

NATIONAL COAL BOARD

WEST MIDLANDS DIVISION.

NO. 1 (NORTH STAFFS) AREA

CHATTERLEY WHITFIELD COLLIERY

BEILINGER SEA M

NO. 4 NORTH FACE

FACE REPLACEMENT PLANS

cw/s/35

CHATTERLEY-WHITFIELD COLLIERY

BELLRINGER SEAM

NO.4. NORTH

The face will be the first mechanised Bellringer face in the Area. It comes into full production in January 1966, and is a replacement for No.1. North Silver.

There should be a fault-free run of 220 yards, and a daily advance of 5'0", yielding 210 saleable tons, gives a life of approx.7 mths.

The coal will be extracted by means of an advancing longwall face, which will be 160 yards long, and the expected thickness of coal to be mined is 2'9".

The face will be equipped with an A.B. 16"/125HP Shearer and the coal will be mined by taking a total of 3 x 1'8" shears on one shift per day.

The face will be supported by 6'9" Tube Bars set on Dowty Hydraulic Props, and the waste-side will be caved.

The coal will be transported by an N.C.B. Spec. Armoured Face Conveyor via the Stage Loader onto the main level 30" belt conveyor and then transferred to the main 36" trunk belt lying in the Bellringer Main Dip. The coal, together with that coming from the South Yard, will be conveyed to the loading point.

The loading point is situated on the Ten Feet Crut at the Hesketh level and the coal is loaded into 30 cwt. coal capacity mine cars and hauled by diesel locomotive to the Hesketh Shaft.

Group Planning Dept.

Chatterley-Whitfield Colliery

19th October, 1965.

CHATTERLEY WHITFIELD COLLIERY

BELLRINGER SEAM:

NO. 4. NORTH FACE:

FACE REPLACEMENT PLANS.

Manpower, Wages & O.M.S.

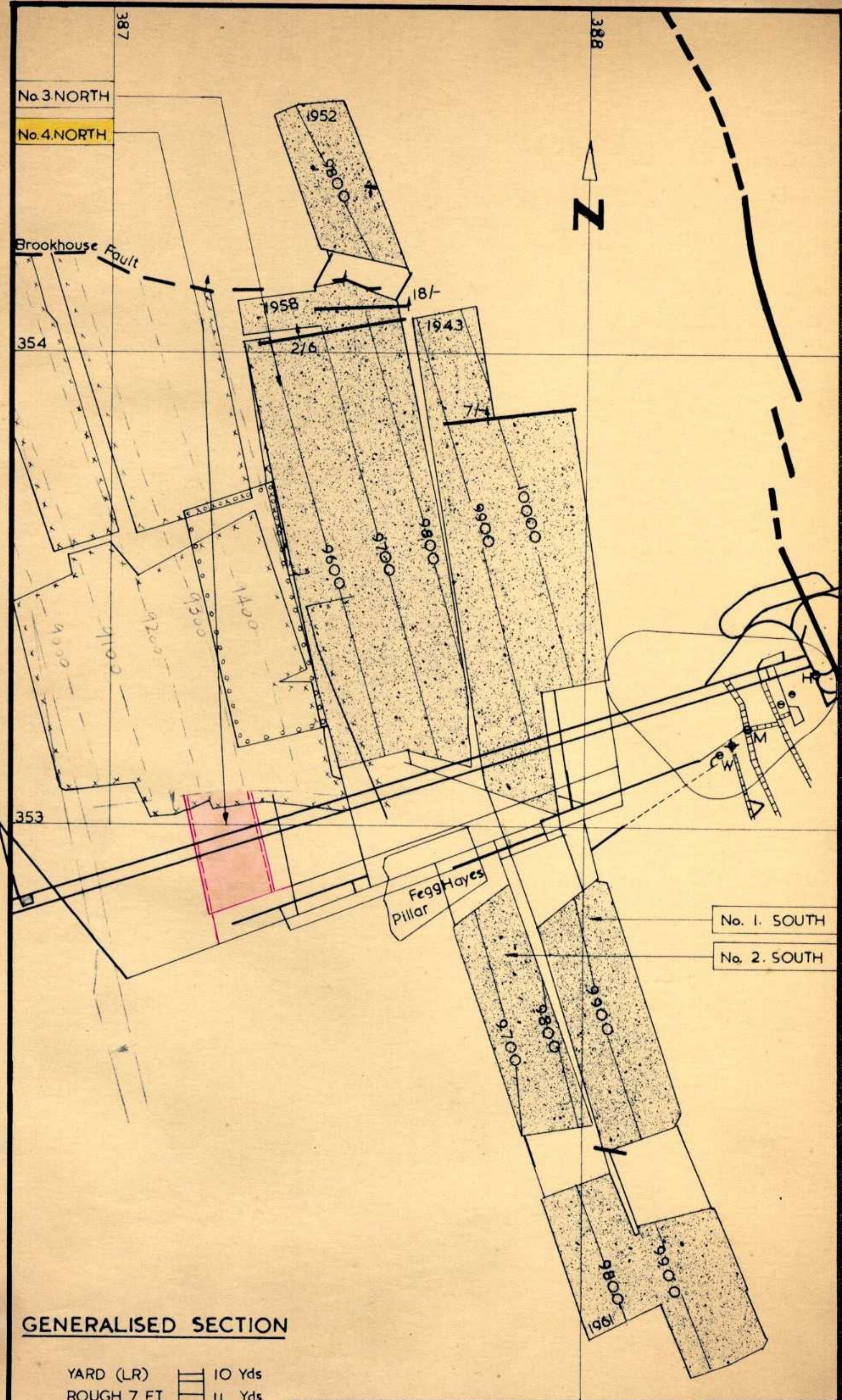
FACE: As Mechanisation Scheme.

Description.	No.of Men/Day	Wages Cost	
		Per Shift	TOTAL
		s. d.	£.
Power Loader Team	18	100. 1.	90
Packing / Caving	2	100. 0.	10
Ripping: Main Gate	4	95. 0.	19
Supply Gate	3	100. 0	15
Others	6	70. 0	21
TOTAL FACE:	33	93. 11	155
Daily Tonnage Saleable			
		210 tons.	
O.M.S.			
		6.36 tons.	
E.M.S.			
		93s. 11d.	

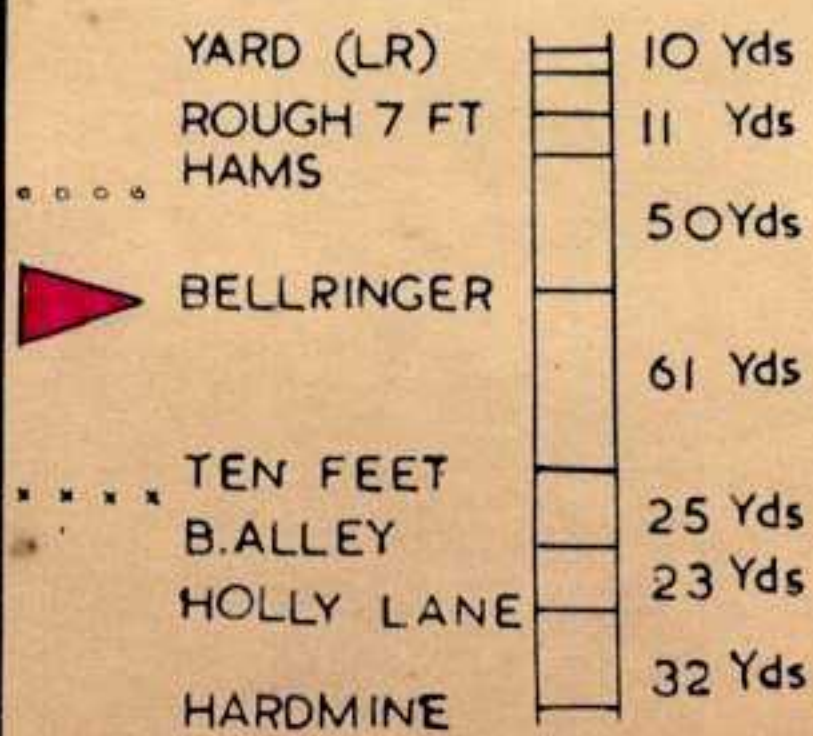
DISTRICT:

Total Face.	33	93.11	155
District Others.	10	72. 0	36
TOTAL DISTRICT:	43	88.10	191
Daily Tonnage - Saleable			
		210	tons.
O.M.S.			
		4.9	tons.
E.M.S.			
		88s.10d.	

14th October, 1965.

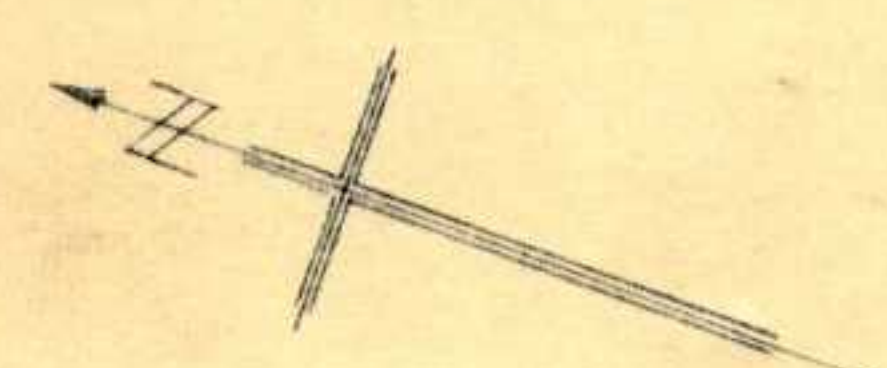
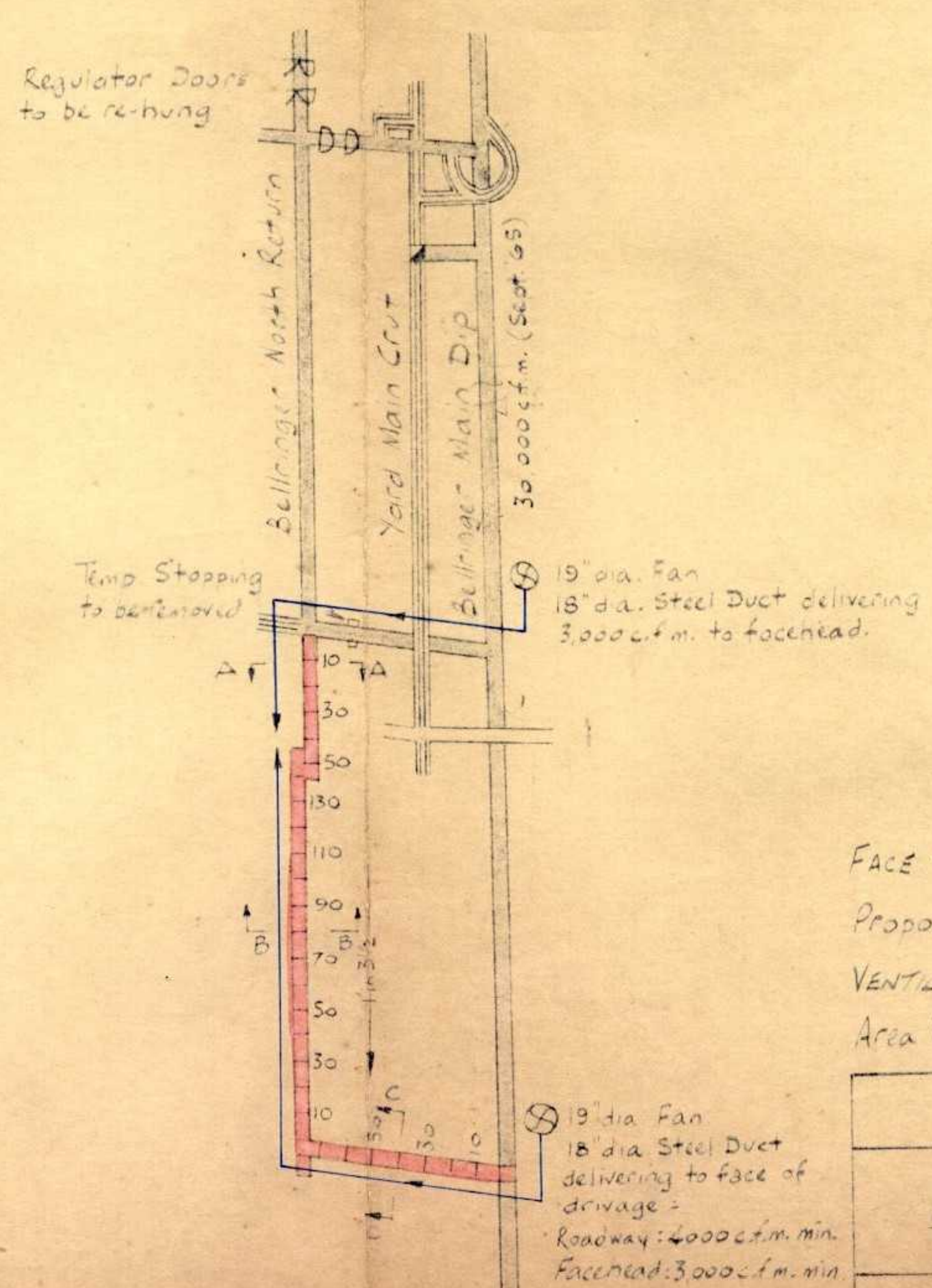
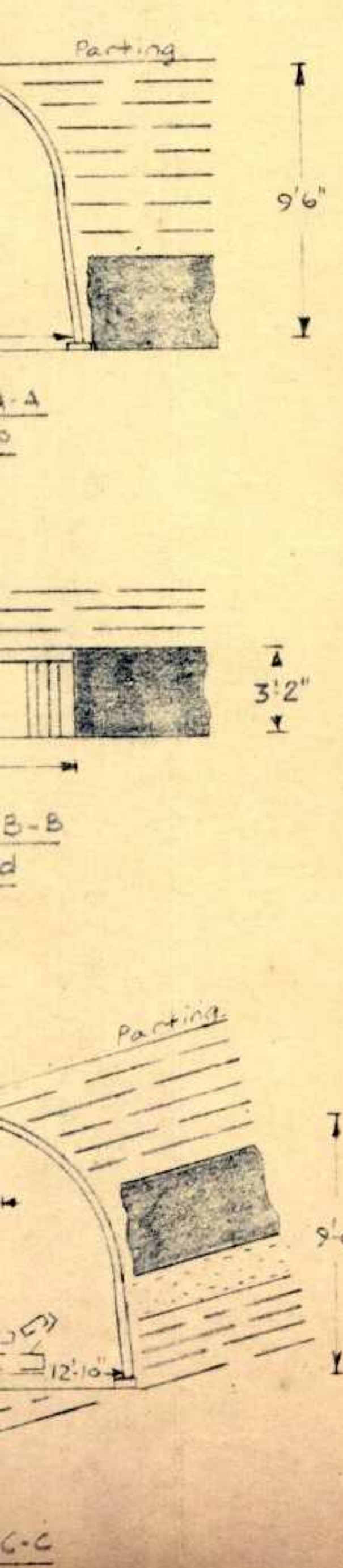


GENERALISED SECTION



NATIONAL COAL BOARD WEST MIDLANDS DIVISION No. 1 NORTH STAFFS: AREA			
CHATTERLEY WHITFIELD COLLIERY Bellringer Seam - North			
DRAWN BY TRACED BY CHECKED BY PASSED BY	A.A.L. C.P.	SCALE 1/10560	AREA PLANNING OFF DRAWING No. 2370/50
		DATE JANUARY 1965	

		1965												1966						
		Sept.			October			November			December			January						
MADE UP TO:		1	18	25	2	9	16	23	30	6	13	20	27	4	11	18	25	1	8	15
* 13 yds per wk.	Phasing																			
hes.	Progress																			
Main Dip	Phasing																			
	Progress																			
per wk	Phasing																			
	Progress																			
ds at 10 yds./wk	Phasing																			
6" arches	Progress																			



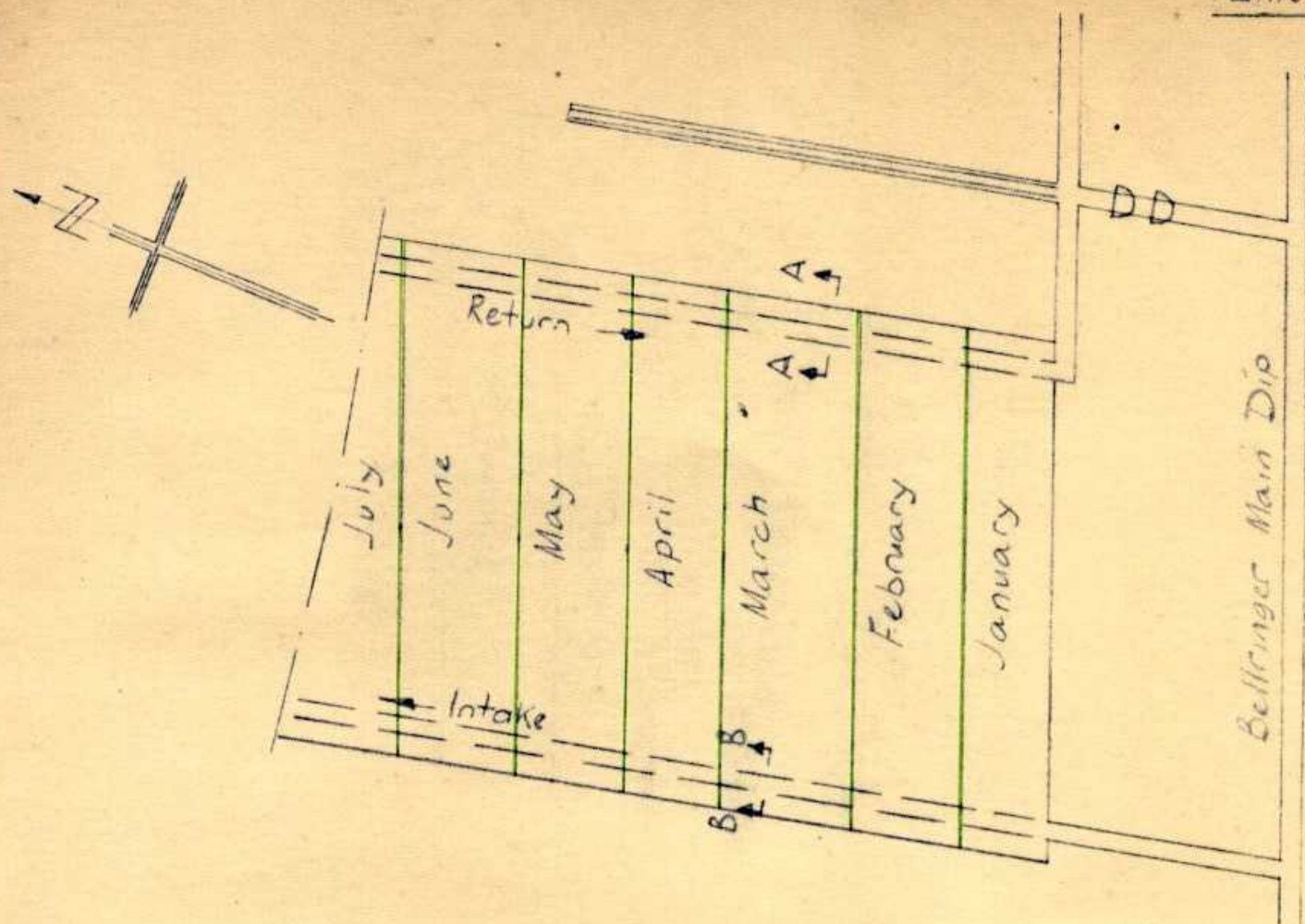
FACE TO BE READY FOR PRODUCTION - JANUARY '65

Proposals Coloured Red

VENTILATION ARRANGEMENTS AGREED BY:

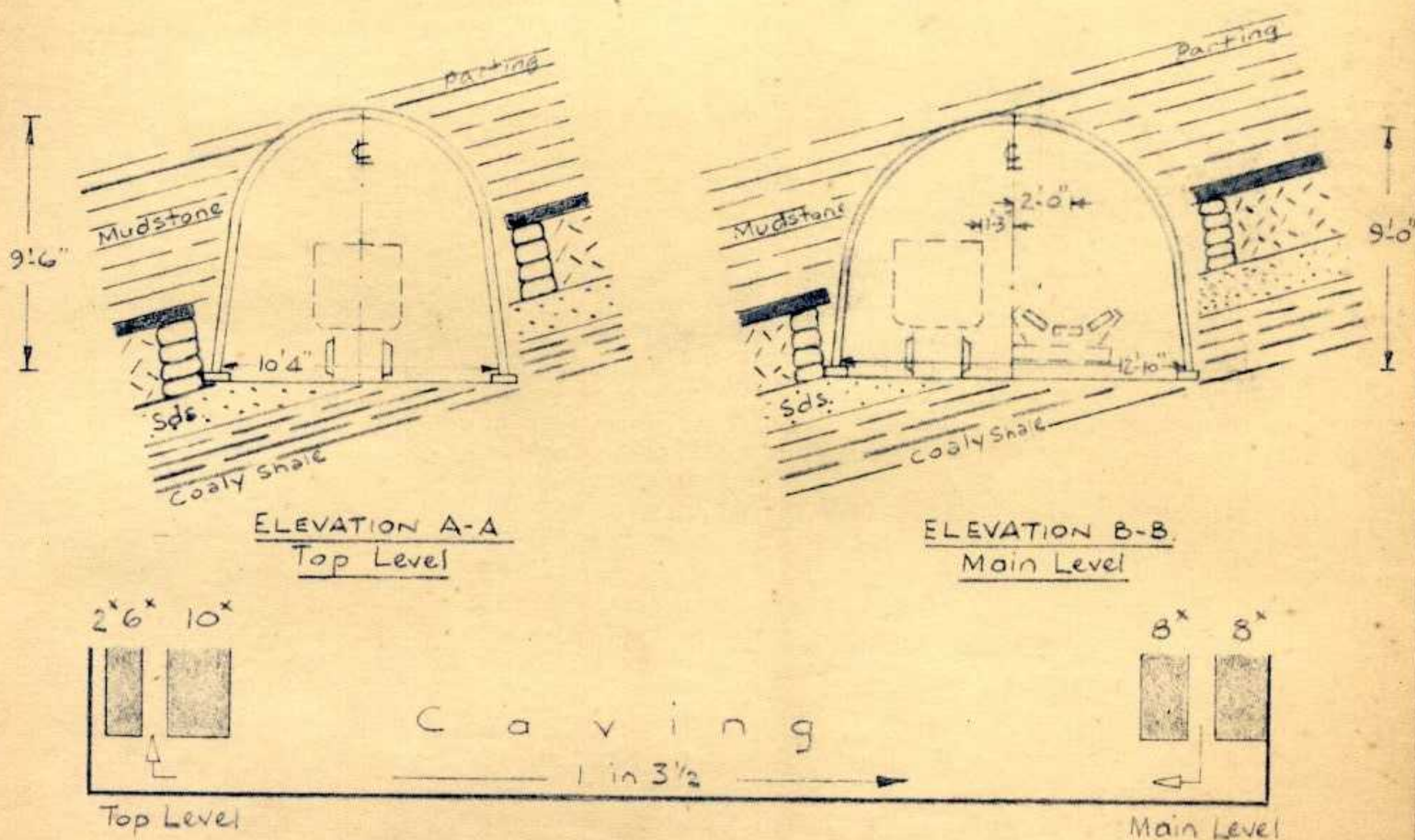
Area Ventilation Engineer: *Rhine* 18.10.65

CHATTERLEY WHITFIELD COLLIERY		
PROPOSED NO. 4 NORTH BELLINGER		
INITIAL DEVELOPMENT PLAN		
AA-	SCALE 1-2500	Dwg No. 2442/50 R.
	DATE OCT. 1965	



The phasing assumes that the face starts production on 3rd Jan. 1966 and maintains an average daily advance of 5'-0"

FACE LENGTH 160 YDS; WORKING HEIGHT 2'-9"; DAILY ADVANCE 5'-0"



PROPOSED PACKING PLAN
Not to Scale

FACE SUPPORTS			
Dowty Hydraulic Props 6' 9" Tube Bars Caving Fletcher Desford Hyd. Chocks	CHATTERLEY WHITEFIELD COLLIERY PROPOSED No. 4 NORTH BELLINGER PROGRESS & SUPPORT PLAN		
SCALE OF YARDS 0 50 100 	A.A.L.	SCALE 1-2500 DATE SEPT 1965	Drg. No 2443/50

PLAN No. 3

INITIAL LAYOUT

32 HP DRH.

100 Tons Coal Bunker

BELLINGER MAIN DIP

Material -

To South Yard

BELLINGER NORTH RETURN

TOP LEVEL

Material

32 HP E.R.H.

No. 1 NORTH BELLINGER

Cool 36" C/V 250 Tons/Hr.

40 H.P.

Cool 30" C/V 200 Tons/Hr.

Material

MAIN LEVEL

32 HP E.R.H.

Transfer Point

1 in 3 1/2

AGREED BY:

Group Mechanical Eng^r. J. W. Mould

CHATTERLEY WHITFIELD COLLIERY
PROPOSED No. 4 NORTH BELLINGER
TRANSPORT & MACHINERY PLAN

Dr. No.

DATE
SEPT. 1965

2444/50

PLAN No. 3A

FINAL LAYOUT

Material

32 H.P. DRH

100 Tons Coal Bunker

BELLINGER MAIN DIP

Material

To South Yard

BELLINGER NORTH RETURN

TOP LEVEL

Material

32 H.P. ERH

No. 4 NORTH BELLINGER

Coal 30" c/v 200 Tons/Hr.

Coal 36" c/v 250 Tons/Hr.

40 H.P.

MAIN LEVEL

Material

32 H.P. ERH

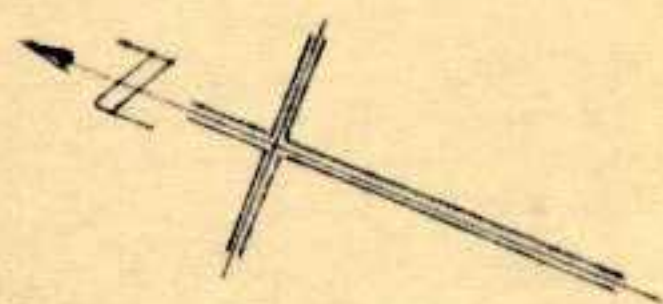
Transfer Point

Group Mechanical Eng'g. J. W. Marshall

Conveyor Drive ● 40 H.P.
Coal Flow 
Materials Flow

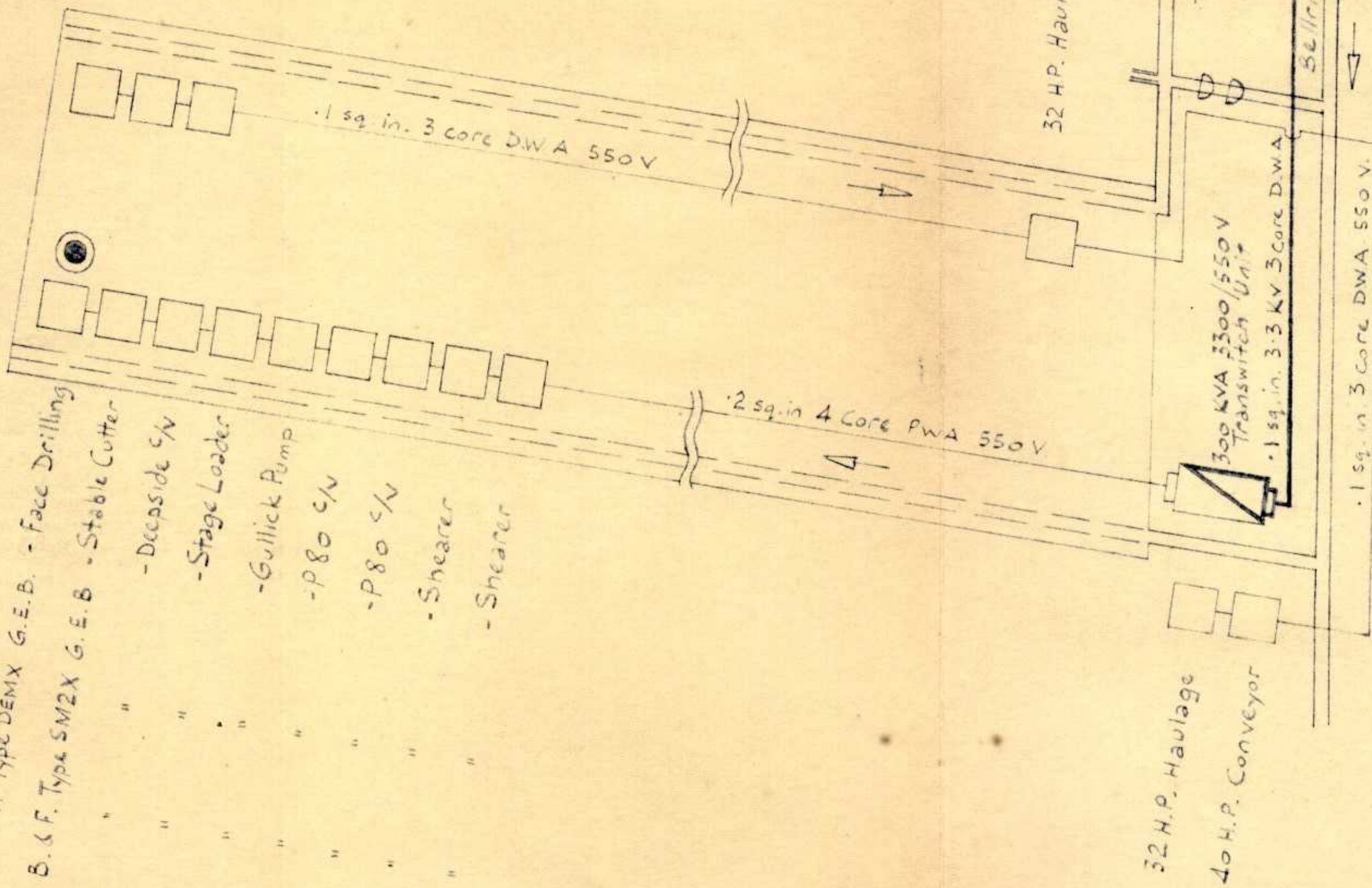
DATE
SEPT. 1965

Dwg. No
2444a/50



- B. & F. Type DEMIX G.E.B. - Face Drilling
- B. & F. Type SM2X G.E.B. - Stable Cutter
- " " " " - Decapside c/w
- " " " " - Stage Loader
- " " " " - Gullick Pump
- " " " " - P80 c/w
- " " " " - P80 c/w
- " " " " - Shearer
- " " " " - Shearer

- B. & F. Type S.D.E.M.3 Drill Control Panel
- B. & F. Type S.A.X. G.E.B. - Stable Cutter
- " " " " - Gullick Pump



REFERENCE :

H.T. Above 650 up to 3300 Volts
M.T. Above 250 up to 650 Volts
Telephones

AGREED BY :

Group Electrical Eng. J.W. Mould.
Group Mechanical Eng. J. J. Mould.

Control Panel
 D.F. Type S.P.X. G.E.B. Stable Cutter
 " " " " " " " " " " " "

1 sq. in. 3 Core DWA 550 V

- Stage Loader
 - Gullick Pump
 - P80 C/V
 - P80 C/V
 - Shearer
 - Shearer

" " " " " "

Reynolds Type 'F' 3-3 KV Oil Immersed Circuit Breaker

" " " "

32 H.P. Haulage

North Return Dip

Bellinger Main Dip

300 KVA 3300/550 V Transswitch Unit

2 sq. in. 4 Core PWA 550 V

32 H.P. Haulage

40 H.P. Conveyor

1 sq. in. 3 Core DWA 550 V

Incoming 15 sq. in. 3-3 KV

Bryce 200 KVA. 3300/550 V. Transswitch Unit

to 3300 Volts
 to 650 Volts

AGREED BY:

Group Electrical Eng. J.W. Mould

Group Mechanical Eng. J.W. Mould

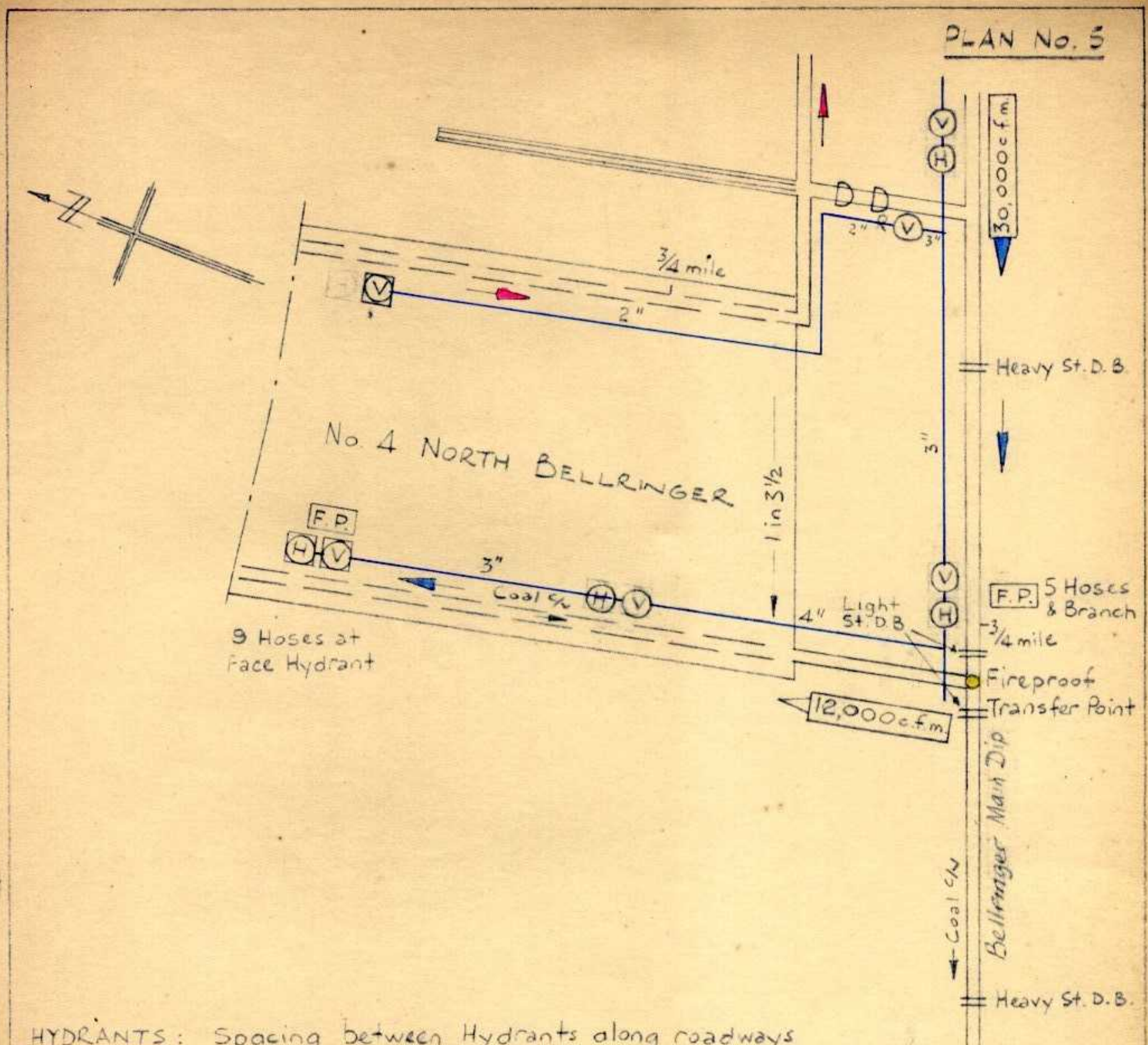
CHATTERLEY WHITFIELD COLLIERY
 PROPOSED No. 4 NORTH BELLINGER
 POWER PLAN

A.A.L.

SCALE
 1" = 2500'

DATE
 SEPT. 1965

Dwg No
 2445/50



HYDRANTS: Spacing between Hydrants along roadways not to exceed 250 yds
(Directive No. PI/1960/9)

DUST BARRIERS: Stone-dust barriers in all conveyor roads:
Light Barriers 50-120 yds. from Face
Heavy Barriers 200-350 yds. " "
(Directive No. PI/1962/4)

REFERENCE		CONTENTS OF FIREPOINT.
Engine House	E.H.	Hose - Min. 100 ft.
Sub Station	S.S.	2 Fire Extinguishers
Transfer Point	o	Stonedust or Sand
Loading Point	•	Pressure at Hydrants with 5/8" or 1/2" dia. nozzles - min 67 lbs/□"
Hydrant	⊕	Source of Water - Surface Reservoir
Valve	⊖	Quantity Available - Unlimited
Reducing Valve	⊖R	Datum for Levels 10,000 Ft. Below Ordnance Datum.
Water Range & Size	2"	
Fire Extinguishers	F.X.	
Stone Dust/Sand Supply	SD/S	
Stone Dust Barrier	= St.DB	
Distance from Shaft in Miles	1 1/2	
Preparatory Stoppings	—	
Ventilation Doors	DD	
Fire Point	F.P.	
Items to be moved as face advances	⊕	

AGREED BY:

Area Ventilation Eng: *Blair* 30.9.65

Area Safety Eng: *L. Jigg* 30/9/65.

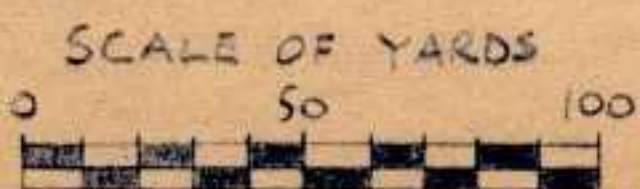
CHATTERLEY WHITFIELD COLLIERY
PROPOSED NO 4 NORTH BELLRINGER
VENTILATION & FIREFIGHTING PLAN

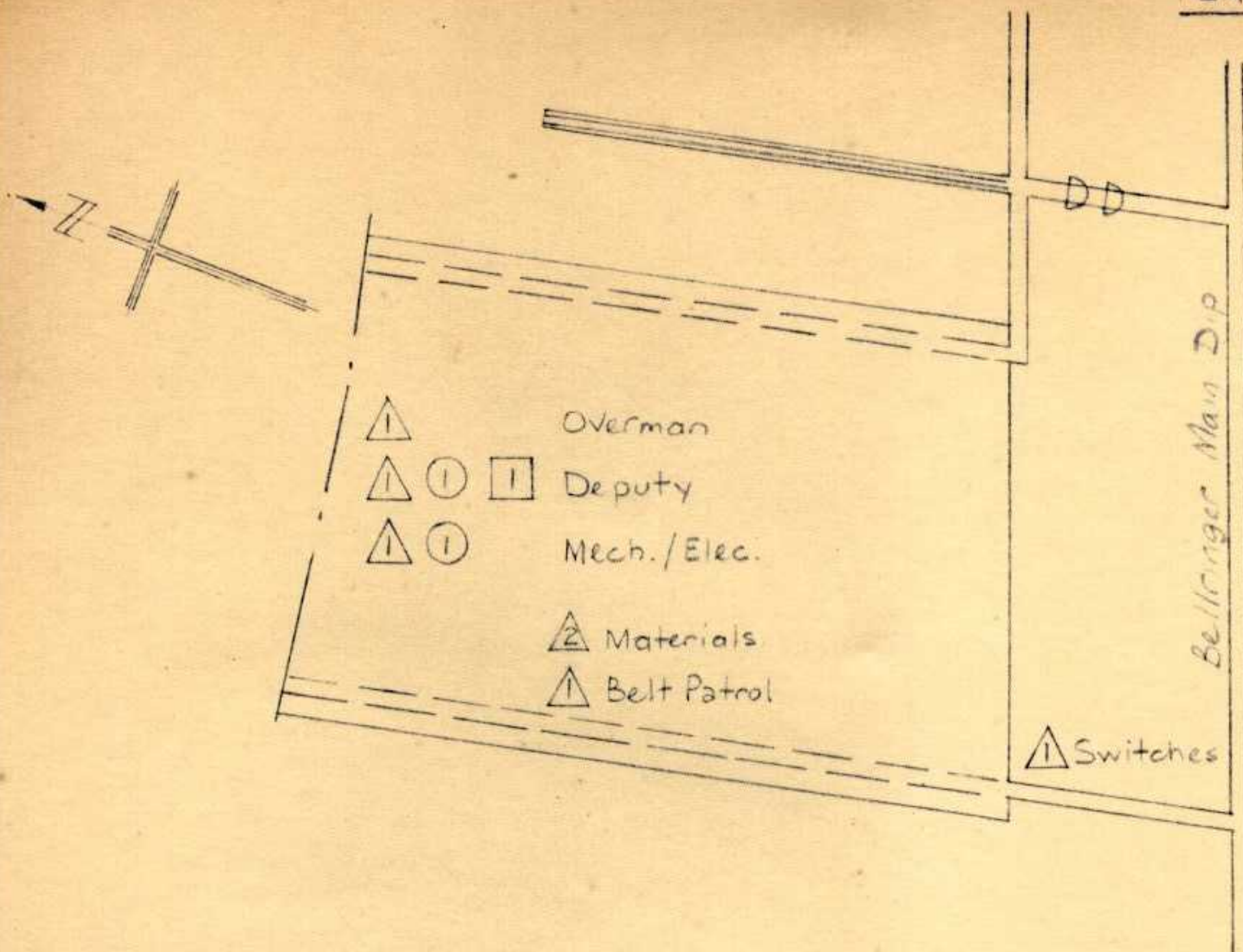
A.A.L.

SCALE
1-2500

DATE
SEPT. 1965

Dwg. No.
2446/50





		△	⊙	□	Total	
FACE O.M.S. 6-36 Tons Saleable	POWER LOADER TEAM	Machine Operator	1		1	
		Asst. " "	1		1	
		Main Gate Stable	4		4	
		Top " "	3		3	
		Timberers / Rams	9		9	
			18		18	
	RIPPING / PACKING	Packing / Caving		2		2
		Main Gate Rip			4	4
		Top " "		3		3
	FACE OTHERS	Shotfirers	2			2
Stage Loader			2		2	
Support Checker		1			1	
Linesman		1			1	
		4	7	4	15	
TOTAL FACE		22	7	4	33	
OTHERS O.M.S. 210 Tons Saleable	Overman	1			1	
	Deputy	1	1	1	3	
	Mechanic / Electrician	1	1		2	
	Materials	2			2	
	Switches	1			1	
	Belt Patrol / Cleaning-up	1			1	
			7	2	1	10
	TOTAL OTHERS		7	2	1	10
TOTAL DISTRICT		29	9	5	43	
O.M.S. 4-9 Tons Saleable						

REFERENCE				
24 Hr. Cycle. 3 x 1'-8" Shears Expected Working Height 2'-9" 210 Tons / Day Saleable		CHATTERLEY WHITFIELD COLLIERY PROPOSED No 4 NORTH BELLINGER MANPOWER PLAN		
		A.A.L.	SCALE 1-2500	Dwg. No. 2447/50
			DATE SEPT. 1905	