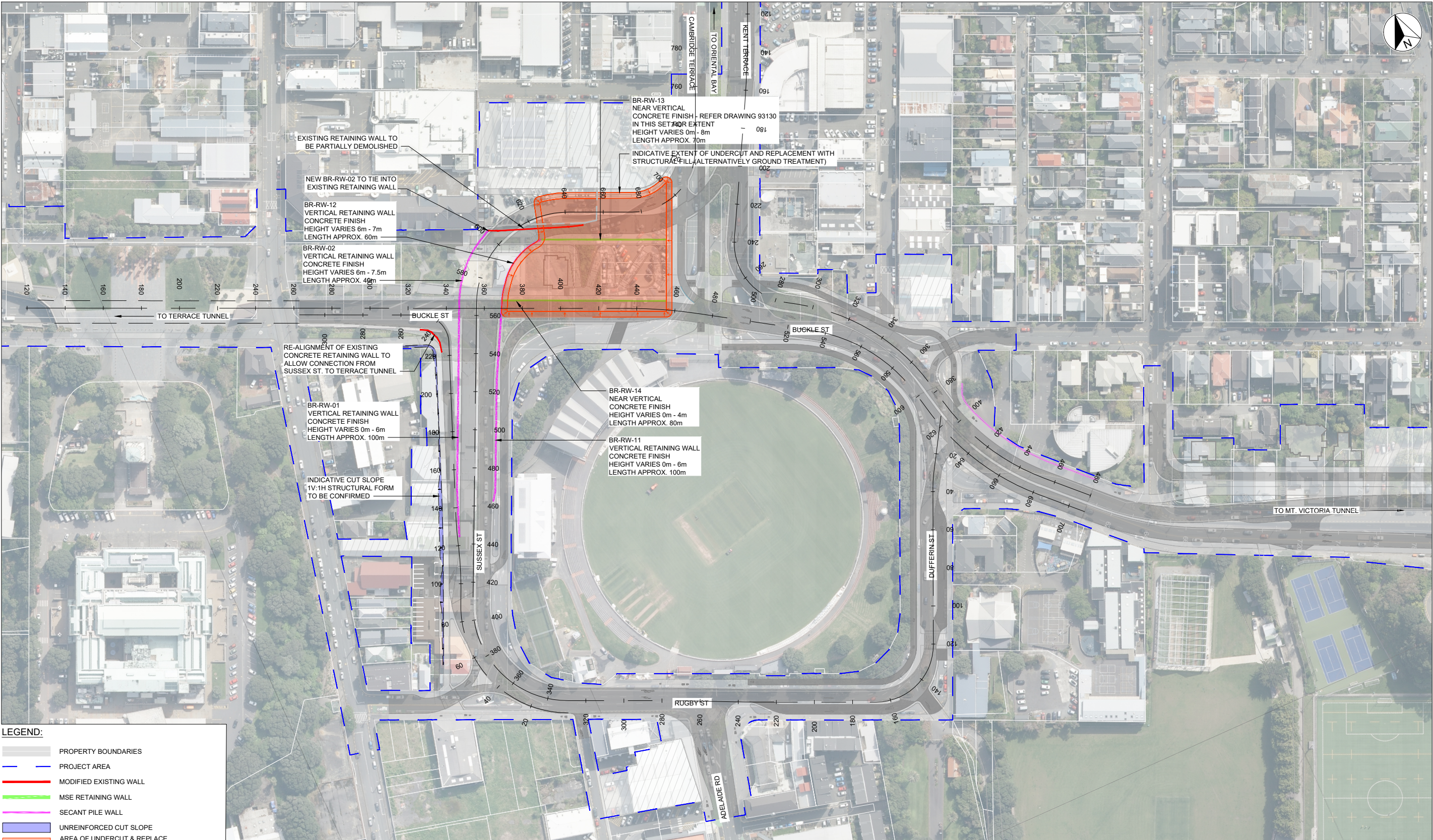




- LEGEND:**
- PROPERTY BOUNDARIES
 - PROJECT AREA
 - MODIFIED EXISTING WALL
 - MSE RETAINING WALL
 - SECANT PILE WALL
 - UNREINFORCED CUT SLOPE
 - AREA OF UNDERCUT & REPLACE (ALTERNATIVELY GROUND TREATMENT)

BASIN RESERVE - SLOPE AND RETAINING STRUCTURES PLAN
SCALE: 1:1000

NOTE:
THE GEOTECHNICAL INFORMATION PROVIDED ON THESE DRAWINGS FOR RETAINING WALLS, CUT SLOPES, GROUND IMPROVEMENT, AND FILL STRUCTURES IS INDICATIVE ONLY AND ALTERNATIVE SOLUTIONS COULD BE CONSIDERED. THIS INCLUDES WALL TYPE, CUT SLOPE ANGLE, FINISHED SURFACE, ANCHOR DEPTH AND TYPE, AND GROUND IMPROVEMENT METHODOLOGY

1:1000@ A1
1:2000@ A3

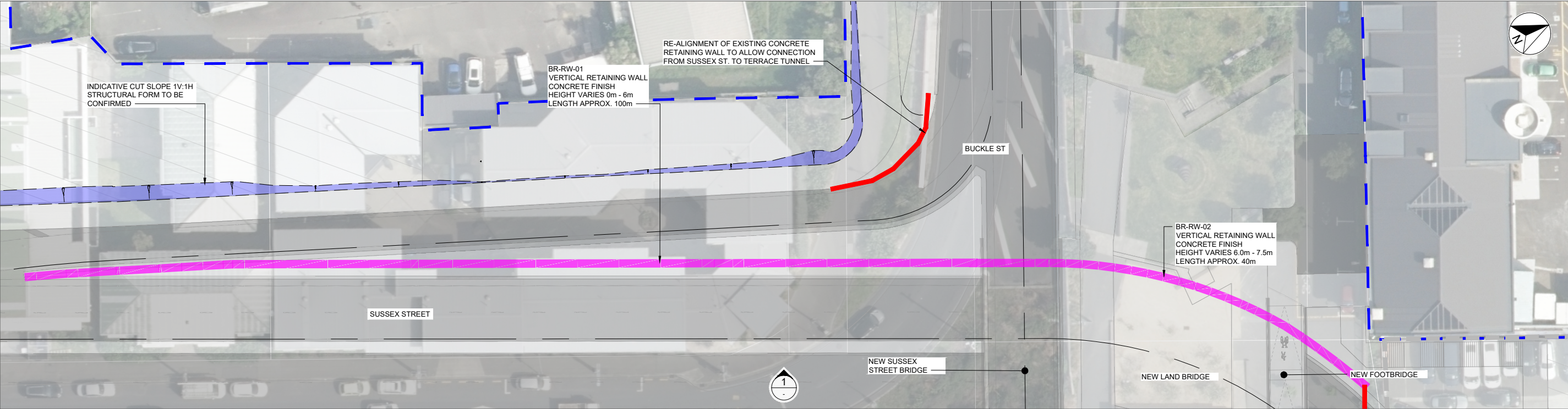
REVISION	AMENDMENT	APPROVED	DATE
A	CONSENT DESIGN	ES	2026-07-09



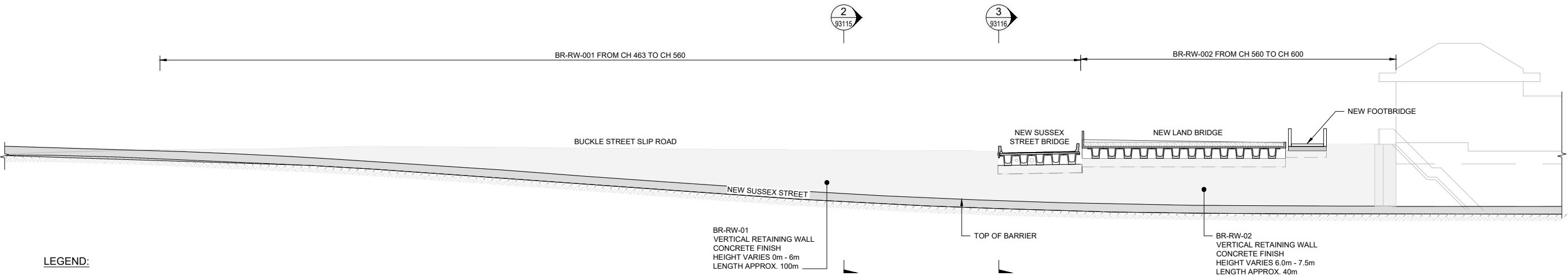
GEOTECHNICAL

SCALES			ORIGINAL SIZE
1:1000 (A1)			A1
DRAWN	DESIGNED	APPROVED	
H. TIONGCO	Z. LIU	E. SUTTON	
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE	
Q. O'SHAUGHNESSY	R. RAMILO	2026-07-09	
CONSENT DESIGN			

PROJECT			
NZ TRANSPORT AGENCY			
WELLINGTON			
STATE HIGHWAY 1 WELLINGTON IMPROVEMENTS			
TITLE			
BASIN RESERVE			
GEOTECHNICAL PLAN			
WSP PROJECT NO.	PROJ-ORIG-VOL-LOC-TYPE	SHEET NO.	REVISION
5-C4434.01	SH1WI-DES-BR-GEO-DRG	93000	A



BR-RW-01 & 02 PLAN
SCALE: 1:250



1 BR-RW-01 & 02 ELEVATION
SCALE: 1:250

- LEGEND:
- PROPERTY BOUNDARIES
 - PROJECT AREA
 - MODIFIED EXISTING WALL
 - MSE RETAINING WALL
 - SECANT PILE WALL
 - UNREINFORCED CUT SLOPE
 - AREA OF UNDERCUT & REPLACE (ALTERNATIVELY GROUND TREATMENT)

NOTE:
THE GEOTECHNICAL INFORMATION PROVIDED ON THESE DRAWINGS FOR RETAINING WALLS, CUT SLOPES, GROUND IMPROVEMENT, AND FILL STRUCTURES IS INDICATIVE ONLY AND ALTERNATIVE SOLUTIONS COULD BE CONSIDERED. THIS INCLUDES WALL TYPE, CUT SLOPE ANGLE, FINISHED SURFACE, ANCHOR DEPTH AND TYPE, AND GROUND IMPROVEMENT METHODOLOGY

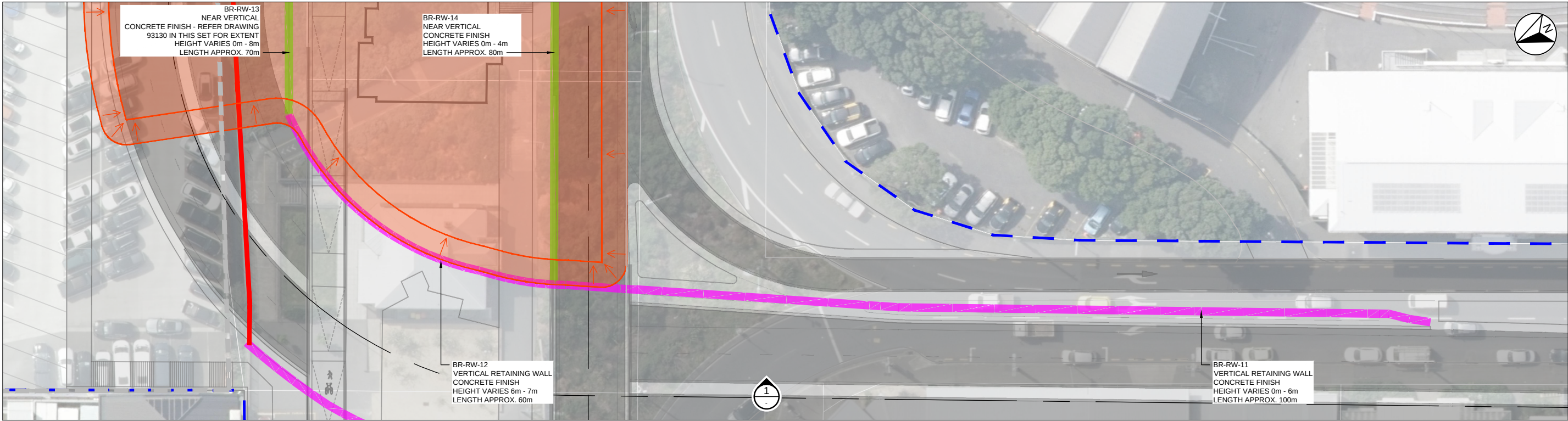
1:250 @ A1
1:500 @ A3

REVISION	AMENDMENT	APPROVED	DATE
A	CONSENT DESIGN	ES	2026-07-09

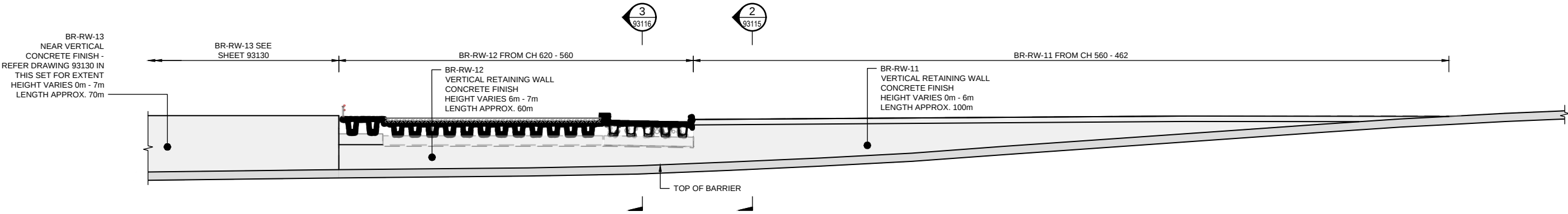


SCALES			ORIGINAL SIZE
1:250 (A1)			A1
DRAWN	DESIGNED	APPROVED	
H. TIONGCO	Z. LIU	E. SUTTON	
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE	
Q. O'SHAUGHNESSY	R. RAMILO	2026-07-09	
CONSENT DESIGN			

PROJECT NZ TRANSPORT AGENCY WELLINGTON STATE HIGHWAY 1 WELLINGTON IMPROVEMENTS			
TITLE BASIN RESERVE BR-RW-01 & 02 - PLAN AND ELEVATION			
WSP PROJECT NO. 5-C4434.01	PROJ-ORIG-VOL-LOC-TYPE SH1WI-DES-BR-GEO-DRG	SHEET NO. 93110	REVISION A



BR-RW-11 & 12 PLAN
SCALE: 1:250



BR-RW-11 & 12 ELEVATION
SCALE: 1:250

LEGEND:

- PROPERTY BOUNDARIES
- PROJECT AREA
- MODIFIED EXISTING WALL
- MSE RETAINING WALL
- SECANT PILE WALL
- AREA OF UNDERCUT & REPLACE (ALTERNATIVELY GROUND TREATMENT)

NOTE:
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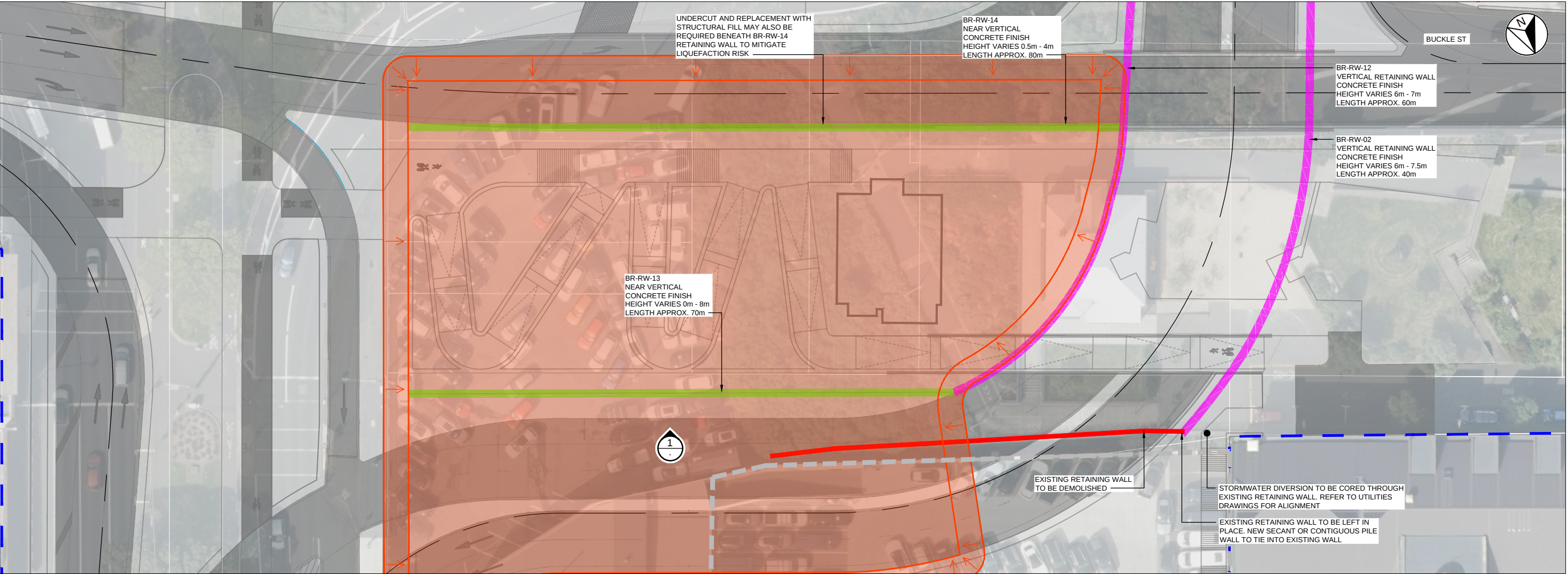
1:250 @ A1
1:500 @ A3

REVISION	AMENDMENT	APPROVED	DATE
A	CONSENT DESIGN	ES	2026-07-09

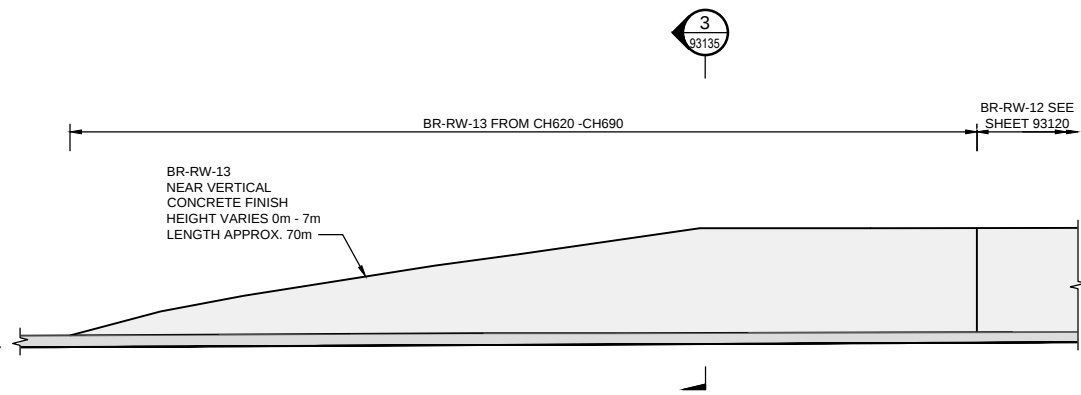


SCALES		ORIGINAL SIZE
1:250 (A1)		A1
DRAWN	DESIGNED	APPROVED
H. TIONGCO	Z. LIU	E. SUTTON
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE
Q. O'SHAUGHNESSY	R. RAMILO	2026-07-09
CONSENT DESIGN		

PROJECT			
NZ TRANSPORT AGENCY			
WELLINGTON			
STATE HIGHWAY 1 WELLINGTON IMPROVEMENTS			
TITLE			
BASIN RESERVE			
BR-RW-11 & 12 - PLAN AND ELEVATION			
WSP PROJECT NO.	PROJ-ORIG-VOL-LOC-TYPE	SHEET NO.	REVISION
5-C4434.01	SH1WI-DES-BR-GEO-DRG	93120	A



BR-RW-13 PLAN
SCALE: 1:250



BR-RW-13 ELEVATION
SCALE: 1:250

- LEGEND:**
- PROPERTY BOUNDARIES
 - PROJECT AREA
 - MODIFIED EXISTING WALL
 - MSE RETAINING WALL
 - SECANT PILE WALL
 - AREA OF UNDERCUT & REPLACE (ALTERNATIVELY GROUND TREATMENT)

NOTE:
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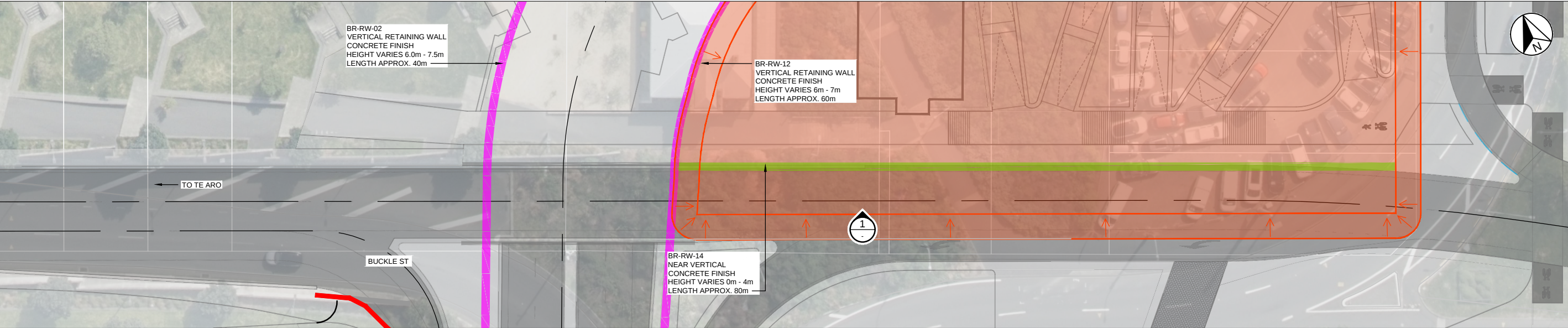
1:250 @ A1
1:500 @ A3

REVISION	AMENDMENT	APPROVED	DATE
A	CONSENT DESIGN	ES	2026-07-09

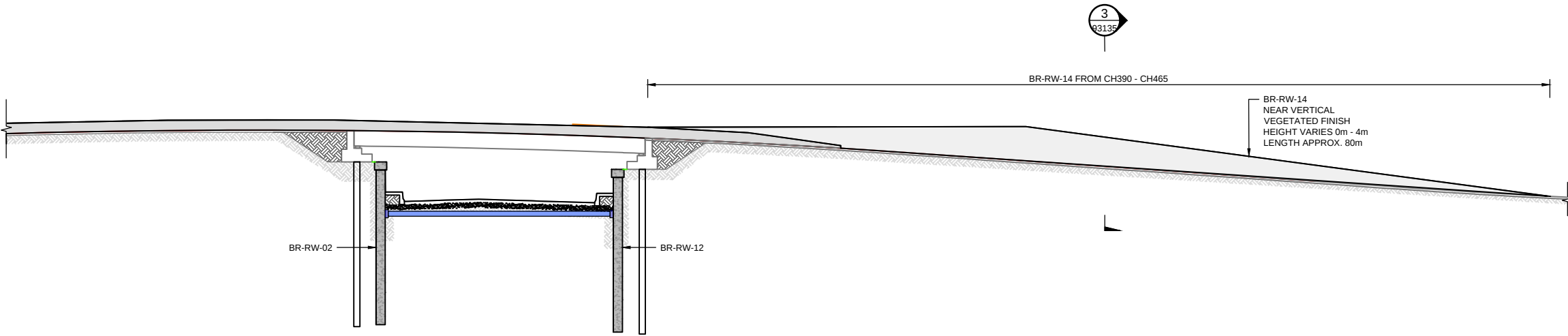


SCALES			ORIGINAL SIZE
1:250 (A1)			A1
DRAWN	DESIGNED	APPROVED	
H. TIONGCO	Z. LIU	E. SUTTON	
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE	
Q. O'SHAUGHNESSY	R. RAMILO	2026-07-09	
CONSENT DESIGN			

PROJECT			
NZ TRANSPORT AGENCY			
WELLINGTON			
STATE HIGHWAY 1 WELLINGTON IMPROVEMENTS			
TITLE			
BASIN RESERVE			
BR-RW-13 - PLAN AND ELEVATION			
WSP PROJECT NO.	PROJ-ORIG-VOL-LOC-TYPE	SHEET NO.	REVISION
5-C4434.01	SH1WI-DES-BR-GEO-DRG	93130	A



BR-RW-14 PLAN
SCALE: 1:250



BR-RW-14 ELEVATION
SCALE: 1:250

- LEGEND:**
- PROPERTY BOUNDARIES
 - PROJECT AREA
 - MODIFIED EXISTING WALL
 - MSE RETAINING WALL
 - SECANT PILE WALL
 - AREA OF UNDERCUT & REPLACE (ALTERNATIVELY GROUND TREATMENT)

NOTE:
THE GEOTECHNICAL INFORMATION PROVIDED ON THESE DRAWINGS FOR RETAINING WALLS, CUT SLOPES, GROUND IMPROVEMENT, AND FILL STRUCTURES IS INDICATIVE ONLY AND ALTERNATIVE SOLUTIONS COULD BE CONSIDERED. THIS INCLUDES WALL TYPE, CUT SLOPE ANGLE, FINISHED SURFACE, ANCHOR DEPTH AND TYPE, AND GROUND IMPROVEMENT METHODOLOGY

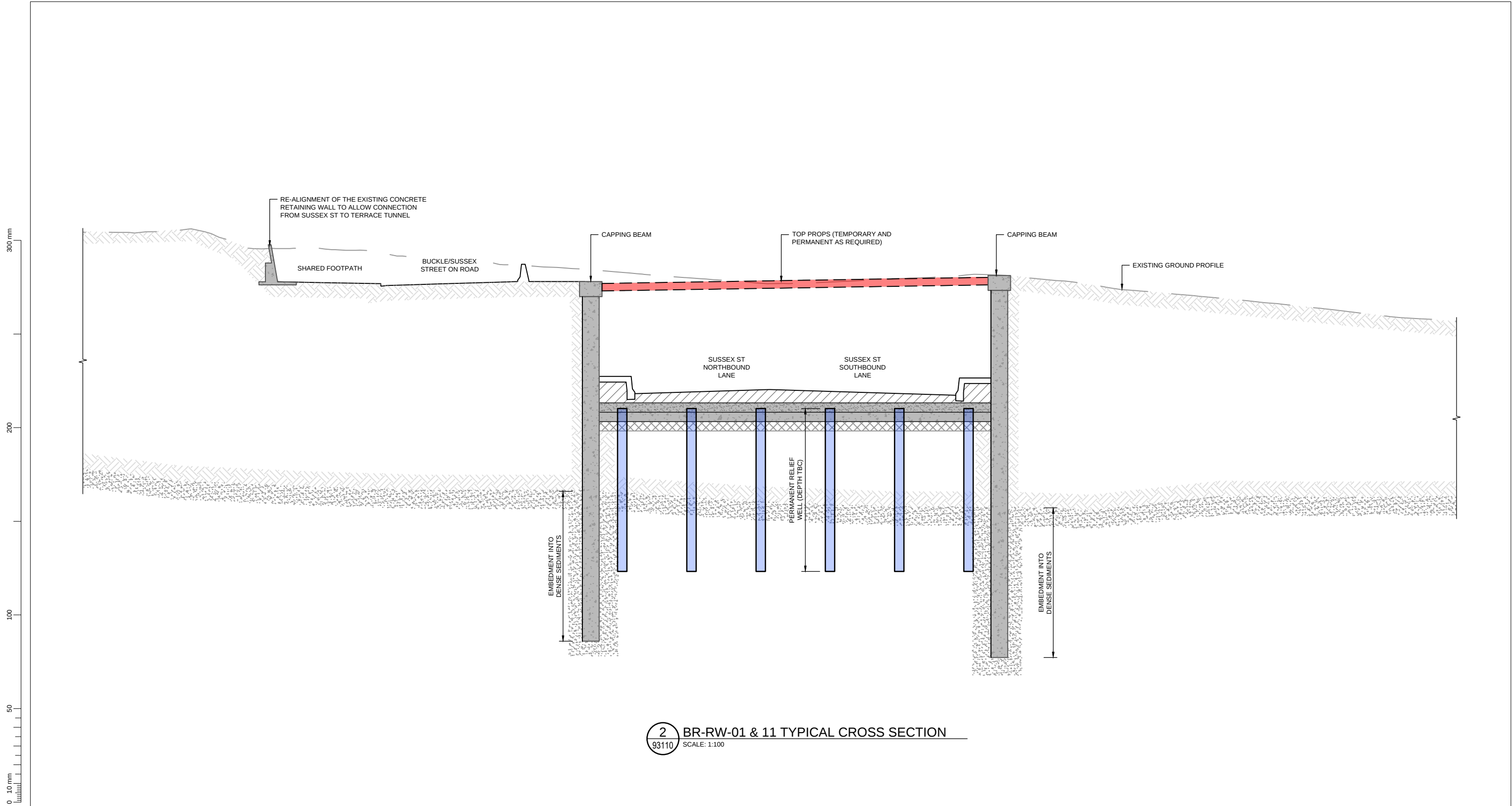
1:250 @ A1
1:500 @ A3

REVISION	AMENDMENT	APPROVED	DATE
A	CONSENT DESIGN	ES	2026-07-09



SCALES			ORIGINAL SIZE
1:250 (A1)			A1
DRAWN	DESIGNED	APPROVED	
H. TIONGCO	Z. LIU	E. SUTTON	
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE	
Q. O'SHAUGHNESSY	R. RAMILO	2026-07-09	
CONSENT DESIGN			

PROJECT			
NZ TRANSPORT AGENCY			
WELLINGTON			
STATE HIGHWAY 1 WELLINGTON IMPROVEMENTS			
TITLE			
BASIN RESERVE			
BR-RW-14 - PLAN AND ELEVATION			
WSP PROJECT NO.	PROJ-ORIG-VOL-LOC-TYPE	SHEET NO.	REVISION
5-C4434.01	SH1WI-DES-BR-GEO-DRG	93140	A



2 BR-RW-01 & 11 TYPICAL CROSS SECTION
93110 SCALE: 1:100

NOTE:
THE GEOTECHNICAL INFORMATION PROVIDED ON THESE DRAWINGS FOR RETAINING WALLS, CUT SLOPES, GROUND IMPROVEMENT, AND FILL STRUCTURES IS INDICATIVE ONLY AND ALTERNATIVE SOLUTIONS COULD BE CONSIDERED. THIS INCLUDES WALL TYPE, CUT SLOPE ANGLE, FINISHED SURFACE, ANCHOR DEPTH AND TYPE, AND GROUND IMPROVEMENT METHODOLOGY

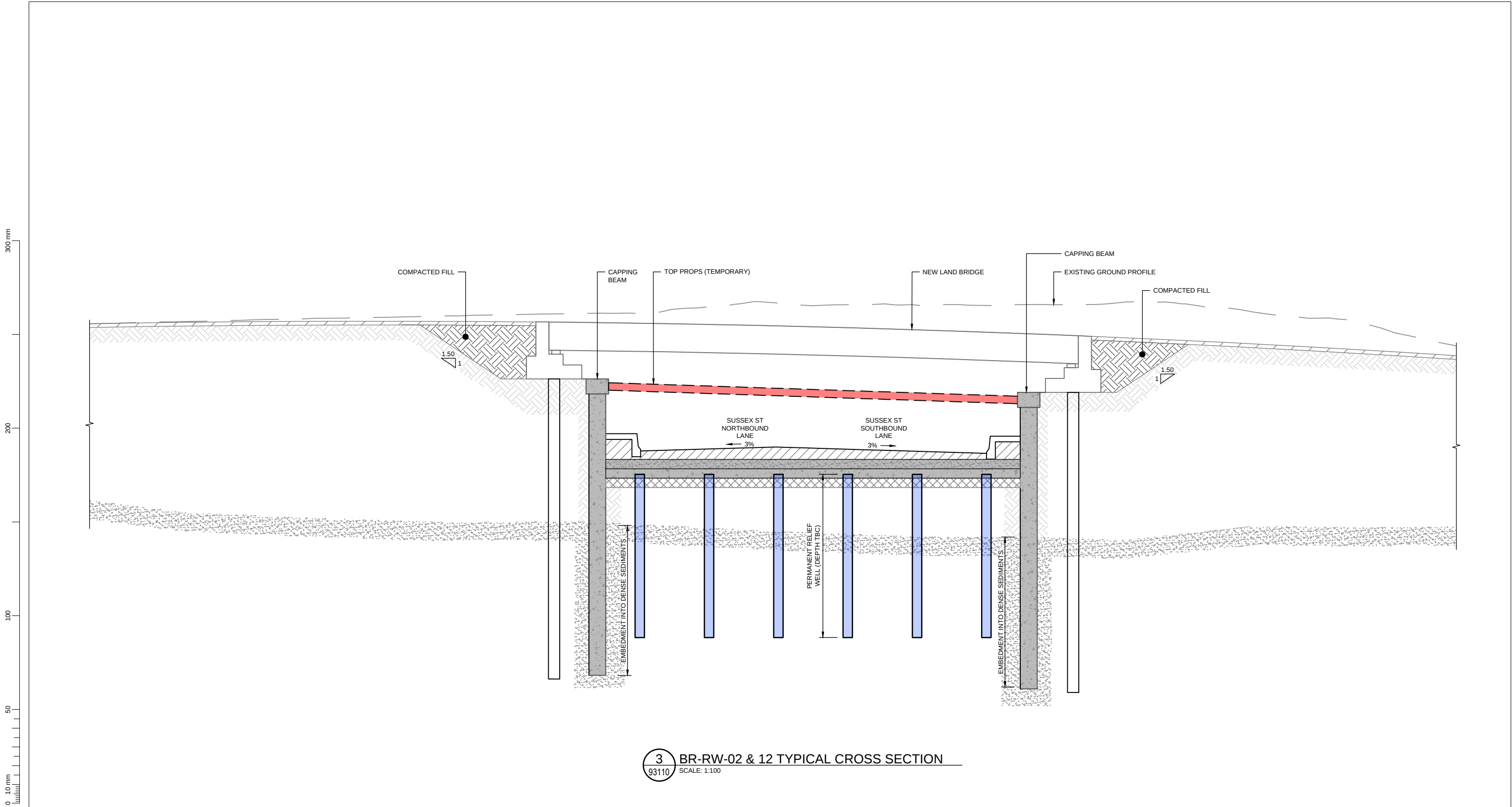
1:100 @ A1
1:200 @ A3
0 2000 4000 6000 8000 10000 mm

REVISION	AMENDMENT	APPROVED	DATE
A	CONSENT DESIGN	ES	2026-07-09



SCALES			ORIGINAL SIZE
1:100(A1)			A1
DRAWN	DESIGNED	APPROVED	
H. TIONGCO	Z. LIU	E. SUTTON	
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE	
Q. O'SHAUGHNESSY	R. RAMILO	2026-07-09	
CONSENT DESIGN			

PROJECT			
NZ TRANSPORT AGENCY			
WELLINGTON			
STATE HIGHWAY 1 WELLINGTON IMPROVEMENTS			
TITLE			
BASIN RESERVE			
BR-RW-01 & 11 - TYPICAL CROSS SECTION			
WSP PROJECT NO.	PROJ-ORIG-VOL-LOC-TYPE	SHEET NO.	REVISION
5-C4434.01	SH1WI-DES-BR-GEO-DRG	93115	A



3 BR-RW-02 & 12 TYPICAL CROSS SECTION
93110 SCALE: 1:100

NOTE:
THE GEOTECHNICAL INFORMATION PROVIDED ON THESE DRAWINGS FOR RETAINING WALLS, CUT SLOPES, GROUND IMPROVEMENT, AND FILL STRUCTURES IS INDICATIVE ONLY AND ALTERNATIVE SOLUTIONS COULD BE CONSIDERED. THIS INCLUDES WALL TYPE, CUT SLOPE ANGLE, FINISHED SURFACE, ANCHOR DEPTH AND TYPE, AND GROUND IMPROVEMENT METHODOLOGY

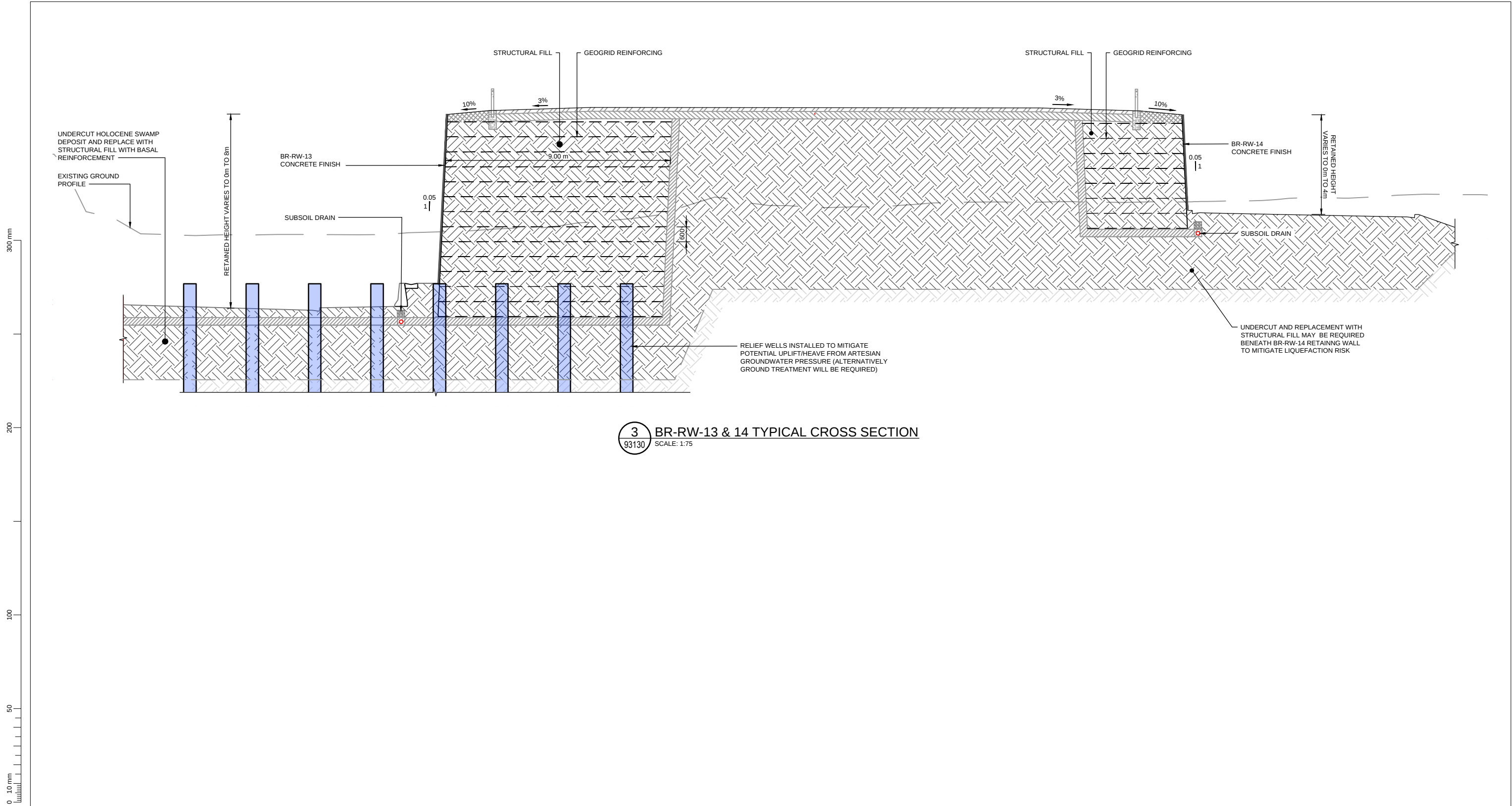
1:100 @ A1
1:200 @ A3
0 2000 4000 6000 8000 10000 mm

REVISION	AMENDMENT	APPROVED	DATE
A	CONSENT DESIGN	ES	2026-07-09



SCALES			ORIGINAL SIZE
1:100(A1)			A1
DRAWN	DESIGNED	APPROVED	
H. TIONGCO	Z. LIU	E. SUTTON	
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE	
Q. O'SHAUGHNESSY	R. RAMILO	2026-07-09	
CONSENT DESIGN			

PROJECT			
NZ TRANSPORT AGENCY			
WELLINGTON			
STATE HIGHWAY 1 WELLINGTON IMPROVEMENTS			
TITLE			
BASIN RESERVE			
BR-RW-02 & 12 - TYPICAL CROSS SECTION			
WSP PROJECT NO.	PROJ-ORIG-VOL-LOC-TYPE	SHEET NO.	REVISION
5-C4434.01	SH1WI-DES-BR-GEO-DRG	93116	A



3 BR-RW-13 & 14 TYPICAL CROSS SECTION
93130 SCALE: 1:75

NOTE:
THE GEOTECHNICAL INFORMATION PROVIDED ON THESE DRAWINGS FOR RETAINING WALLS, CUT SLOPES, GROUND IMPROVEMENT, AND FILL STRUCTURES IS INDICATIVE ONLY AND ALTERNATIVE SOLUTIONS COULD BE CONSIDERED. THIS INCLUDES WALL TYPE, CUT SLOPE ANGLE, FINISHED SURFACE, ANCHOR DEPTH AND TYPE, AND GROUND IMPROVEMENT METHODOLOGY

1:75 @ A1
1:150 @ A3

REVISION	AMENDMENT	APPROVED	DATE
A	CONSENT DESIGN	ES	2026-07-09



SCALES		ORIGINAL SIZE
1:75(A1)		A1
DRAWN	DESIGNED	APPROVED
H. TIONGCO	Z. LIU	E. SUTTON
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE
Q. O'SHAUGHNESSY	R. RAMILO	2026-07-09
CONSENT DESIGN		

PROJECT			
NZ TRANSPORT AGENCY			
WELLINGTON			
STATE HIGHWAY 1 WELLINGTON IMPROVEMENTS			
TITLE			
BASIN RESERVE			
BR-RW-13 & 14 - TYPICAL CROSS SECTION			
WSP PROJECT NO.	PROJ-ORIG-VOL-LOC-TYPE	SHEET NO.	REVISION
5-C4434.01	SH1WI-DES-BR-GEO-DRG	93135	A