9

NATIONAL COAL BOARD

WEST MIDLANDS DIVISION NO.1 (NORTH STAFFS) AREA.

CHATTERLEY WHITFIELD COLLIERY

8690' HORIZON PROPOSED DIRT PREPARATION PLANT.

NATIONAL COAL BOARD

WEST MIDLANDS DIVISION — NO.1 (NORTH STAFFS) AREA

CHATTERLEY WHITFIELD COLLIERY

8690' HORIZON - PROPOSED DIRT PREPARATION PLANT.

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4.	Rise Road to Bunker Top.	04
5.	Loading Stn; Bunker; Bunker Top.	05,06,07.
6.	Proposed Phasing Chart.	
7.	Arch Dimensions.	
General Layout of Proposed Dirt Preparation Plant		01-07

MEMORANDUM

FROM Area Planning Branch, Glebe House, Fenton. **Our Ref.** GEH/JG.

TO P.Smallman.Esq., Agent/Manager, Chatterley Whitfield. **Your Ref.**

Subject Chatterley Whitfield Colliery - 8690' Horizon - Proposed Dirt Preparation Plant Boring of Large Diameter Borehole. **Date** 17th October, 1960.

As you know, the phasing of the boring of the large diameter borehole at Chatterley by the Area Boring Team was based on the phasing of boring at Florence Colliery.

Drawing No.1552/50 - Proposed Dirt Preparation Plant Phasing Chart - shows that the Florence boring was phased to be completed by 22nd Oct, 1960, three weeks then being allowed for overhaul at the Area Central Workshops and transportation to Chatterley. Boring was phased to commence at Chatterley on 12th November 1960.

Due to an unfortunate mishap in the Florence boring, the revised phasing date of completion at Florence is now approx. 19th November 1960. It thus appears that the boring at Chatterley must be rephased to commence on or about this date, although if overhaul is required at the Area Central Workshops, a further three weeks should be allowed for, giving a new starting date of approx. 10th December 1960.

In view of the re-organisation in phasing which this revision incurs, I suggest that a discussion on these matters would be most beneficial, and that we may be able to get together in the very near future.

A. Leeming.

No.1 Group Planning Engineer.

Copy to G. A. Haslett. Esq.

M E M O R A N D U M

FROM: No.1 Group Planning Engineer. Our Ref. AL/BD.

TO: See Distribution List. Your Ref.

Subject. Chatterley Whitfield Colliery
Proposed 8690' Horizon Dirt Prep.Plant. Date. 4th March 1960.

Please find enclosed one file containing plans relating to the construction and equipping of the proposed dirt preparation plant.

Detail plans from the Area Planning Branch (Mechanical Engineering Department) will be forwarded to all concerned when completed.

A Leeming

(A. Leeming).

No.1 Group Planning Engineer.

Distribution List:-

F.Dilks, Esq.,	No.1 Group Manager, Chatterley Whitfield.
P.Smallman,Esq.,	Agent/Manager, Chatterley Whitfield.
G.Haslett,Esq.,	Assistant Manager, Chatterley Whitfield.
A.Brockley,Esq.,	No.1 Group Surveyor, Chatterley Whitfield.
C.Hibbert,Esq.,	No.1 Group Engineer (Mech).Chatterley Whitfield.
W.Mold,Esq.,	No.1 Group Engineer (Elect) " "
R.Walley,Esq.,	Surveyor, Chatterley Whitfield.
A.Jones,Esq.,	Mechanical Engineer, Chatterley Whitfield.
C.Smith,Esq.,	Electrical Engineer, " "
W.Rushton,Esq.,	Administrative Officer, Chatterley Whitfield.
D.Sutton,Esq.,	Mechanical Design Engineer,Area Planning Branch.
J.Smith,Esq.,	Electrical Design Engineer, " " "

NATIONAL COAL BOARD

NO. 1 (NORTH STAFFS. AREA) WEST MIDLANDS DIVISION

CHATTERLEY WHITFIELD COLLIERY

8690' HORIZON - DIRT DISPOSAL SCHEME

CAPITAL REVENUE SPECIAL EXPENDITURE

Capital	£ 42,711
S. Revenue	£ 45,855
AMOUNT AUTHORISED	£ 88,566

CAPITAL Job/No.		£
	Drivage and General Equipment	
8/1	Signals Telephones, etc.	374
	Underground Equipment (Subsidiary Transport)	
9/1	Lofco Feeders - D. Prep. Stn.	4582
2	No. 2 Pikrose - "	566
3	Camp. Air Ramming Equip. - D. Prep. Stn.	682
4	Lofco Feeders - No. 2 S. Moss	3058
5	Camp. Air Ramming Equip. - No. 2 S. Moss	682
	Underground Equipment (Face)	
10/1	Mansfield Crusher, Underframe etc.	7476
2	Bar screen, grillage, receiving hopper, etc.	1545
3	Plate Feeder	1144
4	Picking Belt, platforms and steps	1380
5	Bunker Chute and Steelwork	996
6	D.6D Mono pumps and motors	555
7	Bunker Level Indicator	154
8	Prepared Dirt Conveyor and Motor	4638
9	Tippler with Motor	2213
10	Electrics	4124
11	Belt Conveyor	5456
12	D. 6D Mono Pump	280
13	Tippler	2370
14	Electrics	2090
15	Markham Stowing Machine	2096
		46461
	Less Plant Pool Equipment included	3750
		42711

SECTION Job No.	SPECIAL REVENUE			
1/	**Tippler Station**			
1	Enlarging Roadway	3 yds.	358	
2	" "	20 yds.	2475	
3	Junction Square	1 yds.	1276	
4	Concreting	26 cu. yds.	143	4252
2/	**Crushing Plant House**			
1	1 in 4 F. Crut	10½ yds.	742	
2	1 in 4 F & Level Crut	11 yds.	1084	
3 }		5 yds.		
4 }		5 yds.		
5 }	Crushing Plant House	4 yds.	3229	
6	Concreting	84 cu. yds.	467	5522

/Continued O/Leaf..

Section Job No.	Special Revenue (Continued)		£	
3/	**Crusher Station**			
1	Junction - square	1	2541	
2	To start of rise road	3 yds.	1012	
3	Concreting	50 cu. yds.	275	3828
4/	**Rise Road to Bunker Top**			
1	1 in 3.38 R. Crut to Hams	49 yds.	4576	
2	Hams Junction - Remake	1	1100	
3	Re-ripping/re-grading dip	38 yds.	2178	
4	Junction - Remake	1	825	
5	Re-ripping/re-grading level	10 yds.	528	
6	Concreting etc.	32 cu. yds.	176	9383
5/	**Bunker Top**			
1	Enlarging Roadway	15 yds.	1595	
2	Bunker Top Formation	1	148	
3	Concreting etc.	12 cu. yds.	72	1815
6/	**Dirt Bunker**			
1	1 in 0.49 R. Crut	44 yds.	4653	4653
7/	**Loading Station**			
1	Junction - "square"	1	1419	
2	Enlarging Roadway	7 yds.	902	
3	Concreting, etc.	27 cu. yds.	148	2469
8/	**Drivage and General Equipment**			
2	Lighting Fitting, etc.		1419	
3	Cables, Joint Boxes, etc.		2807	4226
10/	**Underground Equipment**			
10	Electric-s		4141	
14	"	~~240 yds.~~	3157	
16	Stowing Pipes	240 yds.	2409	9707
				45855

NATIONAL COAL BOARD

THE SUBMISSION OF CAPITAL PROJECTS FOR APPROVAL

SCHEDULE OF NEW EXPENDITURE

(Including Capital and Major Revenue Expenditure)

APPENDIX IV to F.631/R (1957)
SHEET 1 OF 4 SHEETS

WEST MIDLANDS DIVISION
NO. 1 (NORTH STAFFS) AREA
CHATTERLEY WHITFIELD COLLIERY
8690' HORIZON - DIRT DISPOSAL SCHEME

Effective Date of Estimate January 1960.

SECTION	SUB SECTION	JOB NUMBER	Description	No. of Items, Length of Road or Shaft, etc.	Size or Capacity	Outside Contract	National Coal Board: Labour	National Coal Board: Indirect Expenses 15% of Labour	National Coal Board: Materials	Estimated Cost before Contingencies	Allowance for Contingencies: %	Allowance for Contingencies: Amount	Fees	Total Estimated Expenditure	Allocation of Total Expenditure: Revenue	Allocation of Total Expenditure: Capital	Depreciation: %	Depreciation: Estimated Annual Charge
17			Mine Drivage & Equipment-8690' Horizon															
	31a	08	Drivage and General Equipment															
		1	Signals, telephones, etc.			280	50	-	10	340	10	34	-	374	-	374	12½	47
		2	Lighting Fittings, etc.	(Tender)		1,325	50	-	10	1,385	2½	34	-	1,419	1,419	-	-	-
		3	Cables, joint boxes, etc.	(Tender)		2,609	100	-	30	2,739	2½	68	-	2,807	2,807	-	-	-
			TOTAL 17/31a /08			4,214	200	-	50	4,464	3	136	-	4,600	4,226	374	12½	47
			Mine Drivages															
	32a	01	Tippler Station															
		1	Enlarging Roadway	3 yds.	17':16'	100	35	-	190	325	10	33	-	358	358	-	-	-
		2	- do - - do -	20yds	18':16'	750	240	-	1,260	2,250	10	225	-	2,475	2,475	-	-	-
		3	Junction - 'square'	1 Item	R.S.J.	600	220	-	340	1,160	10	116	-	1,276	1,276	-	-	-
		4	Concreting	26cu.yds		-	60	-	70	130	10	13	-	143	143	-	-	-
			TOTAL 17/32a/01			1,450	555	-	1,860	3,865	10	387	-	4,252	4,252	-	-	-
	32a	02	Crushing Plant House															
		1	1 in 4 F. Crut	10½ yds	10'4"x 9'6"	380	105	-	190	675	10	67	-	742	742	-	-	-
		2	1 in 4 F. & Level Crut	11yds	16'3"x 12'	490	130	-	365	985	10	99	-	1,084	1,084	-	-	-
		3	Crushing Plant House	5 yds	R.S.J: 10'4"	835	310	-	300	1,445	10	145	-	1,590	1,590	-	-	-
		4	- do - do -	5yds	R.S.J: 10'4"	625	235	-	220	1,080	10	108	-	1,188	1,188	-	-	-
		5	- do - do -	4yds	R.S.J: 16'3"	225	15	-	170	410	10	41	-	451	451	-	-	-
		6	Concreting	84cu.yds		-	195	-	230	425	10	42	-	467	467	-	-	-
			TOTAL 17/32a/ 02			2,555	990	-	1,475	5,020	10	502	-	5,522	5,522	-	-	-

NATIONAL COAL BOARD

THE SUBMISSION OF CAPITAL PROJECTS FOR APPROVAL

SCHEDULE OF NEW EXPENDITURE

(Including Capital and Major Revenue Expenditure)

APPENDIX IV to F.631/R (1957)
SHEET 2 OF 4 SHEETS

WEST MIDLANDS DIVISION
NO. 1 (NORTH STAFFS) AREA
CHATTERLEY WHITFIELD COLLIERY

8690' HORIZON - DIRT DISPOSAL SCHEME

Effective Date of Estimate January 1960.

SECTION	SUB SECTION	JOB NUMBER	Description	No. of Items Length of Road or Shaft, etc.	Size or Capacity	Outside Contract	National Coal Board: Labour	National Coal Board: Indirect Expenses 15% of Labour	National Coal Board: Materials	Estimated cost before Contingencies	Allowance for Contingencies: %	Allowance for Contingencies: Amount	Fees	Total Estimated Expenditure	Allocation of Total Expenditure: Revenue	Allocation of Total Expenditure: Capital	Depreciation: %	Depreciation: Estimated Annual Charge
	32a	03	Crusher Station															
		1	Junction - 'square'	1 Item	R.S.J: 16'-3"	1,315	495	-	500	2,310	10	231	-	2,541	2,541	-	-	-
		2	To start of rise road	3 yds	R.S.J. Constrn.	530	200	-	190	920	10	92	-	1,012	1,012	-	-	-
		3	Concreting	50 cu.yds		-	115	-	135	250	10	25	-	275	275	-	-	-
			TOTAL 17/32a /03			1,845	810	-	825	3,480	10	348	-	3,828	3,828	-	-	-
	32a	04	Rise Road to Bunker Top															
		1	1 in 3.38 R.Crut to Hams	49yds	14'10"x 10'	2,100	590	-	1,470	4,160	10	416	-	4,576	4,576	-	-	-
		2	Hams Junction-Remake	1 Item	R.S.J:R.S.J	635	130	-	235	1,000	10	100	-	1,100	1,100	-	-	-
		3	Re-ripping/re-grading dip	38yds	12'10": 12'10"	760	270	-	950	1,980	10	198	-	2,178	2,178	-	-	-
		4	Junction - Remake	1 Item	R.S.J:R.S.J	465	65	-	220	750	10	75	-	825	825	-	-	-
		5	Re-ripping/re-grading level	10yds	12'10": 12'-10"	160	70	-	250	480	10	48	-	528	528	-	-	-
		6	Concreting,etc.	32 cu.yds.		-	75	-	85	160	10	16	-	176	176	-	-	-
			TOTAL 17/32 a/04			4,120	1,200	-	3,210	8,530	10	853	-	9,383	9,383	-	-	-
	32a	05	Bunker Top															
		1	Enlarging Roadway	15yds	16'3": 12'10"	660	295	-	495	1,450	10	145	-	1,595	1,595	-	-	-
		2	Bunker Top Formation	1 Item		60	15	-	60	135	10	13	-	148	148	-	-	-
		3	Concreting,etc.	12 cu.yds		-	30	-	35	65	10	7	-	72	72	-	-	-
			TOTAL 17/32a/05			720	340	-	590	1,650	10	165	-	1,815	1,815	-	-	-
	32a	06	Dirt Bunker															
		1	1 in 0.49R. Crut	44yds	9'sq.int.	1,950	990	-	1,290	4,230	10	423	-	4,653	4,653	-	-	-
			TOTAL 17/32a/06			1,950	990	-	1,290	4,230	10	423	-	4,653	4,653	-	-	-

NATIONAL COAL BOARD

THE SUBMISSION OF CAPITAL PROJECTS FOR APPROVAL

SCHEDULE OF NEW EXPENDITURE

(Including Capital and Major Revenue Expenditure)

APPENDIX IV TO F.631/R (1957)
SHEET 3 OF 4 SHEETS

WEST MIDLANDS DIVISION
NO.1 (NORTH STAFFS) AREA
CHATTERLEY WHITFIELD COLLIERY

8690' HORIZON - DIRT DISPOSAL SCHEME

Effective Date of Estimate January 1960

SECTION	SUB SECTION	JOB NUMBER	Description	No. of Items Length of Road or Shaft, etc.	Size or Capacity	Outside Contract	National Coal Board			Estimated Cost before Contingencies	Allowance for Contingencies		Fees	Total Estimated Expenditure	Allocation of Total Expenditure		Depreciation	
							Labour	Indirect Expenses 15% of Labour	Materials		%	Amount			Revenue	Capital	%	Estimated Annual Charge
	32a	07	Loading Station															
		1	Junction -'square'	1 Item	R.S.J. : 16'3"	640	115	-	535	1,290	10	129	-	1,419	1,419	-	-	-
		2	Enlarging Roadway	7 yds	18'+16'3"	295	85	-	440	820	10	82	-	902	902	-	-	-
		3	Concreting,etc.	27 cu.yds		-	60	-	75	135	10	13	-	148	148	-	-	-
			TOTAL 17/32a/07			935	260	-	1,050	2,245	10	224	-	2,469	2,469	-	-	-
			TOTALS 17/32a/01-07			13,575	5,145	-	10,300	29,020	10	2,902	-	31,922	31,922	-	-	-
			TOTAL SECTION 17			17,789	5,345	-	10,350	33,484	9.1	3,038	-	36,522	36,148	374	12½	47
19	31a	09	Underground Equipment (Subsidiary Transport) - 8690' Horizon															
		1	Lofco Feeders-D.Prep.Stn.	3		4,050	100	-	15	4,165	10	417	-	4,582	-	4,582	12½	573
		2	No.2 Pikrose - do -	1		500	10	-	5	515	10	51	-	566	-	566	12½	71
		3	Comp.Air Ramming Equip.-do-	1		600	15	-	5	620	10	62	-	682	-	682	12½	85
		4	Lofoc Feeders-No.2 S.Moss	2		2,700	70	-	10	2,780	10	278	-	3,058	-	3,058	12½	382
		5	Comp.Air Ramming Equip.-do-	1		600	15	-	5	620	10	62	-	682	-	682	12½	85
			TOTAL SECTION 19			8,450	210	-	40	8,700	10	870	-	9,570	-	9,570	12½	1,196

NATIONAL COAL BOARD

THE SUBMISSION OF CAPITAL PROJECTS FOR APPROVAL

SCHEDULE OF NEW EXPENDITURE

(Including Capital and Major Revenue Expenditure)

APPENDIX IV TO F.631/R (1957)
SHEET 4 OF 4 SHEETS

WEST MIDLANDS DIVISION
NO.1 (NORTH STAFFS.) AREA
CHATTERLEY WHITFIELD COLLIERY

8690' HORIZON - DIRT DISPOSAL SCHEME

Effective Date of Estimate January 1960.

SECTION	SUB SECTION	JOB NUMBER	Description	No. of Items Length of Road or Shaft, etc.	Size or Capacity	Outside Contract	National Coal Board Labour	National Coal Board Indirect Expenses 15% of Labour	National Coal Board Materials	Estimated Cost before Contingencies	Allowance for Contingencies %	Allowance for Contingencies Amount	Fees	Total Estimated Expenditure	Allocation of Total Expenditure Revenue	Allocation of Total Expenditure Capital	Depreciation %	Depreciation Estimated Annual Charge
20	31 a	10	Underground Equipment (Face)															
		1	Mansfield Crusher, Underframe, etc.		(T.& T.E.)	7,000	200	-	5	7,205	2½ 10	271	-	7,476	-	7,476	12½	934
		2	Bar screen, grillage, receiving hopper, etc.			1,350	50	-	5	1,405	10	140	-	1,545	-	1,545	12½	193
		3	Plate Feeder	1		1,000	35	-	5	1,040	10	104	-	1,144	-	1,144	12½	143
Dirt Prep. Sth.		4	Picking Belt, platforms & steps			1,200	50	-	5	1,255	10	125	-	1,380	-	1,380	12½	173
		5	Bunker Chute & Steelwork			850	30	-	25	905	10	91	-	996	-	996	12½	124
		6	D.6D. Mono pumps & motors	2		480	20	-	5	505	10	50	-	555	-	555	12½	69
		7	Bunker Level Indicator	1		100	15	-	25	140	10	14	-	154	-	154	12½	19
		8	Prepared Dirt Conveyor & motor		(T. & T.E.)	4,300	200	-	10	4,510	2½ 10	128	-	4,638	-	4,638	12½	580
		9	Tippler with motor	1	(T.&T.E.)	2,100	50	-	5	2,155	2½ 10	58	-	2,213	-	2,213	12½	277
		10	Electrics		(Tender)	7,944	100	-	20	8,064	2½	201	-	8,265	4,141	4,124	12½	516
		11	Belt Conveyor	1-200yds		4,750	200	-	10	4,960	10	496	-	5,456	-	5,456	12½	682
No.2 South Moss Return		12	D.6D Mono pump	1		240	10	-	5	255	10	25	-	280	-	280	12½	35
		13	Tippler	1		2,100	50	-	5	2,155	10	215	-	2,370	-	2,370	12½	296
		14	Electrics			4,670	50	-	50	4,770	10	477	-	5,247	3,157	2,090	12½	261
		15	Markham Stowing Machine	1		1,850	50	-	5	1,905	10	191	-	2,096	-	2,096	12½	262
		16	Stowing Pipes	240yds		2,000	180	-	10	2,190	10	219	-	2,409	2,409	-	-	-
			TOTAL SECTION 20			41,934	1,290	-	195	43,419	6.5	2,805	-	46,224	9,707	36,517	12½	4,564
			Less Plant Pool Equipment Included											3,750	-	3,750	-	-
														42,474	9,707	32,767	-	4,564
			TOTALS, ALL SECTIONS											92,316	45,855	46,461	12½	5,807
			Less Plant Pool Equipment Included											3,750	-	3,750		

NATIONAL COAL BOARD

THE SUBMISSION OF CAPITAL PROJECTS FOR APPROVAL

SCHEDULE OF NEW EXPENDITURE

(Including Capital and Major Revenue Expenditure)

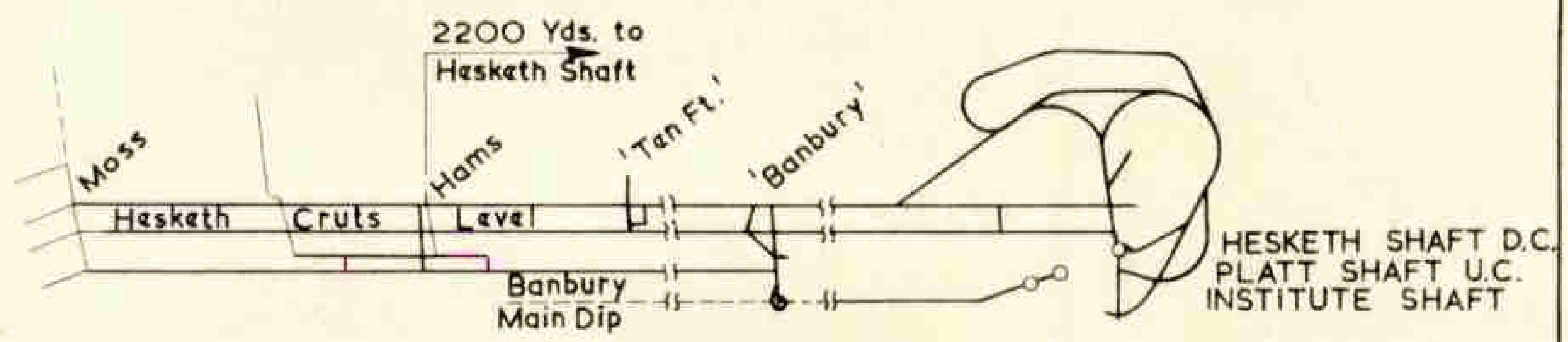
WEST MIDLANDS DIVISION
NO.1 (NORTH STAFFS.) AREA
CHATTERLEY WHITFIELD COLLIERY

8690' HORIZON - DIRT DISPOSAL SCHEME

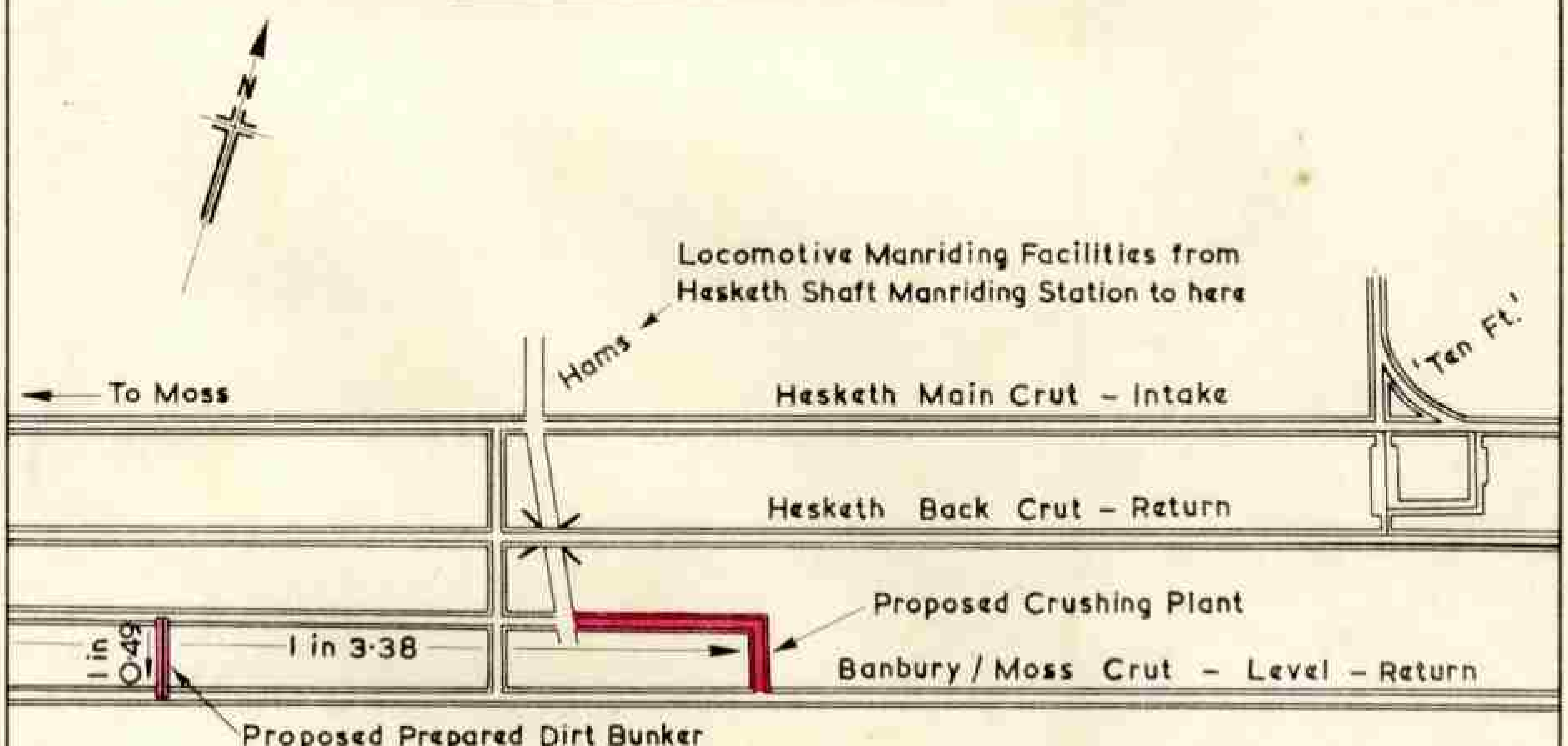
Effective Date of Estimate January 1960.

SECTION	SUB SECTION	JOB NUMBER	Description	No. of Items Length of Road or Shaft, etc.	Size or Capacity	Outside Contract	National Coal Board Labour	National Coal Board Indirect Expenses 15% of Labour	National Coal Board Materials	Estimated Cost before Contingencies	Allowance for Contingencies %	Allowance for Contingencies Amount	Fees	Total Estimated Expenditure	Allocation of Total Expenditure Revenue	Allocation of Total Expenditure Capital	Depreciation %	Depreciation Estimated Annual Charge
20	31a	10	Underground Equipment (Face)															
		1	Mansfield Crusher, Underframe, etc.		(T.& T.E.)	7,000	200	-	5	7,205	2½ 10	271	-	7,476	-	7,476	12½	934
		2	Bar screen, grillage, receiving hopper, etc.			1,350	50	-	5	1,405	10	140	-	1,545	-	1,545	12½	193
		3	Plate Feeder	1		1,000	35	-	5	1,040	10	104	-	1,144	-	1,144	12½	143
Dirt Prep. Stn.		4	Picking Belt, platforms & steps			1,200	50	-	5	1,255	10	125	-	1,380	-	1,380	12½	173
		5	Bunker Chute & Steelwork			850	30	-	25	905	10	91	-	996	-	996	12½	124
		6	D.6D. Mono pumps & motors	2		480	20	-	5	505	10	50	-	555	-	555	12½	69
		7	Bunker Level Indicator	1		100	15	-	25	140	10	14	-	154	-	154	12½	19
		8	Prepared Dirt Conveyor & motor (T. & T.E.)			4,300	200	-	10	4,510	2½ 10	128	-	4,638	-	4,638	12½	580
		9	Tippler with motor	1	(T.&T.E.)	2,100	50	-	5	2,155	2½ 10	58	-	2,213	-	2,213	12½	277
		10	Electrics		(Tender)	7,944	100	-	20	8,064	2½	201	-	8,265	4,141	4,124	12½	516
		11	Belt Conveyor	1-200yds		4,750	200	-	10	4,960	10	496	-	5,456	-	5,456	12½	682
No.2 South Moss Return		12	D.6D Mono pump	1		240	10	-	5	255	10	25	-	280	-	280	12½	35
		13	Tippler	1		2,100	50	-	5	2,155	10	215	-	2,370	-	2,370	12½	296
		14	Electrics			4,670	50	-	50	4,770	10	477	-	5,247	3,157	2,090	12½	261
		15	Markham Stowing Machine	1		1,850	50	-	5	1,905	10	191	-	2,096	-	2,096	12½	262
		16	Stowing Pipes	240yds		2,000	180	-	10	2,190	10	219	-	2,409	2,409	-	-	-
			TOTAL SECTION 20			41,934	1,290	-	195	43,419	6.5	2,805	-	46,224	9,707	36,517	12½	4,564
			Less Plant Pool Equipment Included											3,750	-	3,750	-	-
														42,474	9,707	32,767	-	4,564
			TOTALS, ALL SECTIONS											92,316	45,855	46,461	12½	5,807
			Less Plant Pool Equipment Included											3,750	-	3,750		
			TOTAL EXPENDITURE TO BE APPROVED											88,566	45,855	42,711		5,807

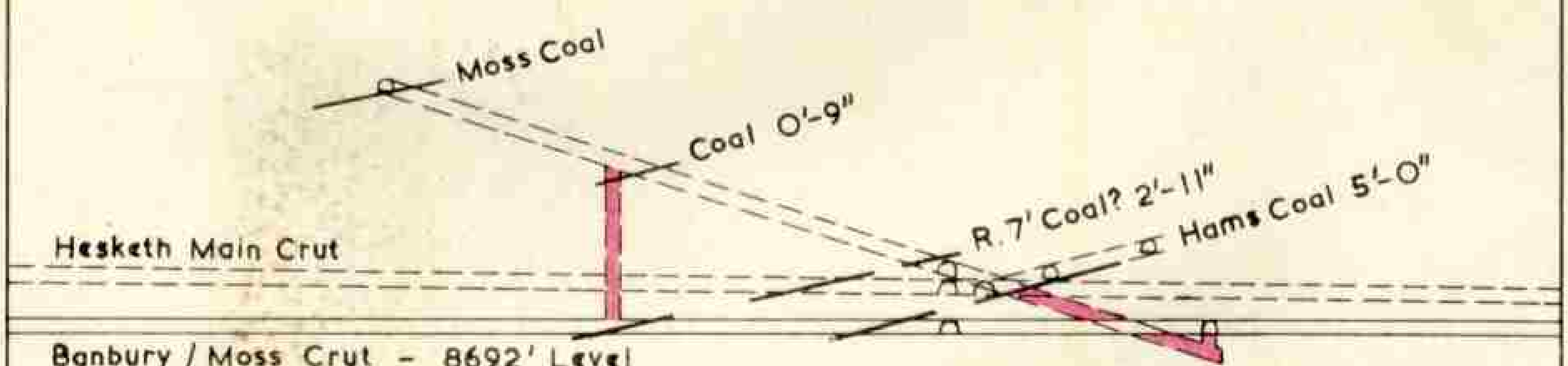
PLAN No. 1



PLAN
Scale : 6 Inches to 1 Mile



PLAN
Scale : 1/2500



ELEVATION
Scale : 1/2500

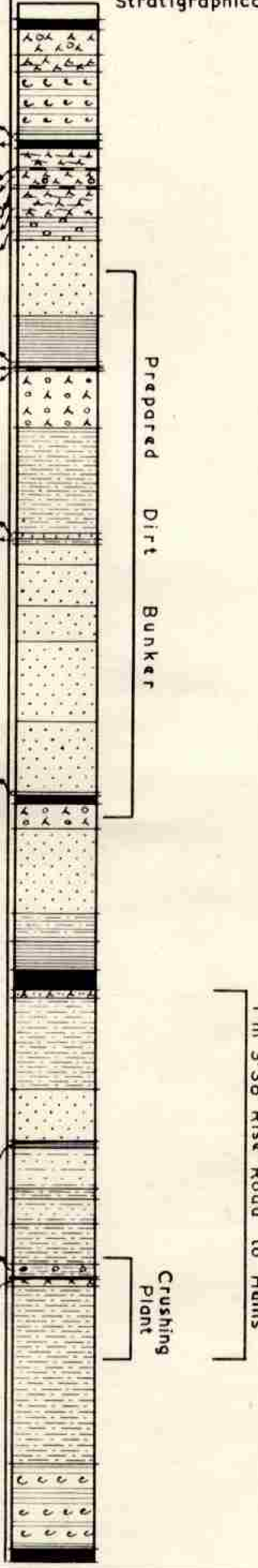
Existing Roadways – Uncoloured
Proposed Roadways – Coloured Red

NATIONAL COAL BOARD WEST MIDLANDS DIVISION No. 1 NORTH STAFFS : AREA			
CHATTERLEY WHITFIELD COLLIERY 8690' Horizon – Proposed Dirt Preparation Plant Location Plan			
DRAWN BY TRACED BY CHECKED BY PASSED BY	A.A.L. A.L. A.A.L.	SCALE AS SHEWN DATE JANUARY 1960	AREA PLANNING OFF DRAWING No. 1429/50

PLAN No. 2

Description	Thickness Yds.	Ft.	Ins.
MOSS CANNEL SEAM		2	5
Fireclay with Ironstone nodules	2	0	0
Fireclay with Ironstone & siltstone bands	1	1	6
Shale with mussel bands	5	0	6
Black Shale		1	6
FIVE FEET SEAM		2	2
Fireclay with Coal & Ironstone bands	1	1	2
Coaly Shale		0	6
Fireclay with Ironstone nodules	1	1	0
Coaly Shale		0	10
Fireclay with Coal & Ironstone bands	2	2	3
Shale with Ironstone nodules	1	1	4
Siltstone	6	1	3
Shale with Ironstone bands	3	2	4
Black Shale		1	0
COAL		0	9
Coaly Shale		0	9
Fireclay with Ironstone nodules	4	2	3
Sandy Shale with Ironstone bands	8	2	6
Sandstone		1	6
Sandy Shale		1	6
Sandstone with Ironstone bands	21	0	0
Coaly Shale		1	0
ROUGH SEVEN FEET SEAM ?		2	11
Fireclay with Ironstone nodules	2	0	11
Siltstone / Sandstone	7	0	9
Sandy Shale with Ironstone bands	2	1	0
Shale with Coal & Ironstone bands	2	1	4
HAMS SEAM	1	2	0
Sandy Fireclay		2	6
Sandy Shale	7	2	0
Siltstone/Sandstone	4	1	0
COAL		0	2
Coaly Shale		1	6
Siltstone	3	1	6
Sandy Shale		2	9
Siltstone / Sandstone	2	0	3
Sandy Shale	3	1	0
Shale with Ironstone nodules	1	0	0
COAL		0	9
Fireclay		2	3
Sandy Shale	14	2	0
Shale with mussels & Ironstone bands	7	0	8
BELLRINGER SEAM	1	0	7

Dip of Strata 1 in 4·5 S.W.
Stratigraphical Thickness



NATIONAL COAL BOARD
WEST MIDLANDS DIVISION No. 1 NORTH STAFFS: AREA

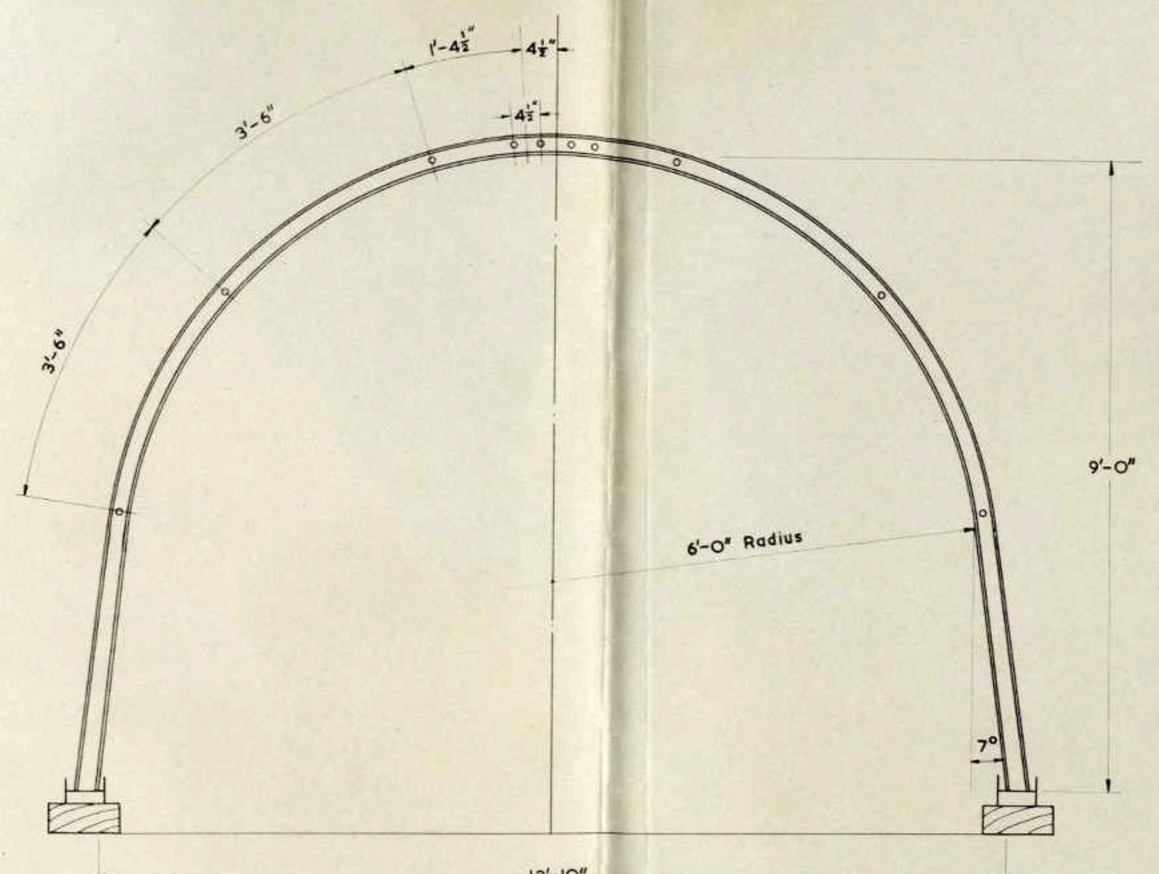
CHATTERLEY WHITFIELD COLLIERY
8690' Horizon – Proposed Dirt Preparation Plant
Projected Strata Section

DRAWN BY	A.A.L.	SCALE 40 Ft. to 1 Inch	AREA PLANNING OFF
TRACED BY	A.L.		
CHECKED BY	A.A.L.	DATE JANUARY 1960	DRAWING No. 1430/52
PASSED BY			

PLAN No. 3
O3 E
2'-6" c/c
3'-0" c/c
2'-6" c/c
27 26 25 24 23 22 21 20 19 18 17 16
6"x4·5"x25'-0" fitted with footplates and set 2'-6" c/c's
Standard 14'/14'-10"x 10' Arches
Set 3'-0" Apart c/c
8677·13'
1 in 3·38
Proposed
Centre Line 14'/14'-10"x 10' Arches - Azimuth 73°-20'
Centre Line 12'/12'-10"x 9' Arches
D
1'-0"
'right'
Twin Stanchions R.S.J. 15"x6"x'left' 17'-4" 'left'
x'right' 22'-0"
Twin Carrier R.S.J. 18"x6"x16'-6"
between stanchions
Single Stanchions R.S.J.
Single Carriers R.S.J.
No. 1 = 15" x 6" x 22'-6"
2 = " x 21'-2"
3 - " x 19'-11"
4 - " x 18'-8"
5 - " x 17'-4"
6 - " x 16'-0"
7 - " x 14'-9"
8 - " x 14'-9·5"
9 - " x 14'-10"
10 - " x 14'-10·5"
11 - " x 14'-11"
12 - " x 14'-11·5"
13 - " x 15'-0"
14 - " x 15'-0"
15 - " x 15'-0"
16 - 12" x 6" x 23'-6"
17 - " x 22'-10"
18 - " x 22'-3"
19 - " x 21'-6"
20 - " x 20'-10"
21 - " x 20'-3"
22 - " x 19'-6"
23 - " x 18'-10"
24 - " x 17'-5"
25 - " x 16'-4"
26 - " x 15'-2"
27 - " x 14'-0"
15"x6"x 13'-6" between stanchions
15"x6"x 15'-6" between stanchions
15"x6"x 13'-6" between stanchions
15"x6"x 19'-0" from inside of stanchions
15"x6"x 17'-6" between stanchions
15 14 13 12 11 10 9 8 7 6 5 4 3 2 1
Centre Line - Proposed Azimuth 342°-40'
Set 2'-9" Apart c/c
1 in 60
2'-0" c/c
O2
Twin Stanchions R.S.J. 15"x6"x23'-4"
Twin Carrier R.S.J. 18"x6"x13'-6"
between stanchions
Excavation for Tippler
2'-6"
8692·0'
8691·8'
8691·8'
8692·0'
L E V E L
1 in 50
for 10'-0"
8'-9"
5'-6"
5'-6"
Rails 1 in 100 for 20'-0"
LEVEL
Centre Line
Azimuth 72°40'-32"
3'-6"
2'-9"
10'-3"
L E V E L
15'/16'x12' Arches Set 3'-0" Apart c/c
Special Three Section 'Junction' Arch - No 2
Set 3'-0" Apart c/c
2'-6" c/c
Set 2'-6" Apart c/c
2'-6" c/c
Special Three Section Arch No 2
Set 3'-0" Apart c/c
3'-0" c/c
Arch No 1
3'-0" c/c
15'/16'x12' Arches
Set 3'-0" Apart c/c
O1
Single Stanchions R.S.J. 12"x6"x11'-10"
Single Carriers R.S.J. 15"x6"x20'-6"
from inside of stanchions
O1
423'-9" to Stn. 8 b.
E
BANBURY / MOSS CRUT
Trackwork to be level except as shewn - 100'-0" Radius curves
BANBURY/MOSS CRUT
10'-3"
8'-9"
R.L. 8692·00'
R.L. 8691·80'
F.L. 8690·83'
3'-6"
6"
5'-6"
2'-6"
1'-9"
6'-0"
1'-0"
Excavation for Tippler
Formation Level 8677·83'
1 in 60
Initial Drivage 1 in 4
9'/10'-4"x9'-6"
10·5 Yds.
15'/16'-3"x12'
11 Yds.
1'-0"
1'-3"
2'-6"
F.L. 8677·13'
F.L. 8677·13'
ELEVATION E-E
2200 Yds to
Hesketh Shaft
Hesketh Main Crut - Intake
Hams
Hesketh Back Crut - Return
Moss
1 in 3
Proposed
1in3·38
O3
Prop. Bunker
O2
Banbury/Moss Crut - Return
O1
LOCATION PLAN Scale: 1/2500
N
Initial Drivage
1 in 3·38
F.L. in Crushing Plant 8677·13'
2'-3"
7'-0"
ELEVATION D-D
JOB NOS. SHEWN O1
LEVELS RELATIVE TO ASSUMED DATUM - 10,000 FT. B.O.D.
NATIONAL COAL BOARD
WEST MIDLANDS DIVISION No. 1 NORTH STAFFS: AREA
CHATTERLEY WHITFIELD COLLIERY
8690' Horizon - Proposed Dirt Preparation Plant
Proposed Crushing Plant
DRAWN BY A.A.L.
TRACED BY A.L.
CHECKED BY A.A.L.
PASSED BY
SCALE
8 Ft. to 1 Inch
DATE
JANUARY 1960
AREA PLANNING
DRAWING N
1431/50

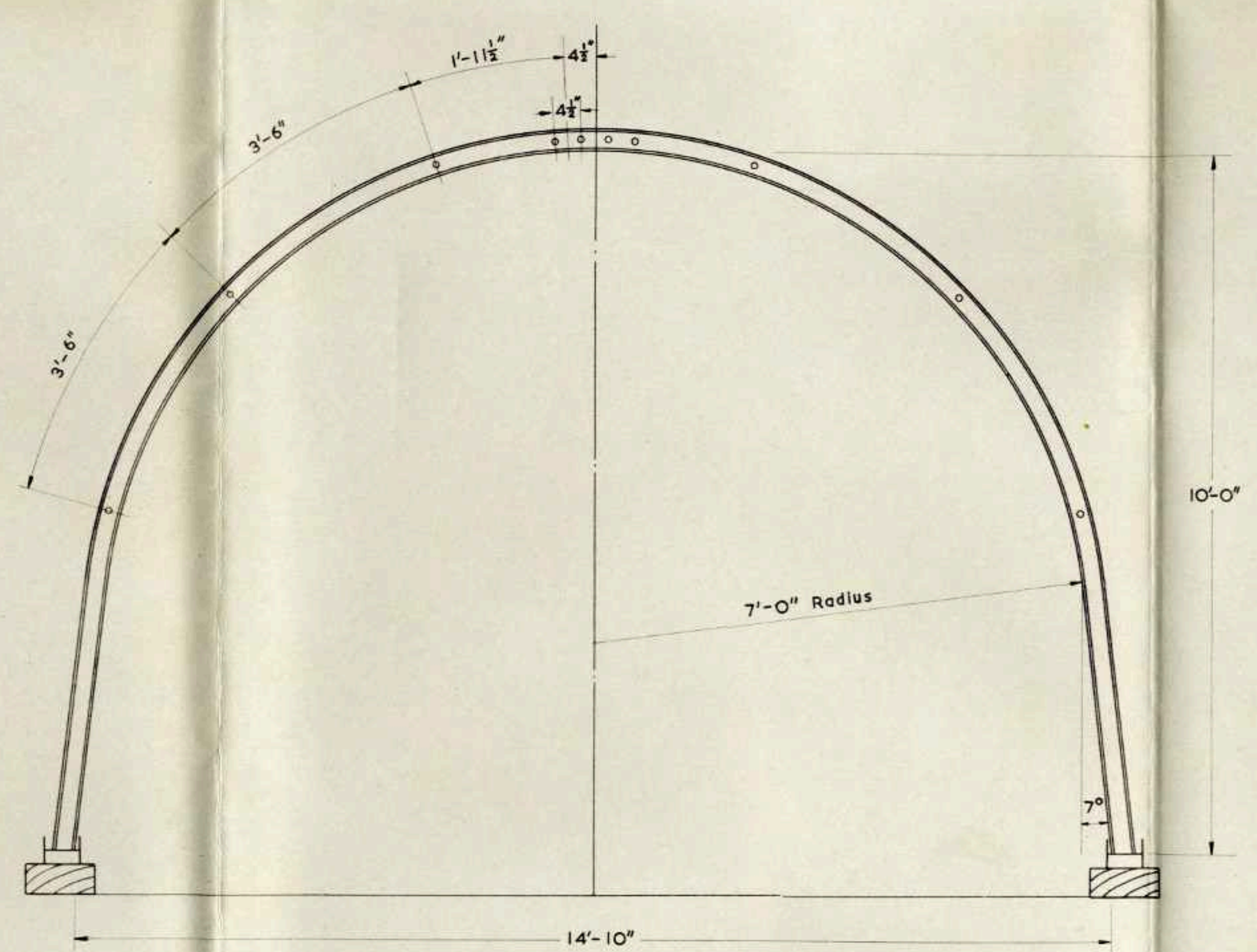

PLAN Nº 4
Existing Junction to be remade
Twin Stanchions R.S.J. 12"x 6"x 'left' 9'-0" x 'right' 12'-6"
Twin Carrier R.S.J. 15"x 6"x 10'-0" between stanchions
No Beat-up required
To Hesketh Back Crut
Existing Hams Junction to be remade
Twin Stanchions R.S.J. 12"x 6"x 'left' 9'-0" x 'right' 12'-6"
Twin Carrier R.S.J. 15"x 6"x 13'-0" between stanchions
12'/12'-10"x 9' Arches
Hams South Level
To Hesketh Main Crut
10 Yds. to be ripped 12'/12'-10"x 9' Arches and regraded
Close set under Hams Dip as conditions demand
14'/14'-10"x 10' Arches
Steel Beams in 9" Brickwork
Azimuth 73°-20'
Centre Line
30" BELT CONVEYOR
Proposed Azimuth 73°-20'
Proposed Centre Line 12'/12'-10"x 9'
38 Yds. to be ripped 12'/12'-10"x 9' and regraded at 1 in 3·38
49 Yds. at 1 in 3·38
Single Stanchions R.S.J. 8"x 6" x Nº. 1 - 10'-3" 2 - 10'-9" 3 - 11'-3" 4 - 12'-0" 5 - 12'-9" 6 - 13'-3" 7 - 13'-9"
Note: Single Stanchions to be erected 2'-0" apart c/c on existing floor level
Single Carriers R.S.J. 12"x 6"x 14'-6" from inside of stanchions
Foot of Stanchions on Concrete Retaining Lip
Single Stanchions R.S.J. 8"x 6" x Nº. 1 - 9'-6" 2 - 10'-3" 3 - 11'-0" 4 - 11'-9" 5 - 12'-6" 6 - 13'-3" 7 - 13'-9"
Note: Single Stanchions to be erected 2'-6" apart c/c on proposed floor level
Single Carriers R.S.J. 12"x 6"x 15'-6" from inside of stanchions
Roadway to be sealed
Existing Junction to be demolished
Proposed Junction to be constructed
12'/12'-10"x 9'
30" Belt Conveyor
Existing Floor Level
Existing Roadway Shewn Broken Line
Proposed Roadway Shewn Solid Line
8725·00'
8727·2' E.
Beat-up approx. 4'-0"
Roadway to be sealed and packed
Existing Hams Return Dip
14'/14'-10"x 10' Arches close set under Hams Dip as conditions demand
1 in 3·38
Proposed Floor Level
ELEVATION C-C
Centre Line
Proposed Crushing Plant
Centre Line
Proposed Bunker
LOCATION PLAN - SCALE: 1-2500
Hesketh Main Crut - Intake
Hesketh Back Crut - Return
Banbury / Moss Crut
Crossovers
Prop. Bunker
Site of Dirt Preparation Plant
Possible Future Lateral
Proposed Roadway Coloured Red
Proposed Rail Layout as shewn
Proposed Connection
Ventilation regulated to top of Bunker by means of pipes through the Bunker
EXISTING LEVELS SHEWN 8731·8' E.
JOB NOS. SHEWN 04
LEVELS RELATIVE TO ASSUME DATUM - 10,000' B.O.D.
BANBURY / MOSS CRUT
Centre Line
100'-0" Radii Curves
NATIONAL COAL BOARD
WEST MIDLANDS DIVISION No. 1 NORTH STAFFS: AREA
CHATTERLEY WHITFIELD COLLIERY
8690' Horizon - Proposed Dirt Preparation Plant
1 in 3 Rise Road to Bunker Top
DRAWN BY A.A.L.
TRACED BY A.L.
CHECKED BY A.A.L.
PASSED BY
SCALE 8 Ft. to 1 Inch
DATE JANUARY 1960
AREA PLANNING O
DRAWING No. 1432/50


PLAN No. 5
Approx. 61 Yds. to No.1 N. Moss Top Level
15'/16'-3"x12' Arches 15 Yds.
9" Brick wall
Fence
Centre Line
8"x6"x14'-0" Channels
12'/12'-10"x9' Arches
2'-0"
Level
1 in 2·98
Feet of 15'/16'-3"x12' Arches rest in 8"x6"x14'-0" Channel
Note: North side of roadway to be kept straight – ℄ 15'/16'-3"x12' Arches to be offset 1'-6" to south of existing ℄ 12'/12'-10"x9' Arches
New floor level of 15'/16'-3"x12' Arches to be 4'-0" below existing floor level 12'/12'-10"x9' Arches
Proposed Azimuth 342°-40'
Proposed Bunker
9" pipe to be layed throughout length of bunker for ventilation purposes
73'-0" to Station 8 b.
17 – 10"x6"x11'-0"
10 – 10"x6"x4'-6"
R.S.J. Channels forming floor of bunker and lying on single carriers
Floor of R.7' Coal ? 2'-11"
Sump 6'-0"x3'-0"x3'-0" int.
Centre Line Azimuth 72°-40'-32"
R.L. 8692·00'
L E V E L
15'/16'x12' 3'-0" apart c/c
Special Three Section Arches No. 2 Set 3'-0" apart c/c
2'-0" c/c
15'/16'x12' 3'-0" c/c
Single Stanchions R.S.J. 12"x6"x12'-6"
Single Carriers R.S.J. 15"x6"x16'-0" between stanchions
Special channels to be constructed around Loading Point to drain water into sump
O5
O6
O7
9" Brick retaining wall
Concrete Lip
8824·7' Projected
30" BELT CONVEYOR
Bunker
Existing floor level
4'-0"
ELEVATION B-B
12'/12'-10"x9' Arches
15'/16'-3"x12' Arches
8"x6"x14'-0" Channels
8824·7' Projected
Special Frame
Siltstone
Shale with Ironstone bands
Black Shale COAL 5'-2" Cooly Shale
Fireclay with Ironstone nodules
Sandy Shale with Ironstone bands
Sandstone
Sandy Shale
Sandstone with Ironstone bands
PROJECTED STRATA SECTION
Proposed Construction of Bunker
Frames Set 3'-0" c/c 6"x4.5"x9" square internal
132'-3" AT 1 IN 0.4977
63°-32'
Cooly Shale
Rough Seven Ft. COAL ? 2'-11"
Fireclay with Ironstone nodules
Chute
Special Frame
R.S.J. 10"x6"
R.S.J. 15"x6"x16'-0" between stanchions
R.S.J. 12"x6"x12'-6"
R.L. 8692·00'
F.L. 8690·83'
BANBURY / MOSS CRUT
ELEVATION A-A
2200 Yds. to Hesketh Shaft
Hams
'Ten Feet'
Hesketh Main Crut – Intake
Hesketh Back Crut – Return
Proposed Crushing Plant
Banbury/Moss Crut – 8692' – Return
Proposed Bunker
PLAN – SCALE: 1-2500
Moss
Proposed Bunker
Hesketh Main Crut
R.7' C. ? 2'-11"
Hams
Banbury/Moss Crut
8692·0' Level
ELEVATION
LEVELS RELATIVE TO DATUM 10,000 FT. B.O.D.
JOB NOS. SHEWN
PROJECTED LEVELS SHEWN
NATIONAL COAL BOARD
WEST MIDLANDS DIVISION No. 1 NORTH STAFFS: AREA
CHATTERLEY WHITFIELD COLLIERY
8690' Horizon – Proposed Dirt Preparation Plant
Proposed Dirt Bunker
DRAWN BY A.A.L.
TRACED BY A.A.L.
CHECKED BY A.A.L.
PASSED BY
SCALE 8 Ft. to 1 Inch
DATE JANUARY 1960
AREA PLANNING
DRAWING No. 1433/50



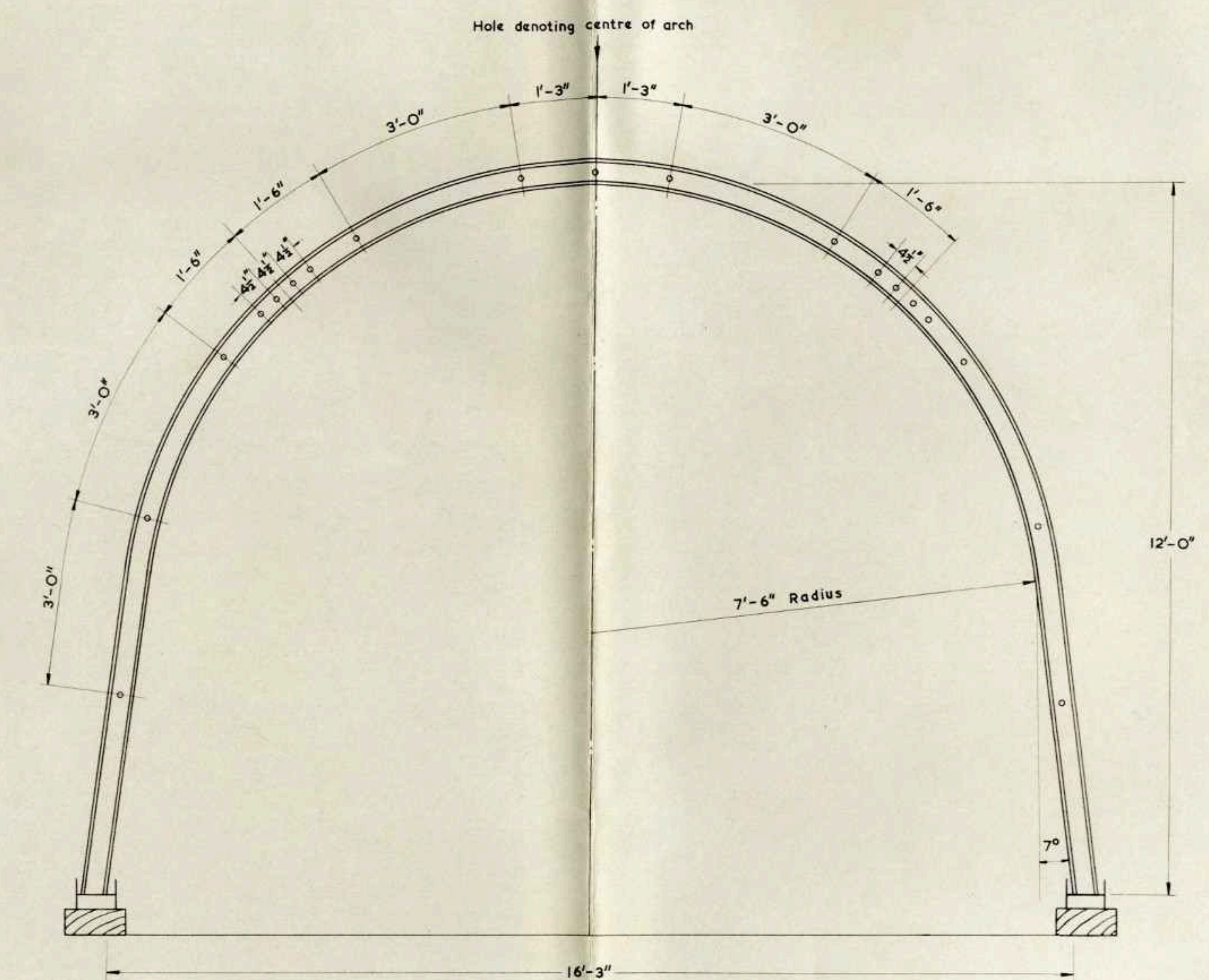
12 FEET ARCH

12'/12'-10"x9' ARCH
CONSTRUCTED OF 4"x4" R.S.J.
15·5 LBS. PER FOOT



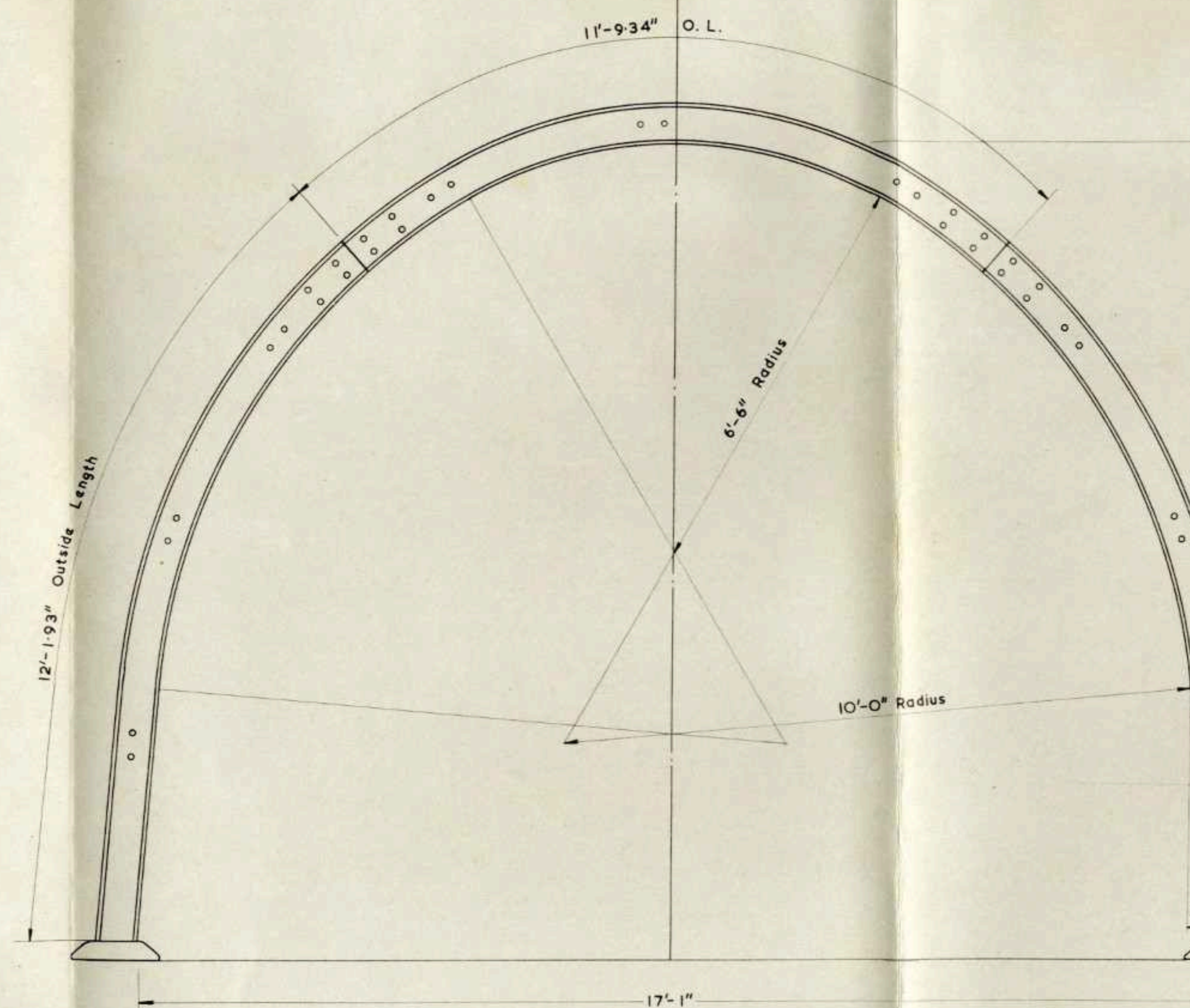
14 FEET ARCH

14'/14'-10"x10' ARCH
CONSTRUCTED OF 4"x4" R.S.J.
15·5 LBS. PER FOOT



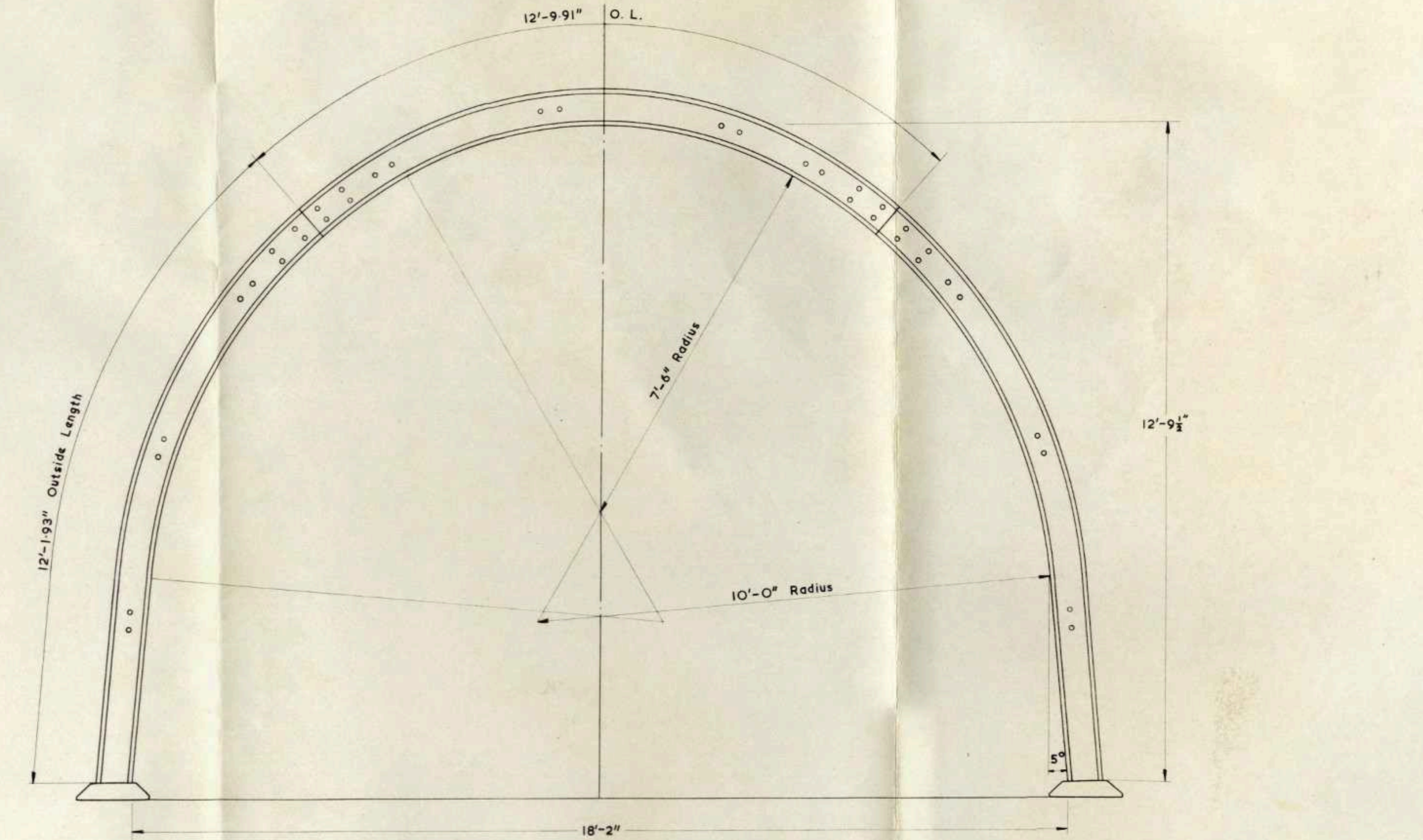
15 FEET ARCH

THREE SECTION ARCH 15'/16'-3"x12'
CONSTRUCTED OF 5"x4½" R.S.J.
18·5 LBS. PER FOOT



SPECIAL THREE SECTION 'JUNCTION' ARCH – Nº 1

16'-4"/17'-1"x12'-8" ARCH ON SPECIAL FOOTSAUCERS
CONSTRUCTED OF 8"x6" R.S.J.
35 LBS. PER FOOT



SPECIAL THREE SECTION 'JUNCTION' ARCH – Nº 2

17'-6"/18'-2"x12'-9½" ARCH ON SPECIAL FOOTSAUCERS
CONSTRUCTED OF 8"x6" R.S.J.
35 LBS. PER FOOT

DRAWING BASED ON: North Staffs. Area Standard Arches, Drg. Nº 761 S/113
Special Three Section Junction Arches, Drg. Nº 695/5

NATIONAL COAL BOARD WEST MIDLANDS DIVISION No. 1 NORTH STAFFS: AREA			
CHATTERLEY WHITFIELD COLLIERY 8690' Horizon – Proposed Dirt Preparation Plant Arch Dimensions			
DRAWN BY TRACED BY CHECKED BY PASSED BY	A.A.L. A.L. A.A.L.	SCALE ½ Inch to 1 Foot DATE JANUARY 1960	AREA PLANNING DRAWING N 1435/50


8690' DIRT PREPARATION PLANT
PROPOSED GENERAL LAYOUT
PROJECTED STRATA SECTION
ELEVATION B-B
LOCATION PLAN SCALE 1:2500
ELEVATION C-C
ELEVATION D-D
ELEVATION E-E
ELEVATION A-A
BANBURY / MOSS CRUT
NATIONAL COAL BOARD
WEST MIDLANDS DIVISION No 1 NORTH STAFFS AREA
CHATTERLEY WHITFIELD COLLIERY
8690' Horizon - Proposed Dirt Preparation Plant
General Layout
DRAWN BY A.A.L.
TRACED BY A.L.
CHECKED BY A.A.L.
PASSED BY
SCALE
8 Ft. to 1 Inch
DATE
JANUARY 1960
AREA PLANNING OFF
DRAWING No.
1436/50