

6/18/08

FORM NO. 08-35

TOWN OF ACTON

APPLICATION FOR PERMIT TO CONSTRUCT WITHIN A PUBLIC WAY

This application must be submitted not less than five (5) days prior to any Construction within a public way.

Notice 24 hours in advance of any construction must be given to the Town Engineer.

1. Permittee: National Grid / MSR Address: 175 Dutton St Lowell, Ma
- 1A. Telephone #: 978 375 0014
2. Location of Proposed Construction: Willow St @ Duggan Rd (179 Willow St)
3. Purpose of Construction: Install Rectifier & Rectifier pads
4. Length of Cut: 12' (Hole Aug. if possible)
5. Width of Cut: 2'
6. Width of Existing Pavement: 24'
7. Type of Existing Roadway Surface: asphalt Type of Curb: _____
8. Type of Existing Sidewalk Surface: none Type of Shoulders: 9-MSD
9. Date of Street Opening: From 6-23-08 To 9-1-08
10. For Work Involving Excavations: Dig Safe Number 20082506818

I, the undersigned, hereby declare that I have read and agree to the Town of Acton Specifications for Regulating Construction with Public Ways dated January 8, 1991. I have deposited the required bond with the Town of Acton, and I covenant and agree that the Town may deduct from this amount the cost of repairs to the road surface, curbs, shoulders, walls or other features within the right-of-way including replacing bounds if not completed by me to the satisfaction of the Town Engineer within the specified time.

Special Instructions:

Signature of Applicant: Matt Raymond

- See attached Special Conditions and plans
- ~~Requires~~ Board of Selectmen approved on 9/20/08
- copy of draft minutes attached to permit

Permit Issued: Date 10/23/08 By: [Signature]

Application Denied: Date _____ By: _____

Work Inspected and Approved: Date _____ By: _____

Special Conditions
Relating to
Permit to Construct Within a Public Way # 08 - 35
Location: 179 Willow Street

Construction Methods:

All construction shall meet the standards set forth in the **Town of Acton Specifications For Regulating Construction Within Public Ways** dated January 8, 1991.

Any sidewalk reconstruction shall be in accordance with the Architectural Access Board requirements set forth in **521 CMR**.

Inspection Schedule:

The contractor is responsible to contact the Acton Engineering Department 24 hours in advance of the start of any excavation and/or necessary inspections. (978) 264-9628

Survey Plans¹: 1167 of 1969 (Lot RA)

¹ If any survey markers (i.e. stone bounds, iron pipes, drill holes in stone walls, etc...) are damaged or destroyed during construction, the Permittee will be required to hire a registered land surveyor to reset the monuments and certify the new locations.

Road Pavement²:

2005

²The cutting of road surfaces less than 3 years old will not be permitted, unless final patching is done with infrared patching equipment.

No work is allowed to take place within the road pavement between November 15th & March 15th (Special Winter Regulations apply during these months).

Traffic:

Police Details as required by the Acton Police Department (978) 264-9638

No work is allowed to take place within the road during the AM & PM peak travel times, unless approved in advance by the Acton Engineering and Police Departments.

Public Shade Trees:

Any work within the dripline of a public shade tree (MGL Ch 87) will be subject to approval by the Acton Tree Warden - (978) 264-9629

nationalgrid

SCANNED

Engineer: Butch Vincent
Office Phone: 781-466-5188
Mobile Phone: 617-438-5192
Nextel DC: 648

CATHODIC PROTECTION WORK REQUEST

REQUESTED TO: MSFLEO CORROSI WO Number: 612843 FOUND DATE: 06 06 2008
CP SYSTEM: DACT0102 Town Code: ACT DUE DATE: 08 05 2008
REPAIR CODE: X-Install Rectifier Ground Bed PRIORITY: 5
REPAIR LOCATION: WILLOW ST, ACT
INTERSECTING STREET 1:
-
INTERSECTING STREET 2:

REPAIR REMARKS:

X-INSTALL RECTIFIER/GROUNDBED
DAC10102

DIG SAFE:

WATER:

SEWER:

CONSERVATION:

WORK DONE:

DATE COMPLETED:

INSTALL (6) 8" X 8" CANNISTER ANODES HORIZONTALLY TO A DEPTH OF TWELVE (12) FEET. INSTALL ANODES END TO END AND SPACED FIVE FEET APART. ANODES SHOULD BE PLACED A MINIMUM OF FIVE FEET OFF ROAD SHOULDER.

NOTE: WETLANDS PERMIT MAY BE REQUIRED.

(2) #8 CP ANODE CABLES CADWELDED TO GAS PIPE (INSTALLED ALONG ROAD SHOULDER) * SEE NOTE

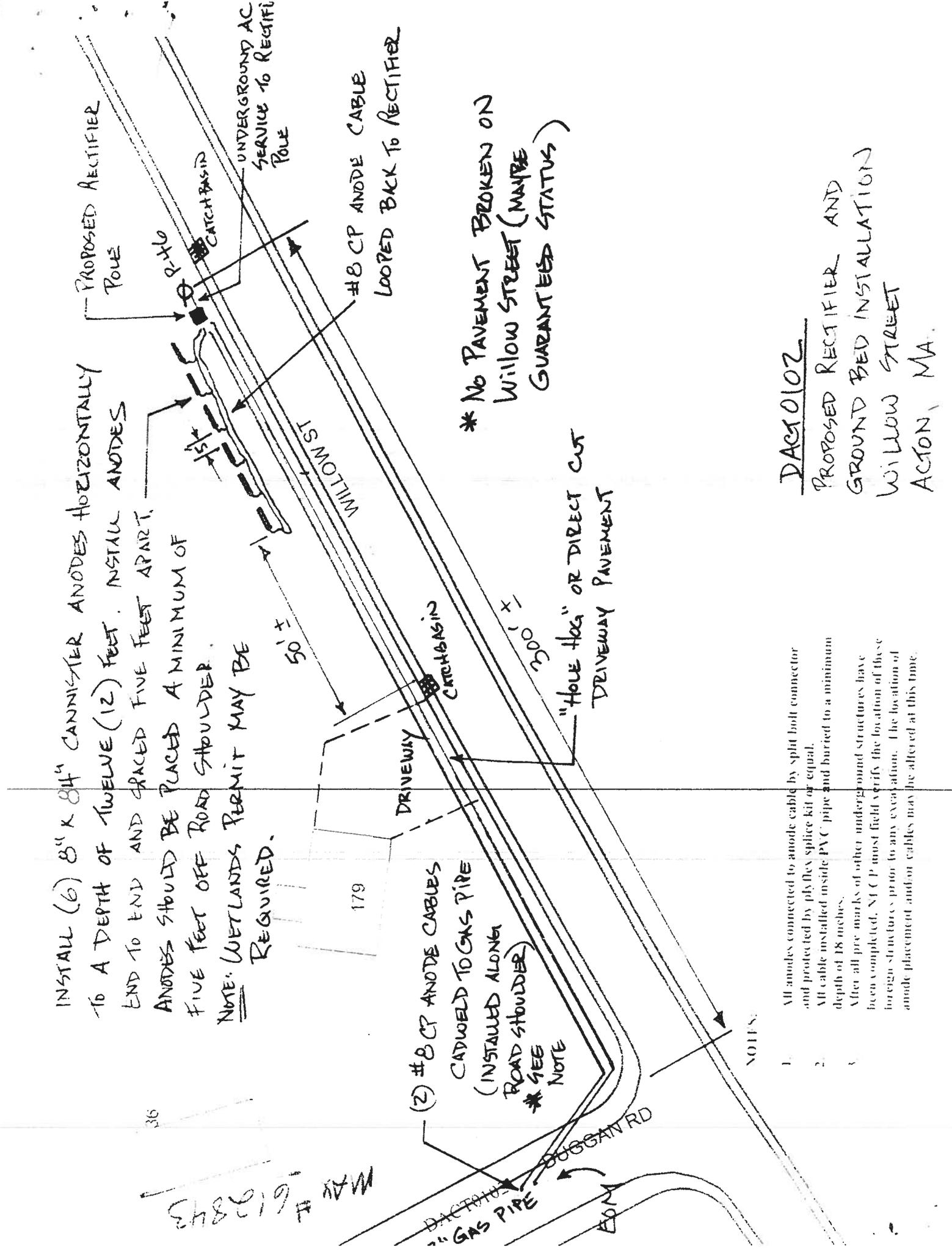
* NO PAVEMENT BROKEN ON WILLOW STREET (MAINT GUARANTEED STATUS)

"HOLE HOG" OR DIRECT CUT DRIVEWAY PAVEMENT

#8 CP ANODE CABLE LOOPED BACK TO RECTIFIER

UNDERGROUND AC SERVICE TO RECTIFIER POLE

PROPOSED RECTIFIER POLE



NOTES:

1. All anodes connected to anode cable by split bolt connector and protected by ply flex splice kit or equal.
2. All cable installed inside PVC pipe and buried to a minimum depth of 18 inches.
3. After all pre marks of other underground structures have been completed, NCP must field verify the location of these foreign structures prior to any excavation. The location of anode placement and/or cables may be altered at this time.

DACT0102

PROPOSED RECTIFIER AND GROUND BED INSTALLATION WILLOW STREET ACTON, MA.



TOWN OF ACTON
472 Main Street
Acton, Massachusetts, 01720
Telephone (978) 264-9628
Fax (978) 264-9630

Engineering Department

INTERDEPARTMENTAL COMMUNICATION

To: Steve Ledoux, Town Manager

Date: August 19, 2008

From: Engineering Department

Subject: National Grid, Cathodic Protection Work Request - Rectifier & Rectifier Pole
1.) Kinsley Road @ Kinsley Lane and
2.) Willow Street @ Duggan Road

We have reviewed the sketch of the proposed work from National Grid to install a cathodic protection facility at the following locations:

- **Kinsley Road @ Kinsley Lane @ utility pole #9 – between house #17-#21**
- **Willow Street @ Duggan Road @ utility pole #46 – next to house #179 Willow St**

I had spoken with Keyspan (now called National Grid) & their subcontractor in the past while reviewing prior request to install the same type of facility at 4 other locations in Town (Kingman Road, Country Club Road, School Street & Wood Lane). According to our discussions, this work is being proposed in order to provide corrosion protection for the existing gas mains. There are two components of the cathodic protection facility. The first part of the corrosion protection will be a 6" x 6" pressure-treated post that will be set approximately 5-6 feet from the existing utility poles. This post will be about 6-feet in height above the ground surface and will be used to attach the proposed electric meter and the mechanical devices used for the corrosion protection. We were told by National Grid that the electric wiring to the existing utility pole will be installed underground for all these units. We were also told by National Grid that they were unable to obtain permission to install these units onto the existing utility poles. As a result, they have to install these posts so that they can attach the required devices necessary for the corrosion protection. Below are photos of an existing rectifier pole located on Parker Street at the intersection of River Street:

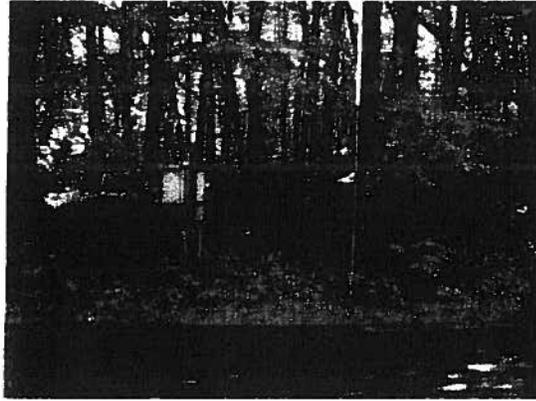


Figure 1- Existing Rectifier Pole on Parker St opposite River Street

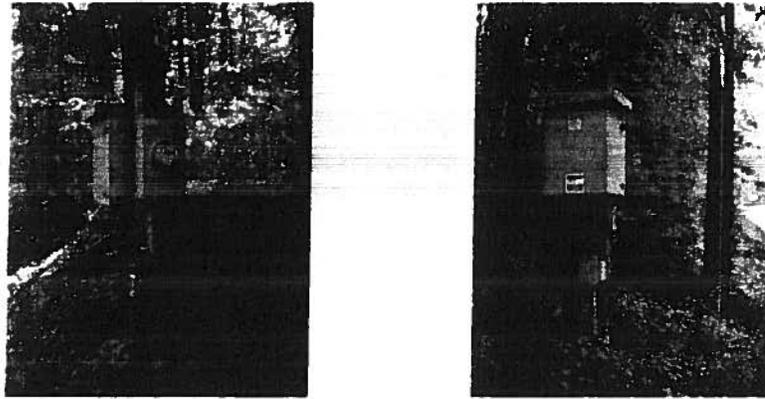


Figure 2 - Typical set-up of an existing National Grid cathodic protection rectifier pole

The second part of the cathodic protection is a series of metal rods (anodes) that will be drilled into the ground for a depth of about 35-feet. I was told by National Grid that these metal rods and the associated wiring will be entirely underground.

We recommend that the Board of Selectmen also consider the following conditions:

1. This approval is conditional and National Grid is required to relocate the facilities, at no additional cost to the Town, to accommodate future considerations by the Town such as sidewalks, etc...
2. The approval of these facilities is limited to the exact dimensions (height, width, etc) as set forth in this submittal. National Grid cannot increase the size of these facilities or add additional units without first obtaining approval from the Board of Selectmen.
3. No other facilities from other utility companies can be added onto this unit without first obtaining approval from the Board of Selectmen.
4. National Grid will install screening around these facilities, as appropriate, to obstruct the view of these units to maintain the character of the Town.
5. National Grid shall pay a fee to the Town to allow these facilities to be installed on Town property. We recommend that the Town charge a \$40 fee per location. This is the

same fee that is charged for petitions for new utility poles.

6. National Grid will be responsible to ensure that the work does not encroach onto private property. If the work is located on private property, National Grid will need to seek permission from the private landowners before they can enter upon the premises. The Town does not have the authority to grant permission to work on private property.
7. Any locations where National Grid needs to cut the road pavement to access the existing gas main should have the final pavement patch done by the "grind and inlay method" as previously used by the gas company in other locations in Town. National Grid will need to obtain Permits to Construct within a Public Way from this department prior to starting work.

We visited Kinsley Road at the intersection with Kinsley Lane and have the following comment regarding the proposed work:

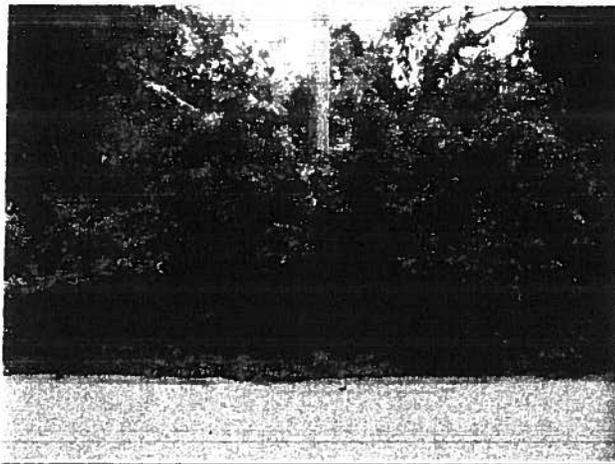


Figure 3 - UP #9 on Kinsley Road opposite house #17 & #21



Figure 4 – looking toward Kinsley Lane in front of House #17 – proposed location for anode bed

- The plans for Kinsley Lane indicate that the road layout is only 20 feet wide. The sketch from National Grid appears to indicate the edge of the road layouts for Kinsley Road and Kinsley Lane. As shown on the sketch, the proposed anodes will be located on private property owned by house #17. As stated above, if the work is located on private property, National Grid will need to seek permission from the private landowners before they can enter upon the premises. The Town does not have the authority to grant permission to work on private property.

We also visited Willow Street at the intersection with Duggan Road and have the following comment regarding the proposed work:

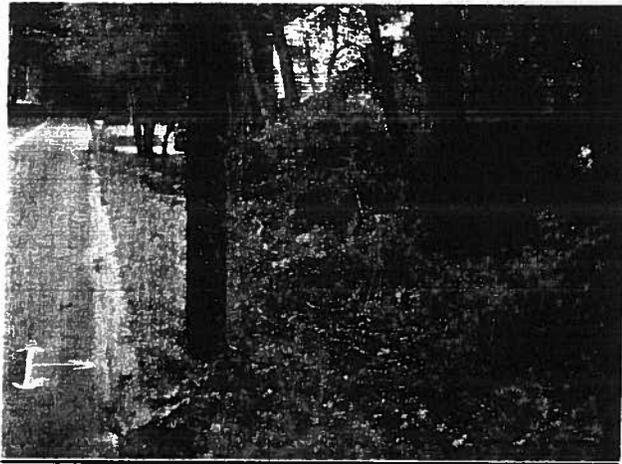


Figure 5 - UP #46 on Willow Street looking towards Duggan Road

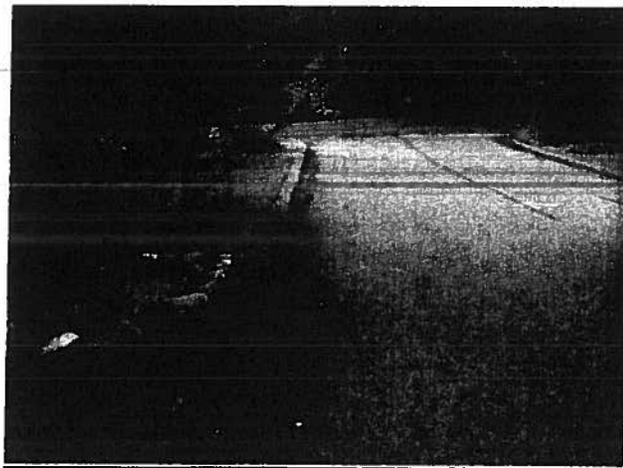


Figure 6 – Duggan Road looking towards Willow Street

- The plans for Willow Street location also seem to indicate the edge of the road layouts for Willow Street & Duggan Road. The sketch appears to show the proposed utilities on private property. If so, National Grid will need to seek permission from the private landowners before they can enter upon the premises. The Town does not have the authority to grant permission to work on private property.
- National Grid will be trenching across the driveway for house #179 & possibly the bark mulch in front of the house in order to access the gas main on Duggan Road. National Grid should repave the driveway in compliance with the Town Specifications for Regulating Work within Public Ways, and replace the bark mulch with the same type of material.

As long as the work is located on Town property, we do not foresee any problems with granting this petition. If you have any questions, or need additional information, please let us know.

BOARD OF SELECTMEN & SEWER COMMISSIONERS'

Corey York

From: Maryjane Kenney
Sent: Thursday, October 23, 2008 3:22 PM
To: Corey York
Subject: BoS Minutes draft TF Revs 2008 09 22_ADM10-8-08.doc

Corey This has been done and I did talk to Harold when he called and asked. It is not filed with the clerk because they are draft and the Board has not approved them yet. Andy has his comments in but then Terra had other changes. Hopefully at the next meeting. But yes they did approve. Maryjane

BOARD OF SELECTMEN & SEWER COMMISSIONERS'

~~PRINT~~ MINUTES

*Francis Faulkner Meeting Room,
Town Hall
September 22, 2008
7:00 PM*

Present: Chairman Lauren Rosenzweig, Selectmen Andrew Magee, Paulina Knibbe, Peter Berry, Terra Friedrichs, and Assistant Town Manager John Murray, Recording Secretary Maryjane Kenney

NATIONAL GRID RECTIFIER & RECTIFIER POLE, KINSLEY ROAD AT KINSLEY LANE AND WILLOW STREET AT DUGGAN ROAD

Installation of Rectifiers to retard corrosion on existing gas lines by installing pressure treated Poles by around the pipes. They can go to the Engineering Department for approval or they can continue to come to the Board. Chairman Rosenzweig suggested that people might want to come in for public discussion, in which case it should go to the Board. Selectman Friedrichs thought the Board should get copies directly of the work to be accomplished. The Assistant Town Manager recommends that if there are any comments from abutters then it should go to the Board. Chairman Rosenzweig said it is a utility and we cannot change anything but location. Selectman Friedrichs took notice that the boxes are getting huge and there is no screening. They could go to Design Review Board to recommend how the boxes should all look, and then Acton will look better. DRB should meet with the Engineer Department to better monitor the boxes. Selectman Knibbe has no problem with the proposal. But she is concerned with the mission creep of DRB; the scope is way too wide. She stated that we have seen no charter and their job is so ambiguous. As an advisory group it should be limited to the Board of Selectmen to comment on. Chairman Rosenzweig stated their mission is for commercial development. Selectman Magee has some of the same concerns as Selectman Friedrichs, but DRB as an advisory board could be copied and asked for comments to be sent to the Engineering Department. That being said just email us the comments to the Selectmen for the hearing. Selectman Friedrichs already gave them the opportunity to comment on these. They had no comment. This particular pole is fine. Selectman Magee moved to approve these poles and Selectman Knibbe agreed. The vote was unanimous. Chairman Rosenzweig asked if we can get better pictures in the future.