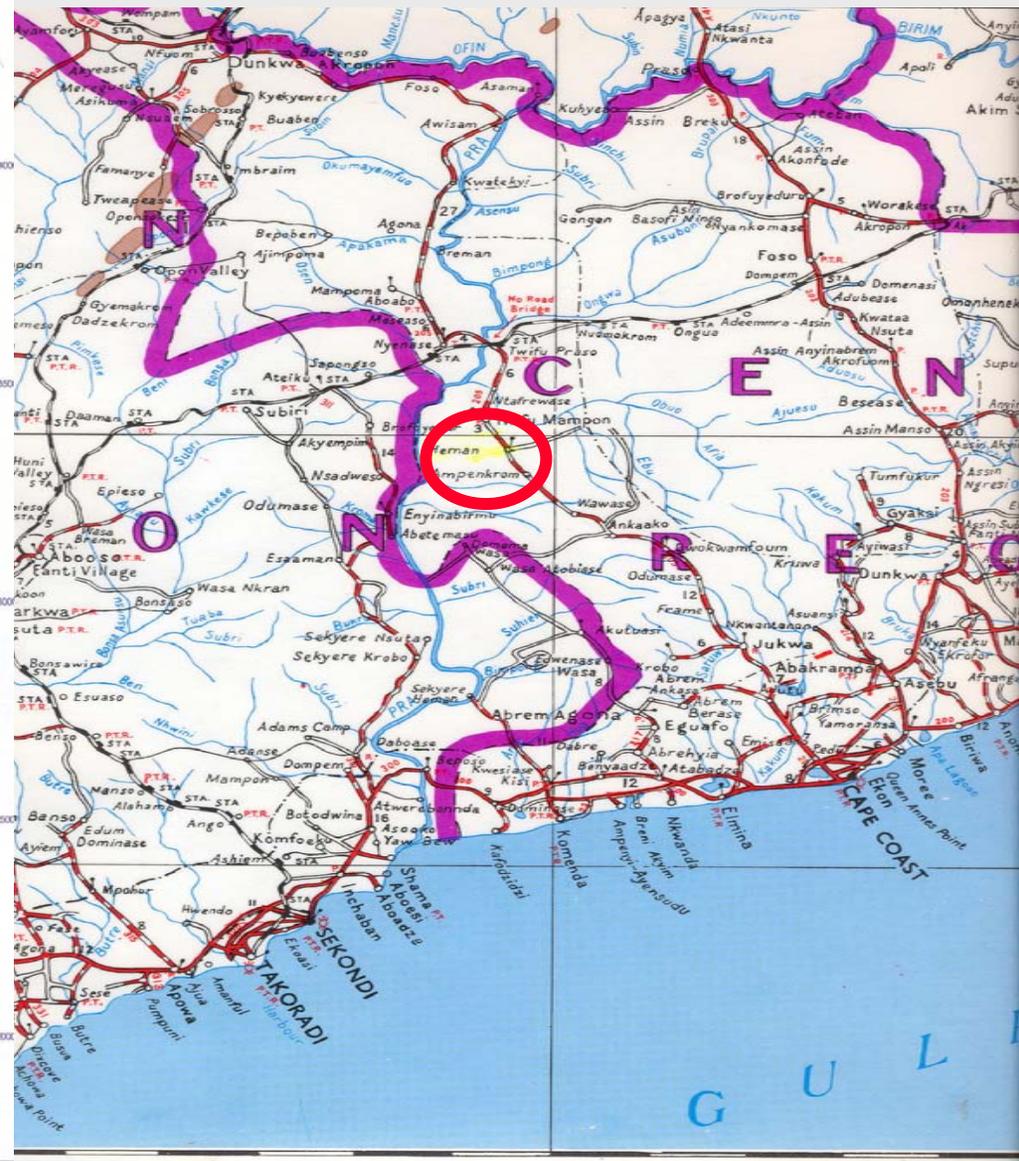
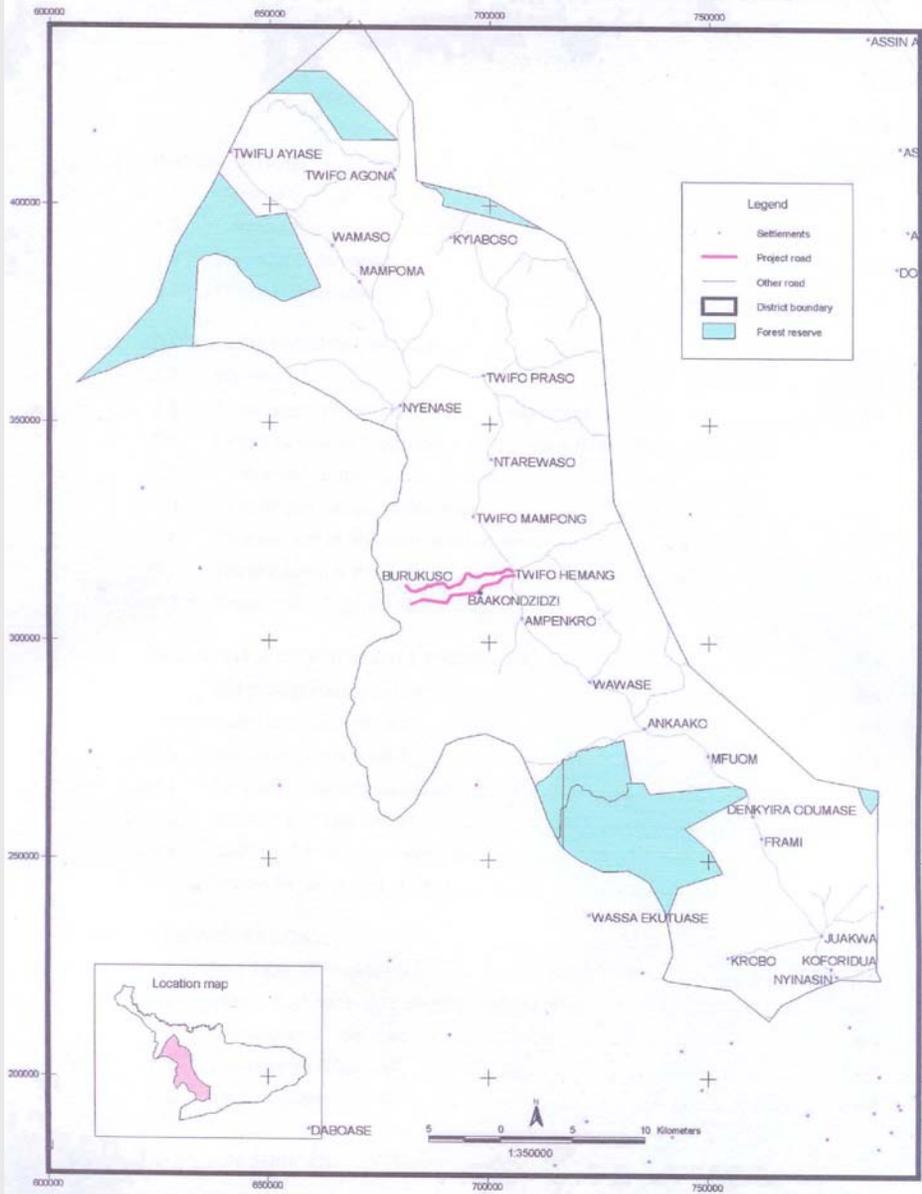




Otta Seals in Ghana.

By C. Overby, Consultant

ROAD MAP OF TWIFO HEMANG LOWER DENKYERA DISTRICT



The situation some months back





Production of aggregate for the Otta seal (III)



Production of aggregate for the Otta seal (I)



Job creation,
Poverty
reduction,
Life
becomes
meaningful

Production of aggregate for the Otta seal (II)



Before (1) and after (2)
the arrival of the power
screen

Preparation of the road base prior to sealing (I)

Lamination



Preparation of the road base prior to sealing (II)

Brooming



Preparation of the road base prior to sealing (III)

Watering



Loading of bitumen and cut-back operations (I)



Paraffin

Quality Assurance of the bitumen distributor spray bar



Sealing operations (I)

Spraying of bitumen



Sealing operations (II)

Spreading of aggregate



Sealing operations (III)

Ensuring good quality at start and end of each "pull"



Sealing operations (IV- a)

ROLLING



Sealing operations (IV- b)

*.... and ROLLING, we can never compromise
the rolling*



Sealing operations (V)

Back chipping in fatty spots



Sealing operations (VI)

*When things goes "shit"
and the head is boiling*



The road was too narrow !!



What happen with the overlap ??



*The bitumen distributor is leaking more
like a strainer basket !!*

The road was not too narrow, but the dusty aggregate make it very difficult for the driver to see when reversing the tipper trucks.



The sealing operations are completed (VII)

.... **We can go home**



The sealing operations are completed (VIII)

.... This can only be true if Team Work is applied



The sealing operations are completed

Early stage of an Otta seal, looks more like a gravel road



After care

After 8 – 12 weeks excess of aggregate is swiped off the road and collected for re-using in an other Otta Seal



Over size aggregate can ruin the final product as
holes will develop quickly.



Difference in texture due to different volume of rolling



The Final product



Thank You

