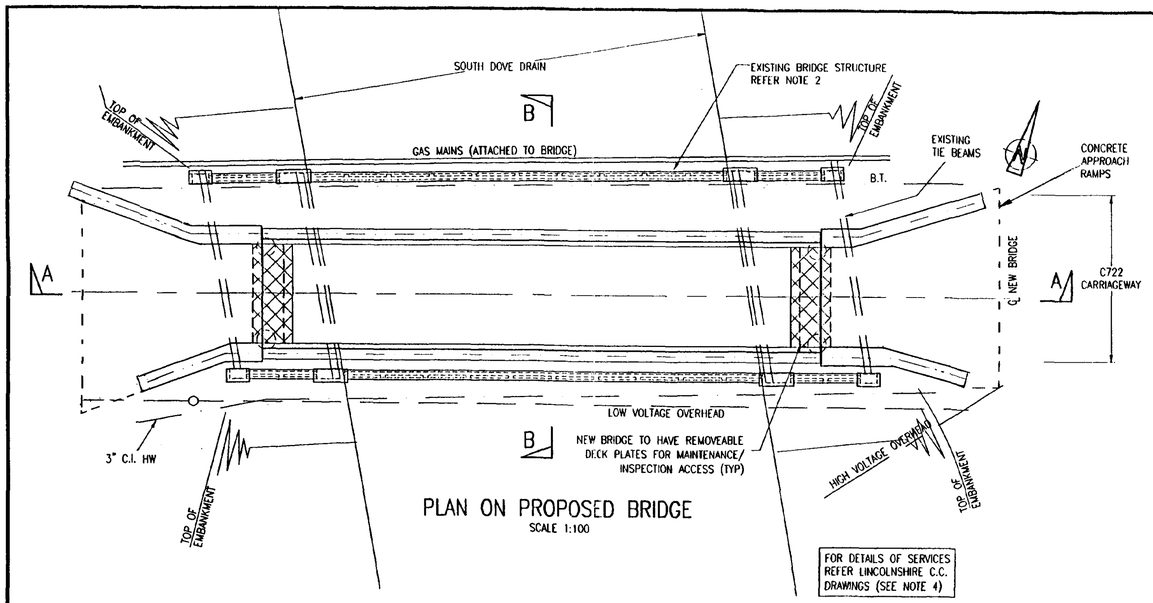
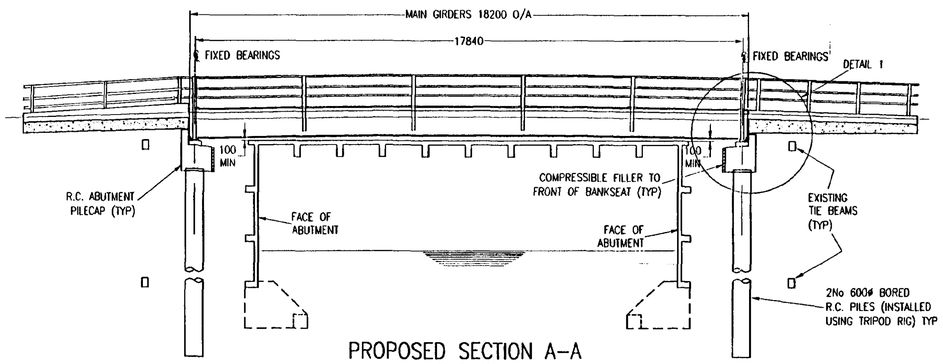
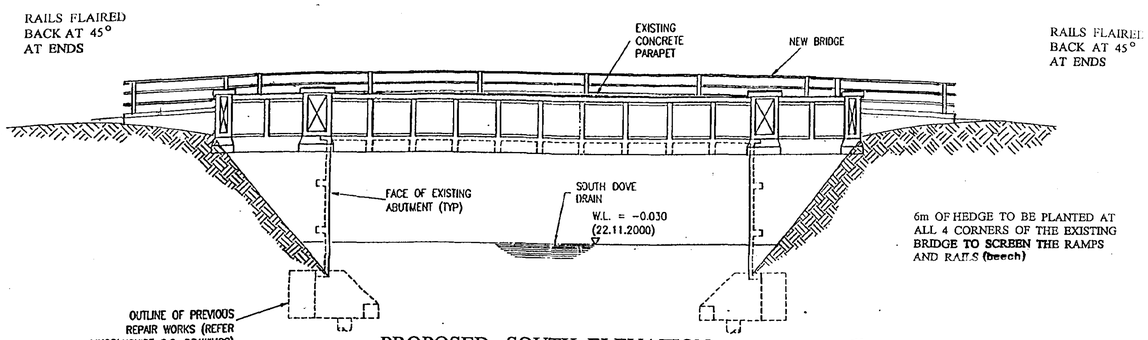


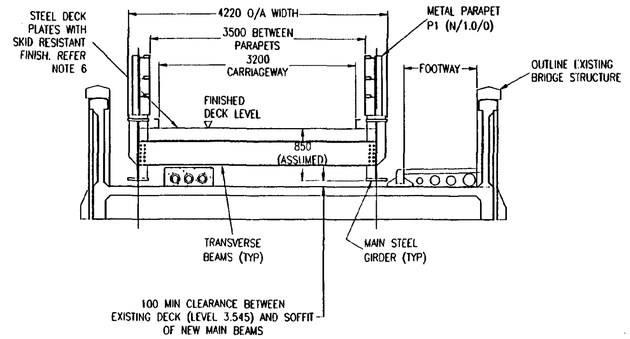
PLAN ON PROPOSED BRIDGE
SCALE 1:100



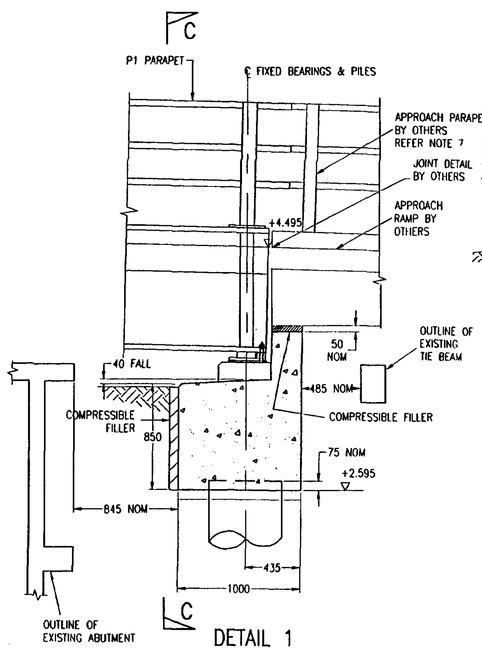
PROPOSED SECTION A–A
SCALE 1:100



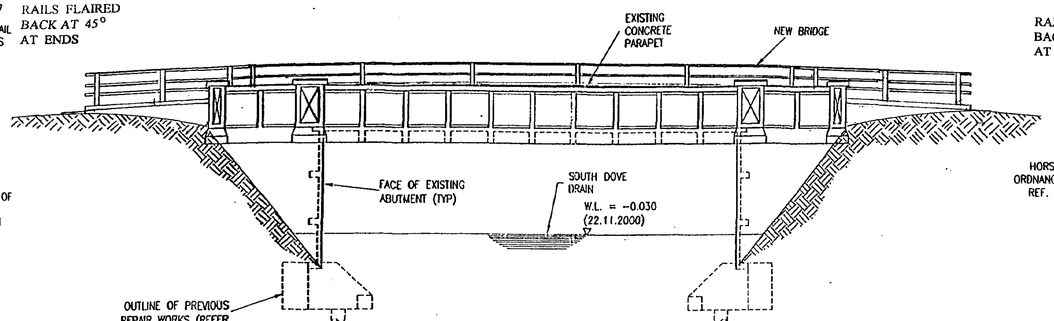
PROPOSED SOUTH ELEVATION
SCALE 1:100



TYPICAL CROSS SECTION B–B
SCALE 1:100



DETAIL 1
SCALE 1:25



PROPOSED NORTH ELEVATION
SCALE 1:100

DETERMINED PLAN



LOCATION PLAN
N.T.S.

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DRAWING No. B100078/001

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NOTES

1. ALL DIMENSIONS IN mm
2. THE EXISTING BRIDGE STRUCTURE IS GRADE 2 LISTED AND IS TO BE RETAINED IN ITS PRESENT FORM
3. DETAILS SHOWN ARE INDICATIVE AND MAY BE SUBJECT TO ALTERATION DURING THE DEVELOPMENT OF THE DESIGN
4. THIS DRAWING TO BE READ IN CONJUNCTION WITH LINCOLNSHIRE COUNTY COUNCIL DRAWING No's B/c01902/009 TO 1022
5. STRUCTURAL STEEL FOR BRIDGE DECK TO BE GRADES S355J2G3 AND S275J2G3 IN ACCORDANCE WITH BS EN 10 025. BRIDGE STRUCTURE TO BE HOT DIP GALVANISED AND PAINTED
6. UPPER SURFACE OF BRIDGE STEEL DECKING TO HAVE A CALCINED HAUYITE AGGREGATE WITH EPOXY BINDER SKID RESISTANT FINISH
7. BRIDGE PARAPETS TO BE METAL P1 (N/1.0/0) 113kph. CONTINUITY TO BE PROVIDED BETWEEN THE BRIDGE PARAPETS AND THE APPROACH RAMP PARAPETS. PARAPETS TO BE GALVANISED AND PAINTED DARK GREEN
8. THE DESIGN OF BANK SEAT/ABUTMENT AND PILES HAS ASSUMED ø = 30 DEGREES MINIMUM FOR COMPACTED FILL BEHIND THE ABUTMENT, ko=0.5, ka=0.33, kp=3.0, γ=18kN/m³. DETAILS TO BE VERIFIED BY EXCAVATION ON SITE
9. CONCRETE ABUTMENT TO BE GRADE 40/20
10. VERTICAL PILE LOADS 650kN (UNFACTORED)
11. ALL CONCRETE AND CONCRETE WORKS TO BE IN ACCORDANCE WITH SECTION 1700 OF THE SPECIFICATION FOR HIGHWAY WORKS

FOR APPROVAL
ISSUED 28 NOV 2000

REV.	BY	CHK'D	APP'D	DATE	DESCRIPTION
P0	FS			28/11.00	ORIGINAL ISSUE

CONSULTING ENGINEERS
TONY GEE and PARTNERS
COBHAM SURREY
ASHFORD KENT
HALESOWEN W. MIDLANDS

ON BEHALF OF

WREKIN CONSTUCTION Co. Ltd.

RECEIVED
29 NOV 2000

HORSESHOE BRIDGE (NEW ROAD BRIDGE) SPALDING

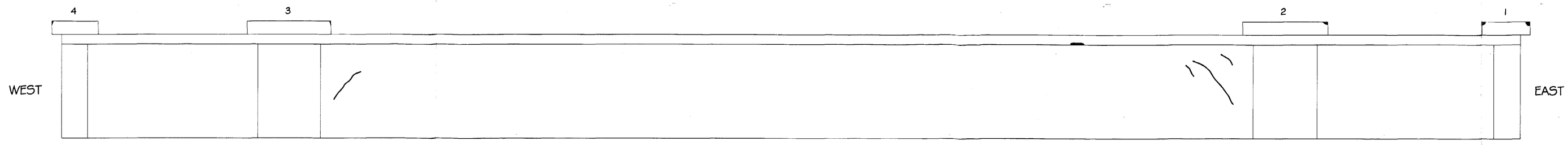
APPROVAL IN PRINCIPLE
GENERAL ARRANGEMENT
NEW BRIDGE

Planning & Development Directorate
16 MAR 2001
Planning & Conservation

DRG. No. B100078/001 B

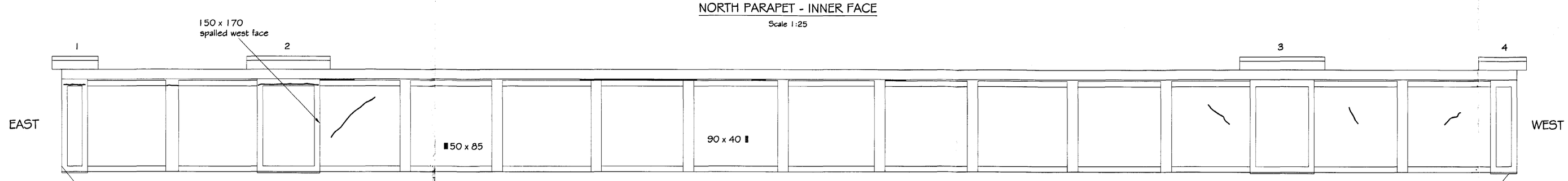
DRAWN : FS | DESIGNED : AWK

SCALE : AS SHOWN



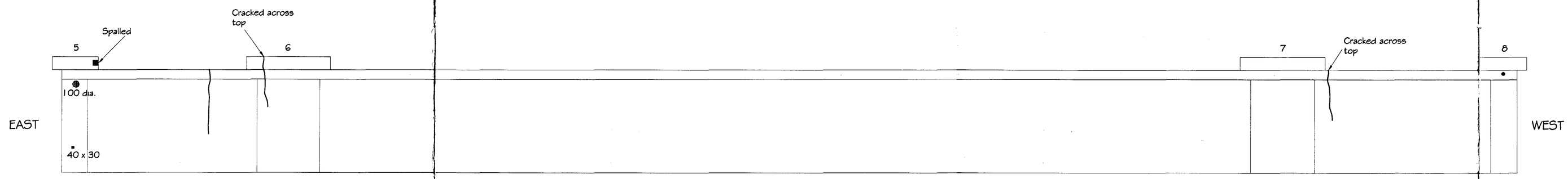
NORTH PARAPET - INNER FACE

Scale 1:25



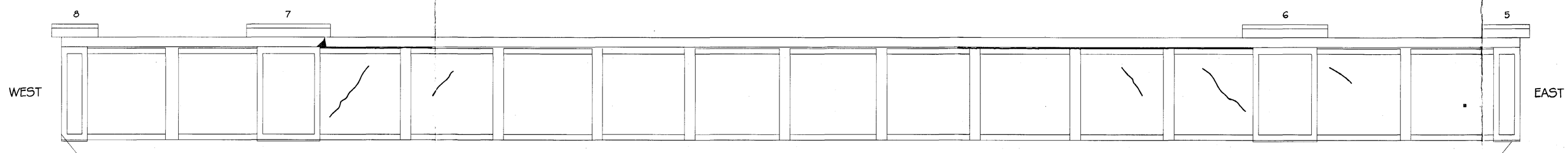
NORTH ELEVATION

Scale 1:25



SOUTH PARAPET - INNER FACE

Scale 1:25



SOUTH ELEVATION

Scale 1:25

NOTES

1. All cracked and spalled concrete is to be hacked off. With the area of spalling clearly revealed the area is to be delineated by saw cutting round the perimeter to a depth of 5mm. Prior to carrying out patching of the defective concrete, the exposed reinforcement is to be grit blasted SA2 of ISO 8501-1 as implemented by BS 7079: Part 1. The concrete is to be free from all dust, loose materials or other deleterious matter. A compressor is not to be used for blowing clean unless it can be shown that there is no possibility of contamination by oil mist.

2. Prebatched acrylic polymer modified cementitious mortars shall be used.

   The water/cement ratio shall be not greater than 0.4.

   The cement content shall be not less than 400kg/m^3.

   The total chloride ion content of the materials shall not exceed 0.3% of the mass of cement. Calcium chloride or admixtures containing chloride salts shall not be used.

   The content of equivalent sodium oxide in the mortar shall be restricted or non-reactive aggregates shall be used, as defined in the relevant clauses of the 1700 Series of the Specification.

DETERMINED PLAN

Highways & Planning Directorate
- 5 JAN 2001
Planning & Conservation

Amendment details

LINCOLNSHIRE - Part of the East Midlands Region

LINCOLNSHIRE COUNTY COUNCIL
HIGHWAYS & PLANNING DIRECTORATE
P.D. JAMESON, B.Sc.,C.Eng.,F.I.C.E., Head of Technical Services
Witham Park House, Witham Park, Waterside South, Lincoln LN5 7JN

DRG.No. A/C01902/008

Archive No. 22/11/81

HORSESHOE BRIDGE, SPALDING
CONCRETE REPAIRS

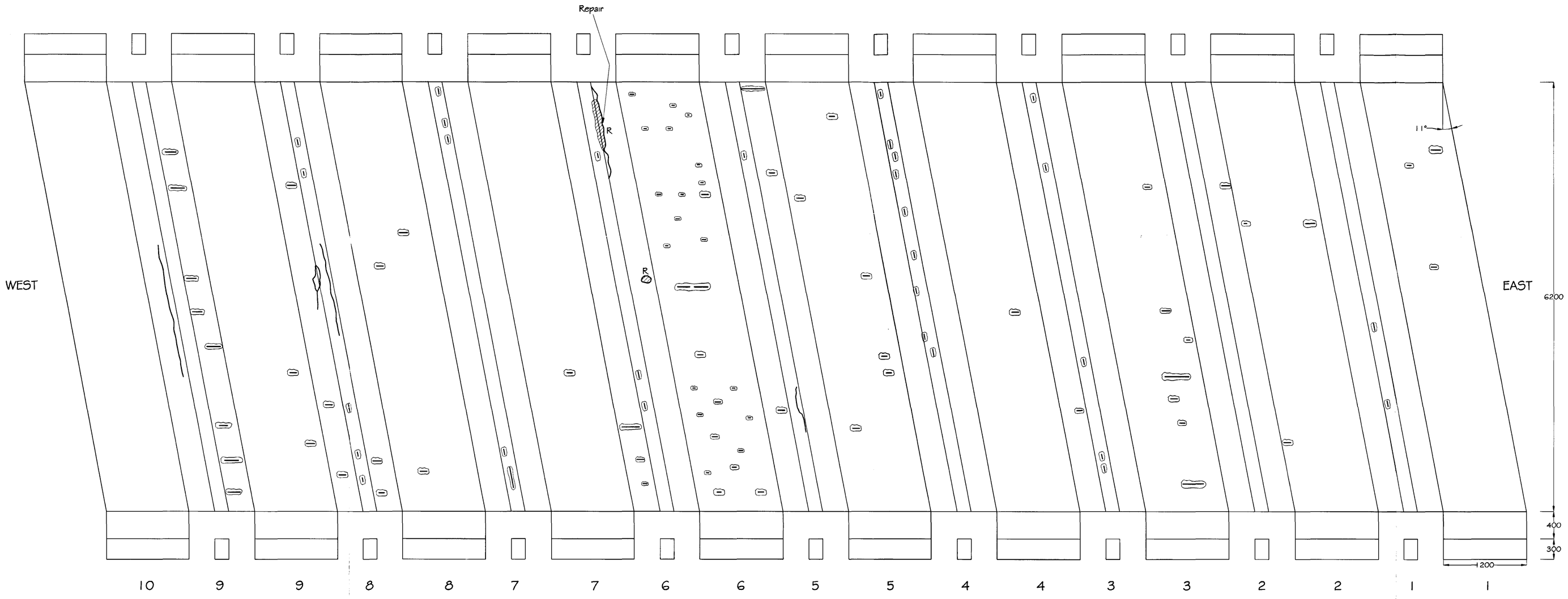
ELEVATIONS AND PARAPETS

SCALE: 1:25 DATE: October 1999

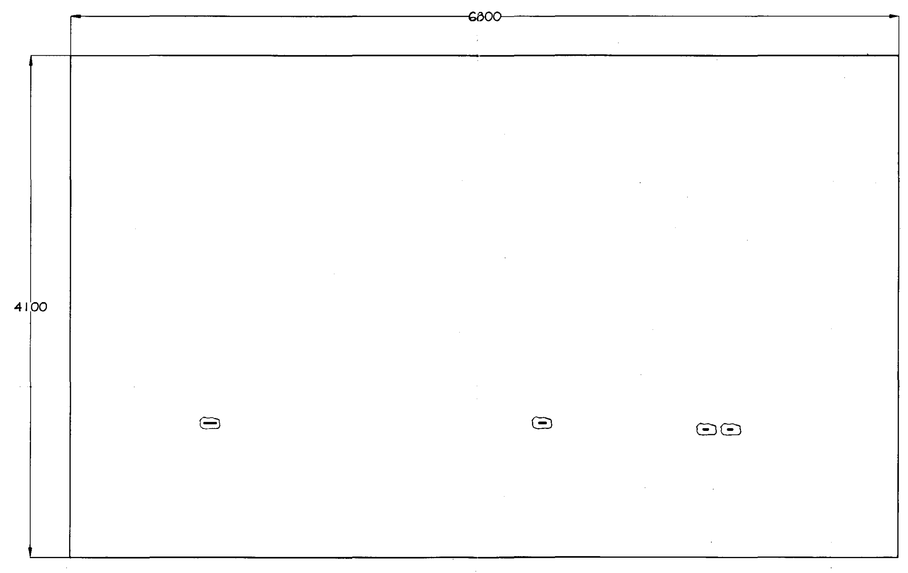
Drawn: G.Roy Draughted: K.Rand Approved: G.Roy

LINCOLNSHIRE COUNTY COUNCIL
County Offices Lincoln
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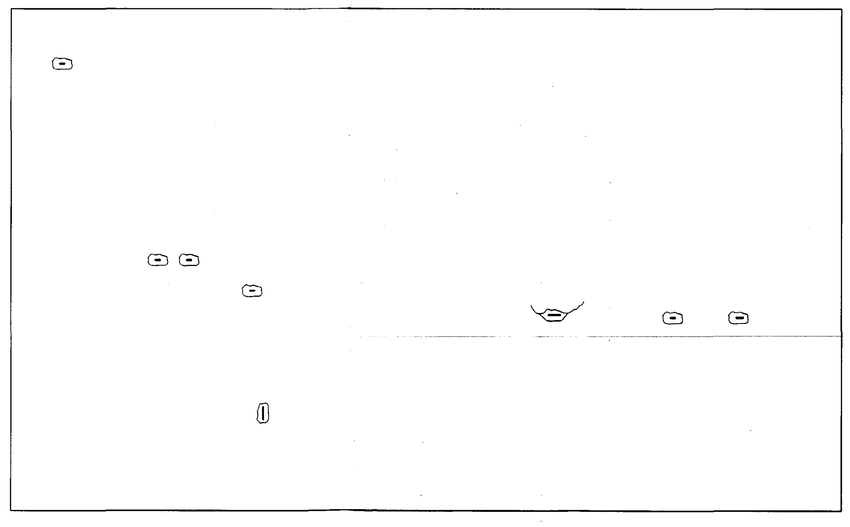
SOUTH HOLLAND DC
PLANNING
RECEIVED
08 OCT 2001



EXPANDED VIEW OF SOFFIT IN PLAN
Scale 1:25



WEST ABUTMENT
Scale 1:25



EAST ABUTMENT
Scale 1:25

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DETERMINED PLAN

Highways & Planning Directorate
- 5 JAN 2001
Planning & Conservation

Amendment details

LINCOLNSHIRE - Part of the East Midlands Region

LINCOLNSHIRE COUNTY COUNCIL
HIGHWAYS & PLANNING DIRECTORATE
P.D. JAMESON, B.Sc.,C.Eng.,F.I.C.E., Head of Technical Services
Witham Park House, Witham Park, Waterside South, Lincoln LN5 7JN

DRG.No. A/C01902/007
Archive No. 22/11/81

HORSESHOE BRIDGE, SPALDING
CONCRETE REPAIRS

SOFFIT AND ABUTMENTS

SCALE: 1:25 DATE: October 1999
Drawn: G.Roy Draughted K.Rand Approved: G.Roy

SOUTH HOLLAND DC
PLANNING
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- 8 JAN 2001
00821