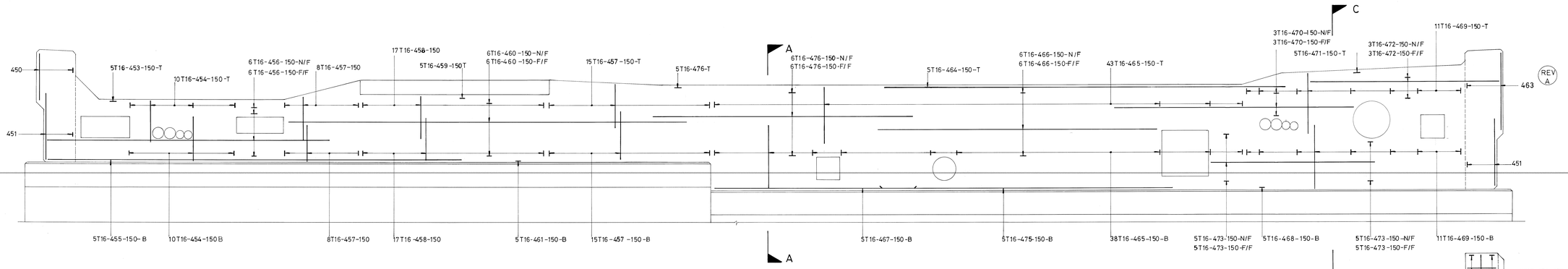
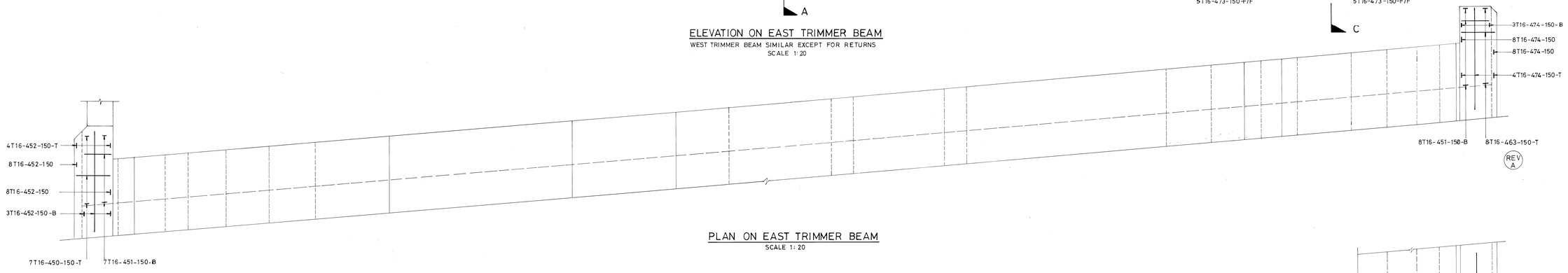
A61 OLD MILL LANE, BRIDGE
TRIMMER BEAM REINFORCEMENT (2 N° OFF)
BR/B3.088/6



ELEVATION ON EAST TRIMMER BEAM

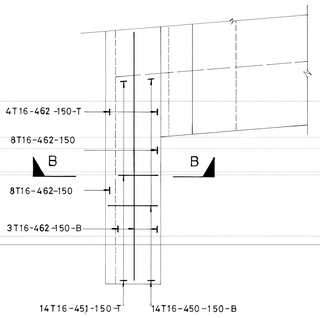
WEST TRIMMER BEAM SIMILAR EXCEPT FOR RETURNS

SCALE 1:20



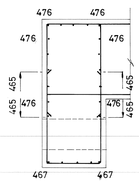
PLAN ON EAST TRIMMER BEAM

SCALE 1:20

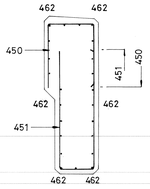


PLAN ON WEST TRIMMER BEAM RETURN (NORTH)

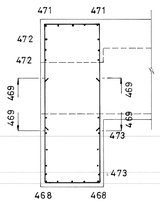
SCALE 1:20



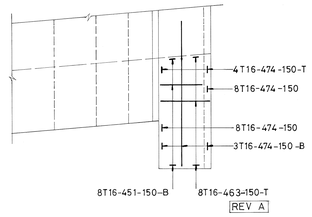
SECTION A-A



SECTION B-B



SECTION C-C

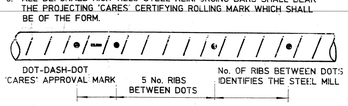


PLAN ON WEST TRIMMER BEAM RETURN (SOUTH)

SCALE 1:20

NOTES

1. ALL REINFORCEMENT TO BE TYPE 2 DEFORMED BARS OF GRADE 460 COMPLYING WITH THE REQUIREMENTS OF BS.4449.
2. ALL REINFORCEMENT HAS BEEN DETAILED IN ACCORDANCE WITH BS.4466:1989 AS AMENDED BY CLAUSE 1712 OF THE SPECIFICATION.
3. NOMINAL COVER TO REINFORCEMENT TO BE 30mm UNLESS OTHERWISE STATED.
4. FOR DETAILS OF TYING WIRE AND COVER BLOCKS SEE CLAUSE 1713 OF THE SPECIFICATION.
5. ALL STANDARD REINFORCEMENT SHALL CONFORM TO THE RELEVANT BRITISH STANDARD SPECIFICATION. THE QUALITY SHALL BE ASSURED BY THE 'CARES' QUALITY ASSURANCE CERTIFICATION SCHEME AS COMING FROM A 'CARES' APPROVED STEEL MILL DELIVERING DIRECT TO A 'CARES' APPROVED FABRICATOR/STOCKHOLDER AND HENCE DIRECTLY INTO THE WORKS. IT SHALL HAVE AFFIXED TO IT A 'CARES' LABEL AND BE ACCOMPANIED BY THE 'CARES' DOCUMENTATION.
6. ALL DEFORMED HIGH YIELD STEEL REINFORCING BARS SHALL BEAR THE PROJECTING 'CARES' CERTIFYING ROLLING MARK WHICH SHALL BE OF THE FORM.



7. SPACING OF REINFORCING BARS SHALL BE ADJUSTED LOCALLY AS REQUIRED AND IN PARTICULAR TO AVOID HOLES, PIPES, POCKETS, RECESSES, HOLDING DOWN BOLTS AND ANCHORAGE INSERTS.
8. STEEL BAR SUPPORTS ARE NOT SHOWN ON THE DRAWINGS, NOR INCLUDED IN THE BILL OF QUANTITIES. THE CONTRACTOR SHALL MAKE HIS OWN ALLOWANCE FOR SUPPORTS AND SHALL INCLUDE FOR THEM IN RATES FOR REINFORCEMENT.
9. THE MINIMUM LAP LENGTH FOR REINFORCEMENT SHALL BE 25x DIAMETER OF SMALLER BAR PLUS 150mm EXCEPT FOR THE FOLLOWING BAR MARKS WHICH SHALL HAVE A MINIMUM LAP LENGTH OF 35 x DIAMETER OF SMALLER BAR PLUS 210mm :- BAR MARKS

BARNSLEY Metropolitan Borough Council

A61 OLD MILL LANE BRIDGE

DECK RECONSTRUCTION AND STRENGTHENING

TRIMMER BEAM REINFORCEMENT (2 N° OFF)

By	No.	Date	Amendments
HA	A	7/6	BAR MARK 450 CHANGED TO MK 463. (NOT ALL)

Scale 1:20

Drawn RJS | Date 25-2-1994

Traced | File

Checked

T.J.BOON B.ENG.,C.ENG,M.I.C.E.,M.I.H.T.
HEAD OF HIGHWAYS AND ENGINEERING
CENTRAL OFFICES,
KENDRAY STREET,
BARNSLEY S70 2TN.
TEL.(0226)770770 FAX. (0226)772099

Drawing No. BR/B3.088/6.

Appendix G

Site photographs



Photo 1 – Northern river wall and northern abutment. Discharge pipe shown in wall.



Photo 2 - Southern retaining wall towards weir



Photo 3 - Southern retaining wall. Discharge pipe shown.



Photo 4 – Woodland area adjacent to western side of A61 bridge



Photo 5 - Culvert on eastern side of the bridge



Photo 6 – Access gate towards weir and river wall on southern bank

Appendix H

BGS borehole logs

British Geological Survey

BRITISH MADE
R.C.A.M. EDITION

SE 30 NW/21

Yorkshire Paper Mills
Barnsley. 1925. 1:500

c 150/- O.D. ft [3495 0710] ap



87/182

SE30NW6

2

10ft Sandy Clay.

20 Soft Sandstone

26 Soft Shale.

36 Grey Shale.

56 Coal.

58 Dark Grey Shale
Grey Shale.

85 Coal
87
90 Water.
Grey Sandstone.

100 Water.

Grey Sandstone.

110 Iron Stone.

150 Water.
Grey Shale
156 Water.
Sandstone.

165 Water.

150 Sandstone.

160 Fireclay.

CLIENT	JOB NO	LOCATION	BOREHOLE NO
CAMERON TAYLOR BEDFORD	C8424	58 OLD MILL LANE BARNSLEY	BH1
DATE: APRIL 1996	SCALE: 1 to 50	BORING METHOD: DYNAMIC SAMPLING	Sheet: 1

Drilling & Casing Progress	SAMPLE/TEST Type & No.	SAMPLE/TEST Depth(M)	SPT N – value or COHESION	DESCRIPTION	O D LEVEL	LEGEND	DEPTH
30TH				CONCRETE.			0.0
				MADE GROUND – black ash and sandstone.			0.1
				Loose brown/orange claybound completley weathered fragmented SANDSTONE/SAND and GRAVEL with some traces of coal. (possibly disturbed material)			0.5
	U	2.50	222.00	Very stiff grey/brown very friable slightly sandy shaly CLAY with some fine gravel, fragmented sandstone and traces of coal.			2.2
	U	3.00	>240.00				
	U	3.50	>240.00				
30TH	U	4.50	>240.00				4.5

DUNELM DRILLING COMPANY
TEL 091-526-2534 FAX 091-517-0085

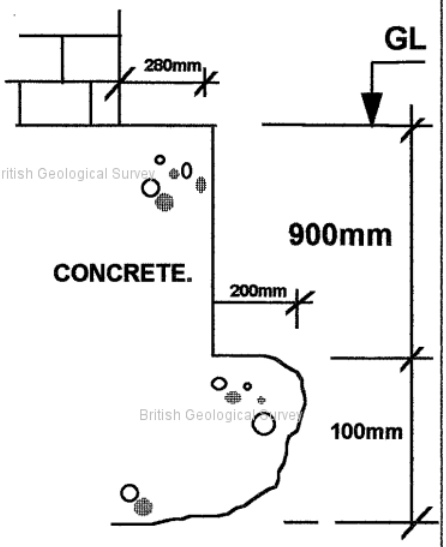
BOREHOLE LOGSHEET

Water Observations, Remarks, Etc
Borehole dry.

Collapse of borehole below 2.50m.

CLIENT	JOB NO	LOCATION	BOREHOLE NO
CAMERON TAYLOR BEDFORD	C8424	68 OLD MILL LANE BARNSLEY	TP2
DATE: APRIL 1996 — SCALE: 1 to 50	BORING METHOD: HAND EXCAVATED		Sheet: 1

Drilling & Casing Progress	SAMPLE/TEST Type & No.	SAMPLE/TEST Depth(M)	SPT N – value or COHESION	DESCRIPTION	O D LEVEL	LEGEND	DEPTH
30TH				MADE GROUND – paviers and sand bedding.			0.0
				MADE GROUND – loose brick, ash and sandstone fill.			0.1
				Fine grained orange SAND.			0.7
				Stiff grey very shaly sandy CLAY with some sandstone fragments and traces of coal.			0.8
30TH				(possibly disturbed material)			1.3
				Completley weathered clayey SANDSTONE.			1.7



TRIAL PIT DETAILS - NOT TO SCALE

DUNELM DRILLING COMPANY
TEL 091-526-2534 FAX 091-517-0085

BOREHOLE LOGSHEET

Water Observations, Remarks, Etc
Trial pit dry.