

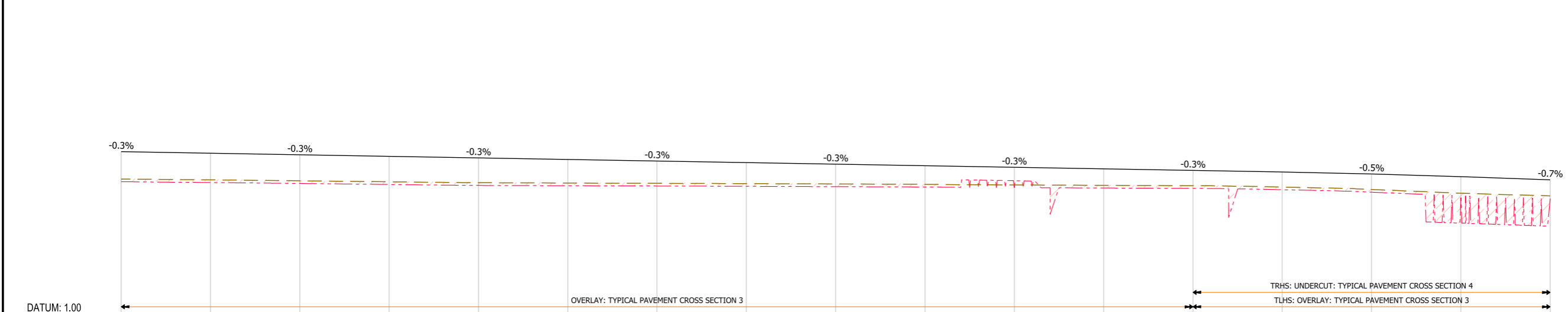
**LEGEND: EXISTING**

- BOUNDARIES
- FENCELINE
- WASTEWATER
- STORMWATER
- POTABLE WATER
- POWER HV (UG)
- POWER HV (OH)
- POWER LV (UG)
- POWER LV (OH)
- CHORUS
- EDGE OF SEAL

**LEGEND: PROPOSED**

- MAJOR CONTOUR
- MINOR CONTOUR
- PAVEMENT EXTENT
- SIDE ROAD OVERLAY
- SWALE
- CUT / FILL / GRASS BERM
- MOUNTABLE K&C w SUBSOIL
- DRIVEWAY, REFER C384
- DRIVEWAY CONCRETE
- FOOTPATH
- PAVEMENT DIGOUT DEPTH
- FENCE RELOCATION
- PAVEMENT TIE-IN, REFER C381
- KERB CUT DOWN, REFER C383

- NOTES:**
- FOR SURVEY & EXISTING SERVICES NOTES REFER TO C1xx SERIES OF DRAWINGS.
  - THESE DRAWINGS TO BE READ WITH ALL OTHER DRAWINGS, CONTRACT DOCUMENTS AND SPECIFICATIONS. IF THE CONTRACTOR FINDS ANY INCONSISTENCY, ERROR OR OMISSION IN THE DOCUMENTS, OR BETWEEN DOCUMENTS, THE ENGINEER DRAWINGS MUST BE NOTIFIED.
  - ALL WORKS & MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE WBOPDC INFRASTRUCTURE DEVELOPMENT CODE (IDC).
  - REINSTATE EXISTING PAINT MARKING. ALL MARKING & SIGNS TO COMPLY WITH THE REQUIREMENTS OF NZTA MANUAL OF TRAFFIC SIGNS & MARKINGS PART 2.
  - THE CONTRACTOR SHALL SPOT MARK ALL PROPOSED ROAD MARKINGS ON SITE FOR VERIFICATION BY THE ENGINEER, PRIOR TO SPRAYING NEW MARKINGS.
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  - MANHOLE LID LOADING TO BE SUITABLE FOR HN-HO 72 LOADINGS AND STREETWARE COVERS AND CATCHPITS GRILLS TO BE SUITABLE FOR CLASS D TO AS3996-2006 LOADINGS.
  - INSTALLATION OF CATCHPITS/MANHOLES AS PER MANUFACTURERS RECOMMENDATIONS.
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VERTICAL SCHEMATIC	G=-0.35% L=89.72																				K=30.0 L=10.50		G=-0.70% L=33.65																
HORIZONTAL SCHEMATIC	L=153.90 S 13° 14' 40" E																																						
DESIGN LEVELS	2.863		2.846		2.828		2.811		2.793		2.776		2.758		2.741		2.723		2.706		2.688		2.671		2.653		2.636		2.636		2.614		2.593		2.583		2.568		2.548
EXISTING LEVELS	2.557		2.547		2.537		2.526		2.516		2.512		2.509		2.505		2.501		2.498		2.490		2.486		2.482		2.468		2.467		2.440		2.440		2.399		2.397		2.368
CUT / FILL	-0.307		-0.298		-0.291		-0.285		-0.278		-0.264		-0.249		-0.235		-0.222		-0.208		-0.198		-0.184		-0.171		0.169		0.169		0.174		0.174		0.185		0.184		0.180
CUT TO SUBGRADE	-0.030		-0.030		-0.030		-0.030		-0.030		-0.030		-0.030		-0.030		-0.030		-0.030		-0.030		-0.030		-0.030		-0.030		-0.030		-0.030		-0.030		-0.030		-0.030		-0.030
CHAINAGE	5310.0		5315.0		5320.0		5325.0		5330.0		5335.0		5340.0		5345.0		5350.0		5355.0		5360.0		5365.0		5370.0		5374.8		5375.0		5380.0		5380.0		5385.0		5385.0		5390.0

LONGITUDINAL SECTION: SEAFORTH ROAD  
SCALE HORIZ= 1:125; VERT= 1:25

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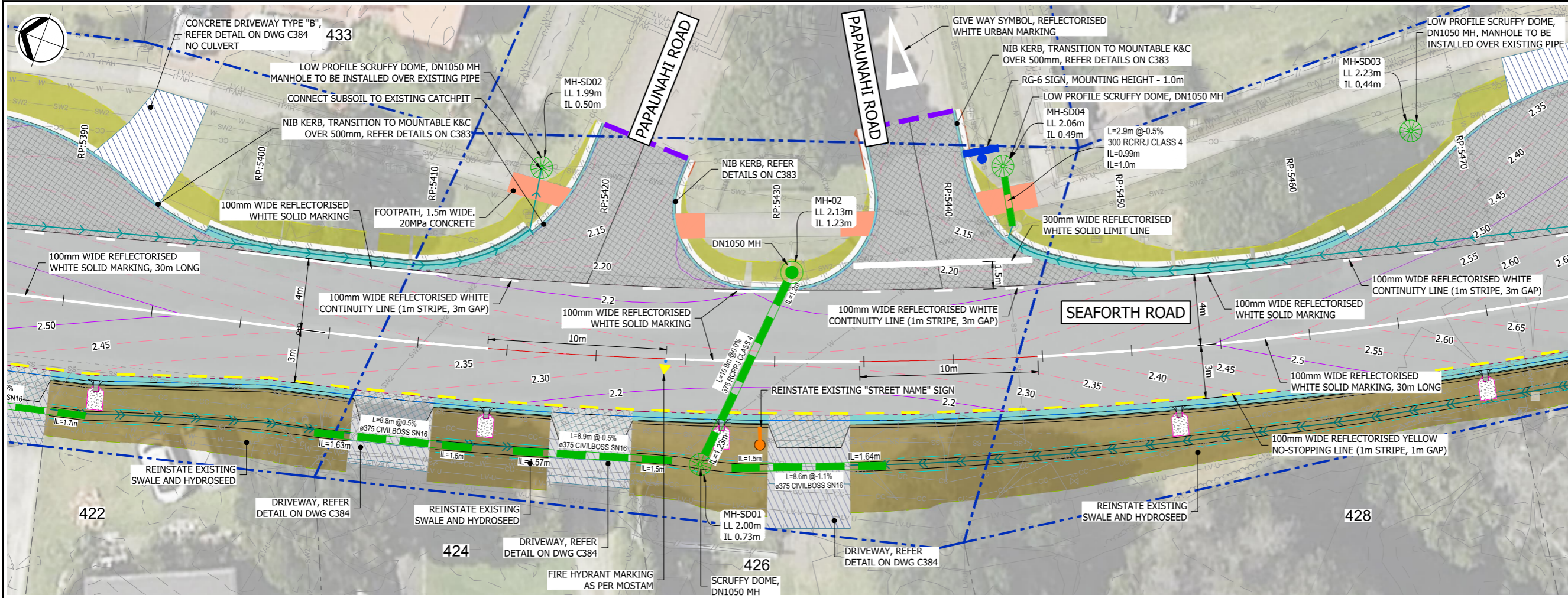


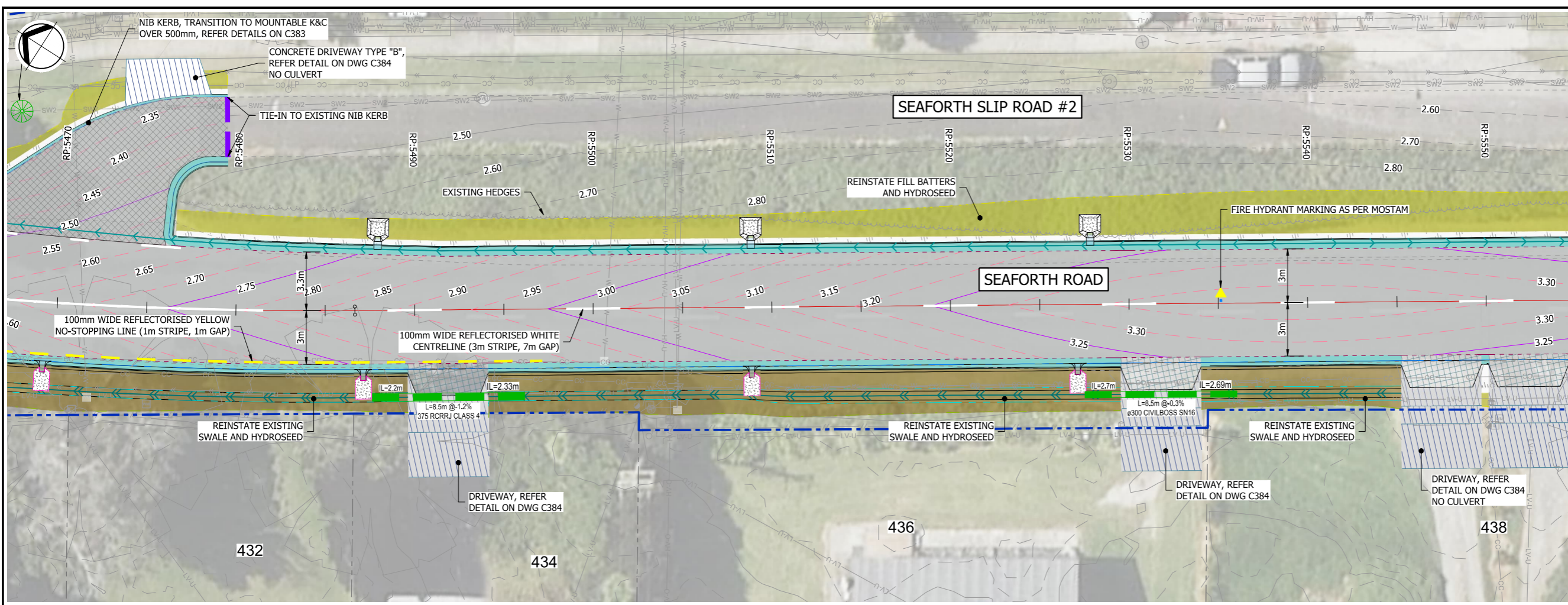
REV.	ISSUE FOR TENDER	DESCRIPTION	DATE
0	ISSUE FOR TENDER		29.07.25

SEAFORTH ROAD, BOWENTOWN  
ROAD REHABILITATION  
PROPOSED ROAD LAYOUT SHEET 3

BY	REVIEW	DATE	SCALE	STATUS
DESIGN: JSD	MK	03.02.25	1:125	FOR TENDER
DRAWN: JSD	MK	03.02.25		
APRVD: RST		29.07.25		
PROJECT No:	02-0662	DWG No:	C303	REVISION:
				0

DO NOT SCALE OFF THIS DRAWING. VERIFY ALL DIMENSIONS ON SITE BEFORE COMMENCING ANY WORK.





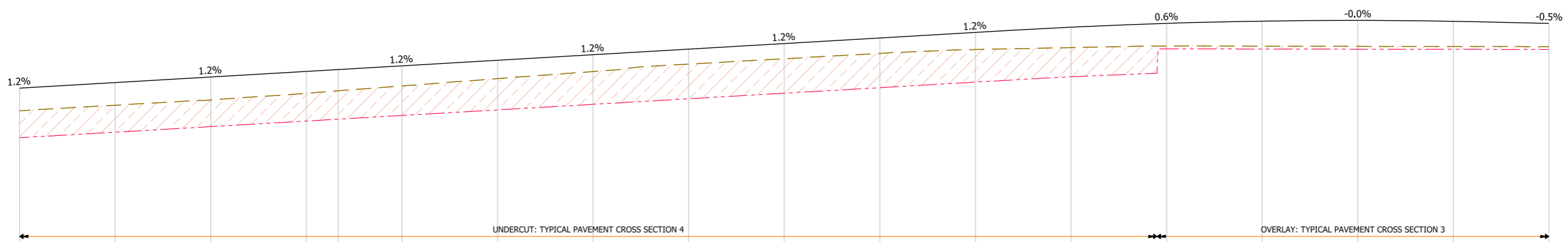
**LEGEND: EXISTING**

- BOUNDARIES
- FENCELINE
- WASTEWATER
- STORMWATER
- POTABLE WATER
- POWER HV (UG)
- POWER HV (OH)
- POWER LV (UG)
- POWER LV (OH)
- CHORUS
- EDGE OF SEAL

**LEGEND: PROPOSED**

- MAJOR CONTOUR
- MINOR CONTOUR
- PAVEMENT EXTENT
- SIDE ROAD OVERLAY
- SWALE
- CUT / FILL / GRASS BERM
- MOUNTABLE K&C w SUBSOIL
- DRIVEWAY, REFER C384
- DRIVEWAY CONCRETE
- FOOTPATH
- PAVEMENT DIGOUT DEPTH
- FENCE RELOCATION
- PAVEMENT TIE-IN, REFER C381
- KERB CUT DOWN, REFER C383

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VERTICAL SCHEMATIC	LONGITUDINAL SECTION: SEAFORTH ROAD																			
HORIZONTAL SCHEMATIC	L=83.40 R=240.00										L=242.71 S 33°09'20" E									
DESIGN LEVELS	2.680	2.738	2.797	2.855	2.913	2.971	3.029	3.088	3.146	3.204	3.262	3.287	3.318	3.358	3.379	3.381	3.388	3.379	3.373	3.357
EXISTING LEVELS	2.442	2.500	2.556	2.625	2.702	2.779	2.853	2.931	2.987	3.043	3.084	3.092	3.104	3.120	3.119	3.118	3.117	3.115	3.115	3.114
CUT / FILL	-0.238	-0.238	-0.241	-0.229	-0.210	-0.192	-0.176	-0.157	-0.159	-0.161	-0.179	-0.195	-0.214	-0.238	-0.260	-0.264	-0.272	-0.263	-0.258	-0.243
CUT TO SUBGRADE	-0.282	-0.282	-0.280	-0.284	-0.310	-0.319	-0.328	-0.336	-0.344	-0.364	-0.363	-0.362	-0.361	-0.360	-0.359	-0.353	-0.341	-0.322	-0.306	-0.294
CHAINAGE	5470.0	5475.0	5480.0	5485.0	5490.0	5495.0	5500.0	5505.0	5510.0	5515.0	5520.0	5522.1	5525.0	5530.0	5534.2	5535.0	5540.0	5545.0	5546.3	5550.0

LONGITUDINAL SECTION: SEAFORTH ROAD  
SCALE HORIZ= 1:125; VERT= 1:25

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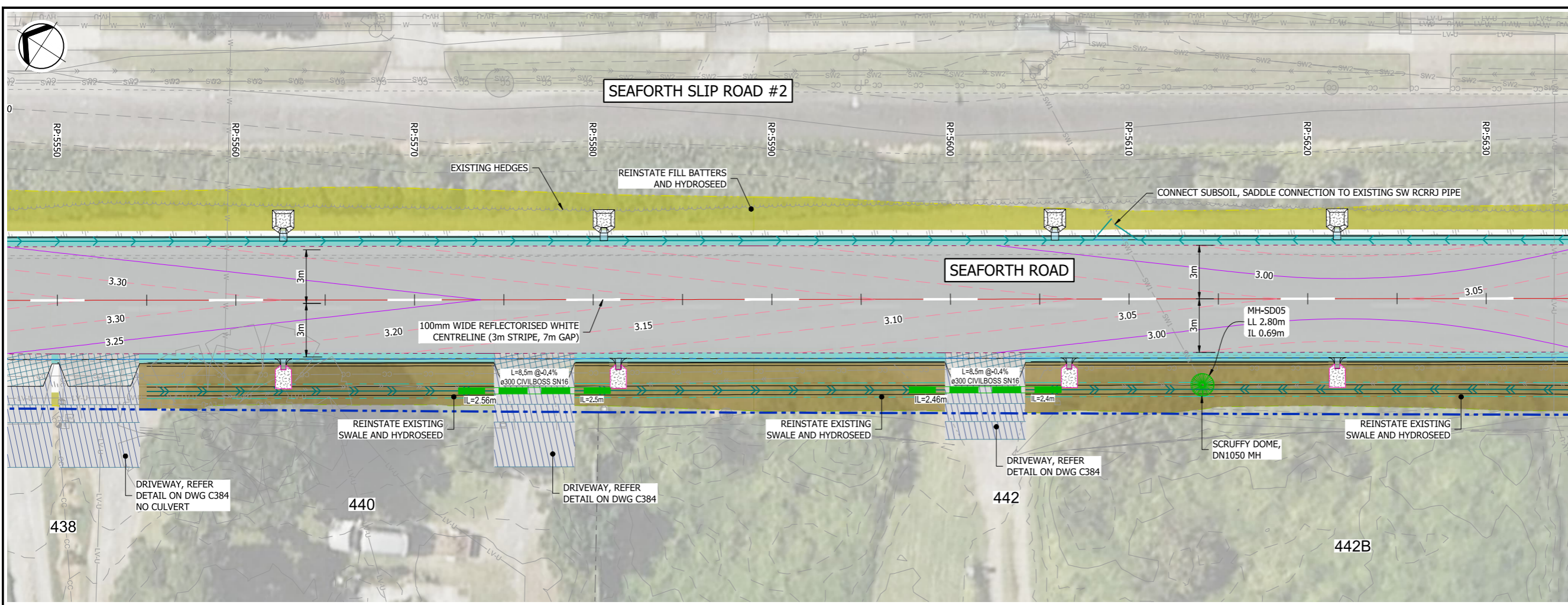


REV.	DESCRIPTION	DATE
0	ISSUE FOR TENDER	29.07.25

SEAFORTH ROAD, BOWENTOWN  
ROAD REHABILITATION  
PROPOSED ROAD LAYOUT SHEET 5

BY	REVIEW	DATE	SCALE	STATUS
DESIGN: JSD	MK	03.02.25	1:125	FOR TENDER
DRAWN: JSD	MK	03.02.25		
APRVD: RST		29.07.25		
PROJECT No:	02-0662	DWG No:	C305	REVISION:
				0

DO NOT SCALE OFF THIS DRAWING. VERIFY ALL DIMENSIONS ON SITE BEFORE COMMENCING ANY WORK.



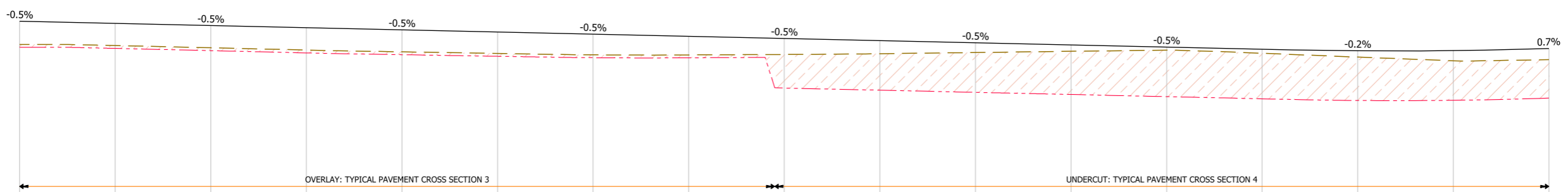
**LEGEND: EXISTING**

- BOUNDARIES
- FENCELINE
- WASTEWATER
- STORMWATER
- POTABLE WATER
- POWER HV (UG)
- POWER HV (OH)
- POWER LV (UG)
- POWER LV (OH)
- CHORUS
- EDGE OF SEAL

**LEGEND: PROPOSED**

- MAJOR CONTOUR
- MINOR CONTOUR
- PAVEMENT EXTENT
- SIDE ROAD OVERLAY
- SWALE
- CUT / FILL / GRASS BERM
- MOUNTABLE K&C w SUBSOIL
- DRIVEWAY, REFER C384
- FOOTWAY CONCRETE
- FOOTPATH
- PAVEMENT DIGOUT DEPTH
- FENCE RELOCATION
- PAVEMENT TIE-IN, REFER C381
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VERTICAL SCHEMATIC																				
HORIZONTAL SCHEMATIC																				
DESIGN LEVELS	3.357	3.334	3.312	3.289	3.267	3.244	3.222	3.199	3.177	3.154	3.132	3.109	3.087	3.064	3.057	3.046	3.047	3.049	3.072	
EXISTING LEVELS	3.114	3.102	3.079	3.055	3.036	3.020	3.005	3.004	3.009	3.017	3.029	3.042	3.054	3.021	3.008	2.982	2.946	2.942	2.954	
CUT / FILL	-0.243	-0.232	-0.233	-0.234	-0.230	-0.225	-0.217	-0.195	-0.168	-0.138	-0.102	-0.067	-0.032	-0.043	0.049	-0.065	0.101	-0.107	-0.118	
CUT TO SUBGRADE	-0.030	-0.030	-0.030	-0.030	-0.030	-0.030	-0.030	-0.030	-0.352	-0.366	-0.382	-0.400	-0.418	-0.435	-0.453	-0.470	-0.485	-0.477	-0.468	
CHAINAGE	5550.0	5555.0	5560.0	5565.0	5570.0	5575.0	5580.0	5585.0	5590.0	5595.0	5600.0	5605.0	5610.0	5615.0	5616.6	5620.0	5624.5	5625.0	5630.0	

LONGITUDINAL SECTION: SEAFORTH ROAD  
SCALE HORIZ= 1:125; VERT= 1:25

1:250 A3 0  
1:125 A4 0  
1:25 0  
75 0  
100 0  
125 0  
150 0  
175 0  
200 0  
225 0  
250 0  
275 0  
300 0  
325 0  
350 0  
375 0  
400 0  
425 0  
450 0  
475 0  
500 0  
525 0  
550 0  
575 0  
600 0  
625 0  
650 0  
675 0  
700 0  
725 0  
750 0  
775 0  
800 0  
825 0  
850 0  
875 0  
900 0  
925 0  
950 0

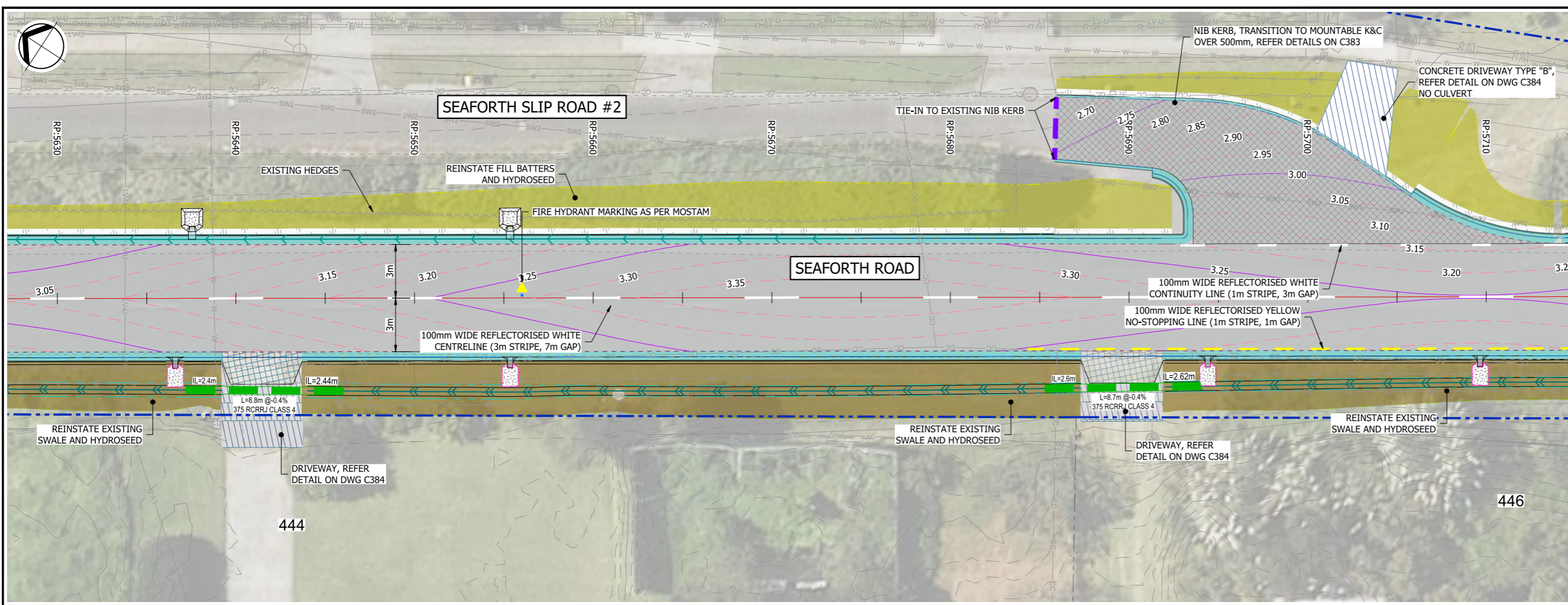
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REV.	DESCRIPTION	DATE
0	ISSUE FOR TENDER	29.07.25

SEAFORTH ROAD, BOWENTOWN  
ROAD REHABILITATION  
PROPOSED ROAD LAYOUT SHEET 6

BY	REVIEW	DATE	SCALE	STATUS
DESIGN: JSD	MK	03.02.25	1:125	FOR TENDER
DRAWN: JSD	MK	03.02.25		
APRVD: RST		29.07.25		
PROJECT No:	02-0662	DWG No:	C306	REVISION:
				0



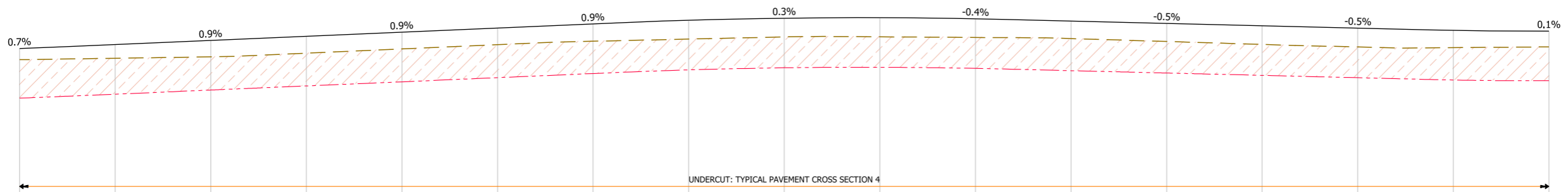
**LEGEND: EXISTING**

- BOUNDARIES
- FENCELINE
- SS WASTEWATER
- SW STORMWATER
- W POTABLE WATER
- P POWER HV (UG)
- HW-O POWER HV (OH)
- LV-U POWER LV (UG)
- LV-O POWER LV (OH)
- CC CHORUS
- - - EDGE OF SEAL

**LEGEND: PROPOSED**

- MAJOR CONTOUR
- MINOR CONTOUR
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- SIDE ROAD OVERLAY
- SWALE
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- DRIVEWAY CONCRETE
- FOOTPATH
- PAVEMENT DIGOUT DEPTH
- FENCE RELOCATION
- PAVEMENT TIE-IN, REFER C381
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CHAINAGE	CUT TO SUBGRADE	CUT / FILL	EXISTING LEVELS	DESIGN LEVELS
5630.0	-0.402	-0.118	2.954	3.072
5632.4	-0.391	-0.129	2.961	3.090
5635.0	-0.376	-0.144	2.969	3.112
	-0.362			
5640.0	-0.348	-0.172	2.984	3.156
5643.4	-0.342			
5645.0	-0.343	-0.177	3.022	3.199
5650.0	-0.344	-0.176	3.067	3.242
5655.0	-0.346	-0.174	3.111	3.286
5660.0	-0.338	-0.182	3.147	3.329
5661.1	0.186	3.152	3.338	
	-0.329			
5665.0	-0.323	-0.197	3.170	3.367
	-0.321			
5670.0	-0.324	-0.196	3.193	3.389
5671.3	0.196	3.196	3.392	
	-0.323			
5675.0	-0.319	-0.201	3.194	3.394
	-0.320			
5680.0	-0.324	-0.196	3.187	3.383
5681.5	0.191	3.186	3.377	
	-0.333			
5685.0	-0.337	-0.183	3.176	3.359
	-0.333			
5690.0	-0.330	-0.190	3.145	3.334
	-0.327			
5695.0	-0.324	-0.196	3.114	3.310
	-0.321			
5700.0	-0.323	-0.197	3.088	3.285
	-0.323			
5703.8	0.189	3.078	3.267	
5705.0	-0.338	-0.182	3.080	3.261
	-0.349			
5709.5	0.166	3.087	3.253	
5710.0	-0.354	-0.166	3.088	3.254

LONGITUDINAL SECTION: SEAFOORTH ROAD  
SCALE HORIZ= 1:125; VERT= 1:25

1:250 A3 0  
1:125 A4 0  
1:25 0  
50 75 100 125 150 175 200 225 250 275 300 325 350 375 400 425 450 475 500 525 550 575 600 625 650 675 700 725 750 775 800 825 850 875 900 925 950

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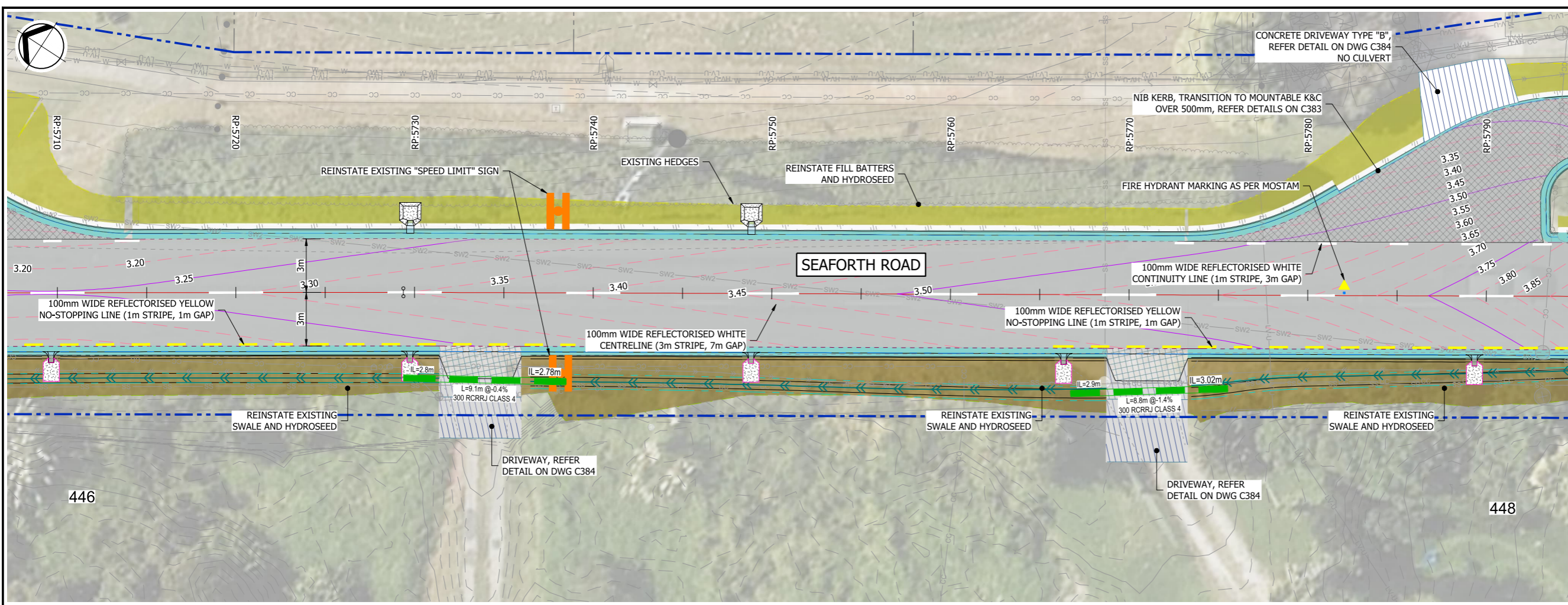
REV.	DESCRIPTION	DATE
0	ISSUE FOR TENDER	29.07.25

SEAFOORTH ROAD, BOWENTOWN  
ROAD REHABILITATION  
PROPOSED ROAD LAYOUT SHEET 7

BY	REVIEW	DATE	SCALE	STATUS
DESIGN: JSD	MK	03.02.25	1:125	FOR TENDER
DRAWN: JSD	MK	03.02.25		
APRVD: RST		29.07.25		

PROJECT No:	02-0662	DWG No:	C307	REVISION:	0
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DO NOT SCALE OFF THIS DRAWING. VERIFY ALL DIMENSIONS ON SITE BEFORE COMMENCING ANY WORK.



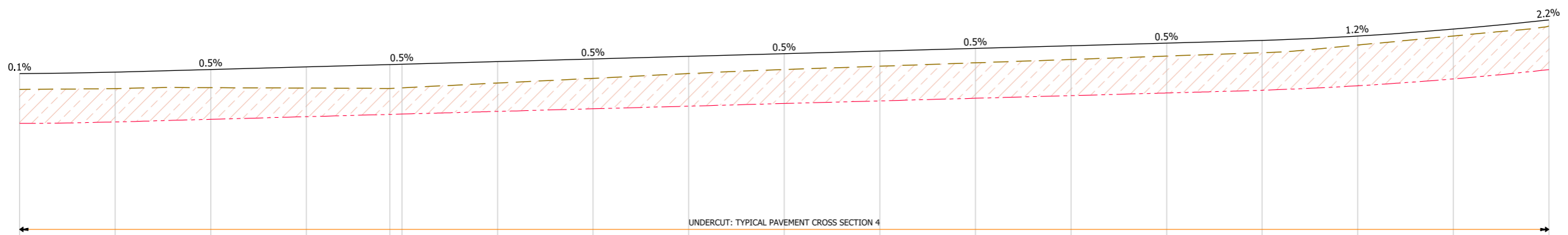
**LEGEND: EXISTING**

- BOUNDARIES
- FENCELINE
- WASTEWATER
- STORMWATER
- POTABLE WATER
- POWER HV (UG)
- POWER HV (OH)
- POWER LV (UG)
- POWER LV (OH)
- CHORUS
- EDGE OF SEAL

**LEGEND: PROPOSED**

- MAJOR CONTOUR
- MINOR CONTOUR
- PAVEMENT EXTENT
- SIDE ROAD OVERLAY
- SWALE
- CUT / FILL / GRASS BERM
- MOUNTABLE K&C w SUBSOIL
- DRIVEWAY, REFER C384
- DRIVEWAY CONCRETE
- FOOTPATH
- PAVEMENT DIGOUT DEPTH
- FENCE RELOCATION
- PAVEMENT TIE-IN, REFER C381
- KERB CUT DOWN, REFER C383

- NOTES:**
- FOR SURVEY & EXISTING SERVICES NOTES REFER TO C1xx SERIES OF DRAWINGS.
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  - ALL WORKS & MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE WBOPDC INFRASTRUCTURE DEVELOPMENT CODE (IDC).
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  - MANHOLE LID LOADING TO BE SUITABLE FOR HN-HO 72 LOADINGS AND STREETWARE COVERS AND CATCHPITS GRILLS TO BE SUITABLE FOR CLASS D TO AS3996-2006 LOADINGS.
  - INSTALLATION OF CATCHPITS/MANHOLES AS PER MANUFACTURERS RECOMMENDATIONS.
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VERTICAL SCHEMATIC	K=11.0 L=11.463		G=0.55% L=58.39												K=10.0 L=26.276							
HORIZONTAL SCHEMATIC	L=242.71 S 33°09'20" E												L=267.46 S 32°53'20" E									
DESIGN LEVELS	3.254	3.254	3.269	3.270	3.296	3.324	3.351	3.379	3.406	3.434	3.461	3.489	3.516	3.544	3.571	3.591	3.600	3.647	3.719	3.750	3.815	
EXISTING LEVELS	3.088	3.088	3.097	3.098	3.107	3.103	3.105	3.155	3.205	3.254	3.296	3.331	3.367	3.402	3.437	3.462	3.472	3.552	3.647	3.647	3.681	3.751
CUT / FILL	-0.166	-0.166	0.172	0.172	-0.190	-0.221	-0.246	-0.224	-0.202	-0.180	-0.165	-0.157	-0.150	-0.142	-0.134	-0.129	-0.128	-0.095	-0.071	-0.069	-0.064	-0.064
CUT TO SUBGRADE	-0.354	-0.354	-0.348	-0.345	-0.330	-0.315	-0.299	-0.283	-0.274	-0.285	-0.296	-0.307	-0.318	-0.330	-0.340	-0.350	-0.359	-0.366	-0.370	-0.374	-0.378	-0.382
CHAINAGE	5710.0	5715.0	5715.2	5720.0	5725.0	5730.0	5735.0	5740.0	5745.0	5750.0	5755.0	5760.0	5765.0	5770.0	5773.6	5775.0	5780.0	5785.0	5786.8	5790.0	5790.0	

LONGITUDINAL SECTION: SEAFORTH ROAD  
SCALE HORIZ= 1:125; VERT= 1:25

1:250 A3 0 25 50 75 100 125 150 175 200 225 250 275 300 325 350 375 400 425 450 475 500 525 550 575 600 625 650 675 700 725 750 775 800 825 850 875 900 925 950 975 1000

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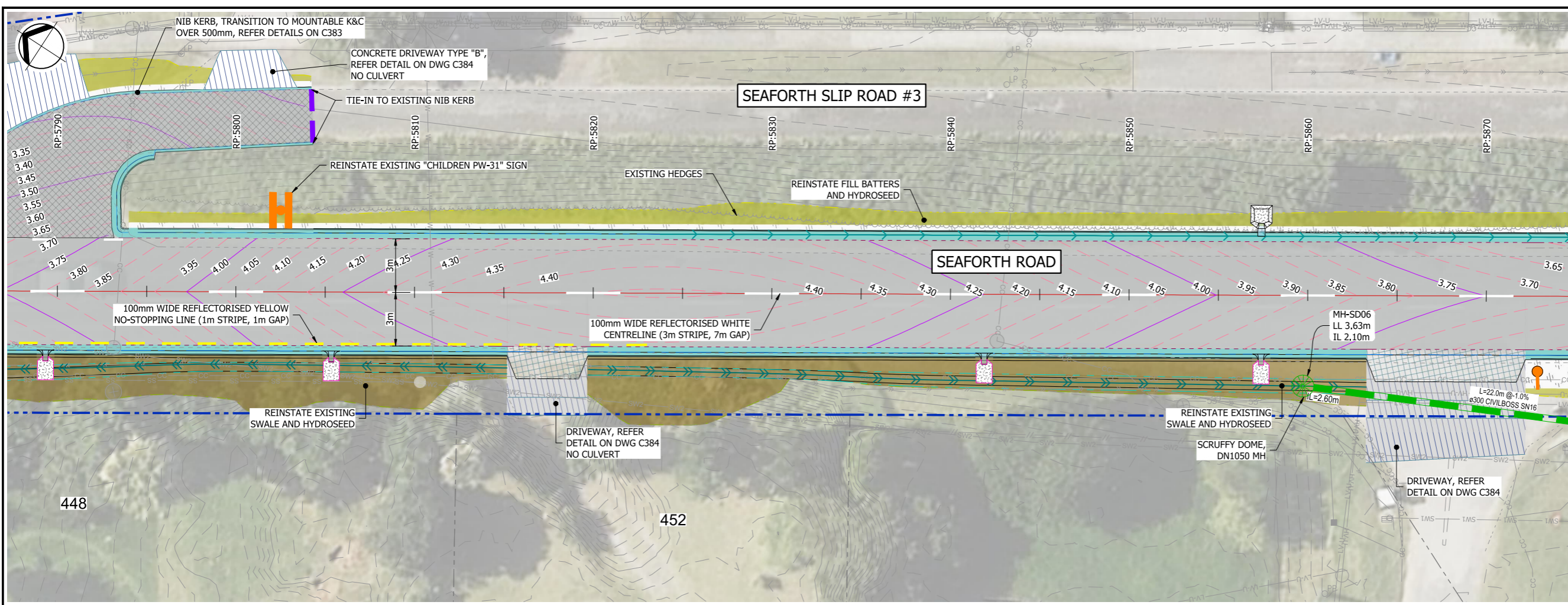


REV.	DESCRIPTION	DATE
0	ISSUE FOR TENDER	29.07.25

SEAFORTH ROAD, BOWENTOWN  
ROAD REHABILITATION  
PROPOSED ROAD LAYOUT SHEET 8

DESIGN	BY	REVIEW	DATE	SCALE	STATUS
JSD	JSD	MK	03.02.25	1:125	FOR TENDER
DRAWN	JSD	MK	03.02.25		
APRVD:	RST		29.07.25		

PROJECT No:	02-0662	DWG No:	C308	REVISION:	0
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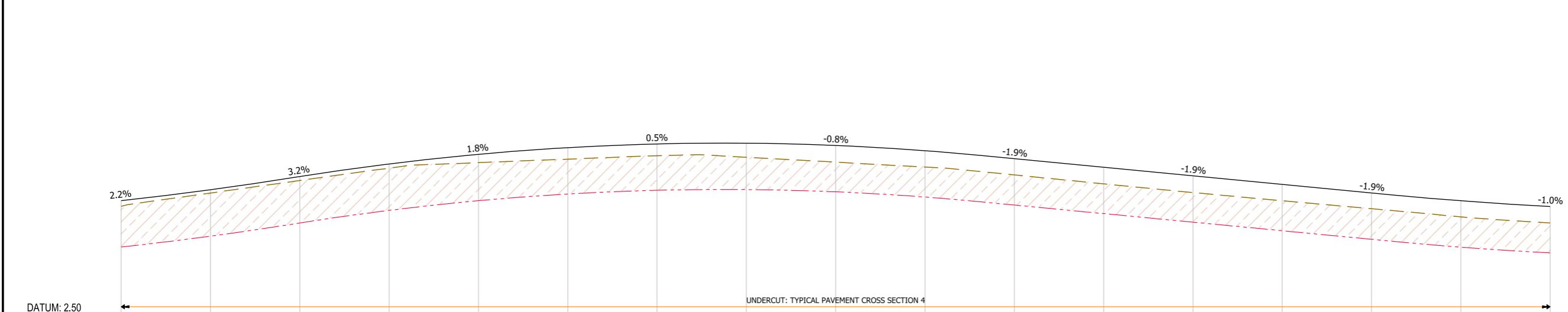
**LEGEND: EXISTING**

- BOUNDARIES
- - - FENCELINE
- SS SS WASTEWATER
- SW SW STORMWATER
- W W POTENTIAL WATER
- P P POWER HV (UG)
- HV-O POWER HV (OH)
- LV-U POWER LV (UG)
- LV-O POWER LV (OH)
- CC CC CHORUS
- - - EDGE OF SEAL

**LEGEND: PROPOSED**

- MAJOR CONTOUR
- MINOR CONTOUR
- PAVEMENT EXTENT
- SIDE ROAD OVERLAY
- SWALE
- CUT / FILL / GRASS BERM
- MOUNTABLE K&C w SUBSOIL
- DRIVEWAY, REFER C384
- DRIVEWAY CONCRETE
- FOOTPATH
- PAVEMENT DIGOUT DEPTH
- FENCE RELOCATION
- PAVEMENT TIE-IN, REFER C381
- KERB CUT DOWN, REFER C383

- NOTES:**
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DATUM: 2.50

UNDERCUT: TYPICAL PAVEMENT CROSS SECTION 4

VERTICAL SCHEMATIC	K=10.0 L=26.276		K=7.5 L=38.22		G=-1.92% L=22.95		K=10.0 L=11.716	
DESIGN LEVELS	3.815	3.937	4.081	4.226	4.433	4.094	3.998	3.750
EXISTING LEVELS	3.751	3.900	4.037	4.179	4.246	3.906	3.814	3.566
CUT / FILL	0.064	-0.037	0.044	-0.047	-0.187	-0.188	-0.183	-0.184
CUT TO SUBGRADE	-0.456	-0.483	-0.476	-0.472	-0.333	-0.332	-0.337	-0.336
CHAINAGE	5790.0	5795.0	5799.9	5805.0	5810.0	5815.0	5820.0	5825.0

LONGITUDINAL SECTION: SEAFORTH ROAD  
SCALE HORIZ= 1:125; VERT= 1:25

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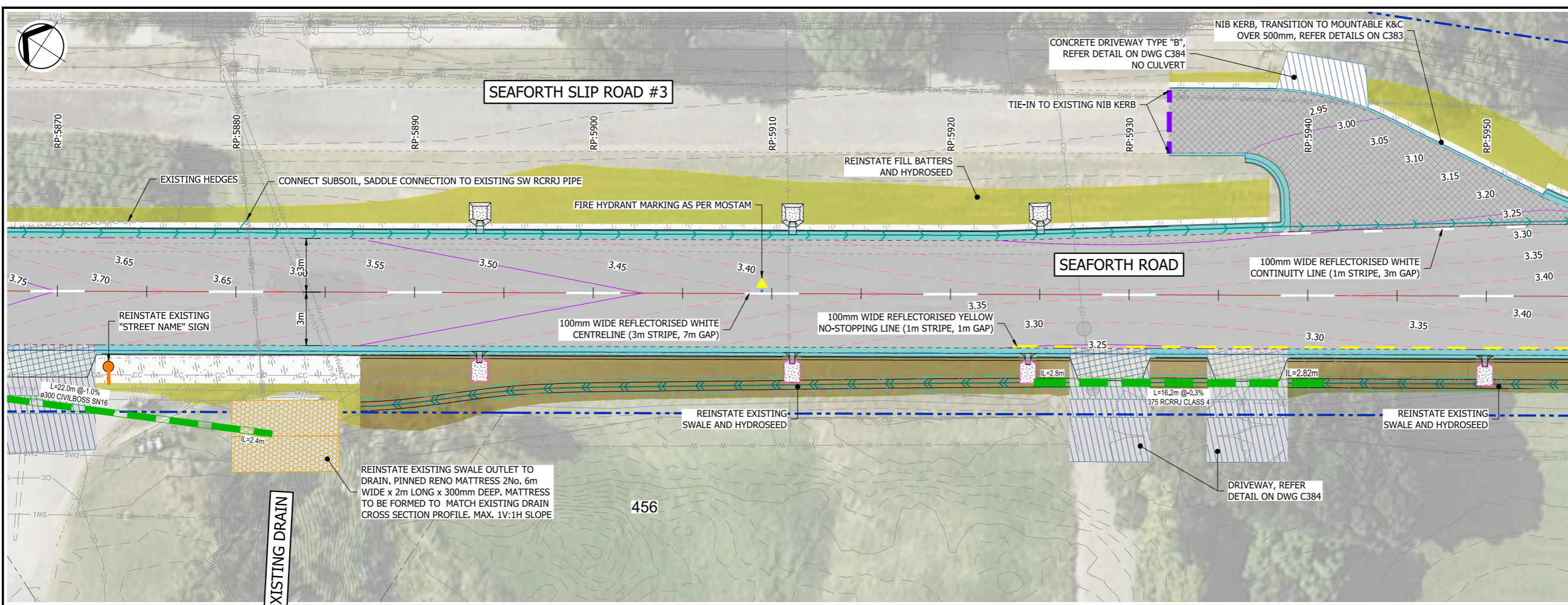


REV.	DESCRIPTION	DATE
0	ISSUE FOR TENDER	29.07.25

SEAFORTH ROAD, BOWENTOWN  
ROAD REHABILITATION  
PROPOSED ROAD LAYOUT SHEET 9

BY	REVIEW	DATE	SCALE	STATUS
DESIGN: JSD	MK	03.02.25	1:125	FOR TENDER
DRAWN: JSD	MK	03.02.25		
APRVD: RST		29.07.25		

PROJECT No:	02-0662
DWG No:	C309
REVISION:	0



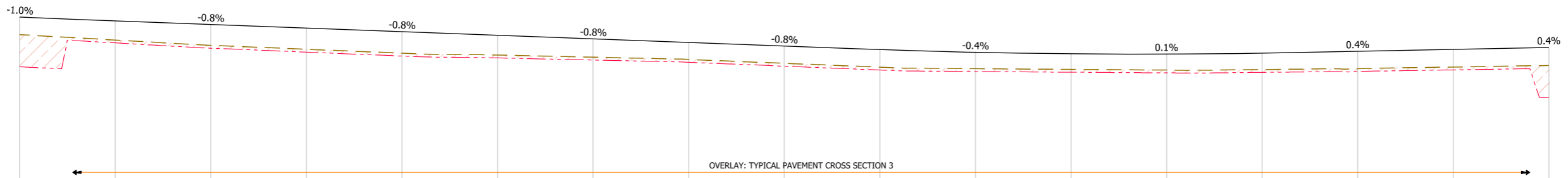
**LEGEND: EXISTING**

- BOUNDARIES
- FENCELINE
- SS --- WASTEWATER
- SW --- STORMWATER
- W --- POTABLE WATER
- P --- POWER HV (UG)
- HW-O --- POWER HV (OH)
- LV-U --- POWER LV (UG)
- LV-O --- POWER LV (OH)
- CC --- CHORUS
- - - EDGE OF SEAL

**LEGEND: PROPOSED**

- MAJOR CONTOUR
- MINOR CONTOUR
- PAVEMENT EXTENT
- SIDE ROAD OVERLAY
- SWALE
- CUT / FILL / GRASS BERM
- MOUNTABLE K&C w SUBSOIL
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- DRIVEWAY CONCRETE
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VERTICAL SCHEMATIC	K=10.0 L=11.716		G=-0.75% L=40.91										K=20.0 L=23.011		G=0.40% L=61.05							
HORIZONTAL SCHEMATIC	L=267.46 S 32°53'20" E																					
DESIGN LEVELS	3.750	3.750	3.725	3.708	3.671	3.633	3.596	3.558	3.521	3.483	3.446	3.418	3.409	3.381	3.365	3.365	3.362	3.372	3.378	3.391	3.411	3.431
EXISTING LEVELS	3.566	3.534	3.509	3.454	3.413	3.372	3.352	3.330	3.307	3.266	3.236	3.226	3.210	3.196	3.163	3.163	3.196	3.201	3.205	3.210	3.227	3.243
CUT / FILL	-0.184	0.191	-0.200	-0.217	-0.221	-0.224	-0.206	-0.191	-0.177	-0.180	0.182	-0.183	-0.170	-0.167	-0.030	-0.030	-0.167	-0.171	0.173	-0.181	-0.184	-0.188
CUT TO SUBGRADE	-0.336	-0.030	-0.030	-0.030	-0.030	-0.030	-0.030	-0.030	-0.030	-0.030	-0.030	-0.030	-0.030	-0.030	-0.030	-0.030	-0.030	-0.030	-0.030	-0.030	-0.030	-0.332
CHAINAGE	5870.0	5872.8	5875.0	5880.0	5885.0	5890.0	5895.0	5900.0	5905.0	5910.0	5913.7	5915.0	5920.0	5925.0	5925.2	5930.0	5935.0	5936.7	5940.0	5945.0	5950.0	

LONGITUDINAL SECTION: SEAFORTH ROAD  
SCALE HORIZ= 1:125; VERT= 1:25

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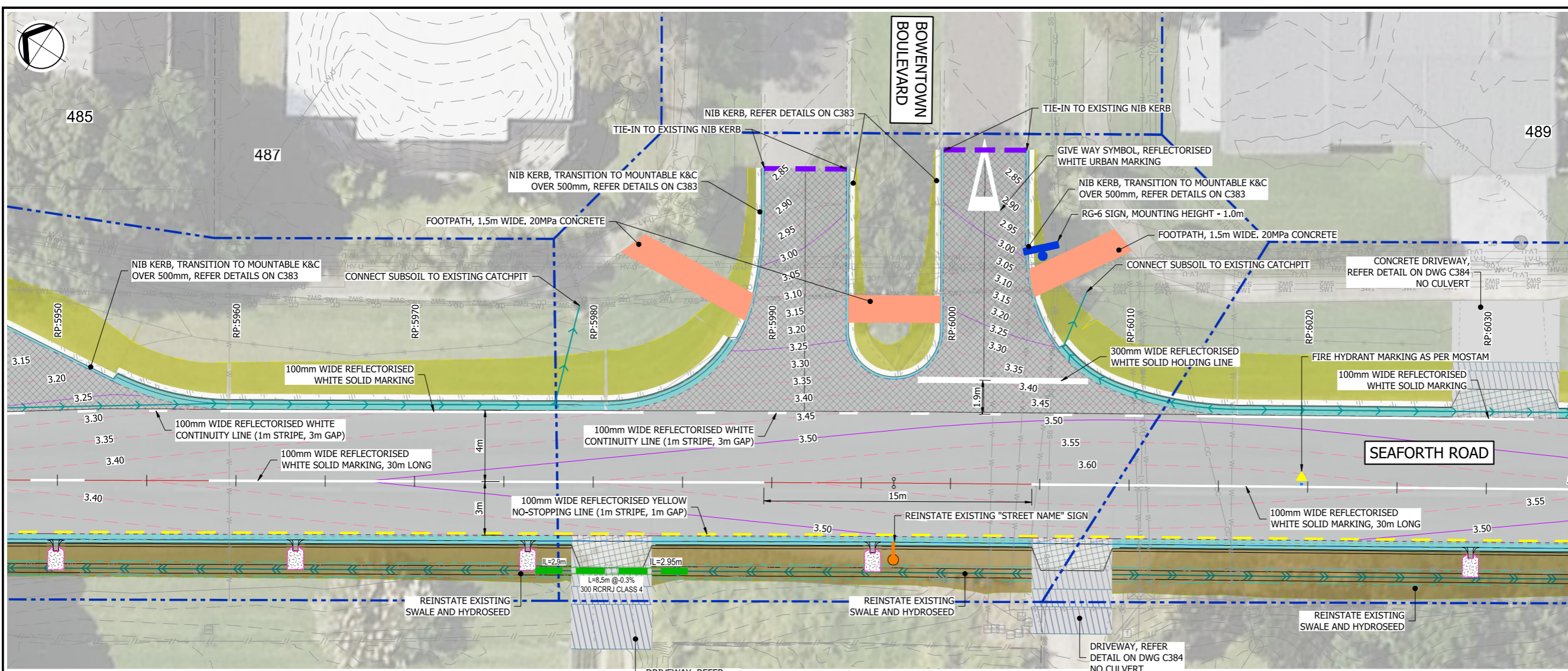


REV.	DESCRIPTION	DATE
0	ISSUE FOR TENDER	29.07.25

SEAFORTH ROAD, BOWENTOWN  
ROAD REHABILITATION  
PROPOSED ROAD LAYOUT SHEET 10

DESIGN: JSD MK	DATE: 03.02.25	SCALE: 1:125	STATUS: FOR TENDER
DRAWN: JSD MK	DATE: 03.02.25	PROJECT No: 02-0662	DWG No: C310
APRVD: RST	DATE: 29.07.25	REVISION: 0	

DO NOT SCALE OFF THIS DRAWING. VERIFY ALL DIMENSIONS ON SITE BEFORE COMMENCING ANY WORK.



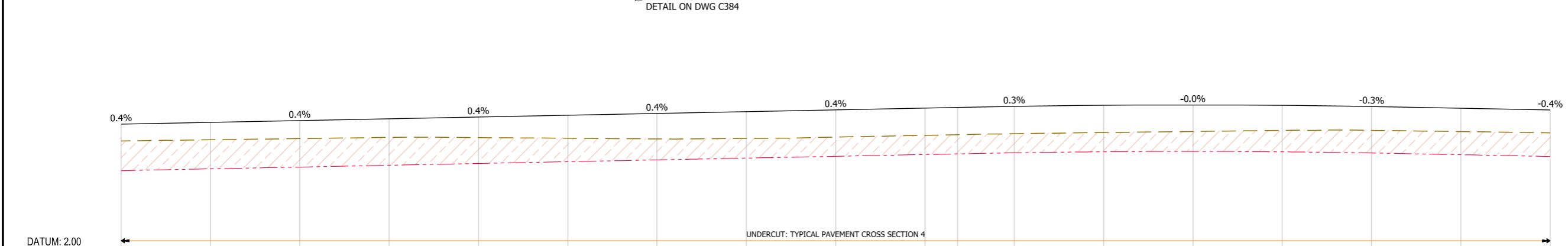
**LEGEND: EXISTING**

- BOUNDARIES
- == FENCELINE
- SS WASTEWATER
- SW STORMWATER
- W POTABLE WATER
- P POWER HV (UG)
- HV-O POWER HV (OH)
- LV-U POWER LV (UG)
- LV-O POWER LV (OH)
- CC CHORUS
- - - - - EDGE OF SEAL

**LEGEND: PROPOSED**

- MAJOR CONTOUR
- MINOR CONTOUR
- PAVEMENT EXTENT
- SIDE ROAD OVERLAY
- SWALE
- CUT / FILL / GRASS BERM
- MOUNTABLE K&C w SUBSOIL
- DRIVEWAY, REFER C384
- DRIVEWAY CONCRETE
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CHAINAGE	CUT TO SUBGRADE	CUT / FILL	EXISTING LEVELS	DESIGN LEVELS
5950.0	-0.332	-0.188	3.243	3.431
5955.0	-0.325	-0.195	3.256	3.451
5960.0	-0.319	-0.201	3.270	3.471
5965.0	-0.313	-0.207	3.284	3.491
5970.0	-0.290	-0.230	3.281	3.511
5975.0	-0.276	-0.257	3.274	3.531
5980.0	-0.235	-0.285	3.266	3.551
5985.0	-0.220	-0.300	3.271	3.571
5990.0	-0.216	-0.304	3.287	3.591
5995.0	-0.215	-0.305	3.306	3.611
5997.7	-0.215	-0.305	3.317	3.622
6000.0	-0.214	-0.306	3.324	3.630
6005.0	-0.215	-0.305	3.337	3.642
6009.7	-0.223	-0.297	3.349	3.646
6010.0	-0.223	-0.297	3.349	3.646
6015.0	-0.240	-0.280	3.361	3.641
6020.0	-0.254	-0.266	3.362	3.628
6021.7	-0.265	-0.265	3.357	3.622
6025.0	-0.259	-0.261	3.348	3.609
6030.0	-0.266	-0.254	3.335	3.589

LONGITUDINAL SECTION: SEAFORTH ROAD  
SCALE HORIZ= 1:125; VERT= 1:25

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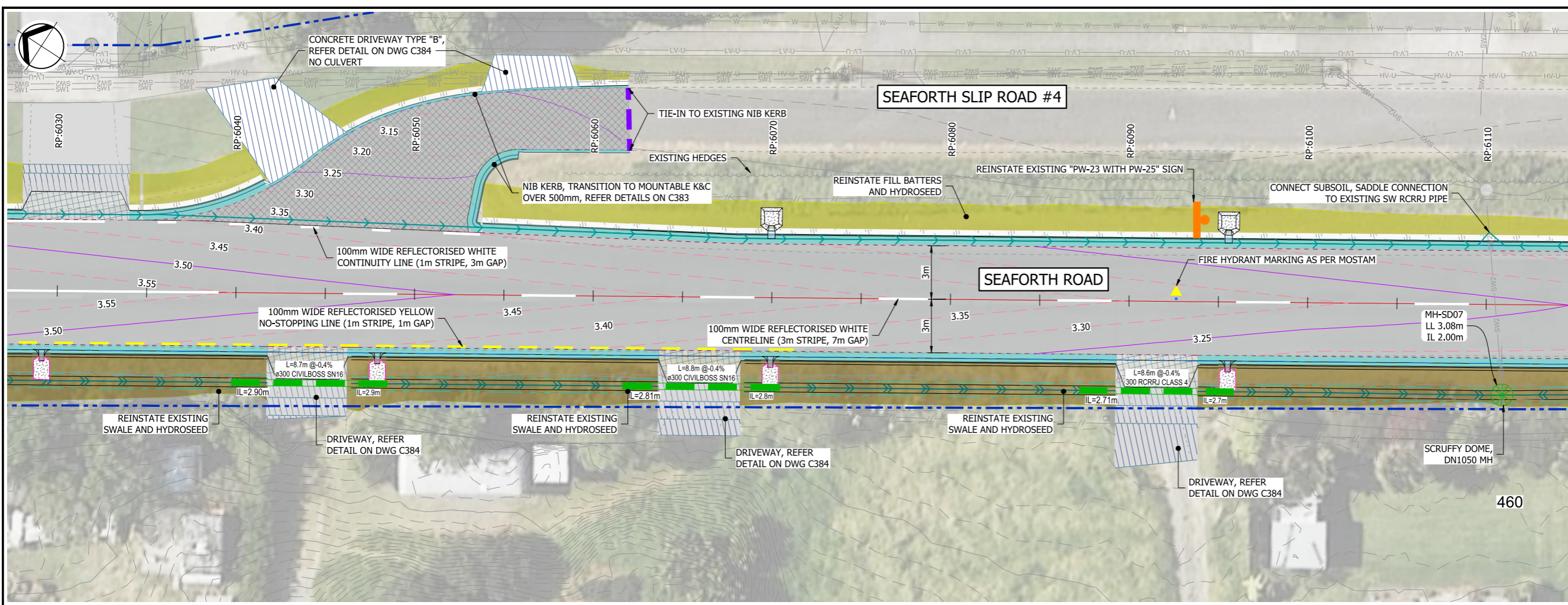


REV.	DESCRIPTION	DATE
0	ISSUE FOR TENDER	29.07.25

SEAFORTH ROAD, BOWENTOWN  
ROAD REHABILITATION  
PROPOSED ROAD LAYOUT SHEET 11

BY	REVIEW	DATE	SCALE	STATUS
DESIGN: JSD	MK	03.02.25	1:125	FOR TENDER
DRAWN: JSD	MK	03.02.25		
APRVD: RST		29.07.25		

PROJECT No:	02-0662	DWG No:	C311	REVISION:	0
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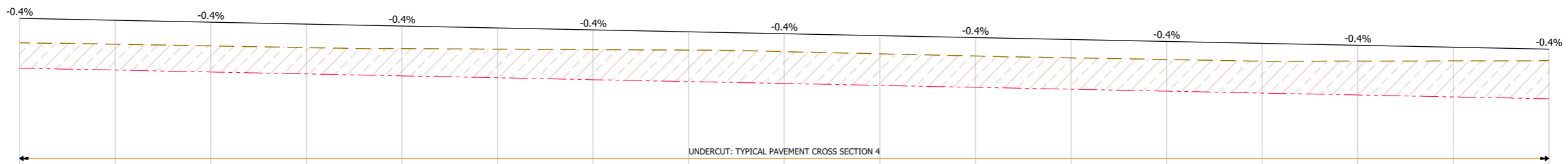
**LEGEND: EXISTING**

- BOUNDARIES
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- WASTEWATER
- STORMWATER
- POTABLE WATER
- POWER HV (UG)
- POWER HV (OH)
- POWER LV (UG)
- POWER LV (OH)
- CHORUS
- EDGE OF SEAL

**LEGEND: PROPOSED**

- MAJOR CONTOUR
- MINOR CONTOUR
- PAVEMENT EXTENT
- SIDE ROAD OVERLAY
- SWALE
- CUT / FILL / GRASS BERM
- MOUNTABLE K&C w SUBSOIL
- DRIVEWAY, REFER C384
- DRIVEWAY CONCRETE
- FOOTPATH
- PAVEMENT DIGOUT DEPTH
- FENCE RELOCATION
- PAVEMENT TIE-IN, REFER C381
- KERB CUT DOWN, REFER C383

- NOTES:**
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  - THESE DRAWINGS TO BE READ WITH ALL OTHER DRAWINGS, CONTRACT DOCUMENTS AND SPECIFICATIONS. IF THE CONTRACTOR FINDS ANY INCONSISTENCY, ERROR OR OMISSION IN THE DOCUMENTS, OR BETWEEN DOCUMENTS, THE ENGINEER DRAWINGS MUST BE NOTIFIED.
  - ALL WORKS & MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE WBOPDC INFRASTRUCTURE DEVELOPMENT CODE (IDC).
  - REINSTATE EXISTING PAINT MARKING. ALL MARKING & SIGNS TO COMPLY WITH THE REQUIREMENTS OF NZTA MANUAL OF TRAFFIC SIGNS & MARKINGS PART 2.
  - THE CONTRACTOR SHALL SPOT MARK ALL PROPOSED ROAD MARKINGS ON SITE FOR VERIFICATION BY THE ENGINEER, PRIOR TO SPRAYING NEW MARKINGS.
  - ALL SIGN WORKS SHALL COMPLY WITH THE LATEST NZTA MANUAL OF TRAFFIC SIGNS AND MARKINGS (MOTSAM) PART 1: TRAFFIC SIGNS.
  - REINSTATE EXISTING SIGNS. OUTER EXTENT OF ALL SIGNS SHALL BE MIN. 500mm FROM BACK OF KERB. ALL SIGN MUST HAVE UNINTERRUPTED VIEW OF THE SIGNS AT LEAST 120m WHERE POSSIBLE. FINAL LOCATION TO BE CONFIRMED ON SITE.
  - THE CONTRACTOR SHALL PROVIDE TRENCH SUPPORT TO COMPLY WITH THE GUIDELINES AND REQUIREMENTS OF WORKSAFE NZ. THE CONTRACTOR SHALL ENSURE THAT THE SIDES OF THE TRENCH ARE SUFFICIENTLY SUPPORTED SO THAT CRACKING OF THE SURROUNDING GROUND DOES NOT OCCUR.
  - MANHOLE LID LOADING TO BE SUITABLE FOR HN-HO 72 LOADINGS AND STREETWARE COVERS AND CATCHPITS GRILLS TO BE SUITABLE FOR CLASS D TO AS3996-2006 LOADINGS.
  - INSTALLATION OF CATCHPITS/MANHOLES AS PER MANUFACTURERS RECOMMENDATIONS. WHERE THE CONTRACTOR ENCOUNTERS/ EXPOSES EXISTING SERVICES AND/OR ANY DAMAGE DONE TO THE SERVICES SHALL BE REPAIRED, BACKFILL THE TRENCHES TO THE DETAIL AS PER WBOPDC IDC AND BE APPROVED BY THE SERVICE PROVIDER/ASSET OWNER.



VERTICAL SCHEMATIC	G = -0.40% L = 94.82																
HORIZONTAL SCHEMATIC	L = 172.70 S 32°32'40" E																
DESIGN LEVELS	3.589	3.569	3.549	3.529	3.509	3.489	3.469	3.449	3.429	3.409	3.389	3.369	3.349	3.329	3.309	3.289	3.269
EXISTING LEVELS	3.335	3.319	3.302	3.284	3.274	3.269	3.263	3.258	3.242	3.219	3.196	3.177	3.159	3.143	3.143	3.144	3.149
CUT / FILL	0.254	0.250	0.247	0.245	0.235	0.220	0.206	0.191	0.187	0.190	0.193	0.192	0.190	0.188	0.166	0.145	0.120
CUT TO SUBGRADE	-0.266	-0.270	-0.271	-0.275	-0.276	-0.300	-0.307	-0.314	-0.322	-0.329	-0.327	-0.327	-0.330	-0.332	-0.354	-0.364	-0.386
CHAINAGE	6030.0	6035.0	6040.0	6045.0	6050.0	6055.0	6060.0	6065.0	6070.0	6075.0	6080.0	6085.0	6090.0	6095.0	6100.0	6105.0	6110.0

LONGITUDINAL SECTION: SEAFORTH ROAD  
SCALE HORIZ= 1:125; VERT= 1:25

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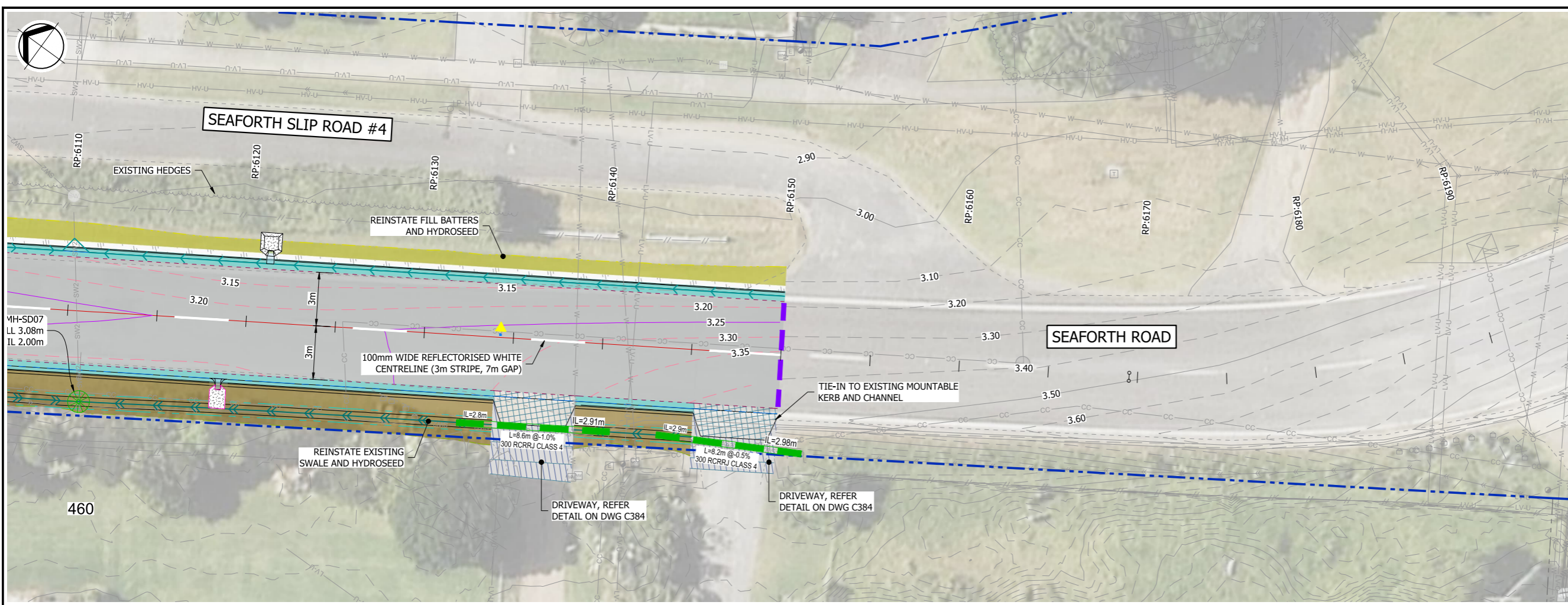


REV.	DESCRIPTION	DATE
0	ISSUE FOR TENDER	29.07.25

SEAFORTH ROAD, BOWENTOWN  
ROAD REHABILITATION  
PROPOSED ROAD LAYOUT SHEET 12

BY	REVIEW	DATE	SCALE	STATUS
DESIGN: JSD	MK	03.02.25	1:125	FOR TENDER
DRAWN: JSD	MK	03.02.25		
APRVD: RST		29.07.25		

PROJECT No:	02-0662
DWG No:	C312
REVISION:	0



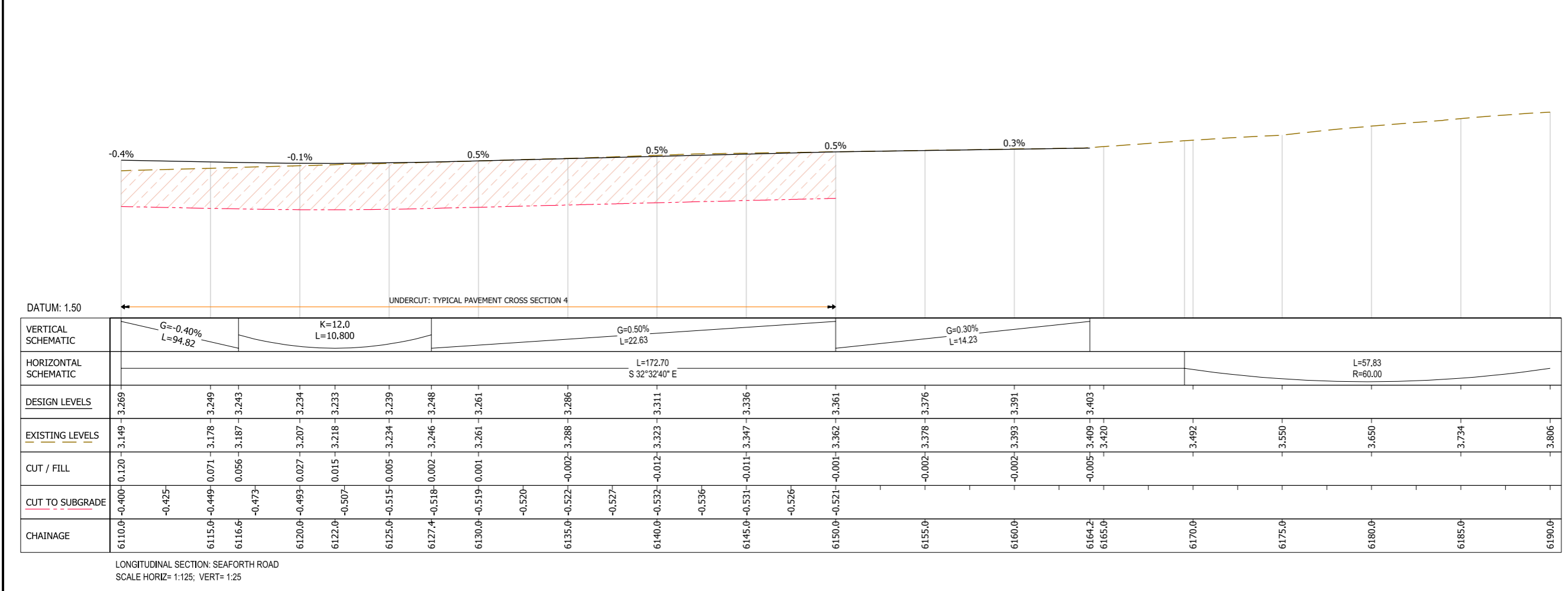
**LEGEND: EXISTING**

- BOUNDARIES
- FENCELINE
- WASTEWATER
- STORMWATER
- POTABLE WATER
- POWER HV (UG)
- POWER HV (OH)
- POWER LV (UG)
- POWER LV (OH)
- CHORUS
- EDGE OF SEAL

**LEGEND: PROPOSED**

- MAJOR CONTOUR
- MINOR CONTOUR
- PAVEMENT EXTENT
- SIDE ROAD OVERLAY
- SWALE
- CUT / FILL / GRASS BERM
- MOUNTABLE K&C w SUBSOIL
- DRIVEWAY, REFER C384
- DRIVEWAY CONCRETE
- FOOTPATH
- PAVEMENT DIGOUT DEPTH
- FENCE RELOCATION
- PAVEMENT TIE-IN, REFER C381
- KERB CUT DOWN, REFER C383

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**Pinnacles Civil**

**Western Bay of Plenty District Council**

**SEAFORTH ROAD, BOWENTOWN**  
**ROAD REHABILITATION**  
**PROPOSED ROAD LAYOUT SHEET 13**

BY	REVIEW	DATE	SCALE	STATUS
DESIGN	JSD	MK	03.02.25	<b>FOR TENDER</b>
DRAWN	JSD	MK	03.02.25	
APRVD	RST	29.07.25		
PROJECT No:		02-0662		
DWG No:		C313		
REVISION		0		

DO NOT SCALE OFF THIS DRAWING. VERIFY ALL DIMENSIONS ON SITE BEFORE COMMENCING ANY WORK.