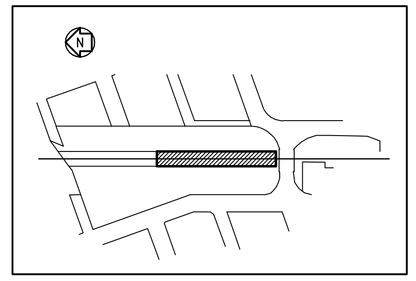
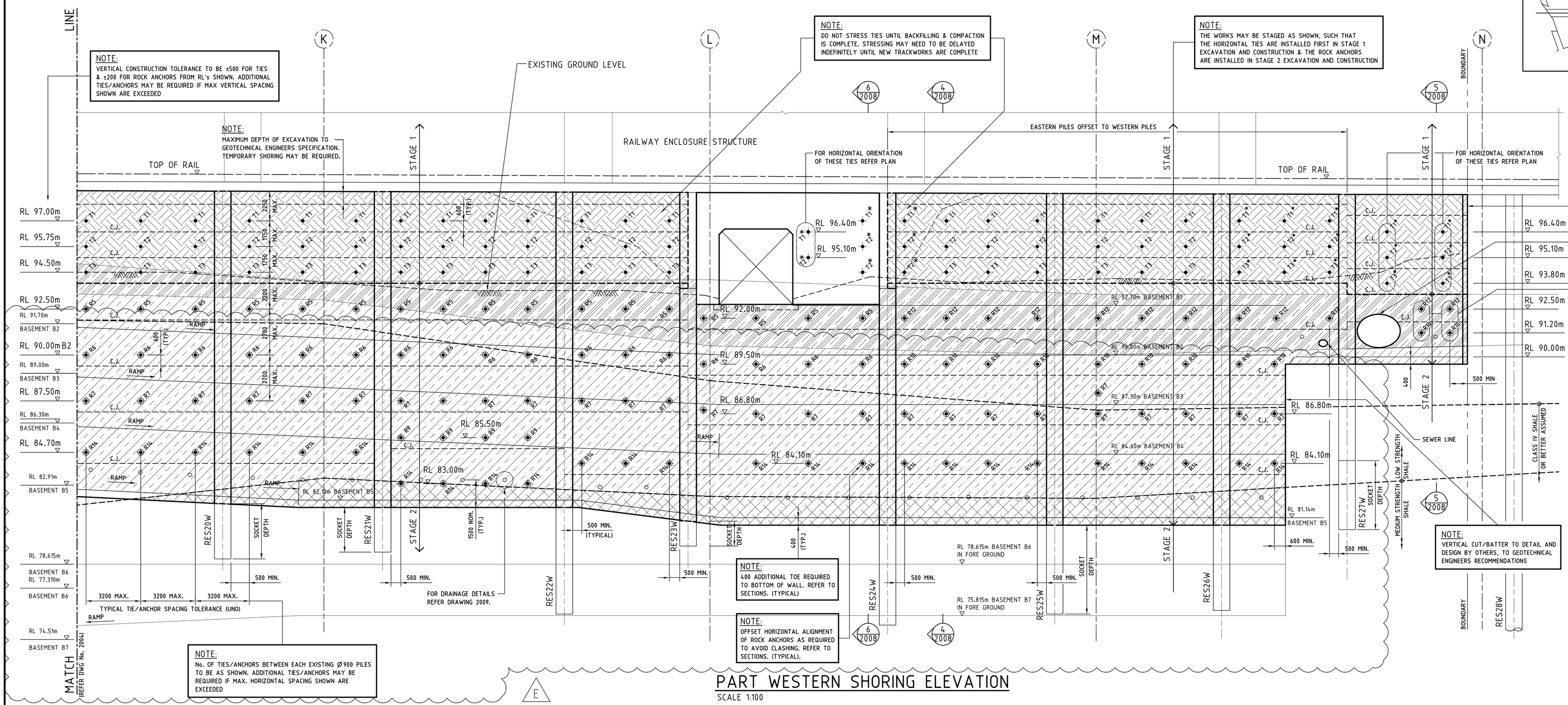
NOTES:

- FOR GENERAL, CIVIL & CONCRETE NOTES REFER TO DRAWING 2001.
- FOR SHOTCRETE NOTES REFER TO NOTE C5 ON DRAWING 2001.
- FOR SUGGESTED CONSTRUCTION PROCEDURE REFER TO DRAWING 2009.



LOCATION PLAN



PART WESTERN SHORING ELEVATION

SCALE 1:100

NOTES:

- EXISTING Ø450 PILES NOT SHOWN FOR CLARITY.
- MAXIMUM DEPTH OF EXCAVATION FOR CONSTRUCTION JOINT FOR UPPER AREAS TO GEOTECHNICAL ENGINEERS STRICT INSTRUCTIONS.
- ROCK ANCHOR CAPACITIES AND LENGTH TO 'DOUGLAS PARTNERS' DESIGN (TO ACCOUNT FOR WEDGE TYPE FAILURE). REFER SECTIONS.
- C.J. DENOTES CONSTRUCTION JOINT.
- THE STATE OF THE CLAY MAY MEAN TEMPORARY SHORING MEASURES SHALL HAVE TO BE IMPLEMENTED TO STABILISE THE EXCAVATION UNTIL PERMANENT SHORING WORKS IN THE AFFECTED AREAS CAN BE COMPLETED. BACKFILLING OF ANY VOIDS CREATED SHALL BE IN ACCORDANCE WITH THE GEOTECHNICAL SPECIFICATION.

ANCHOR LEGEND:

- T1 — PERMANENT HORIZONTAL TIES 3 x Ø15.2 SUPER STRANDS IN Ø100 HOLE FULL LENGTH FREE - HORIZONTAL
- T2 — PERMANENT HORIZONTAL TIES 3 x Ø15.2 SUPER STRANDS IN Ø100 HOLE FULL LENGTH FREE - HORIZONTAL
- T3 — PERMANENT HORIZONTAL TIES 5 x Ø15.2 SUPER STRANDS IN Ø125 HOLE FULL LENGTH FREE - HORIZONTAL
- R2 — NOT USED
- R3 — NOT USED
- R4 — NOT USED
- R5 — PERMANENT ROCK ANCHOR 7 x Ø15.2 SUPER STRANDS IN Ø150 HOLE 11000 APPROX FREE LENGTH, 8000 BOND LENGTH @ 30° TO HORIZONTAL
- R6 — PERMANENT ROCK ANCHOR 7 x Ø15.2 SUPER STRANDS IN Ø150 HOLE 8000 APPROX FREE LENGTH, 8000 BOND LENGTH @ 30° TO HORIZONTAL
- R7 — PERMANENT ROCK ANCHOR 7 x Ø15.2 SUPER STRANDS IN Ø150 HOLE 6000 APPROX FREE LENGTH, 8000 BOND LENGTH @ 30° TO HORIZONTAL
- R9 — PERMANENT ROCK ANCHOR 7 x Ø15.2 SUPER STRANDS IN Ø150 HOLE 4000 APPROX FREE LENGTH, 8000 BOND LENGTH @ 30° TO HORIZONTAL
- R10 — PERMANENT ROCK ANCHOR 7 x Ø15.2 SUPER STRANDS IN Ø150 HOLE 10000 APPROX FREE LENGTH, 8000 BOND LENGTH @ 30° TO HORIZONTAL
- R11 — NOT USED
- R12 — PERMANENT ROCK ANCHOR 7 x Ø15.2 SUPER STRANDS IN Ø150 HOLE 10000 APPROX FREE LENGTH, 10000 BOND LENGTH @ 30° TO HORIZONTAL
- R13 — NOT USED
- R14 — PERMANENT ROCK ANCHOR 7 x Ø15.2 SUPER STRANDS IN Ø150 HOLE 4000 APPROX FREE LENGTH, 6000 BOND LENGTH @ 30° TO HORIZONTAL

NOTE:
FOR ANCHOR LOADS REFER DWG No.2008

NOTE:
T1*,T2*,T3* TO BE STRESSED TO HALF THE VALUE. REFER TABLE DWG No.2008

E

STRATA LEGEND:

- FILL MATERIAL
- CLAY
- LOW STRENGTH SHALE
- MEDIUM STRENGTH SHALE

NOTE:
STIFF CLAYEY STRATA OR BETTER ASSUMED BELOW 1500mm FROM UNDERSIDE OF RAILWAY FOOTING BEAMS. GEOTECHNICAL ENGINEER TO CONFIRM DURING EXCAVATION. STRATA AND/OR WALL STRENGTHENING MEASURES MAY BE REQUIRED IF SOFTER STRATA IS FOUND.

NOTE:
STRATA BOUNDARIES SHOWN ARE INDICATIVE ONLY, SHALE LEVELS TO BE CONFIRMED BY GEOTECHNICAL ENGINEER DURING EXCAVATION.
ALSO REFER TO 'DOUGLAS PARTNERS' REPORT 28994A DATED JANUARY 2001 FOR ROCK PROFILES.
STAGING OF WORKS IN ACCORDANCE WITH GEOTECHNICAL ENGINEER'S REQUIREMENTS ON SITE - THIS WILL DEPEND ON SITE CONDITIONS FOUND DURING EXCAVATION.

ISSUED FOR CONSTRUCTION

E. REVISED TO INCLUDE BASEMENTS 5-7		16.07.10
D. ISSUED FOR CONSTRUCTION OF BUILDING G		26.05.08
C. R7 ANCHORS REPOSITION BETWEEN RES21W & RES23W SECT 3 FROM DWG 2004		24.01.06
B. DRAWING No. REVISED TO HPA SYSTEM FROM C5 TO 2005		29.08.02
A. ISSUED FOR CONSTRUCTION		18.07.02
6. ISSUED FOR CONSTRUCTION REVIEW		05.07.02
5. ISSUED FOR TENDER		24.05.02
4 ISSUED FOR INFORMATION	–	20.05.02
AMENDMENT	APP'D	DATE

	BY	CHECKED	DATE
DESIGN	CS	AJE	
DRAWN	MH		
APPROVED	JMP		

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TITLE
7 RAILWAY STREET
CHATSWOOD

SHORING
WESTERN ELEVATION
SHEET 2

STATUS

SCALE	PLOT DATE
AS SHOWN	

FILE

FEATURE IDENTIFIER	CODE	SHEET	REVISION
11768	–	2005	E