



Y SWYDDFA GYMREIG
Adran y Cyfarwyddwr Priffyrdd

WELSH OFFICE
Highways Directorate

A55 LLANDYGÂI I GAERGYBI A55 LLANDEGAI TO HOLYHEAD

PROJECT DYLUNIO ADEILADU CYLLIDO A GWEITHREDU DESIGN BUILD FINANCE AND OPERATE PROJECT

Atodlen 4 Gofynion Adeiladu
a Dychwelyd
Schedule 4 Construction and
Handback Requirements

Rhan 5 Lluniadau Ffolio 6 o 6
Part 5 Drawings Folio 6 of 6

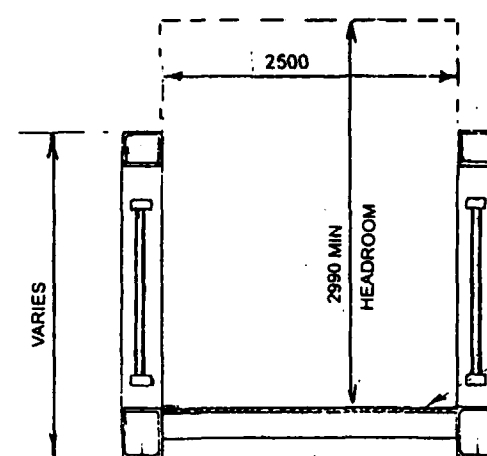
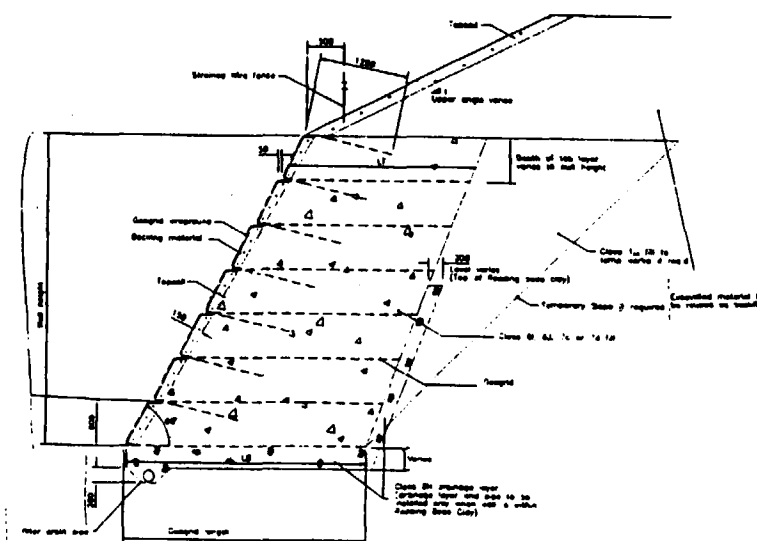
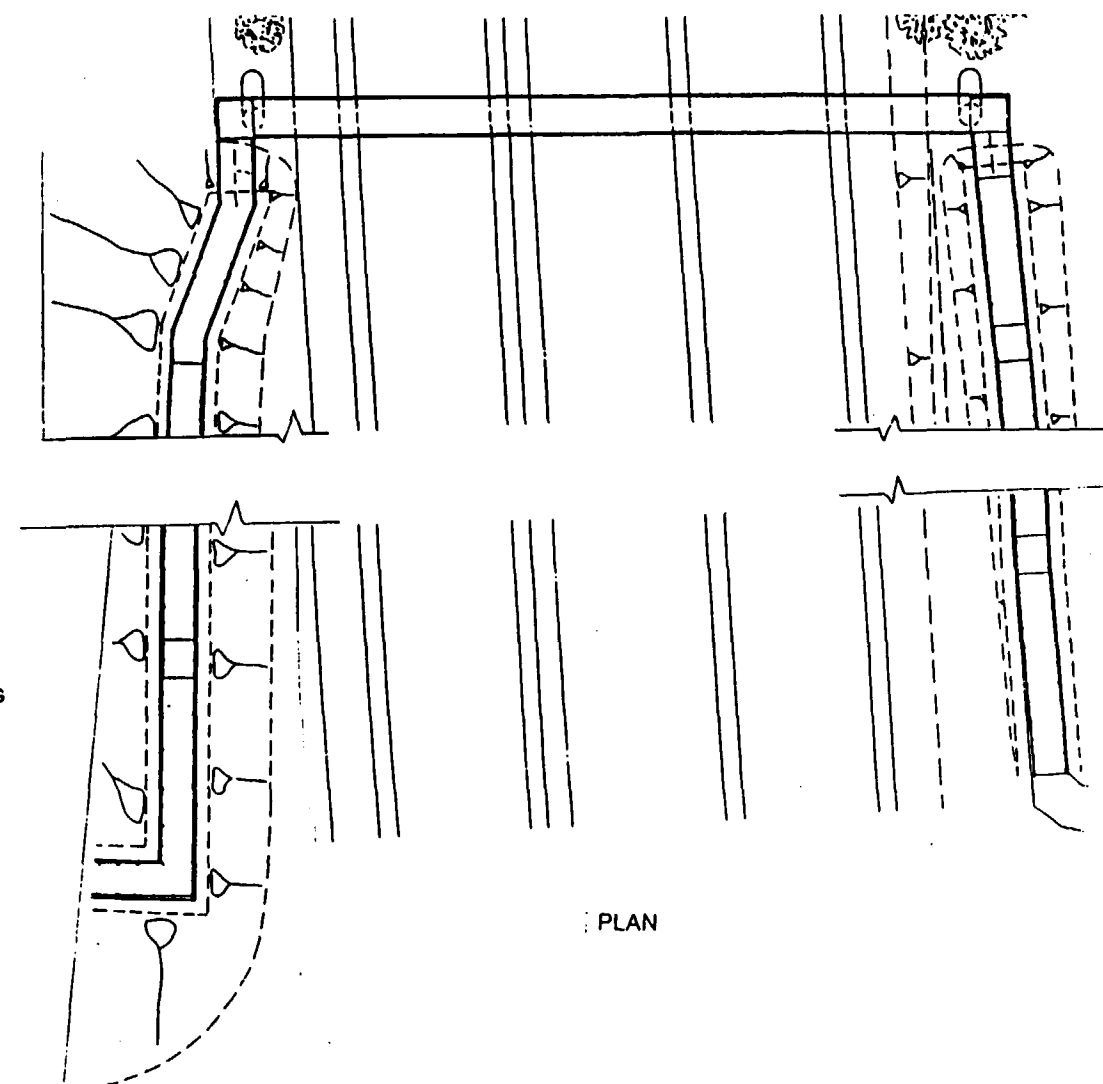
Adran 10(rhan)
Section 10(part)

Rhagfyr 1998
December 1998

Section 10 (part)

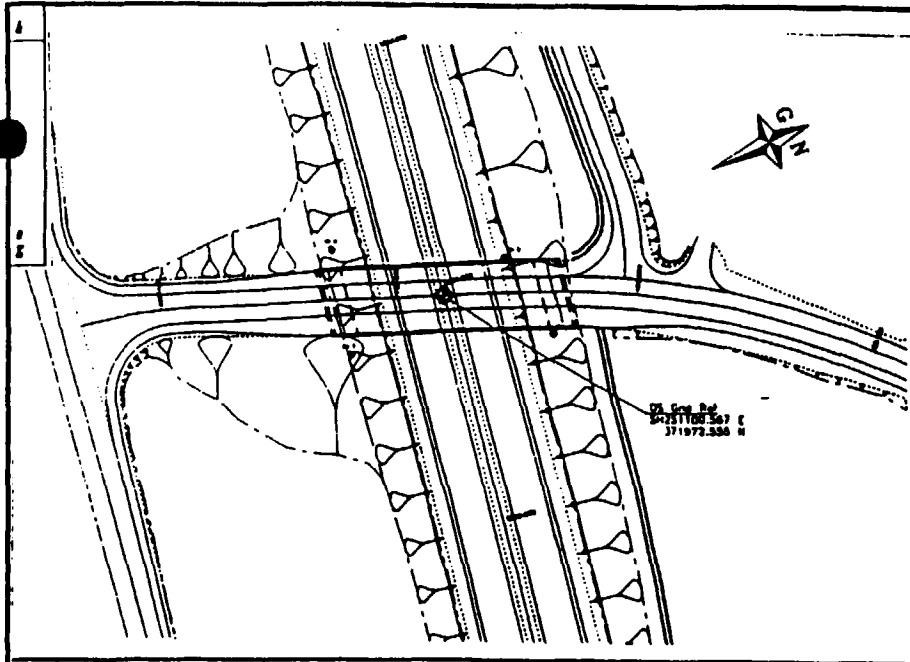
(A2 size Section 10 drawings are contained in Folio 6 of 6)

AB

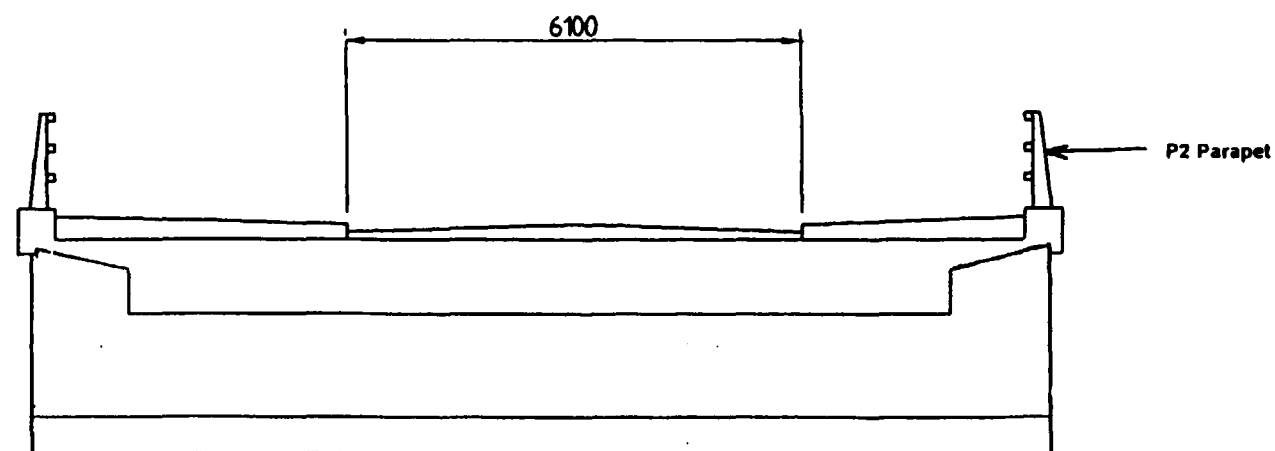


SECTION A - A

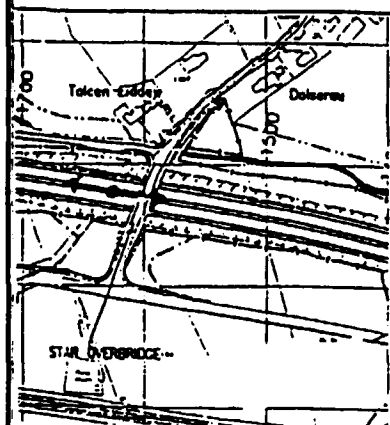
5M CICOLET
OR SIMILAR NON-SLIP COATING



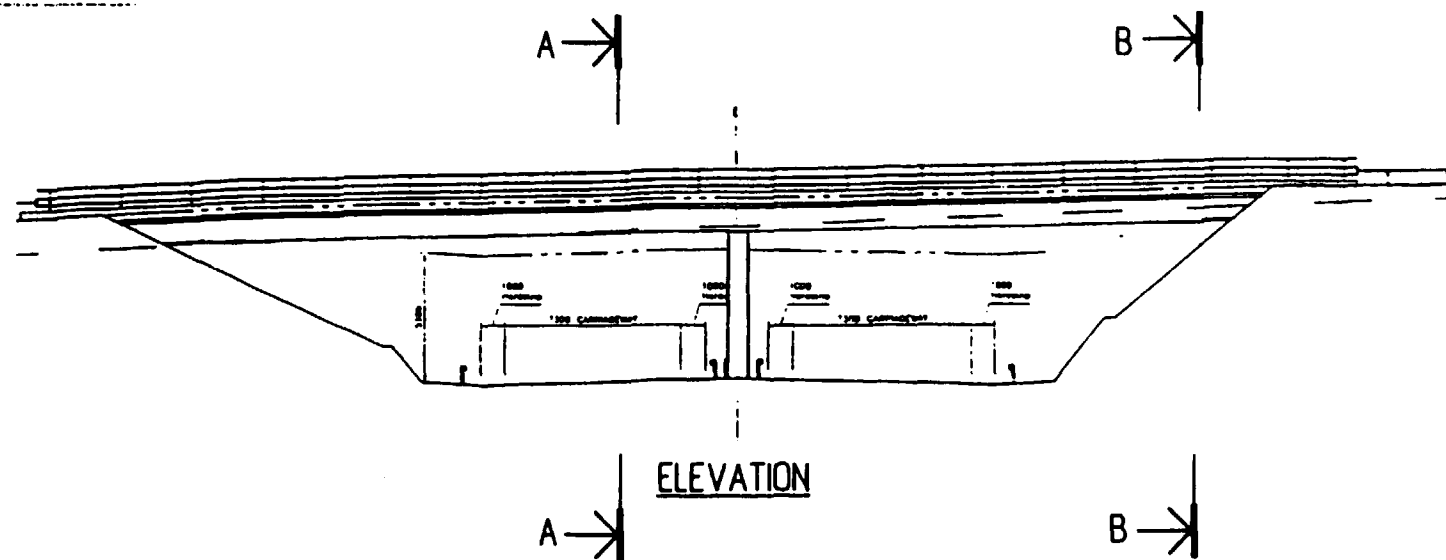
PLAN ON STAR ACCESS OVERBRIDGE



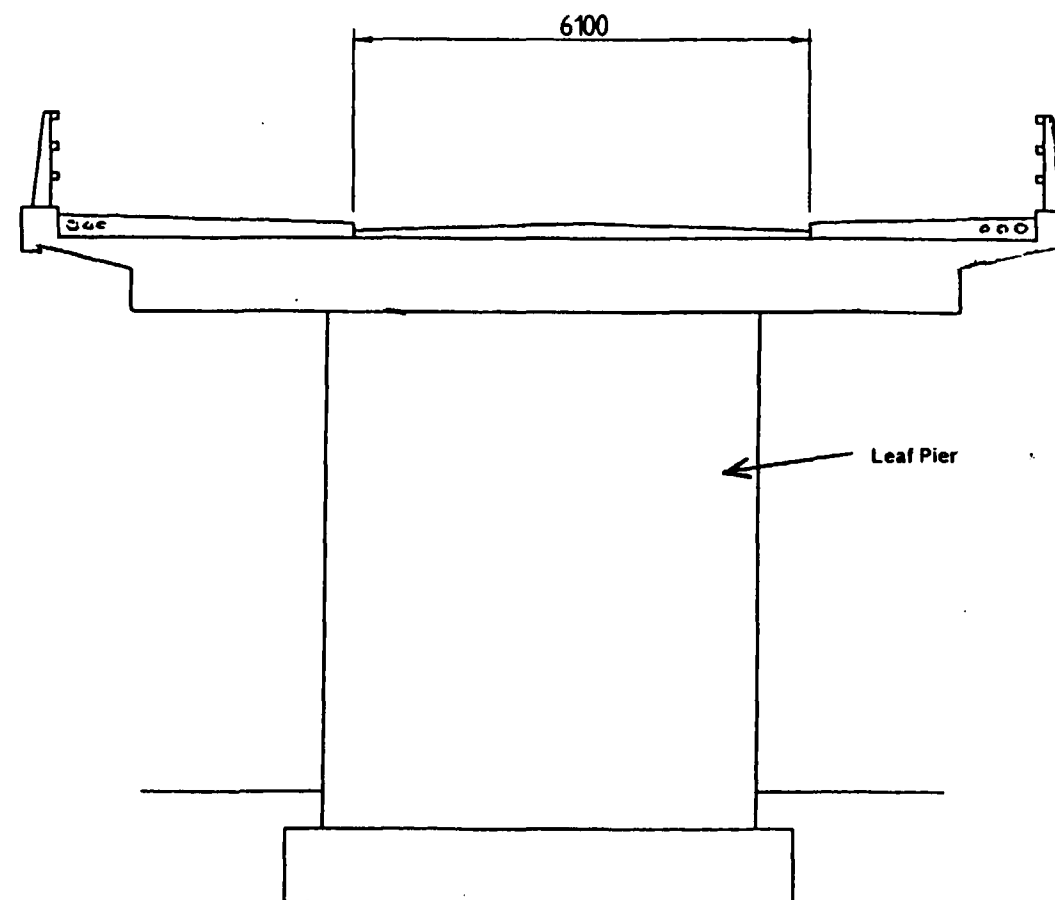
SECTION B-B



LOCATION PLAN



ELEVATION



SECTION A-A

Designed J.P. Drawn O.S.B. Datum

CAD Ref.

Rev.	Description of Issue / Revision	Drawn	Chk.	Appd.	Date
2	REVISED FOR BAFO	JP	OSB	JP	2/98
1	TENDER SUBMISSION	JP	OSB	JP	3/95

Notes

- DRAWING IS INDICATIVE ONLY, NOT TO SCALE
- CONCRETE GRABBERS
- BLINDING CONCRETE
- PARAPET STIFFING COARSE
- OTHER STRUCTURAL CONCRETE

FINISHES

- P2 TO PARAPET
- P2 TO PARAPET FINISH
- P2 TO EXPOSED CANTILEVER
- P2 TO ALL OTHER CONCEALED FACES
- P2 TO PIER WALL FACES
- P2 TO SHOTCRETE AND ABUTMENT FACES - 1% EXPOSED WEIGHT
- P2 TO ALL EXPOSED FACES
- P2 TO FACES RECEIVING WATERPROOFING
- P2 TO ALL OTHER CONCEALED FACES

UK Highways plc

Tarmac ^{TD} LAING

Y SWYDDFA GYMREIG
Adran y Cylarwyddwr Prifffyrdd
WELSH OFFICE
Highways Directorate

Hyder

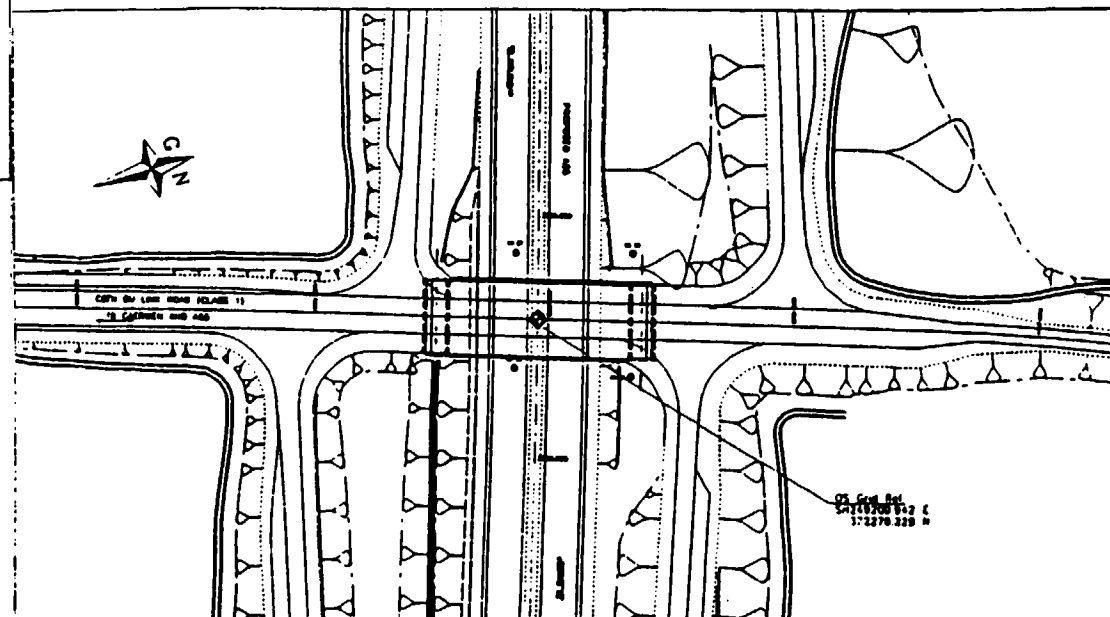
STAR OVERBRIDGE
OPTION 1

A55 LLANDEGAI TO HOLYHEAD
DBFO PROJECT

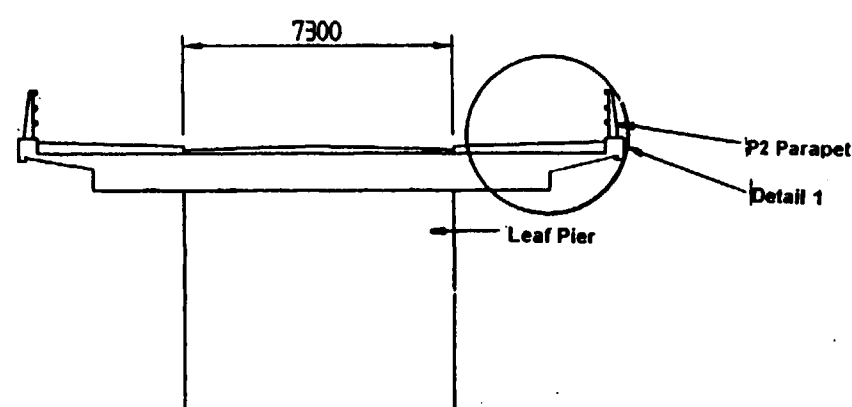
Scale
A1 N.T.S.
Date
APRIL 1998
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U.K.H-103

2

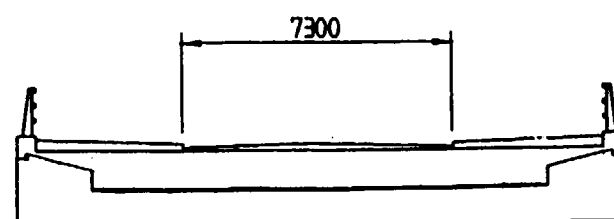
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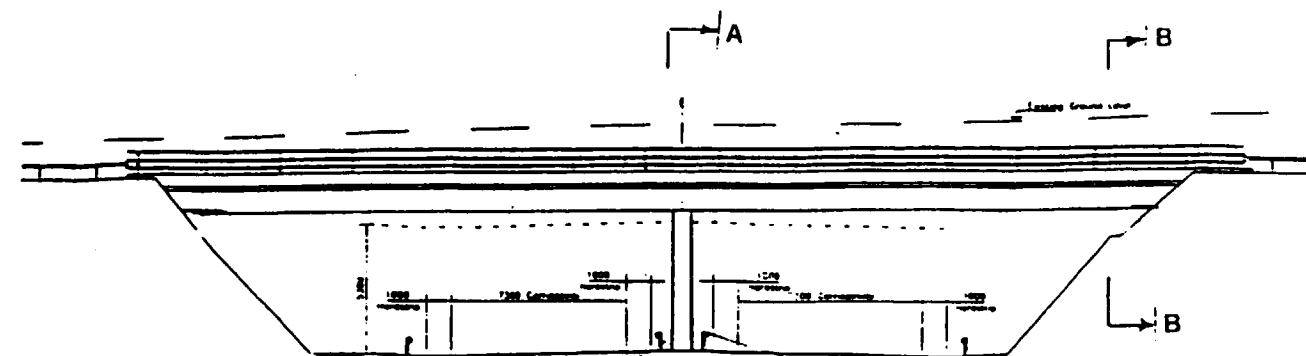
LOCATION PLAN



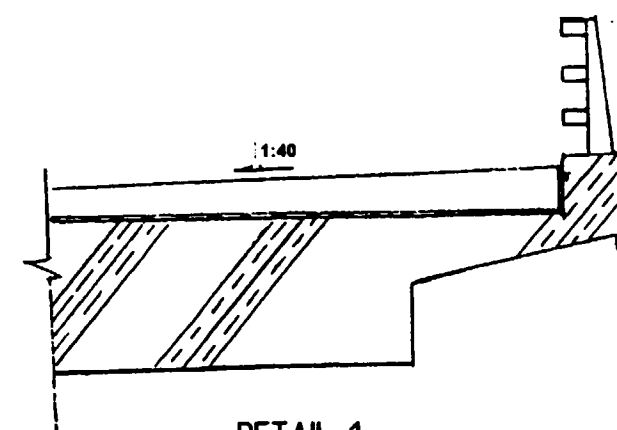
SECTION A-A



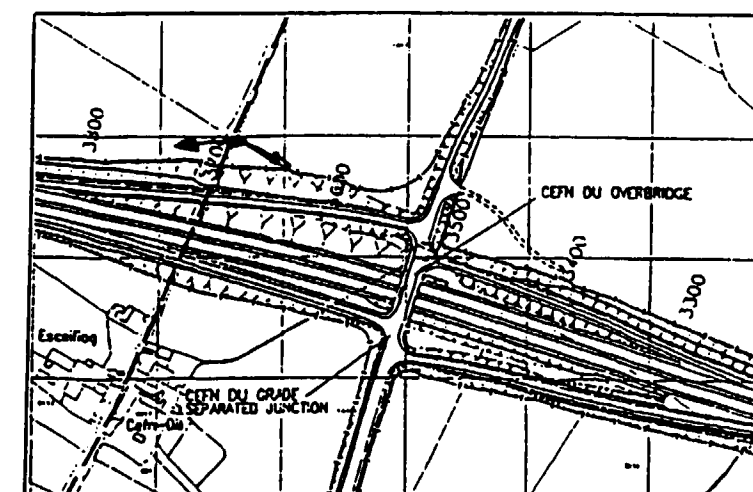
SECTION B-B



EAST ELEVATION

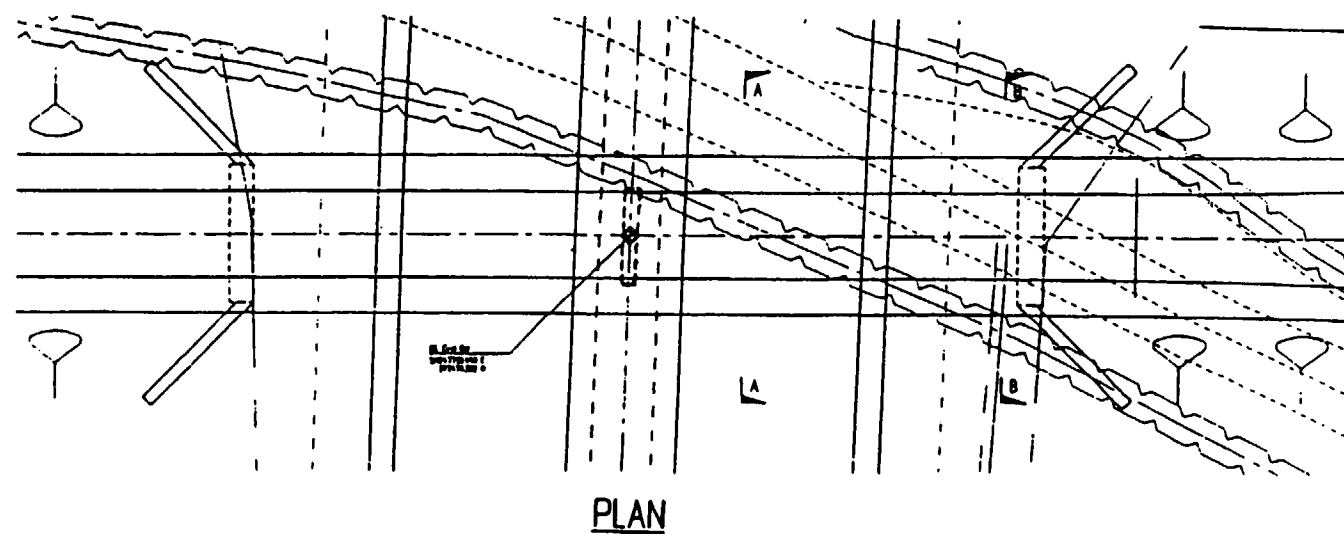
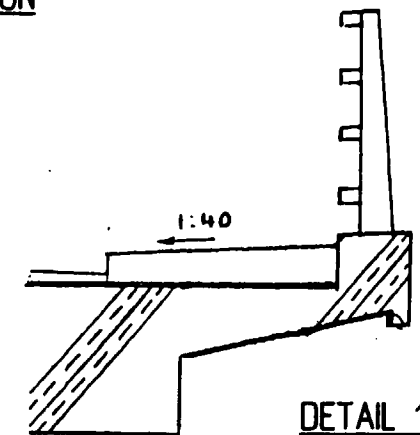
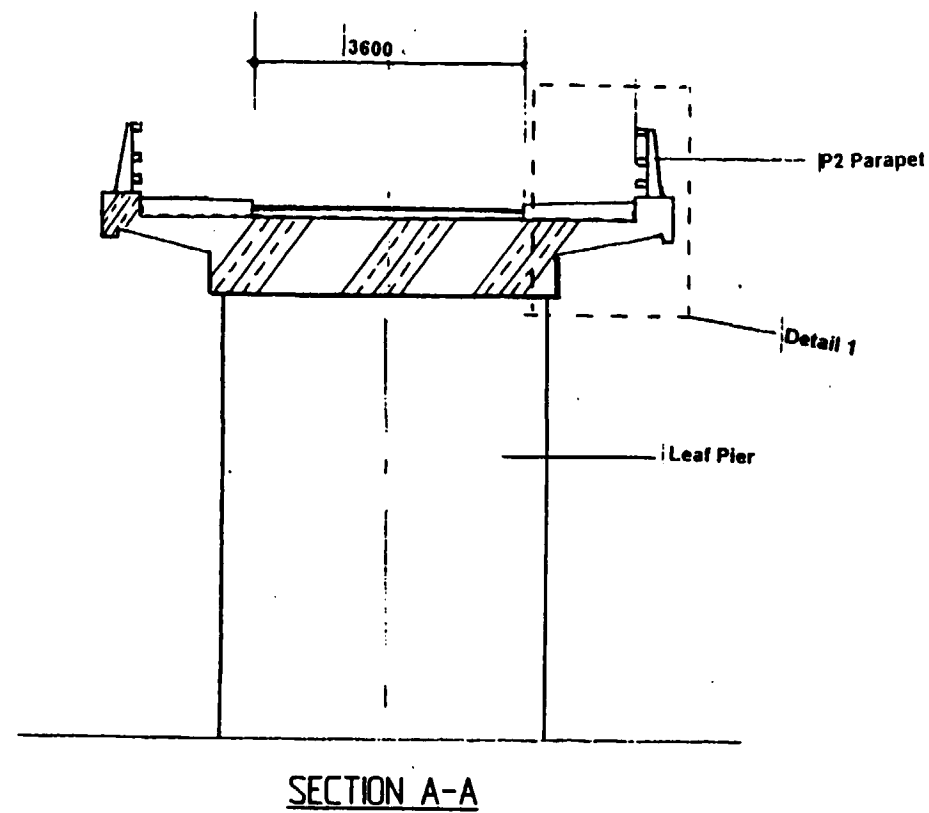
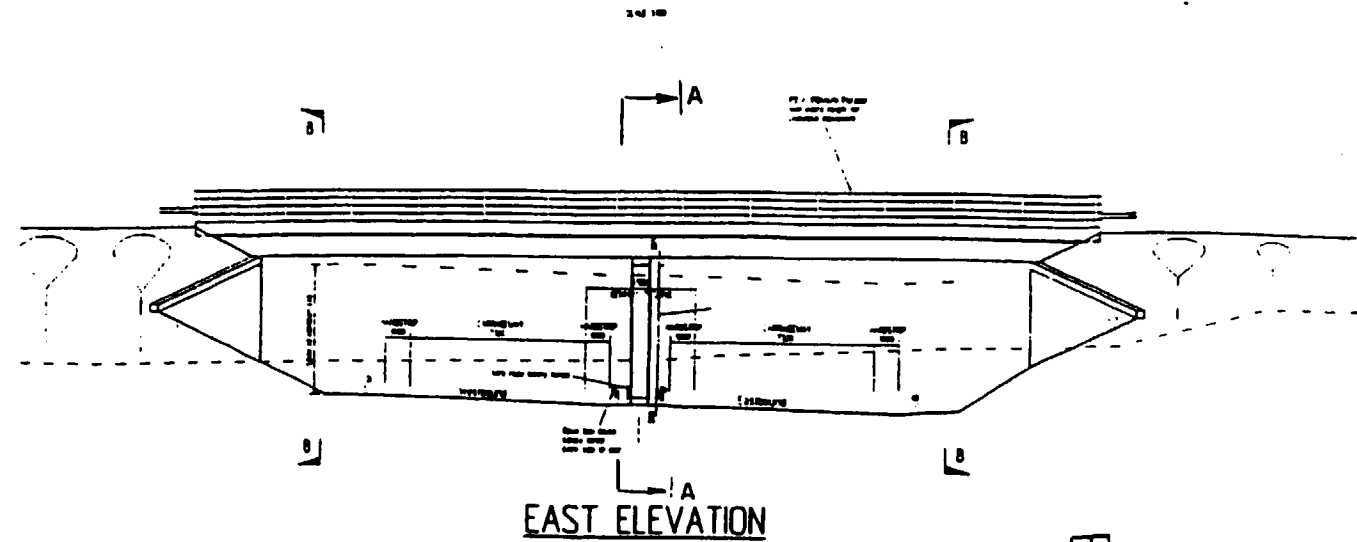
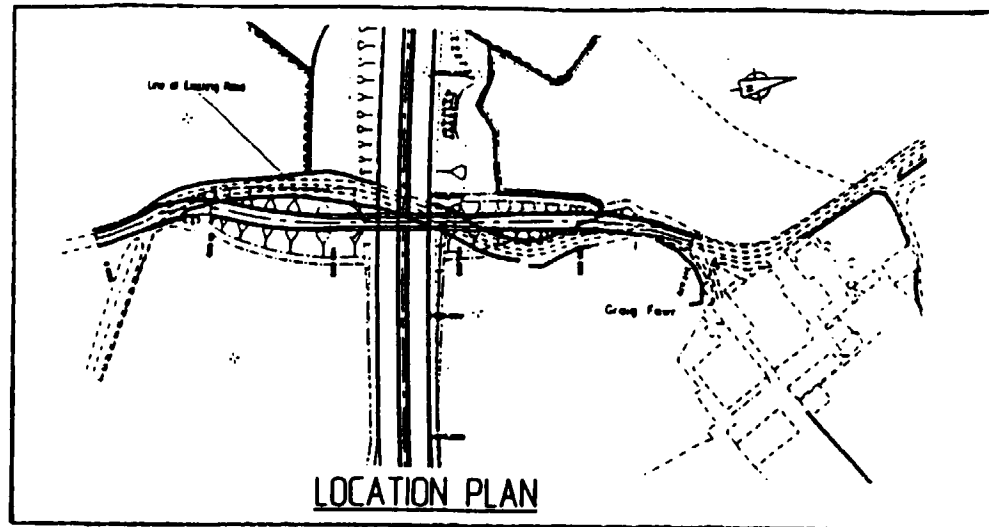


DETAIL 1

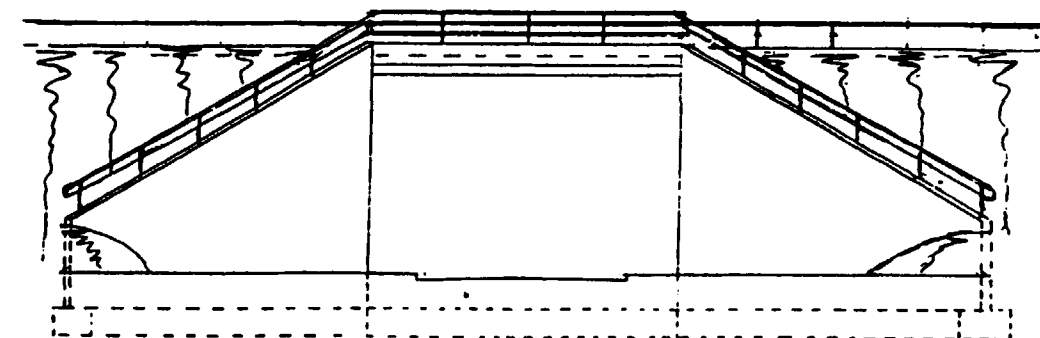
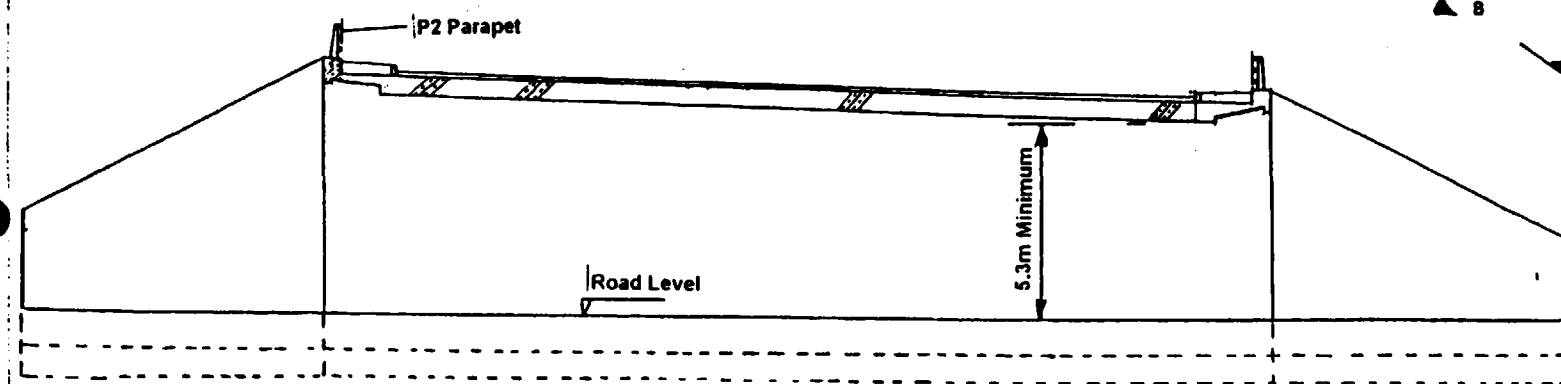
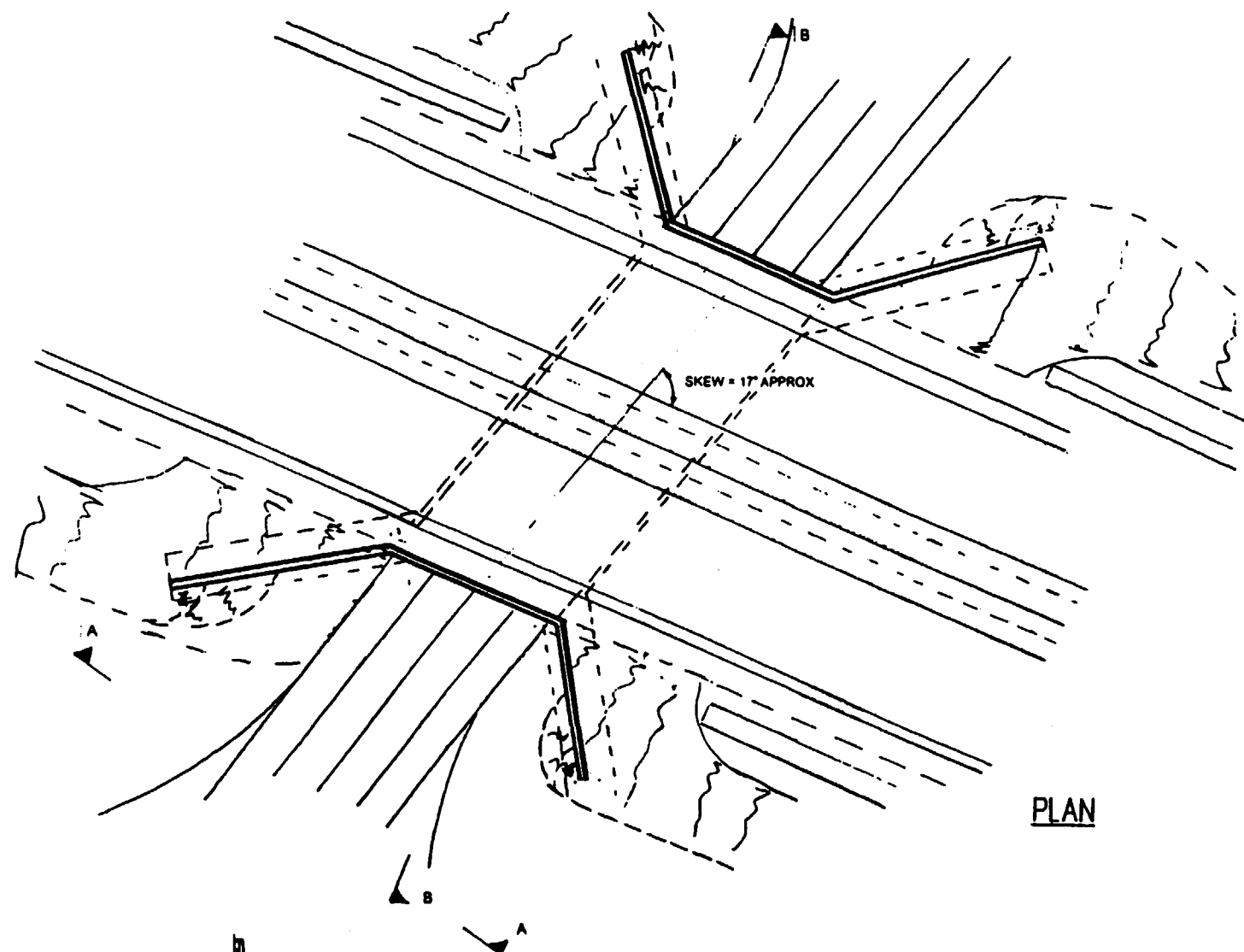
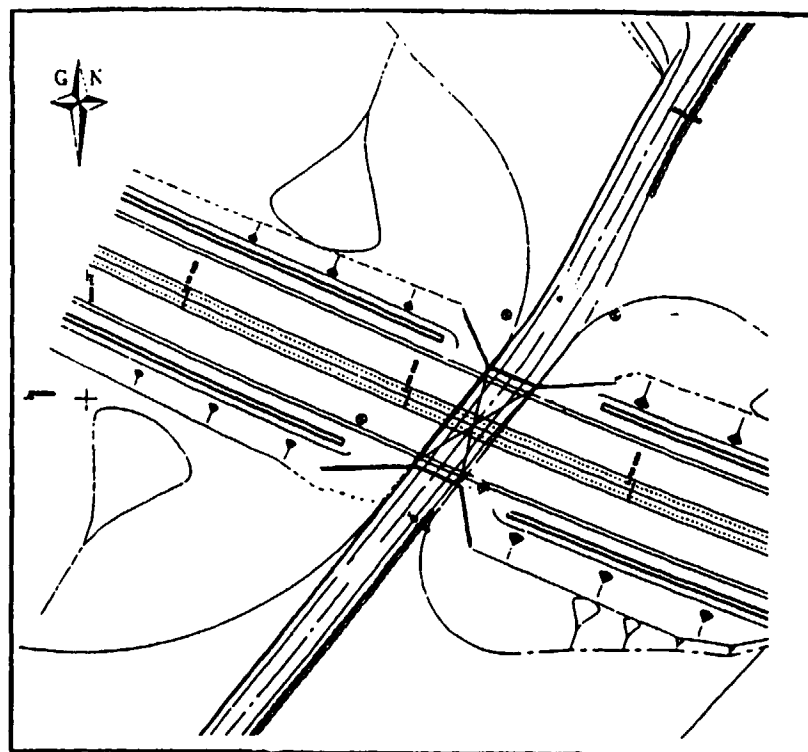


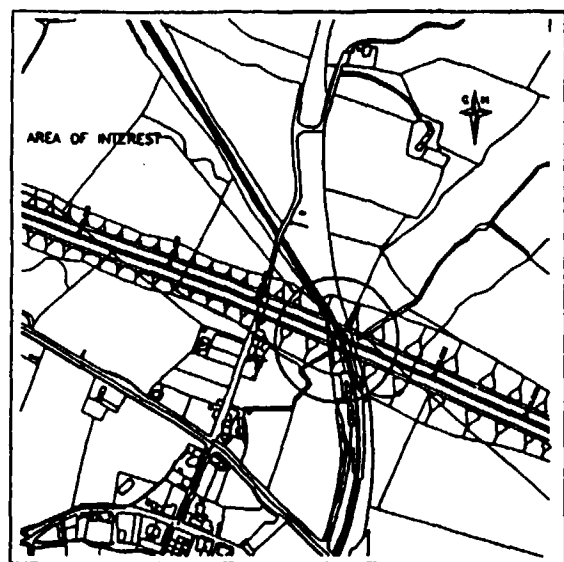
LOCATION PLAN

Designed JP	Drawn DSB	Checked					UK Highways plc Y SWYDDFA GYMREIG Adran y Cylarwyddwr Prifffyrdd WELSH OFFICE Highways Directorate		CEFN DU OVERBRIDGE A55 LLANDEGAI TO HOLYHEAD DBFO PROJECT	
2 REVISED FOR BAFO 1 TENDER SUBMISSION			2 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
Rev. Description of Issue / Revision			Drawn	Checked	Approved	Date	Notes: 1. DRAWING IS INDICATIVE ONLY. NOT TO SCALE. 2. CONCRETE GRADE: CLASS C35/40 3. PARAPET: CLASS C35/40 4. OTHER STRUCTURAL CONCRETE: CLASS C35/40 5. FINISHES: P1 TO PARAPET FLYING P2 TO EXPOSED CANTILEVER P3 TO ALL OTHER CONCRETE FACES P4 TO FILL WALL FACES P5 TO WINGWALL AND ABUTMENT FACES 1/2 EXPOSED HEIGHT P6 TO ALL EXPOSED FACES P7 TO FACES RECEIVING WATERPROOFING P8 TO ALL OTHER CONCRETE FACES		Scale: A1 N.T.S. Date: APRIL 1998 Copyright Reserved	

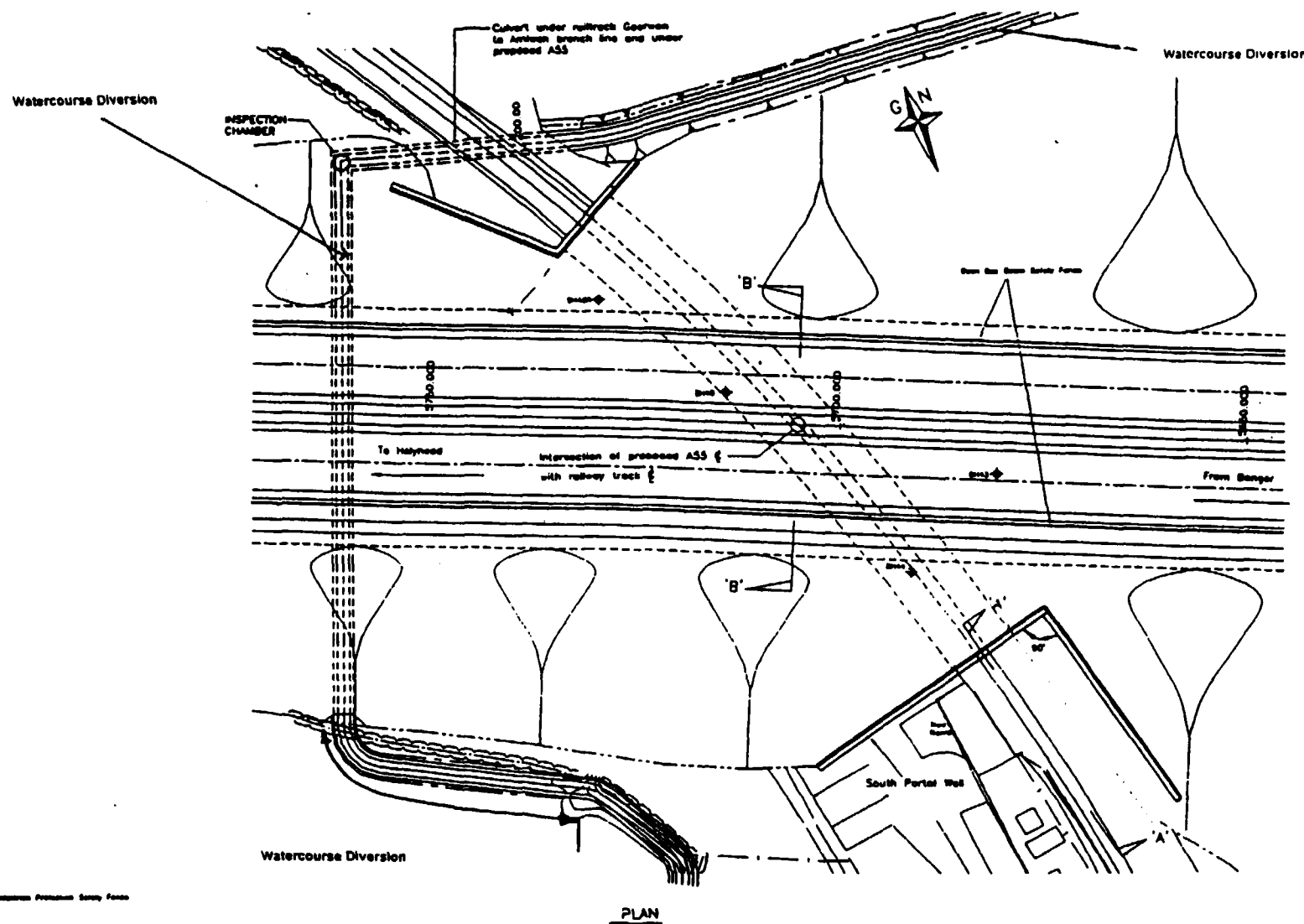


Designed: JP.	Drawn: D.S.B.	Date:					Notes			 Y SWYDDFA GYMREIG Adran y Cytarwyddwr Prifffyrdd WELSH OFFICE Highways Directorate	Title: LON GRAIG OVERBRIDGE			
CAD Ref:							1. DRAWING IS INDICATIVE ONLY NOT TO SCALE 2. CONCRETE GRADES 3. REINFORCING CONCRETE 4. PARAPET STRONG CONCRETE 5. OTHER STRUCTURAL CONCRETE 6. CURBSIDE 7. P2 TO PARAPET PLANTING 8. P2 TO EXPOSED CANTILEVER 9. P2 TO ALL OTHER EXPOSED FACES 10. P2 TO PIER WALL FACES 11. P2 TO WINDWALLS AND ABUTMENT FACES AT A EXPOSED HEIGHT 12. IN TO ALL EXPOSED FACES 13. IN TO FACES RECEIVING WATER FROM 14. IN TO ALL OTHER EXPOSED FACES							
Rev:			Description of Issue / Revision				Drawn	Chk	Appd	Date	Rev: 2			

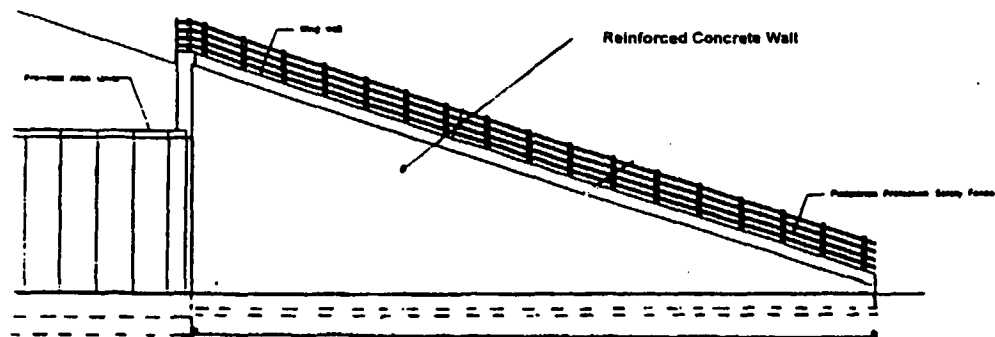
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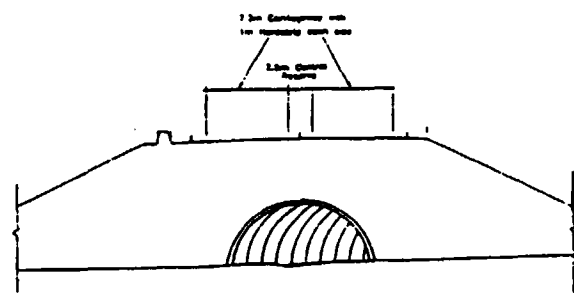
LOCATION PLAN



PLAN

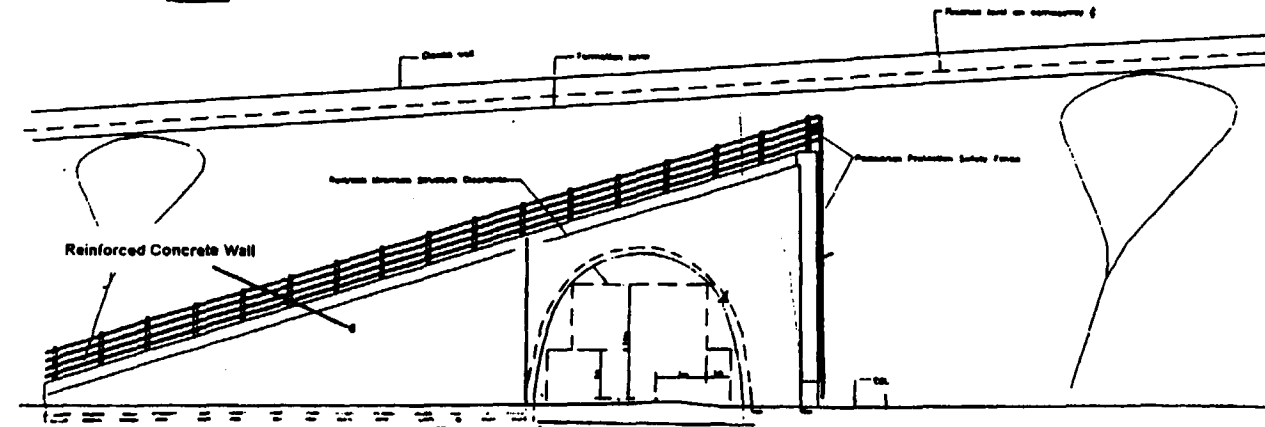


SECTION A-A



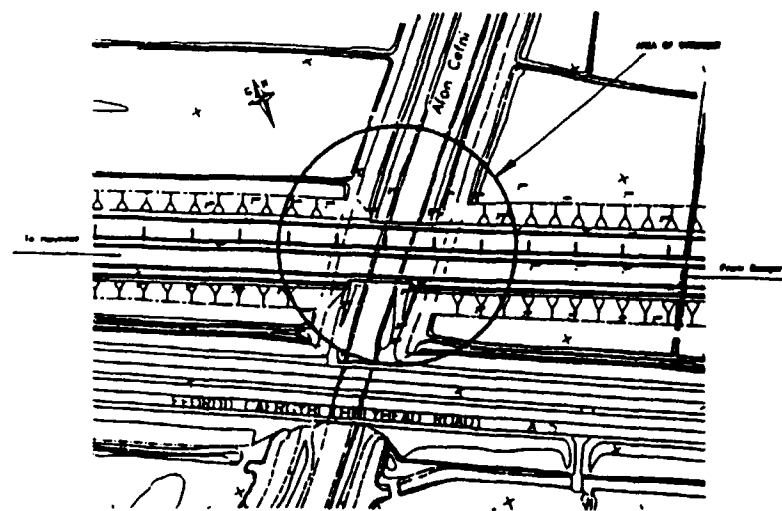
SECTION B-B

REINFORCED CONCRETE WALL DETAIL

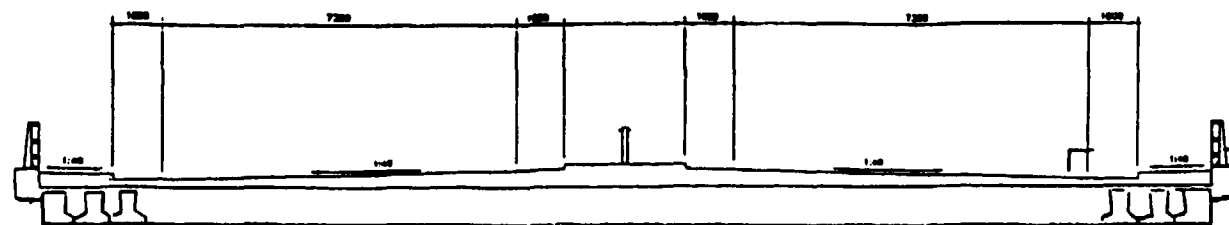
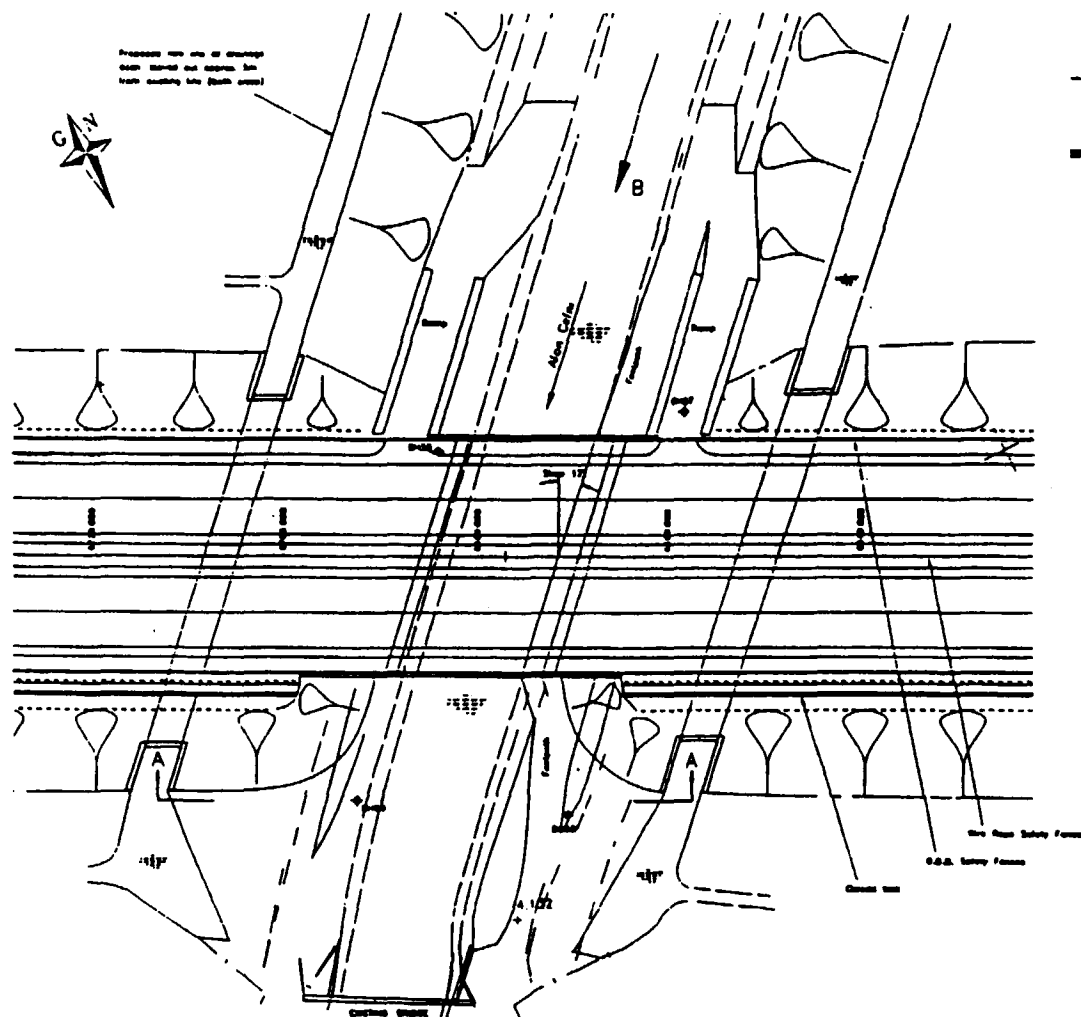


ELEVATION OF SOUTH PORTAL WALL

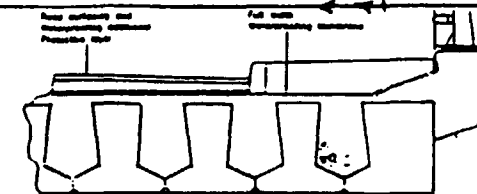
Designed: J.P.	Drawn: D.S.B.	Date:					Notes		UK Highways plc		Y SWYDDFA GYMREIG Adran y Cyfarwyddwr Prifffyrdd		PENTRE BERW RAILWAY UNDERBRIDGE	
CAD Ref							DRAWING IS INDICATIVE ONLY. NOT TO SCALE.		Tarmac		WELSH OFFICE Highways Directorate		Project: A55 LLANDEGAI TO HOLYHEAD DBFO PROJECT	
2 REVISED FOR BAFO			2.1	2.2	2.3	2.4	2.5	2.6	LAING		Hyder		Scale: A1 N.T.S.	Date: APRIL 1998
1 TENDER SUBMISSION			1.1	1.2	1.3	1.4	1.5	1.6					Org No: UKH-108	Rev: 12
Rev			Description of Issue / Revision				Drawn	Chk	Appd	Date				



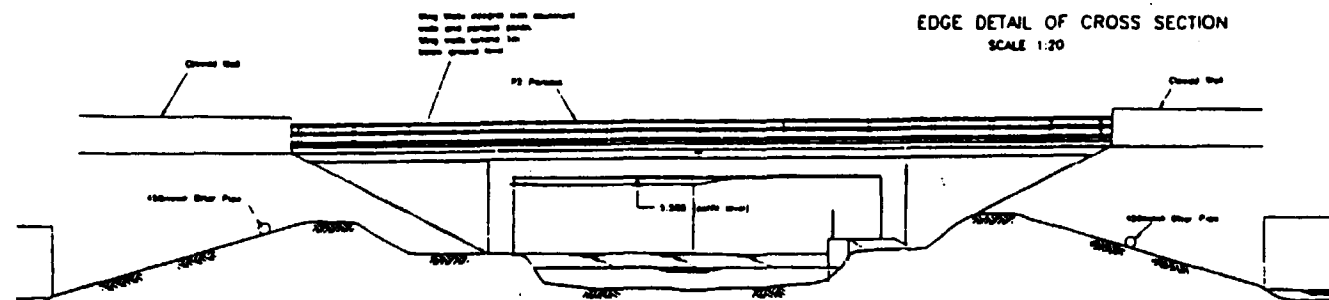
LOCATION PLAN
SCALE 1:1000
(SHOWING EXISTING GROUND FEATURES)



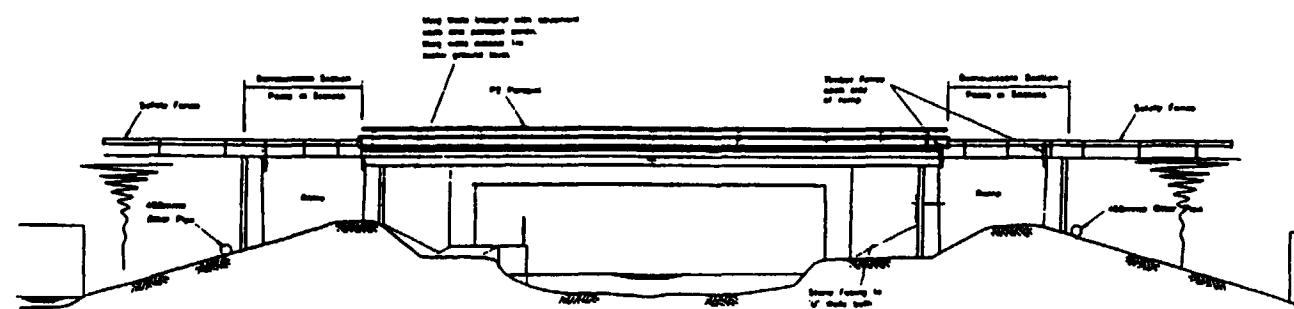
PROPOSED CROSS SECTION
SCALE 1:50



EDGE DETAIL OF CROSS SECTION
SCALE 1:20

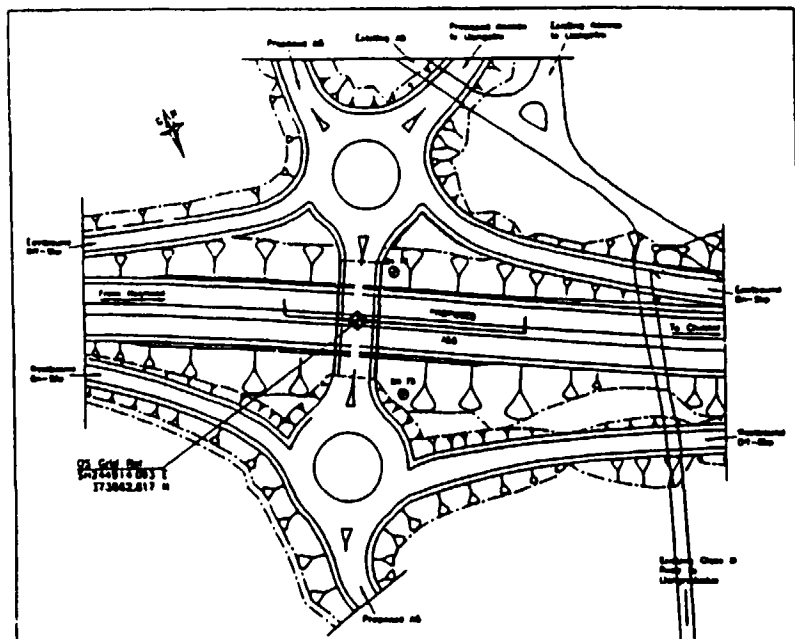


SOUTH ELEVATION ON 'AA'
SCALE 1:100

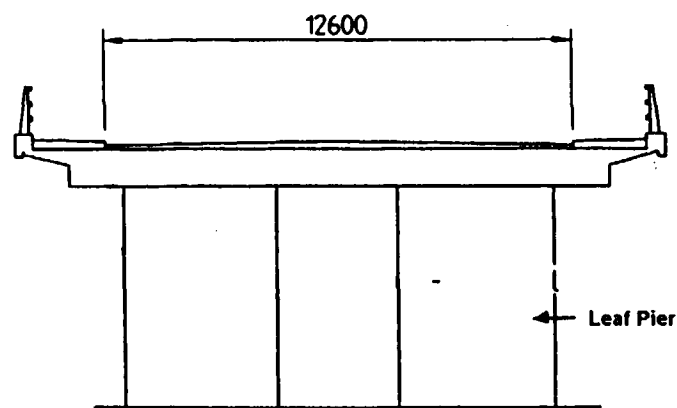


NORTH ELEVATION
VIEW ON ARROW 'B'
SCALE 1:100

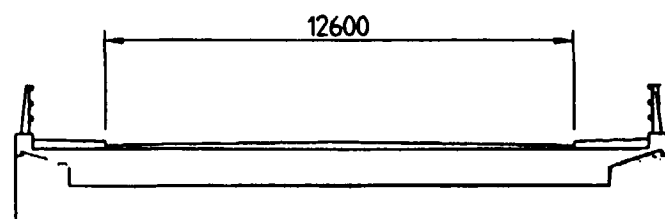
Designed J.P.	Drawn D.S.B.	Date		
CAD Ref				
2 REVISED FOR BAFO			LM	8/98
1 TENDER SUBMISSION			AE	3/98
Rev Description of Issue / Revision			Drawn	Chk
			Appd	Date
Notes 1. DRAWING IS INDICATIVE ONLY NOT TO SCALE 2. MATERIALS (CLASSES) BLANKING CONCRETE CLASS 40/50 PARAPET VIBRATING CURB CLASS 40/50 PRECAST CONCRETE ARCHWAY CLASS 40/50 OTHER STRUCTURAL CONCRETE CLASS 40/50 3. DIMENSIONS 22 TO MAPS 27 TO WALL FACES - 1.8 REDUCED HEIGHT 17 TO ALL EXPOSED FACES 14 TO FACE RECEIVING WATERPROOFING 14 TO ALL OTHER FINISHED FACES				
UK Highways plc			Client Y SWYDDFA GYMREIG Adran y Cytarwyddwr Prifffyrdd WELSH OFFICE Highways Directorate	
Tarmac			Designer Hyder	
LAING			Title AFON CEFNI UNDERBRIDGE Project A55 LLANDEGAI TO HOLYHEAD DBFO PROJECT	
			Scale A1 N.T.S. Date APRIL 1998 Copyright Reserved Urg No UKH-110 Rev 12	



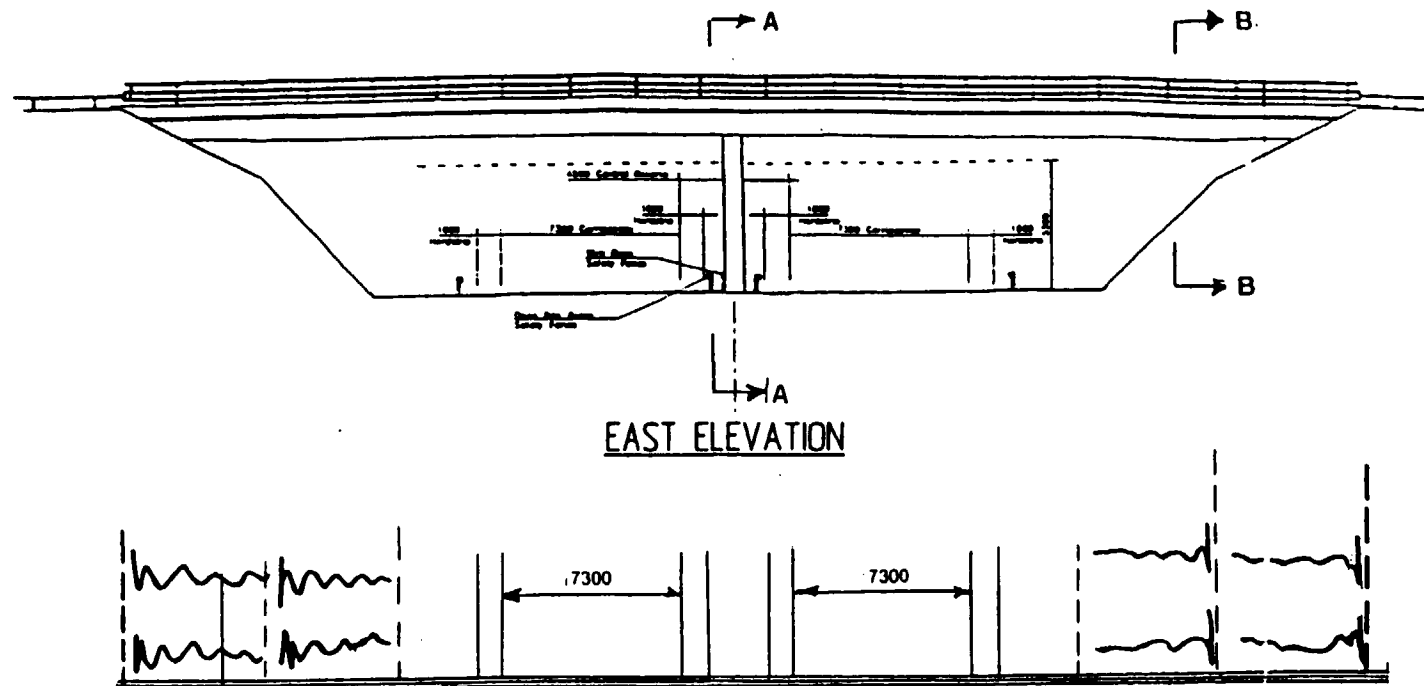
LOCATION PLAN



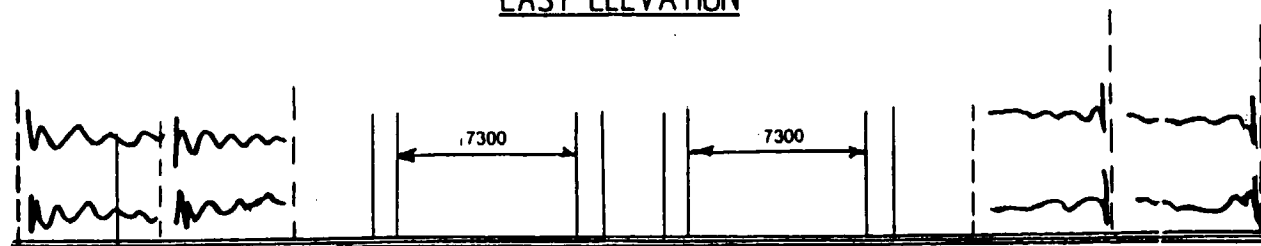
SECTION A-A



SECTION B-B

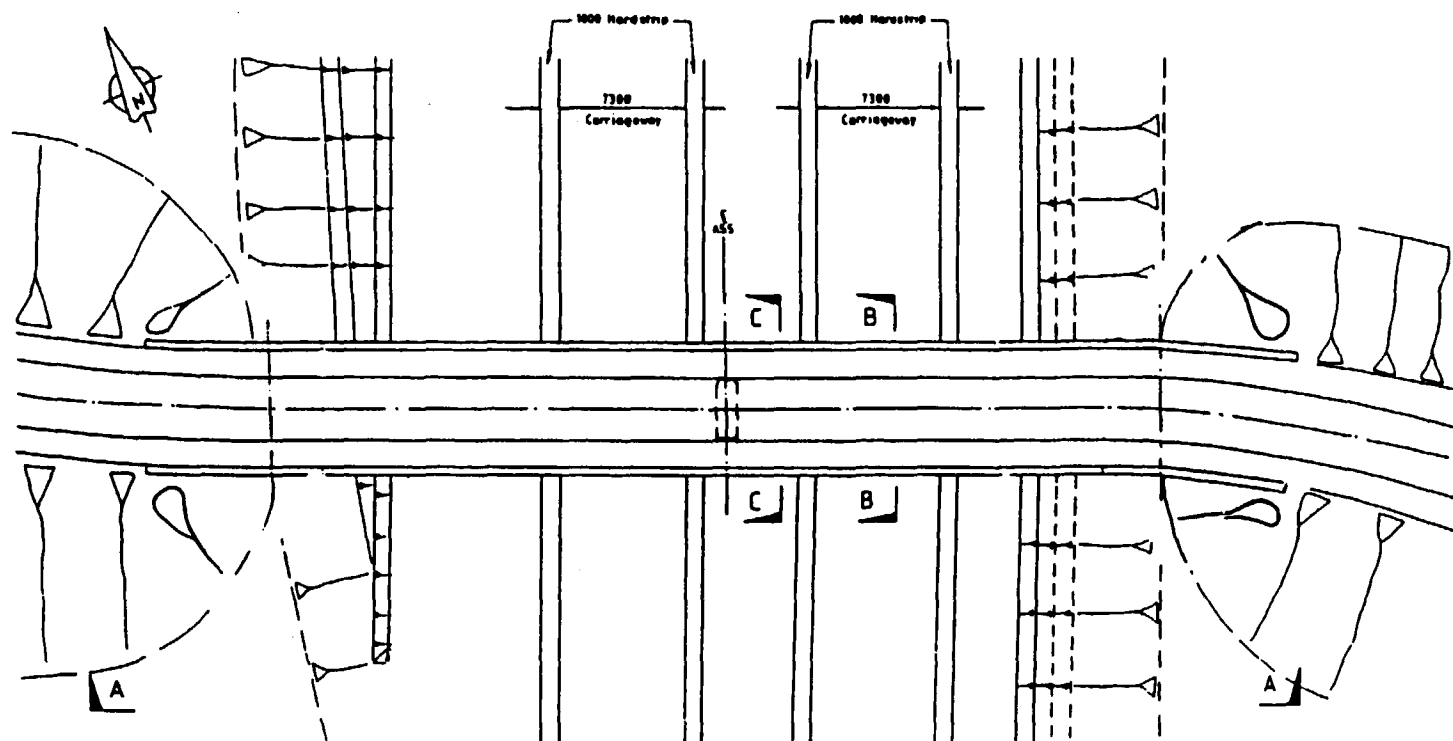
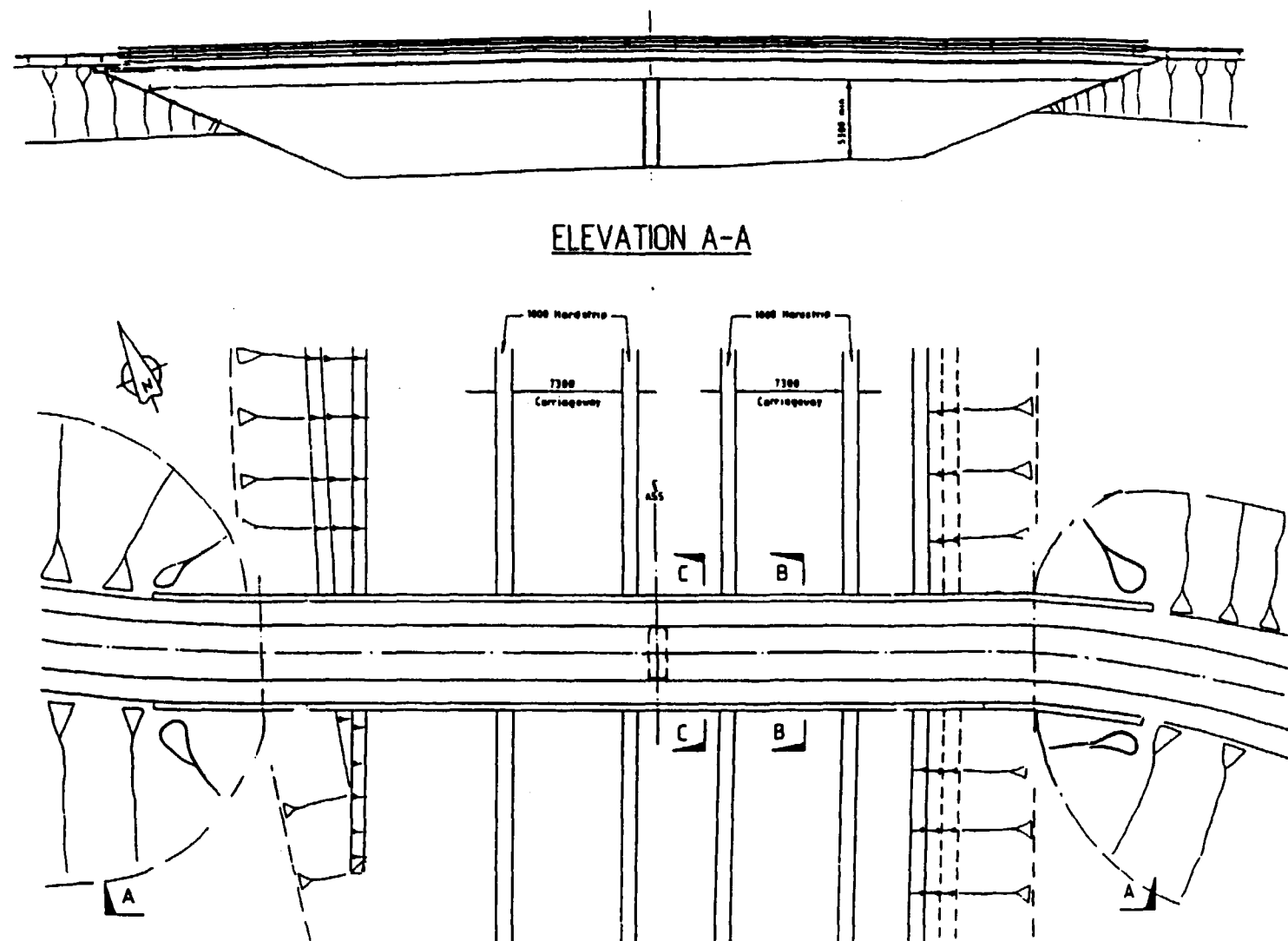
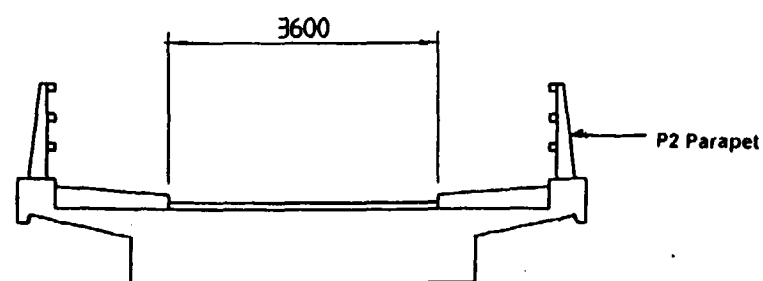
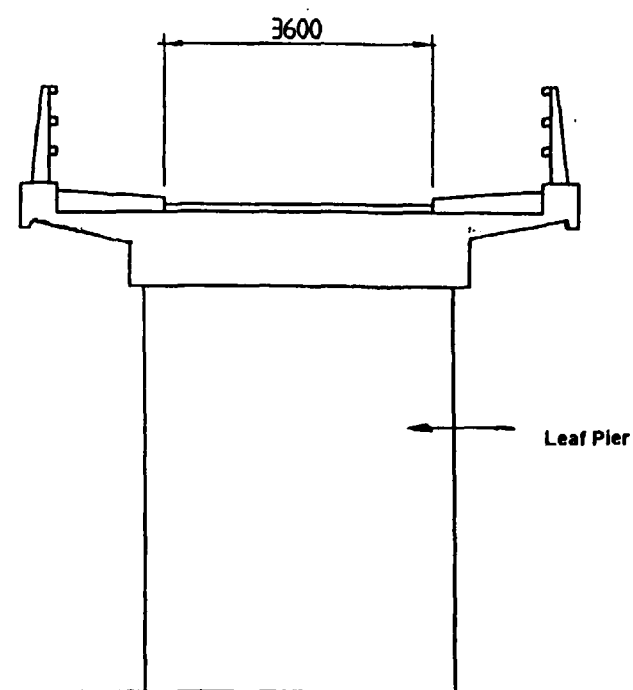
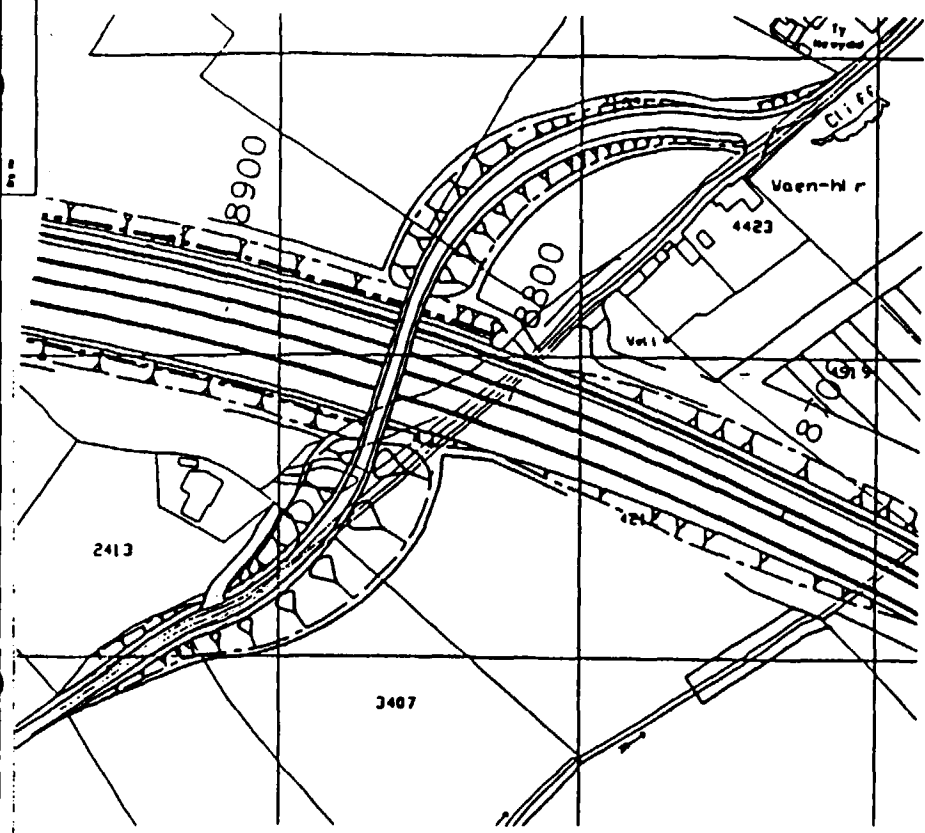


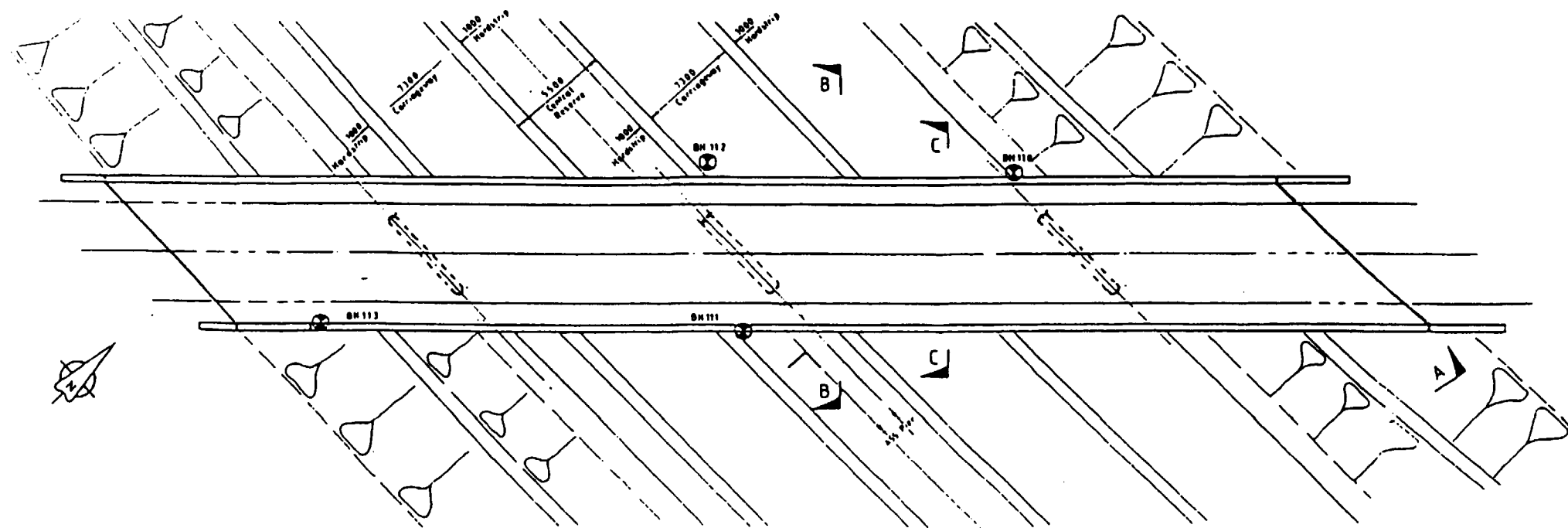
EAST ELEVATION



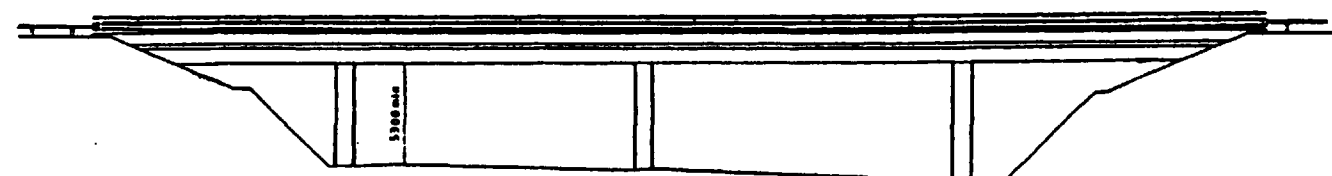
PLAN

Designed J.P.	Drawn O.S.B.	Date					UK Highways plc Tarmac ^{TD} LAING		Y SWYDDFA GYMREIG Adran y Cyfarwyddwr Prifffyrdd WELSH OFFICE Highways Directorate	NANT TURNPIKE OVERBRIDGE A55 LLANDEGAI TO HOLYHEAD DBFO PROJECT	
CAD Ref											
2 REVISED FOR BAFO			2	1/10	18	2/10					Scale A1 N.T.S.
1 TENDER SUBMISSION			18	1/10	18	3/10					Date APRIL 1998
Rev Description of Issue / Revision			Drawn	Chk	Appd	Date					© Copyright Reserved
											Rev 2

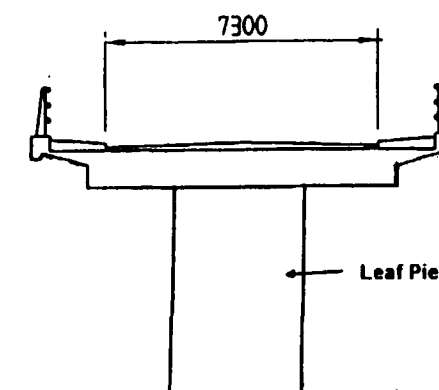
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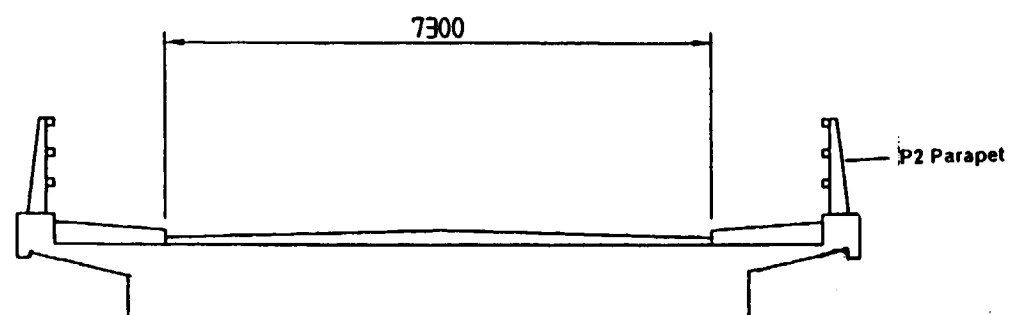
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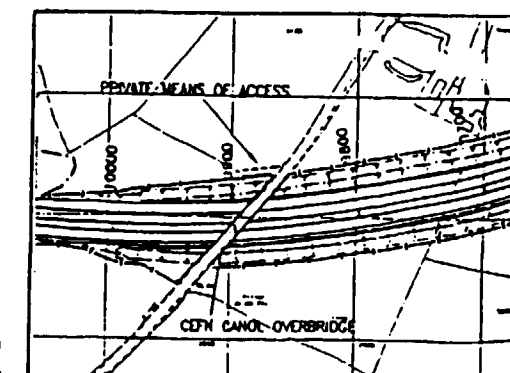
ELEVATION A-A



SECTION B-B

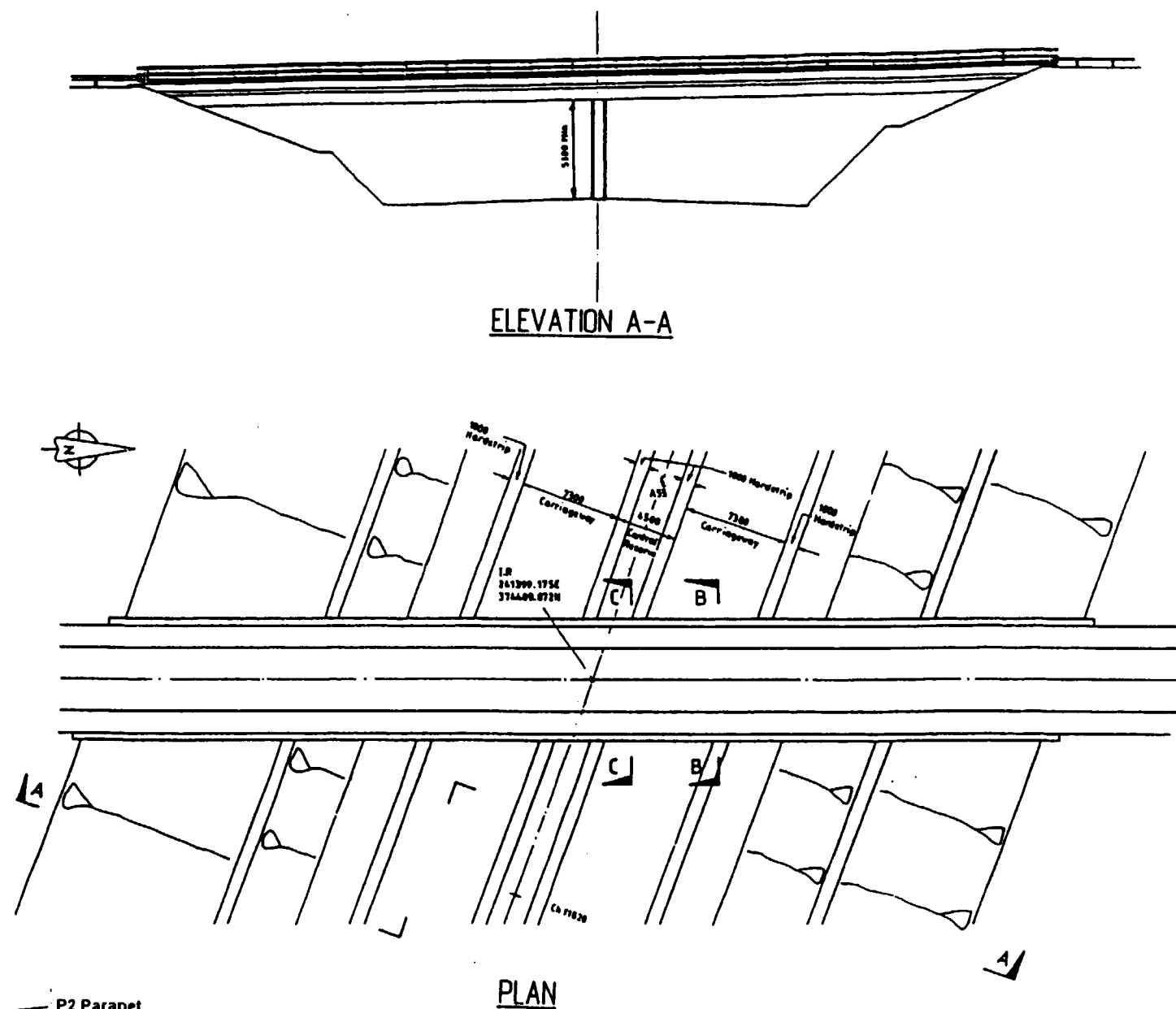


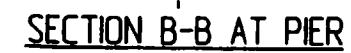
SECTION C-C

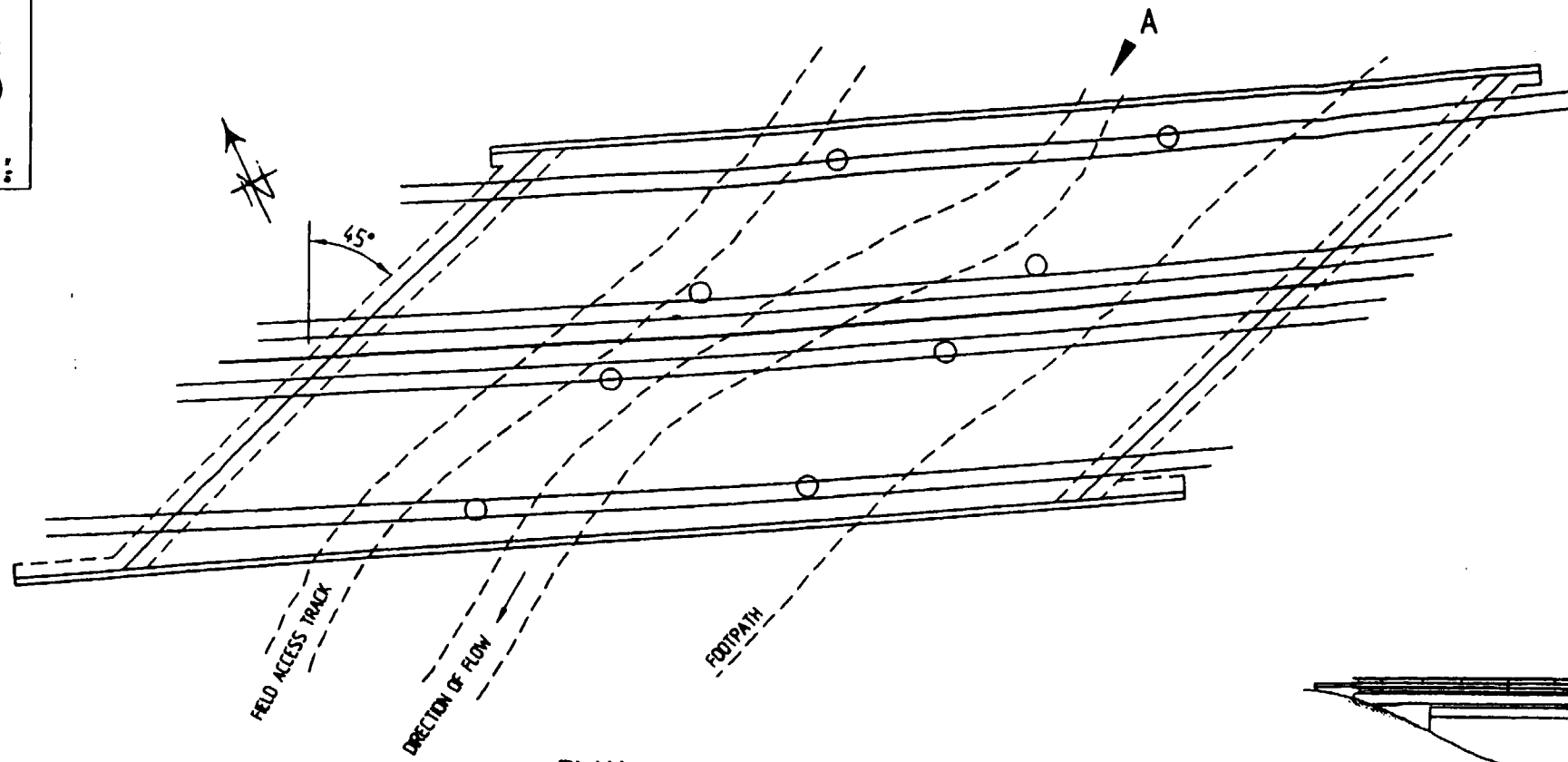


LOCATION PLAN

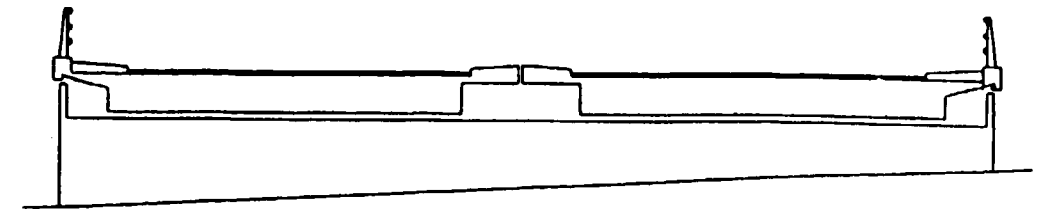
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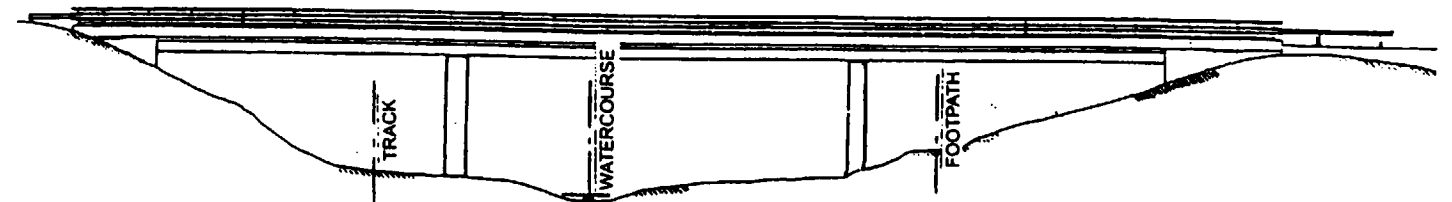
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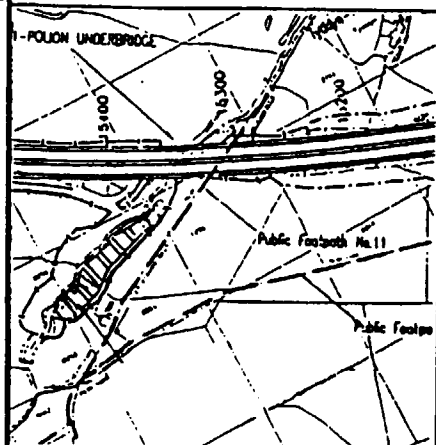
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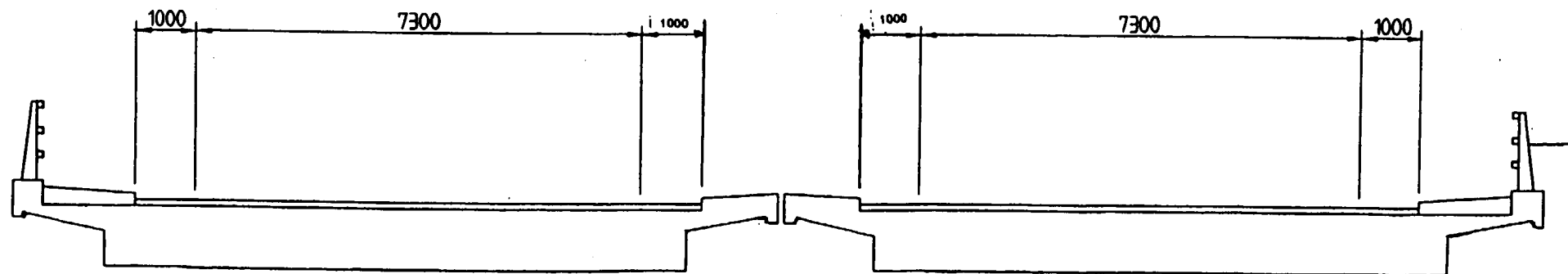
ELEVATION ON WEST ABUTMENT



VIEW FROM A

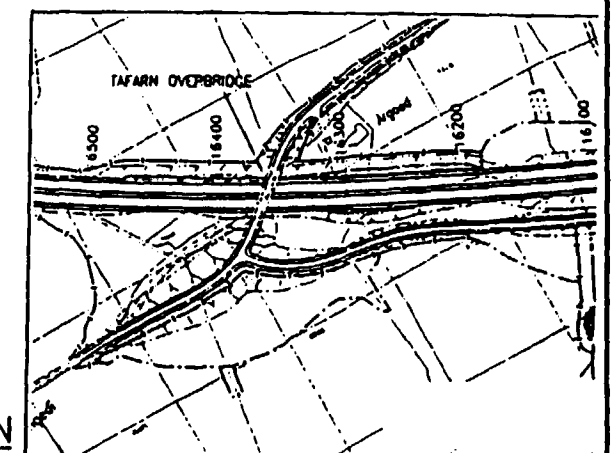
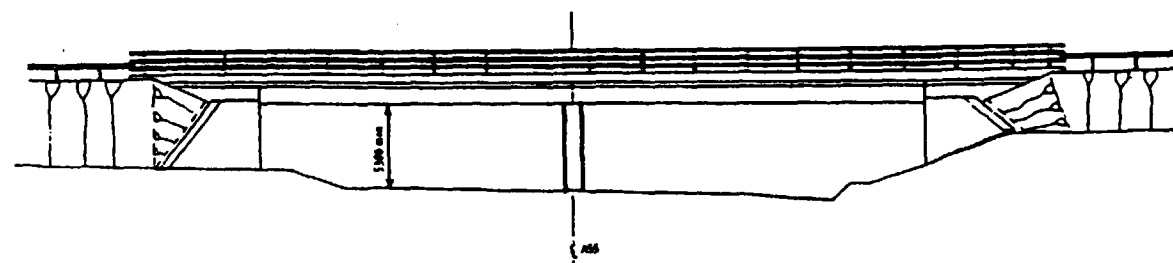
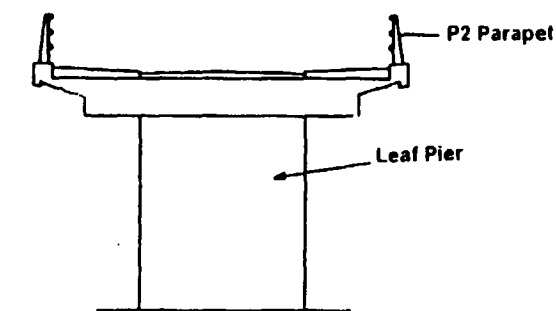
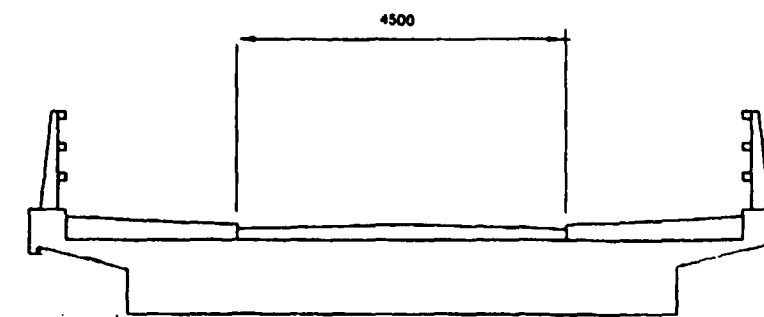
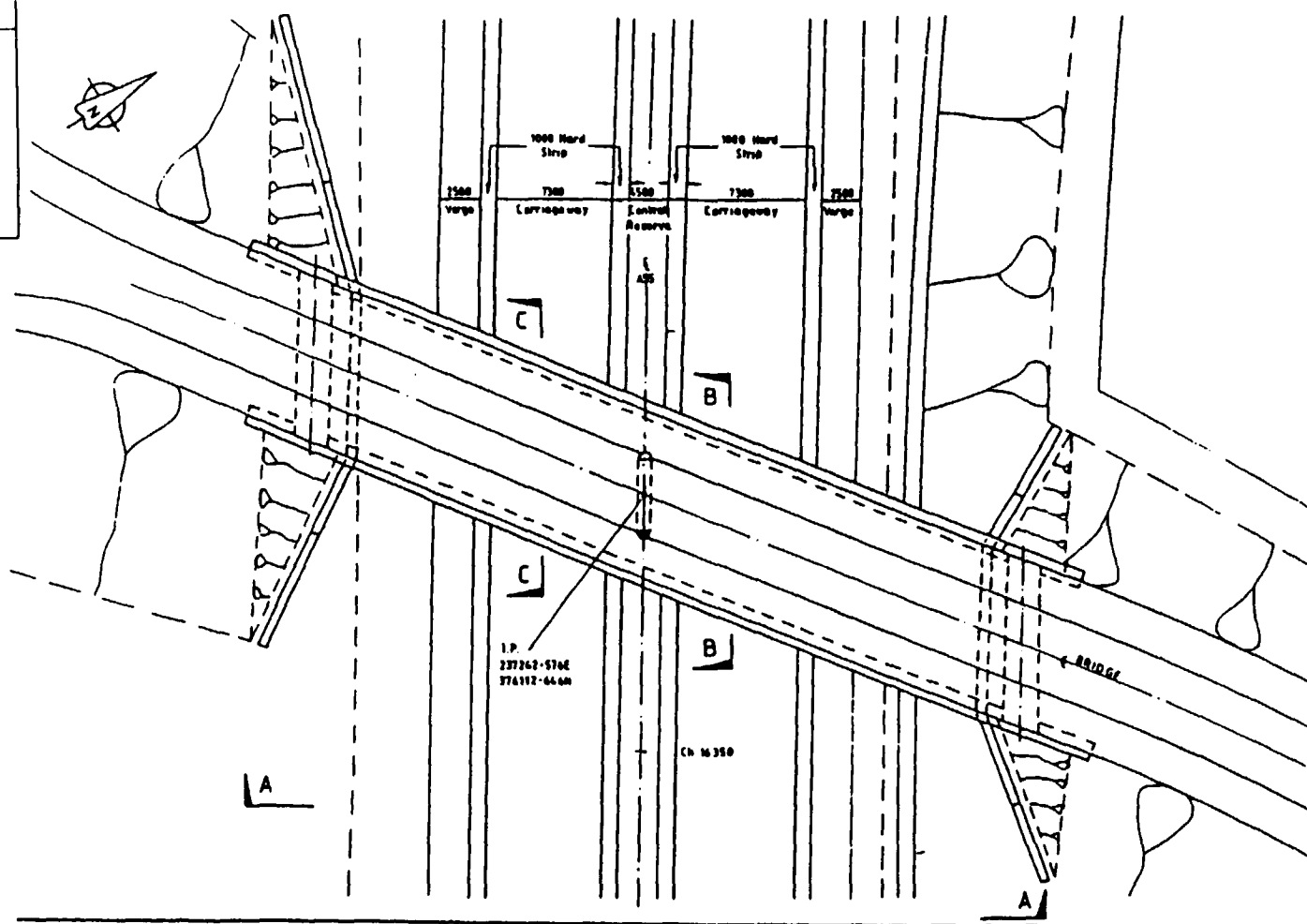


LOCATION PLAN

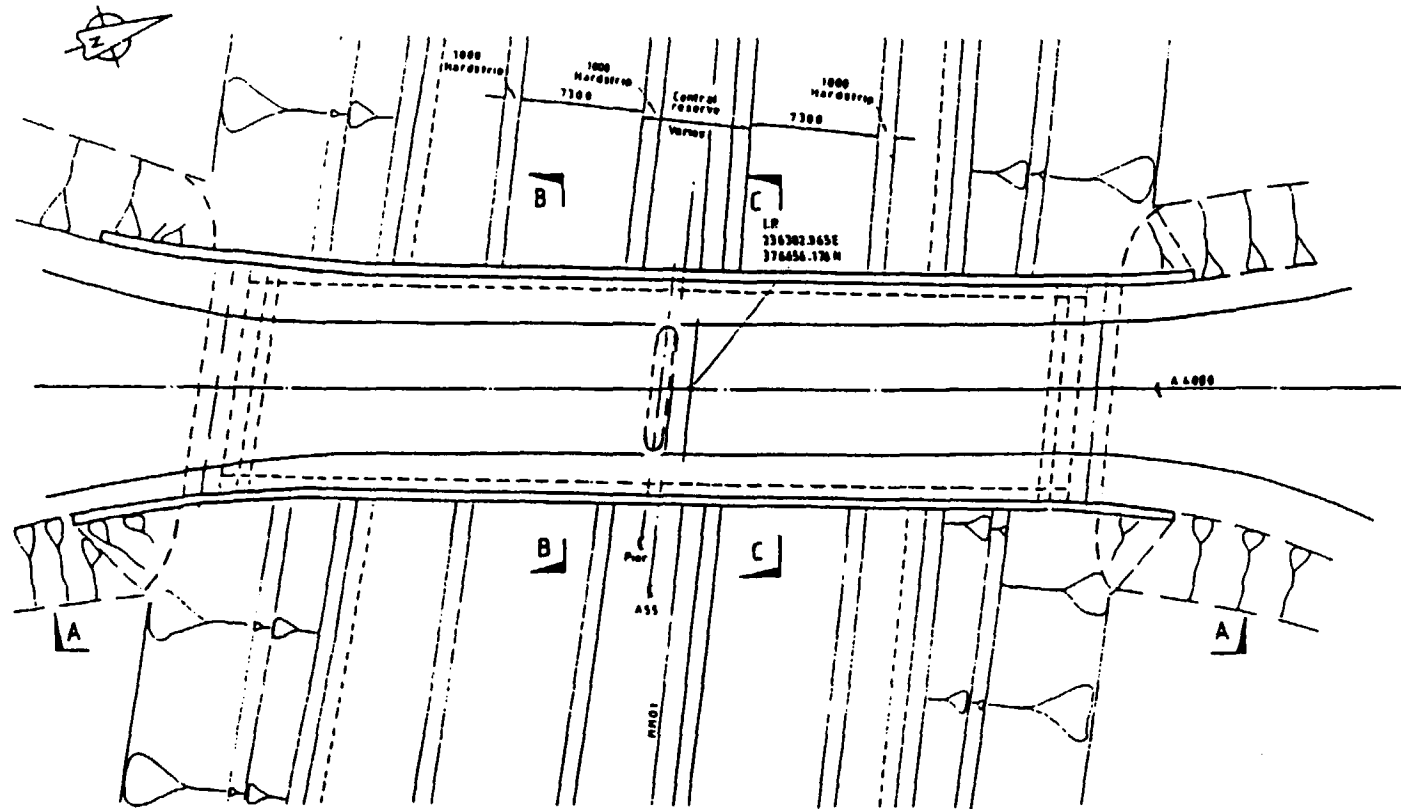


CROSS-SECTION OF DECK

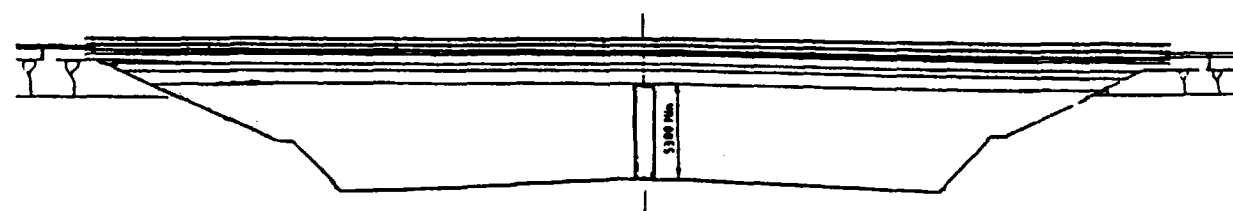
Designed JP.	Drawn OSB.	Datum					UK Highways plc Tarmac ^{TD} LAING		Client Y SWYDDFA GYMREIG Adran y Cyfarwyddwr Prifffyrdd WELSH OFFICE Highways Directorate	Title TYDDYN-POLION UNDERBRIDGE	
2 REVISED FOR BAFO 1 TENDER SUBMISSION			Drawn OSB	Check H	Appd R	Date 3/98	Notes DRAWING IS INDICATIVE ONLY NOT TO SCALE CONCRETE GRADES BRICKWORK CONCRETE MAX ST1 PARAPET STRENGTH CONCRETE CLASS 30/36 OTHER STRUCTURAL CONCRETE CLASS 40/50 DIMENSIONS P1 TO PARAPET P2 TO PARAPET PLINTH P3 TO EXPOSED CANTILEVER P4 TO ALL OTHER EXPOSED FACES P5 TO PIP WALL FACES P6 TO WINDOW WALLS AND ABUTMENT FACES P1 & EXPOSED HEIGHT P7 TO ALL EXPOSED FACES P8 TO FACES RECEIVING WATER/SPILLAGE P9 TO ALL OTHER CONCEALED FACES		Designer Hyder	Project A55 LLANDEGAI TO HOLYHEAD DBFO PROJECT	Date APRIL 1998 Scale A1 N.T.S. Dwg No UKH-120



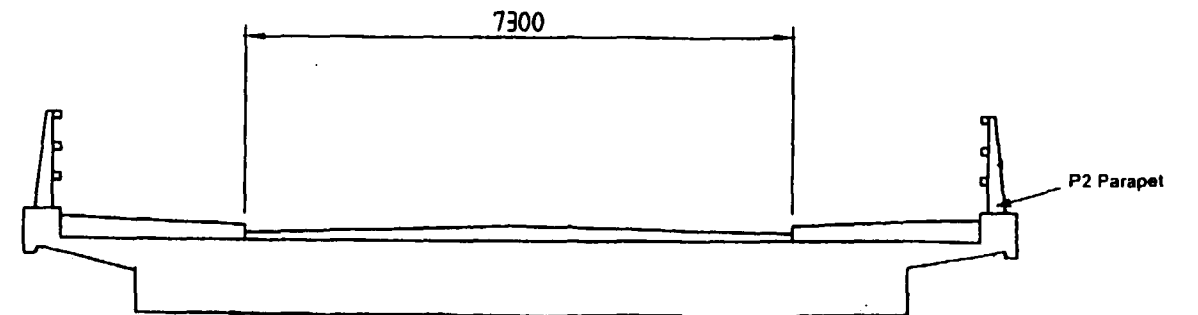
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												DRAWING IS INDICATIVE ONLY. NOT TO BE USED FOR CONSTRUCTION.				WELSH OFFICE Highways Directorate							
												DRAWING IS INDICATIVE ONLY. NOT TO BE USED FOR CONSTRUCTION.				Designer				Project			
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												DRAWING IS INDICATIVE ONLY. NOT TO BE USED FOR CONSTRUCTION.								© Copyright Reserved			
												DRAWING IS INDICATIVE ONLY. NOT TO BE USED FOR CONSTRUCTION.								Org No			
												DRAWING IS INDICATIVE ONLY. NOT TO BE USED FOR CONSTRUCTION.								UKH-121			
												DRAWING IS INDICATIVE ONLY. NOT TO BE USED FOR CONSTRUCTION.								Rev			
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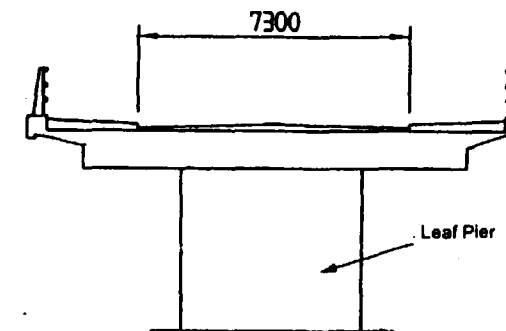
PLAN
SCALE 1:200



ELEVATION A-A
SCALE 1:200

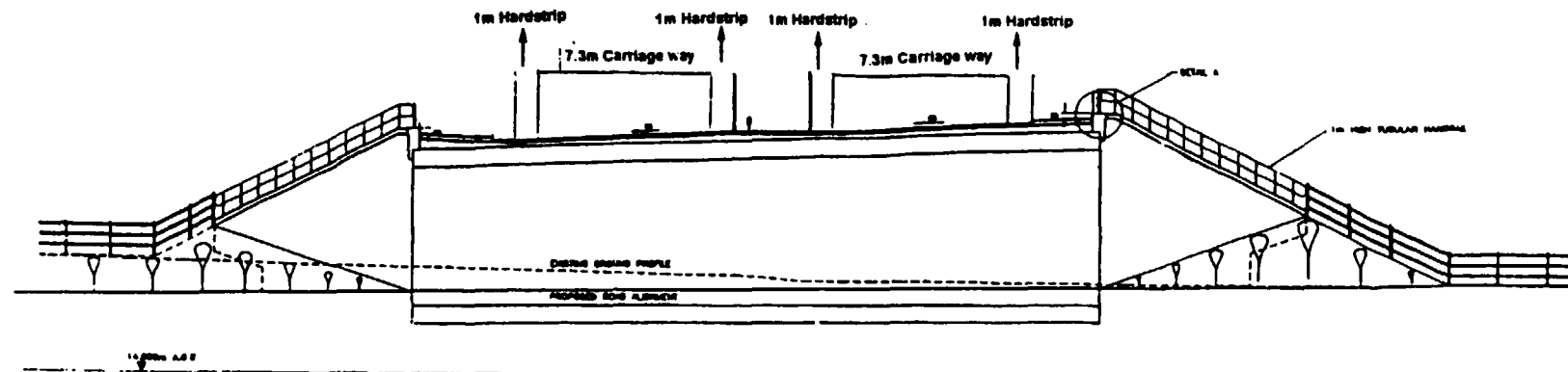
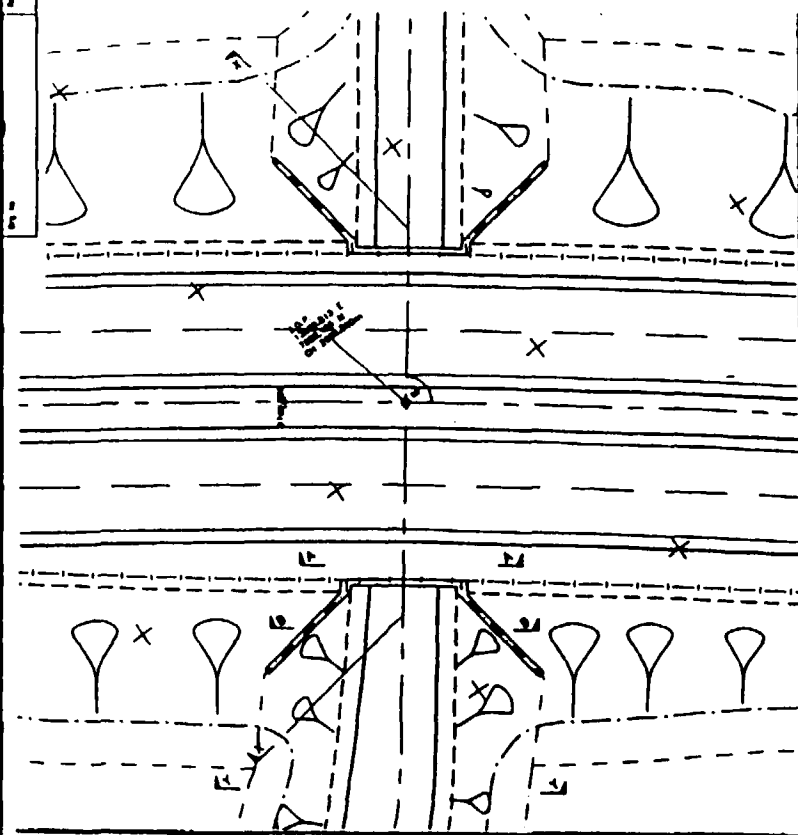


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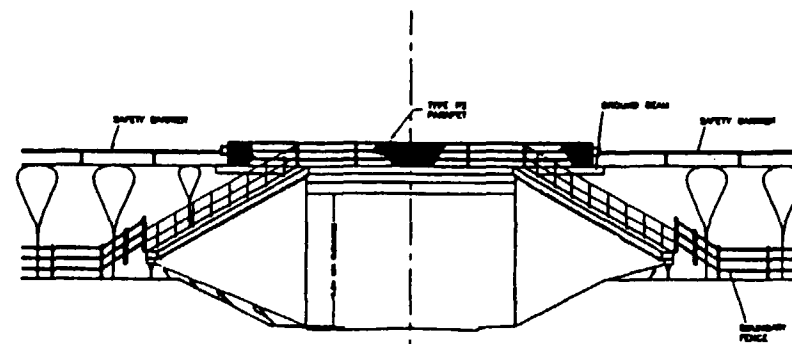


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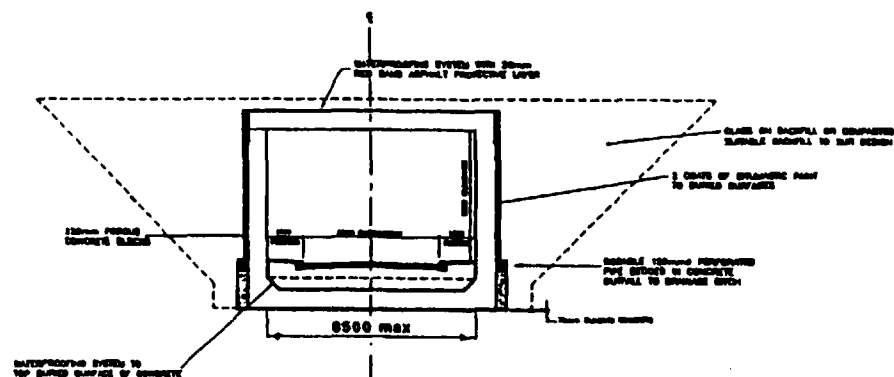
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Rev															



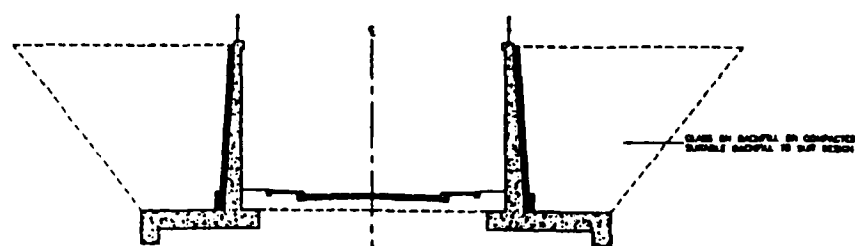
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SCALE 1:100



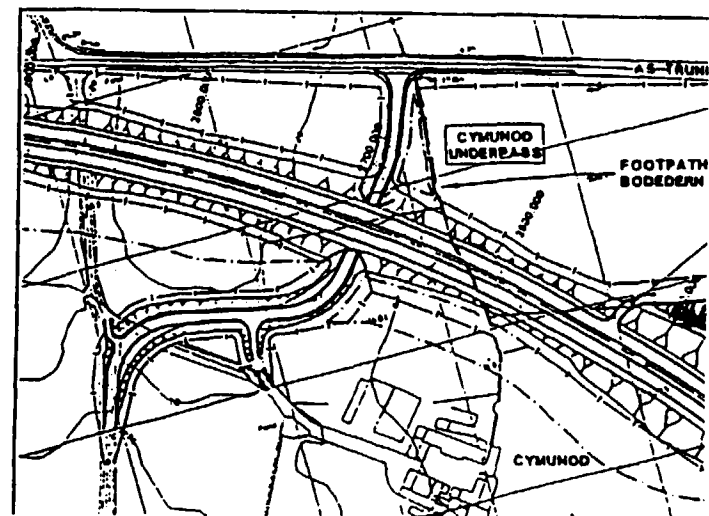
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SECTION A-A
SCALE 1:100



SECTION B-B
SCALE 1:100



LOCATION PLAN

Designed	J.P.	Drawn	D.S.B.	Datum
CAO Ref				

2	REVISED FOR BAPO	HE	R	R	3/98
1	TENDER SUBMISSION	HE	R	R	3/98
Rev	Description of Issue / Revision	Drawn	Checked	Approved	Date

Notes	
1. DRAWINGS ARE INDICATIVE ONLY NOT TO SCALE	
2. CONCRETE GRADES	
BLINDING CONCRETE	CLASS C25
PARAPET STUCCO COURSE	CLASS C25
STRUCTURAL CONCRETE	CLASS C40
3. FINISHES	
TO SUPPLY	
TO PARAPET PLANTING	
TO ALL OTHER CONCEALED FACES	
TO ALL EXPOSED FACES	
TO ALL EXPOSED FACES	
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UK Highways plc

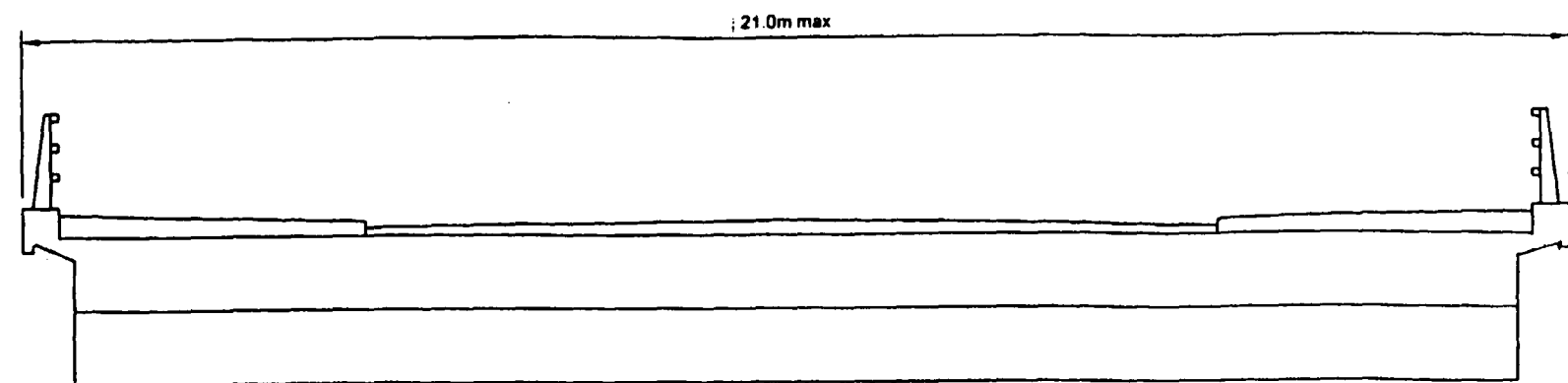
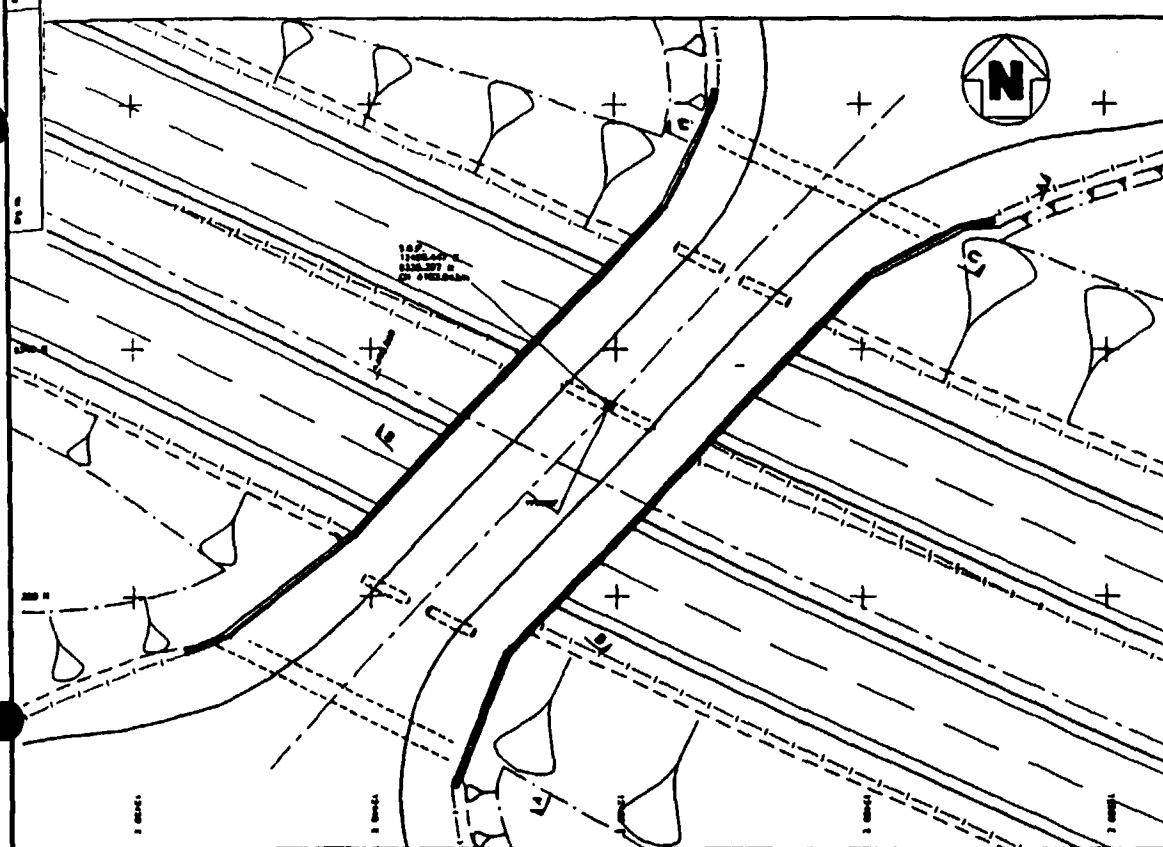
Tarmac **LAING**

Y SWYDDFA GYMREIG
Adran y Cyfarwyddwr Prifffyrdd

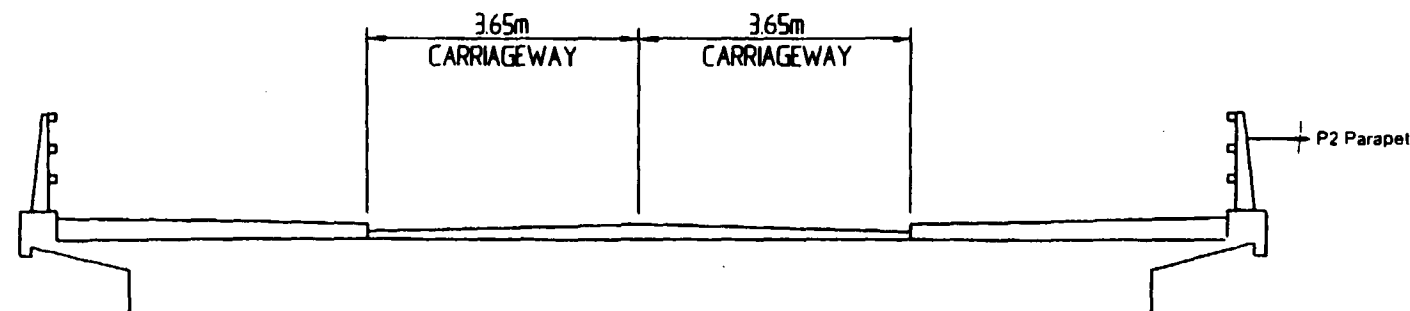
WELSH OFFICE
Highways Directorate

Hyder

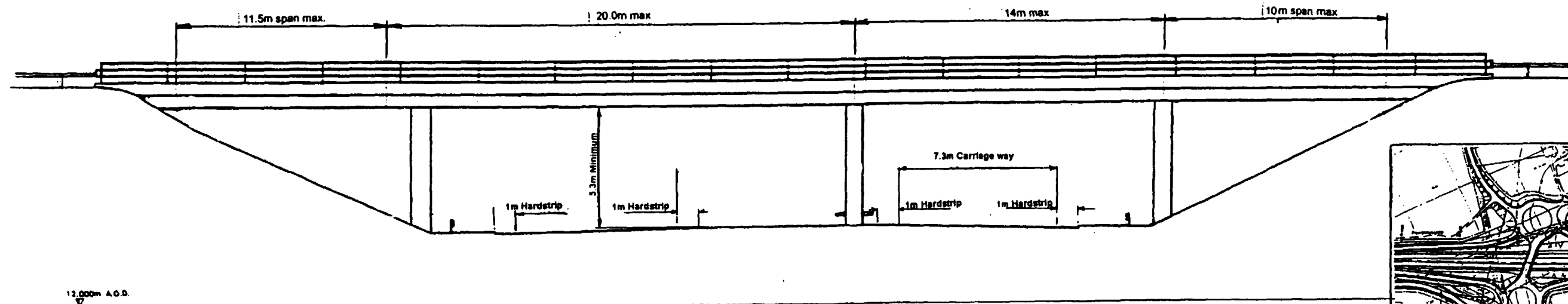
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Project	A55 LLANDEGAI TO HOLYHEAD DBFO PROJECT	Scale	A1 NTS
Date	APRIL 1998	Drawn	UKH-129
Rev	12		



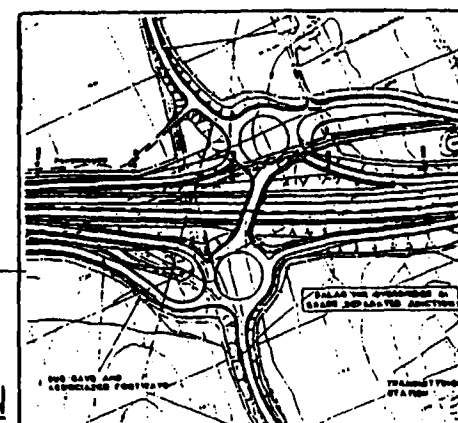
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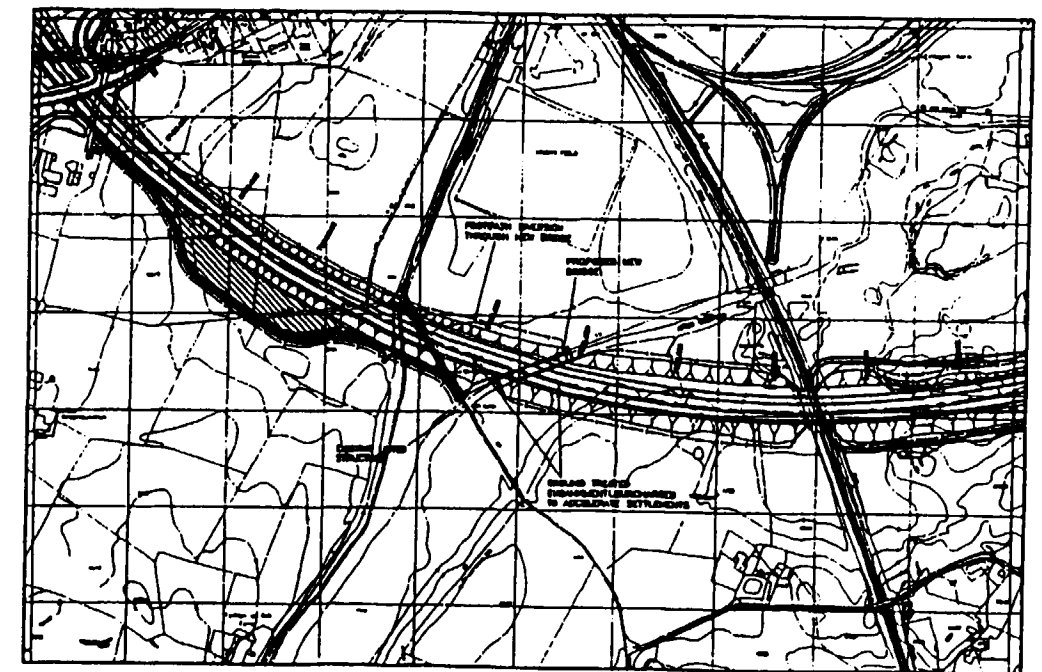
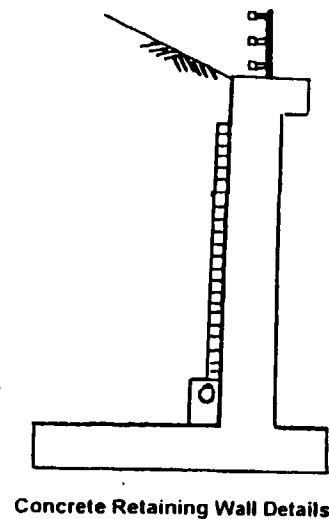
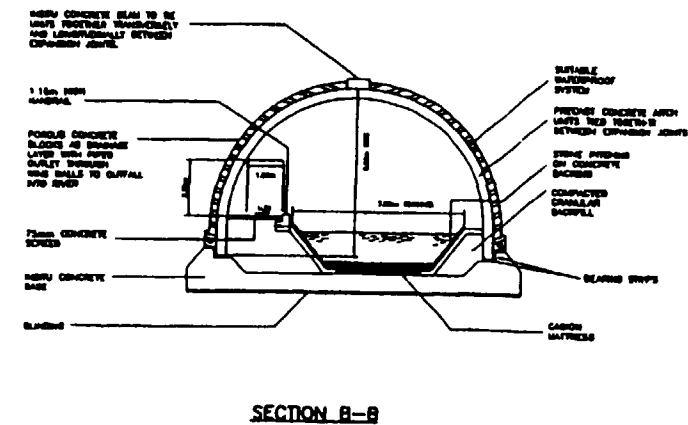
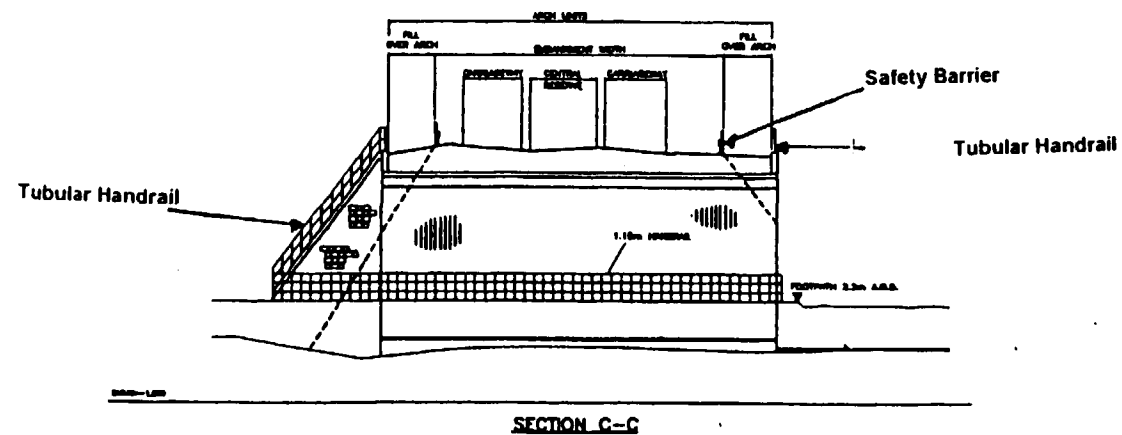
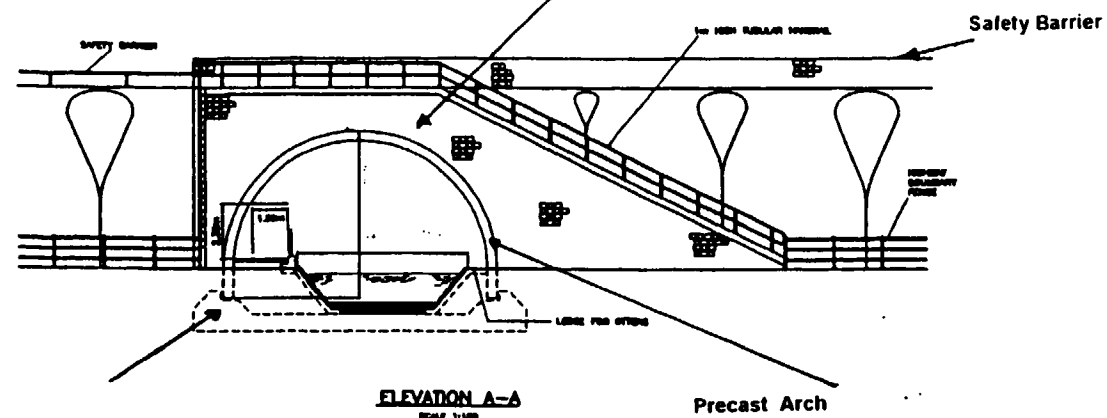
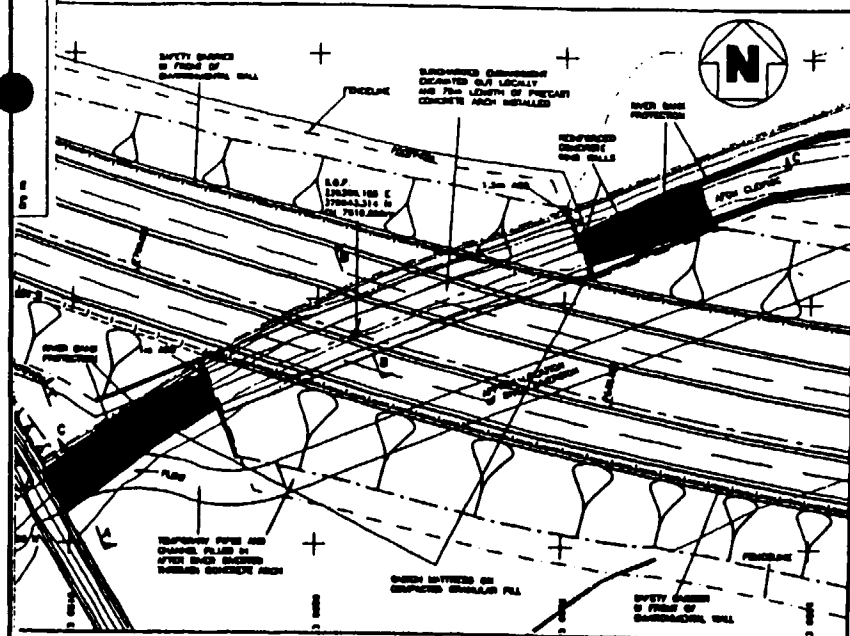
TYPICAL SECTION THROUGH DECK B-B



ELEVATION A-A

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Designed	J.P.	Drawn	O.S.B.	Date		Notes 1. DRAWING IS INDICATIVE ONLY NOT TO SCALE 2. <u>CONCRETE GRADES</u> SLAB/PAVING CONCRETE MIN ST1 PARAPET/THRU CURB CLASS 30/20 OTHER STRUCTURAL CONCRETE CLASS 40/20 3. <u>EXPOSURES</u> P1 TO SURFACES P2 TO PARAPET PLANTING P3 TO EXPOSED CANTILEVER P4 TO ALL OTHER CONCEALED FACES P5 TO PWB WALL FACES P6 TO WINDOW WALLS AND ABUTMENT FACES P7 TO EXPOSED MORTAR P8 TO ALL EXPOSED FACES P9 TO FACES RECEIVING WATER/SLURRY P10 TO ALL OTHER CONCEALED FACES
CAO Ref						
2	REVISED FOR BAFO					
1	TENDER SUBMISSION				NE	RE
Rev	Description of Issue / Revision				Drawn	Date

UK Highways plc

Tarmac

LAING

Client

Y SWYDDFA GYMREIG
Adran y Cytarawddwr Priflydd

WELSH OFFICE
Highways Directorate

Designer

Hyder
Consulting

Title

STATION ROAD OVERBRIDGE

Project

A55 LLANDEGAI TO HOLYHEAD
DBFO PROJECT

Scale

A1 N.T.S.

Date

APRIL 1998

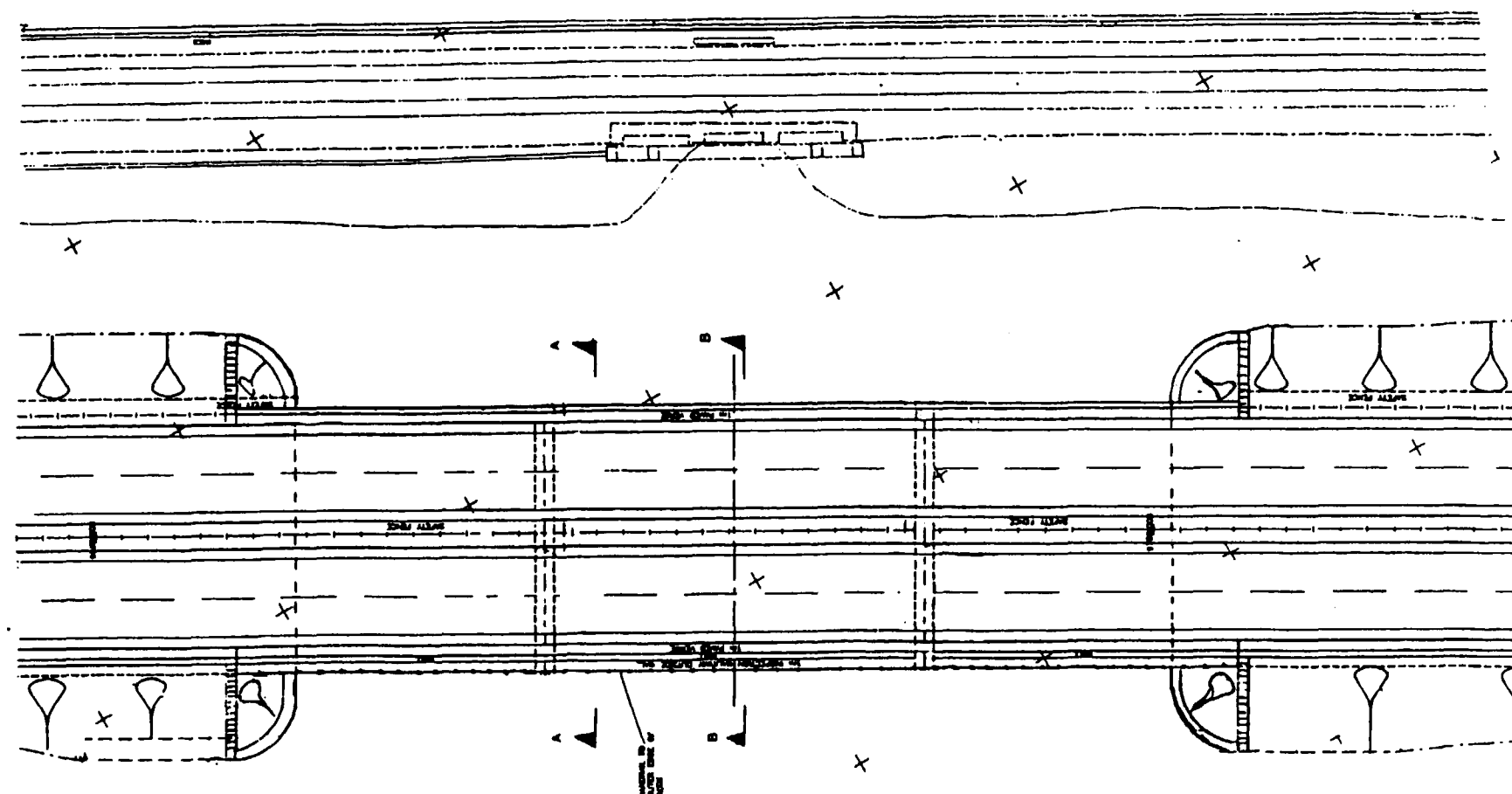
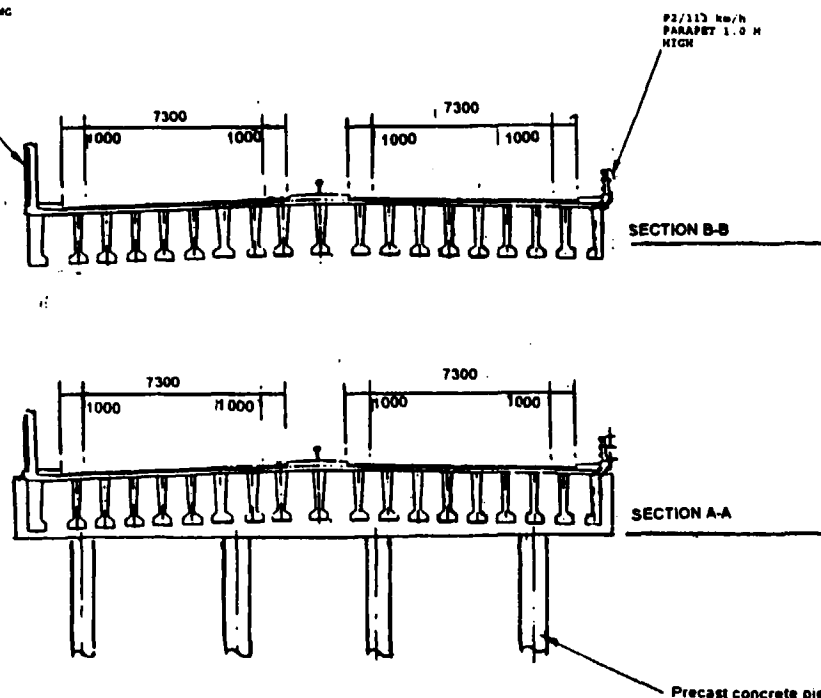
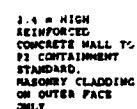
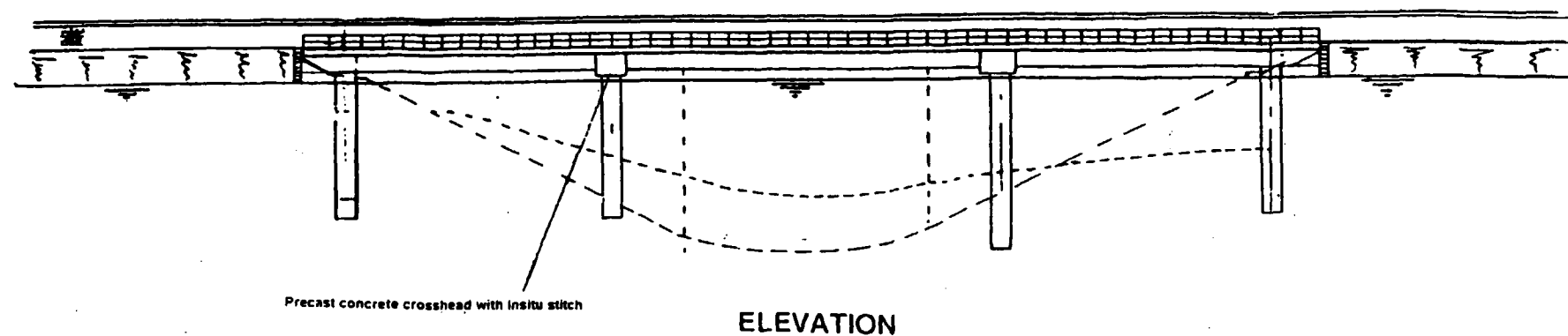
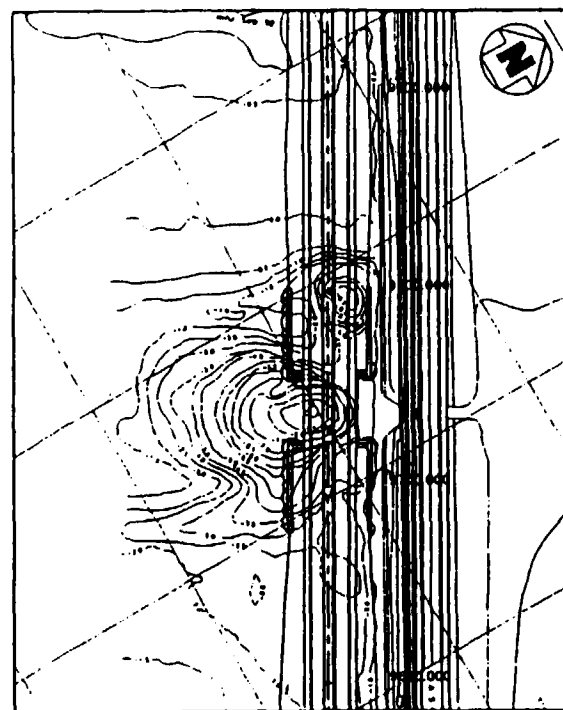
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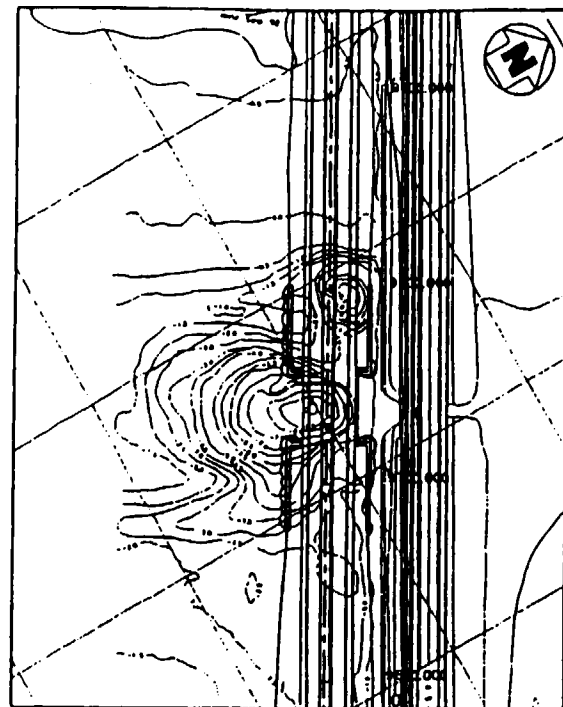
UKH-136

Rev

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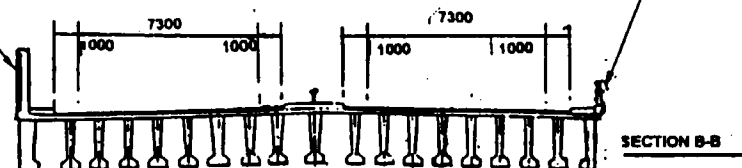
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CAD Ref								Tarmac ^{TD} LAING			Designer  Hyder Consulting	Project A55 LLANDEGAI TO HOLYHEAD DBFO PROJECT			
													Scale A1 NTS	Date APRIL 1998 © Copyright Pesser ved	
													Dwg No UKH-140	Rev 2	
			2	REVISED FOR BAFO	2	1/14	1/15								
			1	TENDER SUBMISSION	NE	12	12	1/98							
			Rev	Description of Issue / Revision	Drawn	Chk	Appd	Date							



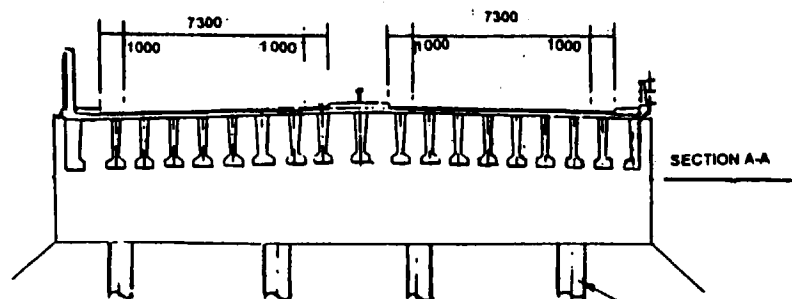
LOCATION PLAN
SHOWS SEA FILL CONTOURS AND
SEA FILL CUTTER DAMS

2.4 m HIGH
REINFORCED
CONCRETE WALL TO
P2 CONTAINMENT
STANDARD.
HARVEST CLADDING
ON OUTER FACE
ONLY

P2/L12 NW/H
PARAPET 1.0 M
HIGH

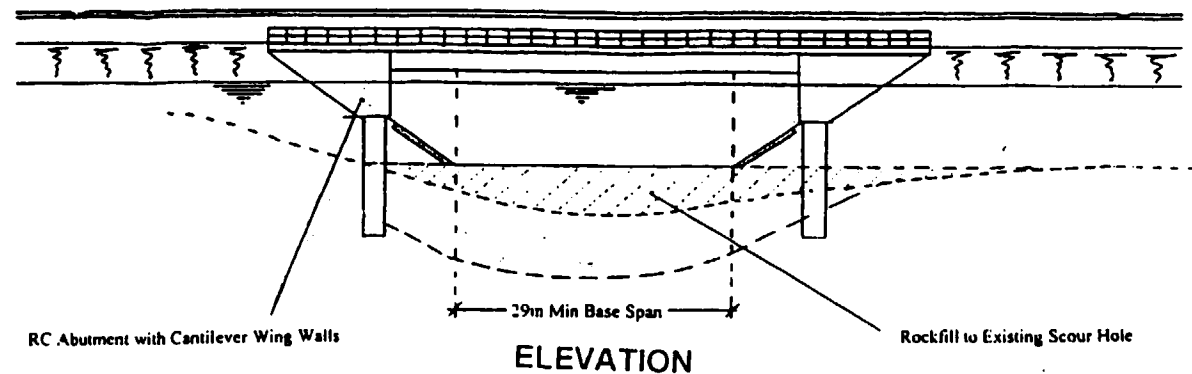


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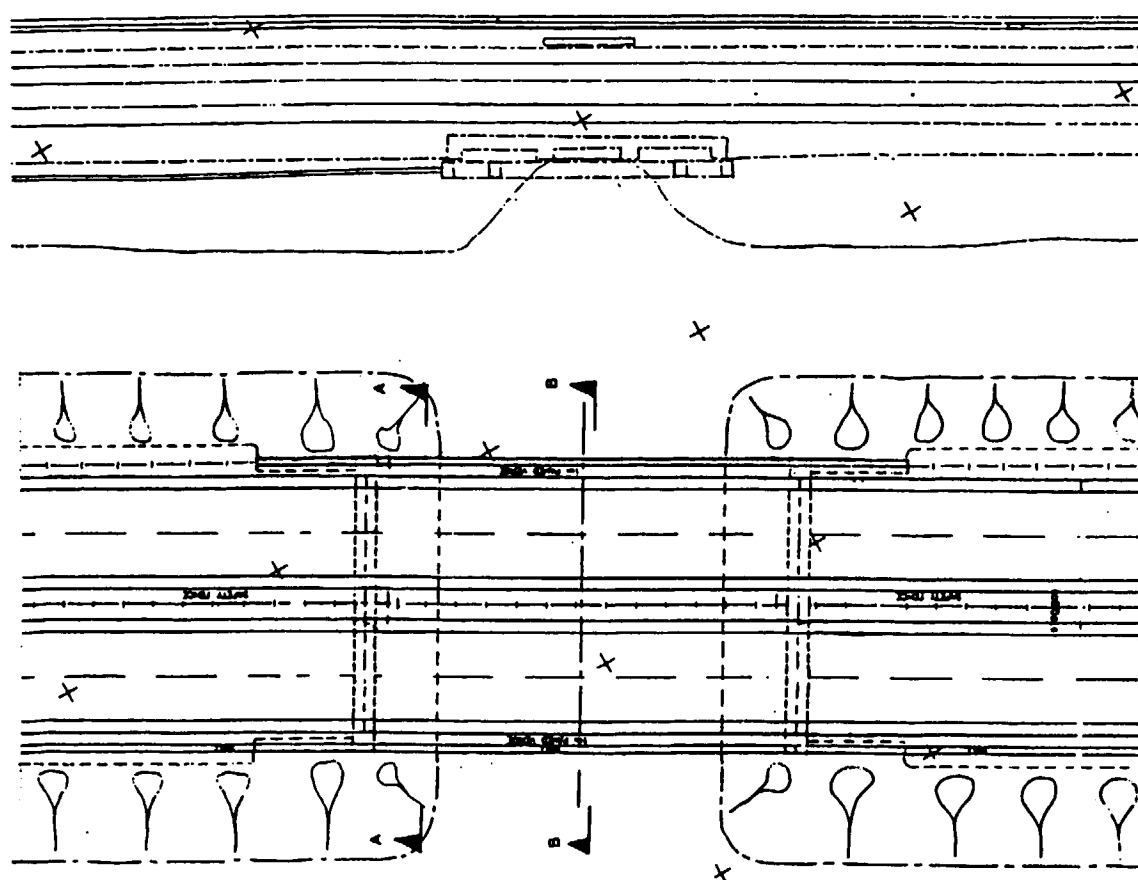


SECTION A-A

Bored Piles

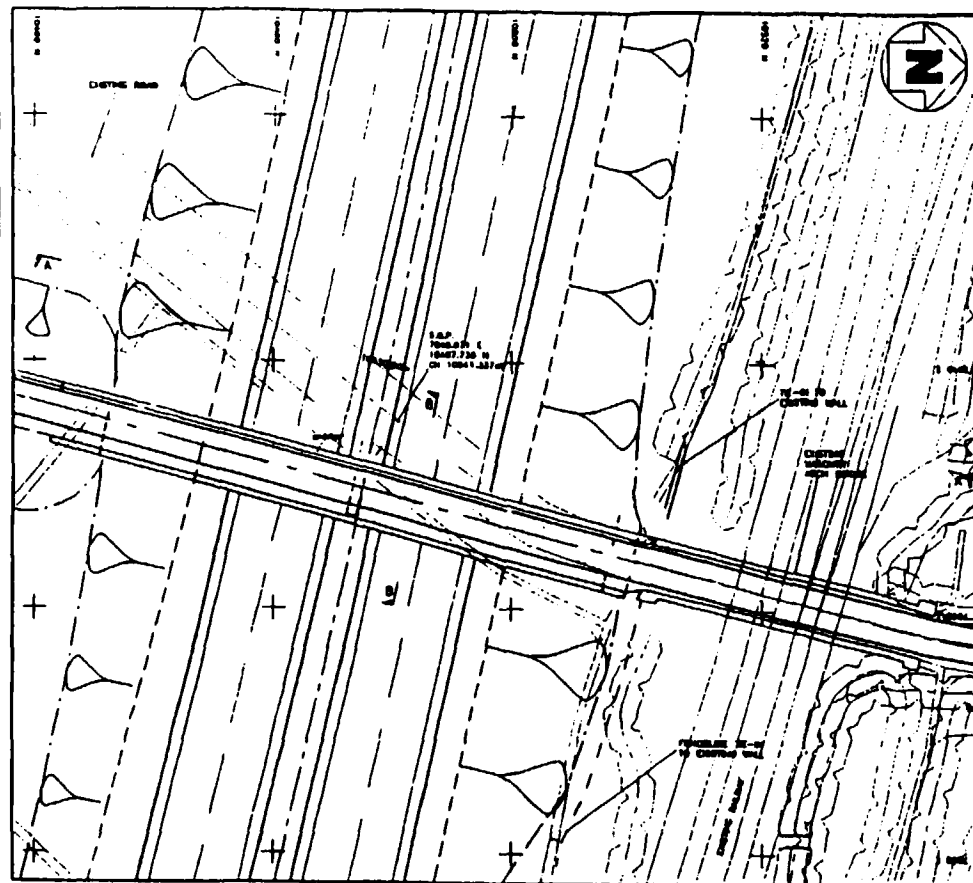


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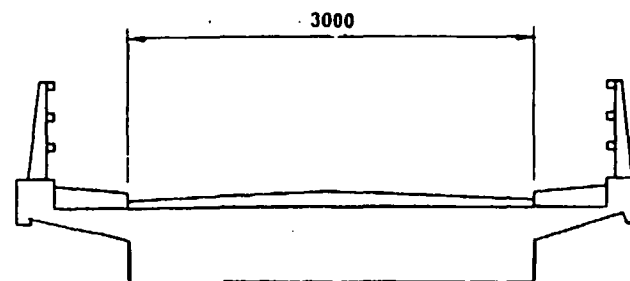


PLAN

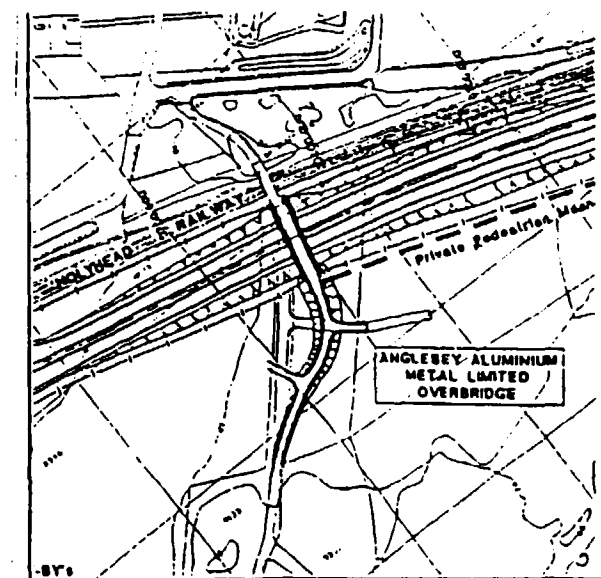
Designed JP	Drawn O.S.B.	Date					Notes		Client		Title					
CAD Ref							1. DRAWING IS INDICATIVE ONLY NOT TO SCALE 2. CONCRETE GRADE SLAB/DECK CONCRETE MIX ST1 PARAPET/STEIN/COARSE CLASS 30/30 PARAPET PRECAST BEAMS CLASS 30/30 OTHER STRUCTURAL CONCRETE CLASS 30/30 3. DESIGNS P2 TO ADAPTE P2 TO PARAPET PLANTING P2 TO EXPOSED CANTILEVER P2 TO ALL OTHER CONCEALED FACES P2 TO WHOLE WALLS AND ABUTMENT FACES U1 TO ALL EXPOSED FACES U1 TO FACED RECEIVING WATERPROOFING U1 TO ALL OTHER CONCEALED FACES		UK Highways plc Tarmac LAING		Y SWYDDFA GYMREIG Adran y Cyfarwyddwr Priflydd WELSH OFFICE Highways Directorate Hyder Consulting		INLAND SEA BRIDGE OPTION 3 A55 LLANDEGAI TO HOLYHEAD DBFO PROJECT		Scale A1 NTS. Date APRIL 1998 © Copyright Reserved UKH - 140B	
1 ISSUED FOR BAFO			Rev	Description of Issue / Revision	Drawn	Check	Appd	Date								



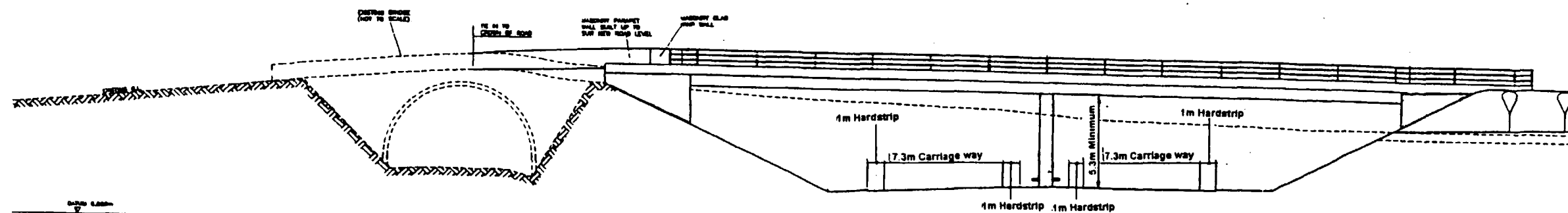
PLAN



TYPICAL DECK SECTION B-B

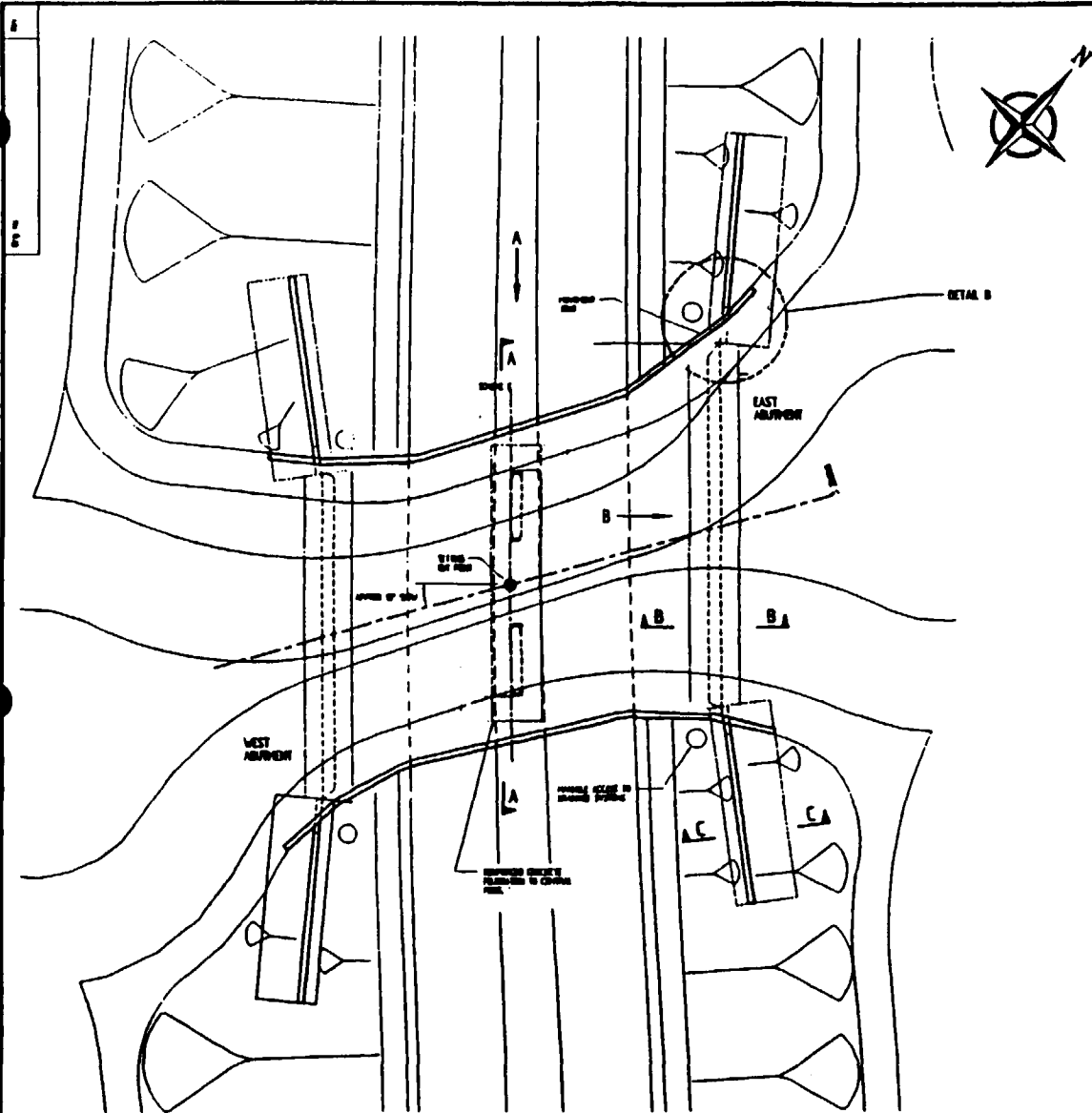


LOCATION PLAN

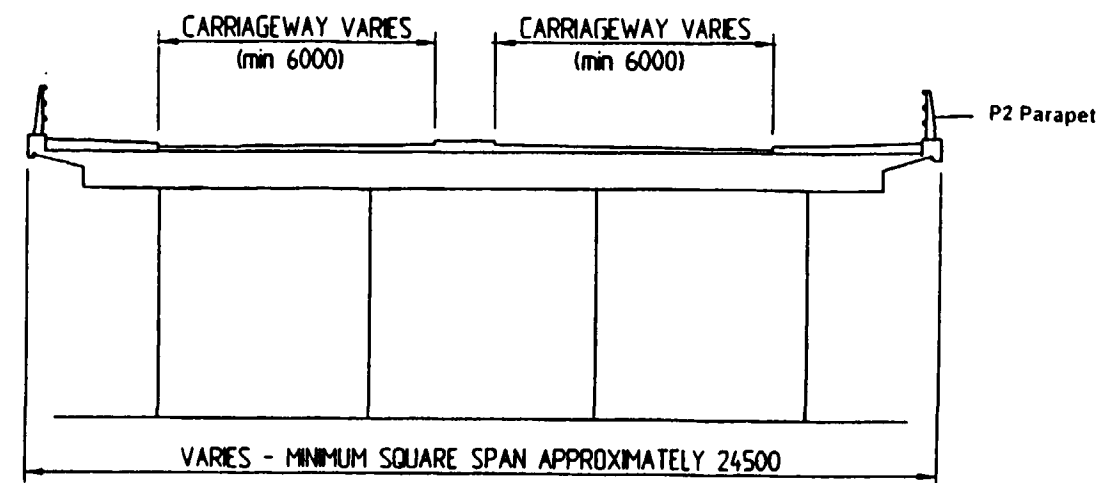


ELEVATION A-A

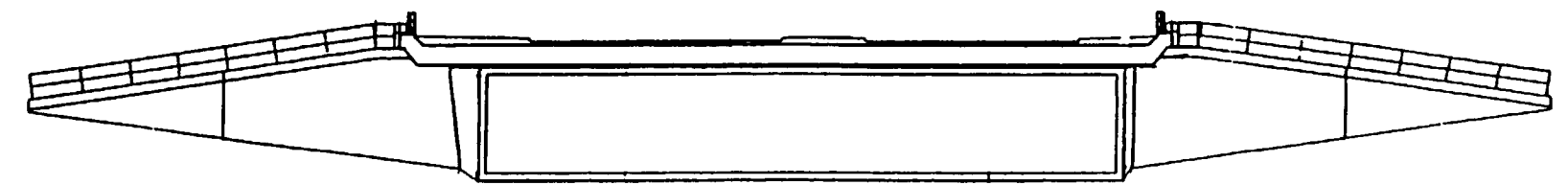
Designed JP	Drawn DSB	Datum																				
CAD Ref																						
			2	REVISED FOR BAFO	2	1	2/95															
			1	TENDER SUBMISSION	AE	R	R	3/96														
			Rev	Description of Issue / Revision	Drawn	Chk	Appd	Date														
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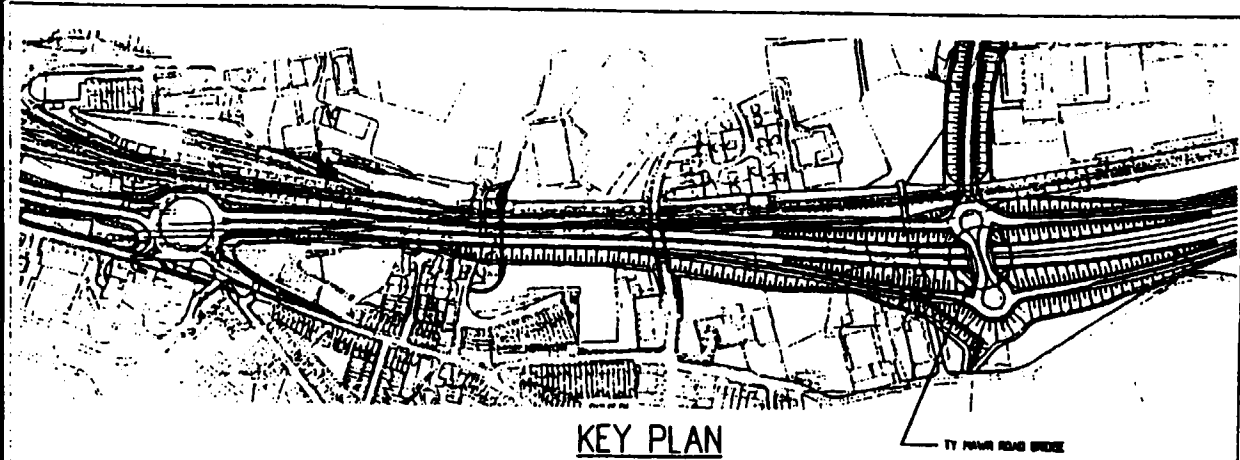
PLAN ON TY MAWR JUNCTION OVERBRIDGE



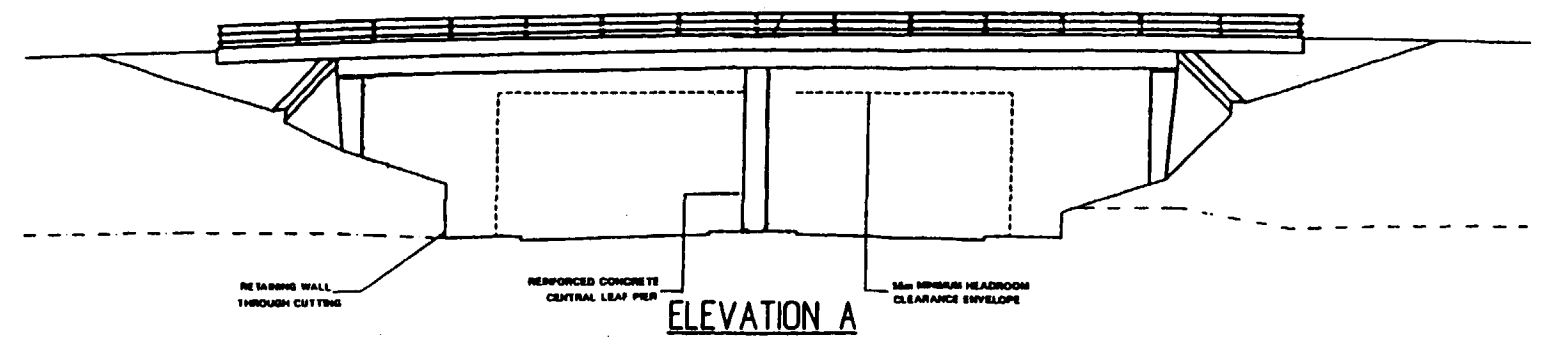
SECTION A-A THROUGH DECK



ELEVATION B ON EAST ABUTMENT

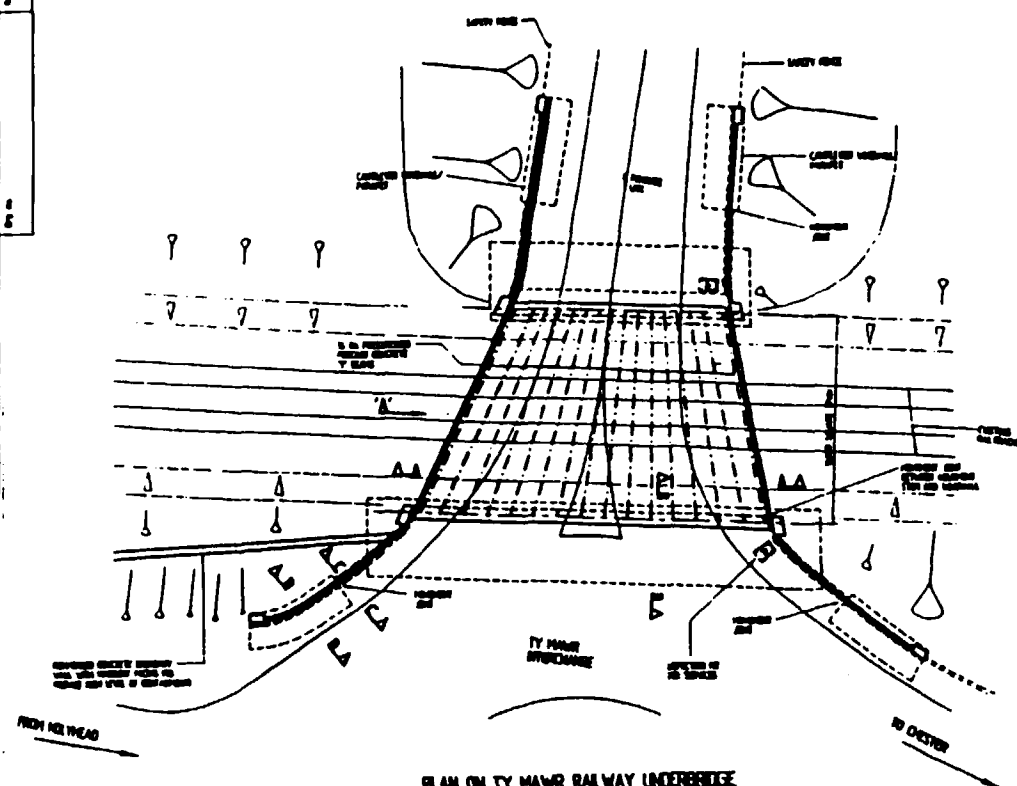


KEY PLAN

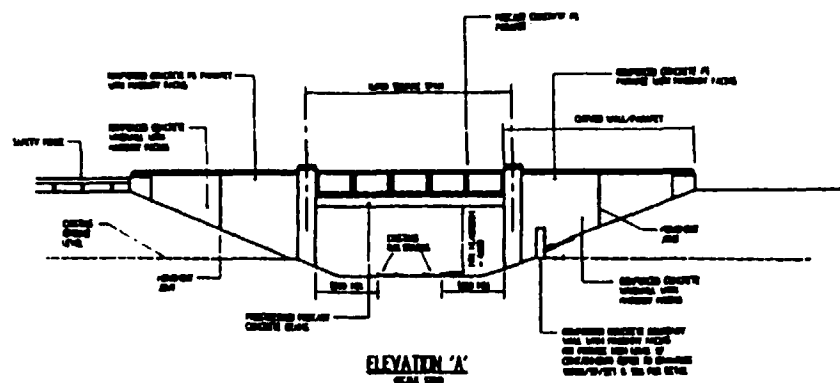


ELEVATION A

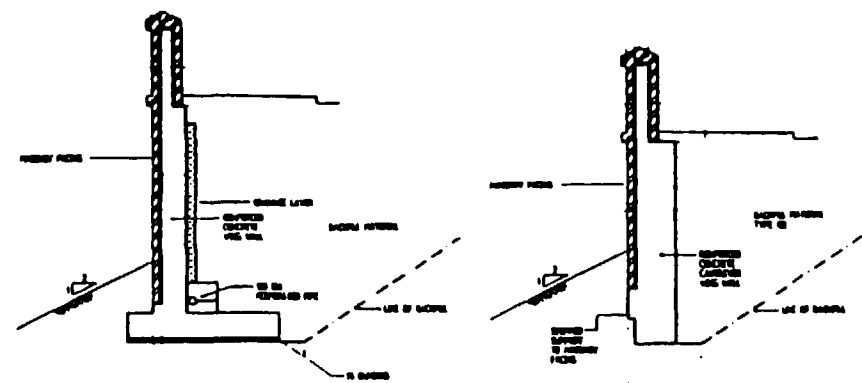
Designed: J.P.	Drawn: D.S.B.	Check: D.S.B.	Notes				UK Highways plc Y SWYDDFA GYMREIG Adran y Cylarwyddwr Prifffyrdd WELSH OFFICE Highways Directorate	TY MAWR JUNCTION OVERBRIDGE	
CAD Ref:			DRAWINGS ARE INDICATIVE ONLY. NOT TO SCALE. CONCRETE GRADES: SLAB/DECK CONCRETE: MIX PT1 PARAPET STRING COURSE: CLASS 15/20 OTHER STRUCTURAL CONCRETE: CLASS 40/50 FINISHES: P1 TO SURFACES P2 TO PARAPET FACING P3 TO EXPOSED CONCRETE P4 TO ALL OTHER CONCEALED FACES P5 TO PIER WALL FACES AND UPON PARAPETS P6 TO WINDWALL PIER AND ABUTMENT FACES P7 TO ALL EXPOSED FACES P8 TO ALL OTHER CONCEALED FACES P9 TO ALL OTHER CONCEALED FACES					Project: A55 LLANDEGAI TO HOLYHEAD DBFO PROJECT	
2 REVISED FOR BAFO 1 TENDER SUBMISSION			2 1 1	1 1 1	1 1 1	1 1 1	Scale: A1 NTS.	Date: APRIL 1998	Rev: UKH-143



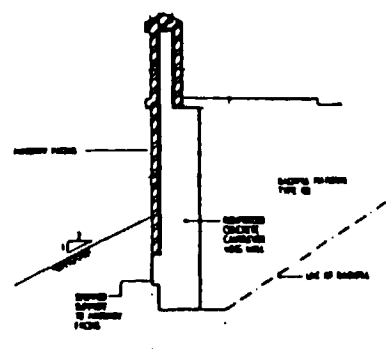
PLAN ON TY MAWR RAILWAY UNDERBRIDGE
SCALE 1:500



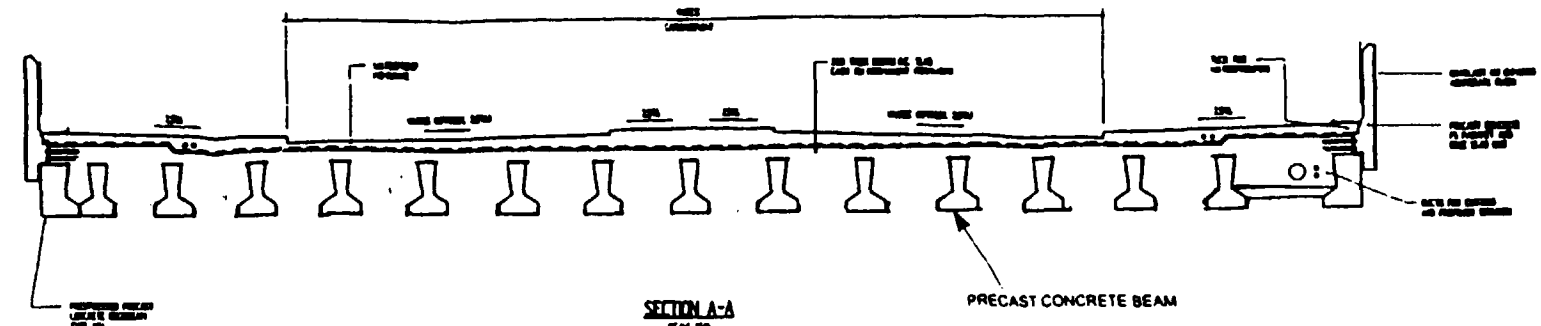
ELEVATION 'A'
SCALE 1:500



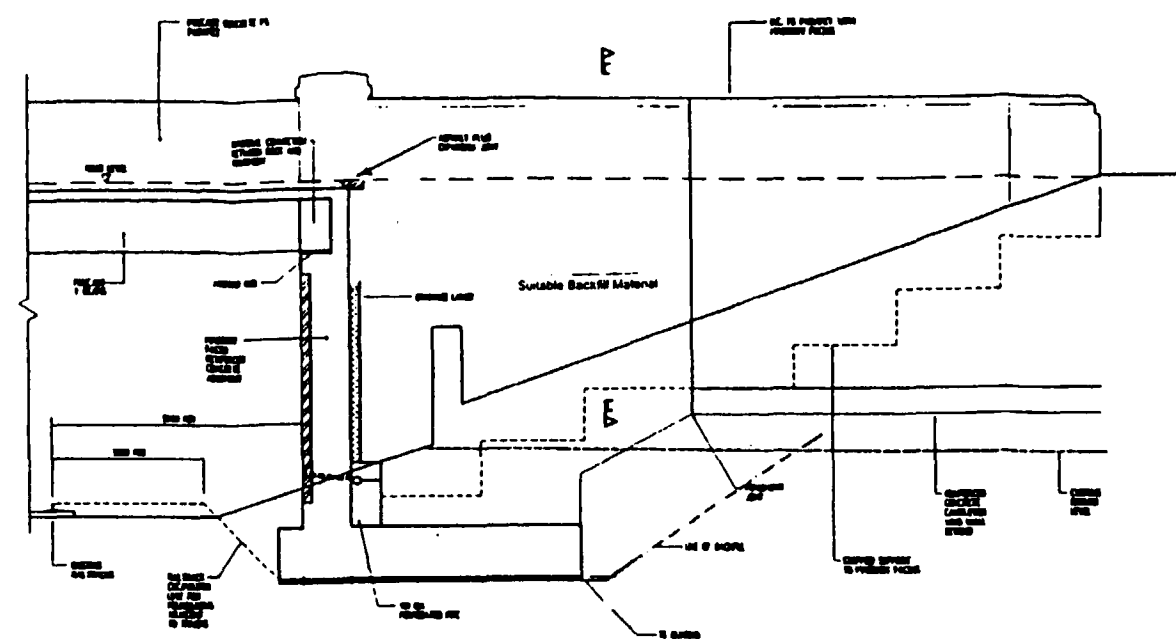
SECTION D-D
SECTION THROUGH PRECASTING WING WALLS
SCALE 1:500



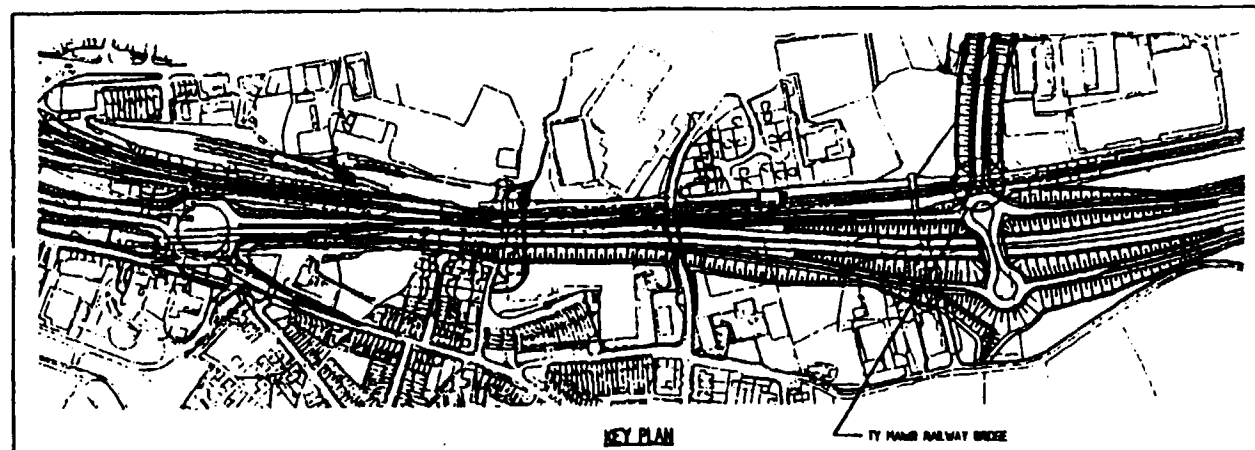
SECTION E-E
SECTION THROUGH CANTILEVER WING WALLS
SCALE 1:500



SECTION A-A
SCALE 1:500



SECTION B-B
SECTION THROUGH MAIN SPAN
SCALE 1:500



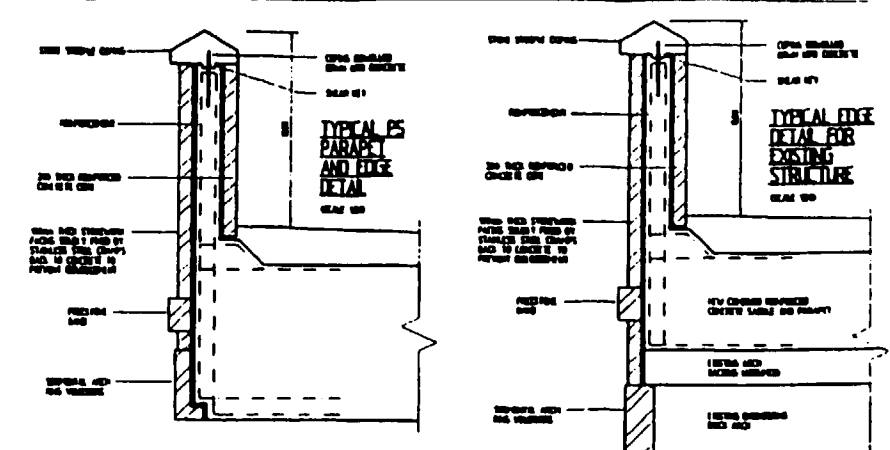
KEY PLAN
SCALE 1:500

Designer	JP	Drawn	DSB	Date	
CAO Ref					

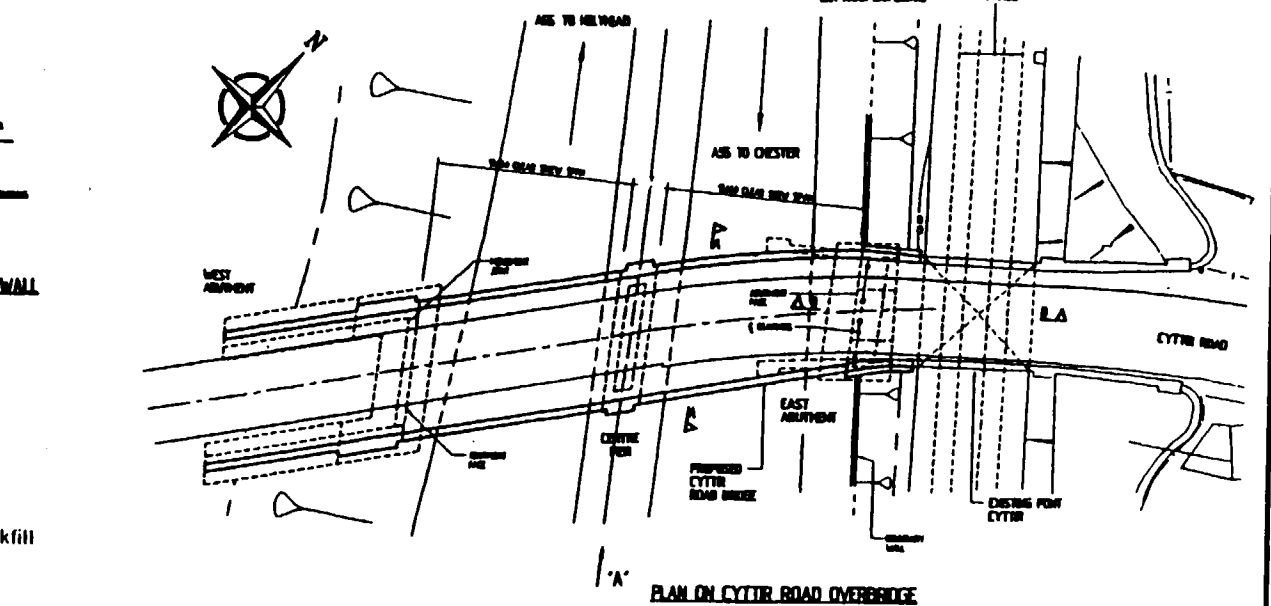
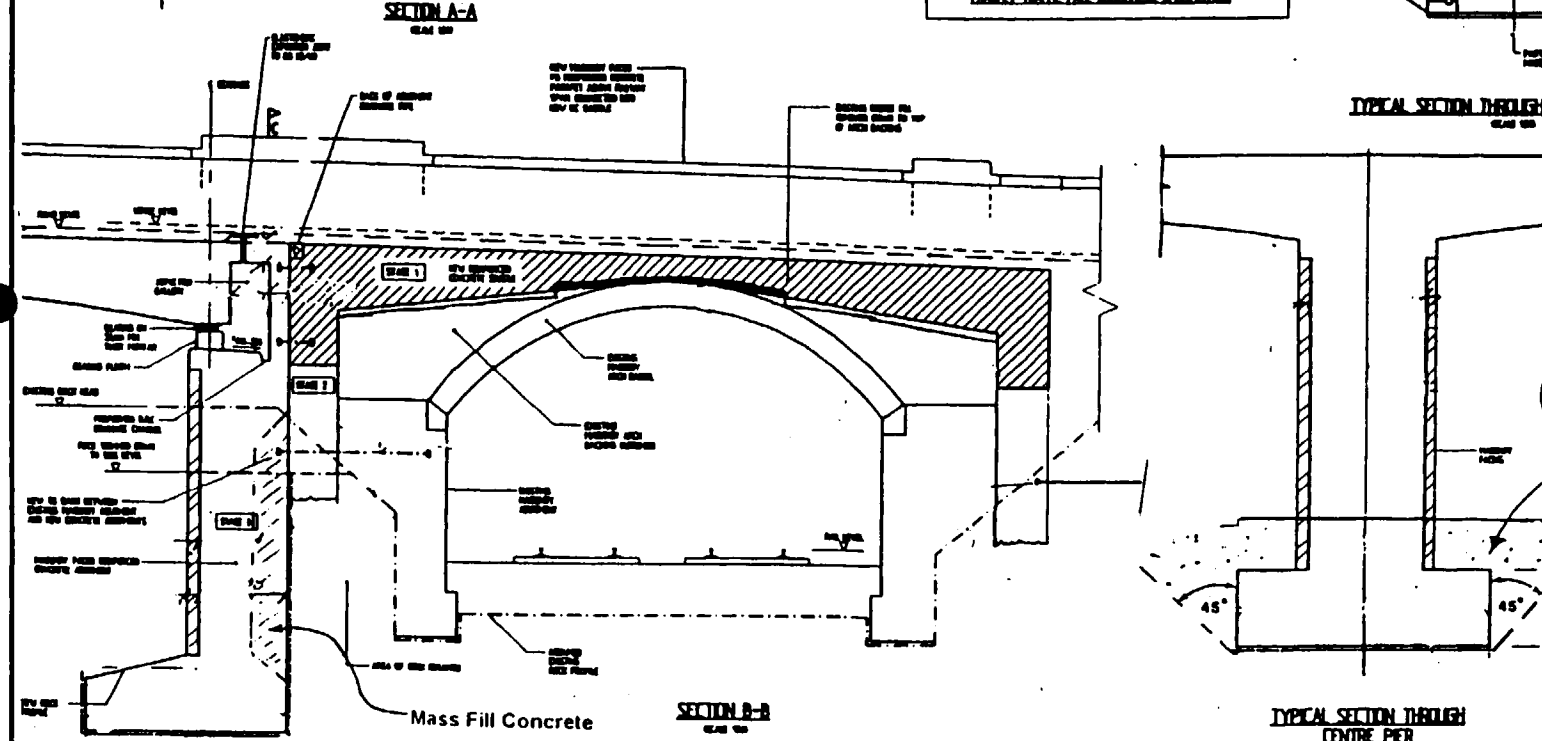
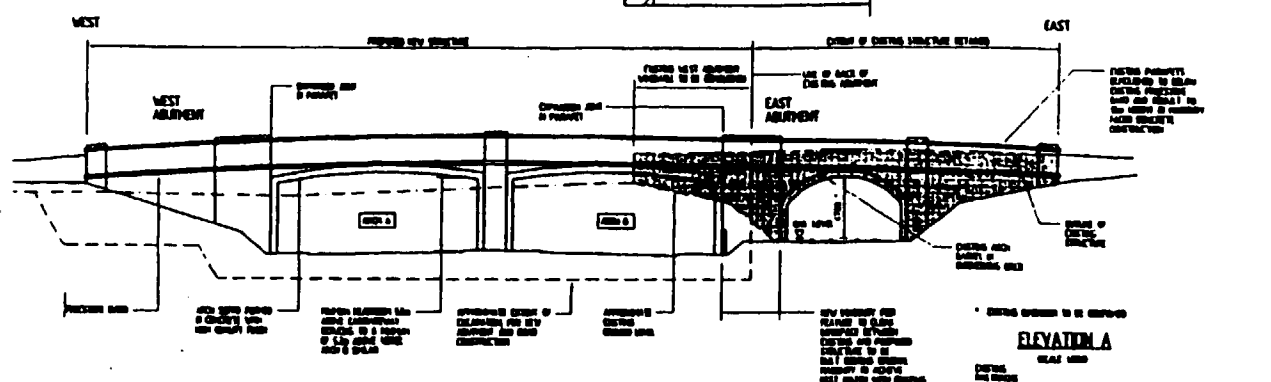
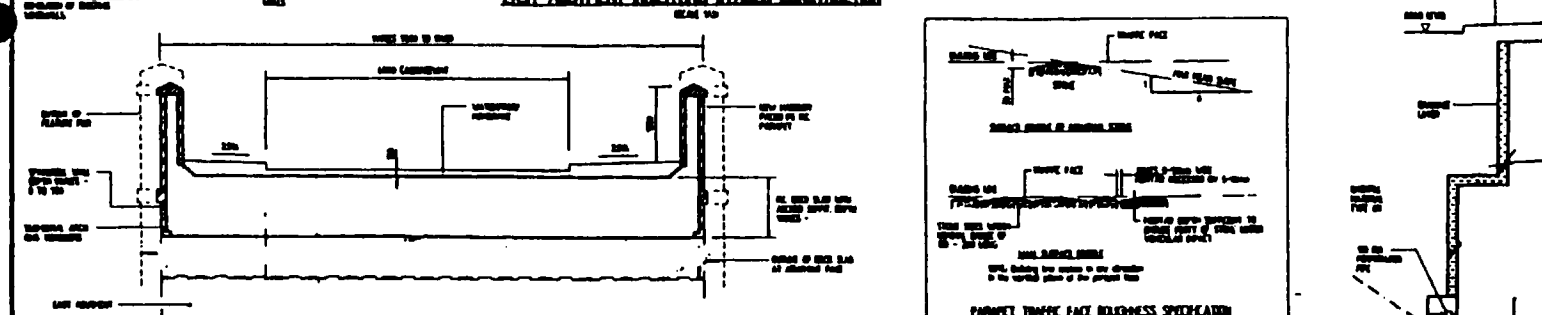
Rev	Description of Issue / Revision	Drawn	Chk	Appd	Date
2	REVISED FOR BAFO	JP	DSB		1/10/98
1	TENDER SUBMISSION	JP	DSB		3/1/98

NOTES	
1. DRAWINGS TO BE MADE IN ACCORDANCE WITH THE REQUIREMENTS OF THE BRIDGE DESIGN SPECIFICATION (BDS) AND THE BRIDGE DESIGN SPECIFICATION (BDS) AND THE BRIDGE DESIGN SPECIFICATION (BDS).	
2. THE BRIDGE DESIGN SPECIFICATION (BDS) AND THE BRIDGE DESIGN SPECIFICATION (BDS) AND THE BRIDGE DESIGN SPECIFICATION (BDS).	
3. THE BRIDGE DESIGN SPECIFICATION (BDS) AND THE BRIDGE DESIGN SPECIFICATION (BDS) AND THE BRIDGE DESIGN SPECIFICATION (BDS).	

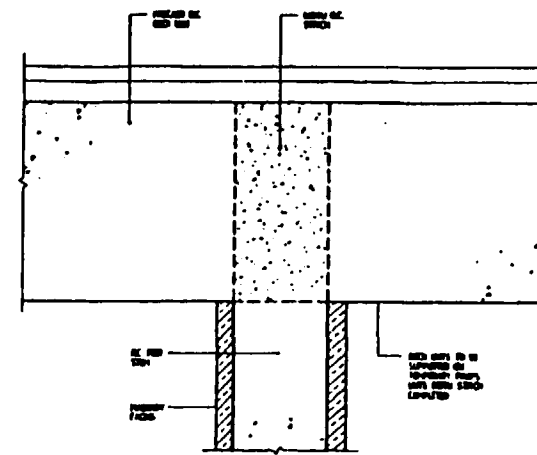
UK Highways plc Tarmac LAING Hyder		Y SWYDDFA GYMREIG Adran y Cyfarwyddwr Priflydd WELSH OFFICE Highways Directorate		TY MAWR RAILWAY OVERBRIDGE A55 LLANDEGAI TO HOLYHEAD DBFO PROJECT	
Project A55 LLANDEGAI TO HOLYHEAD DBFO PROJECT		Scale A1 NTS		Date APRIL 1998	
Drawn JP		Appd DSB		Rev 2	



- 1. DETERMINE THE NEW STRUCTURE TO BE BUILT AND ACQUIRE CLEAR TITLE AND EASEMENTS
 - 2. OBTAINING OF LITTING PERMITS FOR THE USE OF CRANE AND PILING DRILLS FOR THE FOUNDATION IS NECESSARY TO ACQUIRE THE NECESSARY RIGHTS AND EASEMENTS FOR THE NEW
 - 3. OBTAINING NECESSARY PERMITS FOR PRELIMINARY FOUND AND (PILDS OF NECESSARY PILES TO BE DRIVEN DOWN CLOSE TO THE EXISTING AND THE NEW BUILDING ALONG THE CORNER)
 - 4. OBTAINING THE NECESSARY FOUND SUPPORT ALONG EXISTING AND TO BE REMOVED BY REPLACEMENT
 - 5. DETERMINE ON THE EXISTING AND REMOVED ONE LEFT PERCEPATION
 - 6. THE REMOVED STRUCTURE SHALL LEFT ON EXISTING
- SEAL OF CONSTRUCTION OF STEEL BEAM BRIDGE**
- 1. OBTAIN TITLE AND CLEAR EASE
 - 2. OBTAIN PERMITS, AND ALL OTHER RIGHTS TO BUILD THE STRUCTURE, OF FOUNDATION AND PILING DRILLS AND LITTING OF A CRANE TO BE USED FOR THE EXISTING BUILDING
 - 3. CONSTRUCT CRANE RIGGING OF THE NEW CONCRETE BRIDGE (PILDS TO BE DRIVEN DOWN CLOSE TO EXISTING AND REMOVED)
 - 4. REMOVED EXISTING AND EASE
 - 5. LAYING IN PAIR CONCRETE BRIDGE GIRDERS TO BE
 - 6. CONSTRUCT NEW STEEL WITH BRIDGE AND NEW BRIDGE AND REMOVED BRIDGE



Designed	J.P.	Drawn	DSB	Date					Notes	UK Highways plc Tarmac ^{TD} LAING		Client	 Y SWYDDFA GYMREIG Adran y Cyfarwyddwr Prifffyrdd WELSH OFFICE Highways Directorate	Title	CYTTIR OVERBRIDGE 				
CAD Ref									1. DRAWING IS INDICATIVE ONLY NOT TO SCALE 2. CONCRETE GRADES PLAIN/STRUCT CONCRETE MIN ST1 PARAPET CLASS 30-35 OTHER STRUCTURAL CONCRETE CLASS 40-45 3. FINISHES P1 TO SURFACES P1 TO PARAPET CONCRETE, TRADITIONAL MASONRY CLADDING P1 TO STRING COURSES P1 TO ALL OTHER CONCRALED FACES P1 TO PIER STAINING COULERS AND TRADITIONAL MASONRY CLADDING TRADITIONAL MASONRY FACING TO SIGNWALLS AND ABUTMENTS P1 TO ALL EXPOSED FACES U1 TO FACED RECEIVING WATERPROOFING P1 TO ALL OTHER CONCEALED FACES	Designer	 Hyder Consulting	Project	A55 LLANDEGAI TO HOLYHEAD DBFO PROJECT		Scale	A1 NTS	Date	APRIL 1998	
Rev	Description of Issue / Revision				Drawn	Chd	Appd	Date					1. LEADER SUBMISSION 4E R R 3/98	© Copyright Reserved Dwg No UKH-146	Rev	2			



COVERED ROADWAY/VIADUCT

ROADWAY

SIDEWALK

TRENCH WALLS

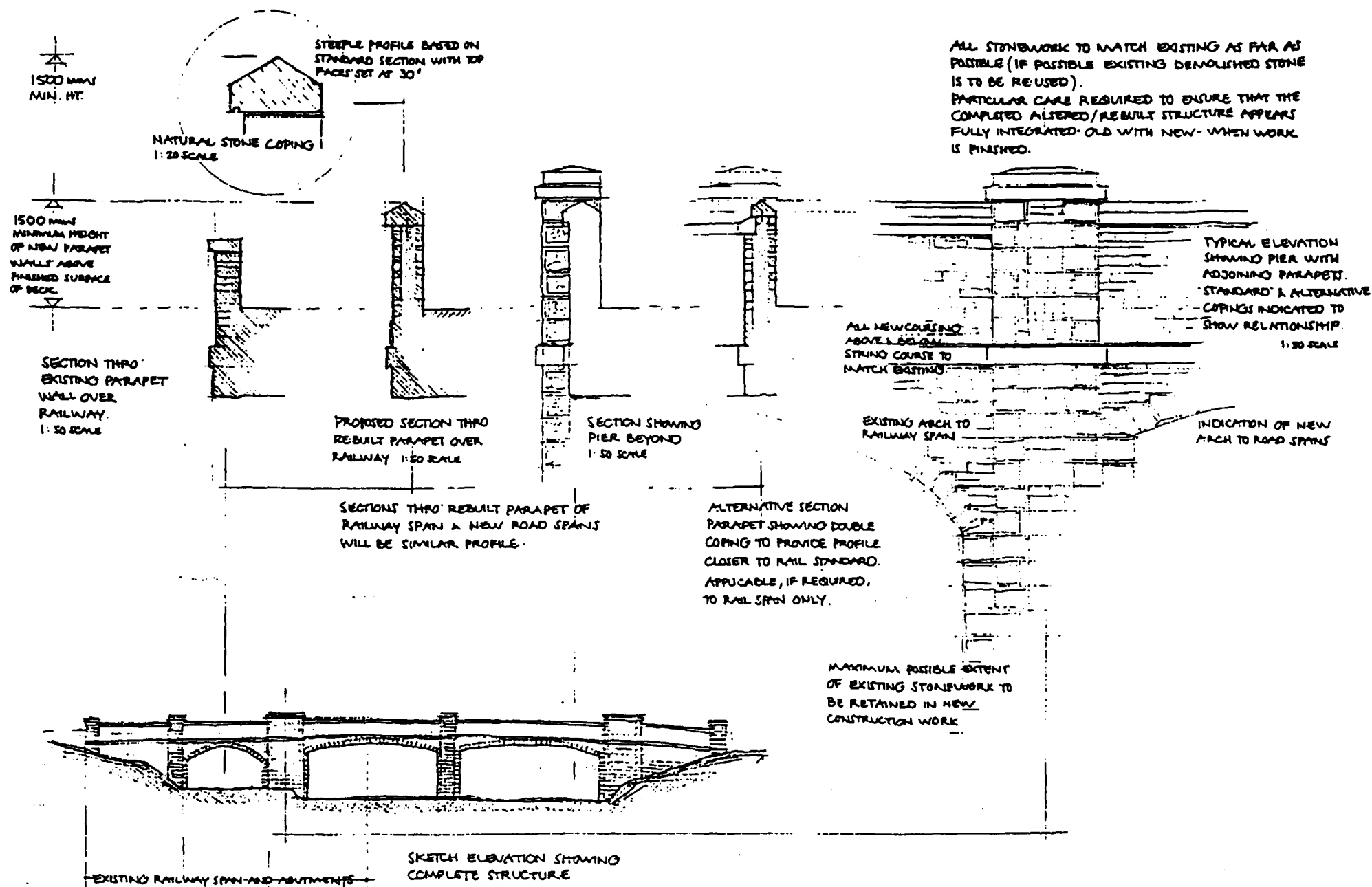
ROADWAY

[illegible][illegible]

A detailed black and white line drawing of a complex highway interchange. The drawing shows multiple levels of overpasses and ramps, with cars depicted on the roads. The interchange is surrounded by urban buildings and trees, suggesting an urban environment. The drawing is highly detailed, showing the structure of the roads and the surrounding landscape.

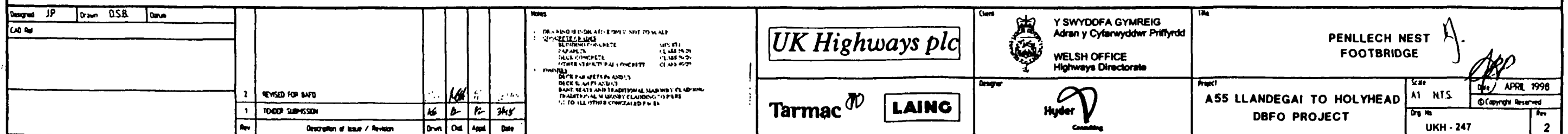
FULL-ARCH NEST POSITIONING **KEY PLAN**

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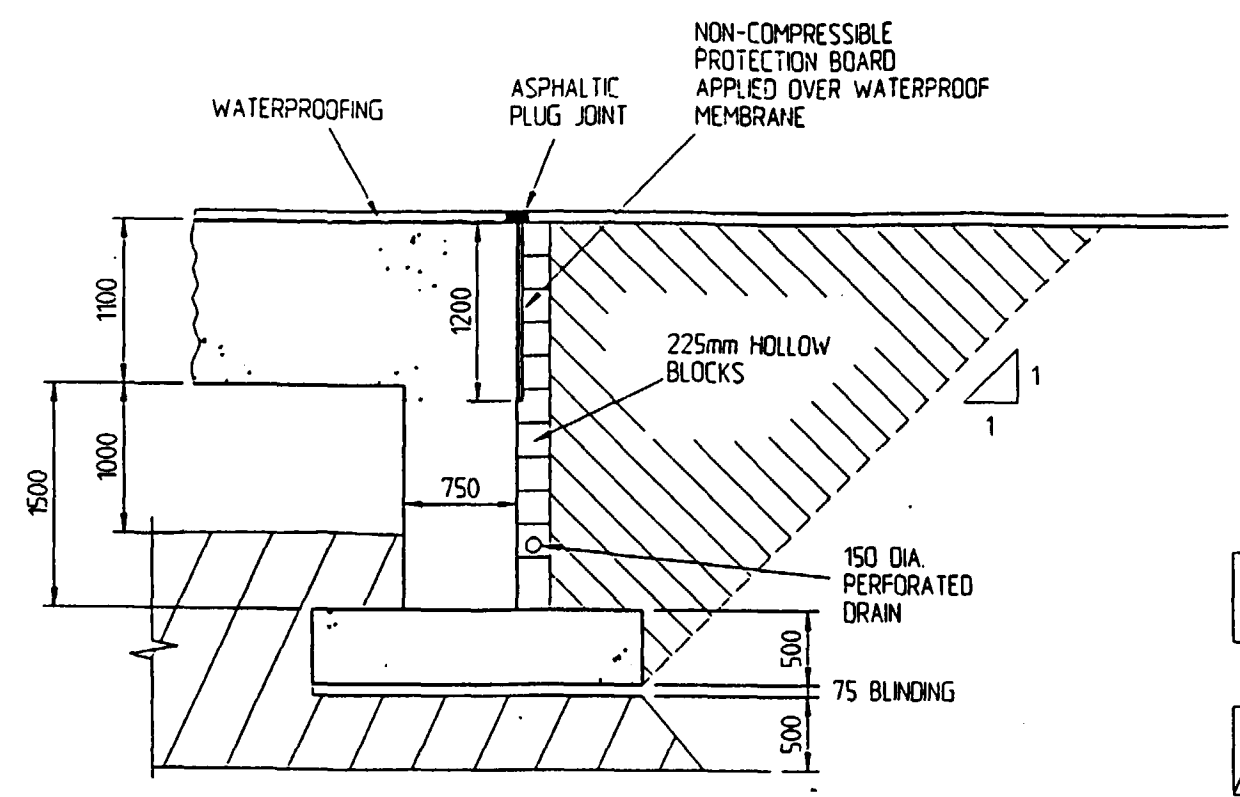


Designed JP	Drawn OSB	Date																			
CAD Ref																					
2	REVISED FOR INFO	1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1						
1	TENDER SUBMISSION	1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1						
Rev	Description of Issue / Revision	Drawn	Chk	Appd	Date																
						Notes 1. DRAWINGS INDICATIVE ONLY - NOT TO SCALE 2. EXISTING STONEMASONRY TO BE REUSED WHERE POSSIBLE 3. ALL NEW COURSEING ABOVE EXISTING STONE COURSE TO MATCH EXISTING 4. ALL STONEMASONRY TO MATCH EXISTING AS FAR AS POSSIBLE (IF POSSIBLE EXISTING DEMOLISHED STONE IS TO BE REUSED) 5. PARTICULAR CARE REQUIRED TO ENSURE THAT THE COMPLETED ALTERED/REBUILT STRUCTURE APPEARS FULLY INTEGRATED OLD WITH NEW - WHEN WORK IS FINISHED				UK Highways plc Tarmac  LAING				Client  Y SWYDDFA GYMREIG Adran y Cyfarwyddwr Prifffyrdd WELSH OFFICE Highways Directorate Designer  Hyder Consulting				Title CYTTIR OVERBRIDGE  Project A55 LLANDEGAI TO HOLYHEAD DBFO PROJECT Scale A1 NTS Org No UKH - 246 Date APRIL 1998 © Copyright Reserved Rev 2			

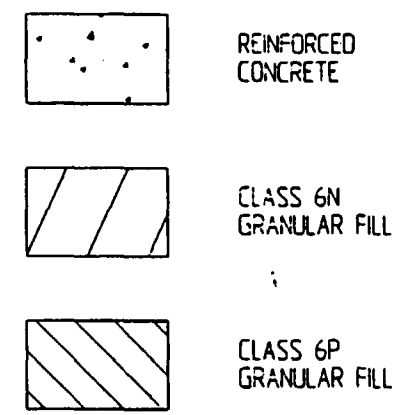
SKETCH ELEVATION SHOWING COMPLETE STRUCTURE



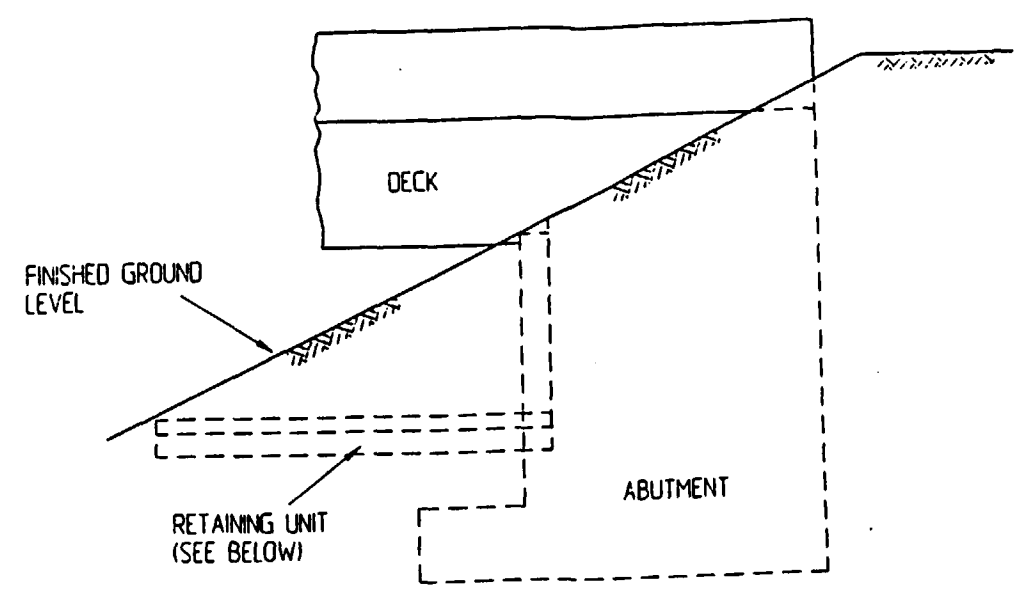
UKH-248



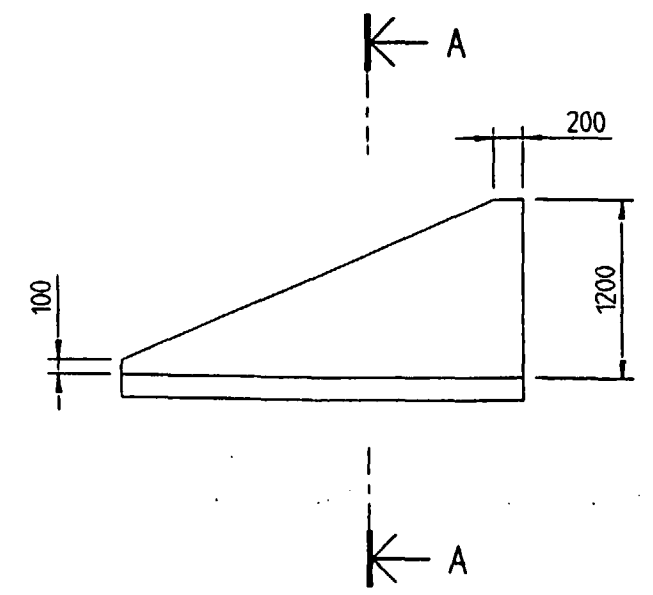
BANK SEAT ABUTMENT DETAILS



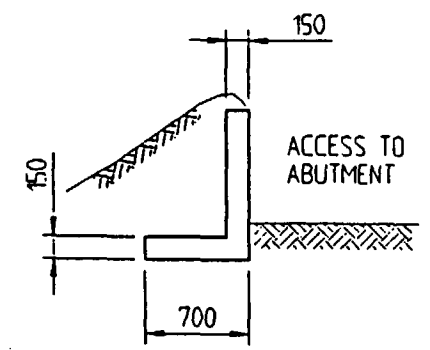
KEY



ELEVATION AT ABUTMENT

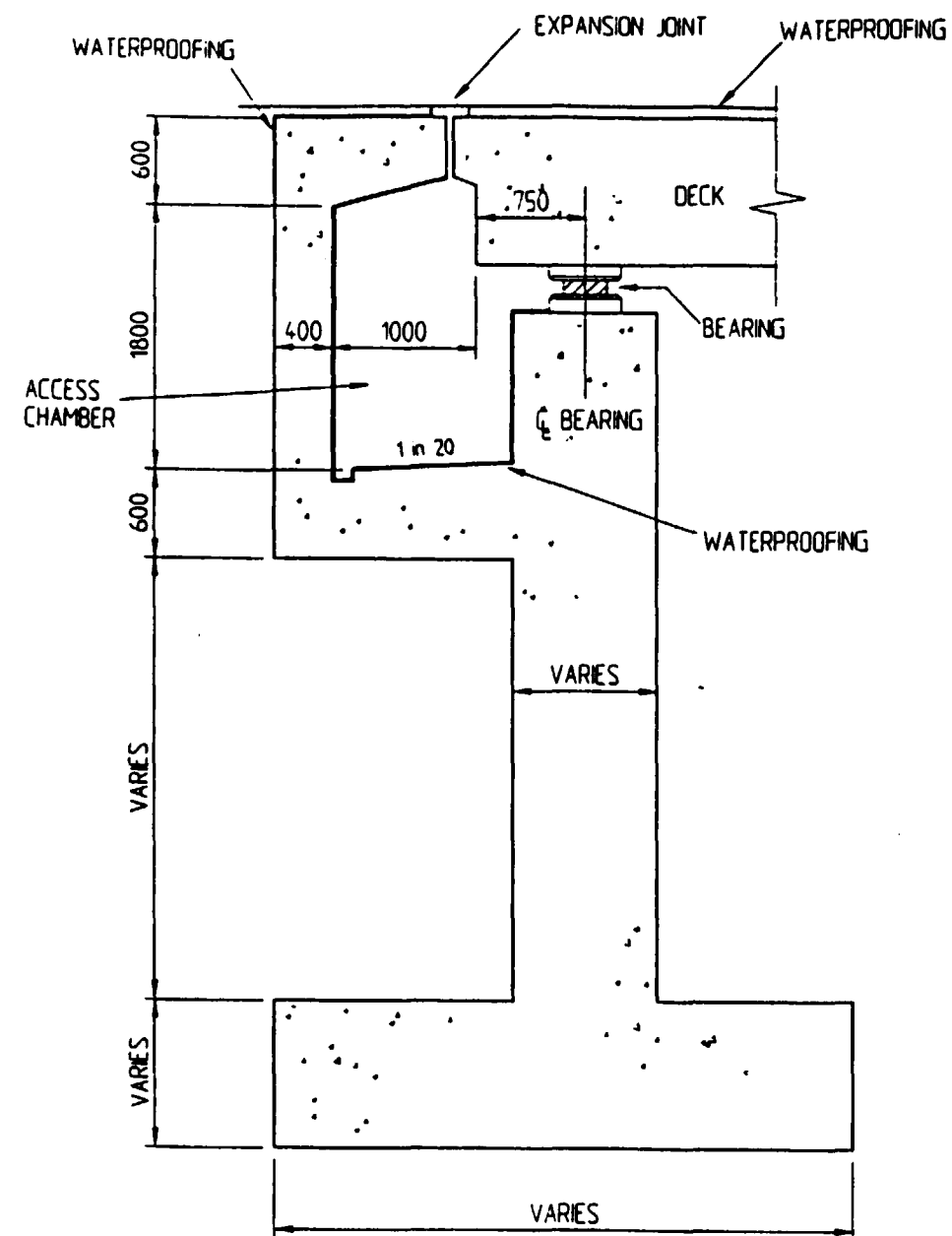


ELEVATION ON RETAINING UNIT



SECTION A-A

Design	Drawn	Calculated	Notes	UK Highways plc	Y SWYDDFA GYMREIG Adran y Cyfarwyddwr Priflydd WELSH OFFICE Highways Directorate	TYPICAL BANK SEAT ARRANGEMENT FOR INTEGRAL ABUTMENTS
CAD Ref	N\GD00208\N\H-0024			Tarmac	Hyder	A55 LLANDEGAI TO HOLYHEAD DSFO PROJECT
1	RENDER SUBMISSION			LAING		23/07/98
Rev	Description of Issue / Revision	Drawn	Ord	Appl	Date	UKH-248



ABUTMENT

Designed	Drawn	Check					Notes			Client	Y SWYDDFA GYMREIG Adran y Cylarwyddwr Priflydd WELSH OFFICE Highways Directorate	Title	TYPICAL BANK SEAT ARRANGEMENT FOR NON INTEGRAL ABUTMENTS		
C40 Ref: N\G000208\N\H-0025										Designer		Project	A55 LLANDEGAI TO HOLYHEAD DBFO PROJECT		
1 TENDER SUBMISSION												Scale	A1	Date	23/07/98
Rev Description of issue / Revision			Drawn	Check	Issue	Date					Drawn by UKH-249		Date 0		