.11	47.013	47.012	46.915	46.915	46.719	46.719	46.719	46.621	46.621	46.425	46.425	46.23	46.229	45.74	45.423
LOW SIDE INTERFACE	47.48	47.338	47.337	47.042	47.042	46.894	46.894	46.598	46.598	46.451	46.45	46.303	46.303	46.007	46.007	46.007	45.859	45.859	45.594	45.594	45.407	45.407	45.225	45.193
EXISTING SURFACE	47.7	47.6	47.6	47.4	47.4	47.31	47.31	47.11	47.11	47.01	47.01	46.91	46.91	46.72	46.72	46.72	46.62	46.62	46.43	46.43	46.23	46.23	45.74	45.42
CHAINAGE	0	1.999	2.001	5.999	6.001	7.999	8.001	11.999	12.001	13.999	14.001	15.999	16.001	19.999	20	20.001	21.999	22.001	25.999	26.001	29.999	30.001	40	46.505

LONGITUDINAL SECTION - RW1 (CONCRETE SLEEPER)

HORIZ 1 in 250
VERT 1 in 50

REFER DWG 01177-04-138 FOR LONGITUDINAL SECTION OF RW2, RW3, RW5

REFER DWG 01177-04-139 FOR LONGITUDINAL SECTION OF RW4

REFER DWG 01177-04-140 FOR LONGITUDINAL SECTION OF RW6

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WARNING

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SCALE 1:250 AT A1 SIZE
SCALE 1:500 AT A3 SIZE
HORIZ 0 2.5 5 10 15 20
VERT 0 0.5 1 2 3 4
SCALE 1:50 AT A1 SIZE
SCALE 1:100 AT A3 SIZE

0 5 10 20 30 40
SCALE 1:500 AT A1 SIZE
SCALE 1:1000 AT A3 SIZE

PRELIMINARY
NOT FOR CONSTRUCTION

VER	DATE	REVISION	APPD.
A	18/09/2020	PRELIMINARY ISSUE	LOD

LEGEND

RETAINING WALL SETOUT POINT ○ (RW1-1)
PROPOSED CONCRETE SLEEPER RETAINING WALL
PROPOSED MASS ROCK RETAINING WALL

Coords: MGA Levels: AHD

TAYLORS
Urban Development | Infrastructure
8 / 270 Ferntree Gully Road, Notting Hill, Victoria, 3168
Tel: 61 3 9501 2800 | Web: taylorsds.com.au

DESIGNED:	LOD	AUTHORISED:	JOY	DRAFTED:	WGO
CHECKED:	ADK	AUTH. DATE:	18/09/2020	CAD REF:	01177-04-E-137-140

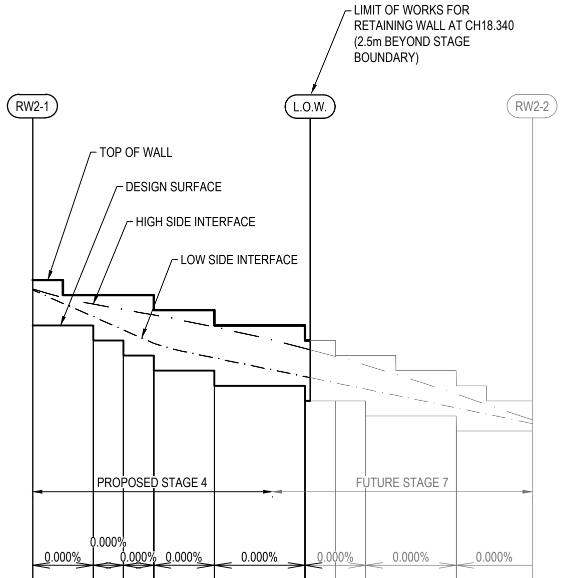
CARDINIA SHIRE COUNCIL

415 PRINCES HIGHWAY, OFFICER VIC 3809
HILLSTOWE ESTATE, STAGE 4

RETAINING WALL SETOUT DETAIL
SHEET 1 OF 4

SCALE	AS SHOWN @ A1
VERSION	A
SHEET	38 OF 53
DRAWING No.	01177-04-E-137

REFER DWG 01177-04-E-137 FOR SETOUT OF ALIGNMENTS RW2, RW3, RW5



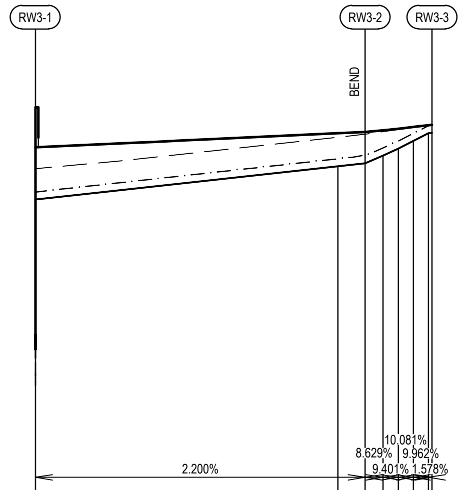
DESIGN GRADELINE
VERTICAL GEOMETRY
HORIZONTAL GEOMETRY

DATUM39.00

	TP	VIP R.L. 44.478		VIP R.L. 44.278		VIP R.L. 44.078		VIP R.L. 43.878		VIP R.L. 43.678			VIP R.L. 43.478		VIP R.L. 43.278		
DESIGN CENTRELINE	44.678	44.678	44.478	44.478	44.278	44.278	44.078	44.078	43.878	43.878	43.678	43.678	43.678	43.478	43.478	43.278	43.278
TOP OF WALL	45.278	45.078	45.078	45.078	45.078	45.078	44.878	44.878	44.678	44.678	44.478	44.378	44.278	44.278	44.078	43.878	43.678
WALL HEIGHT	0.60	0.40	0.60	0.60	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.70	0.60	0.80	0.60	0.60	0.40
HIGH SIDE INTERFACE	45.159	44.959	44.959	44.887	44.887	44.818	44.818	44.658	44.657	44.373	44.373	44.268	44.152	44.152	43.768	43.767	43.427
LOW SIDE INTERFACE	45.147	44.794	44.794	44.618	44.618	44.442	44.442	44.247	44.247	43.999	43.999	43.917	43.834	43.834	43.586	43.586	43.378
EXISTING SURFACE																	
CHAINAGE	0	3.999	4.001	5.999	6.001	7.999	8.001	11.999	12.001	17.999	18.001	20	21.999	22.001	27.999	28.001	33.025

LONGITUDINAL SECTION - RW2 (CONCRETE SLEEPER)

HORIZ 1 in 250
VERT 1 in 50



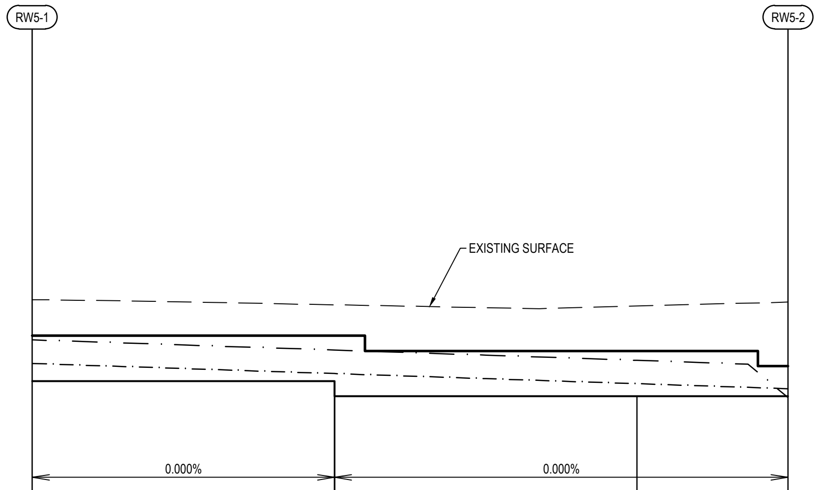
DESIGN GRADELINE
VERTICAL GEOMETRY
HORIZONTAL GEOMETRY

DATUM43.00

	TP		VIP R.L. 49.650	VIP R.L. 49.752	VIP R.L. 49.846	VIP R.L. 49.947	VIP R.L. 50.047	
DESIGN CENTRELINE	49.17	49.61	49.65	49.752	49.846	49.947	50.047	50.051
TOP OF WALL	49.862	50.047	50.064	50.085	50.108	50.131	50.154	50.159
WALL HEIGHT	0.69	0.44	0.41	0.33	0.26	0.18	0.11	0.11
HIGH SIDE INTERFACE	49.862	50.047	50.064	50.085	50.108	50.131	50.154	50.159
LOW SIDE INTERFACE	49.27	49.71	49.76	49.852	49.946	50.047	50.147	50.171
EXISTING SURFACE	49.58	50	50.04	50.07	50.1	50.12	50.15	50.16
CHAINAGE	0	20	21.818	23	24	25	26	26.243

LONGITUDINAL SECTION - RW3 (MASS ROCK)

HORIZ 1 in 250
VERT 1 in 50



DESIGN GRADELINE
VERTICAL GEOMETRY
HORIZONTAL GEOMETRY

DATUM42.00

	TP	VIP R.L. 45.571				
DESIGN CENTRELINE	45.771	45.771	45.671	45.571	45.571	45.571
TOP OF WALL	46.371	46.371	46.371	46.371	46.171	45.971
WALL HEIGHT	0.60	0.60	0.70	0.80	0.60	0.40
HIGH SIDE INTERFACE	46.317	46.183	46.183	46.183	46.046	45.554
LOW SIDE INTERFACE	46.005	45.871	45.871	45.871	45.738	45.671
EXISTING SURFACE	46.85	46.78	46.78	46.78	46.76	46.82
CHAINAGE	0	19.999	20	20.001	40	50

LONGITUDINAL SECTION - RW5 (CONCRETE SLEEPER)

HORIZ 1 in 250
VERT 1 in 50

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WARNING

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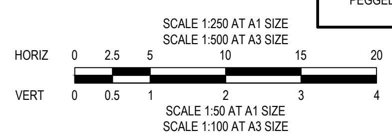


PRELIMINARY
NOT FOR CONSTRUCTION

VER	DATE	REVISION	APPD.
A	18/09/2020	PRELIMINARY ISSUE	LOD

Coords: MGA Levels: AHD

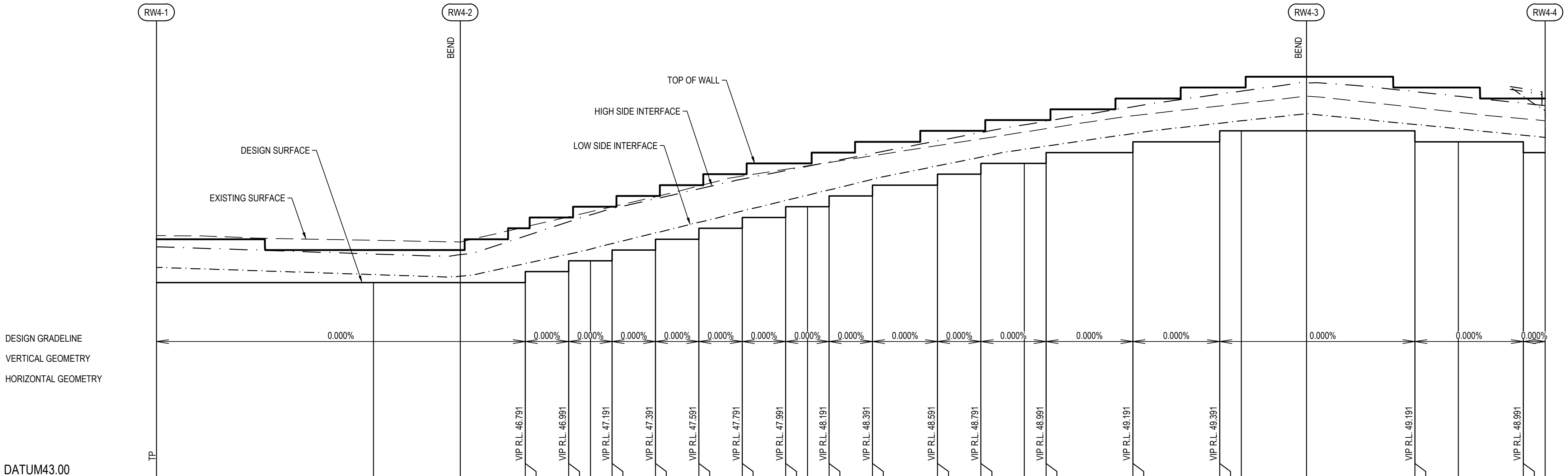
TAYLORS
Urban Development | Infrastructure
8 / 270 Ferntree Gully Road, Notting Hill, Victoria, 3168
Tel: 61 3 9501 2800 | Web: taylorsds.com.au

DESIGNED:	LOD	AUTHORISED:	JOY	DRAFTED:	WGO
CHECKED:	ADK	AUTH. DATE:	18/09/2020	CAD REF:	01177-04-E-137-140

CARDINIA SHIRE COUNCIL
415 PRINCES HIGHWAY, OFFICER VIC 3809
HILLSTOWE ESTATE, STAGE 4
RETAINING WALL SETOUT DETAIL
SHEET 2 OF 4

SCALE AS SHOWN @ A1
VERSION A
SHEET 39 OF 53
DRAWING No.
01177-04-E-138

REFER DWG 01177-04-E-137 FOR SETOUT OF ALIGNMENT RW4



DATUM43.00

CHAINAGE	DESIGN CENTRELINE	TOP OF WALL	WALL HEIGHT	HIGH SIDE INTERFACE	LOW SIDE INTERFACE	EXISTING SURFACE
0	46.591	47.391	0.80	47.251	46.871	47.46
20	46.591	47.191	0.60	47.118	46.737	47.37
28	46.591	47.191	0.60	47.106	46.707	47.340
33.999	46.591	47.591	1.00	47.449	46.941	47.62
34.001	46.791	47.591	0.80	47.449	46.941	47.62
37.999	46.791	47.791	1.00	47.713	47.115	47.8
38.001	46.991	47.791	0.80	47.713	47.115	47.8
40	46.991	47.991	1.00	47.842	47.207	47.9
41.999	46.991	47.991	1.00	47.955	47.312	47.99
42.001	47.191	47.991	0.80	47.955	47.312	47.99
45.999	47.191	48.191	1.00	48.137	47.507	48.18
46.001	47.391	48.191	0.80	48.137	47.507	48.18
49.999	47.391	48.391	1.00	48.319	47.702	48.38
50.001	47.591	48.391	0.80	48.319	47.702	48.38
53.999	47.591	48.591	1.00	48.5	47.912	48.56
54.001	47.791	48.591	0.80	48.5	47.912	48.56
57.999	47.791	48.791	1.00	48.658	48.106	48.68
58.001	47.991	48.791	0.80	48.658	48.106	48.68
60	47.991	48.791	0.80	48.737	48.203	48.74
61.999	47.991	48.991	1.00	48.817	48.3	48.81
62.001	48.191	48.991	0.80	48.817	48.3	48.81
65.999	48.191	49.191	1.00	48.975	48.498	48.93
66.001	48.391	49.191	0.80	48.975	48.498	48.93
71.999	48.391	49.391	1.00	49.206	48.745	49.12
72.001	48.591	49.391	0.80	49.206	48.745	49.12
75.999	48.591	49.391	0.80	49.36	48.907	49.24
76.001	48.791	49.391	0.60	49.36	48.907	49.24
80	48.791	49.591	0.80	49.503	49.051	49.37
81.999	48.791	49.591	0.80	49.571	49.109	49.43
82.001	48.991	49.591	0.60	49.571	49.109	49.43
89.999	48.991	49.991	1.00	49.838	49.341	49.67
90.001	49.191	49.991	0.80	49.838	49.341	49.67
97.999	49.191	50.191	1.00	50.071	49.532	49.85
98.001	49.391	50.191	0.80	50.071	49.532	49.85
100	49.391	50.191	0.80	50.126	49.577	49.9
106	49.391	50.391	1.00	50.278	49.710	50.031
115.999	49.391	50.191	0.80	50.117	49.51	49.82
116.001	49.191	50.191	1.00	50.117	49.51	49.82
120	49.191	50.191	1.00	50.03	49.43	49.73
125.999	49.191	49.991	0.80	49.901	49.31	49.61
126.001	48.991	49.991	1.00	49.901	49.31	49.61
128	48.991	49.991	1.00	49.858	49.27	49.58

LONGITUDINAL SECTION - RW4 (CONCRETE SLEEPER)

HORIZ 1 in 250
VERT 1 in 50

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SCALE 1:250 AT A1 SIZE
SCALE 1:500 AT A3 SIZE
HORIZ 0 2.5 5 10 15 20
VERT 0 0.5 1 2 3 4
SCALE 1:50 AT A1 SIZE
SCALE 1:100 AT A3 SIZE

PRELIMINARY
NOT FOR CONSTRUCTION

VER	DATE	REVISION	APPD.
A	18/09/2020	PRELIMINARY ISSUE	LOD

Coords: MGA Levels: AHD

TAYLORS
Urban Development | Infrastructure
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Tel: 61 3 9501 2800 | Web: taylorsds.com.au

DESIGNED:	LOD	AUTHORISED:	JOY	DRAFTED:	WGO
CHECKED:	ADK	AUTH. DATE:	18/09/2020	CAD REF:	01177-04-E-137-140

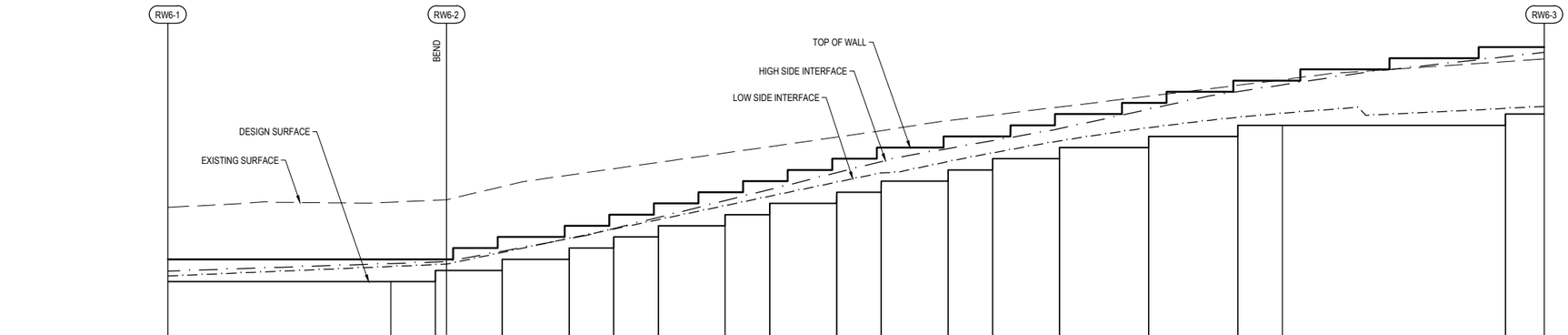
CARDINIA SHIRE COUNCIL

415 PRINCES HIGHWAY, OFFICER VIC 3809
HILLSTOWE ESTATE, STAGE 4

RETAINING WALL SETOUT DETAIL
SHEET 3 OF 4

SCALE AS SHOWN @ A1
VERSION A
SHEET 40 OF 53
DRAWING No.
01177-04-E-139

REFER DWG 01177-04-E-137 FOR SETOUT OF ALIGNMENT RW6



DATUM41.00

		TP	VIP RL: 44.997	VIP RL: 45.197	VIP RL: 45.397	VIP RL: 45.597	VIP RL: 45.797	VIP RL: 45.997	VIP RL: 46.197	VIP RL: 46.397	VIP RL: 46.597	VIP RL: 46.797	VIP RL: 46.997	VIP RL: 47.197	VIP RL: 47.397	VIP RL: 47.597	VIP RL: 47.797
DESIGN CENTRELINE	44.797	44.797	44.797	44.997	45.197	45.397	45.597	45.797	45.997	46.197	46.397	46.597	46.797	46.997	47.097	47.197	47.397	47.597	47.697	47.797	47.797
TOP OF WALL	45.197	45.197	45.197	45.197	45.197	45.597	45.597	45.797	45.997	45.997	45.997	46.197	46.397	46.397	46.397	46.597	46.797	46.797	46.997	47.097	47.197	47.397	47.597	47.597	48.397	48.397	48.397	48.997	48.997	48.997	48.997
WALL HEIGHT	0.40	0.40	0.40	0.20	0.20	0.60	0.40	0.60	0.40	0.60	0.40	0.60	0.40	0.80	0.70	0.60	0.80	0.60	0.60	0.40	0.80	0.60	0.80	0.60	1.00	0.80	0.80	1.40	1.30	1.20	1.20
HIGH SIDE INTERFACE	44.985	45.119	45.146	45.146	45.154	45.342	45.342	45.565	45.565	45.746	45.746	45.746	45.746	46.246	46.246	46.446	46.446	46.746	46.746	46.746	46.946	46.946	47.18	47.18	47.321	47.321	47.536	47.884	47.884	48.199	48.199	48.32	48.824	48.824	48.824	48.824	48.902
LOW SIDE INTERFACE	44.897	45.066	45.1	45.1	45.109	45.318	45.318	45.57	45.57	45.738	45.738	45.738	45.906	45.906	46.158	46.158	46.326	46.326	46.578	46.578	46.578	46.742	46.743	46.947	46.947	47.102	47.102	47.315	47.315	47.315	47.551	47.551	47.738	47.738	47.81	47.898	47.898	47.898	47.933
EXISTING SURFACE	46.13	46.22	46.25	46.25	46.264	46.5	46.5	46.7	46.7	46.82	46.82	46.82	46.93	46.93	47.1	47.1	47.21	47.21	47.38	47.38	47.38	47.5	47.5	47.68	47.68	47.78	47.78	47.92	47.92	47.92	48.12	48.12	48.31	48.31	48.41	48.74	48.74	48.74	48.79
CHAINAGE	0	20	23.999	24.001	25	29.999	30.001	35.999	36.001	39.999	40	40.001	43.999	44.001	49.999	50.001	53.999	54.001	59.999	60	60.001	63.999	64.001	69.999	70.001	73.999	74.001	79.999	80	80.001	87.999	88.001	95.999	96.001	100	119.999	120	120.001	123.5

LONGITUDINAL SECTION - RW6 (CONCRETE SLEEPER)

HORIZ 1 in 250
VERT 1 in 50

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SCALE 1:250 AT A1 SIZE
SCALE 1:500 AT A3 SIZE

HORIZ 0 2.5 5 10 15 20

VERT 0 0.5 1 2 3 4

SCALE 1:50 AT A1 SIZE
SCALE 1:100 AT A3 SIZE

PRELIMINARY
NOT FOR CONSTRUCTION

VER	DATE	REVISION	APPD.
A	18/09/2020	PRELIMINARY ISSUE	LOD

Coords: MGA Levels: AHD

TAYLORS
Urban Development | Infrastructure
8 / 270 Ferntree Gully Road, Notting Hill, Victoria, 3168
Tel: 61 3 9501 2800 | Web: taylorsds.com.au

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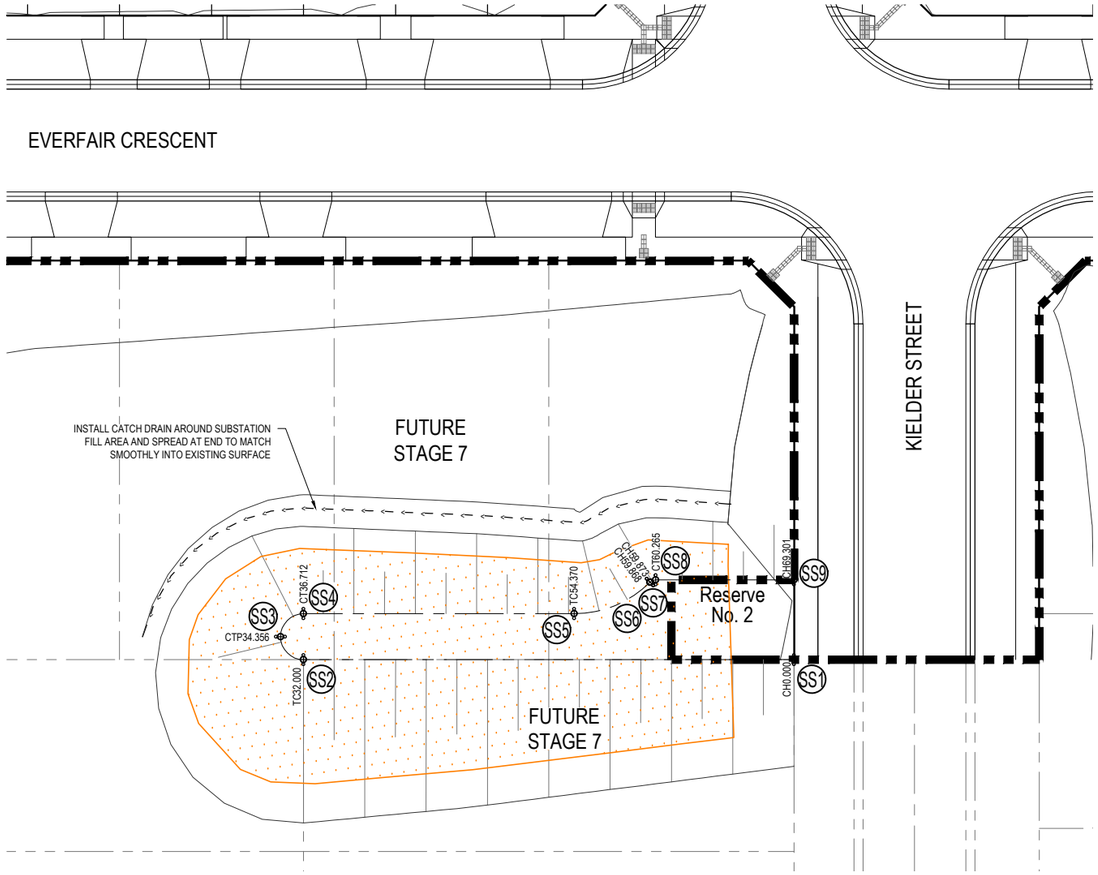
CHECKED:	ADK	AUTH. DATE:	18/09/2020
DRAFTED:	WGO	CAD REF:	01177-04-E-137-140

CARDINIA SHIRE COUNCIL

415 PRINCES HIGHWAY, OFFICER VIC 3809
HILLSTOWE ESTATE, STAGE 4

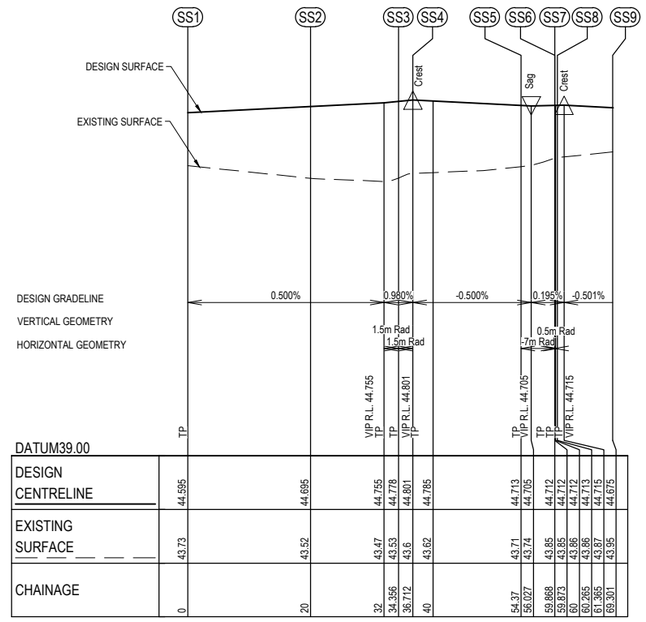
RETAINING WALL SETOUT DETAIL
SHEET 4 OF 4

SCALE	AS SHOWN @ A1
VERSION	A
SHEET	41 OF 53
DRAWING No.	01177-04-E-140



SUBSTATION CENTRELINE SETOUT PLAN

SCALE 1:200 @ A1



LONGITUDINAL SECTION - SUBSTATION FILL

TOP OF FILL IN FUTURE LOT OFF KIELDER STREET

HORIZ 1 in 500
VERT 1 in 50

ALIGNMENT SS									
POINT NO	EASTING	NORTHING	RL						
SS1	360298.683	5786571.787	44.595						
SS2	360267.067	5786576.728	44.755						
SS3	360265.816	5786578.442	44.778						
SS4	360267.530	5786579.693	44.801						
SS5	360284.976	5786576.966	44.713						
SS6	360290.183	5786578.227	44.712						
SS7	360290.187	5786578.230	44.712						
SS8	360290.559	5786578.320	44.713						
SS9	360299.486	5786576.925	44.675						
CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
SS2 - SS3	90	1.5	2.356	0.439	0.325	0.574	0.487	0.589	44.766
SS3 - SS4	90	1.5	2.356	0.439	0.325	0.574	0.487	0.589	44.790
SS5 - SS6	45	7	5.498	0.533	0.398	1.366	1.313	1.374	44.707
SS7 - SS8	45	0.5	0.393	0.038	0.028	0.098	0.094	0.098	44.712

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SCALE 1:500 AT A1 SIZE
SCALE 1:1000 AT A3 SIZE
HORIZ 0 5 10 20 30 40
VERT 0 0.5 1 2 3 4
SCALE 1:50 AT A1 SIZE
SCALE 1:100 AT A3 SIZE

0 2 4 8 12 16
SCALE 1:200 AT A1 SIZE
SCALE 1:400 AT A3 SIZE

PRELIMINARY
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VER	DATE	REVISION	APPD.
A	18/09/2020	PRELIMINARY ISSUE	LOD

CENTRE LINE SETOUT POINT (H3)
PROPOSED OPEN CATCH DRAIN
FILLING DEEPER THAN 300mm

LEGEND

Coords: MGA Levels: AHD

TAYLORS
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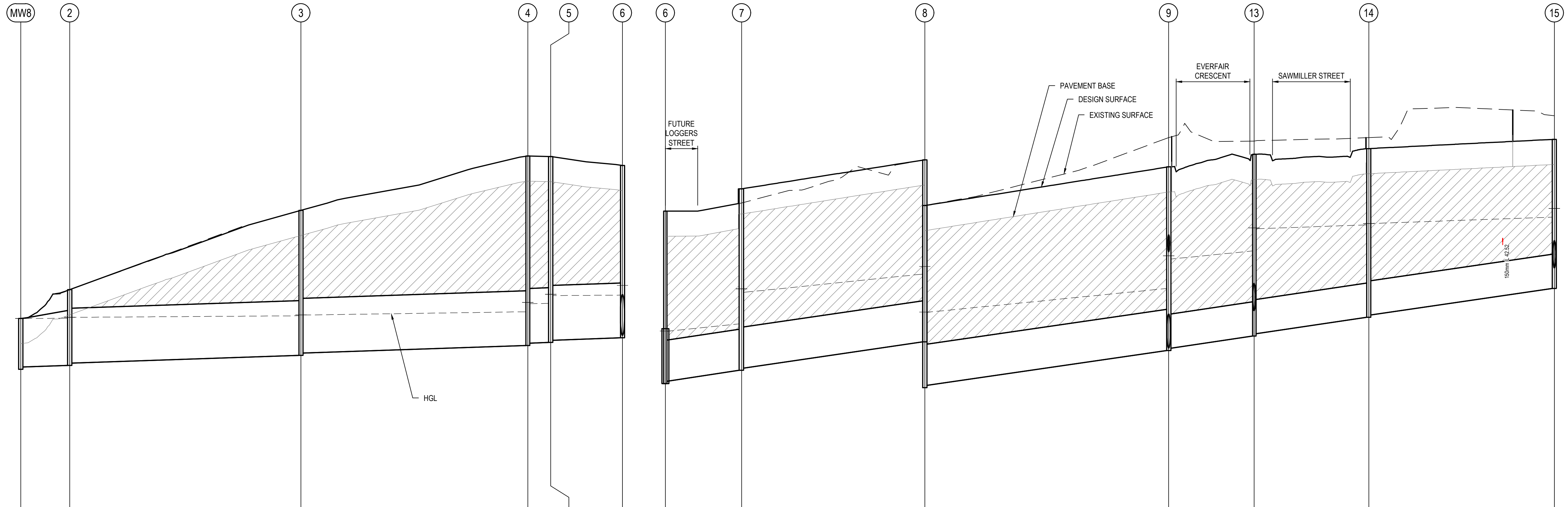
CHECKED:	ADK	AUTH. DATE:	18/09/2020	CAD REF:	01177-04-E-141

CARDINIA SHIRE COUNCIL

415 PRINCES HIGHWAY, OFFICER VIC 3809
HILLSTOWE ESTATE, STAGE 4

SUBSTATION SETOUT DETAIL

SCALE	AS SHOWN @ A1
VERSION	A
SHEET	42 OF 53
DRAWING No.	01177-04-E-141



	MW8		2		3		4		5		6
VELOCITY (m/s)		2.218		2.232		2.247		2.248		2.253	
PIPE GRADE (1 in _)		300		300		300		300		300	
PIPE FLOW (m3/s)		2.218		2.273		2.330		2.336		2.355	
PIPE CAPACITY (m3/s)		4.090		3.843		3.843		3.843		3.843	
PIPE SIZE (mm)		1500x1200		1500x1200		1500x1200		1500x1200		1500x1200	
DATUM	33										
DEPTH TO INVERT	1.112 / 1.062		1.657 / 1.607		3.174 / 3.124		4.147 / 4.097		4.071 / 4.021		3.773
HYDRAULIC GRADE LINE	38.912		38.917 / 38.937		38.971 / 38.988		39.059 / 39.264 39.237		39.242 / 39.442 39.413		39.424 / 39.639
INVERT LEVEL	37.800 / 37.850		37.886 / 37.936		38.105 / 38.155		38.320 / 38.370		38.387 / 38.437		38.489
DESIGN SURFACE	38.912		39.543		41.279		42.467		42.458		42.262
EXISTING SURFACE	38.91		39.55		41.28		42.47		42.46		42.26
CHAINAGE	-251.532	10.715	-240.817	50.605	-190.212	49.629	-140.583	5.020	-135.563	15.695	-119.868

	6		7		8		9		13		14		15
VELOCITY (m/s)		3.803		3.808		3.801		3.353		2.994		2.997	
PIPE GRADE (1 in _)		70		70		70		70		70		70	
PIPE FLOW (m3/s)		1.796		1.811		1.790		1.077		0.650		0.652	
PIPE CAPACITY (m3/s)		2.165		2.165		2.165		1.331		1.331		1.331	
PIPE SIZE (mm)		900		900		900		750		750		750	
DATUM	34				35								
DEPTH TO INVERT	3.773 / 3.723		3.972 / 3.922		3.985 / 3.935		4.018 / 3.968		3.976 / 3.926		3.693 / 3.643		3.266 / 3.216
HYDRAULIC GRADE LINE	39.424 / 39.639 39.632		39.796 / 40.561 40.483		40.884 / 41.052 41.048		41.569 / 42.284 42.214		42.389 / 42.894 42.876		42.962 / 42.991		43.130 / 43.324 43.302
INVERT LEVEL	38.489 / 38.539		38.777 / 38.827		39.400 / 39.450		40.212 / 40.262		40.529 / 40.579		40.938 / 40.988		41.568 / 41.618
DESIGN SURFACE	42.262		42.750		43.385		44.230		44.505		44.631		44.834
EXISTING SURFACE	42.26		42.44		43.39		44.87		44.8		44.87		45.35
CHAINAGE	-358.404	16.673	-341.731	40.104	-301.627	53.350	-248.277	18.680	-229.597	25.100	-204.497	40.600	-163.897

NOTES

1. PIPE CLASS TO BE CLASS 2 UNLESS NOTED OTHERWISE.
2. STRUCTURAL FILL USED ONLY WHEN EXISTING SURFACE IS BELOW FOOTPATH.

WARNING

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SCALE 1:500 AT A1 SIZE
SCALE 1:1000 AT A3 SIZE
HORIZ 0 5 10 20 30 40
VERT 0 0.5 1 2 3 4
SCALE 1:50 AT A1 SIZE
SCALE 1:100 AT A3 SIZE

PRELIMINARY
NOT FOR CONSTRUCTION

VER	DATE	REVISION	APPD.
A	18/09/2020	PRELIMINARY ISSUE	LOD

LEGEND

DENOTES 20mm CLASS 2 FCR BACKFILL

Coords: MGA Levels: AHD

TAYLORS
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Tel: 61 3 9501 2800 | Web: taylorsds.com.au

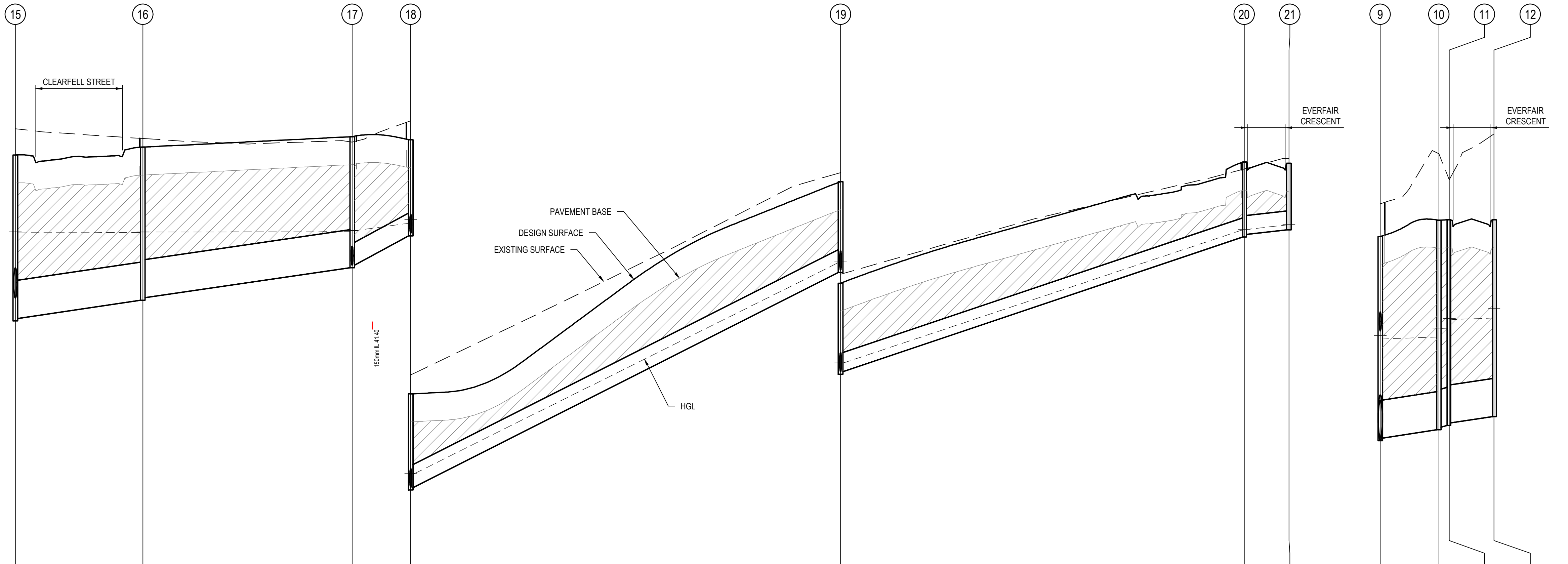
DESIGNED:	LOD	AUTHORISED:	JOY	DRAFTED:	WGO
CHECKED:	ADK	AUTH. DATE:	18/09/2020	CAD REF:	01177-04-E-142-147

CARDINIA SHIRE COUNCIL

415 PRINCES HIGHWAY, OFFICER VIC 3809
HILLSTOWE ESTATE, STAGE 4

DRAINAGE LONGITUDINAL SECTIONS
SHEET 1 OF 6

SCALE	1:500 H, 1:50 V @ A1
VERSION	A
SHEET	43 OF 53
DRAWING No.	01177-04-E-142



	15–16	16–17	17–18	18–19	19–20	20–21	9–10	10–11	11–12
VELOCITY (m/s)	2.145	2.090	3.114	2.721	1.920	1.049	2.967	3.121	2.951
PIPE GRADE (1 in _)	70	70	20	20	30	100	70	60	70
PIPE FLOW (m3/s)	0.193	0.176	0.125	0.078	0.036	0.020	0.627	0.610	0.613
PIPE CAPACITY (m3/s)	1.331	1.331	0.638	0.638	0.320	0.175	1.331	1.438	1.331
PIPE SIZE (mm)	750	750	450	450	375	375	750	750	750

	15	16	17	18	19	20	21	9	10	11	12
DATUM	35			40	42			36			
DEPTH TO INVERT	3.266 / 3.216	3.012 / 2.962	2.579 / 2.529	1.891 / 1.841	1.788 / 1.738	1.478 / 1.428	1.315	4.018 / 3.968	4.123 / 4.073	4.050 / 4.000	3.874 / 3.824
HYDRAULIC GRADE LINE	43.130 / 43.324 / 43.302	43.310 / 43.316	43.325 / 43.345 / 43.344	43.489 / 43.566 / 43.551	47.715 / 47.745 / 47.738	50.357 / 50.371 / 50.369	50.458 / 50.469	41.569 / 42.284 / 42.214	42.250 / 42.430 / 42.420	42.426 / 42.619 / 42.597	42.623 / 42.819 / 42.794
INVERT LEVEL	41.568 / 41.618	41.976 / 42.026	42.615 / 42.665	43.241 / 43.291	47.522 / 47.572	50.220 / 50.270	50.358	40.212 / 40.262	40.427 / 40.477	40.511 / 40.561	40.687 / 40.737
DESIGN SURFACE	44.834	44.988	45.194	45.133	49.310	51.698	51.673	44.230	44.551	44.561	44.561
EXISTING SURFACE	45.35	45.16	45.09	45.51	49.49	51.56	51.77	44.87	45.86	45.34	46.25
CHAINAGE	-163.897	-138.797	-97.597	-86.071	-1.463	77.987	86.788	-358.404	-346.878	-344.828	-336.028
CHAINAGE (length to next)	25.100	41.200	11.526	84.608	79.450	8.802		11.526	2.050	8.800	

NOTES

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SCALE 1:500 AT A1 SIZE
SCALE 1:1000 AT A3 SIZE
HORIZ 0 5 10 20 30 40
VERT 0 0.5 1 2 3 4
SCALE 1:50 AT A1 SIZE
SCALE 1:100 AT A3 SIZE

PRELIMINARY
NOT FOR CONSTRUCTION

VER	DATE	REVISION	APPD.
A	18/09/2020	PRELIMINARY ISSUE	LOD

LEGEND

DENOTES 20mm CLASS 2 FCR BACKFILL

Coords: MGA Levels: AHD

TAYLORS
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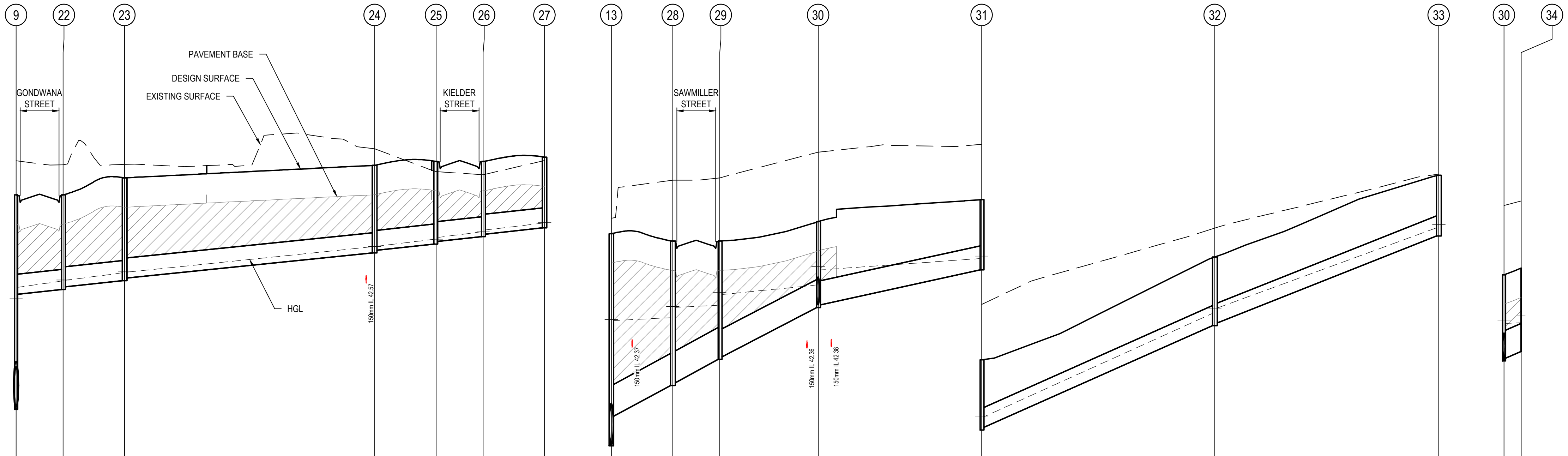
CHECKED:	ADK	AUTH. DATE:	18/09/2020	CAD REF:	01177-04-E-142-147

CARDINIA SHIRE COUNCIL

415 PRINCES HIGHWAY, OFFICER VIC 3809
HILLSTOWE ESTATE, STAGE 4

DRAINAGE LONGITUDINAL SECTIONS
SHEET 2 OF 6

SCALE 1:500 H, 1:50 V @ A1
VERSION A
SHEET 44 OF 53
DRAWING No.
01177-04-E-143



DATUM 35

Pipe	9–22	22–23	23–24	24–25	25–26	26–27
VELOCITY (m/s)	1.333	1.290	1.150	0.986	0.988	0.990
PIPE GRADE (1 in _)	100	100	100	100	100	100
PIPE FLOW (m3/s)	0.046	0.040	0.027	0.016	0.016	0.016
PIPE CAPACITY (m3/s)	0.175	0.175	0.175	0.175	0.175	0.175
PIPE SIZE (mm)	375	375	375	375	375	375

Pit	9	22	23	24	25	26	27
DEPTH TO INVERT	4.018 / 1.859	1.771 / 1.721	1.926 / 1.876	1.641 / 1.591	1.550 / 1.500	1.412 / 1.362	1.327
HYDRAULIC GRADE LINE	41.569 / 42.284 42.502	42.614 / 42.635 42.632	42.770 / 42.787 42.782	43.261 / 43.269 43.270	43.398 / 43.401 43.436	43.537 / 43.539 43.574	43.702 / 43.713
INVERT LEVEL	40.212 / 42.372	42.460 / 42.510	42.625 / 42.675	43.144 / 43.194	43.309 / 43.359	43.447 / 43.497	43.612
DESIGN SURFACE	44.230	44.230	44.551	44.785	44.859	44.859	44.940
EXISTING SURFACE	44.87	44.79	44.8	45.09	44.67	44.61	44.87
CHAINAGE	0.000	8.800	20.326	67.226	78.752	87.552	99.078
Length	8.800	11.526	46.900	11.526	8.800	11.526	

DATUM 36 (39 at pit 31)

Pipe	13–28	28–29	29–30	30–31	31–32	32–33
VELOCITY (m/s)	4.277	4.220	4.199	2.117	2.799	2.150
PIPE GRADE (1 in _)	20	20	20	46.91	22.93	25.73
PIPE FLOW (m3/s)	0.423	0.403	0.386	0.094	0.097	0.044
PIPE CAPACITY (m3/s)	1.374	1.374	0.962	0.416	0.366	0.346
PIPE SIZE (mm)	600	600	525	450	375	375

Pit	13	28	29	30	31	32	33
DEPTH TO INVERT	3.976 / 3.423	2.708 / 2.658	2.218 / 2.168	1.613 / 1.563	1.317 / 1.267	1.289 / 1.239	1.137
HYDRAULIC GRADE LINE	42.389 / 42.894 42.876	42.931 / 43.140 43.123	43.161 / 43.409 43.364	43.541 / 43.887 43.825	44.038 / 44.086 44.075	46.009 / 46.110	47.615 / 47.672
INVERT LEVEL	40.529 / 41.082	41.659 / 41.709	42.149 / 42.199	43.121 / 43.171	43.825 / 43.875	45.781 / 45.831	47.463
DESIGN SURFACE	44.505	44.367	44.367	44.734	45.142	47.070	48.600
EXISTING SURFACE	44.8	45.51	45.55	46.03	46.18	47.61	48.62
CHAINAGE	0.000	11.526	20.326	38.784	69.434	113.134	155.134
Length	11.526	8.800	18.458	30.650	43.700	42.000	

DATUM 37

Pipe	30–34
VELOCITY (m/s)	3.419
PIPE GRADE (1 in _)	25
PIPE FLOW (m3/s)	0.244
PIPE CAPACITY (m3/s)	0.860
PIPE SIZE (mm)	525

Pit	30	34
DEPTH TO INVERT	1.613 / 1.563	1.561
HYDRAULIC GRADE LINE	43.541 / 43.887 43.825	43.835 / 43.965
INVERT LEVEL	43.121 / 43.171	43.299
DESIGN SURFACE	44.734	44.860
EXISTING SURFACE	46.03	46.12
CHAINAGE	0.000	3.200
Length	3.200	

NOTES

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SCALE 1:500 AT A1 SIZE
SCALE 1:1000 AT A3 SIZE
HORIZ 0 5 10 20 30 40
VERT 0 0.5 1 2 3 4
SCALE 1:50 AT A1 SIZE
SCALE 1:100 AT A3 SIZE

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VER	DATE	REVISION	APPD.
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LEGEND

DENOTES 20mm CLASS 2 FCR BACKFILL

Coords: MGA Levels: AHD

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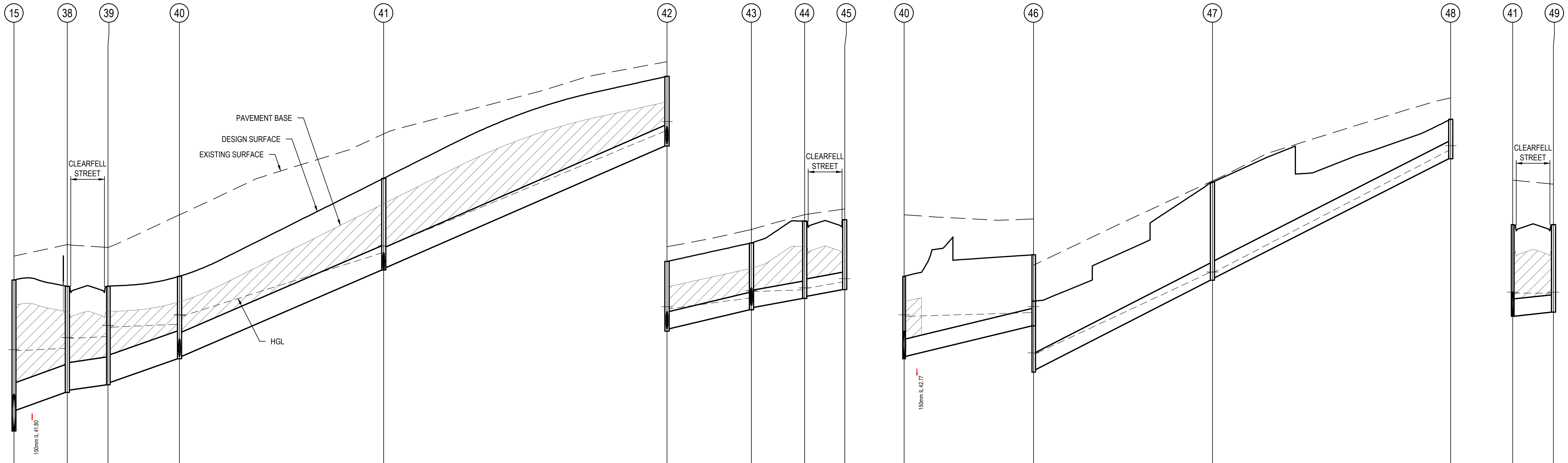
CARDINIA SHIRE COUNCIL

415 PRINCES HIGHWAY, OFFICER VIC 3809
HILLSTOWE ESTATE, STAGE 4

DRAINAGE LONGITUDINAL SECTIONS
SHEET 3 OF 6

SCALE	1:500 H, 1:50 V @ A1
VERSION	A
SHEET	45 OF 53
DRAWING No.	01177-04-E-144



Pipe (pit to pit)	VELOCITY (m/s)	PIPE GRADE (1 in _)	PIPE FLOW (m3/s)	PIPE CAPACITY (m3/s)	PIPE SIZE (mm)
15–38	3.681	30	0.421	1.122	600
38–39	2.573	76.37	0.405	0.703	600
39–40	3.609	30	0.391	1.122	600
40–41	3.666	23.66	0.292	0.885	525
41–42	3.402	23.31	0.211	0.591	450
42–43	2.319	44.07	0.117	0.264	375
43–44	1.777	60	0.066	0.226	375
44–45	1.647	60	0.050	0.226	375
40–46	2.305	42.41	0.108	0.269	375
46–47	2.542	20	0.058	0.392	375
47–48	2.565	20	0.060	0.392	375
41–49	1.127	100	0.025	0.175	375

Pit	DATUM	DEPTH TO INVERT	HYDRAULIC GRADE LINE	INVERT LEVEL	DESIGN SURFACE	EXISTING SURFACE	CHAINAGE	Length to next pit
15	38	3.266 / 2.816	43.130 / 43.324 43.302	41.568 / 42.018	44.834	45.35	0.000	11.526
38		2.296 / 2.246	43.356 / 43.586 43.569	42.402 / 42.452	44.698	45.6	11.526	8.800
39		2.131 / 2.081	43.608 / 43.851 43.813	42.567 / 42.617	44.698	45.53	20.326	15.458
40		1.780 / 1.730	43.876 / 44.080 44.046	43.133 / 43.183	44.913	46.24	35.784	44.150
41		1.982 / 1.932	45.415 / 45.568 45.548	45.049 / 45.099	47.030	47.99	79.934	61.250
42	42	1.507 / 1.457	48.049 / 48.255 48.211	47.726 / 47.776	49.232	49.55	141.184	18.250
43		1.444 / 1.394	48.442 / 48.598 48.582	48.190 / 48.240	49.634	49.92	159.434	11.526
44		1.673 / 1.623	48.619 / 48.664 48.654	48.432 / 48.482	50.105	50.24	170.960	8.650
45		1.509	48.788 / 48.862	48.626	50.135	50.37	179.610	
40	38	1.780 / 1.730	43.876 / 44.080 44.046	43.133 / 43.183	44.913	46.24	0.000	27.950
46	39	1.535 / 1.485	44.128 / 44.258 44.240	43.842 / 43.892	45.376	46.15	27.950	38.700
47		2.119 / 2.069	46.001 / 46.004	45.827 / 45.877	47.945	47.98	66.650	51.500
48		0.856	48.629 / 48.734	48.452	49.308	49.77	118.150	
41	39	1.982 / 1.981	45.415 / 45.568 45.548	45.049 / 45.049	47.030	47.99	0.000	8.800
49		1.893	45.550 / 45.569	45.137	47.030	47.9	8.800	

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NOTES

1. PIPE CLASS TO BE CLASS 2 UNLESS NOTED OTHERWISE.
2. STRUCTURAL FILL USED ONLY WHEN EXISTING SURFACE IS BELOW FOOTPATH.

WARNING

BEWARE OF UNDERGROUND SERVICES

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SCALE 1:500 AT A1 SIZE
SCALE 1:1000 AT A3 SIZE
HORIZ 0 5 10 20 30 40
VERT 0 0.5 1 2 3 4
SCALE 1:50 AT A1 SIZE
SCALE 1:100 AT A3 SIZE

PRELIMINARY
NOT FOR CONSTRUCTION

VER	DATE	REVISION	APPD.
A	18/09/2020	PRELIMINARY ISSUE	LOD

LEGEND

DENOTES 20mm CLASS 2 FCR BACKFILL

Coords: MGA Levels: AHD

Urban Development | Infrastructure
8 / 270 Ferntree Gully Road, Notting Hill, Victoria, 3168
Tel: 61 3 9501 2800 | Web: taylorsds.com.au

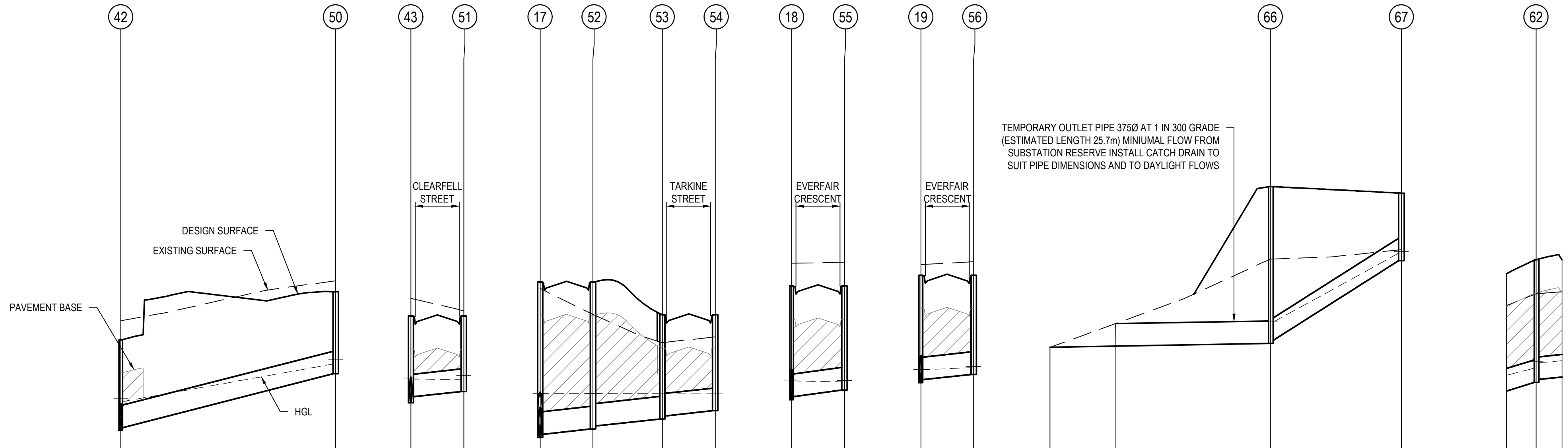
DESIGNED:	LOD	AUTHORISED:	JOY	DRAFTED:	WGO
CHECKED:	ADK	AUTH. DATE:	18/09/2020	CAD REF:	01177-04-E-142-147

CARDINIA SHIRE COUNCIL

415 PRINCES HIGHWAY, OFFICER VIC 3809
HILLSTOWE ESTATE, STAGE 4

DRAINAGE LONGITUDINAL SECTIONS
SHEET 4 OF 6

SCALE	1:500 H, 1:50 V @ A1
VERSION	A
SHEET	46 OF 53
DRAWING No.	01177-04-E-145



Pit 42 – Pit 50

		42		50	
VELOCITY (m/s)			1.903		
PIPE GRADE (1 in _)			40		
PIPE FLOW (m3/s)			0.050		
PIPE CAPACITY (m3/s)			0.277		
PIPE SIZE (mm)			375		
DATUM		42			
DEPTH TO INVERT	1.507	1.457		1.362	
HYDRAULIC GRADE LINE	48.049	48.255 48.211		48.831	48.905
INVERT LEVEL	47.726	47.776		48.670	
DESIGN SURFACE		49.232			50.032
EXISTING SURFACE		49.55			50.22
CHAINAGE		0.000	35.750		35.750

Pit 43 – Pit 51

		43		51	
VELOCITY (m/s)			1.347		
PIPE GRADE (1 in _)			100		
PIPE FLOW (m3/s)			0.047		
PIPE CAPACITY (m3/s)			0.175		
PIPE SIZE (mm)			375		
DATUM		42			
DEPTH TO INVERT	1.444	1.346		1.258	
HYDRAULIC GRADE LINE	48.442	48.598 48.582		48.575	48.640
INVERT LEVEL	48.190	48.288		48.376	
DESIGN SURFACE		49.634			49.634
EXISTING SURFACE		49.92			49.72
CHAINAGE		0.000	8.800		8.800

Pit 17 – Pit 52 – Pit 53 – Pit 54

		17		52		53		54
VELOCITY (m/s)			0.958		0.905		0.849	
PIPE GRADE (1 in _)			100		100		100	
PIPE FLOW (m3/s)			0.014		0.012		0.010	
PIPE CAPACITY (m3/s)			0.175		0.175		0.175	
PIPE SIZE (mm)			375		375		375	
DATUM		37						
DEPTH TO INVERT	2.579	2.529		2.441 2.391		1.733 1.683		1.595
HYDRAULIC GRADE LINE	43.325	43.345 43.344		43.345 43.347		43.347 43.349		43.348 43.351
INVERT LEVEL	42.615	42.665		42.753 42.803		42.918 42.968		43.056
DESIGN SURFACE		45.194		45.194		44.651		44.651
EXISTING SURFACE		45.09		44.66		44.19		44.28
CHAINAGE		0.000	8.800	8.800	11.526	20.326	8.800	29.126

Pit 18 – Pit 55

		18		55	
VELOCITY (m/s)			1.242		
PIPE GRADE (1 in _)			80		
PIPE FLOW (m3/s)			0.027		
PIPE CAPACITY (m3/s)			0.196		
PIPE SIZE (mm)			375		
DATUM		37			
DEPTH TO INVERT	1.891	1.841		1.731	
HYDRAULIC GRADE LINE	43.489	43.566 43.551		43.536	43.557
INVERT LEVEL	43.241	43.291		43.401	
DESIGN SURFACE		45.133			45.133
EXISTING SURFACE		45.51			45.52
CHAINAGE		0.000	8.806		8.806

Pit 19 – Pit 56

		19		56	
VELOCITY (m/s)			1.127		
PIPE GRADE (1 in _)			100		
PIPE FLOW (m3/s)			0.025		
PIPE CAPACITY (m3/s)			0.175		
PIPE SIZE (mm)			375		
DATUM		41			
DEPTH TO INVERT	1.788	1.738		1.650	
HYDRAULIC GRADE LINE	47.715	47.745 47.738		47.773	47.791
INVERT LEVEL	47.522	47.572		47.660	
DESIGN SURFACE		49.310			49.310
EXISTING SURFACE		49.49			49.53
CHAINAGE		0.000	8.800		8.800

Pit 66 – Pit 67

			66		67	
VELOCITY (m/s)				2.275		
PIPE GRADE (1 in _)				16.45		
PIPE FLOW (m3/s)				0.031		
PIPE CAPACITY (m3/s)				0.433		
PIPE SIZE (mm)				375		
DATUM	35					
DEPTH TO INVERT		2.609	2.559		1.123	
HYDRAULIC GRADE LINE		42.417	42.548 42.529		43.676	43.704
INVERT LEVEL		42.174	42.224		43.549	
DESIGN SURFACE			44.783			44.672
EXISTING SURFACE			43.57			43.73
CHAINAGE		25.700	-307.704	21.800		-285.904

Pit 62

			62	
VELOCITY (m/s)	2.471			1.380
PIPE GRADE (1 in _)	33.08			100
PIPE FLOW (m3/s)	0.100			0.052
PIPE CAPACITY (m3/s)	0.305			0.175
PIPE SIZE (mm)	375			375
DATUM		36		
DEPTH TO INVERT		2.040	1.990	
HYDRAULIC GRADE LINE		42.759	42.870 42.854	
INVERT LEVEL		42.527	42.577	
DESIGN SURFACE			44.567	
EXISTING SURFACE			44	
CHAINAGE			4.900	
		4.900	4.300	

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SCALE 1:1000 AT A3 SIZE
HORIZ 0 5 10 20 30 40
VERT 0 0.5 1 2 3 4
SCALE 1:50 AT A1 SIZE
SCALE 1:100 AT A3 SIZE

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A	18/09/2020	PRELIMINARY ISSUE	LOD

LEGEND

DENOTES 20mm CLASS 2 FCR BACKFILL

Coords: MGA Levels: AHD

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CHECKED:	ADK	AUTH. DATE:	18/09/2020	CAD REF:	01177-04-E-142-147

CARDINIA SHIRE COUNCIL

415 PRINCES HIGHWAY, OFFICER VIC 3809
HILLSTOWE ESTATE, STAGE 4

DRAINAGE LONGITUDINAL SECTIONS
SHEET 5 OF 6

SCALE 1:500 H, 1:50 V @ A1
VERSION A
SHEET 47 OF 53
DRAWING No.
01177-04-E-146

NOTE : TIMBERTOP BOULEVARD DRAINAGE DESIGN IS YET TO BE FINALISED

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SCALE 1:500 AT A1 SIZE
SCALE 1:1000 AT A3 SIZE

HORIZ 0 5 10 20 30 40

VERT 0 0.5 1 2 3 4

SCALE 1:50 AT A1 SIZE
SCALE 1:100 AT A3 SIZE

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LEGEND

DENOTES 20mm CLASS 2 FCR BACKFILL

Coords: MGA Levels: AHD

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CARDINIA SHIRE COUNCIL

415 PRINCES HIGHWAY, OFFICER VIC 3809
HILLSTOWE ESTATE, STAGE 4

DRAINAGE LONGITUDINAL SECTIONS
SHEET 6 OF 6

SCALE	1:500 H, 1:50 V @ A1
VERSION	A
SHEET	48 OF 53
DRAWING No.	01177-04-E-147

PIT SCHEDULE

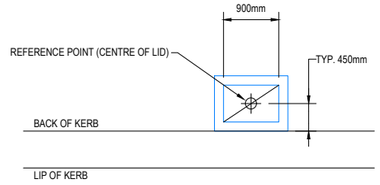
PIT				INTERNAL		INLET		OUTLET		PIT		REMARKS
NAME	TYPE	EASTING	NORTHING	WD	LEN	DIA	INV LEV	DIA	INV LEV	SETOUT RL	DEPTH	
2	JP	360384.453	5786365.036	1500	900	1500x1200	37.936	1500x1200	37.886	39.543	1.657	
3	JP	360389.913	5786415.346	1500	900	1500x1200	38.155	1500x1200	38.105	41.279	3.174	
4	GJP	360395.268	5786464.685	1500	900	1500x1200	38.370	1500x1200	38.320	42.467	4.147	
5	GJP	360392.123	5786468.597	1500	900	1500x1200	38.437	1500x1200	38.387	42.458	4.071	
6	GJP	360376.787	5786471.935	1500	900	900	38.539	1500x1200	38.489	42.262	3.773	
7	DGSEP	360370.780	5786487.488	1200	1800	900	38.827	900	38.777	42.750	3.972	VICROADS STANDARD DRAWING SD1322 & SD1061 MODIFIED FOR PIPE BEHIND KERB ALIGNMENT. INCREASED CAPACITY TO CAPTURE MAJOR STORM EVENT FLOWS.
8	GSEP	360376.973	5786527.111	1200	900	900	39.450	900	39.400	43.385	3.985	
9	GSEP	360385.212	5786579.821	1200	1200	750	40.262	900	40.212	44.230	4.018	
						750	40.262					
						375	42.372					
10	GSEP	360394.522	5786586.615	900	900	750	40.477	750	40.427	44.551	4.123	
11	JP	360396.548	5786586.298	900	900	750	40.561	750	40.511	44.561	4.050	
12	GSEP	360397.907	5786594.993	900	900	750	40.737	750	40.687	44.561	3.874	
13	GSEP	360380.073	5786597.780	900	1200	750	40.579	750	40.529	44.505	3.976	
						600	41.082					
14	GSEP	360355.274	5786601.656	900	900	750	40.988	750	40.938	44.631	3.693	
15	GSEP	360315.161	5786607.926	900	900	750	41.618	750	41.568	44.834	3.266	
						600	42.018					
16	GSEP	360290.362	5786611.802	900	900	750	42.026	750	41.976	44.988	3.012	
17	GSEP	360249.656	5786618.164	900	900	450	42.665	750	42.615	45.194	2.579	
						375	42.665					
18	DGSEP	360242.863	5786627.475	900	900	450	43.291	450	43.241	45.133	1.891	VICROADS STANDARD DRAWING SD1322 & SD1061 MODIFIED FOR PIPE BEHIND KERB ALIGNMENT. INCREASED CAPACITY TO CAPTURE MAJOR STORM EVENT FLOWS.
						375	43.291					
19	GSEP	360255.928	5786711.068	600	900	375	47.572	450	47.522	49.310	1.788	
						375	47.572					
20	GSEP	360268.199	5786789.565	600	900	375	50.270	375	50.220	51.698	1.478	
21	GSEP	360259.503	5786790.924	600	900			375	50.358	51.673	1.315	
22	GSEP	360376.517	5786581.180	600	900	375	42.510	375	42.460	44.230	1.771	
23	GSEP	360369.723	5786590.491	600	900	375	42.675	375	42.625	44.551	1.926	
24	GSEP	360323.386	5786597.733	600	900	375	43.194	375	43.144	44.785	1.641	
25	JP	360314.075	5786590.940	600	900	375	43.359	375	43.309	44.859	1.550	
26	JP	360305.381	5786592.299	600	900	375	43.497	375	43.447	44.859	1.412	
27	GSEP	360298.587	5786601.609	600	900			375	43.612	44.940	1.327	
28	DGSEP	360373.280	5786607.091	900	900	600	41.709	600	41.659	44.367	2.708	VICROADS STANDARD DRAWING SD1322 & SD1061 MODIFIED FOR PIPE BEHIND KERB ALIGNMENT. INCREASED CAPACITY TO CAPTURE MAJOR STORM EVENT FLOWS.
29	DGSEP	360364.585	5786608.450	900	900	525	42.199	600	42.149	44.367	2.218	VICROADS STANDARD DRAWING SD1322 & SD1061 MODIFIED FOR PIPE BEHIND KERB ALIGNMENT. INCREASED CAPACITY TO CAPTURE MAJOR STORM EVENT FLOWS.
30	GSEP	360367.435	5786626.686	900	900	450	43.171	525	43.121	44.734	1.613	
						525	43.171					
31	JP	360337.153	5786631.419	600	900	375	43.875	450	43.825	45.142	1.317	
32	JP	360343.901	5786674.595	600	900	375	45.831	375	45.781	47.070	1.289	
33	JP	360350.387	5786716.091	600	900			375	47.463	48.600	1.137	
34	END PIPE	360367.930	5786629.848					525	43.299	44.860	1.561	END OF PIPE - TO BE SEALED AND CAPPED FOR FUTURE STAGE 5 WORKS
38	DGSEP	360308.368	5786617.237	900	1800	600	42.452	600	42.402	44.698	2.296	VICROADS STANDARD DRAWING SD1322 & SD1061 MODIFIED FOR PIPE BEHIND KERB ALIGNMENT. INCREASED CAPACITY TO CAPTURE MAJOR STORM EVENT FLOWS.
39	DGSEP	360299.673	5786618.596	900	1800	600	42.617	600	42.567	44.698	2.131	VICROADS STANDARD DRAWING SD1322 & SD1061 MODIFIED FOR PIPE BEHIND KERB ALIGNMENT. INCREASED CAPACITY TO CAPTURE MAJOR STORM EVENT FLOWS.
40	GSEP	360302.060	5786633.868	900	900	525	43.183	600	43.133	44.913	1.780	
						375	43.183					
41	GSEP	360308.878	5786677.488	600	900	450	45.099	525	45.049	47.030	1.982	
						375	45.049					
42	GSEP	360318.336	5786738.004	600	900	375	47.776	450	47.726	49.232	1.507	
						375	47.776					
43	GSEP	360321.155	5786756.035	600	900	375	48.240	375	48.190	49.634	1.444	
						375	48.288					
44	GSEP	360314.361	5786765.346	600	900	375	48.482	375	48.432	50.105	1.673	
45	GSEP	360315.697	5786773.892	600	900			375	48.626	50.135	1.509	
46	JP	360274.445	5786638.184	600	900	375	43.892	375	43.842	45.376	1.535	
47	JP	360280.422	5786676.420	600	900	375	45.877	375	45.827	47.945	2.119	
48	JP	360288.374	5786727.302	600	900			375	48.452	49.308	0.856	
49	GSEP	360317.572	5786676.129	600	900			375	45.137	47.030	1.893	
50	JP	360283.015	5786743.524	600	900			375	48.670	50.032	1.362	
51	GSEP	360329.849	5786754.676	600	900			375	48.376	49.634	1.258	
52	GSEP	360248.298	5786609.470	600	900	375	42.803	375	42.753	45.194	2.441	
53	GSEP	360238.987	5786602.676	600	900	375	42.968	375	42.918	44.651	1.733	
54	GSEP	360230.292	5786604.035	600	900			375	43.056	44.651	1.595	

PIT SCHEDULE

PIT				INTERNAL		INLET		OUTLET		PIT		REMARKS
NAME	TYPE	EASTING	NORTHING	WD	LEN	DIA	INV LEV	DIA	INV LEV	SETOUT RL	DEPTH	
55	GSEP	360234.162	5786628.835	600	900			375	43.401	45.133	1.731	
56	GSEP	360247.234	5786712.427	600	900			375	47.660	49.310	1.650	
62	GSEP	360311.435	5786574.045	600	900	375	42.577	375	42.527	44.567	2.040	
66	JP	360268.592	5786578.717	600	900	375	42.224	375	42.174	44.783	2.609	
67	JP	360290.131	5786575.350	600	900			375	43.549	44.672	1.123	

NOTE:

1. XY SETOUT TO PIT CENTRE
2. SETOUT LEVEL TO PIT COVER LEVEL
3. SOME SETOUT XY OR Z LEVELS HAVE SPECIAL SETOUT DATA. SEE INDIVIDUAL MANHOLE REMARKS



PIT SETOUT POINT
SCALE 1:50 @ A1

LEGEND:

JP	JUNCTION PIT
GJP	GRATED JUNCTION PIT
GSEP	GRATED SIDE ENTRY PIT
DGSEP	DOUBLE GRATED SIDE ENTRY PIT

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0 0.5 1 2 3 4

SCALE 1:50 AT A1 SIZE
SCALE 1:100 AT A3 SIZE

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CARDINIA SHIRE COUNCIL

415 PRINCES HIGHWAY, OFFICER VIC 3809
HILLSTOWE ESTATE, STAGE 4

DRAINAGE PIT SCHEDULE

SCALE	1:50 @ A1
VERSION	A
SHEET	49 OF 53
DRAWING No.	01177-04-E-148

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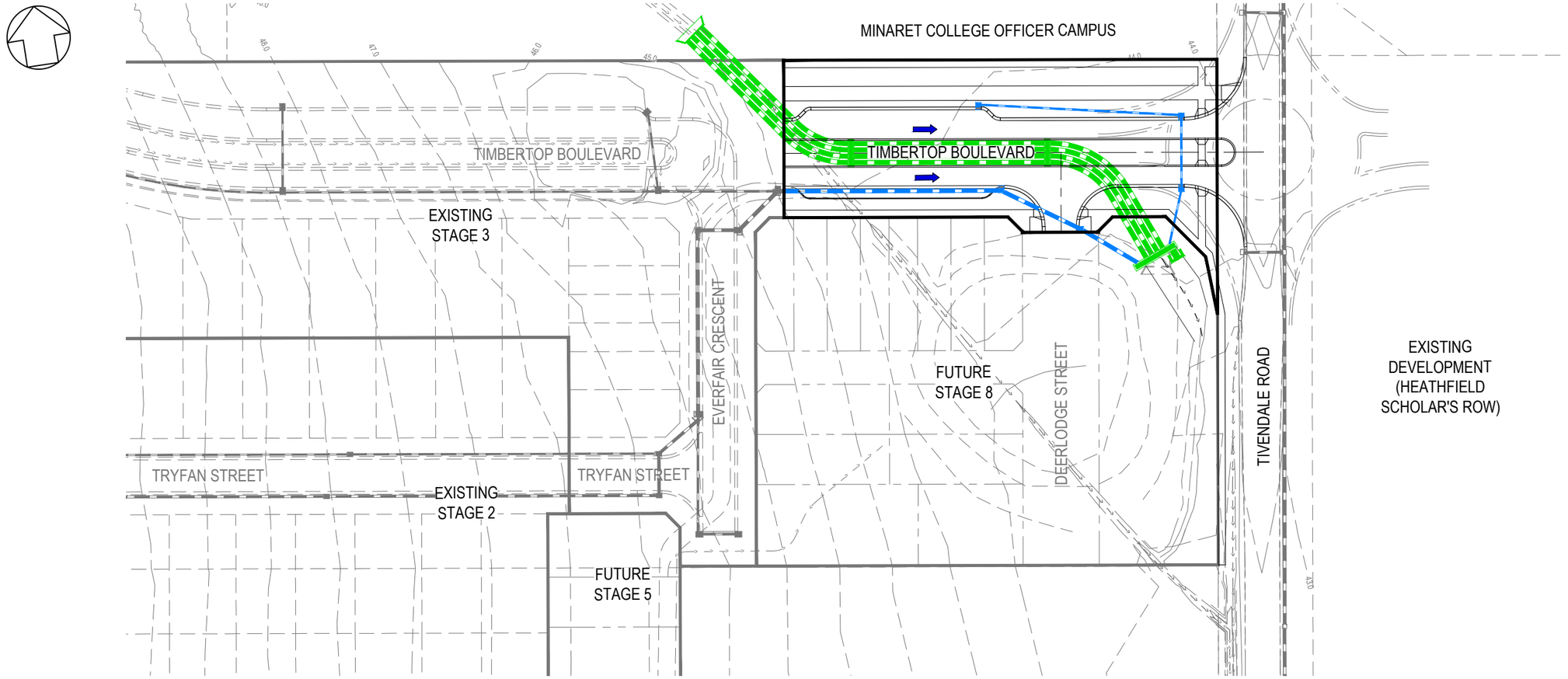
CARDINIA SHIRE COUNCIL

415 PRINCES HIGHWAY, OFFICER VIC 3809
HILLSTOWE ESTATE, STAGE 4

OVERALL Q5 CATCHMENT PLAN

SCALE	1:1500 @ A1
VERSION	A
SHEET	50 OF 53
DRAWING No.	01177-04-E-800



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WARNING

BEWARE OF UNDERGROUND SERVICES

THE LOCATIONS OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVED ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN. A MOCS ENQUIRY ON 1100 MUST BE MADE BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF WORKS.

WARNING

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE SETOUT INFORMATION PROVIDED ON THIS PLAN WITH THE DESIGN INTENT WHICH INCLUDES, BUT IS NOT LIMITED TO ITEMS SUCH AS LENGTHS, CO-ORDINATES, SETOUT DIMENSIONS AND PEGGED TITLES BY THE PRINCIPAL'S LICENSED SURVEYOR.

0 5 10 20 30 40

SCALE 1:500 AT A1 SIZE
SCALE 1:1000 AT A3 SIZE

PRELIMINARY
NOT FOR CONSTRUCTION

VER	DATE	REVISION	APPD.
A	18/09/2020	PRELIMINARY ISSUE	LOD

Coords: MGA Levels: AHD

TAYLORS
Urban Development | Infrastructure
8 / 270 Ferntree Gully Road, Notting Hill, Victoria, 3168
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DESIGNED:	LOD	AUTHORISED:	JOY
CHECKED:	ADK	AUTH. DATE:	18/09/2020
DRAFTED:	WGO	CAD REF:	01177-04-E-801-803

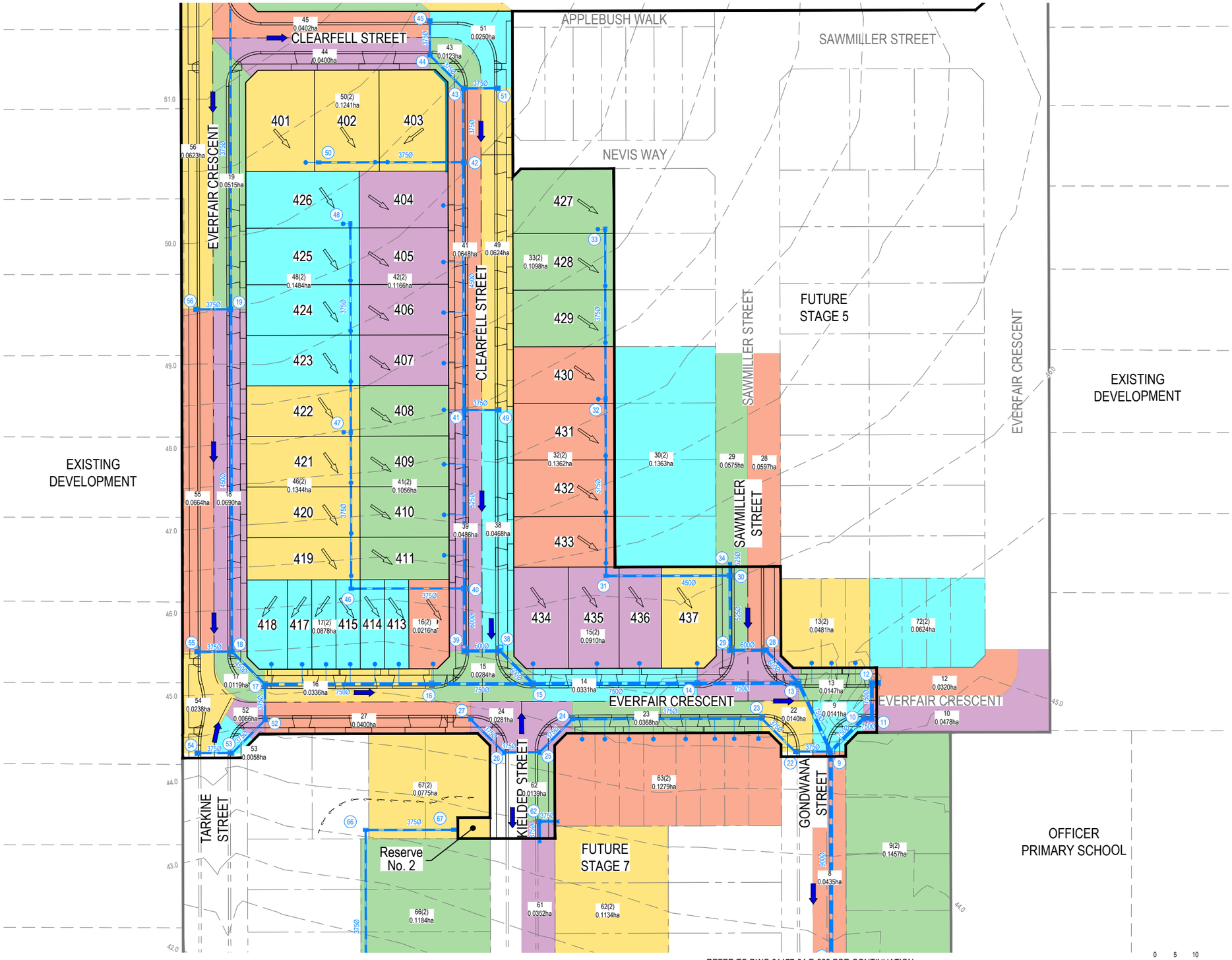
CARDINIA SHIRE COUNCIL

415 PRINCES HIGHWAY, OFFICER VIC 3809
HILLSTOWE ESTATE, STAGE 4

Q5 CATCHMENT PLAN
SHEET 1 OF 3

SCALE	1:500 @ A1
VERSION	A
SHEET	51 OF 53
DRAWING No.	01177-04-E-801

REFER TO DWG 01177-04-E-801 FOR CONTINUATION



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0 5 10 20 30 40

SCALE 1:500 AT A1 SIZE
SCALE 1:1000 AT A3 SIZE

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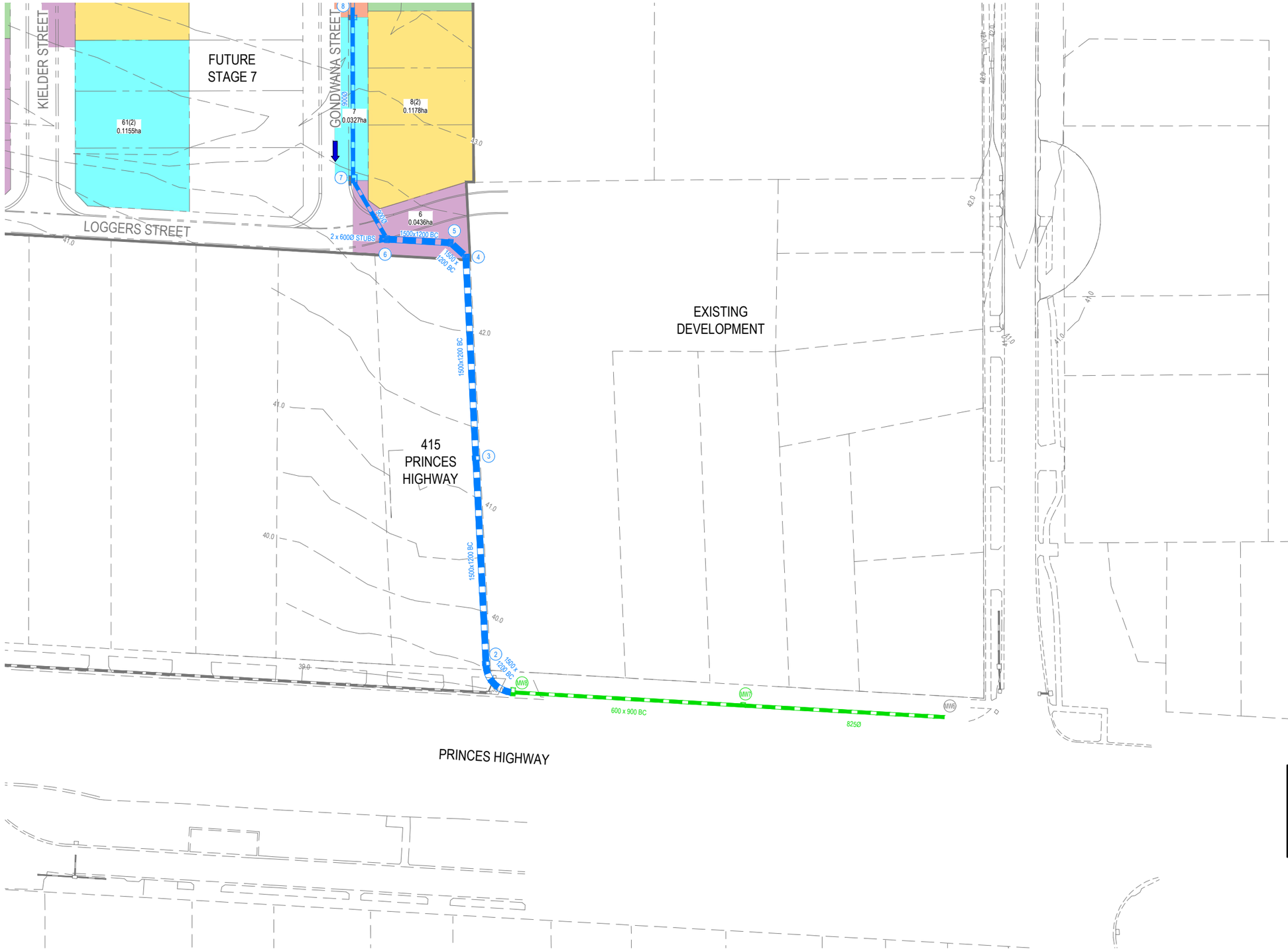
CARDINIA SHIRE COUNCIL

415 PRINCES HIGHWAY, OFFICER VIC 3809
HILLSTOWE ESTATE, STAGE 4

Q5 CATCHMENT PLAN
SHEET 2 OF 3

SCALE	1:500 @ A1
VERSION	A
SHEET	52 OF 53
DRAWING No.	01177-04-E-802

REFER TO DWG 01177-04-E-802 FOR CONTINUATION



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SCALE 1:500 AT A1 SIZE
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CARDINIA SHIRE COUNCIL

415 PRINCES HIGHWAY, OFFICER VIC 3809
HILLSTOWE ESTATE, STAGE 4

Q5 CATCHMENT PLAN
SHEET 3 OF 3

SCALE	1:500 @ A1
VERSION	A
SHEET	53 OF 53
DRAWING No.	01177-04-E-803