

WEINAM CREEK PRIORITY DEVELOPMENT AREA - STAGE 3F

MEISSNER STREET REDLAND BAY FOR REDLAND INVESTMENT CORPORATION

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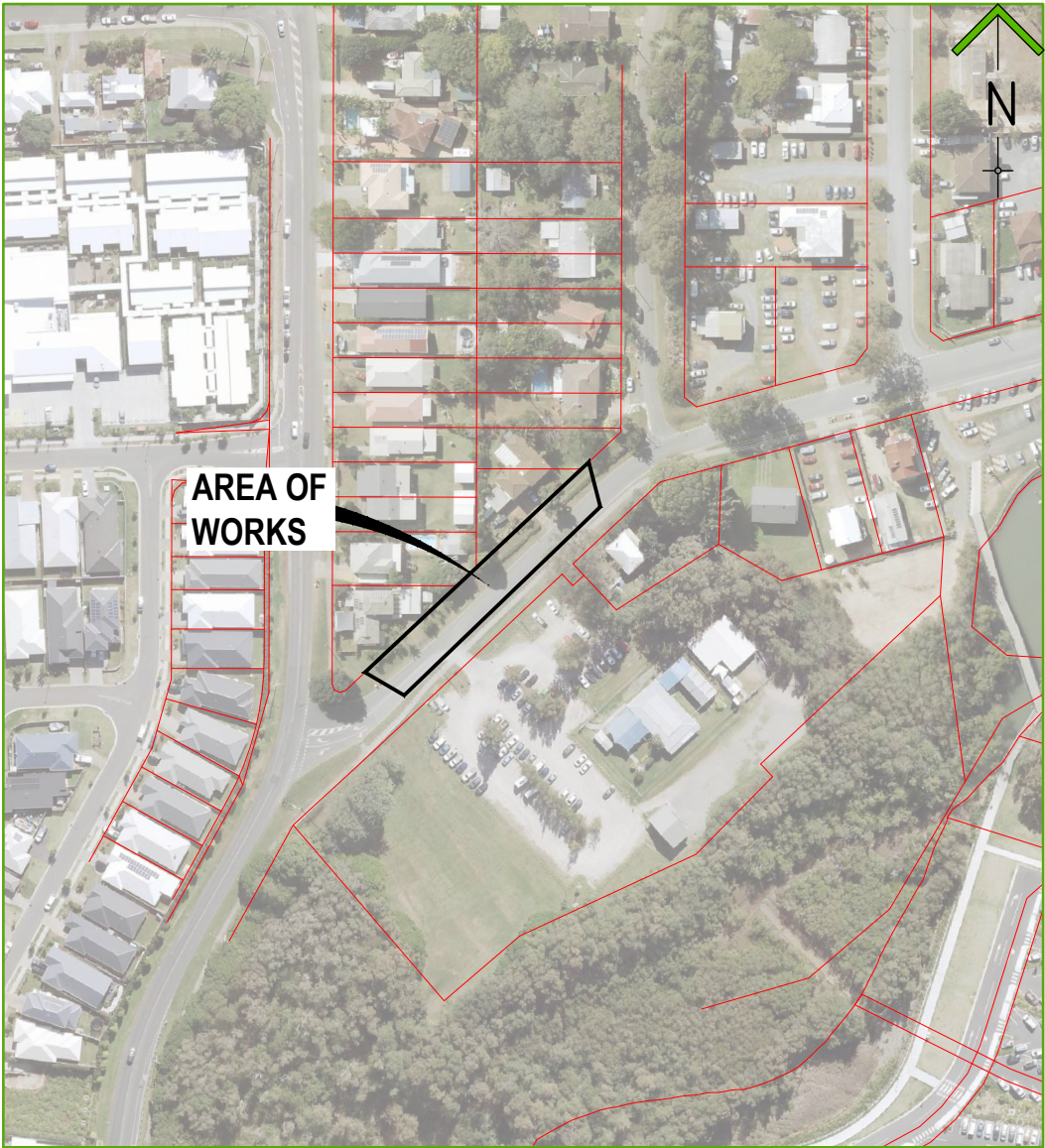
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PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV2023/1422
Date: 7 December 2023



LOCALITY PLAN

SCALE: NTS

THE ORIGINAL PLANS OF THIS PLAN SET WERE PRODUCED USING COLOUR FOR GREATER CLARITY AND OBJECT DEFINITION. WORKING WITH A BLACK AND WHITE COPY MAY CAUSE ERRORS. IF THESE DRAWINGS ARE NOT IN COLOUR THEN YOU **DO NOT** HAVE THE CORRECT PRESENTATION AND SHOULD SEEK ADVICE.

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REVISIONS		ISSUE DATE	SCALE:	FOR APPROVAL		ENGINEERING SOLUTIONS QLD.		TITLE: LOCALITY PLAN & DRAWING INDEX		A3
E			N.T.S.	APPROVED:		4/31 MAIN STREET PIALBA		PROJECT:		No. 1 of 14 DRAWINGS
D						PO Box 1050, HERVEY BAY QLD. 4655		WEINAM CREEK PRIORITY DEVELOPMENT AREA - STAGE 3F		Job No.
C						T: 07 41941550		MEISSNER STREET REDLAND BAY		DWG No.
B						E: admin@engineeringsolutionsqld.com.au		FOR REDLAND INVESTMENT CORPORATION		FC-22-014-3F C-0001
A	IR RESPONSE - LINE MARKING	1/09/2023	DO NOT SCALE FROM PLAN	RPEQ: 21977		W: www.engineeringsolutionsqld.com.au	Engineering Solutions Qld			
0	ORIGINAL ISSUE	22/06/2023		APPROVED DATE: 09/23		CLIENTS - SERVICE - SOLUTIONS				

LEGEND	
	EXISTING LOT BOUNDARY
	EXISTING CONTOURS
	EXISTING EDGE OF BITUMEN
	EXISTING POWERPOLE
	EXISTING LIGHTPOLE
	EXISTING ELECTRICAL TRANSFORMER/PILLAR
	EXISTING OVER HEAD ELECTRICITY LINE
	EXISTING UNDERGROUND ELECTRICITY LINE
	EXISTING TELSTRA LINE
	EXISTING TELSTRA OR OPTIC FIBRE STRUCTURE
	EXISTING WATERMAIN
	EXISTING FIRE HYDRANT
	EXISTING WATER VALVE
	EXISTING SEWER LINE & MANHOLE
	EXISTING STORMWATER LINE
	EXISTING FENCE
	EXISTING ROAD SIGNAGE
	OR
	EXISTING VEGETATION TO REMAIN
	EXISTING PAVEMENT
	EXISTING CONCRETE



DEPICTS EXISTING SEWERAGE INFRASTRUCTURE.
ACTUAL LOCATION TO BE CONFIRMED ON SITE. EXTREME
CAUTION TO BE TAKEN DURING CONSTRUCTION.



**DIAL BEFORE
YOU DIG**
PHONE 1100
www.1100.com.au

ARRANGE FOR LOCATIONS ON SITE BY THE
APPROPRIATE AUTHORITIES BEFORE DIGGING.
CALL 48 HOURS BEFORE YOU DIG.

NOTES:

- SURVEY PROVIDED BY PACIFIC COAST
SURVEYS 12/2022.
- CONTOURS SHOWN DEPICT EXISTING
SURFACE AND ARE AT 0.1m INTERVALS.

SURVEY STATION SETOUT TABLE

STN ID	EASTING	NORTHING	LEVEL
STN 1	30294.82	143640.84	6.416
STN 2	30383.31	143706.30	5.585

PLANS AND DOCUMENTS
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Queensland
Government

RP30543

2
RP135796

1
RP135796

140
RP116753

141
RP116753

2
RP90590

RETAINING WALL (RW04) TOP CONTROL LINE SETOUT

PT	CHAINAGE	EASTING	NORTHING	TOP HEIGHT	TOE HEIGHT	BEARING
IP 1	0.000	30315.384	143664.311	7.038	6.838	46°45'14.81"
	5.000	30319.026	143667.736	7.038	6.638	46°45'14.81"
	10.000	30322.668	143671.162	7.038	6.238	46°45'14.81"
	15.000	30326.310	143674.588	7.238	6.038	46°45'14.81"
	20.000	30329.953	143678.013	7.238	6.038	46°45'14.81"
	25.000	30333.595	143681.439	7.238	6.038	46°45'14.81"
	30.000	30337.237	143684.865	7.238	6.038	46°45'14.81"
	35.000	30340.879	143688.290	7.238	6.238	46°45'14.81"
IP 2	40.000	30344.521	143691.716	7.038	6.638	46°45'14.81"
	42.986	30346.696	143693.762	7.038	6.838	46°45'14.81"

MEISSNER STREET (MC01) CONTROL LINE SETOUT

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING
IP 1	0.000	30306.468	143641.740	6.290	46°31'27.16"
	5.000	30310.097	143645.180	6.240	46°31'27.16"
	10.000	30313.725	143648.620	6.184	46°31'27.16"
	15.000	30317.353	143652.060	6.118	46°31'27.16"
	20.000	30320.982	143655.501	6.052	46°31'27.16"
	25.000	30324.610	143658.941	6.005	46°31'27.16"
	30.000	30328.238	143662.381	5.969	46°31'27.16"
	35.000	30331.867	143665.821	5.933	46°31'27.16"
	40.000	30335.495	143669.261	5.928	46°31'27.16"
	45.000	30339.123	143672.702	5.962	46°31'27.16"
	50.000	30342.752	143676.142	5.997	46°31'27.16"
	55.000	30346.380	143679.582	6.028	46°31'27.16"
	60.000	30350.008	143683.022	6.057	46°31'27.16"
	65.000	30353.637	143686.463	6.089	46°31'27.16"
	70.000	30357.265	143689.903	6.106	46°31'27.16"
IP 2	75.000	30360.893	143693.343	6.124	46°31'27.16"
	80.000	30364.522	143696.783	6.133	46°31'27.16"
	85.000	30368.150	143700.224	6.105	46°31'27.16"

NOTWITHSTANDING THAT EXISTING SERVICES MAY OR MAY NOT BE SHOWN ON THESE
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CONFIRMED ON SITE WITH THE RELEVANT AUTHORITY.

REVISIONS	ISSUE DATE
E	
D	
C	
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A	IR RESPONSE - LINE MARKING
0	ORIGINAL ISSUE

SCALE:
SCALE 1:500 (m)
DO NOT SCALE FROM PLAN

FOR APPROVAL

APPROVED:

RPEQ:21977
APPROVED DATE:09/23

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NOT SCALE REDUCED SIZE DRAWINGS. VERIFY DIMENSIONS PRIOR TO
COMMENCING ANY WORKS.

TITLE: EXISTING SITE FEATURES & CONTROL LINE

PROJECT:
WEINAM CREEK PRIORITY DEVELOPMENT AREA - STAGE 3F
MEISSNER STREET REDLAND BAY
FOR REDLAND INVESTMENT CORPORATION

No. 2 of 14 DRAWINGS	
Job No.	DWG No.
FC-22-014-3F	C-0002
☒ A	☐ B
☐ C	☐ D
☐ E	☐ F

A3

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
2. NO WORK SHALL BE CARRIED OUT WITHIN 3.0m OF ANY UNDERGROUND SERVICE WITHOUT FIRST CONSULTING WITH THE RELEVANT AUTHORITY.
3. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING SERVICES WITH THE RELEVANT AUTHORITIES BEFORE COMMENCING CONSTRUCTION. ANY COSTS ASSOCIATED WITH THE DAMAGE OR REPAIR TO EXISTING SERVICES SHALL BE PAID FOR BY THE CONTRACTOR.
4. THE CONTRACTOR SHALL EMPLOY APPROPRIATE COMPACTION EQUIPMENT WHEN WORKING IN THE VICINITY OF EXISTING SERVICES AND RESIDENCES.
4. THE CONTRACTOR TO VERIFY ALL DIMENSIONS ON-SITE PRIOR TO THE COMMENCEMENT OF WORKS. THE SUPERINTENDENT SHALL RULE ON ANY DISCREPANCIES FOLLOWING LIAISON WITH THE CONSULTANT.
5. IN ADDITION TO ENGINEERING SOLUTIONS QLD SPECIFICATIONS, ALL WORKS TO BE UNDERTAKEN IN ACCORDANCE WITH F.C.R.C. SPECIFICATIONS.
6. IN ADDITION TO COMPACTION TESTING OF THE SUBGRADE, SUB-BASE AND BASE, AND IN THE CASE OF COMPACTION OF COARSE GRANULAR MATERIAL, PROOF TEST ROLLING SHALL BE UNDERTAKEN AS SOON AS POSSIBLE AFTER COMPLETION OF COMPACTION, IN THE PRESENCE OF THE SUPERINTENDENT AND COUNCIL'S INSPECTOR. SUCH TEST ROLLING SHALL BE DONE IN ACCORDANCE WITH AS 3798 - 2007. DRIED OUT SURFACES SHALL NOT BE ACCEPTABLE FOR TEST ROLLING. ATTENTION WILL BE GIVEN TO THE RELEVANCE OF TIMING AND MOISTURE CONTENT AS DESCRIBED IN THE ABOVE STANDARD.
7. NOTIFICATION SHALL BE PROVIDED TO COUNCIL 24 HOURS IN ADVANCE OF ALL REQUIRED INSPECTIONS TO ALLOW COUNCIL'S INSPECTOR TO ATTEND IF DEEMED TO BE NECESSARY.
8. ALL DISTURBED AREAS TO BE TOPSOILED AND GRASS SEEDDED UNLESS NOTED OTHERWISE.

COMPACTION NOTES:

ROADWORKS UP TO 300mm BELOW SUBGRADE	- 95% STANDARD
ROADWORKS WITHIN 300mm OF SUBGRADE	- 100% STANDARD
LOT FILL	- 98% STANDARD
SUB BASE GRAVEL	- 100% STANDARD
BASE GRAVEL	- 100% STANDARD

PAVEMENT NOTES:

1. PAVEMENT DESIGN NOMINATED ON THESE DRAWINGS HAS BEEN BASED ON AN ASSUMED CBR OF 3.0%
2. GEOTECHNICAL TESTING TO BE UNDERTAKEN TO CONFIRM PAVEMENT DESIGN
3. NOTIFY ALL RELEVANT AUTHORITIES PRIOR TO COMMENCEMENT OF WORK WITHIN EXISTING ROAD RESERVES.

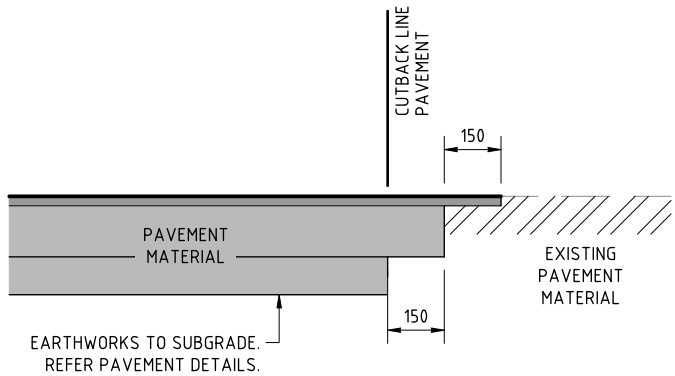
TURFING NOTE:

PROVIDE A 0.8m (MIN) TURF STRIP BEHIND ALL KERB AND AS LOCATED ON THE EROSION & SEDIMENT CONTROL DRAWING, REFER DWG C-0403

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

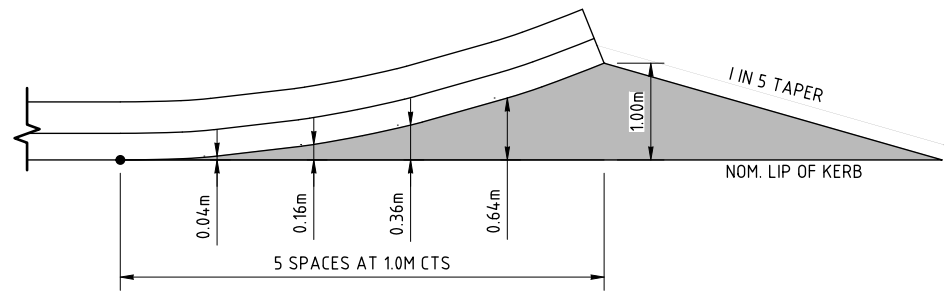
Approval no: DEV2023/1422

Date: 7 December 2023



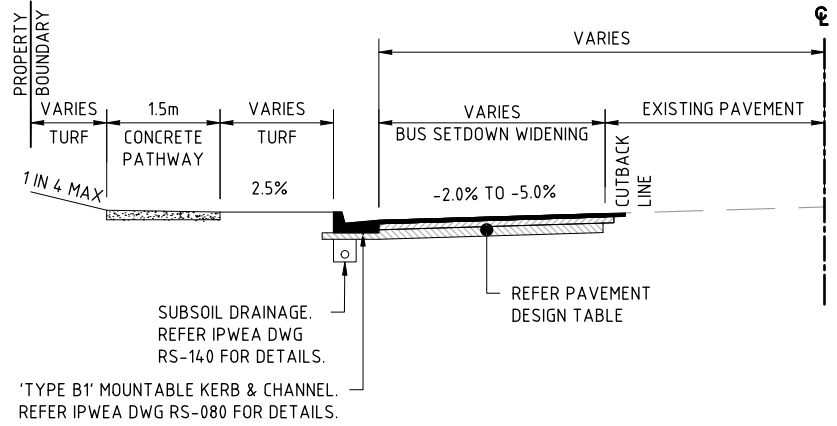
TYPICAL CUTBACK DETAIL

SCALE: NTS



FLARE DETAIL

NTS



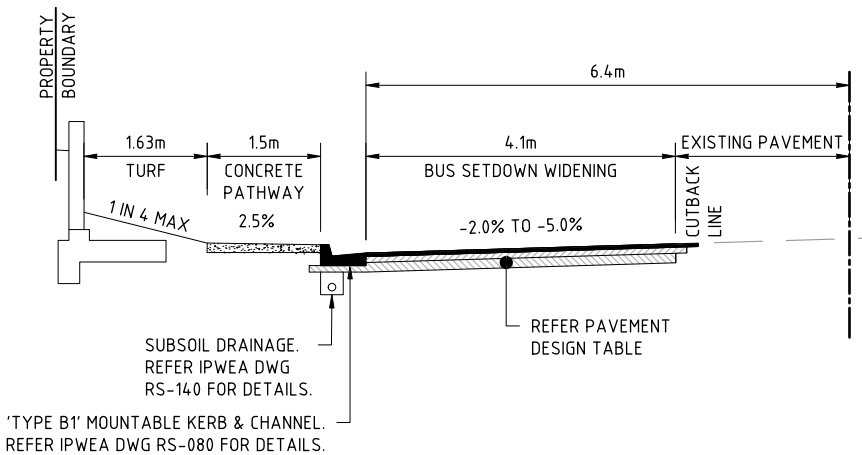
TYPICAL SECTION A

MEISSNER STREET (MC01)

CH 14.15 - CH 23.17

CH 58.5 - CH 64.8

SCALE: 1:100



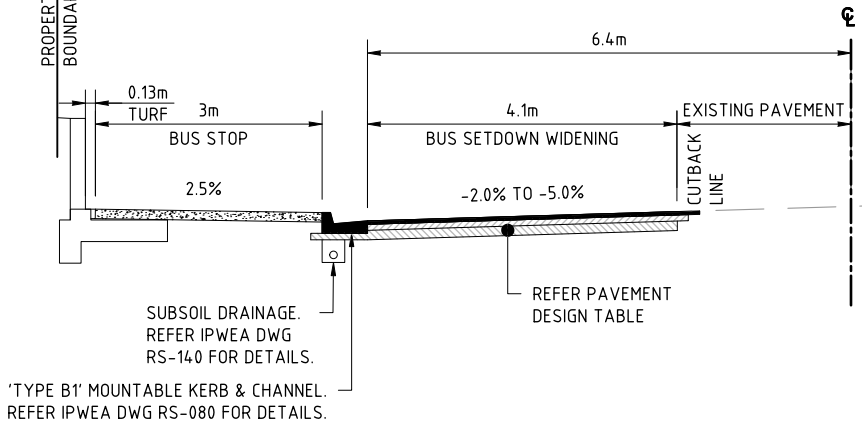
TYPICAL SECTION B

MEISSNER STREET (MC01)

CH 23.17 - CH 44.5

CH 50 - CH 58.5

SCALE: 1:100



TYPICAL SECTION C

MEISSNER STREET (MC01)

CH 44.5 - CH 50

SCALE: 1:100

PAVEMENT DESIGN TABLE

ROAD	SUBGRADE CBR %	TRAFFIC ESA'S	ROAD CLASS	SURFACING	BASE LAYER (TYPE 2.1 MATERIAL) mm	SUB-BASE LAYER (TYPE 2.3 MATERIAL) mm	PAVEMENT DEPTH (mm)
MEISSNER STREET (MC01)	5%	1 x 10 ⁵	BUS STOP	AC10M-30mm ASPHALT WITH PRIMER SEAL (C170 WITH 7mm CHIP -ALD 5mm)	125	320	445

REVISIONS	ISSUE DATE
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A	IR RESPONSE - LINE MARKING
0	ORIGINAL ISSUE

SCALE:
0 1 2 3
SCALE 1:100 (m)
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FOR APPROVAL
APPROVED:
RPEQ: 21977
APPROVED DATE: 09/23

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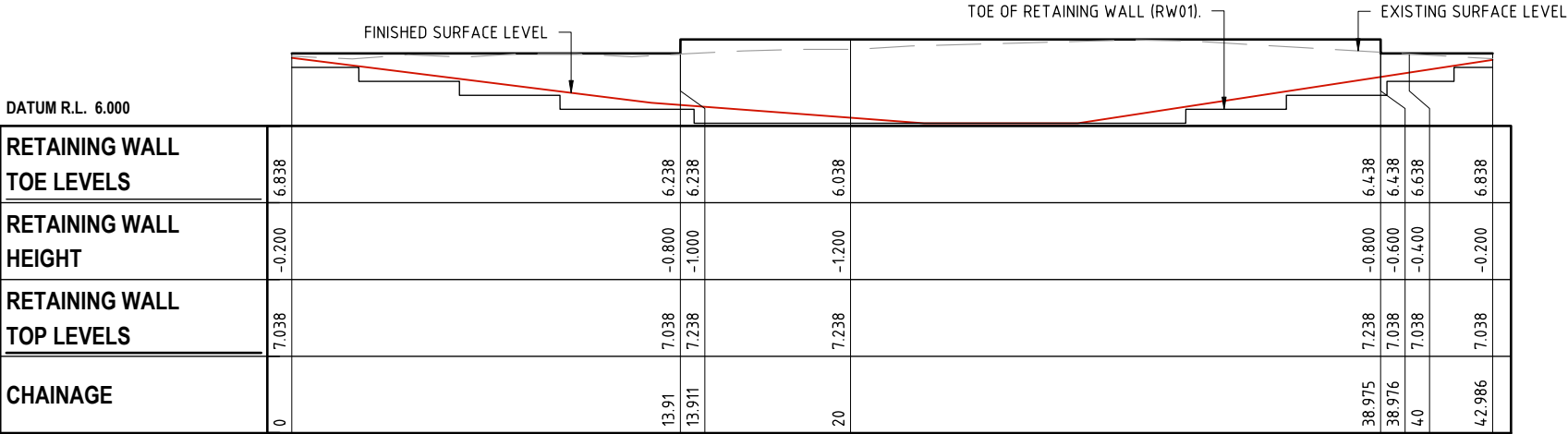
TITLE: TYPICAL SECTIONS & DETAILS	A3
PROJECT: WEINAM CREEK PRIORITY DEVELOPMENT AREA - STAGE 3F MEISSNER STREET REDLAND BAY FOR REDLAND INVESTMENT CORPORATION	No. 3 of 14 DRAWINGS
	Job No. FC-22-014-3F
	DWG No. C-0003
	A B C D E



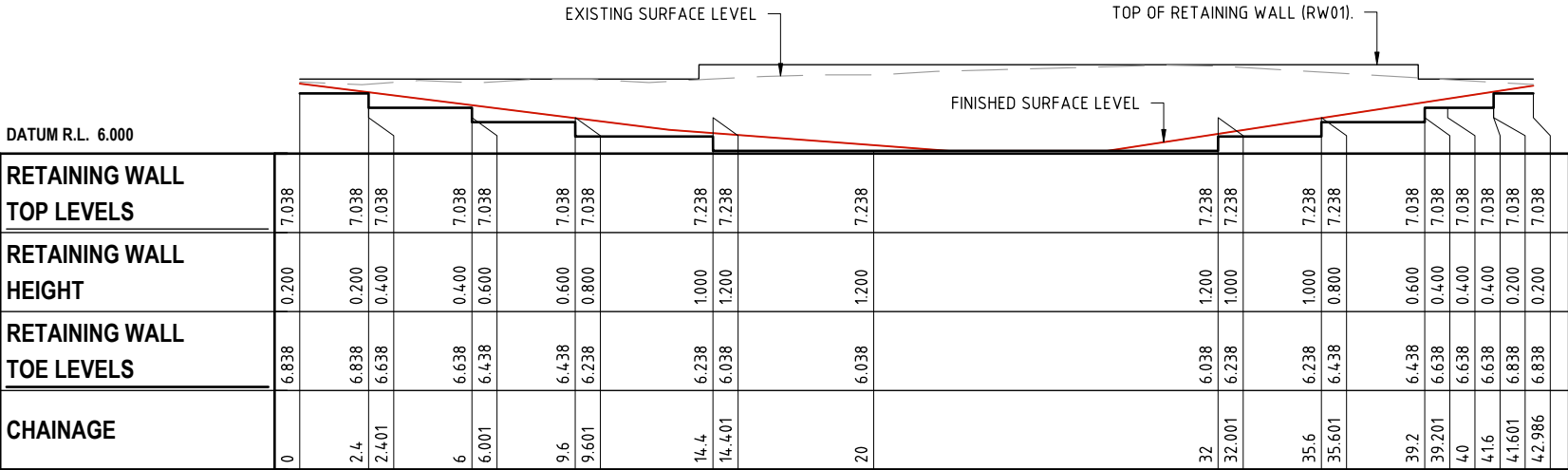
VOLUMES	CUT					7.247				31.948				57.551					9.786		0.027							
	FILL					3.169				4.774				2.209					4.752		0.024							
LIP OF KERB LEVEL (LHS)					6.180	6.155	6.145	6.126		6.066		6.042	6.038		5.975		5.945			6.054	6.072							
EXISTING CENTRLINE LEVELS		6.290	6.274	6.251	6.228	6.209	6.184		6.131	6.110	6.107		6.052	6.026		5.926	5.915	5.928	5.928	6.011	6.022	6.034	6.034	6.057	6.071	6.086	6.092	6.105
DESIGN CENTRELINE LEVELS		6.290	6.274	6.251	6.228	6.209	6.184		6.131	6.110	6.107		6.052	6.026		5.926	5.915	5.928	5.928	6.011	6.022	6.034	6.034	6.057	6.071	6.086	6.092	6.105
CHAINAGE		0	2	4	6	8	10		14	15.619	15.832	20	22		36	38	40		52	54	56		60	62	64	66		

MEISSNER STREET (MC01) LONGITUDINAL SECTION

REVISONS		ISSUE DATE	SCALE:	FOR APPROVAL APPROVED:  RPEQ: 21977 APPROVED DATE: 09/23	ENGINEERING SOLUTIONS QLD. 4/31 MAIN STREET PIALBA PO Box 1050, HERVEY BAY QLD. 4655 T: 07 41941550 E: admin@engineeringsolutionsqld.com.au W: www.engineeringsolutionsqld.com.au CLIENTS - SERVICE - SOLUTIONS	 Engineering Solutions Qld	THIS DRAWING IS COPYRIGHT AND THE PROPERTY OF ENGINEERING SOLUTIONS QLD PTY LTD. IT MUST NOT BE RETAINED, COPIED OR USED WITHOUT THE AUTHORITY OF ENGINEERING SOLUTIONS QLD PTY LTD. THIS DRAWING AND ITS CONTENTS ARE ELECTRONICALLY GENERATED, ARE CONFIDENTIAL AND MAY ONLY BE USED FOR THE PURPOSE FOR WHICH THEY WERE INTENDED. ENGINEERING SOLUTIONS QLD PTY LTD WILL NOT ACCEPT RESPONSIBILITY FOR ANY CONSEQUENCES ARISING FROM THE USE OF THE DRAWING FOR OTHER THAN ITS INTENDED PURPOSE OR WHERE THE DRAWING HAS BEEN ALTERED, AMENDED OR CHANGED EITHER MANUALLY OR ELECTRONICALLY BY ANY THIRD PARTY. THIS IS AN UNCONTROLLED DOCUMENT ISSUED FOR INFORMATION PURPOSES ONLY. UNLESS THE CHECKED SECTIONS ARE SIGNED OR COMPLETED, FIGURED DIMENSIONS TAKE PRECEDENCE OVER SCALED, DO NOT SCALE REDUCED SIZE DRAWINGS. VERIFY DIMENSIONS PRIOR TO COMMENCING ANY WORKS.	TITLE: MEISSNER STREET (MC01) LONGITUDINAL SECTION		A3
E								PROJECT:	No. 4 of 14 DRAWINGS	
D								WEINAM CREEK PRIORITY DEVELOPMENT AREA - STAGE 3F	Job No.	DWG No.
C								MEISSNER STREET REDLAND BAY	FC-22-014-3F	C-0100
B								FOR REDLAND INVESTMENT CORPORATION		
A	IR RESPONSE - LINE MARKING	1/09/2023								
0	ORIGINAL ISSUE	22/06/2023	DO NOT SCALE FROM PLAN							



RETAINING WALL (RW04) TOP LONGITUDINAL SECTION



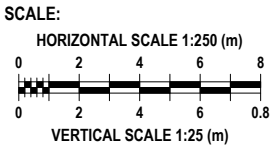
RETAINING WALL (RW04) TOE LONGITUDINAL SECTION

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV2023/1422
Date: 7 December 2023



REVISIONS	ISSUE DATE
E	
D	
C	
B	
A	IR RESPONSE - LINE MARKING 1/09/2023
0	ORIGINAL ISSUE 22/06/2023



FOR APPROVAL

APPROVED:

RPEQ: 21977

APPROVED DATE: 09/23

ENGINEERING SOLUTIONS QLD.

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TITLE: RETAINING WALL (RW04) LONGITUDINAL SECTIONS		A3	
PROJECT: WEINAM CREEK PRIORITY DEVELOPMENT AREA - STAGE 3F MEISSNER STREET REDLAND BAY FOR REDLAND INVESTMENT CORPORATION		No. 5 of 14 DRAWINGS	
		Job No. FC-22-014-3F	DWG No. C-0101
		A B C D E	

RETAINING WALL NOTES:

DESIGN

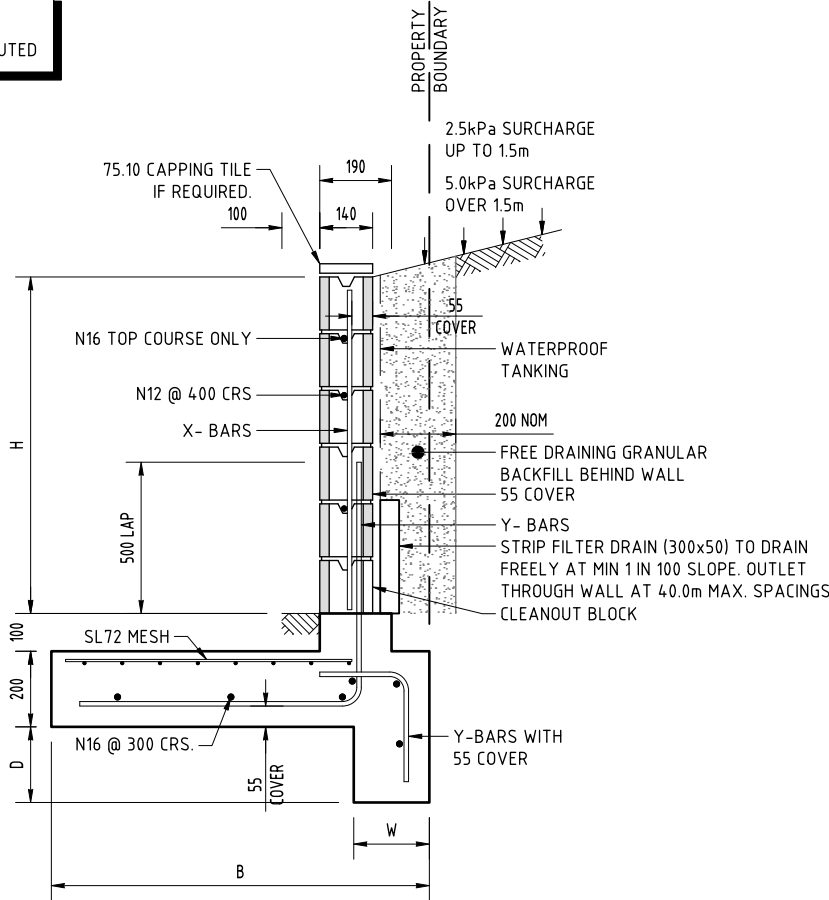
- D1. ALL FOUNDATIONS TO HAVE A MINIMUM ALLOWABLE BEARING PRESSURE PRESSURE OF 125kPa. STIFF OR SANDY CLAY, SAND AND DECOMPOSED SHALE NORMALLY MEET THIS REQUIREMENT.
- D2. STRUCTURAL CLASSIFICATION (AS4678) – “B”
LIVE LOAD SURCHARGE – 2.5 kPa (RETAINED HT < 1500mm)
– 5.0 kPa (RETAINED HT > 1500mm)
- SATURATED FILL DENSITY – 1900 kg/m³
CHARACTERISTIC INTERNAL FRICTION ANGLE- 25° (RETAINED MATERIAL)
– 50° (FOUNDATIONS)

MATERIALS

- M1. ALL CONCRETE SHALL BE GRADE N25.
- M2. ALL BLOCKS SHALL BE GRADE 15 IN ACCORDANCE WITH AS/NZS 4455
- M3. ALL MORTAR SHALL BE M4 CLASS
- M4. ALL REINFORCING STEEL TO BE DEFORMED BARS GRADE 500N IN ACCORDANCE WITH AS/NZS 4671.
- M5. ALL GROUT SHALL BE 20MPa STRENGTH AT 28 DAYS WITH 10mm MAXIMUM AGGREGATE AND WITH A SLUMP OF 230mm MIN. CONSTRUCTION
- C1. THE VERTICAL SIDES OF THE FOOTING SHALL BE CAST DIRECTLY IN CONTACT WITH SOLID FACES OF THE EXCAVATION.
- C2. ALL BLOCKS SHALL BE FACE SHELL BEDDED. MORTAR JOINT THICKNESS SHALL NOT EXCEED 10.0mm. SURFACE OF ALL JOINTS SHALL BE TOOLED TO PRODUCE A DENSE WATER SHEDDING FINISH. JOINTS SHALL NOT BE RAKED.
- C3. PROVIDE WEEP HOLES TO ALTERNATE VERTICAL PERPENDS IN BOTTOM CLEAN OUT COURSE.
- C4. ALL CORES TO BE CLEARED FREE OF MORTAR FINES AND SPILLAGE PRIOR TO FILLING.
- C5. REINFORCEMENT, PARTICULARLY VERTICAL REINFORCING BARS IN THE WALL, SHOULD BE POSITIONED ACCURATELY AND TIED SECURELY BEFORE PLACING CONCRETE OR GROUT.
- C6. ALL CORES TO BE COMPLETELY FILLED WITH GROUT, WHETHER REINFORCED OR NOT AND ALL GROUT CORES ARE TO BE COMPACTED BY RODDING OR MECHANICAL VIBRATOR.
- C7. SLOTTED AGRICULTURAL DRAIN TO HAVE A MINIMUM GRADE OF 1 IN 100 TO A FREE DRAINING OUTLET.
- C8. BACKFILLING SHALL NOT COMMENCE UNTIL 14 DAYS AFTER COMPLETION OF GROUT FILLING.
- C9. ALL BACKFILL EXCEPT THE DRAINAGE LAYER SHALL BE COMPACTED TO AT LEAST 85% OF MAXIMUM DENSITY AS PER TEST E. 2.1 OF AS 1289 FOR MODIFIED COMPACTION – STANDARD METHOD. VIBRATING MECHANICAL ROLLERS SHALL NOT BE USED WITHIN A DISTANCE BEHIND THE WALL OF HALF OF THE HEIGHT OF THE WALL OR 1 METRE, WHICHEVER IS GREATER. ADVICE TO BUILDERS AND SUPERVISORS.
- S1. PARTICULAR ATTENTION SHOULD BE PAID TO ENSURE FREE DRAINAGE BEHIND THE WALL, CORRECT PLACEMENT OF STARTER BARS AND REINFORCING, AND PROPER CORE FILLING AS THESE ARE CRITICAL FACTORS IN THE WALL CONSTRUCTION.

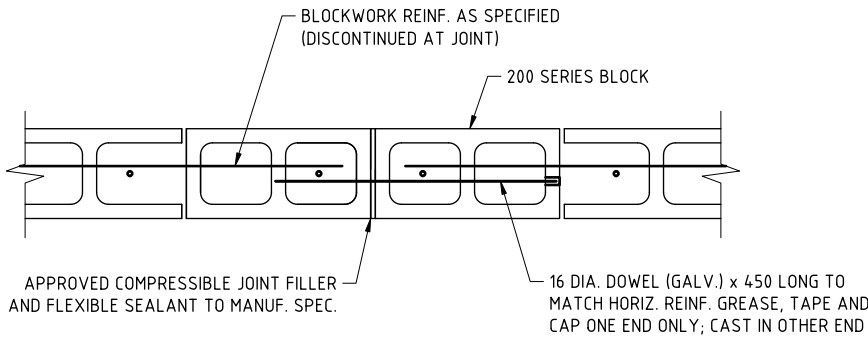
NOTE:

ALL CORES TO BE FULLY GROUTED



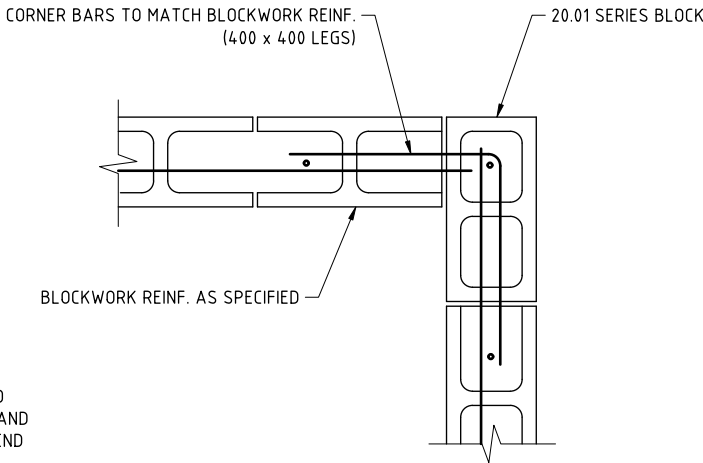
SLOPING SURFACE WALL LAYOUT (UP TO 1.2m HIGH)

NTS



BLOCKWORK CONTROL JOINT

NTS



BLOCKWORK CORNER JOINT

NTS

BASE SIZES

WALL HEIGHT 'H'	BASE WIDTH 'B'
	2.5kPa SURCHARGE
600	700
800	900
1000	1100
1200	1400

NOTES:

- ALL DIMENSIONS IN MILLIMETERS.
- 300mm OF SOIL OR A PRIVATE DRIVEWAY IMPOSES A SURCHARGE LOAD OF APPROX. 5kPa.
- 2.5kPa SURCHARGE APPLIES UP TO 1.5m.
- 5.0kPa SURCHARGE APPLIES OVER 1.5m.

REINFORCEMENT DETAILS

WALL HEIGHT 'H'	X-BAR	Y-BAR
600	N12	N12
800	N12	N12
1000	N12	N12
1200	N12	N12

NOTES:

- ALL DIMENSIONS IN MILLIMETERS.
- ALL BARS ARE TO BE AT 400mm CENTRES UNLESS OTHERWISE STATED.
- ALL BARS TO HAVE 55mm COVER FROM OUTSIDE CONCRETE SURFACE.

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV2023/1422

Date: 7 December 2023



REVISIONS	ISSUE DATE
E	
D	
C	
B	
A	IR RESPONSE – LINE MARKING 1/09/2023
0	ORIGINAL ISSUE 22/06/2023

SCALE:
N.T.S.
DO NOT SCALE FROM PLAN

FOR APPROVAL
APPROVED: 
RPEQ: 21977 APPROVED DATE: 09/23

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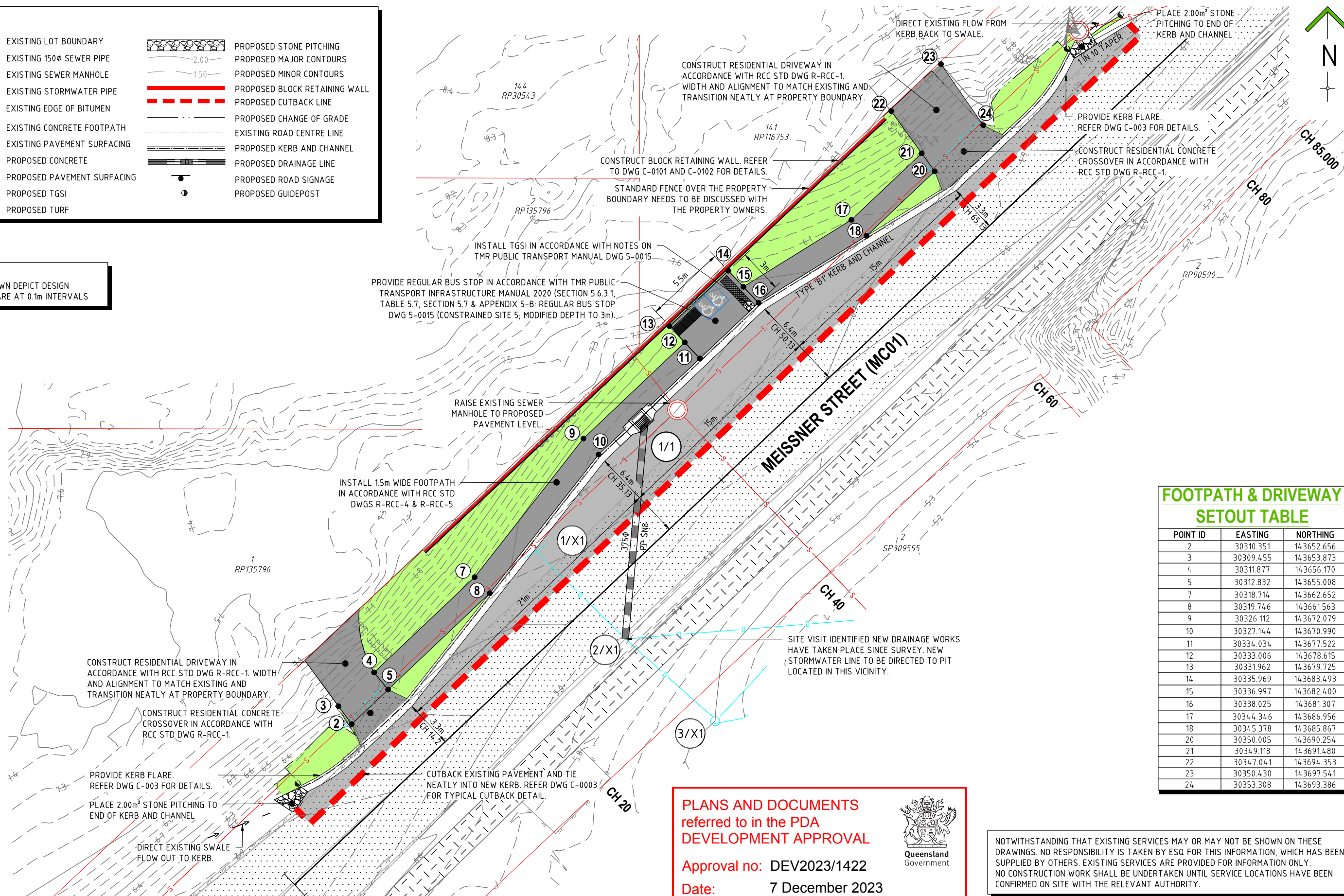
TITLE: RETAINING WALL DETAILS	A3
PROJECT: WEINAM CREEK PRIORITY DEVELOPMENT AREA - STAGE 3F MEISSNER STREET REDLAND BAY FOR REDLAND INVESTMENT CORPORATION	No. 6 of 14 DRAWINGS Job No. FC-22-014-3F DWG No. C-0102
	0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 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1821 1822 1823 1824 1825 1826 1827 1828 1829 1830 1831 1832 1833 1834 1835 1836 1837 1838 1839 1840 1841 1842 1843 1844 1845 1846 1847 1848 1849 1850 1851 1852 1853 1854 1855 1856 1857 1858 1859 1860 1861 1862 1863 1864 1865 1866 1867 1868 1869 1870 1871 1872 1873 1874 1875 1876 1877 1878 1879 1880 1881 1882 1883 1884 1885 1886 1887 1888 1889 1890 1891 1892 1893 1894 1895 1896 1897 1898 1899 1900 1901 1902 1903 1904 1905 1906 1907 1908 1909 1910 1911 1912 1913 1914 1915 1916 1917 1918 1919 1920 1921 1922 1923 1924 1925 1926 1927 1928 1929 1930 1931 1932 1933 1934 1935 1936 1937 1938 1939 1940 1941 1942

LEGEND

	EXISTING LOT BOUNDARY		PROPOSED STONE PITCHING
	EXISTING 150Ø SEWER PIPE		PROPOSED MAJOR CONTOURS
	EXISTING SEWER MANHOLE		PROPOSED MINOR CONTOURS
	EXISTING STORMWATER PIPE		PROPOSED BLOCK RETAINING WALL
	EXISTING EDGE OF BITUMEN		PROPOSED CUTBACK LINE
	EXISTING CONCRETE FOOTPATH		PROPOSED CHANGE OF GRADE
	EXISTING PAVEMENT SURFACING		EXISTING ROAD CENTRE LINE
	PROPOSED CONCRETE		PROPOSED KERB AND CHANNEL
	PROPOSED PAVEMENT SURFACING		PROPOSED DRAINAGE LINE
	PROPOSED TGSi		PROPOSED ROAD SIGNAGE
	PROPOSED TURF		PROPOSED GUIDEPOST

NOTE

1. CONTOURS SHOWN DEPICT DESIGN SURFACE AND ARE AT 0.1m INTERVALS



FOOTPATH & DRIVEWAY SETOUT TABLE

POINT ID	EASTING	NORTHING
2	30310.351	143652.656
3	30309.455	143653.873
4	30311.877	143656.170
5	30312.832	143655.008
7	30318.714	143662.652
8	30319.746	143661.563
9	30326.112	143672.079
10	30327.144	143670.990
11	30334.034	143677.522
12	30333.006	143678.615
13	30331.962	143679.725
14	30335.969	143683.493
15	30336.997	143682.400
16	30338.025	143681.307
17	30344.346	143686.956
18	30345.378	143685.867
20	30350.005	143690.254
21	30349.118	143691.480
22	30347.041	143694.353
23	30350.430	143697.541
24	30353.308	143693.386

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV2023/1422
Date: 7 December 2023



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REVISIONS	ISSUE DATE
E	
D	
C	
B	
A	IR RESPONSE - LINE MARKING
0	ORIGINAL ISSUE

SCALE:
SCALE 1:250 (m)
DO NOT SCALE FROM PLAN

FOR APPROVAL
APPROVED:
RPEQ: 21977
APPROVED DATE: 09/23

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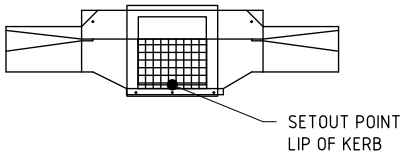
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TITLE: DESIGN DETAIL	A3
PROJECT: WEINAM CREEK PRIORITY DEVELOPMENT AREA - STAGE 3F	No. 7 of 14 DRAWINGS
MEISSNER STREET REDLAND BAY	Job No.
FOR REDLAND INVESTMENT CORPORATION	DWG No.
	FC-22-014-3F C-0200
	A B C D E

STORMWATER NOTES:

1. THE CONTRACTOR SHALL PERFORM CCTV INSPECTION ON ALL STORMWATER LINES TO THE SATISFACTION OF COUNCIL PRIOR TO THE WORKS BEING PLACED 'ON MAINTENANCE'.
2. KERB INLETS ARE TO BE PRECAST CM-PRODUCTS PROTUED TYPE 24 SERIES RGU ON STD 800X900 PIT, IN ACCORDANCE WITH IPWEAQ STD DWG DS-063 (UNO).
3. PIPE INSTALLATION TO BE IN ACCORDANCE WITH IPWEAQ STD. DWG. NO. DS-030 'EXCAVATION, BEDDING AND BACKFILLING RIGID & FLEXIBLE DRAINAGE PIPES..
4. FILL/BACKFILL MATERIAL BENEATH ALL ROADWAYS TO BE CBR 15 MINIMUM.



DRAINAGE STRUCTURE SETOUT DETAILS
NTS

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV2023/1422
Date: 7 December 2023



DRAINAGE SETOUT TABLE

POINT ID	EASTING	NORTHING	DESCRIPTION
1/1	30330.206	143673.094	CM RGU C24R WITH 800x900 CHAMBER

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REVISIONS	ISSUE DATE
E	
D	
C	
B	
A	IR RESPONSE - LINE MARKING
0	ORIGINAL ISSUE

SCALE:
HORIZONTAL SCALE 1:1000 (m)
0 10 20 30
0 2 4 6
VERTICAL SCALE 1:200 (m)
DO NOT SCALE FROM PLAN

FOR APPROVAL
APPROVED:
RPEQ:21977
APPROVED DATE:09/23

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LINE 1

PIPE SIZE (mm)	375
PIPE CLASS	PP SN8
PIPE GRADE (%)	0.93%
PIPE SLOPE (1 in X)	108.1
DATUM RL	-11.000
DEPTH TO INVERT	1.499
INVERT LEVEL OF DRAIN	4.227
DESIGN (& EXISTING) SURFACE LEVEL	5.726
CHAINAGE	0.000

1.495

4.030

5.495

21.299

LINE X1

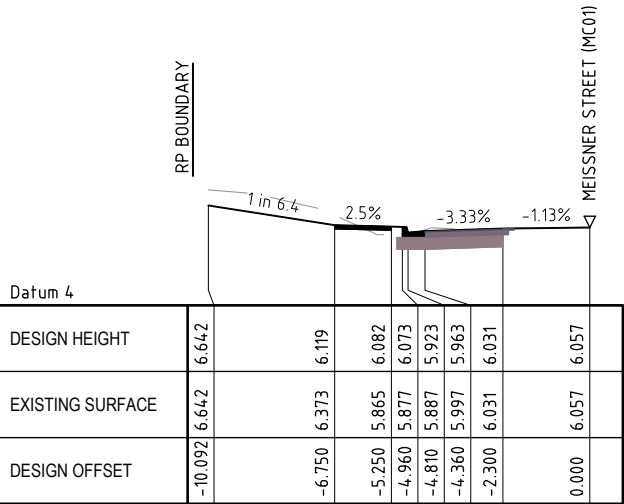
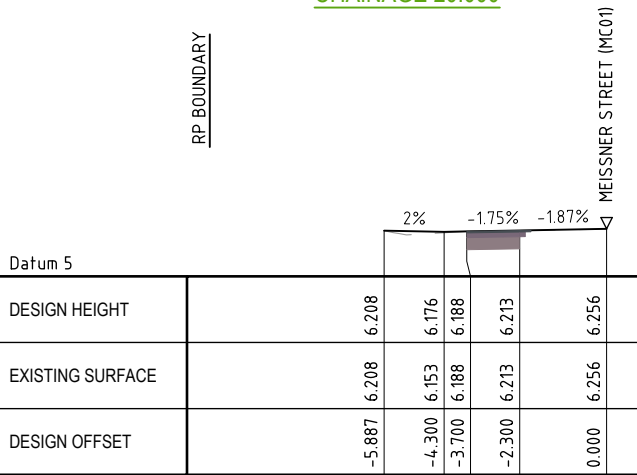
300	375	375
EXISTING	EXISTING	EXISTING
4.74%	1.00%	0.00%
21.1	100.0	1000000.0
DATUM RL	-11.000	
0.300	0.685	
5.600	4.810	
5.595	5.495	
16.658	10.000	
5.860		
5.595		
4.011		
65.858		

0.375

3.870

4.011

65.858



TITLE: MEISSNER STREET (MC01) CROSS SECTIONS											A3				
PROJECT: WEINAM CREEK PRIORITY DEVELOPMENT AREA - STAGE 3F MEISSNER STREET REDLAND BAY FOR REDLAND INVESTMENT CORPORATION							No. 10 of 14 DRAWINGS								
							Job No. FC-22-014-3F				DWG No. C-0400				
							☒		A		B		C		D