

KARORI RD MAKARA RD ∠WOODHOUSE AVE ALLINGTON RD-SOUTH KARORI RD BRIDGE NO. 2 CULVERT ∠BRIDGE NO. 3 OLD WOODEN STRUCTURE LOCATION SCALE 1=20000 NOTES FOR SHOTCRETING EXISTING NORTH ABUTMENT

- AREA TO BE SHOTCRETED IS TO BE WATERBLASTED OR SIMILARLY CLEANED BEFORE BEING COATED.
- ALL LOOSE MATERIAL ON FACE OF ABUTMENT IS TO BE REMOVED BEFORE ABUTMENT IS COATED WITH SHOTCRETE.
- 3 MINIMUM COAT THICKNESS TO BE APPLIED IS 25mm.
- SHOTCRETE IS TO BE FEATHERED INTO EXISTING ABUTMENT 2m UPSTREAM FROM FACE OF ABUTMENT TO BE COATED.
- THE GAP AT THE DOWNSTREAM END OF THE ABUTMENT FACE TO BE COATED IS TO BE FILLED WITH SHOTCRETE.
- THE DEPRESSIONS ON THE ABUTMENT FACE ARE ALSO TO BE FILLED WITH SHOTCRETE.
- SHOTERETING IS TO BE DONE WHEN STREAM IS AT ITS NORMAL LOW LEVEL, AND SHINGLE AT BASE OF ABUTMENT IS NOT UNDER WATER.
- THE AREA TO BE COATED WITH SHOTCRETE IS MARKED ON THE EXISTING ABUTMENT WITH PAINT.

FIELD BOOK NO	F292	PAGES	32-39	FIELDWORK	A RICHARDSON	5/90	NO	AMENDMENTS	DATE
STADIA BOOK NO	-	PAGES	-	DESIGN	A RICHARDSON	5/90	Α		
LEVEL BOOK NO	L333	PAGES	21	DRAWN	A RICHARDSON	6/90	В		
CALC BOOK NO	C157	PAGES	25-40	DRAWING CHECKED			С		
ORIGIN OF LEVELS	ASSUMED			DESIGN CHECKED			D		
FILE REF	35/107	77/4			BRIDGE.PAL		E		
REFERENCE PLANS	-			WORK COMPLETED			F		

SOUTH KARORI RD BRIDGE No. 3, REPLACEMENT OF DECK

PLAN, SHOTCRETE DETAILS SCALES AS SHOWN

WELL	INGTO	N CITY	COUNCI
h	IORKS	DEPAR	TMENT
CIVIL	ENGIN	EERING	DIVISI
			200

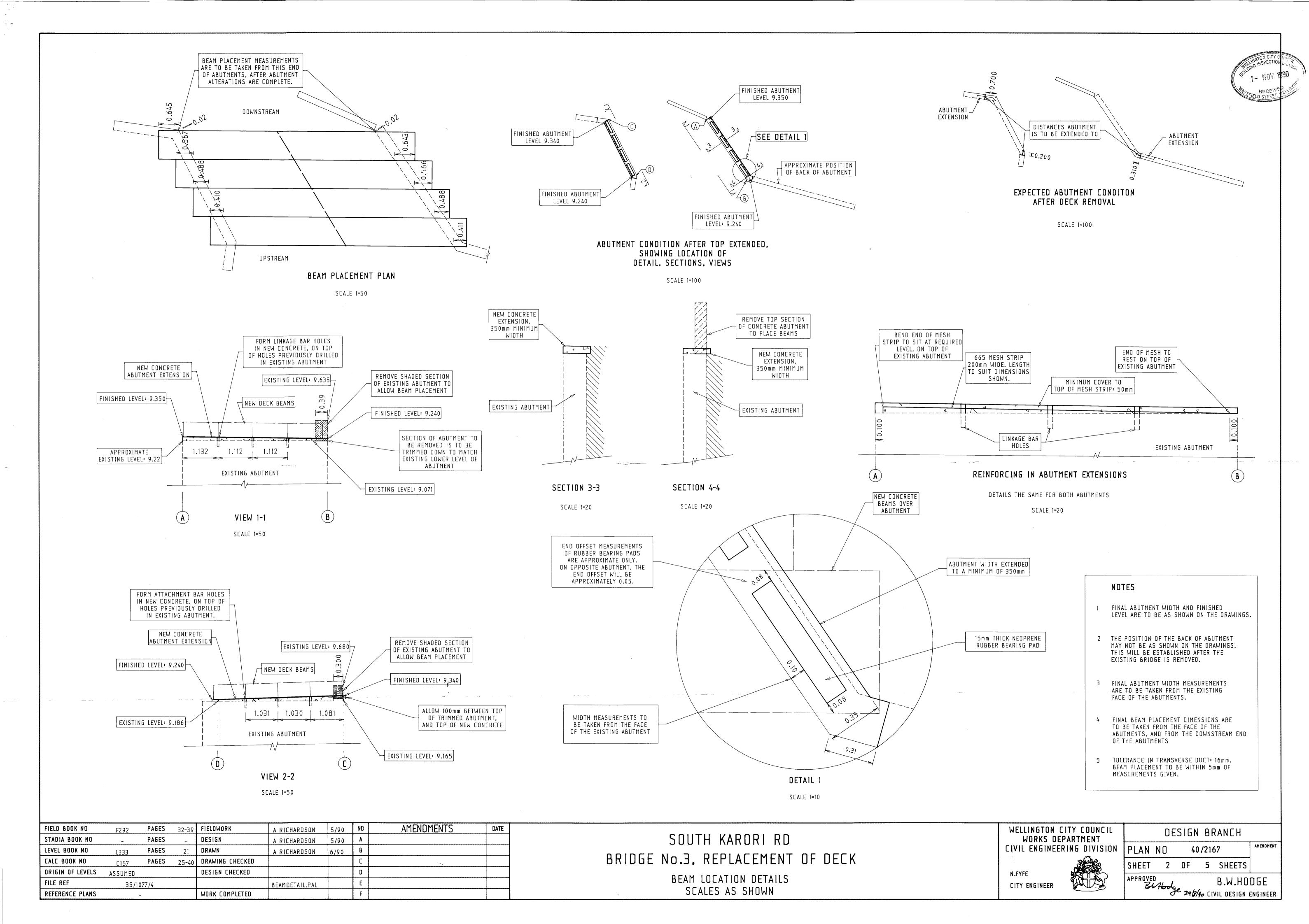
	200
N.FYFE	
CITY ENGINEER	

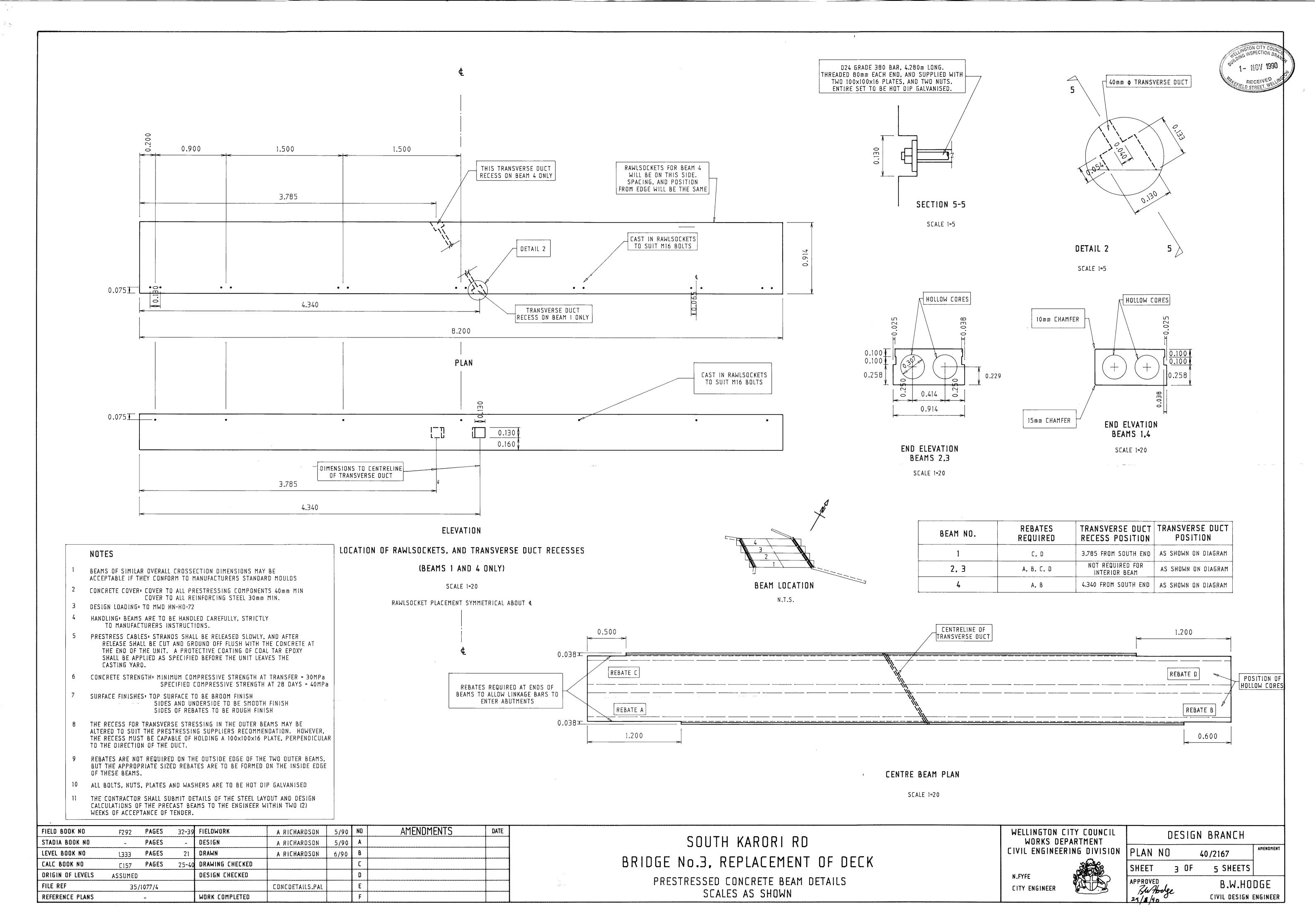
IL		D	ESIGN	BRANCH
ION	PLAN	NO	40	/2167

APPROVED Buttodge

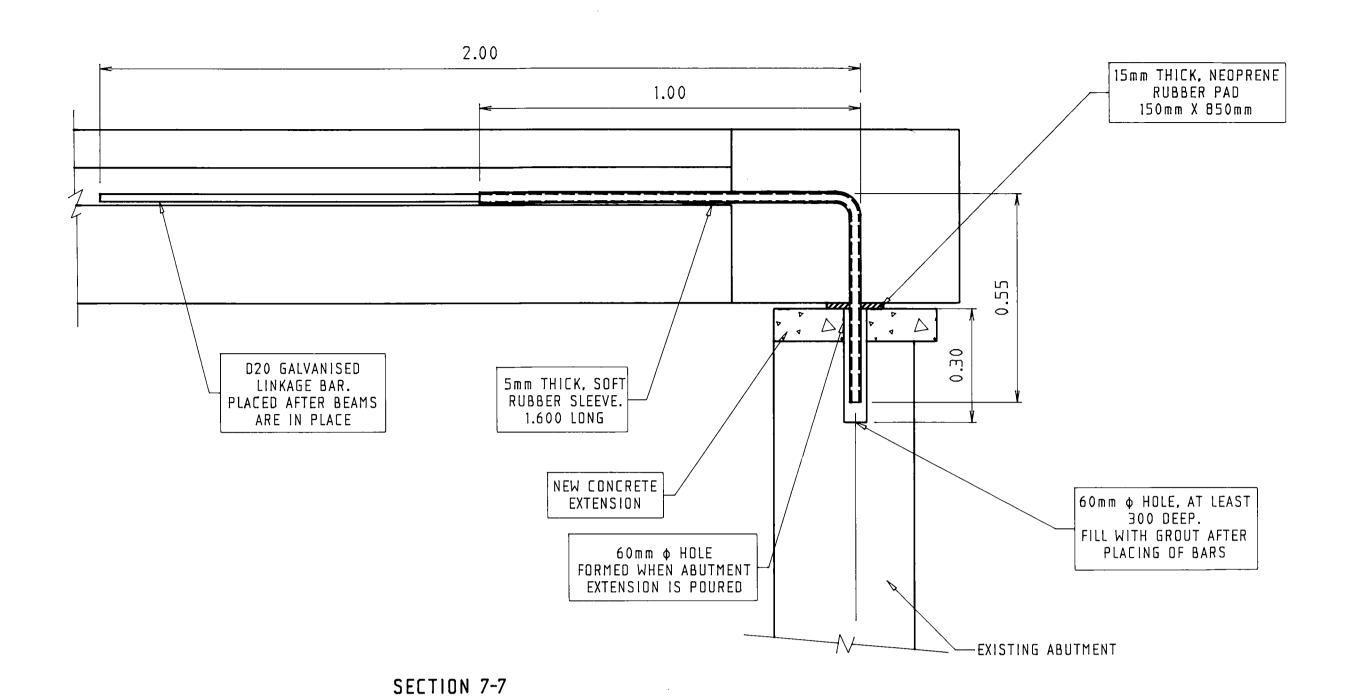
1 OF 5 SHEETS B.W.HODGE CIVIL DESIGN ENGINEER

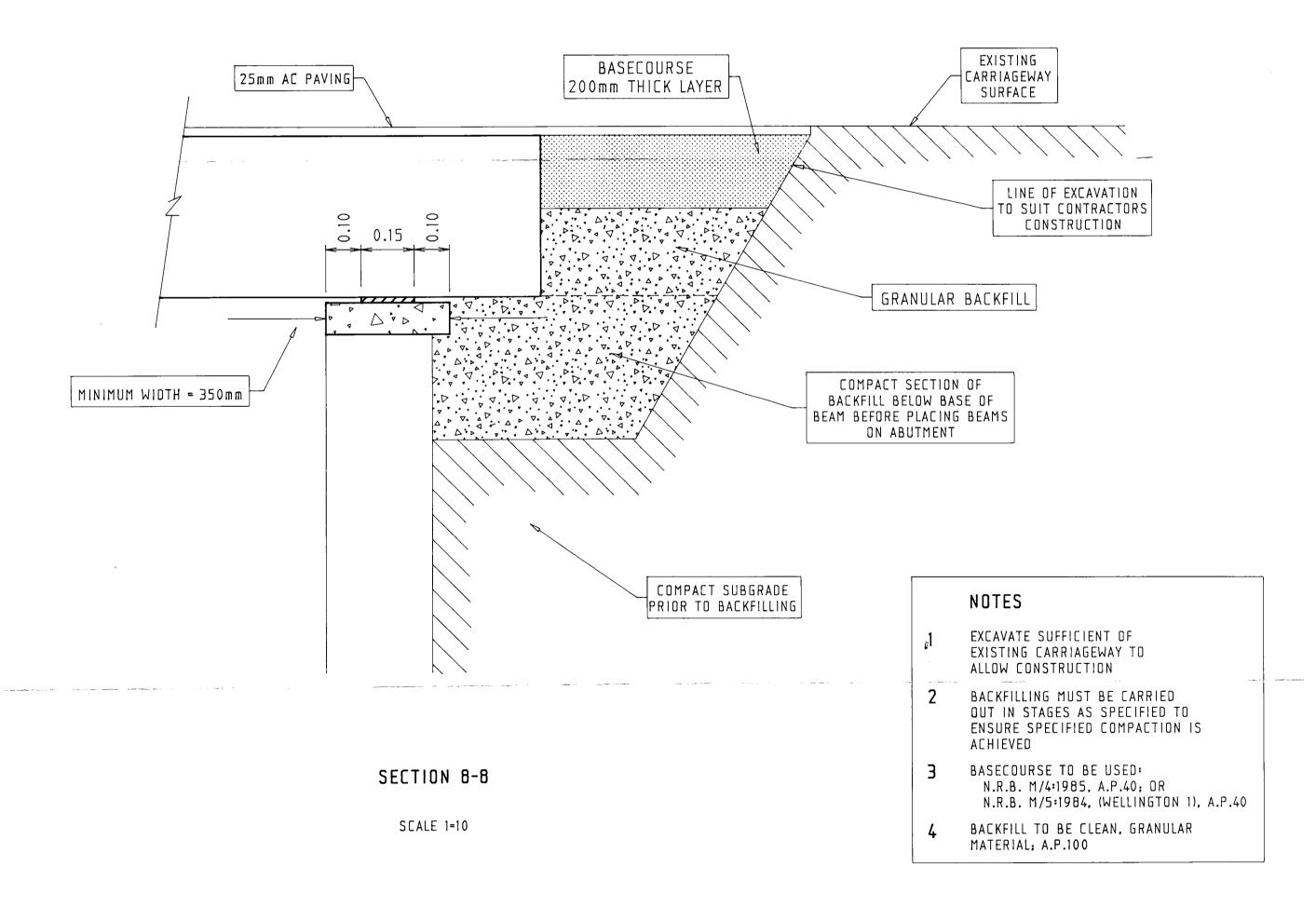
AMENDMENT

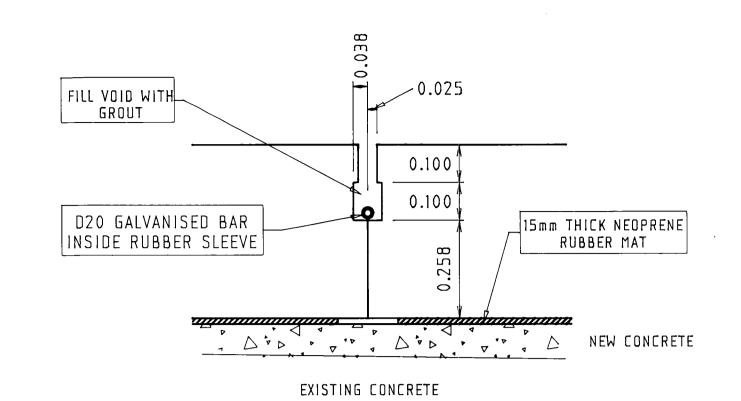




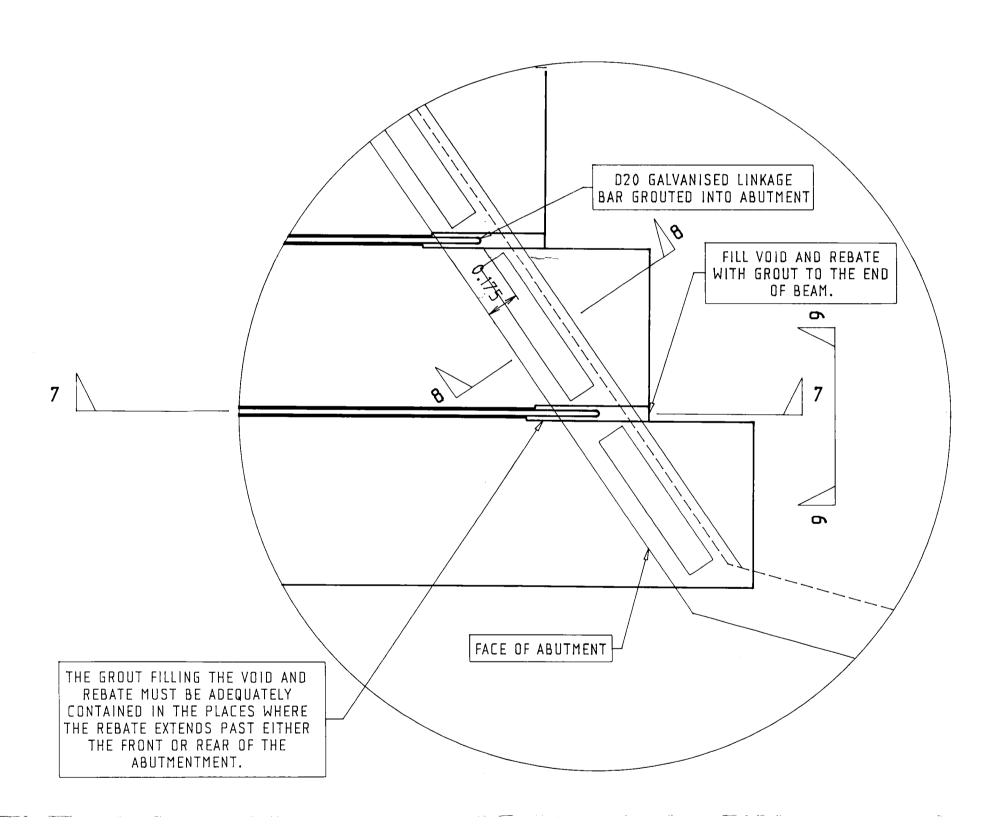








VIEW 9-9SCALE 1=10



BEAM END PLAN

SCALE 1=20

FIELD BOOK NO	F292	PAGES	32-39	FIELDWORK	A RICHARDSON	5/90	NO	AMENDMENTS	DATE
STADIA BOOK NO	-	PAGES	-	DESIGN	A RICHARDSON	5/90	A		
LEVEL BOOK NO	L333	PAGES	21	DRAWN	A RICHARDSON	6/90	В		
CALC BOOK NO	C157	PAGES	25-40	DRAWING CHECKED			С		
ORIGIN OF LEVELS	ASSUMED			DESIGN CHECKED			0		
FILE REF	=	35/1077/4			ATTACH.PAL		E		
REFERENCE PLANS		40/2167		WORK COMPLETED			F		

SCALE 1=10

SOUTH KARORI RD

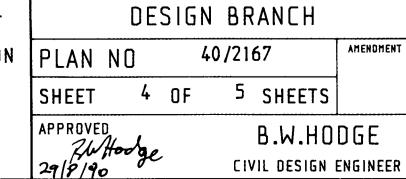
BRIDGE No. 3, REPLACEMENT OF DECK

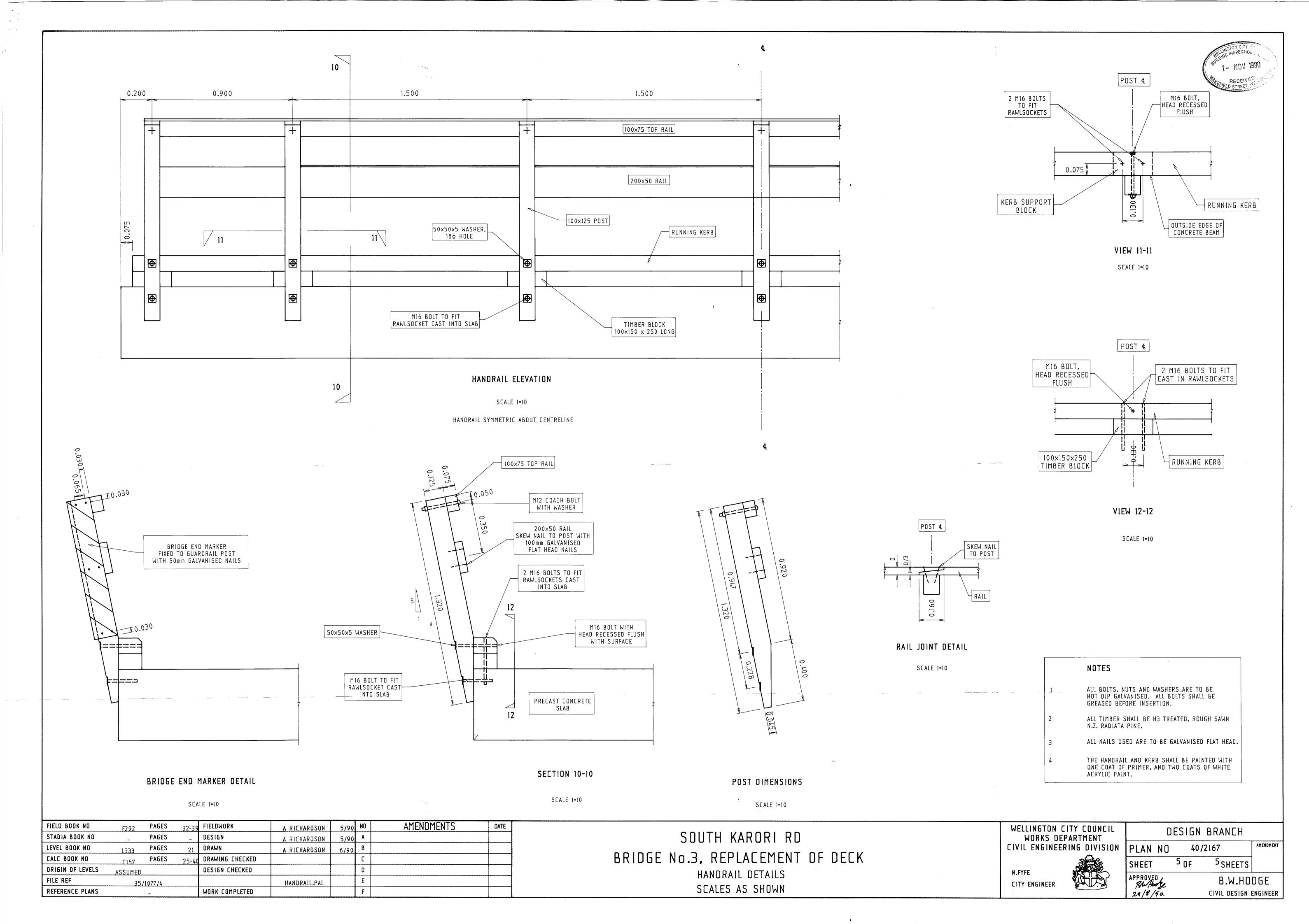
ATTACHMENT DETAILS

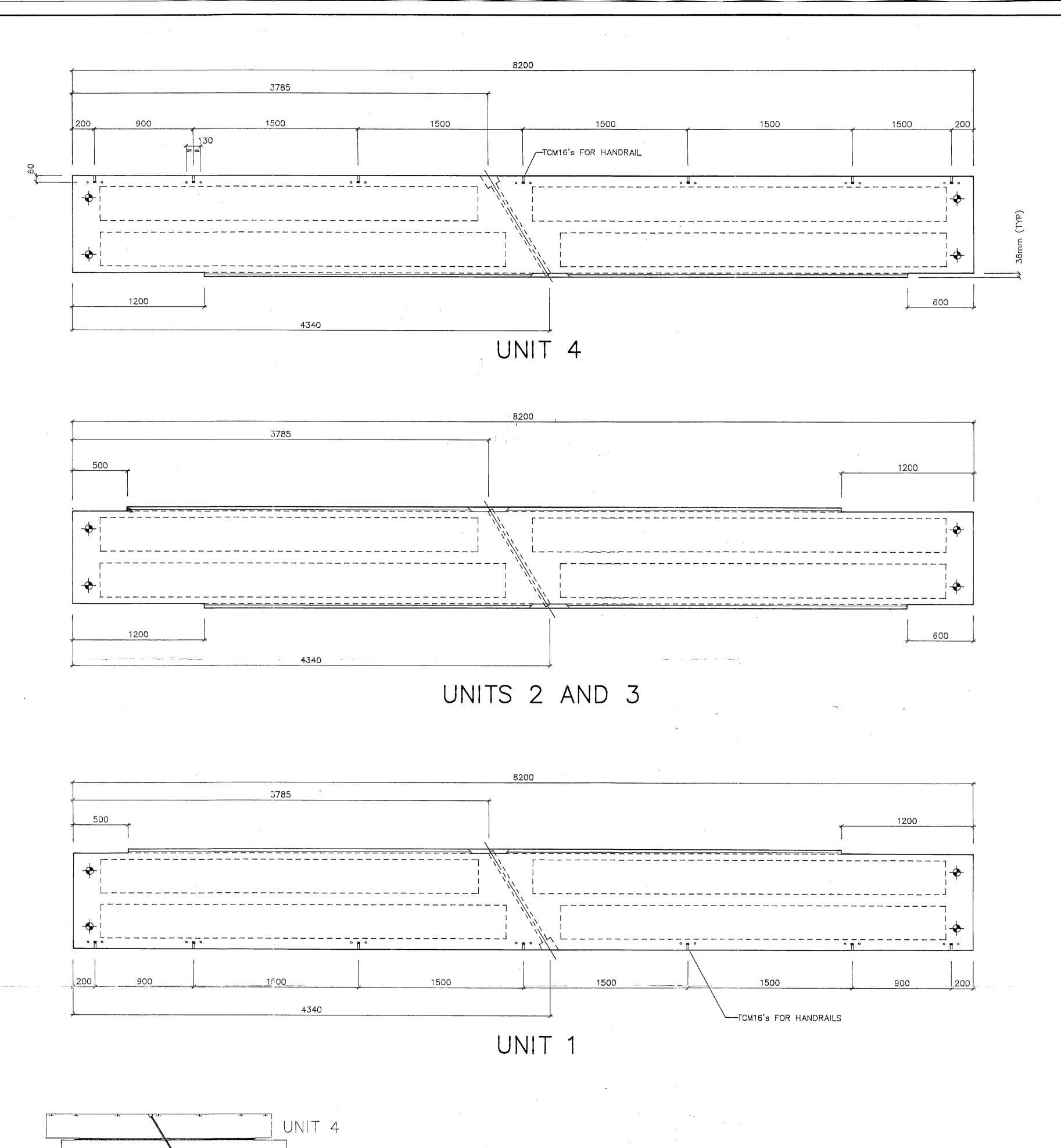
SCALES AS SHOWN

WELLINGTON CITY COUNCIL
WORKS DEPARTMENT
CIVIL ENGINEERING DIVISION PLAN NO

N.FYFE CITY ENGINEER







KEY PLAN

Revision

Date

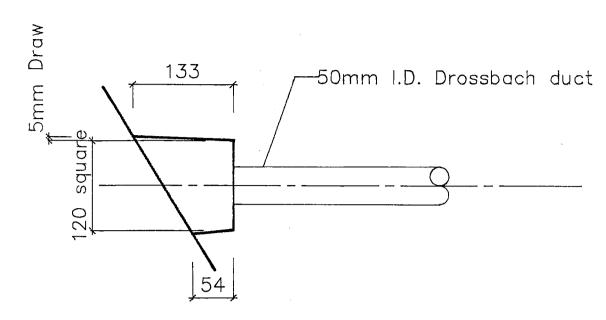
Distribution

3No to Juno Const.

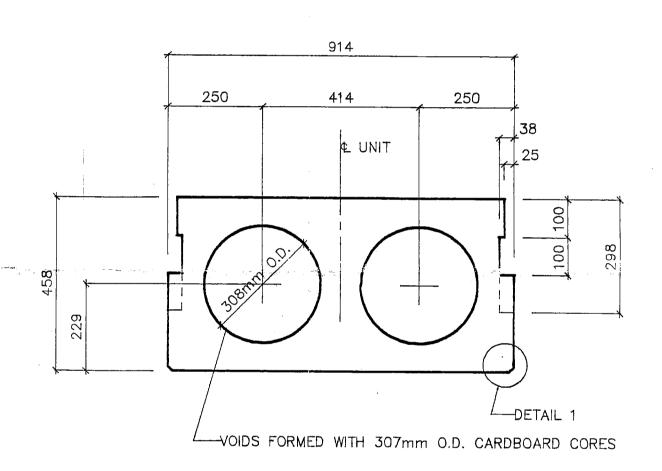
Date

29.10.90

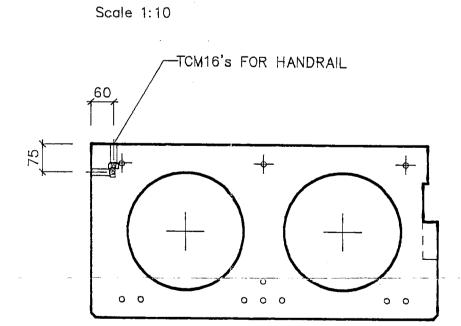




TRANSVERSE DUCT
Scale 1:5



INNER UNIT TYPICAL SECTION



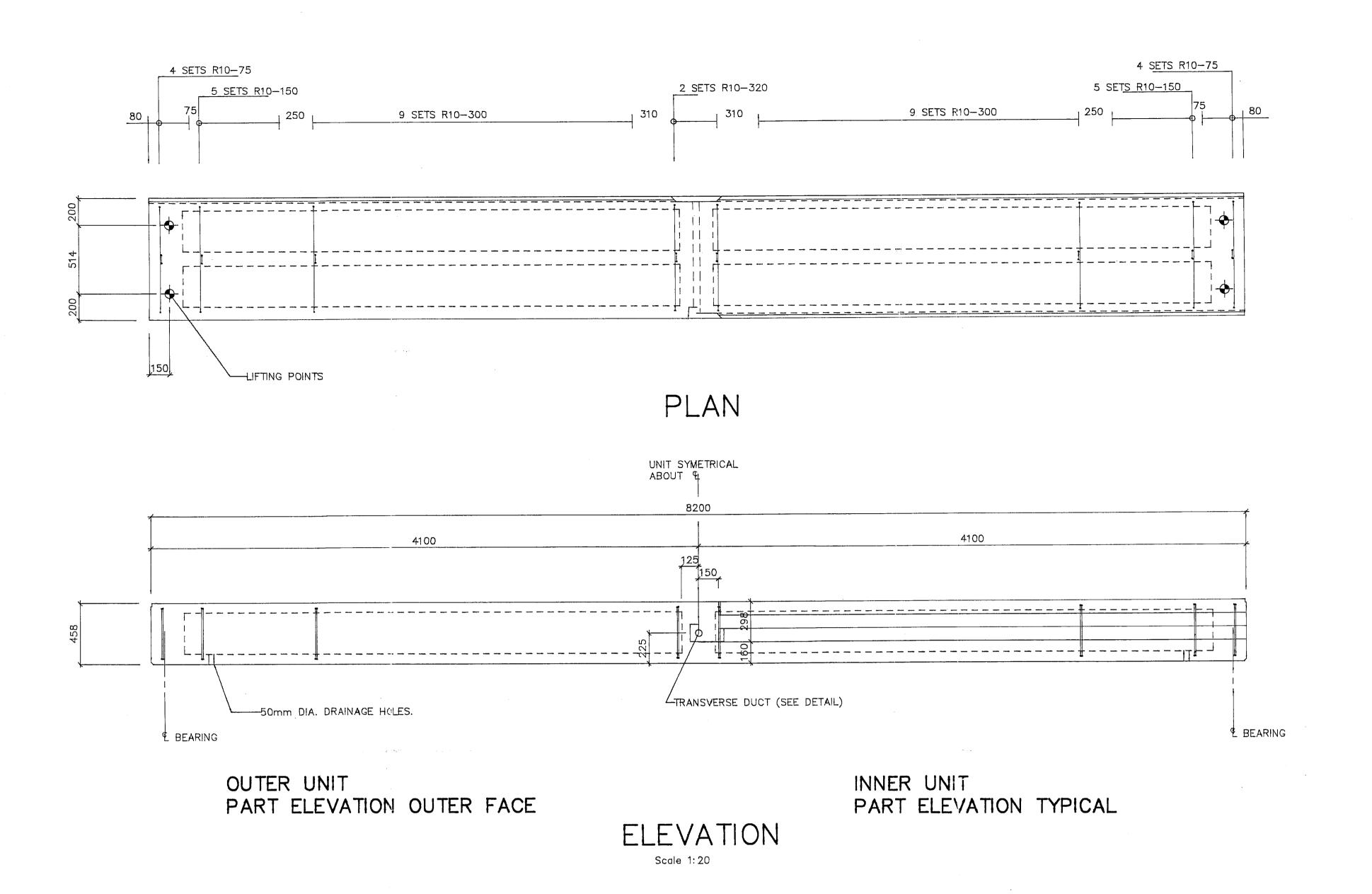
OUTER UNIT TYPICAL SECTION



30die 1.10	
Scales: AS SHOWN	Precision Precasting
Drawn: M.D.Williams	(WGTN) Ltd
Date 24/10/90	Private Bag, Otaki. Phone (069) 48126, Fax (069) 48344

No.3 BRIDGE KARORI STH. RD. WELLINGTON PRESTRESSED D.H.C. BEAMS 914 x 458 x 8.200

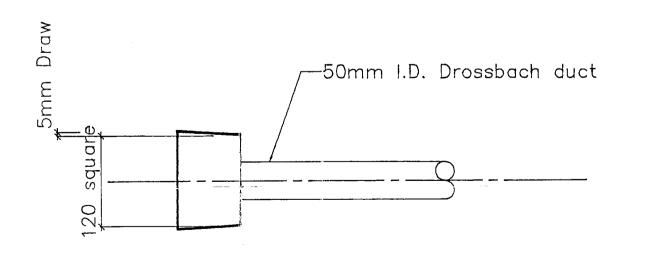
PP664



REINFORCEMENT (Per beam)				
BAR	No. OFF	CUT LENGTH	DESCRIPTION	
R10	38	1035	785	
R10	38	1730	785	
R10	38	575	85 1 1 395	

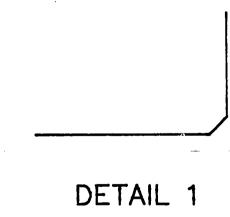
NOTES

- 1. Strand = 12.9 mm dia 7 wire strand with an U.T.S. of 186kN.
- 2. PRESTRESSING: Average initial prestressing force per strand = 0.74 x 186kN (Force prior to release).
- 3. TOLERANCES
- Length = +- 15mm Cross section = + 6mm Strand = +- 3mm Hogging = +- 12mm
- 4. HANDLING; Units are only to be lifted and or dunnaged within the first 500mm in from each end of the beams.
- 5. FINISHES;
- Top surface broom finished
 Shear key chequered plate finish
 Elsewhere off the form finish
- 6. CONCRETE STRENGTH;
 28.5 MPa compressive strength at release
 40 MPa compressive strength at 28 days
- 7. After release strands are to be cut flush with the concrete at each end of the unit. The ends of the unit are then to be co. ted up to 50mm below the top of the unit with a coating of mulseal.



TRANSVERSE DUCT Scale 1:5

ssue	Revision	Initials	Date	Issue	Distribution	Date
	,			Prelim	3N° to Juno Const.	29.10.90



Scale 1:2

INNER UNIT

Scale 1:10

TYPICAL SECTION

OUTER UNIT TYPICAL SECTION

Scale 1:10

Scales: AS SHOWN	Precision Precasting
Drawn: M.D. Williams	(WGTN) Ltd
Date 10/10/90	Private Bag, Otaki. Phone (069) 48126, Fax (069) 48344

275 50 82

TYPICAL STRAND LAYOUT

TYPICAL REINFORCEMENT

414

& UNIT

VOIDS FORMED WITH 307mm O.D. CARDBOARD CORES

DETAIL 1

No.3 BRIDGE KARORI STH. RD. WELLINGTON PRESTRESSED D.H.C. BEAMS 914 x 458 x 8.200

PP664
No.

Date

29.10.90

— Precision Precasting