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ll, Market Place, SPALDING.

17th January 1940

Chairman, Chairman and Lords and Members of the River Welland Catchment Board. Gentlemen,

Drainage Board and order that 14th December, South Fen Counter Drain Scheme, as this seemed most suitable to all Mr. Taverner and I employed the interval in working on data of Taverner of the Deeping Fen, Drainage As instructed in November last, I arranged a meeting no more Certain owing to Mr. Simpson's inability to attend before, time should be wasted than was necessary. Board. Mr. Simpson, Consulting Engineer to suggestions This meeting did not and explanations were Spalding and Pinchbeck Internal take place until prepared the Bourne in

Simpson put forward, were as follows expressed difficulties, cost and dangers very little discussion. were  $\omega$ brushed aside by the Bourne South Fen Engineer, and he determination to pump direct into regret to have to report that The reasons for his attitude, of such a scheme were dismissed our suggestions and the River Glen. Mr.

- (a) drainage. was the natural way for Bourne South
- (b) That it was the cheapest way.
- (0) That it was in accordance with Mr. Latham's recommendation.

approximately 10 inches below the land level in Bourne South Fen. Glen was nearly 5 would represent the lowest possible level of the River Glen bottom River Bourne South Fen could never have been drained naturally into the other words, the ordinary Summer level of the water in the River difference Glen. point, In reply Watt's Sir Gilbert Heathcote's Tunnel and in levels would be increased to some 12 feet above the average of field spots taken -v- W.C.B. that to these points it was maintained according Case investigation. to levels taken top 5.66 O.D. Liverpool in 1938, was In flood time that feet

from being the cheapest method of draining the Bourne South Fen. With regard to reason (b) it was pointed out that far

the acres Glen Of potential drainage area was called upon to meet scheme would prove most expensive if this Board of 3,000 the cost of.

- (1) Piling ling the River Glen through the Pinchbeck bottle neck 'provide a channel with adequate depth and Section for discharge of extra waters. to the
- (2) The for :raising with the and strengthening necessary purchase of both banks of e of land through the River G theseverals Glen
- (a) The widening of the bank and to the gi ve Bank base commensurate with the give a stronger bank slope and raising Of
- (b) for the procuring of spoil.

and widening would Vernatts Drains could be widened (Here present great difficulties.) H° would be an advantage if necessary to say thet but the any Counter such Glen

bе his disposal, January flood some pumping Deeping Bourne following stopped S extent bе of conditions, and twelve South Fen Drainage Fen in a 1939 was He into the extended; and the banks which might short Taking by also flood local but hours, but, the duration, would become tired. gave possible unfavourable tidal period was given also to prove what happend under Mr. Glen it end even then he was very guarded in his recommendat-Catchment knowledge and facts Simpson's no alternative the possibly was argued that Mr. with a waters during the time when pumping was denger Board. point adverse river swollen with previous to means Bourne that J. S tidal to Simpson put Of Mr. South flooding be able conditions, Latham disregarded to getting Latham recommended The example of Fen S to stand that rid etc., put well favourable stressed. Of the time S S tim Burdund 00 to the t 0

S from Deeping really working perhaps the the Scheme Glen Fen. S Was meeting The suggestion for the Gravel e t being scheme side ca knowled ge Of disadvantage, for ruled seemed Sir Gilbert Heathcote's Tunnel, and his adherence Drain waters, wes considered, (the out O F to the S the pumping preclude impracticable). geography he did any of the Bourne not seem to have Of inclination the Here lands Mr. ct O no South Glen Simpson learn the Fen, Soke

ب پ from drainage, on the proposal bounded by Districts as levied the Counter Drain Scheme. Pinchbeck position cost the proportion of the failed works Hole, Of drainage the Ω Ω S no Of Gravel Drain lends between the end es However, the and Internal Drainage Board for their portion of the cost in the main features together King Street 20 the scheme. Scheme Set line through Deeping Fen, a Deeping area to reimburse Deeping Fen, an amount Engineer to instal out lends past Of Of. he would with the one fourth and two fourths below. Was Lands and the and the Deeping Fen Boundary already benefit further equal to bе on which the proposed ways and means for the meeting Swinesmeadow Drain would a pumping plant eventually Although it may Accordingly, the Gravel the t 0 The rates Board, South formation of the remaining fourth would and Bourne South Fen would be levied persuaded to solution King Н scheme suggestions were felt from the be in the Counter Drain Street River Welland and might that the expense regarded the two new Drainage for to make some notes of first districts enjoy accelerated Drains, the fail the Spalding S payment full put forward and, indeed outside Ω Ω cost bе WES Of 200 Of 0f the

Fen's Was to that gravitational pointed proportion of the Gravel Drain lands whose drainage original out Of Simpson's Of preference for the Glen Scheme) that forcing cost bу reply to his CO pumping the discharge to theforegoing (given without Board. of drainage was Counter Answering Drain would WE S this objection it the to question remain chiefl greater than Bourne prejudice South

3 Counter to the Drain strength Throughout Scheme of the μ the the main, discussions, Sir Gilbert but Mr. expressed his uncertainty Heathcote's Taverner Tunnel supported the

practical suggestions. regret that the meeting was not more productive of

I am, Gentlemen,
Your obedient Servant,

# Benefits derived from Counter Drain Pumping Scheme

## BOURNE SOUTH FEN

via Fen, saving in Double pumping Constant pump, Slipe Fen discharge of pumping costs. of waters pumped water assured abolished with consequent travelling ್ ಬ್ circle

Present head of upland waters diminished

#### DEED ING FEN

Extra revenue from lands already drained through pumping system free.

seepage is likely lower Sixth District level CO |-to occur maintained in Counter lands. through Counter Drain less Drain Bank

uplands liklihood of actions for flooding by floods through intensive draining above Gravel 6th. District

# UPLANDS AND DEEPING AREA

Hole and Park Engine Drains into Cross Deeping Fen by way of the Hallmeadow, Deeping Area would Gravel Drain District and flood waters enjoy recognized lower have steady discharge. level maintained at drainage Frognall, Drain and South through Deeplake 211

### WORKS NECESSARY

Drove Drain.

say 6250 Pumping Plant acres. at Pode Hole in Counter Drain to drain

Possible Deepening and Grading of Counter Drain. Opening of Gravel Drain.

Improvement served at O.J. PRIVATE Drains in Deeping Area which present by Public Drains O.F. the 5th. F6

of grants. Estimated Cost £10,000 of which 50% would be met out

AREAS

Bourne South Fen Gravel Drain lands. Deeping District

2996 acres 3218 " 3643 "

9857 acres

2996 acres Bourne South Fen 1/5d.	£5000 for repayment in 15 years @ $4\frac{1}{4}\%$	or	Flat rate over 9857 acres 11ad. per acre	£5000 for repayment in 15 years @ 4\frac{1}{2}%	6861 acres Rest of Area 7d.	2996 acres Bourne South Fen 1/2d.	£5000 for repayment in 20 years @ 41%	or	Flat rate over 9857 acres 94d. per acre	£5000 for repayment in 20 years @ $4\frac{1}{4}\%$	6861 acres Rest of Area 6 ad.	2996 acres Bourne South Fen 1/01d.	£5000 for repayment in 25 years @ 41%	or	Flat rate over 9857 acres 8d. per acre	£5000 for repayment in 25 years @ $4\frac{1}{4}\%$	6861 acres Rest of Area 514.	2996 acres Bourne South Fen 114d.	£5000 for repayment in 30 years @ 41%	N.O	Flat rate over 9857 acres 71d. per sore	25000 for repayment in 30 years @ $4\frac{1}{4}\%$	
	£457			£457			£376			£576			£329			£329			2293			8683	
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6861 acres Rest of Area

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