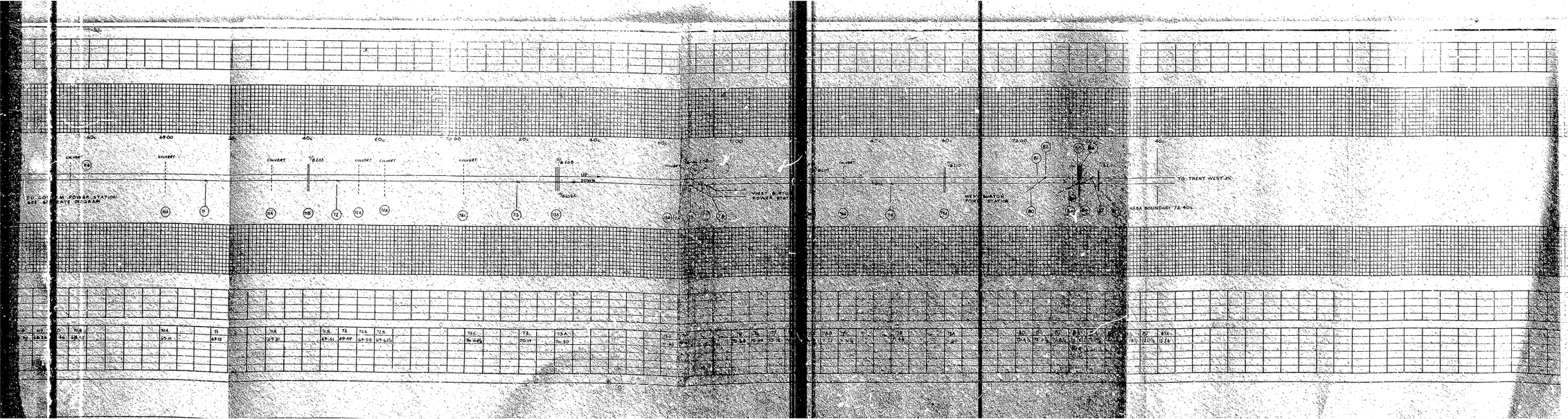
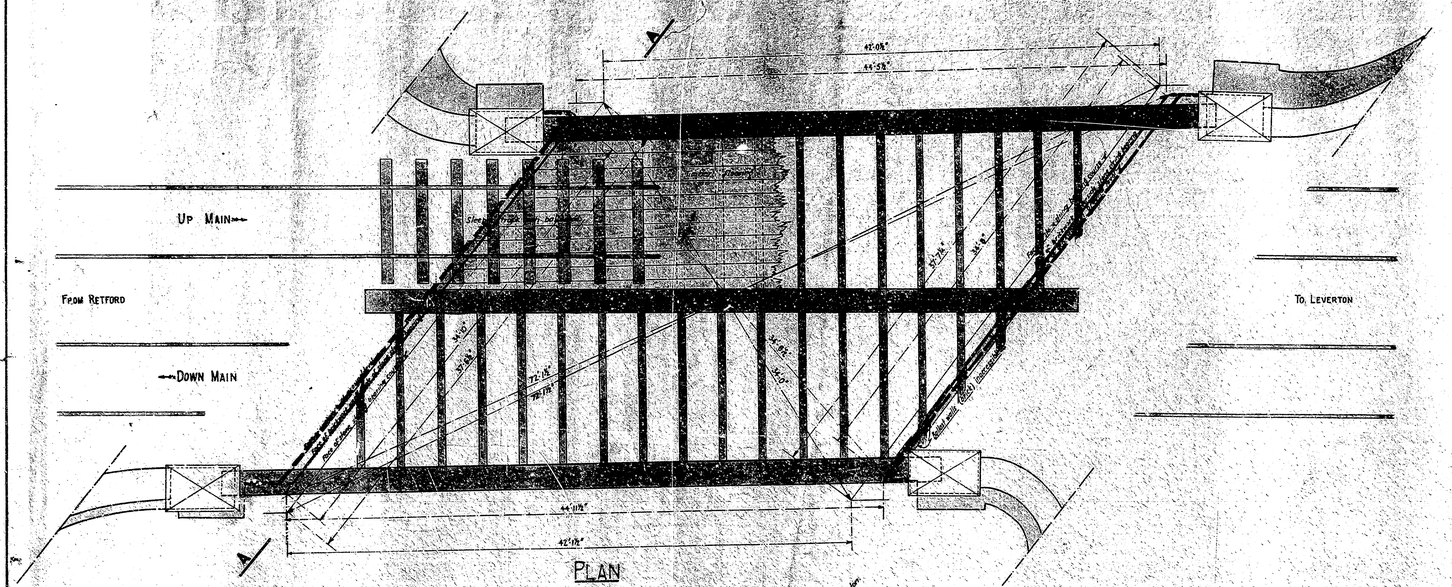
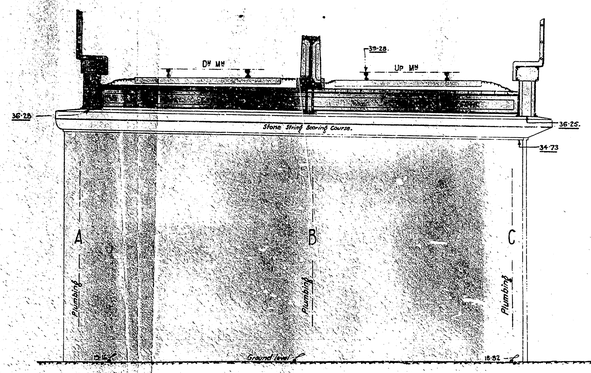
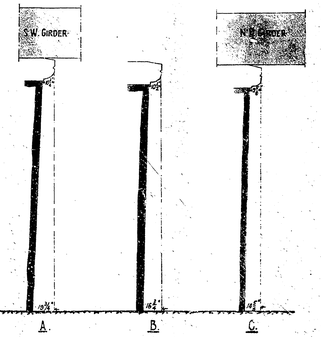


RAILTRACK
105603LNE

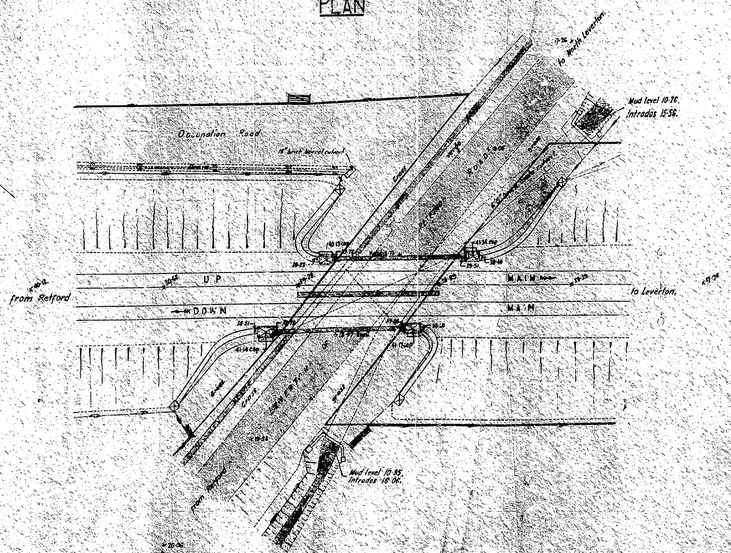




SECTION A-A.



PLUMBINGS OF N.W. ABUTMENT.



L.N.E.R. SOUTHERN AREA. LEVERTON.

PROPOSED RENEWAL OF SUPERSTRUCTURE OF UNDERBRIDGE No. 3 CARRYING RETFORD-LINCOLN MAIN LINES OVER RETFORD ROAD AT 69M 66CH.

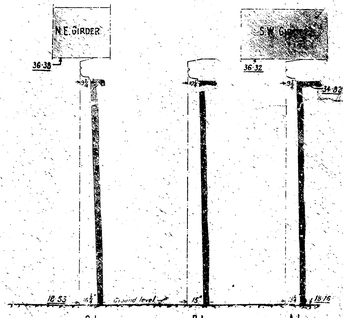
SCALES.

For Plan and Sections. 4 Feet to the Inch.

For Site Survey. 20 Feet to the Inch.

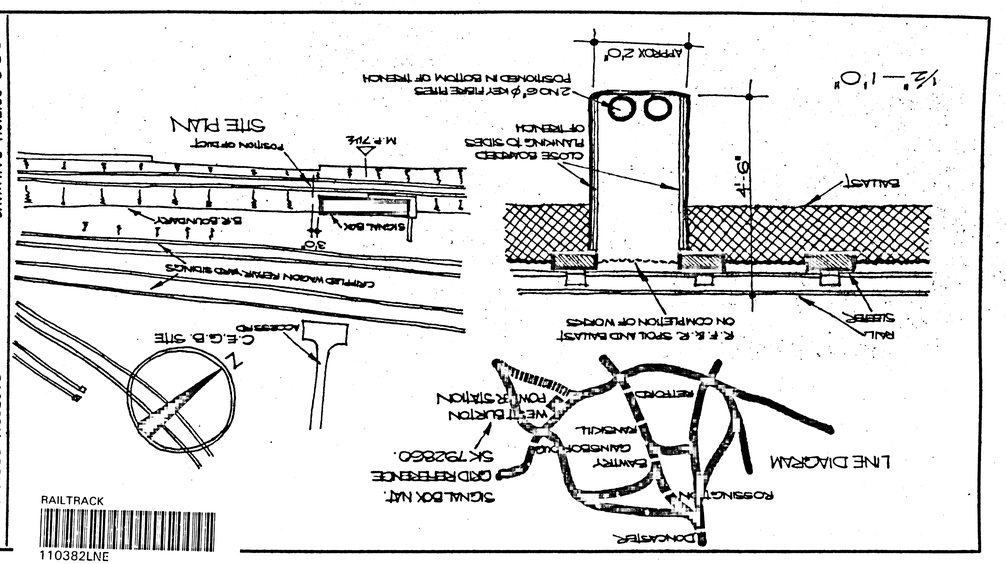
L.N.E.R. Boundary edged Green.

FOR STEELWORK DETAILS SEE OLD DRAWING No. 406.



PLUMBINGS OF S.E. ABUTMENT.

LONDON & NORTH EASTERN RAILWAY
DRAWING OFFICE
8.7865
15.12.33
RAILTRACK
105827/LNE
OFFICE COPY.

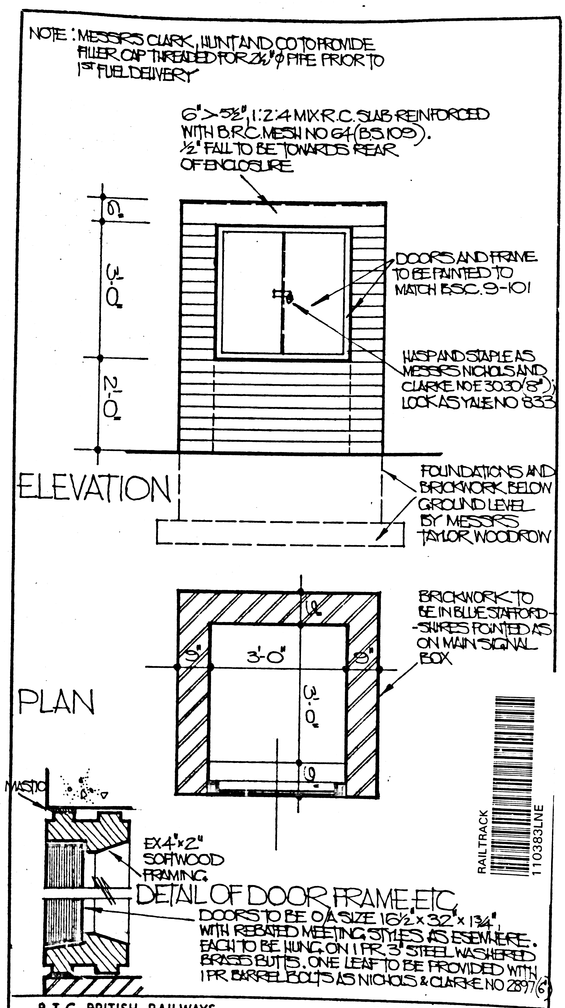


BR 8671.

Des. No. 9 24. 12. 62

6/9

NOTE: MESSRS CLARK, HUNT AND CO TO PROVIDE FILLER CAP THREADED FOR 2½" ϕ PIPE PRIOR TO 1ST FUEL DELIVERY



B.T.C. BRITISH RAILWAYS		EASTERN REGION	
WEST BURTON SIGNAL BOX, DETAILS OF OIL DELIVERY POINT			
APPROVED H.H. ARCHITECT	DATE 29-6-64	CORRES. REF. AR 31857	PLAN NO. 64-AR-1566-25

BR 88711

DE'S No. 64-DR-162/10

BRITISH RAILWAYS
CHIEF CIVIL ENGINEER'S DEPT.

EASTERN REGION
NEW WORKS SECTION

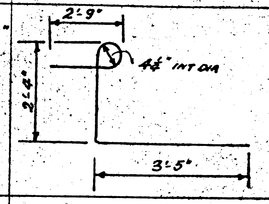
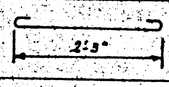
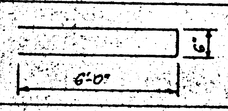
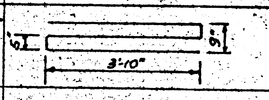
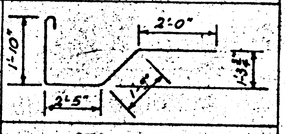
DATE

WEST BURTON SIGNAL BOX

C3·LC1·333

SHEET No 2

BENDING SCHEDULE

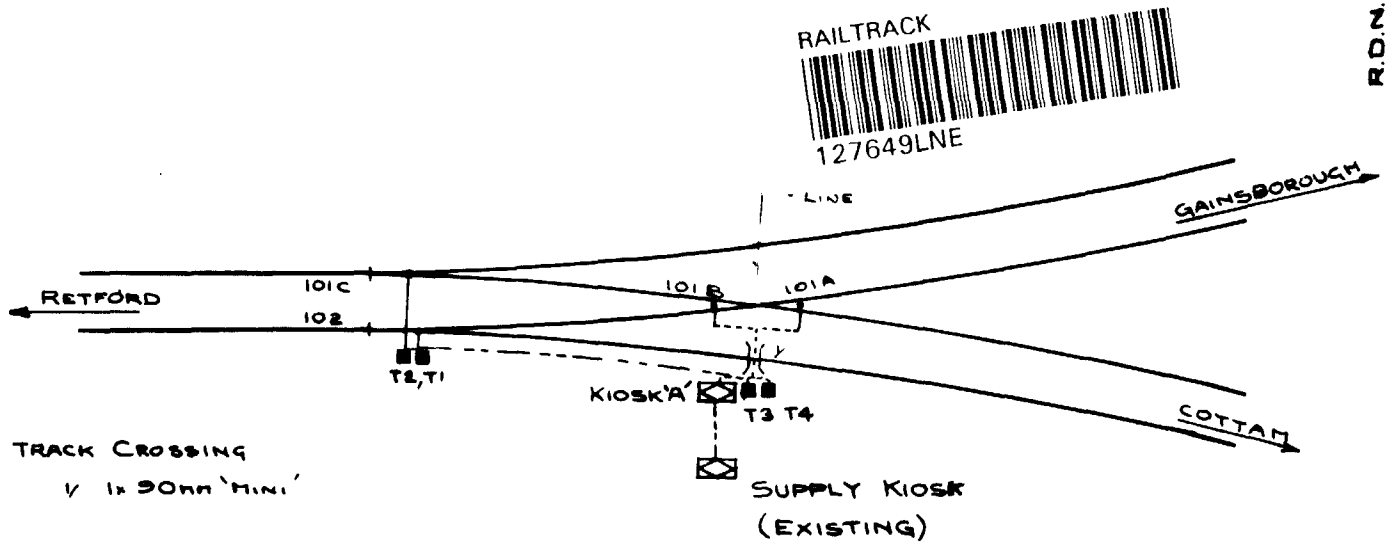
LOCATION	MK	DIA	No.	TOTAL No.	LENGTH	BENDING	REMARKS
GROUND FLOOR RELAY ROOM (CONT.)	k	1/4"	3	3	9'-3"		
	l	3/8"	30	30	11'-3"	STRAIGHT	
	m	3/8"	2	2	8'-0"	STRAIGHT	
	c	3/8"	29	29	2'-9"		
LANDING	p	1/2"	5	5	12'-6"		
	q	1/2"	8	8	5'-2"	STRAIGHT	
P.C. STAIR TREADS 8 No.	r	1/2"	1	8	12'-3"		
	s	1/4"	8	64	10"	STRAIGHT	
MANHOLE IN BOILER ROOM	t	1/2"	4	4	8'-6"		
	u	3/8"	11	11	2'-9"	STRAIGHT	

B.R.F.

CHECKED BY

64 DR. 162/13

RAILTRACK
110385LNE



SITE PLAN

REFERENCE:-

Supply/Control Kiosks:-

Outdoor Transformers:-

Cable Routes: Underground:-

In Existing Troughing:-

In New Troughing:-

On Surface (Flexibles Only):-

Track Crossings Existing S & T:-

New-Type & Size Indicated:-

NOTES:-

Flexible Cables Between Transformers & Track To Be Laid On The Surface Unless Otherwise Indicated

This Drawing To Be Read In Conjunction With Drawings Nos MX/E/98/13B, MX/E/98/14A, MX/E/98/15A, CLB/E/1/2

British Rail C.M. & E.E Dept. Eastern Region York

Electric Switch Heating - 1984 Gas/Electric Conversion Programme

CLARBOROUGH JUNCTION

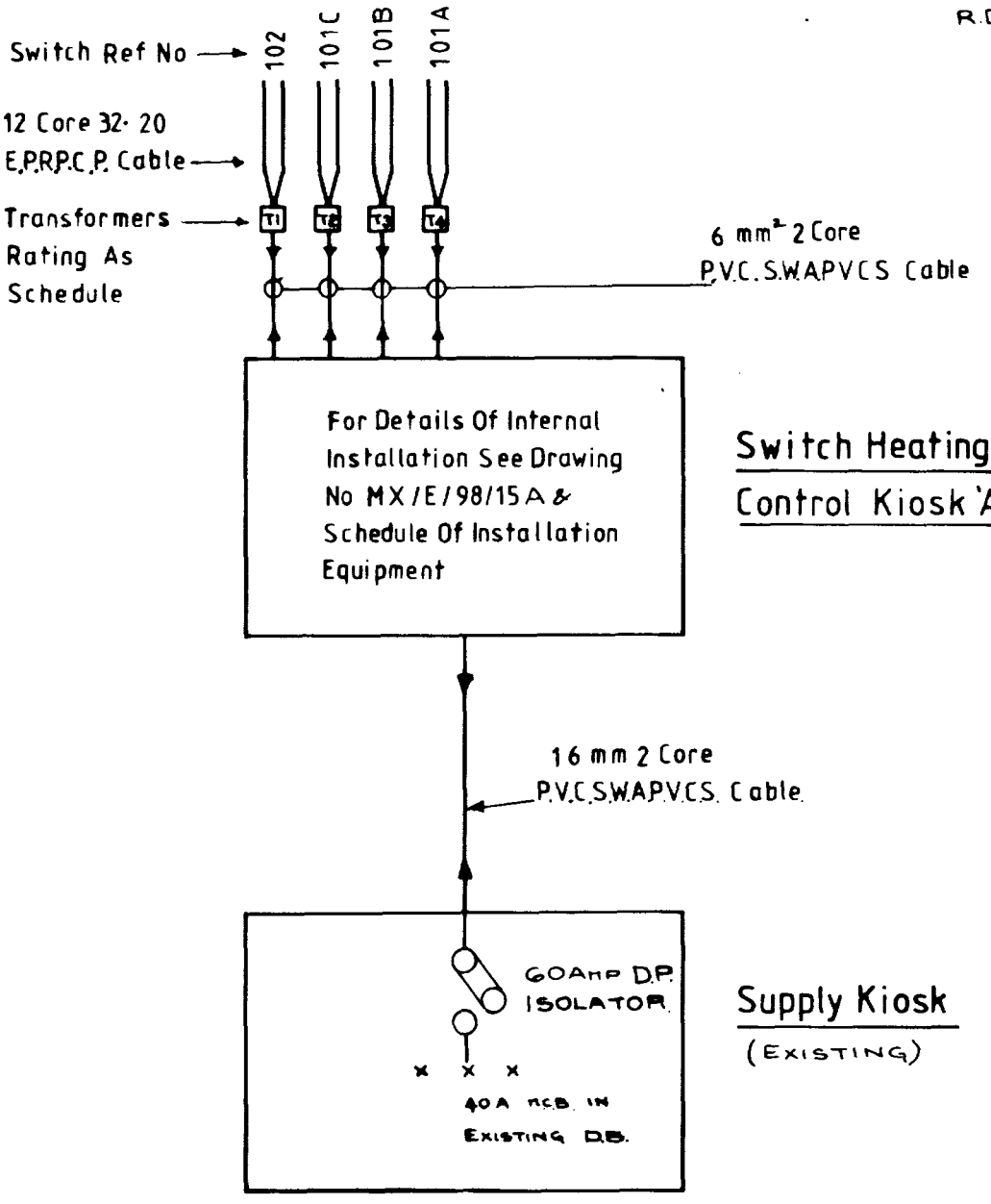
Site Layout

Drawing No.	CLB/E/1/1
Corres Ref	ME-E10/835/12-F(SH)
Date	Jan 1984
Scale	Not To Scale
Approved	for C.M. & E.E

BR 908/2(1)

MY 27544 P

R.D.N.



RAILTRACK
127650LNE

This Drawing To Be Read In Conjunction With Drawings Nos MX/E/98/13B, 14A, 15A, CLB/E/1/1

British Rail C M & E E Dept Eastern Region York

Electric Switch Heating-1984 Gas/Electric Conversion Programme

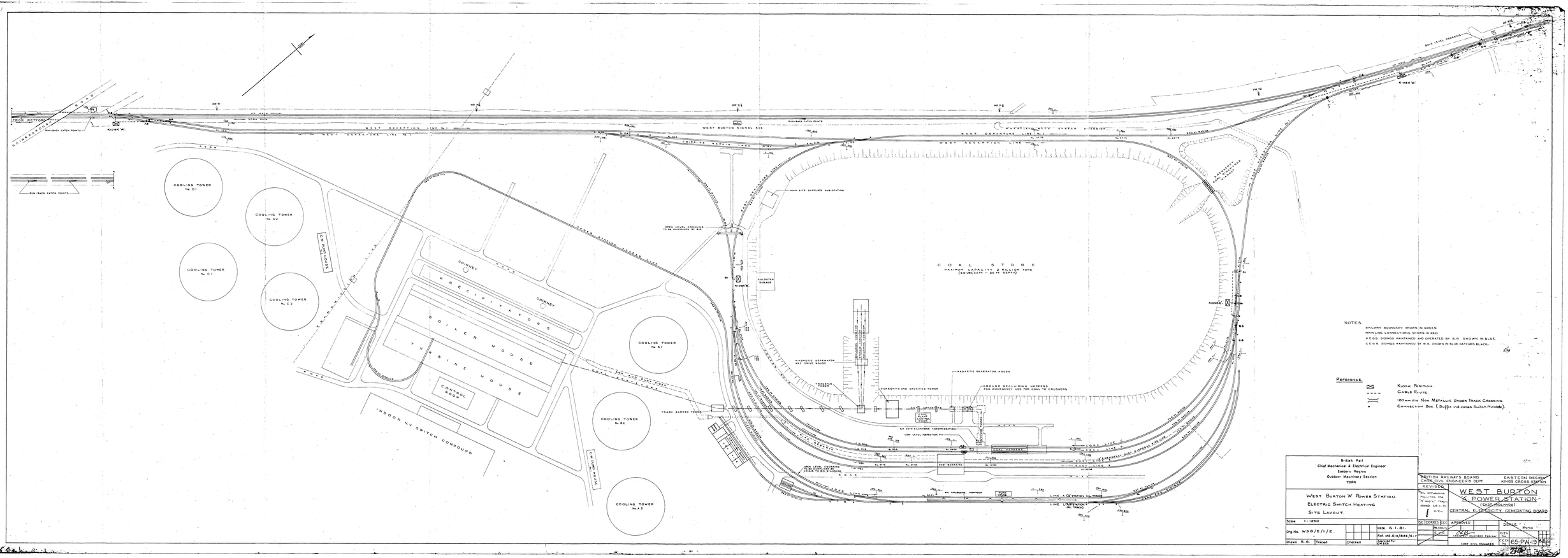
CLARBOROUGH JUNCTION

Schematic Diagram

Approved	Scale	Date	Drawing No	Drawing No
for. C.M.&E.E.	Not To Scale	Jan 1984	ME-E10/835/12-F(SH)	CLB/E/1/2

BR 4 1 4

MY 27544 P



NOTES.

RAILWAY BOUNDARY SHOWN IN GREEN.
MAIN LINE CONNECTIONS SHOWN IN RED.
C.E.S.B. SIGNALS MAINTAINED AND OPERATED BY B.R. SHOWN IN BLUE.
C.E.S.B. SIGNALS MAINTAINED BY B.R. SHOWN IN BLUE HATCHED BLACK.

REFERENCE.

- KIOSK POSITION.
- CABLE ROUTE.
- 100mm dia. NON METALLIC UNDER TRACK CROSSING.
- CONNECTION BOX. (Suffix indicates Switch Number).

British Rail
Chief Mechanical & Electrical Engineer
Eastern Region
Outdoor Machinery Section
YORK

WEST BURTON 'A' POWER STATION.
ELECTRIC SWITCH HEATING
SITE LAYOUT.

Scale 1:1250
Drg. No. WSB/E/1/2.
Drawn R.G. Traced Checked
Date 6.1.81.
Ref. ME.510/836/A-1

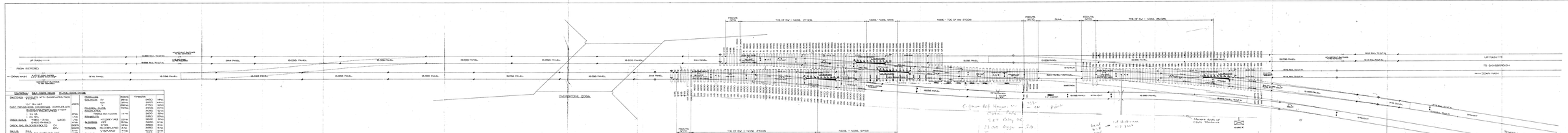
BRITISH RAILWAYS BOARD
CHIEF CIVIL ENGINEER'S DEPT.
EASTERN REGION
KINGS CROSS STATION

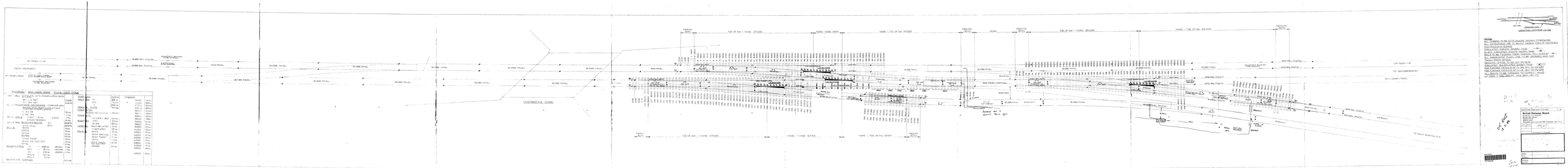
REVISED
No. DEPENDING ON LOCATION FOR 'K' AND 'L' TRACK ADDED 20.11.72
H.P.H.

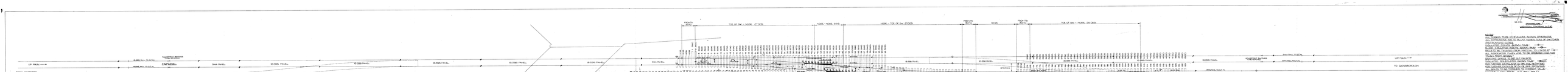
G.E. CORRECT. CCI. APPROVED
PK 20013
CHIEF CIVIL ENGINEER, PADDINGTON
Approved for CE/EER

WEST BURTON
'A' POWER STATION
(EAST MIDLANDS)
CENTRAL ELECTRICITY GENERATING BOARD

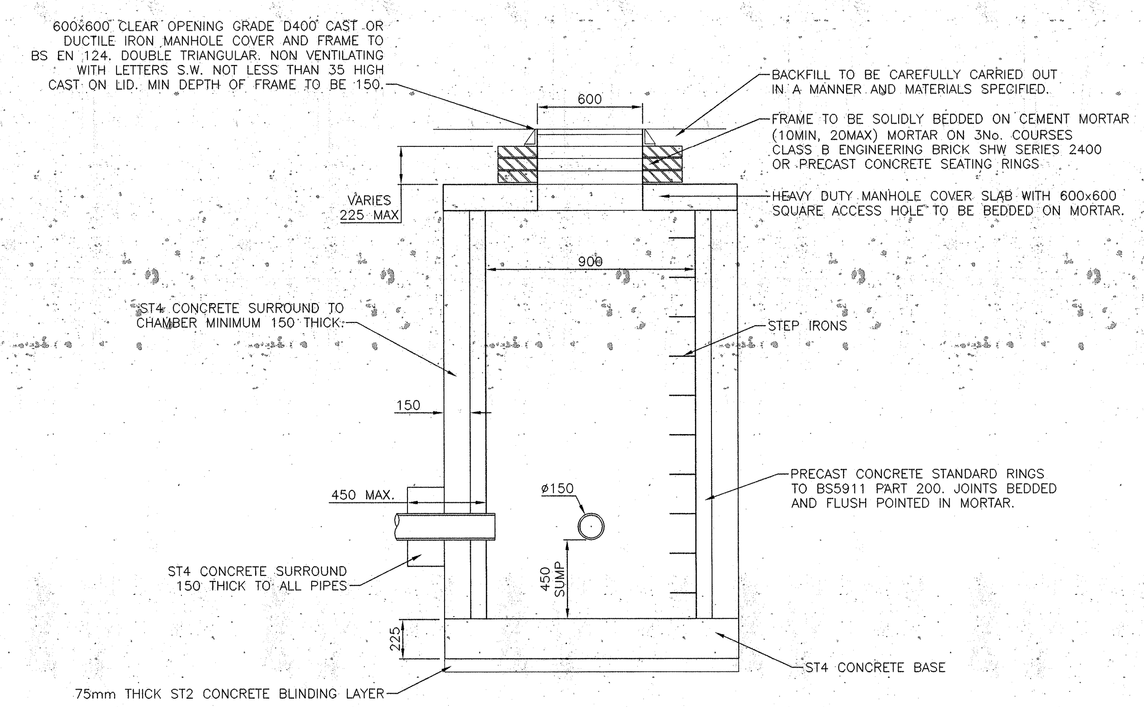
SCALE 1:250
DEV. No.
CCI. No. 65-PW-19
CHIEF CIVIL ENGINEER


UP MAIN
DOWN MAIN
FROM GATESHEAD
TO SANDBOROUGH
TO WEST BRIDGE
OVERBRIDGE 2094
TOE OF RAIL – NOSE 27000
NOSE – NOSE 6995
NOSE – TOE OF RAIL 27000
TOE OF RAIL – NOSE 27000
NOSE – NOSE 5995
TOE OF RAIL – NOSE 25000
SWITCH REF No. CROSSING LENGTHED (METRES)
A1 1/8
A2 1/9
A3 1/10
A4 1/12
SEE DRAWING No. 2094/SK/01
SEE DRAWING No. 2094/SK/02
SEE DRAWING No. 2094/SK/03
SEE DRAWING No. 2094/SK/04
SEE DRAWING No. 2094/SK/05
SEE DRAWING No. 2094/SK/06
SEE DRAWING No. 2094/SK/07
SEE DRAWING No. 2094/SK/08
SEE DRAWING No. 2094/SK/09
SEE DRAWING No. 2094/SK/10
SEE DRAWING No.

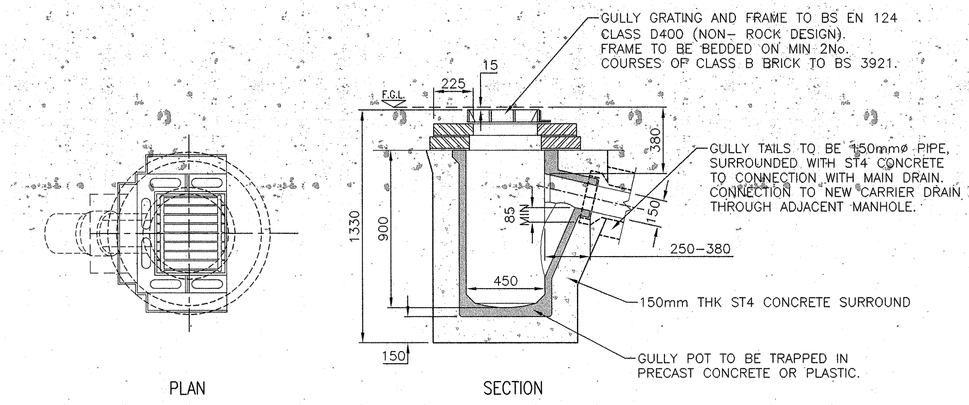

UP MAIN
FROM WEYBURN
DOWN MAIN
TO GRANDBOROUGH
TO WEST BURTON (P.S.)
OVERHEAD SIGNAL
TOP OF RAIL = NOSE ATTACH
NOSE = NOSE ABUT
NOSE = TOP OF RAIL ATTACH
TOP OF RAIL = NOSE ZR-DOWN
NOSE = TOP OF RAIL ZR-NOR
NOSE = NOSE SWITCH
NOSE = TOP OF RAIL ATTACH
FROM WEYBURN
TO GRANDBOROUGH
TO WEST BURTON (P.S.)
DIAGRAM - RAILROAD TRACK PLAN-NOR
TRACK CIRCUITS WITH RADIO-NOR
BY BY
BY BY
CI - CROSSOVER CROSSING COMPLIES WITH
RAILROAD TRACK CIRCUITS
CI CI
CI CI
CI - SIGNAL
CI - SIGNAL
CI - SIGNAL BLOCK LIMITS
BLOCK
SIGNALS
SIGNALS
SIGNALS


UP MAIN
DOWN MAIN
FROM REPORED
TO SANDBOROUGH
TO WEST BURTON P.R.
OVERSTROKE ZONA
TOE OF SW - NOSE 27.0QTS
NOSE - NOSE 5.9MS
NOSE - TOE OF SW 27.0QTS
TOE OF SW - NOSE 25.0QTS
NOSE - NOSE 5.9MS
FROM PN 30/70
TO PN 30/70
SW-4.4
SW-4.4
SW-4.4

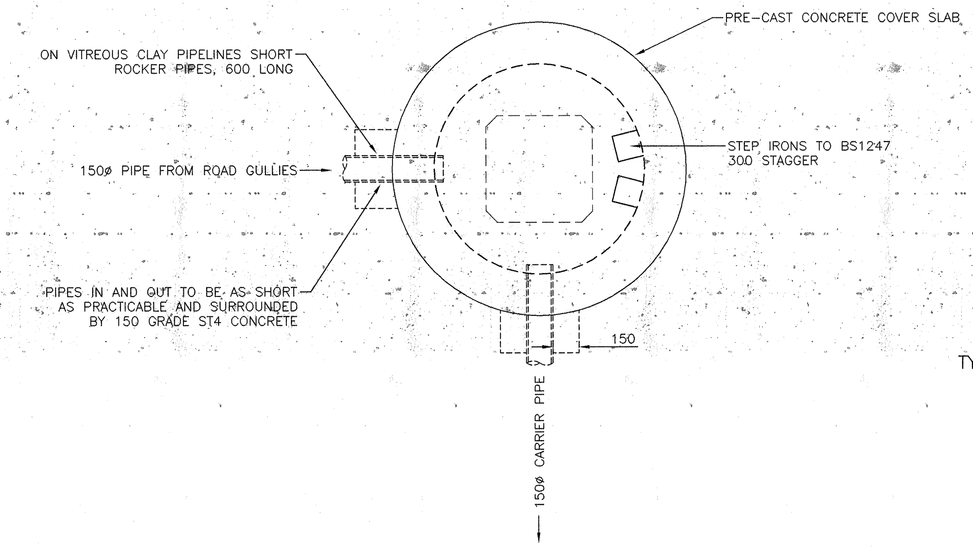
RL4366_10



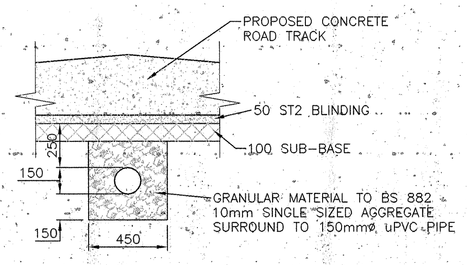
TYPICAL SECTION THROUGH CATCHPIT / SILT TRAP
SCALE 1:20



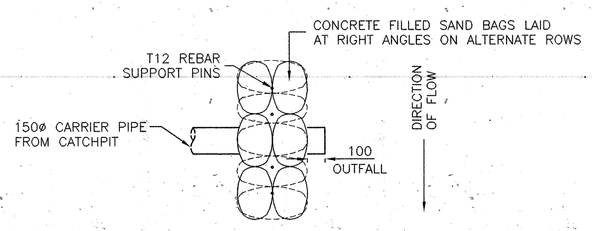
ROAD GULLY DETAILS
SCALE 1:20



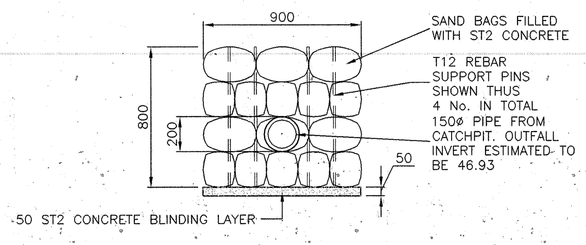
PLAN ON STANDARD CATCHPIT / SILT TRAP
SCALE 1:20



TYPICAL SECTION THROUGH PIPE BEDDING
SCALE 1:20



PLAN ON PROPOSED HEADWALL DETAIL
(REFER TO DRAWING RL4366_11 FOR PROPOSED LOCATION)
SCALE 1:20



ELEVATION ON PROPOSED HEADWALL DETAIL
(REFER TO DRAWING RL4366_11 FOR PROPOSED LOCATION)
SCALE 1:20

DO NOT SCALE

NOTES

1) This drawing and design is the copyright of MAY-GURNEY RAIL and must not be reissued, loaned or copied without their consent.

2) Unless shown otherwise, or indicated in the Specification dimensional tolerance is to be in accordance with Tables 1 and 2 of BS5606.

3) All dimensions are in millimetres (mm) unless noted otherwise.

4) This drawing should be read in conjunction with the following:

May Gurney Rail Drawings
Drawing RL4366_01, Drawing RL4366_02
Drawing RL4366_03, Drawing RL4366_04
Drawing RL4366_05, Drawing RL4366_06
Drawing RL4366_07, Drawing RL4366_08
Drawing RL4366_09, Drawing RL4366_11
Drawing RL4366_12

May Gurney Rail Documents
Form A
Form B
Design Risk Log
Project Risk Log
Environmental Checklist
IDC Certificate
Fabric Schedule RL4366_005_01
Bar Schedule RL4366_005_02
Bar Schedule RL4366_007_01
Bar Schedules RL4366_008_01+02

DMFP00108914

Network Rail Standard Drawings:
RT/CED/436/004

5) Refer to Statutory Undertakers returns / plans for details of apparatus within the vicinity of the bridge.

6) All works to comply with the Network Rail Model Clauses for Specifying Civil Engineering Works.

7) Structural concrete requirements are as follows:

Mix Reference RC40
Strength Grade C40
Maximum Aggregate Size 20mm
Minimum Cement Content 330kg/m³
Maximum Free Water Cement Ratio 0.5

8) All external arrisses to have a 25x25mm chamfer unless noted otherwise.

9) All levels to be confirmed on site.

Amdt	Date	Description of revision	Drawn	Chkd.	Appr.
B	25 04 05	AS BUILT ISSUE	DCS		
A	08 10 04	FORM B ISSUE	C.P	S.W	T.C

Client
Network Rail May Gurney
Structures Partnership

May Gurney Rail
Structures Partnership
Alliance House
156 Holgate Road
York. YO24 4DN
Tel.01904 526300 Fax 01904 526333
www.maygurney.co.uk
May Gurney Rail is a business name of May Gurney Limited

Status: AS BUILT

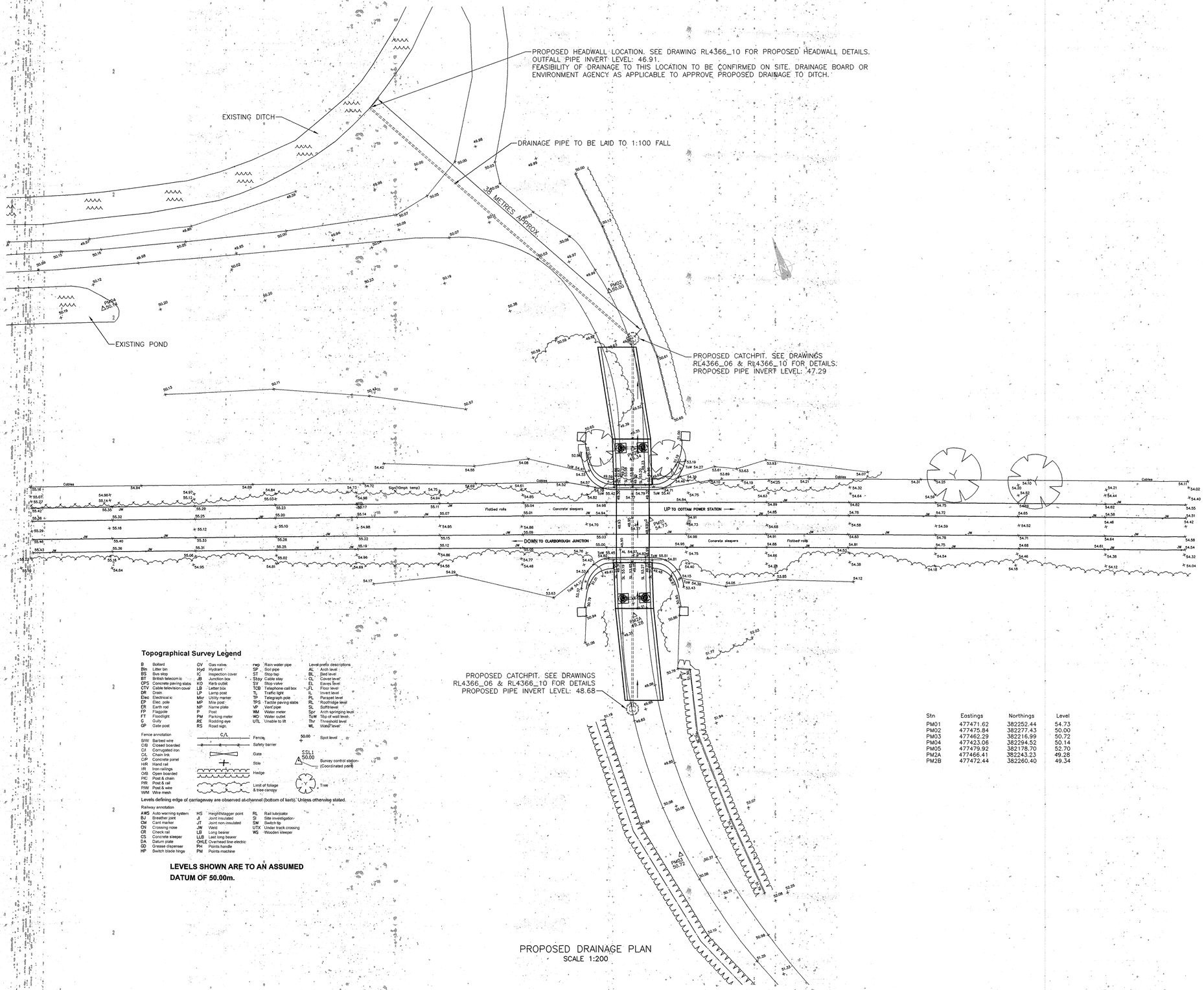
Designed	D. Strachan	Checked	S. Walker
Approved	T. Chater	Date	23/08/2004

UNDERBRIDGE TYB1/2
FARM ROAD, NORTH LEVERTON
69 MILES, 770 YARDS - SK 7740 8230
DETAILS SHEET
DRAINAGE DETAILS

Scales 1:50 & 1:20 | CAD C.R.P
CAD Ref. N\DRAWINGS\TYB1_2\RL4366_10
Drawing Number RL4366_10 | Revision B

A1

RL4366_11



PROPOSED DRAINAGE PLAN
SCALE 1:200

Topographical Survey Legend

B	Bollard	GV	Gas valve	rwp	Rain water pipe	Level prefix descriptions	
Bin	Litter bin	Hyd	Hydrant	SP	Soil pipe	AL	Arch level
BS	Bus stop	IC	Inspection cover	ST	Stop tap	BL	Bed level
BT	British telecom ic	JB	Junction box	Stay	Cable stay	CL	Cover level
CPS	Concrete paving slabs	KO	Kerb outlet	SV	Stop valve	EL	Eaves level
CTV	Cable television cover	LB	Letter box	TCB	Telephone call box	FL	Floor level
DR	Drain	LP	Lamp post	TL	Traffic light	IL	Invert level
Elec	Electrical ic	Mkr	Utility marker	TP	Telegraph pole	PL	Parapet level
EP	Elec. pole	MP	Mile post	TPS	Tactile paving slabs	RL	Roofridge level
ER	Earth rod	NP	Name plate	VP	Vent pipe	SL	Soffit level
FP	Flagpole	P	Post	WM	Water meter	Spr	Arch springing level
FT	Floodlight	PM	Parking meter	WO	Water outlet	ToW	Top of wall level
G	Gully	RE	Rodding eye	UTL	Unable to lift	Thr	Threshold level
GP	Gate post	RS	Road sign			WL	Water level

Fence annotation

B/W	Barbed wire	C/L	Fence
C/B	Closed boarded		Safety barrier
C/I	Corrugated iron		Gate
C/L	Chain link		Stile
C/P	Concrete panel		Hedge
H/R	Hand rail		Limit of foliage & tree canopy
I/R	Iron railings		
O/B	Open boarded		
P/C	Post & chain		
P/R	Post & rail		
P/W	Post & wire		
W/M	Wire mesh		

50.00 Spot level

SSL1 50.00 Survey control station (Coordinated point)

Tree

Levels defining edge of carriageway are observed at-channel (bottom of kerb). Unless otherwise stated.

Railway annotation

AWS	Auto warning system	HS	Height/stagger point	RL	Rail lubricator
BJ	Breather joint	JI	Joint insulated	SI	Site investigation
CM	Cant marker	JT	Joint non-insulated	SW	Switch tip
CN	Crossing nose	JW	Weld	UTX	Under track crossing
CR	Check rail	LB	Long bearer	WS	Wooden sleeper
CS	Concrete sleeper	LLB	Last long bearer		
DA	Datum plate	OHLE	Overhead line electric		
GD	Grease dispenser	PH	Points handle		
HP	Switch blade hinge	PM	Points machine		

LEVELS SHOWN ARE TO AN ASSUMED DATUM OF 50.00m.

Stn	Eastings	Northings	Level
PM01	477471.62	382252.44	54.73
PM02	477475.84	382277.43	50.00
PM03	477462.29	382216.99	50.72
PM04	477423.06	382294.52	50.14
PM05	477479.92	382178.70	52.70
PM2A	477466.41	382243.23	49.28
PM2B	477472.44	382260.40	49.34

DO NOT SCALE

NOTES

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May Gurney Rail Drawings
Drawing RL4366_01, Drawing RL4366_02
Drawing RL4366_03, Drawing RL4366_04
Drawing RL4366_05, Drawing RL4366_06
Drawing RL4366_07, Drawing RL4366_08
Drawing RL4366_09, Drawing RL4366_10
Drawing RL4366_12

May Gurney Rail Documents
Form A
Form B
Design Risk Log
Project Risk Log
Environmental Checklist
IDC Certificate
Fabric Schedule RL4366_005_01
Bar Schedule RL4366_005_02
Bar Schedule RL4366_007_01
Bar Schedules RL4366_008_01+02

DMFP00108915

Network Rail Standard Drawings:
RT/CED/436/004

5) All works to comply with the Network Rail Model Clauses for Specifying Civil Engineering Works.

6) This information includes map data licensed from Ordnance Survey with the permission of the Controller of Her Majesty's Stationery Office. Crown copyright 2005. All rights.

7) All levels to be confirmed on site.

8) Drainage to Existing Ditch:

Area between catchpit and existing ditch to be surveyed to ensure that 150mm drainage pipe can be installed at 1:100 fall.

Amdt	Date	Description of revision	Drwn	Chkd.	Appr.
B	25 04 05	AS BUILT ISSUE			
A	08 10 04	FORM B ISSUE	C.P.	S.W	T.C

Client
Network Rail May Gurney
Structures Partnership

May Gurney Rail
Structures Partnership
Alliance House
156 Holgate Road
York. YO24 4DN
Tel 01904 526300 Fax 01904 526333
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May Gurney Rail is a business name of May Gurney Limited

Status: AS BUILT

Designed	D. Strachan	Checked	S. Walker
Approved	T. Chater	Date	26/07/2004

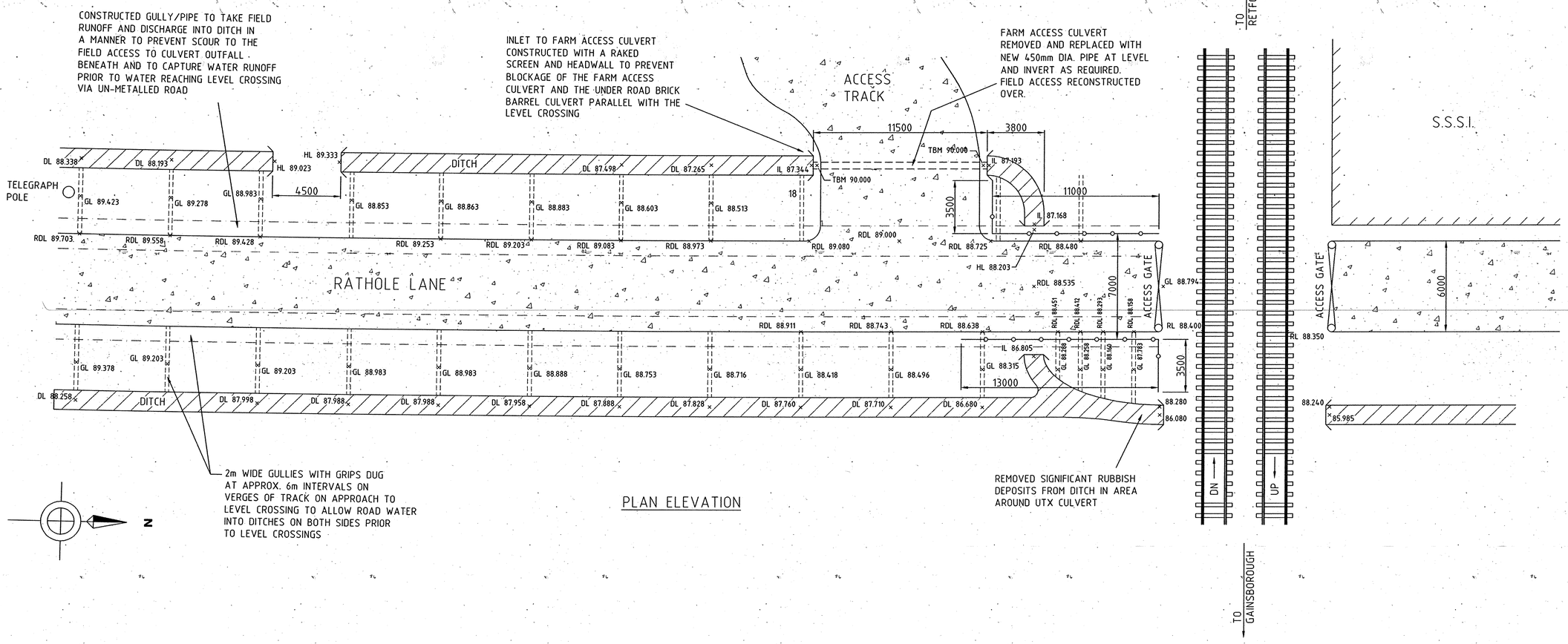
UNDERBRIDGE TYB1/2
FARM ROAD, NORTH LEVERTON
69 MILES, 770 YARDS – SK 7740 8230
DRAINAGE PLAN

Scales 1:200 | CAD C.R.P

CAD Ref. N\DRAWINGS\TYB1_2\RL4366_11

Drawing Number RL4366_11 | Revision B

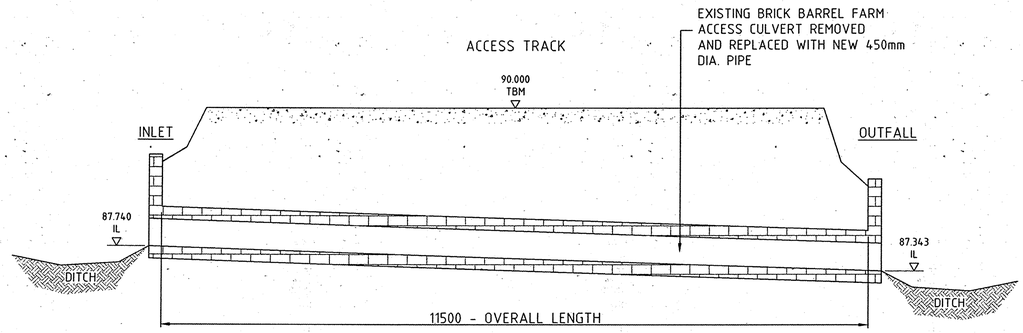
A1



PLAN ELEVATION

LEGEND

MILEAGE IN MILES AND YARDS
DL - DITCH LEVEL
HL - HEADWALL LEVEL
IL - INVERT LEVEL
RL - RAIL LEVEL
RDL - ROAD LEVEL
GL - GRIP LEVEL



SECTION THROUGH FARM ACCESS CULVERT

Letter	Date	Descriptions of Revisions	Drawn	Chkd.	Appr.
A	30.08.05	LEVELS UPDATED & DRAWING STATUS REVISED TO 'AS BUILT'	AJB		

Client:
Network Rail
London North Eastern Territory
Programme Manager - Civils
1st Floor Alliance House
156 Holgate Road
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AMCO rail
Wharley Road, Barnsley, S. Yorks. S75 1HF Telephone 01226 243413

Status: AS BUILT

Designed:	A.J.BEARD	Date:	9/6/05
Checked:	P.QUINN	Date:	9/6/05
Approved:	I.AHMED	Date:	9/6/05

Description: RATHOLE LANE DRAINAGE WORKS

ELR	Structure Type	No.	Mileage
MAC3	DRAINAGE	N/A	68.0418

OS Ref.	Local Name	
N/A	RATHOLE LANE	
Monitor Ref.	PIMMS No.	Contract Ref.
003315	RM50303	LNE0015/A-CIV

Scales: 1:150, 1:50

Drawing Number: Z33150-01 Revision: A