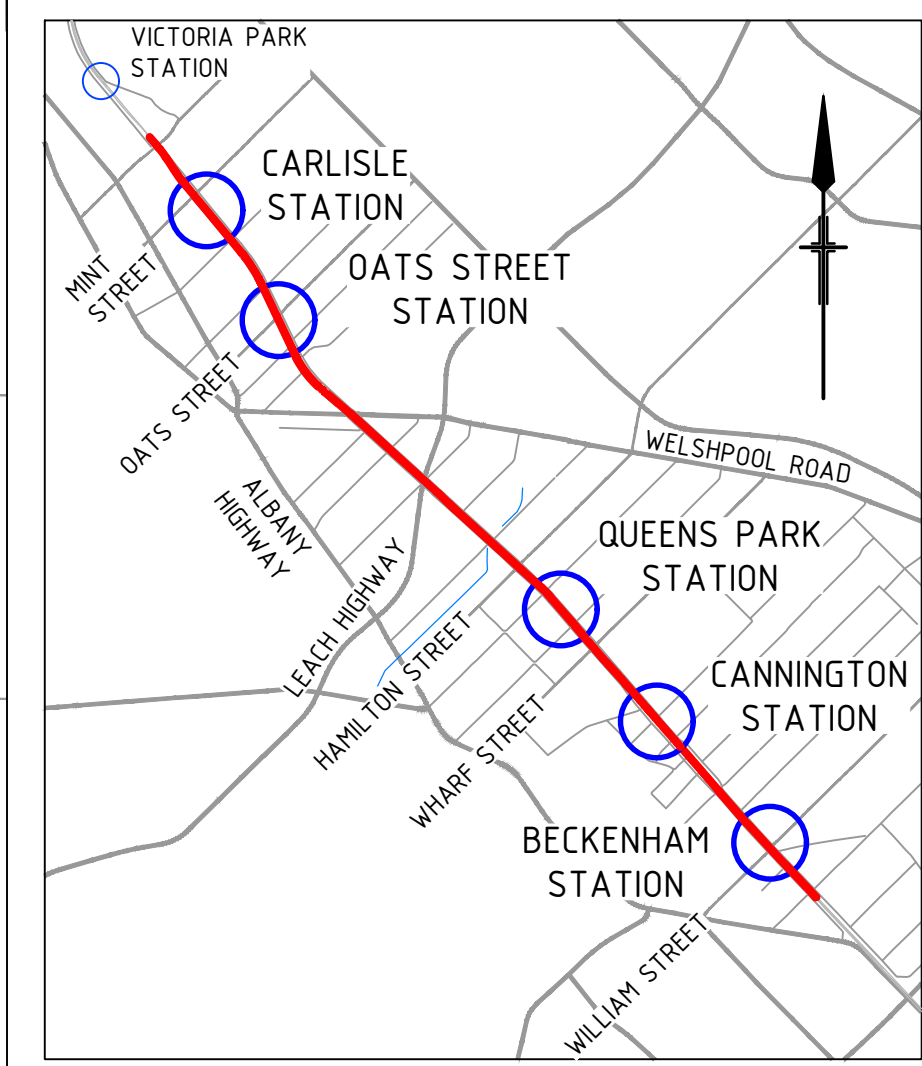
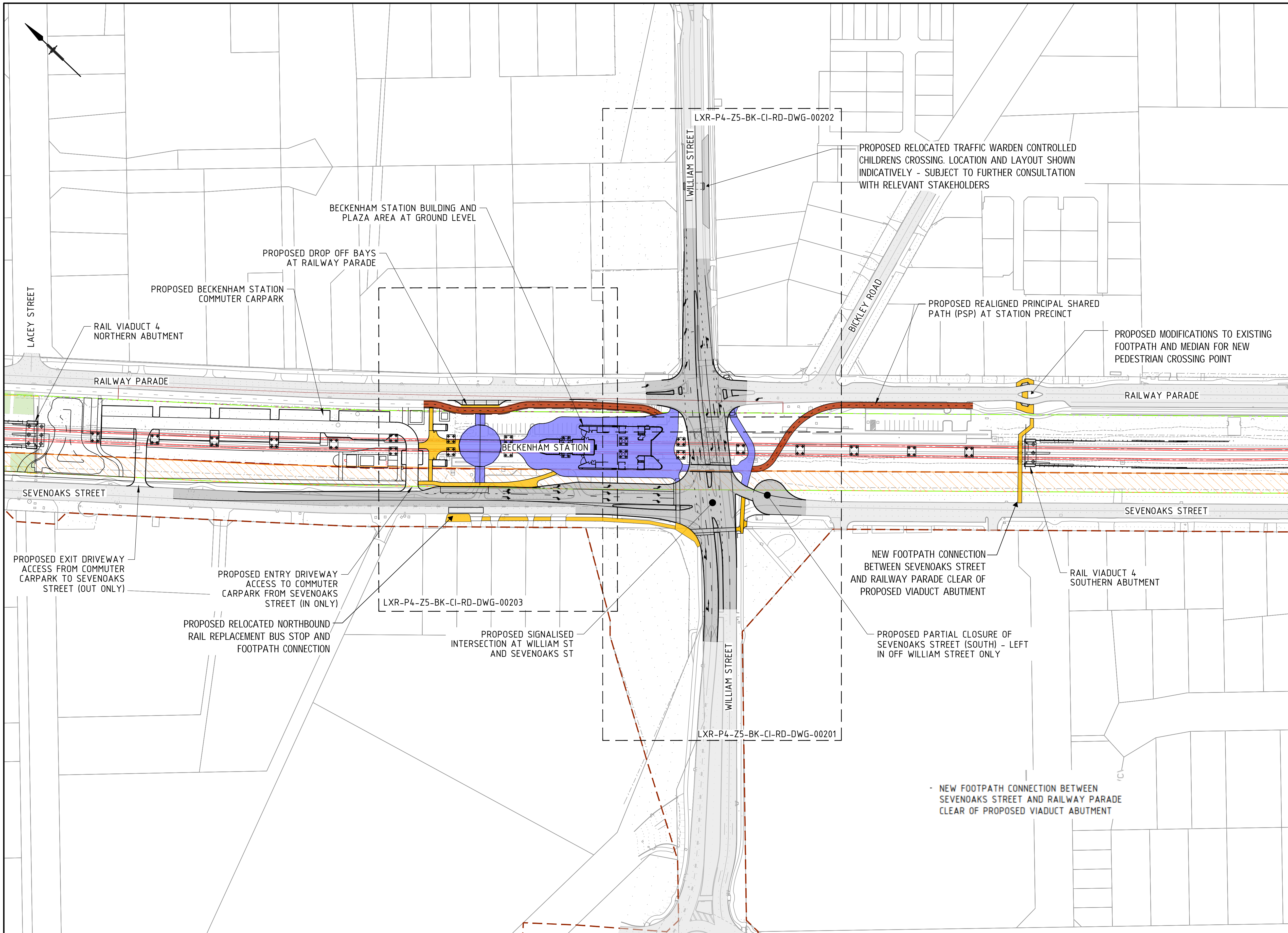


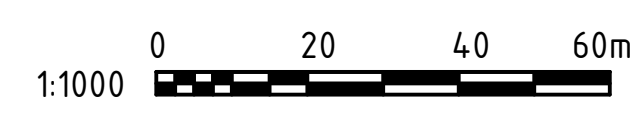
Appendix O – Roads and Drainage General Arrangement Plans prepared by ALUA



LOCALITY PLAN

- NOTES**
- FOR GENERAL NOTES AND LEGEND REFER TO DRAWING LXR-PW-Z0-GN-CI-RD-DWG-00004
 - REFER TO DESIGN MODEL FOR BARRIER SETOUT. SETOUT POINTS ARE TO THE FACE OF BARRIER
 - FOR KERB TYPE DETAILS REFER TO MRWA STD. DRG No. 9331-0376.
 - FOR VERGE AND RAIL CORRIDOR DETAILS REFER TO CIVIL CORRIDOR AND LANDSCAPE DESIGN PACKAGES.
 - FOR STATION PLAZA DETAILS REFER TO STATIONS PACKAGE.
 - FOR DRAINAGE DETAILS REFER TO CIVIL ROADS DRAINAGE DRAWINGS.
 - SERVICES SHOWN ON PLANS ARE INDICATIVE ONLY. ALL SERVICES ARE TO BE LOCATED AND DEPTHD PRIOR TO CONSTRUCTION
 - FOR SERVICE IMPACT ASSESSMENT AND RELOCATION DETAILS REFER TO CIVIL CORRIDOR PACKAGE.

- LEGEND**
- LAND RESUMPTION
 - CADASTRAL BOUNDARY
 - MRS BOUNDARY
 - RAIL RESERVE BOUNDARY
 - PROPOSED ROAD REFERENCE LINE
 - PROPOSED RETAINING WALL
 - PROPOSED NOISE WALL
 - EXISTING ARMADALE PASSENGER RAIL
 - PROPOSED ARMADALE PASSENGER RAIL
 - PROPOSED MONOWILL FENCING
 - PROPOSED 1800 HIGH SECURITY FENCE
 - PROPOSED 1400 HIGH CHAINWIRE FENCE
 - FUTURE RAIL RESERVE BOUNDARY
 - FUTURE ULTIMATE DESIGN
 - EXISTING W-BEAM BARRIER TO BE REMOVED
 - QUADGUARD TERMINAL QN12606Y OR SIMILAR
 - TL4 CONCRETE BARRIER
 - PROPOSED FENCING
 - EXISTING FENCING
 - PROPOSED GULLY PIT / SIDE ENTRY PIT
 - PROPOSED STREET LIGHT
 - TRAFFIC SIGNAL POLE
 - PEDESTRIAN RAMP WITH TGS
 - EXISTING ROAD CARRIAGEWAY
 - PROPOSED ROAD CARRIAGEWAY
 - PROPOSED PRINCIPAL SHARED PATH (PSP)
 - PROPOSED FOOTPATH
 - PROPOSED HARD LANDSCAPING



REFERENCE DESIGN

Government of Western Australia
Public Transport Authority

VICTORIA PARK TO CANNING
LEVEL CROSSING REMOVAL

ARMADALE LINE - ROAD
BECKENHAM STATION - PACKAGE 4
OVERALL PLAN

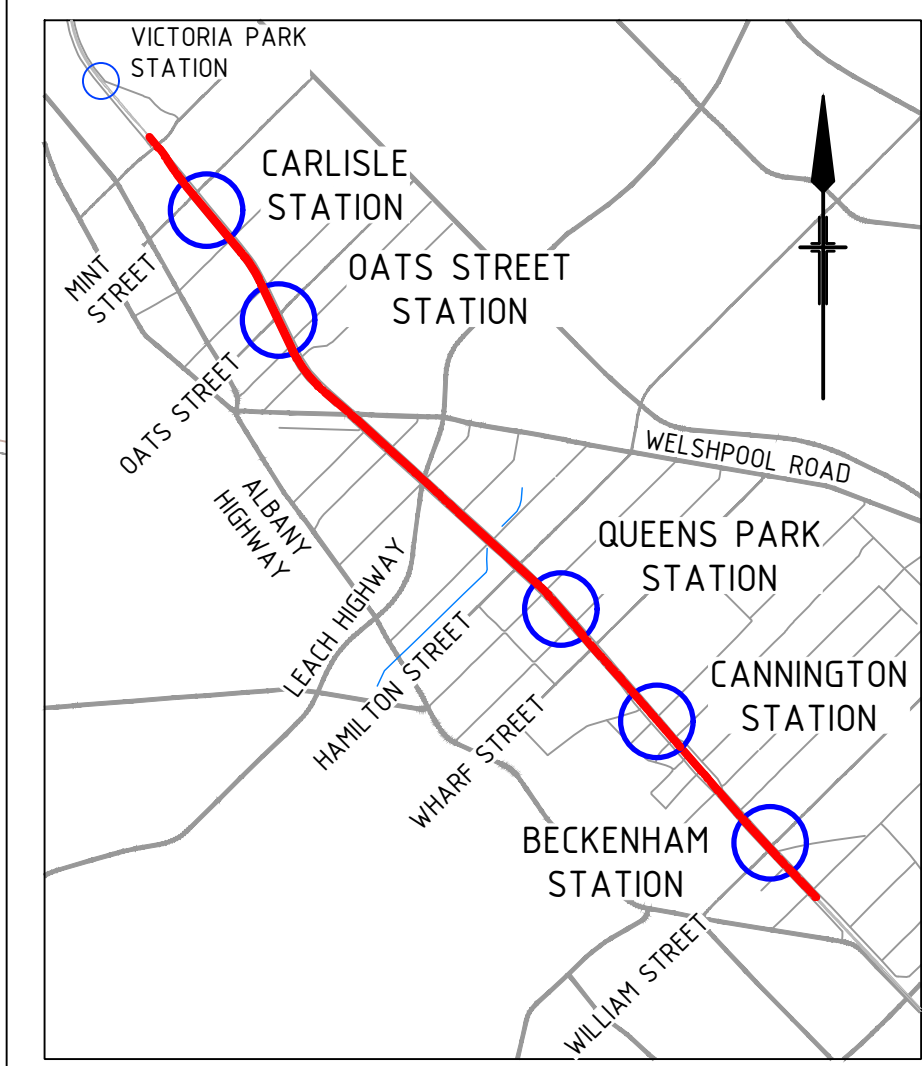
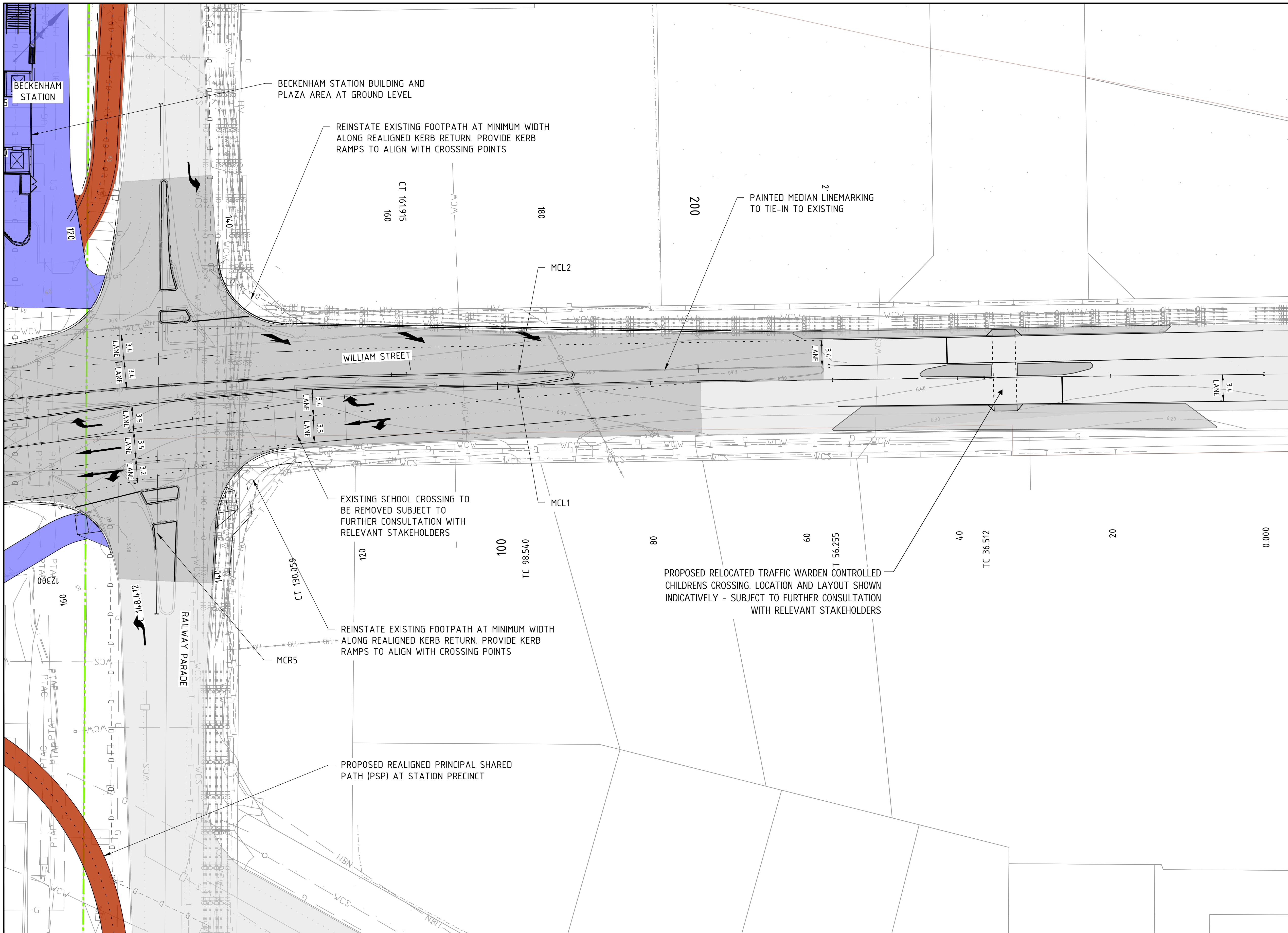
PTA Drawing No: 04-C-18-10031 | Rev: B1.01

B1.01									
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REV	DATE	AMENDMENT				SD	LS	B.G	B.H
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ARMADALE LINE UPGRADE ALLIANCE
Innovation to Reality

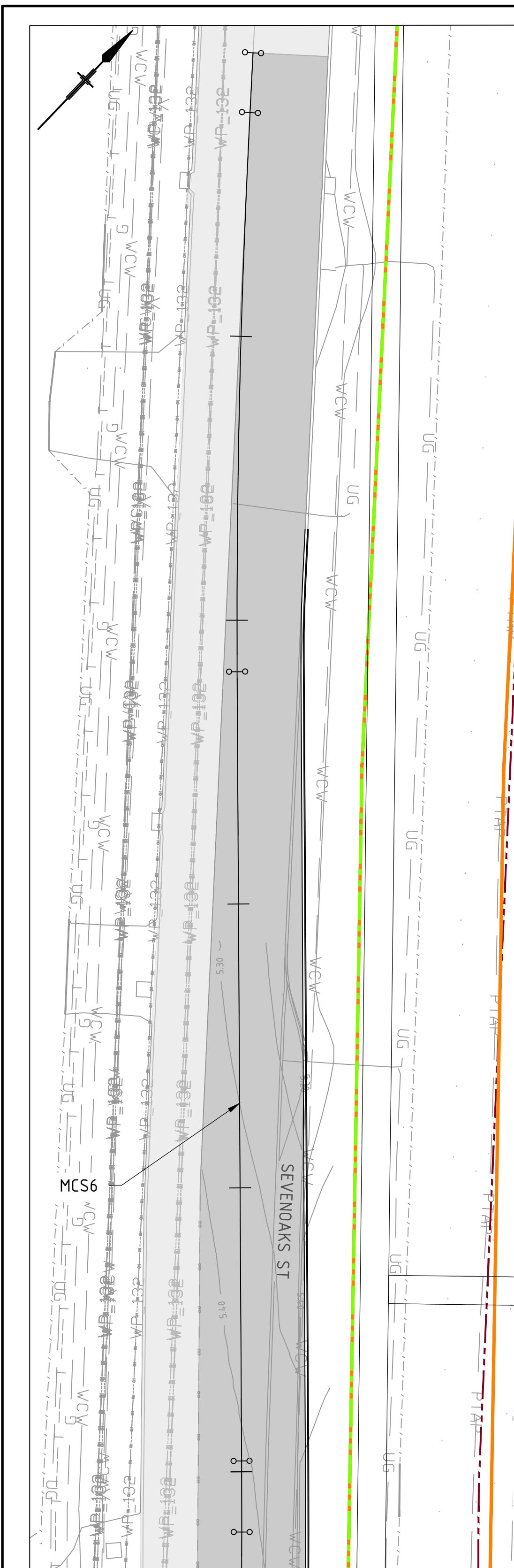
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	DATUM	DRAWN
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	VERTICAL: AHD71	CHECKED
		B.GRAFFEN
		APPROVED
		B.HOY
		DATE

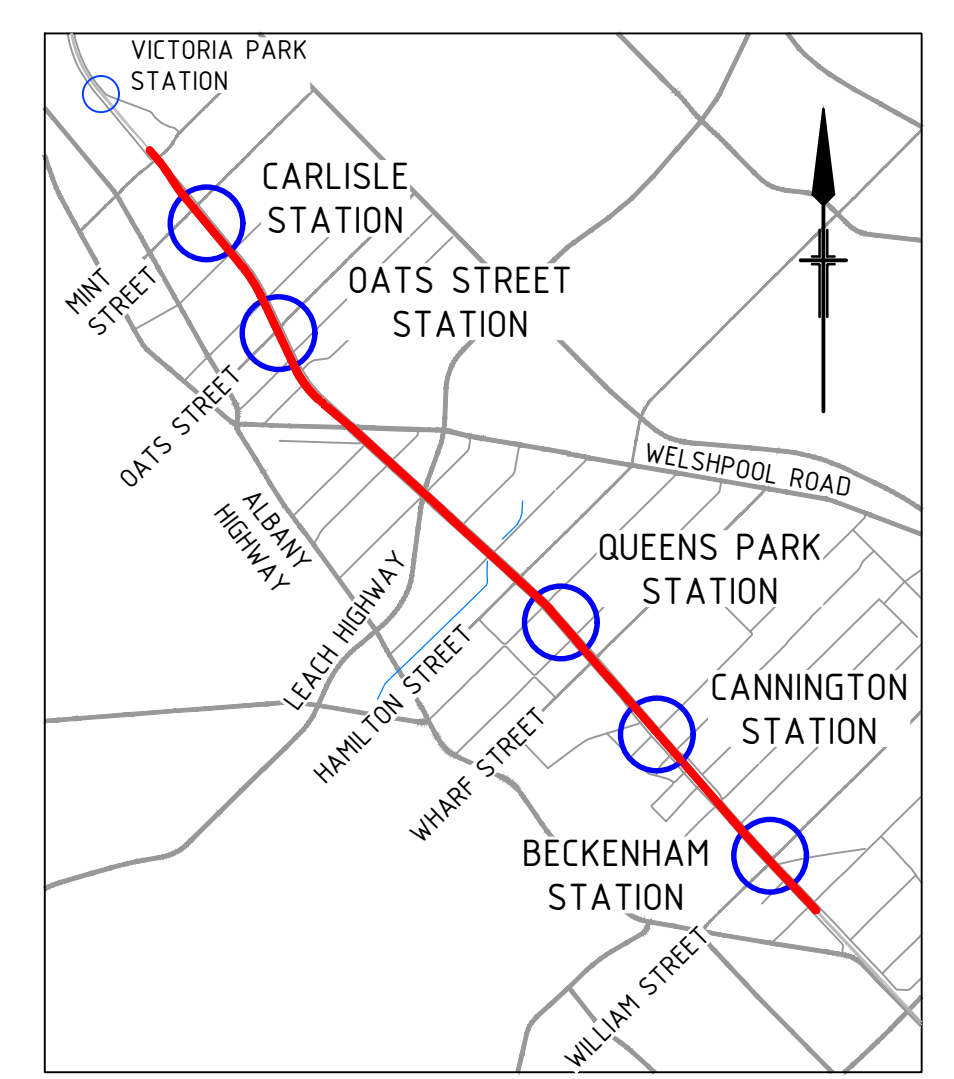
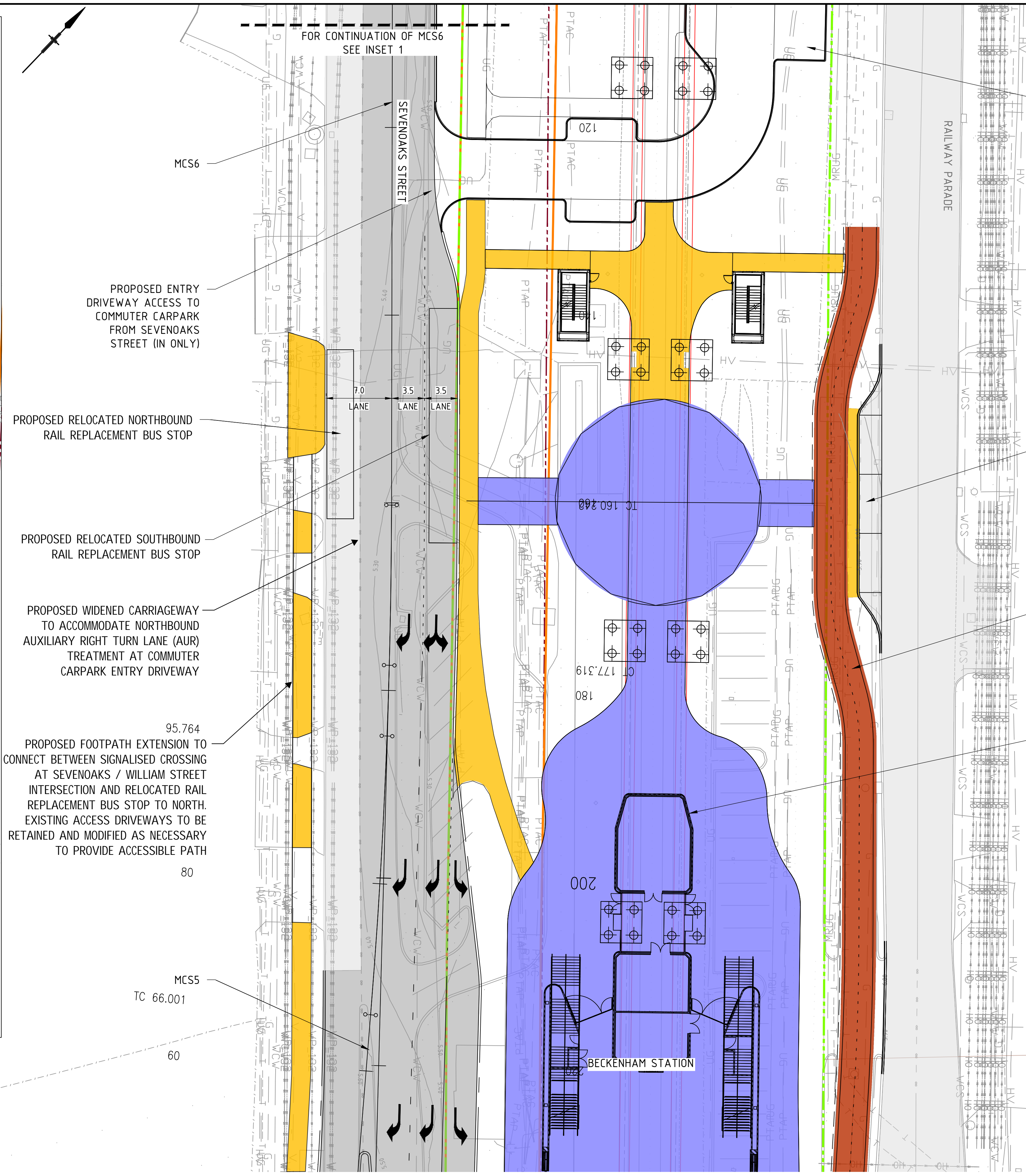


- NOTES**
- FOR GENERAL NOTES AND LEGEND REFER TO DRAWING LXR-PW-Z0-GN-CI-RD-DWG-00004
 - REFER TO DESIGN MODEL FOR BARRIER SETOUT. SETOUT POINTS ARE TO THE FACE OF BARRIER
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 - FOR SERVICE IMPACT ASSESSMENT AND RELOCATION DETAILS REFER TO CIVIL CORRIDOR PACKAGE.

- LEGEND**
- LAND RESUMPTION
 - CADASTRAL BOUNDARY
 - MRS BOUNDARY
 - RAIL RESERVE BOUNDARY
 - PROPOSED ROAD REFERENCE LINE
 - PROPOSED RETAINING WALL
 - PROPOSED NOISE WALL
 - EXISTING ARMADALE PASSENGER RAIL
 - PROPOSED ARMADALE PASSENGER RAIL
 - PROPOSED MONOWILL FENCING
 - PROPOSED 1800 HIGH SECURITY FENCE
 - PROPOSED 1400 HIGH CHAINWIRE FENCE
 - FUTURE RAIL RESERVE BOUNDARY
 - FUTURE ULTIMATE DESIGN
 - EXISTING W-BEAM BARRIER TO BE REMOVED
 - QUADGUARD TERMINAL QN12606Y OR SIMILAR
 - PROPOSED FENCING
 - EXISTING FENCING
 - PROPOSED GULLY PIT / SIDE ENTRY PIT
 - PROPOSED STREET LIGHT
 - TRAFFIC SIGNAL POLE
 - PEDESTRIAN RAMP WITH TGS
 - EXISTING ROAD CARRIAGEWAY
 - PROPOSED ROAD CARRIAGEWAY
 - PROPOSED PRINCIPAL SHARED PATH (PSP)
 - PROPOSED FOOT



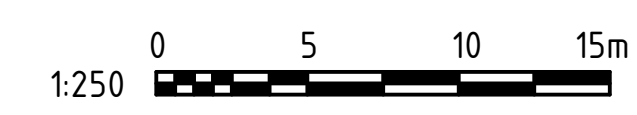
INSET 1
SCALE 1:250



LOCALITY PLAN

- NOTES**
- FOR GENERAL NOTES AND LEGEND REFER TO DRAWING LXR-PW-Z5-GN-CI-RD-DWG-00004
 - REFER TO DESIGN MODEL FOR BARRIER SETOUT. SETOUT POINTS ARE TO THE FACE OF BARRIER
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- LEGEND**
- LAND RESUMPTION
 - CADASTRAL BOUNDARY
 - MRS BOUNDARY
 - RAIL RESERVE BOUNDARY
 - PROPOSED ROAD REFERENCE LINE
 - PROPOSED RETAINING WALL
 - PROPOSED NOISE WALL
 - EXISTING ARMADALE PASSENGER RAIL
 - PROPOSED ARMADALE PASSENGER RAIL
 - PROPOSED MONOWILL FENCING
 - PROPOSED 1800 HIGH SECURITY FENCE
 - PROPOSED 1400 HIGH CHAINWIRE FENCE
 - FUTURE RAIL RESERVE BOUNDARY
 - FUTURE ULTIMATE DESIGN
 - EXISTING W-BEAM BARRIER TO BE REMOVED
 - QUADGUARD TERMINAL QN12606Y OR SIMILAR
 - TL4 CONCRETE BARRIER
 - PROPOSED FENCING
 - EXISTING FENCING
 - PROPOSED GULLY PIT / SIDE ENTRY PIT
 - PROPOSED STREET LIGHT
 - TRAFFIC SIGNAL POLE
 - PEDESTRIAN RAMP WITH TGS1
 - EXISTING ROAD CARRIAGEWAY
 - PROPOSED ROAD CARRIAGEWAY
 - PROPOSED PRINCIPAL SHARED PATH (PSP)
 - PROPOSED FOOTPATH
 - PROPOSED HARD LANDSCAPING



REFERENCE DESIGN

VICTORIA PARK TO CANNING
LEVEL CROSSING REMOVAL

ARMADALE LINE - ROAD
BECKENHAM STATION - PACKAGE 4
WILLIAM STREET GA - SHEET 3
 PTA Drawing No: **04-C-18-10034** | Rev: **A1.05**

REV	DATE	REFERENCE DESIGN	AMENDMENT	SD	LS	BG	YS
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A1.05	17.05.23	REFERENCE DESIGN					

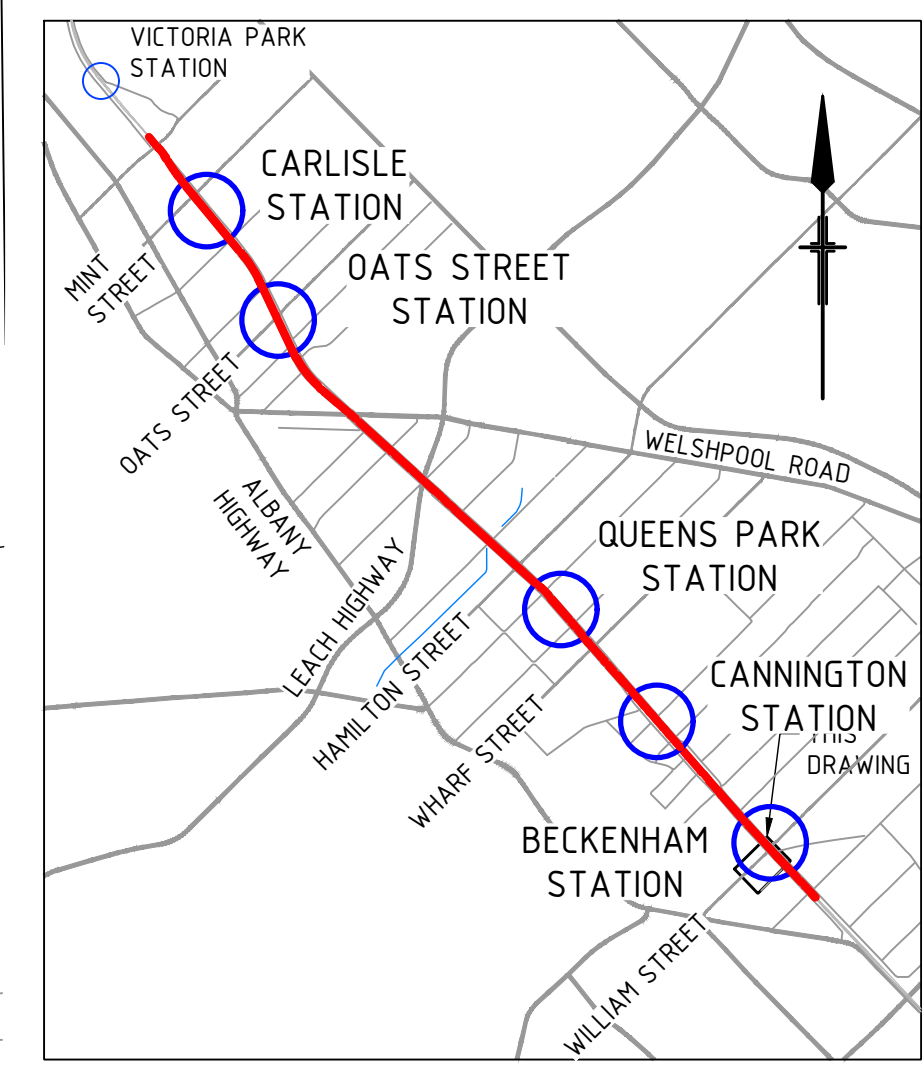
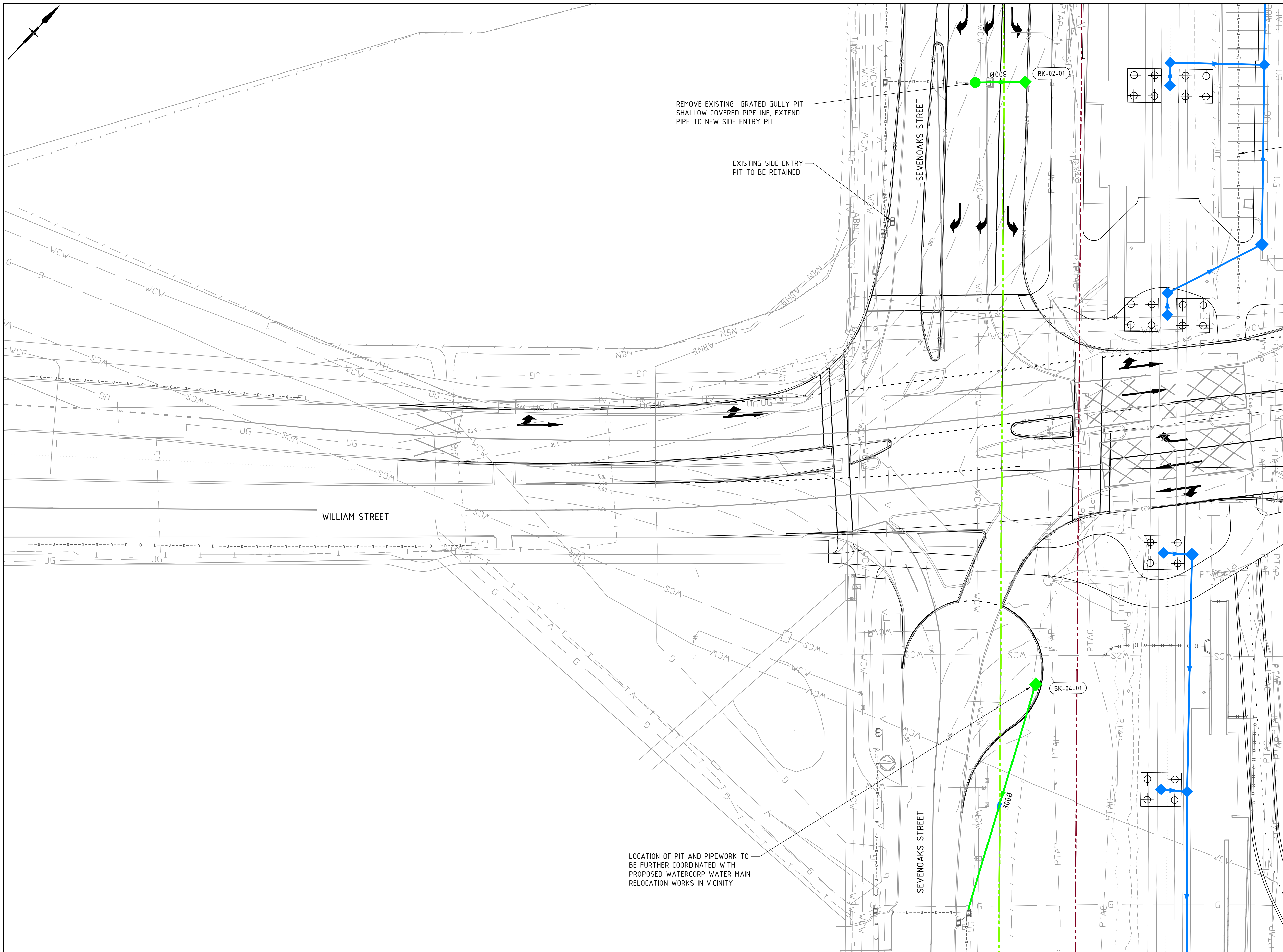
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ARMADALE LINE UPGRADE ALLIANCE
Innovation to Reality

Contractor No: LXR-P4-Z5-BK-CI-RD-DWG-00203

REFERENCES	SCALE	DESIGNED
	1:250 (@A1)	S.DICKINSON
		DRAWN L.SHARRATT
		CHECKED B.GRAFFEN
		APPROVED Y.SIDDIQUI
		DATE 17.05.23

DATUM
HORIZONTAL:
VERTICAL:



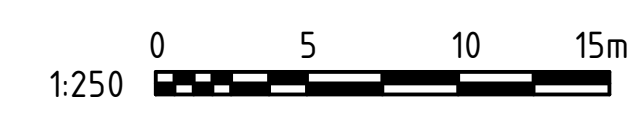
LOCALITY PLAN

NOTES

1. ALL LEVELS ARE DESIGNED TO TOP OF ASPHALT.
2. REFER TO STATION HYDRAULIC SERVICES PACKAGE FOR HYDRAULIC SERVICES DESIGN.
3. STATION VIADUCT DRAINAGE EMERGENCY OVERFLOW SYSTEM DESIGN TO BE CONFIRMED AT THE NEXT DESIGN STAGE.

LEGEND

- (P2-03-48-1) STRUCTURE NUMBER
- RAIL RESERVE BOUNDARY
- RAIL CORRIDOR DRAINAGE:
 - DRAINAGE PIPE
 - MANHOLE
 - GULLY PIT
 - ▭ DRAINAGE BASIN
- CoG DRAINAGE:
 - CoG DRAINAGE PIPE
 - CoG MANHOLE
 - CoG COMBINATION PIT
- EXISTING DRAINAGE:
 - EXISTING PIT AND PIPE
 - EXISTING DRAINAGE TO BE REMOVED
- DESIGN CONTOUR
 - DESIGN MAJOR CONTOUR
 - DESIGN MINOR CONTOUR



PLAN

REFERENCE DESIGN

B1.01									
A	21.07.23	REFERENCE DESIGN				EC	LS	B.G	B.H
REV	DATE					EC	LS	B.G	B.H
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ARMADALE LINE UPGRADE ALLIANCE
Innovation to Reality

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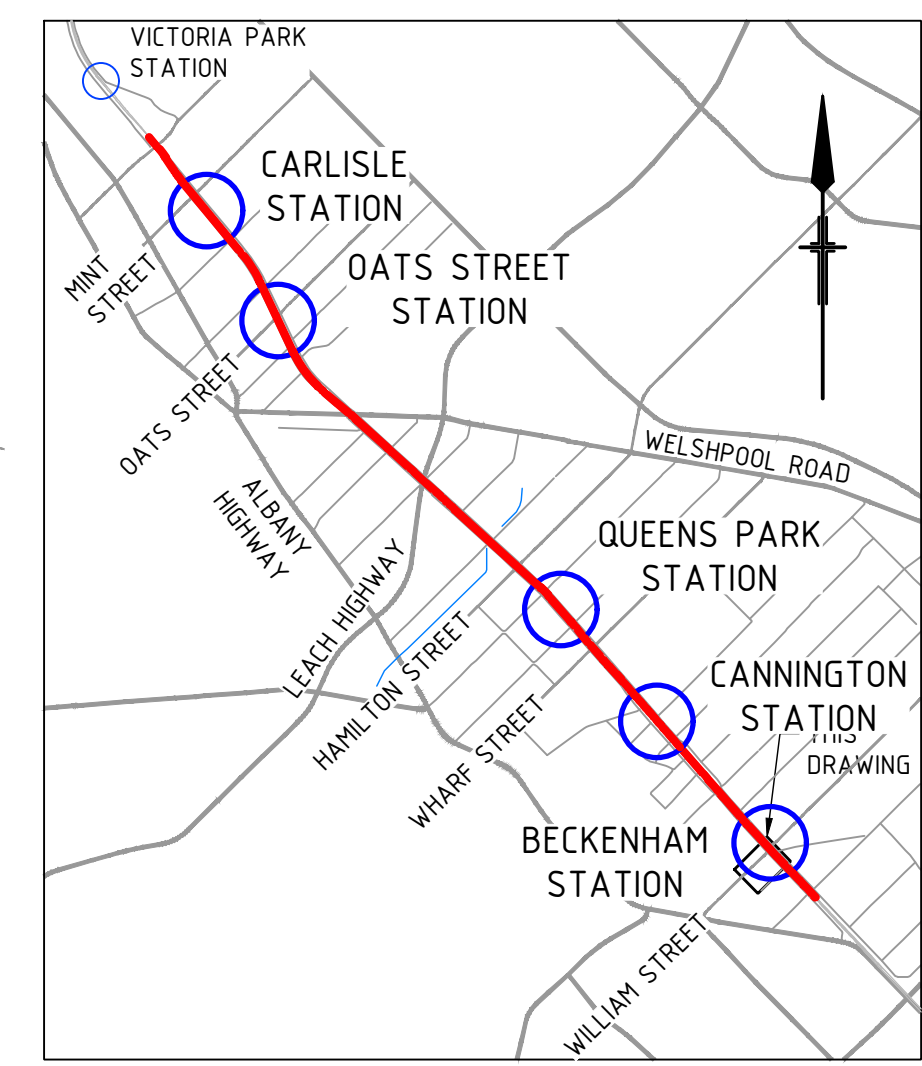
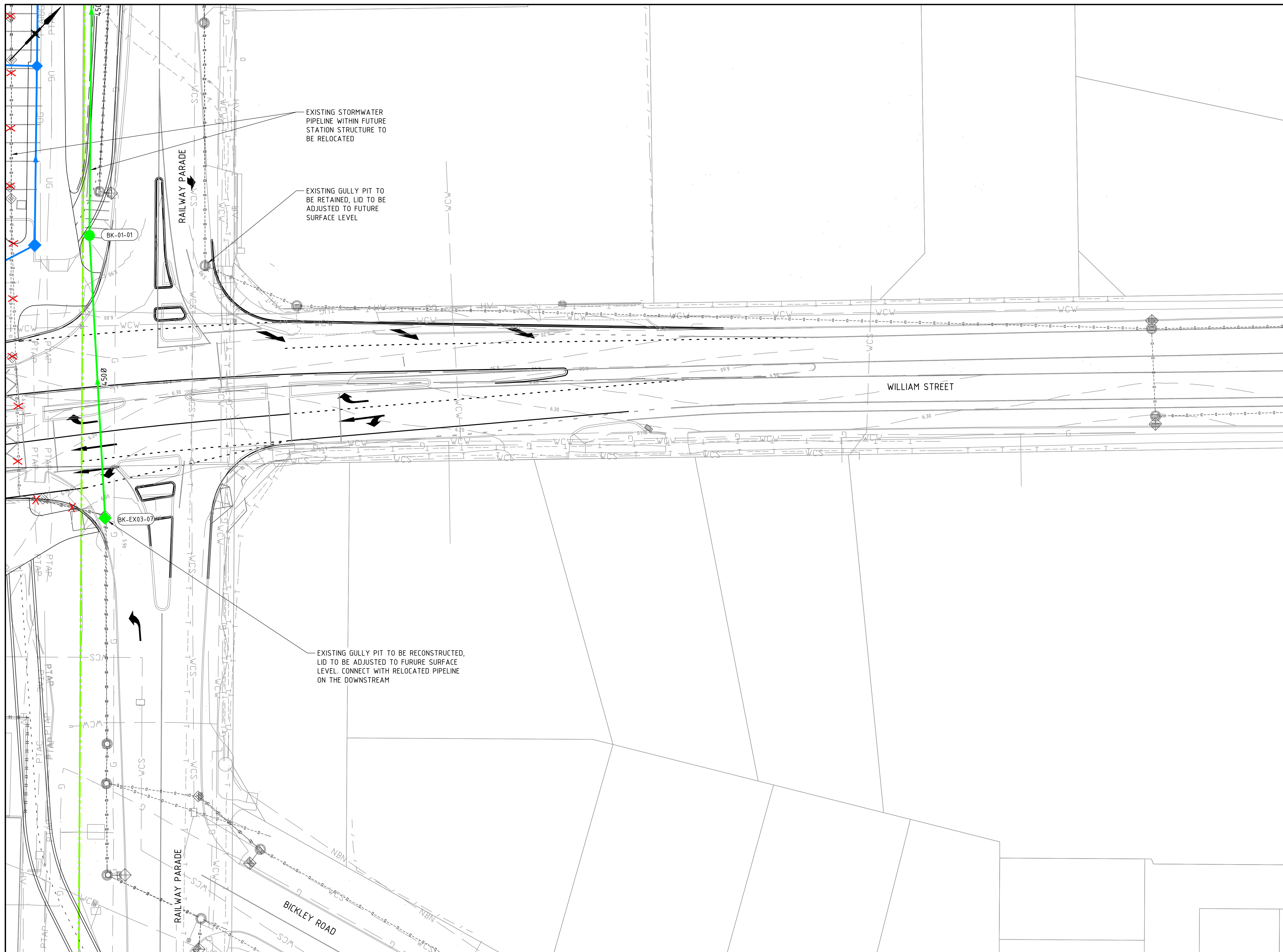
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DATUM	HORIZONTAL: PCG20 VERTICAL: AHD71

DESIGNED	E.CHEUNG1
DRAWN	L.SHARRATT
CHECKED	B.GRAFFEN
APPROVED	B.HOY
DATE	

Government of Western Australia
Public Transport Authority

VICTORIA PARK TO CANNING
LEVEL CROSSING REMOVAL

ARMADALE LINE - CIVIL
WILLIAM ST LEVEL CROSSING - CIVIL - DRAINAGE
GENERAL ARRANGEMENT - SHEET 1
PTA Drawing No: 04-C-18-10035 | Rev: B1.01



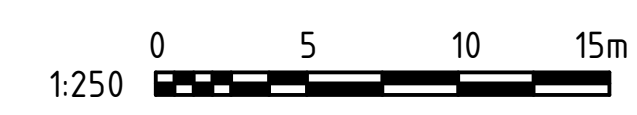
LOCALITY PLAN

NOTES

1. ALL LEVELS ARE DESIGNED TO TOP OF ASPHALT.
2. REFER TO STATION HYDRAULIC SERVICES PACKAGE FOR HYDRAULIC SERVICES DESIGN.
3. STATION VIADUCT DRAINAGE EMERGENCY OVERFLOW SYSTEM DESIGN TO BE CONFIRMED AT THE NEXT DESIGN STAGE.

LEGEND

- (P2-03-48-1) STRUCTURE NUMBER
- RAIL RESERVE BOUNDARY
- RAIL CORRIDOR DRAINAGE:
 - DRAINAGE PIPE
 - MANHOLE
 - GULLY PIT
 - ▭ DRAINAGE BASIN
- CoG DRAINAGE:
 - CoG DRAINAGE PIPE
 - CoG MANHOLE
 - CoG COMBINATION PIT
- EXISTING DRAINAGE:
 - EXISTING PIT AND PIPE
 - EXISTING DRAINAGE TO BE REMOVED
- DESIGN CONTOUR
 - 20 DESIGN MAJOR CONTOUR
 - 20.1 DESIGN MINOR CONTOUR



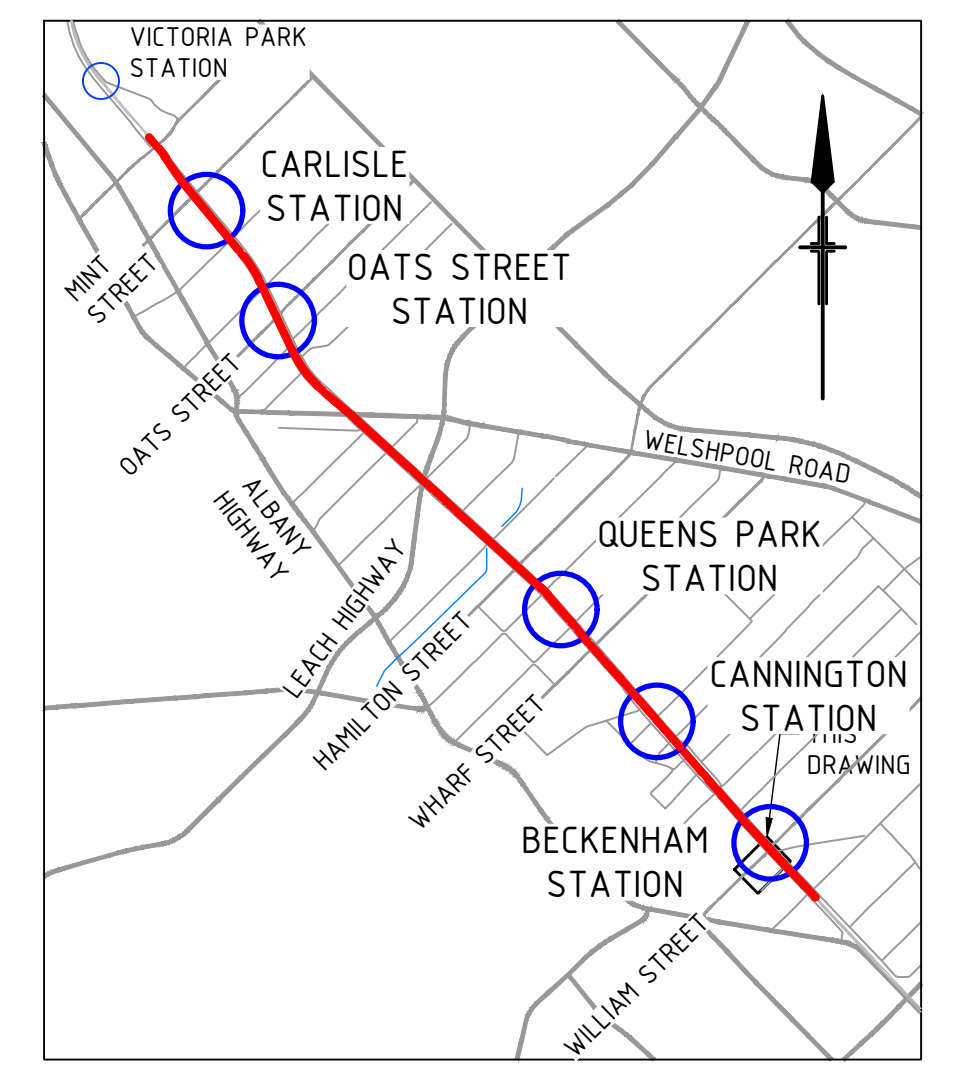
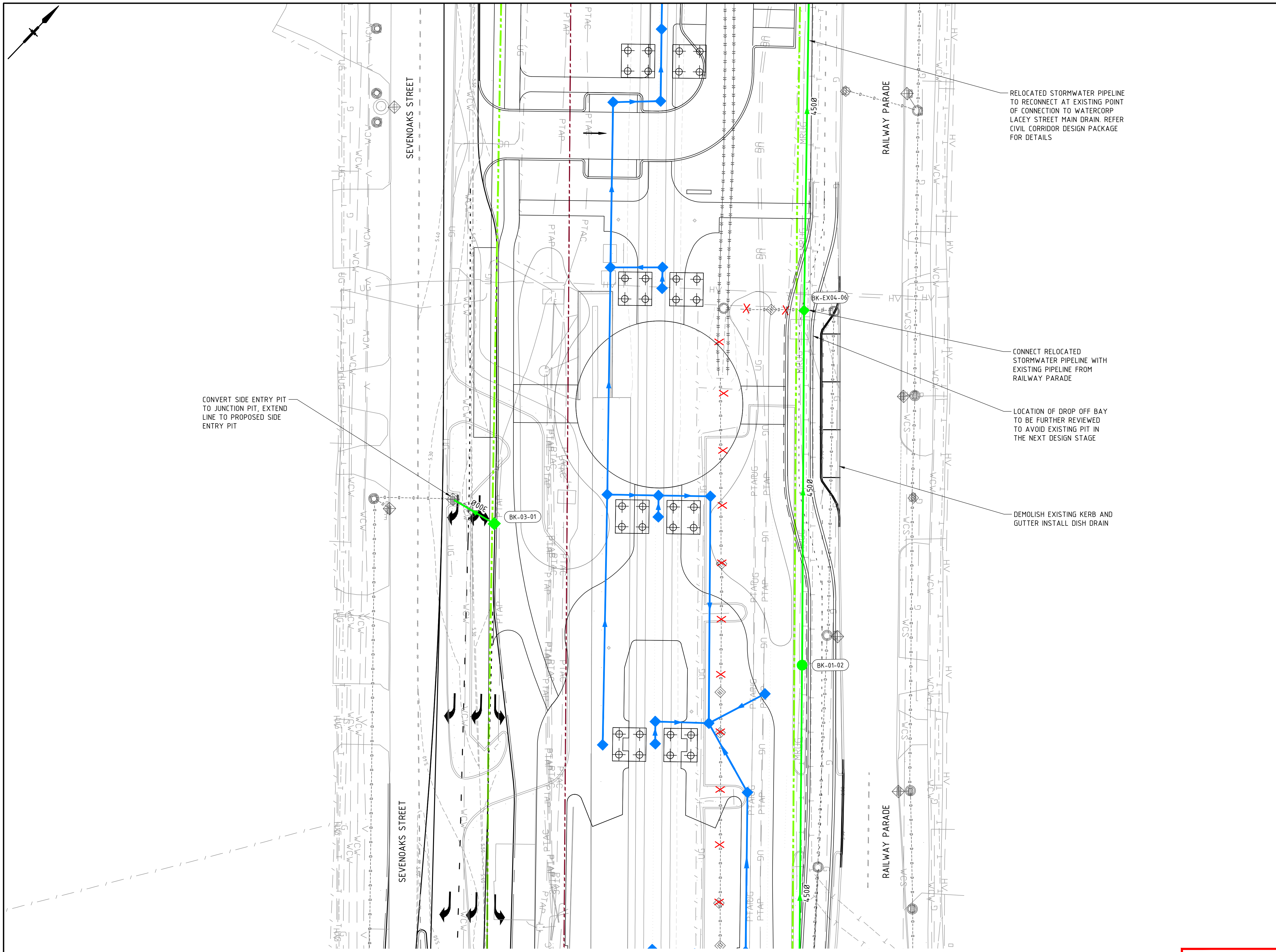
PLAN

REFERENCE DESIGN

	VICTORIA PARK TO CANNING LEVEL CROSSING REMOVAL
	ARMADALE LINE - CIVIL WILLIAM ST LEVEL CROSSING - CIVIL - DRAINAGE GENERAL ARRANGEMENT - SHEET 2
PTA Drawing No:	04-C-18-10036 Rev: A

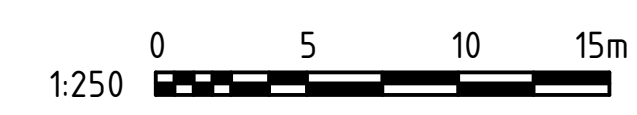
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A	21.07.23	REFERENCE DESIGN		DSN	DRN	CHK	APP
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REFERENCES	SCALE	DESIGNED
	1:250 (@A1)	E.CHEUNG1
	DATUM	DRAWN
	HORIZONTAL: PCG20	L.SHARRATT
	VERTICAL: AHD71	CHECKED
		B.GRAFFEN
		APPROVED
		B.HOY
		DATE
		21.07.23



- NOTES**
1. ALL LEVELS ARE DESIGNED TO TOP OF ASPHALT.
 2. REFER TO STATION HYDRAULIC SERVICES PACKAGE FOR HYDRAULIC SERVICES DESIGN.
 3. STATION VIADUCT DRAINAGE EMERGENCY OVERFLOW SYSTEM DESIGN TO BE CONFIRMED AT THE NEXT DESIGN STAGE.

- LEGEND**
- (P2-03-48-1) STRUCTURE NUMBER
 - RAIL RESERVE BOUNDARY
 - RAIL CORRIDOR DRAINAGE:**
 - DRAINAGE PIPE
 - MANHOLE
 - GULLY PIT
 - ▭ DRAINAGE BASIN
 - CoG DRAINAGE:**
 - CoG DRAINAGE PIPE
 - CoG MANHOLE
 - CoG COMBINATION PIT
 - EXISTING DRAINAGE:**
 - EXISTING PIT AND PIPE
 - EXISTING DRAINAGE TO BE REMOVED
 - DESIGN CONTOUR**
 - 20 DESIGN MAJOR CONTOUR
 - 20.1 DESIGN MINOR CONTOUR



PLAN

REFERENCE DESIGN

VICTORIA PARK TO CANNING
 LEVEL CROSSING REMOVAL

ARMADALE LINE - CIVIL
WILLIAM ST LEVEL CROSSING - CIVIL - DRAINAGE
GENERAL ARRANGEMENT - SHEET 3
 PTA Drawing No: **04-C-18-10037** | Rev: **A1.03**

REV		DATE		AMENDMENT		EC	LS	BG	YS
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A1.03		17.05.23		REFERENCE DESIGN		EC	LS	BG	YS
A1		17.05.23		AMENDMENT		DSN	DRN	CHK	APP

ARMADALE LINE UPGRADE ALLIANCE

Innovation to Reality

Contractor No: LXR-P4-Z5-BK-CI-DR-DWG-00243

REFERENCES	SCALE	DESIGNED
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DATUM		DRAWN
HORIZONTAL:		L.SHARRATT
VERTICAL:		CHECKED
		B.GRAFFEN
		APPROVED
		Y.SIDDIQUI
		DATE
		17.05.23

