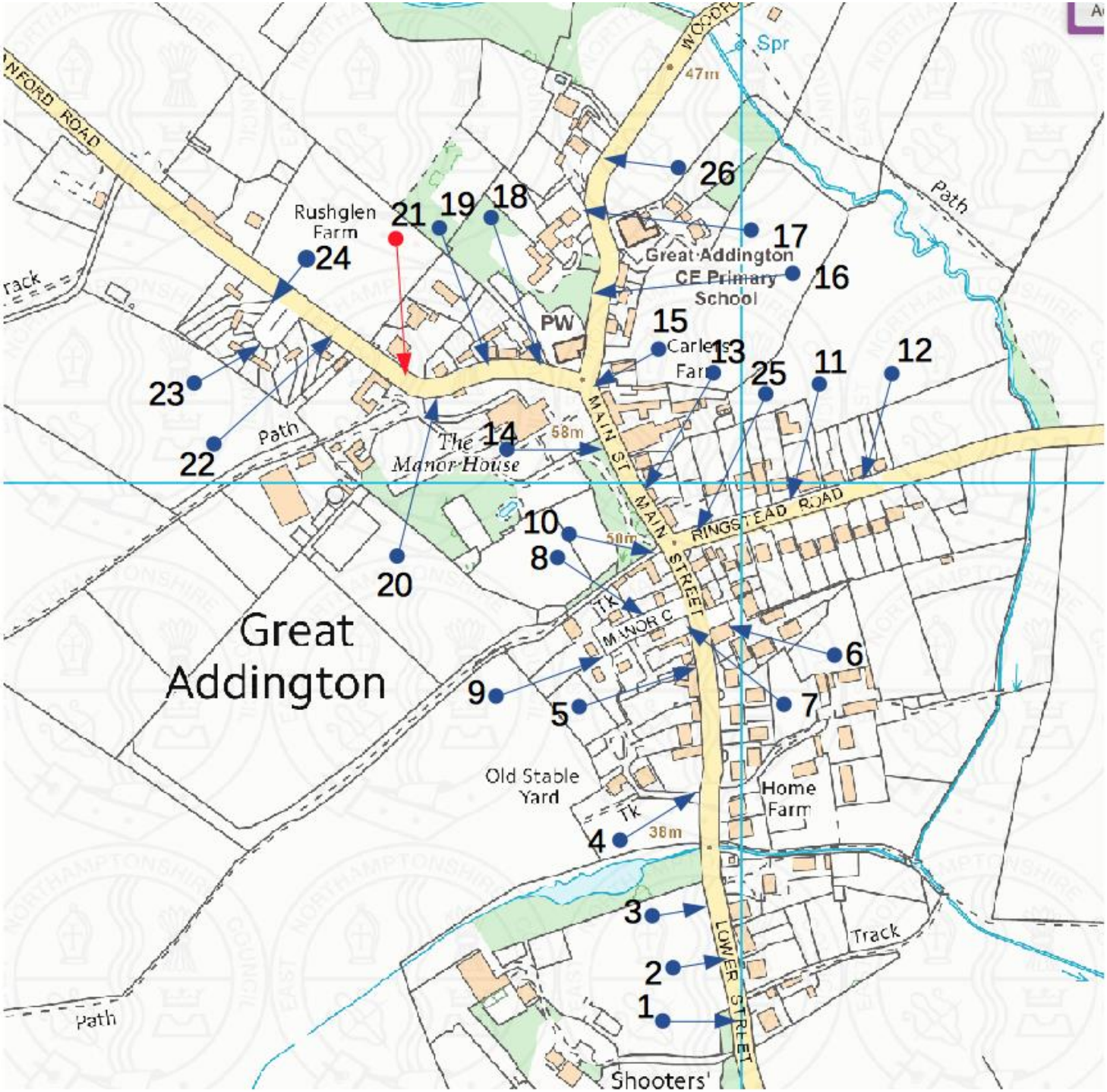
LED Street Lighting Project 2015 - 17

- Great Addington – East Northants
- Population approx 300
- Parish Council 7 seats. Part time Clerk
- Precept for 2015/16 = £8,600
- Twenty six street lights,
    - some Sodium, some Mercury
    - Various wattages between 60W and 80W


Great Addington
Rushglen Farm
Great Addington CE Primary School
The Manor House
Old Stable Yard
Home Farm
MAIN ST
MAIN STREET
RINGSTEAD ROAD
LOWER STREET
MANOR C
Tk
PW
Spr
47m
58m
50m
38m
Path
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Why change?

- Control Increasing Energy Cost (and hence reduce carbon)
  - January / March 2015 £221.18 ex VAT
  - January / March 2016 £320.51 ex VAT
- Eliminate sodium and mercury lanterns
- Replace unsafe Columns
- Reduce Maintenance costs

Two Meaningful Tenders

- 1. Replace existing 26 units with 20 LED units of 15W each - £11,650
  - After public consultation increased to £14,000 to replace 25 units

- 2. Replace existing 26 units with 26 LED units of 22W each - £16,300

Cost Savings

Estimated

Old. 26 lanterns @ 65W (avg) = £1,280

New. 25 lanterns @ 15W = £ 250

Proven

E-on Basis for unmetered supply

1st Quarter 2017 - 27.42 KW/day

1st Quarter 2018 - 4.78 KW/day

Public Consultation

- On cost / source of funding
- On number and location of lights
- Via
    - Notices attached to existing lights
    - Website
    - Parish Magazine
    - Annual Parish Meeting

Funding.

PWLB loan of £14,000

VAT funded from Reserves and reclaimed from HMRC

Repayments approx £950/yr (decreasing as capital decreases) over 20 years

Additional Savings

Pre 2015

Maintenance Contract £ 308 plus cost of parts

Post 2017

Maintenance Contract Cancelled

Lantern Manufacturer’s guarantee 10 years

Mar 2015 – GAPC resolves to investigate replacement

July 2015 – Requests for Quotations

Jan 2016 – 3 Quotes received

Feb 2016 – Oct 2016 Appraisal and Public Consultation

Dec 2016 – revised Quote from selected contractor

Jan 2017 – Order Issued with April 2017 installation target

July 2017 – Installation begins

Aug 2017 – Installation complete

Public Perception

No structured survey

General agreement quality of light improved

No adverse comments