

PHASE 1 - FEASIBILITY ANALYSIS

Glendale Road, Oak Island Road & Woodland Road

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Of the entire grouping of streets the intersection of Oak Island Road and Woodland Road is in the worst condition. The intersection requires reconstruction and adjustment to the drainage structures to ensure all storm water is entering the drain system. Action at that intersection should be taken this year and will improve the overall feel of the area. Further work in the neighborhood should be undertaken after the soil profiles have been determined.

Also true to the groupings of the streets is the quality of the roadway related to gas main installation, particularly on Woodland Road and Glendale Street. Unfortunately, the condition of Oak Island Road is worse than the gas trenches, but on Glendale and Woodland, the road is in better condition than the gas trenches.

Recommended action of the 2016 season is chasing after the gas company to hold them accountable for the installation of proper final trench paving. This should include removal of the temporary trenches that exist today, cutting back into the sound parts of the existing roadway and reinstalling the patch as a permanent patch. This will drastically improve the ride of the two roads as a whole. Concurrently the City should complete soil borings along the entire roads so that the full soil profile can be examined as it relates to any potential future roadwork.

Glendale Street

At Gladys Street looking south

Road and sidewalk in decent condition. Road showing signs of settlement and cracking, as is to be expected of a road constructed on marshy land. Condition typical for this area of Revere. Sidewalks in decent condition..

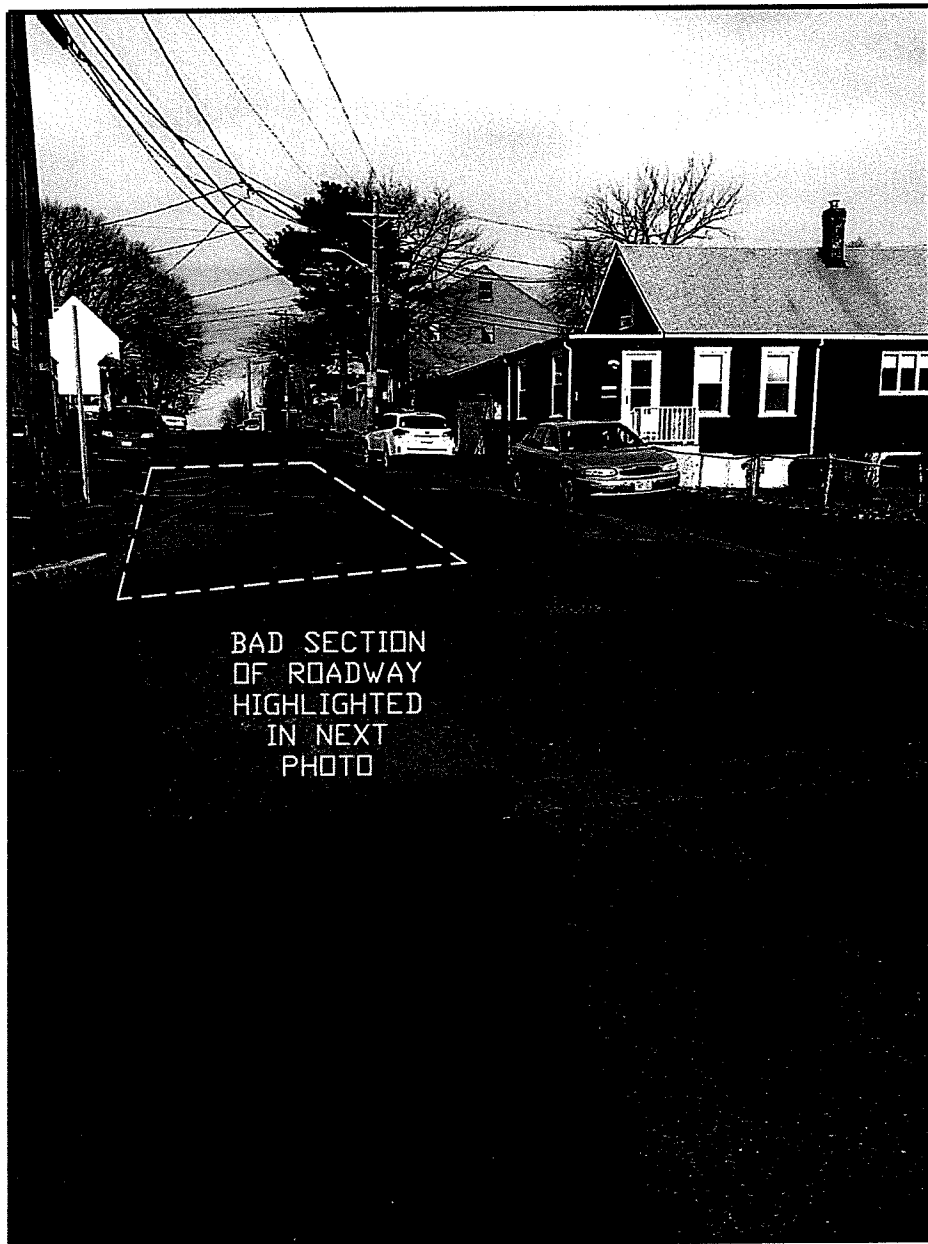


Glendale Street

At Gladys Street looking north

Road showing signs of settlement and cracking.
Condition is inconsistent on the street.

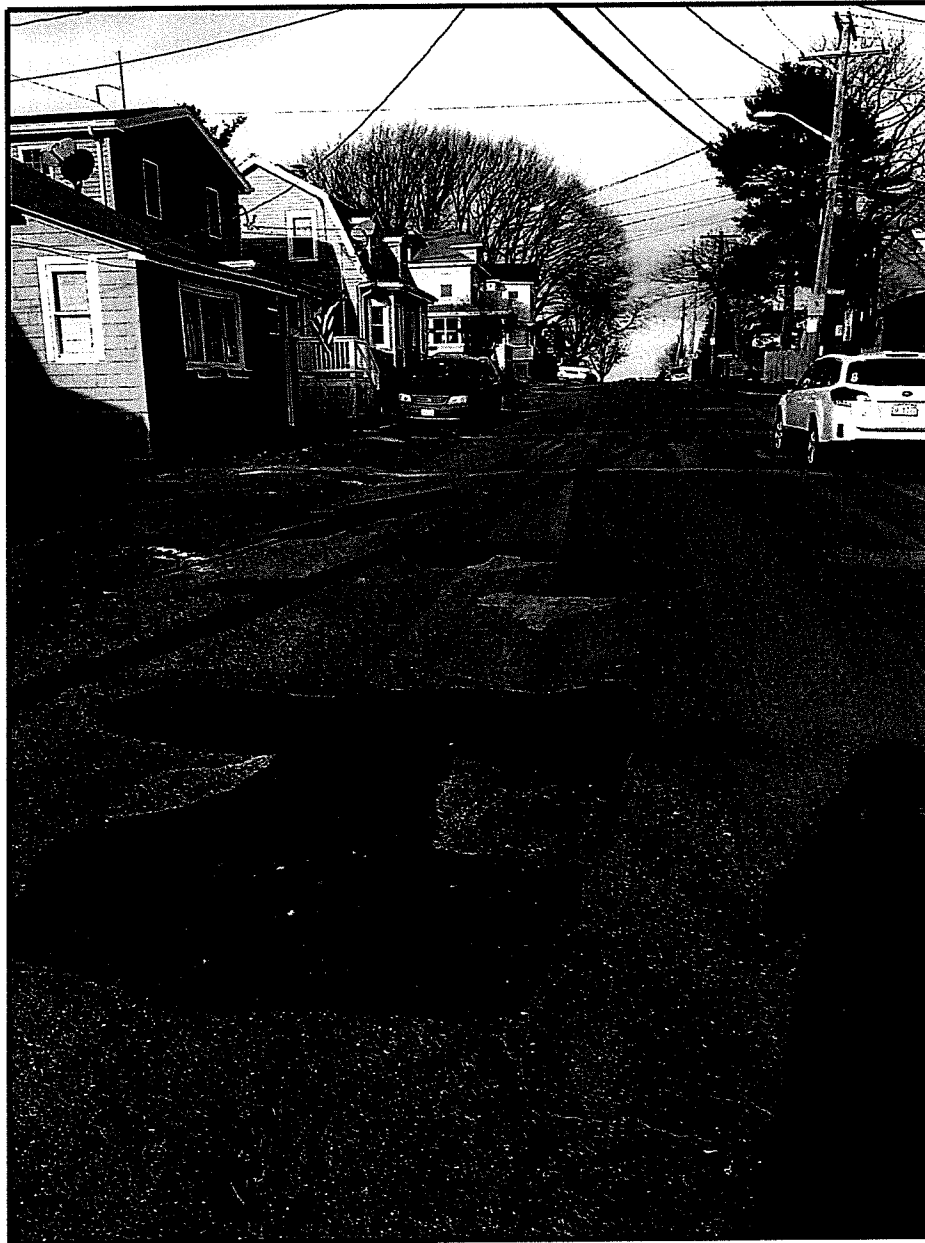
Note gas trench bisecting Glendale Road. Road
mostly in decent condition, conditions surrounding
gas trenches tend to be worse than other
locations.



Glendale Street

Continuing north on Glendale Street

Photo shows section of pavement with extensive pothole repairs, cracking and settlement. Integrity of base questionable in this location specific location. Area should be dug out and reconstructed to properly fix this condition.

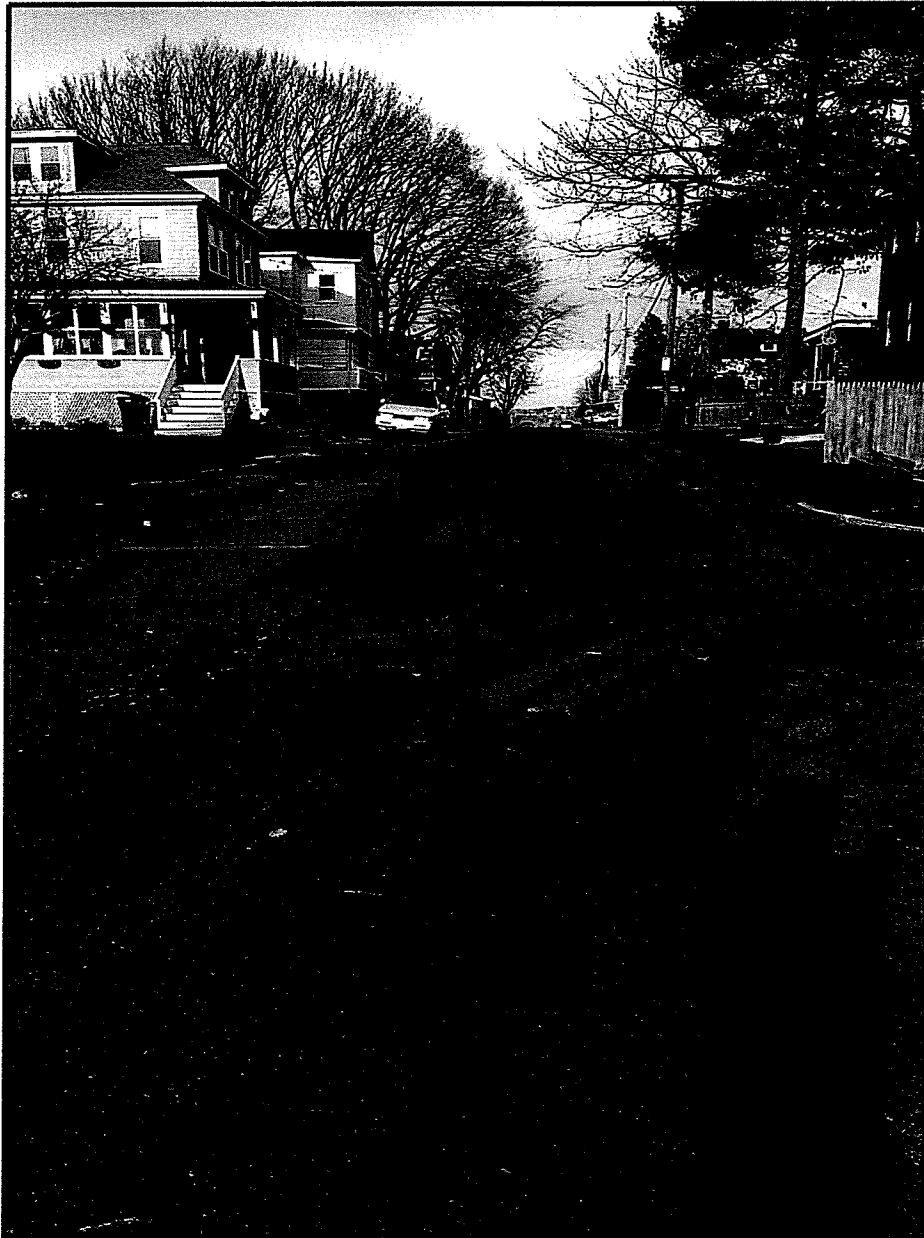


Glendale Street

At Oak Island Street looking north

Typical condition of roadway and sidewalks shown. Sidewalks have been overlaid in the past. Edges of sidewalks at the road tend to be deteriorating, typical with an overlay of this nature. Additional overlay not an option.

Note gas trench shown on the right. Condition in gutter adjacent to gas trench worsens as you continue north.

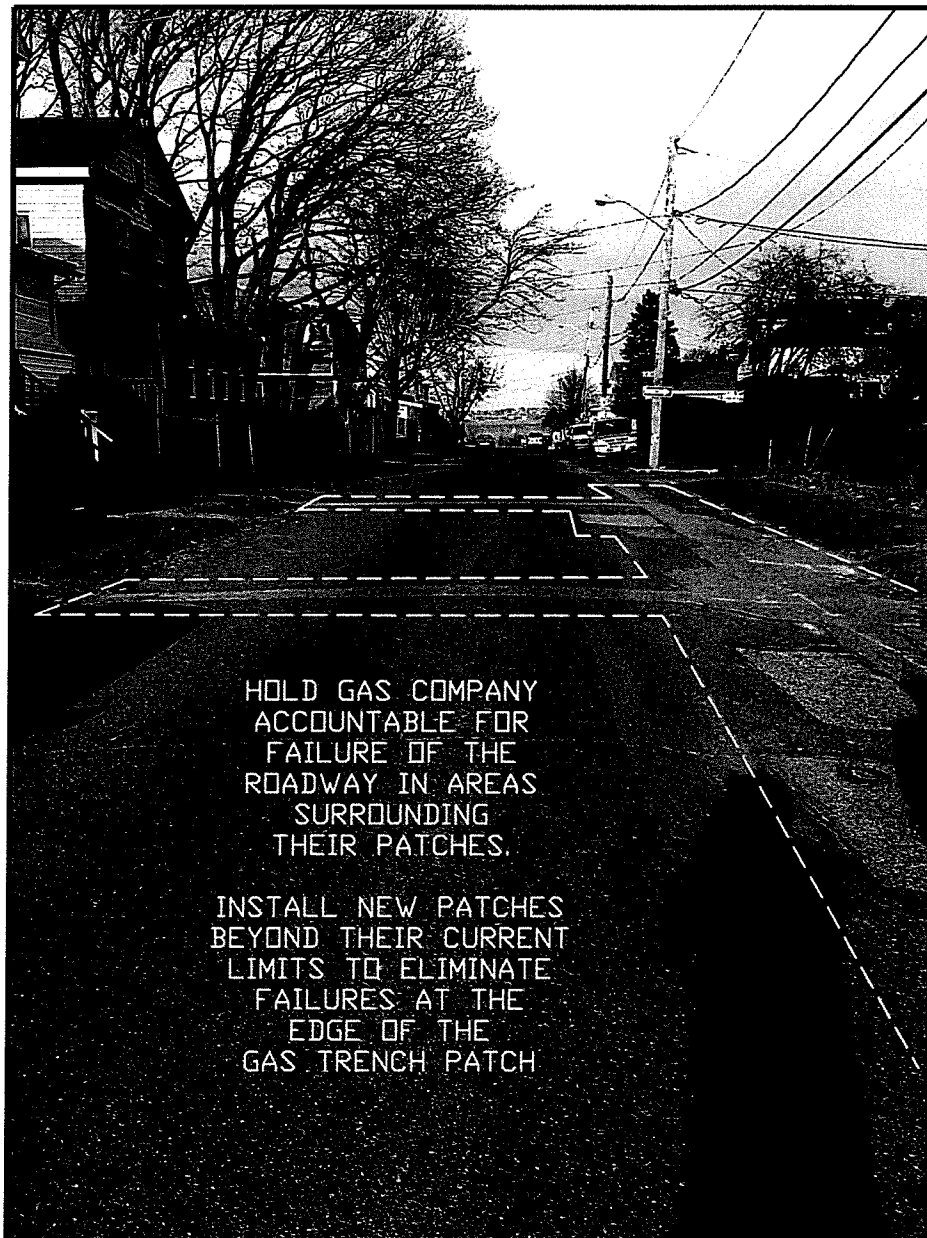


Glendale Street

Looking north towards Alice St Intersection

Roadway in fairly good condition except for the areas surrounding the gas trenches. This section of the eastern edge of Glendale St. is settling and deteriorating more rapidly than other areas.

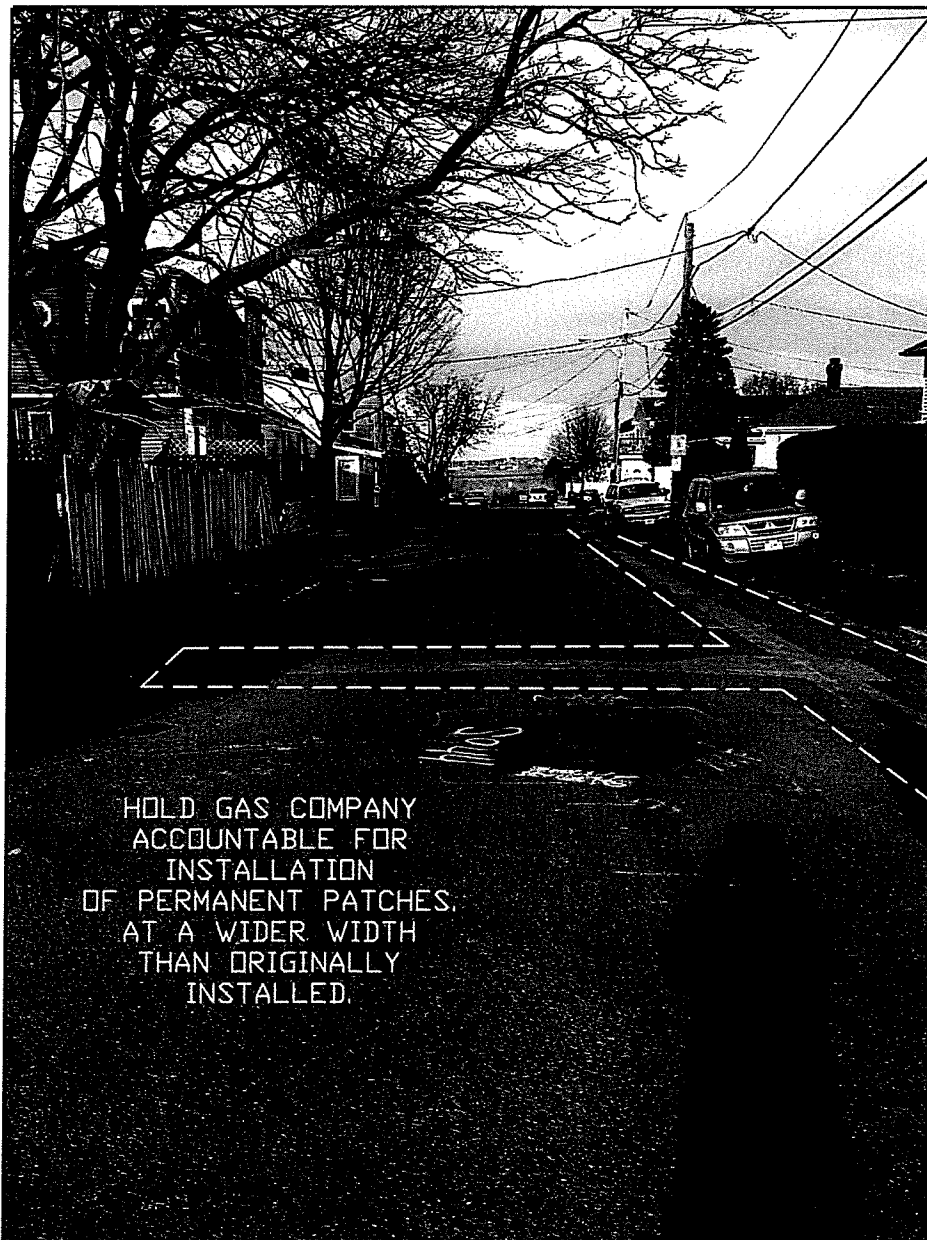
Recommend persuing gas company to replace trench patches with refreshed patches installed with cutbacks beyond the limits of the trench as shown in the photo.



Glendale Street

Looking towards Vera St.

Road mostly in good condition except for minor cracking shown. Condition surrounding gas trench patch better in this area, but still recommend persuing gas company to install cleaner permanent patches. Install new patches wider than existing patches.



Glendale Street

Looking towards Vera St.

Roadway continues to be in good condition except for the gas trench and areas immediately surrounding the trench.

Gas trench patches in this neighborhood appear to be temporary, gas company should be held accountable for install of permanent patches.



Glendale Street

At Vera Street

Manhole casting is cracked.
opening into manhole structure visible.
Casting needs to be replaced, possible
safety hazard if condition continues to
worsen.

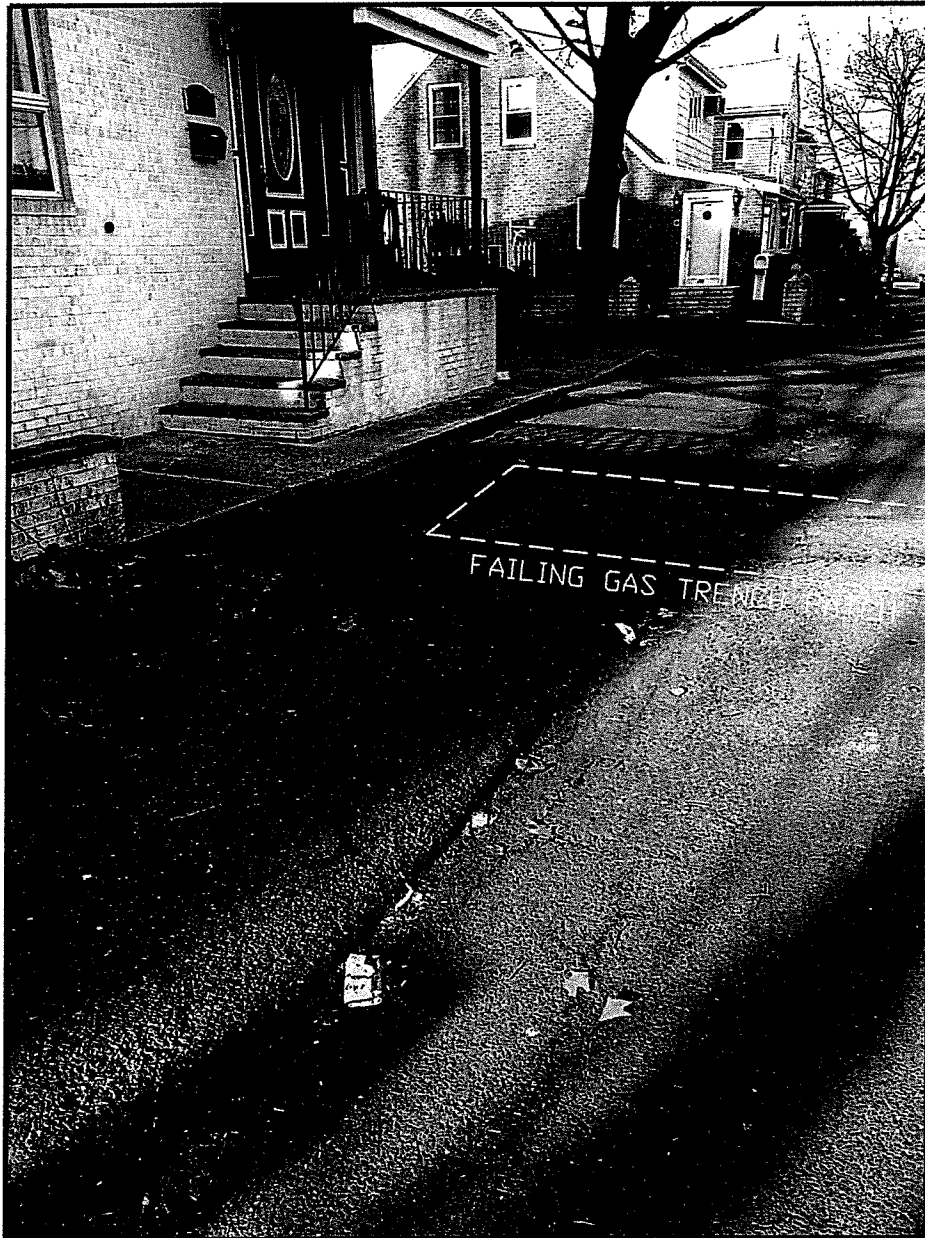


Glendale Street

Just south of Vera Street

Photo highlights section of bad sidewalk.

Note gas trenches extend beyond the roadway into the sidewalks as well and such patches show signs of settlement, typical for the neighborhood.



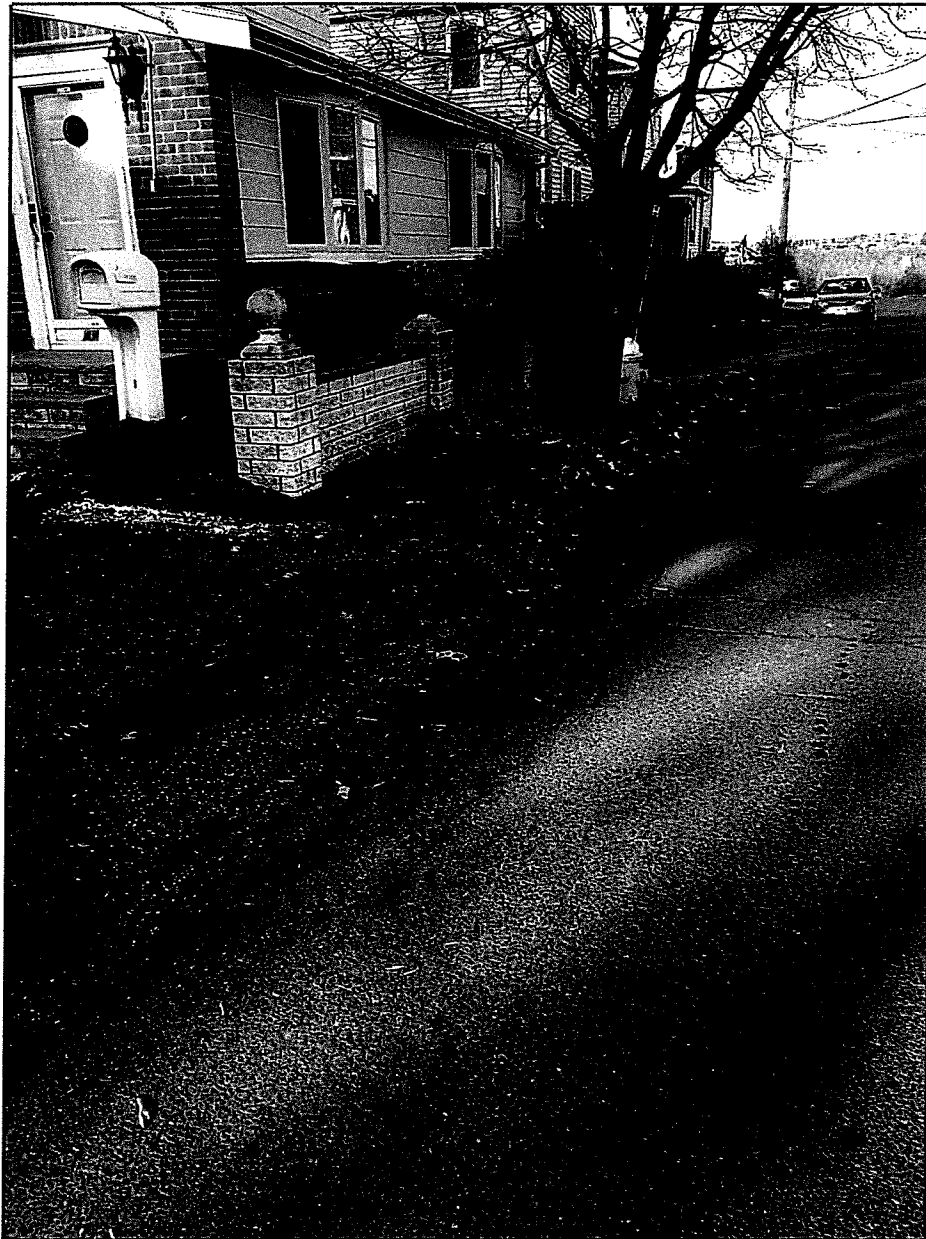
Glendale Street

Continuing north on Glendale

Poor condition of sidewalk continues.

Possibly related to drainage issue.

If asphalt deterioration is caused by standing stormwater, drainage issues should be addressed prior to repairing the sidewalks. Otherwise, integrity of the base is questionable in this location. Note alligator cracking, symptom typical of soft base material.

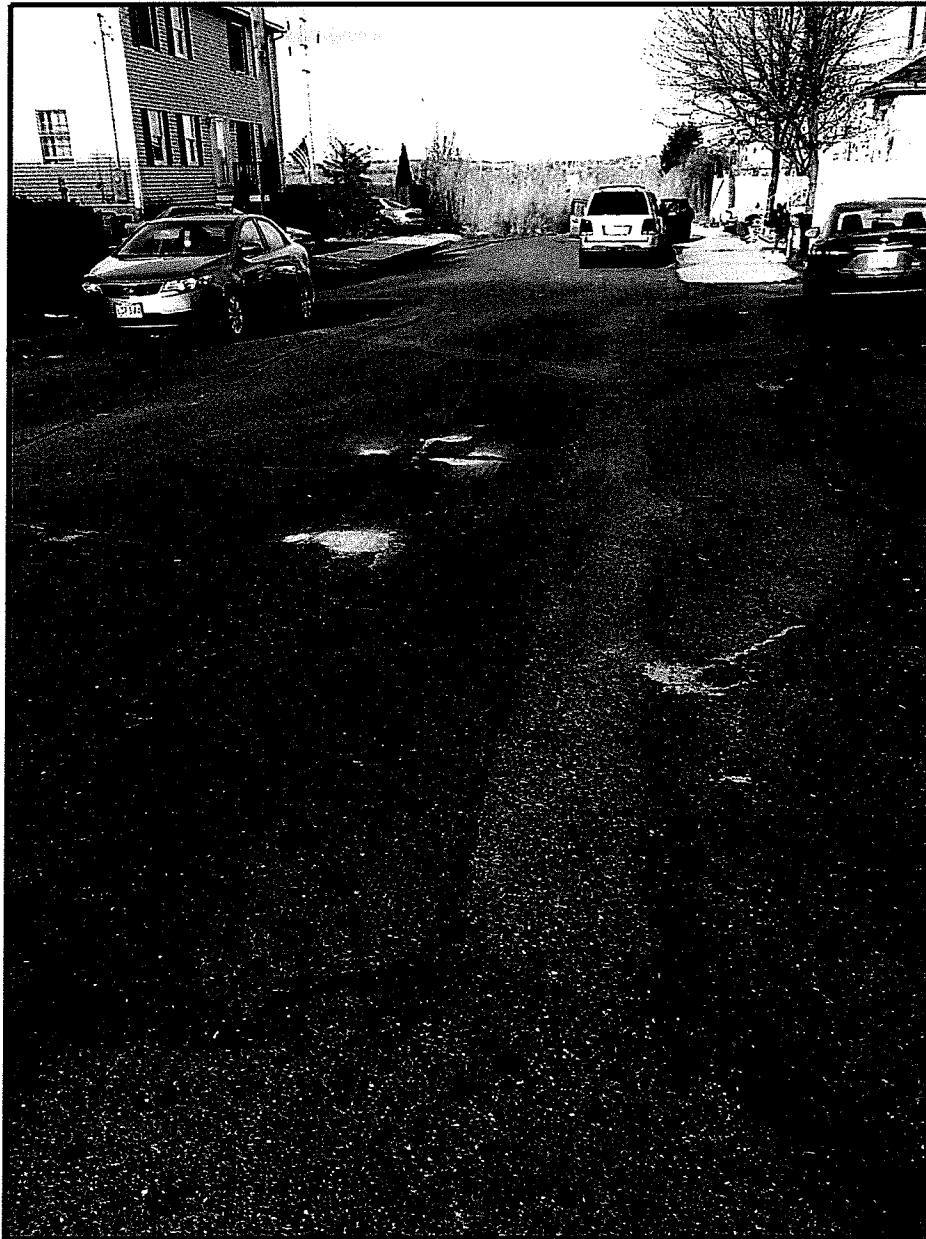


Glendale Street

At Vera looking north towards dead end.

Extensive alligator cracking at this intersection
Integrity of road base questionable.

Long term solution is excavating
area of settlement and extensive cracking
and reinstalling base and asphalt.



Glendale Street

Looking at south side of Warren Street.

Photo highlights proposed handicap ramp area. Note, back of sidewalk must drop in order to install ramp. This will cause issues at chain link fence, fence footings may become exposed, fence may require replacement after ramp is installed. Driveway apron will also likely need to be replaced to meet new grade of ramp system.



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Woodland Road

At Oak Island Road looking south

Road and sidewalks cracking and beginning to break up. Condition continues to the marsh



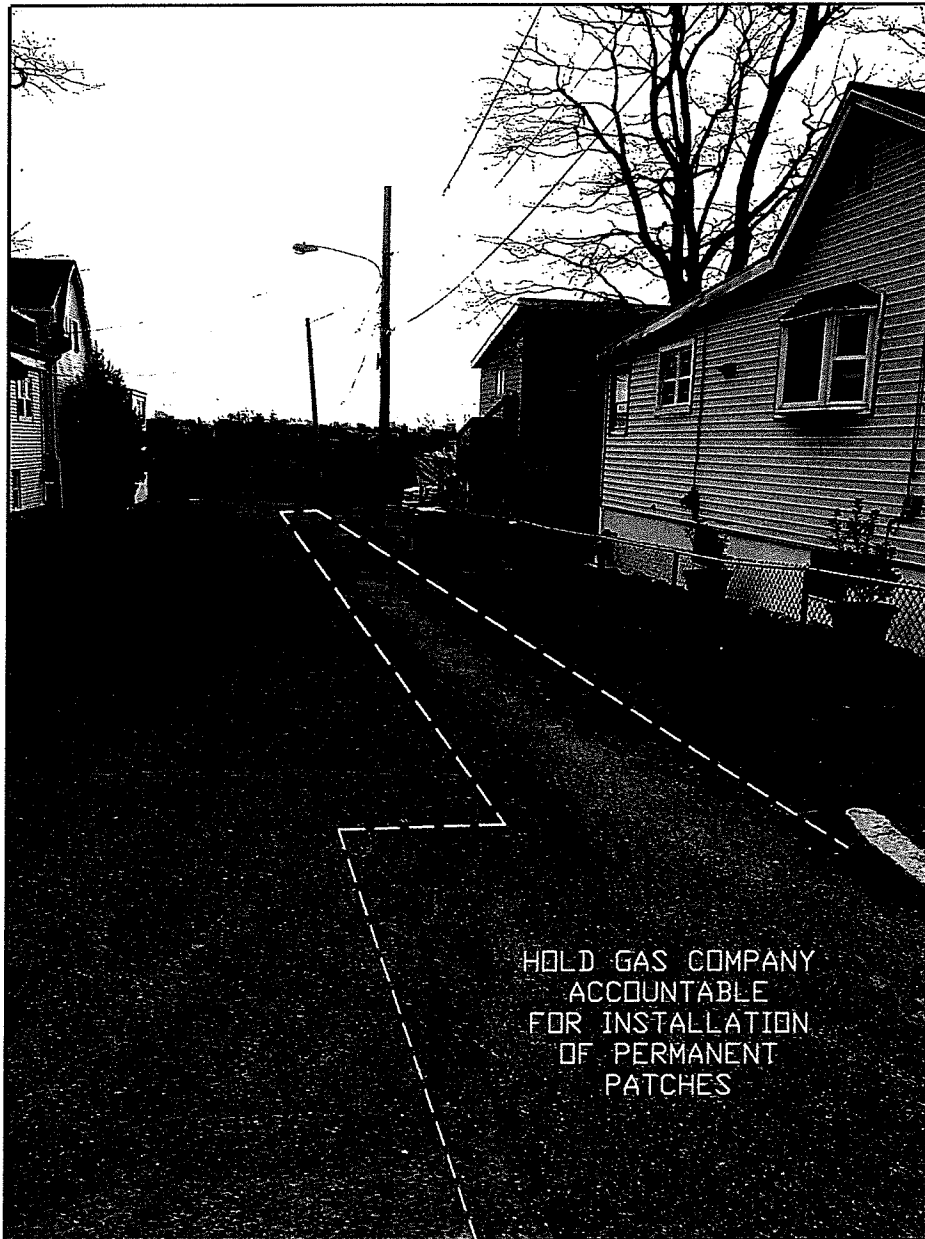
2/1/2016

Woodland Road

At Oak Island Road looking south

Roadway cracking and settling. Gas trench shown in photo showing signs of settlement.

Typical in the neighborhood, the gas company could be held accountable to cut back and reinstall their trenches. Such effort may improve the overall feel of the road in some sections.

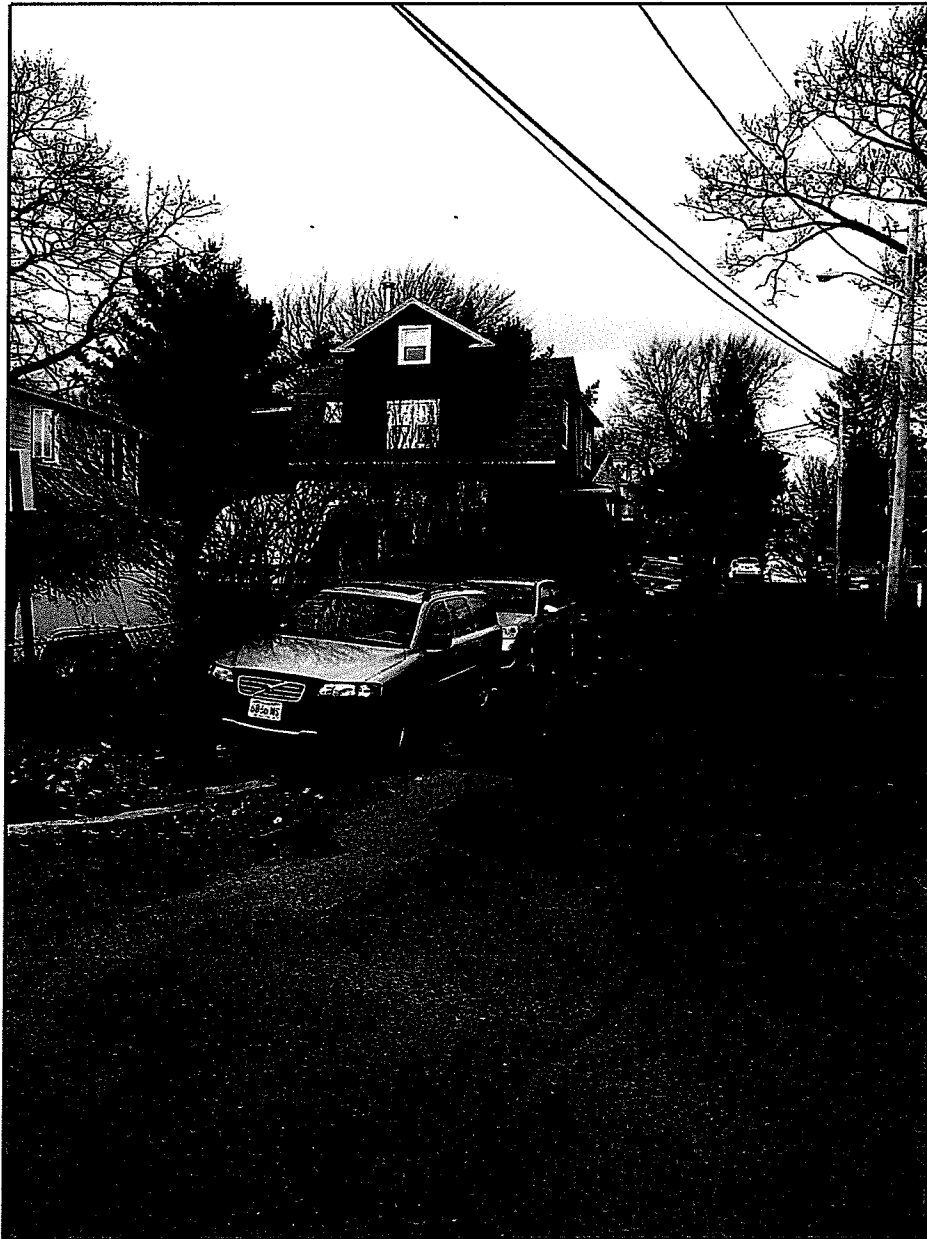


Woodland Road

At Oak Island Road looking north

Intersection of Oak Island Road and Woodland Road in very poor condition and requires reconstruction of curb, sidewalk and roadway.

Effectiveness of drainage at this intersection should be investigated.



Woodland Road

At Oak Island Road looking north

Intersection of Oak Island Road and Woodland Road in very poor condition and requires reconstruction of curb, sidewalk and roadway.

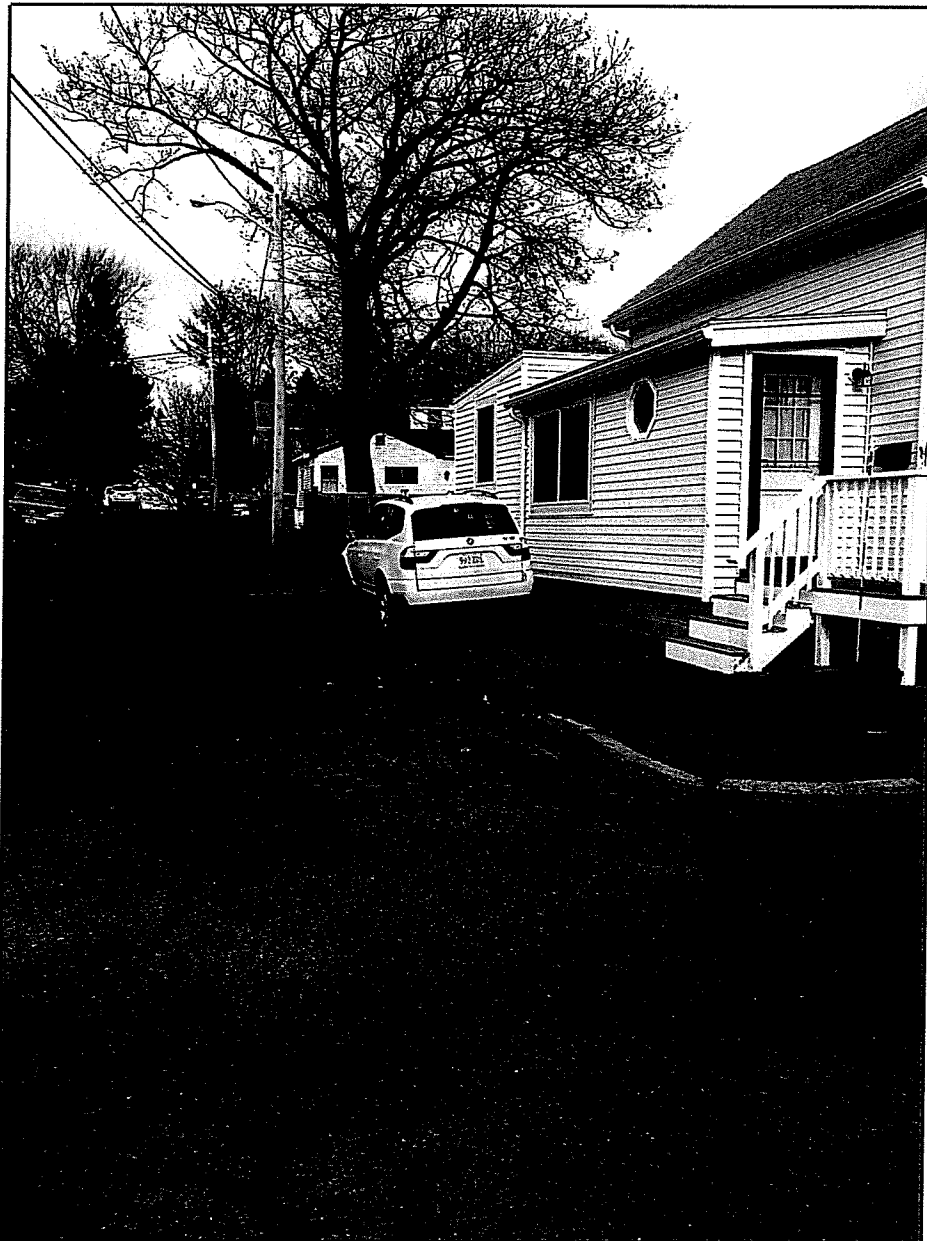
Condition of Woodland Road improves as you move beyond the intersection.



Woodland Road

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Intersection of Oak Island Road and Woodland Road in very poor condition and requires reconstruction of curb, sidewalk and roadway.



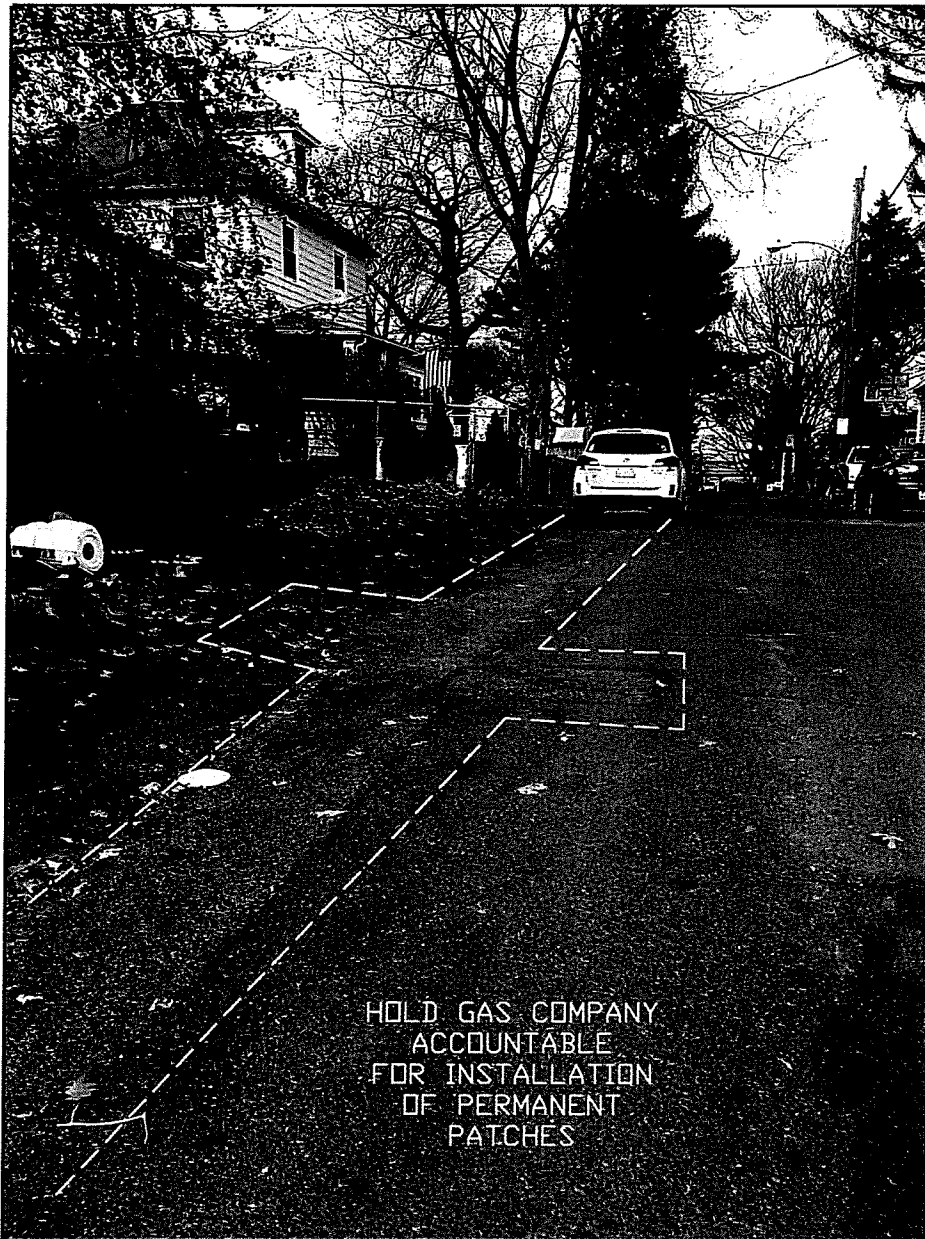
2/1/2016

Woodland Road

Continuing north on Woodland Road

Condition of the road and sidewalks improve as
you move away from the Oak Island Road
Intersection.

Road showing minor cracking and gas trench
settlement.



Woodland Road

Continuing north on Woodland Road

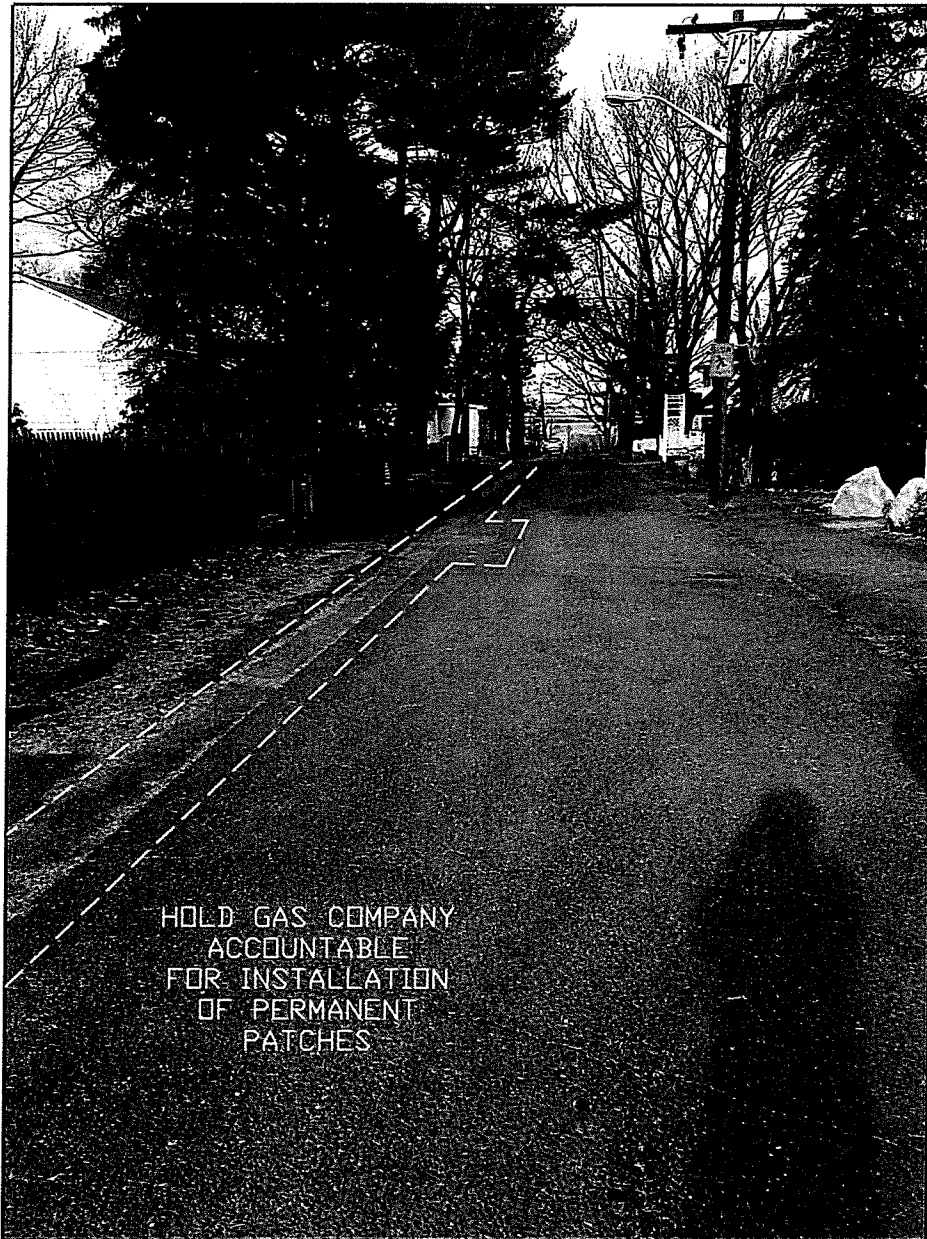
Decent condition of roadway and sidewalks continues north. Gas trench condition continues. The City of Revere should hold the gas company accountable to install permanent patches, cutting back into the roadway in the process by appx 1' to 2' on either side of the trench.



Woodland Road

Continuing north on Woodland Rd.

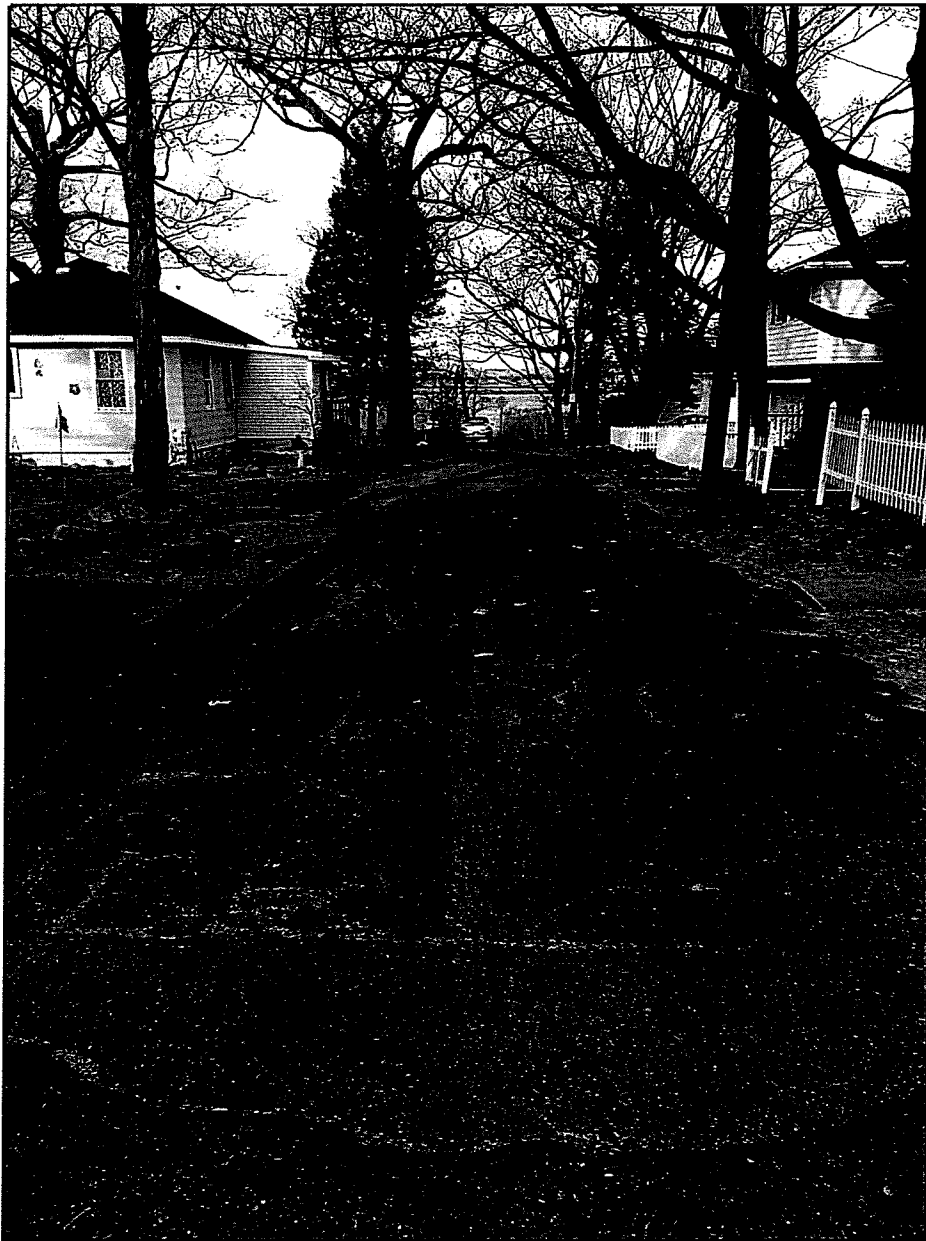
Decent condition of the roadway and sidewalks continues. Condition deteriorates at the dead end shown in next picture. Permanent gas trench patches would improve the quality of the roadway in this location.



Woodland Road

Continuing North to dead end of Woodland Rd.

Condition of the road quickly deteriorates as you approach the dead end. Roadway in worse condition than the gas trench.



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Oak Island Road

Looking northwest towards marsh

Gas trench shown in good condition compared to remained of road. Note patch shown at bottom of the picture. Alligator cracking likely to continue and road will begin to break up



2/1/2016

Oak Island Road

Looking southeast towards North Shore Road

Patch in good condition, gas trench showing signs of settlement, remainder of road breaking up and showing signs of settlement



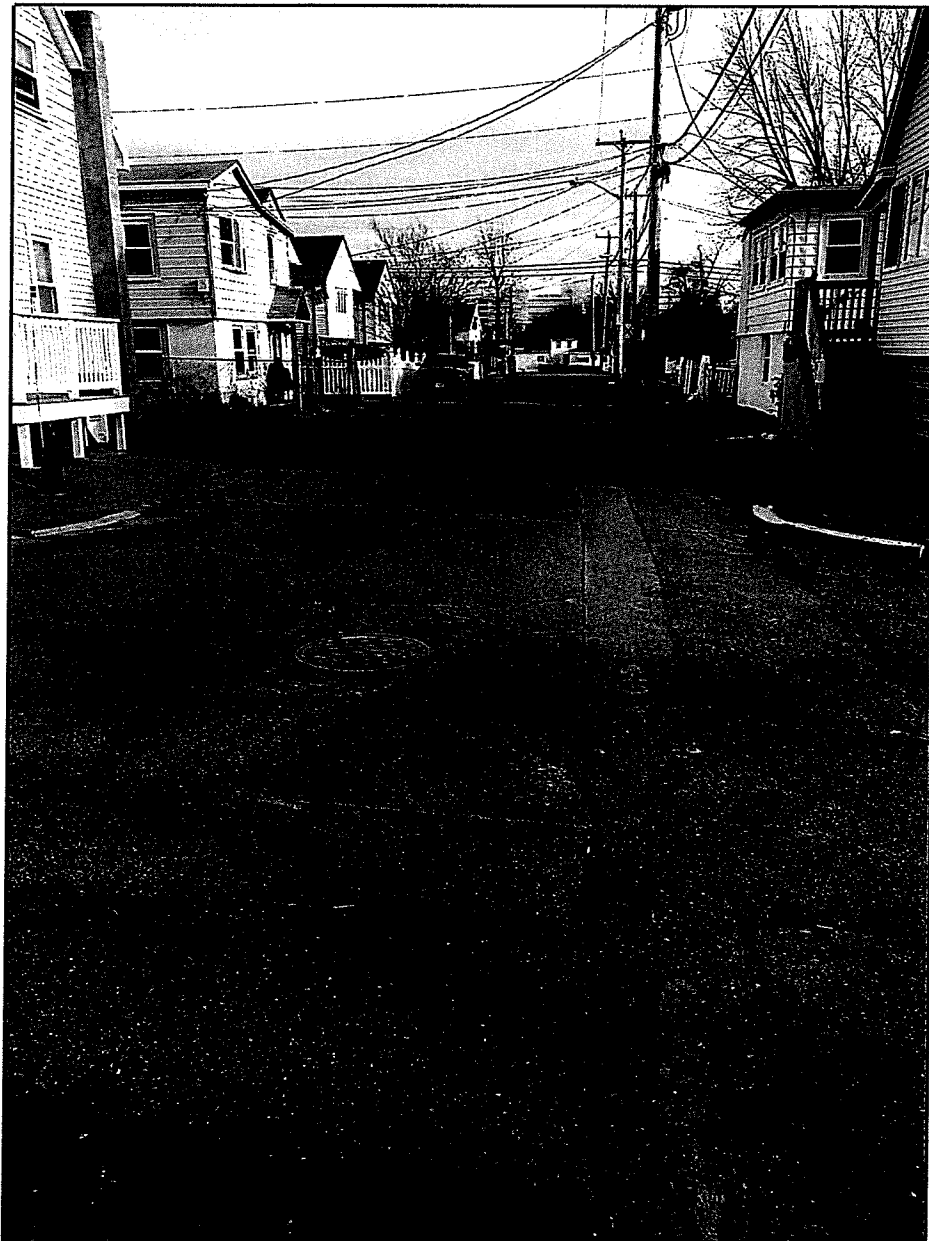
Oak Island Road

Intersection of Woodland Road

This intersection in poor condition. Curb inconsistent, pavement breaking up and settling.

Drainage exists on left side of intersection only.
Catch basins not in photo.

Asphalt sidewalks breaking up in poor condition.

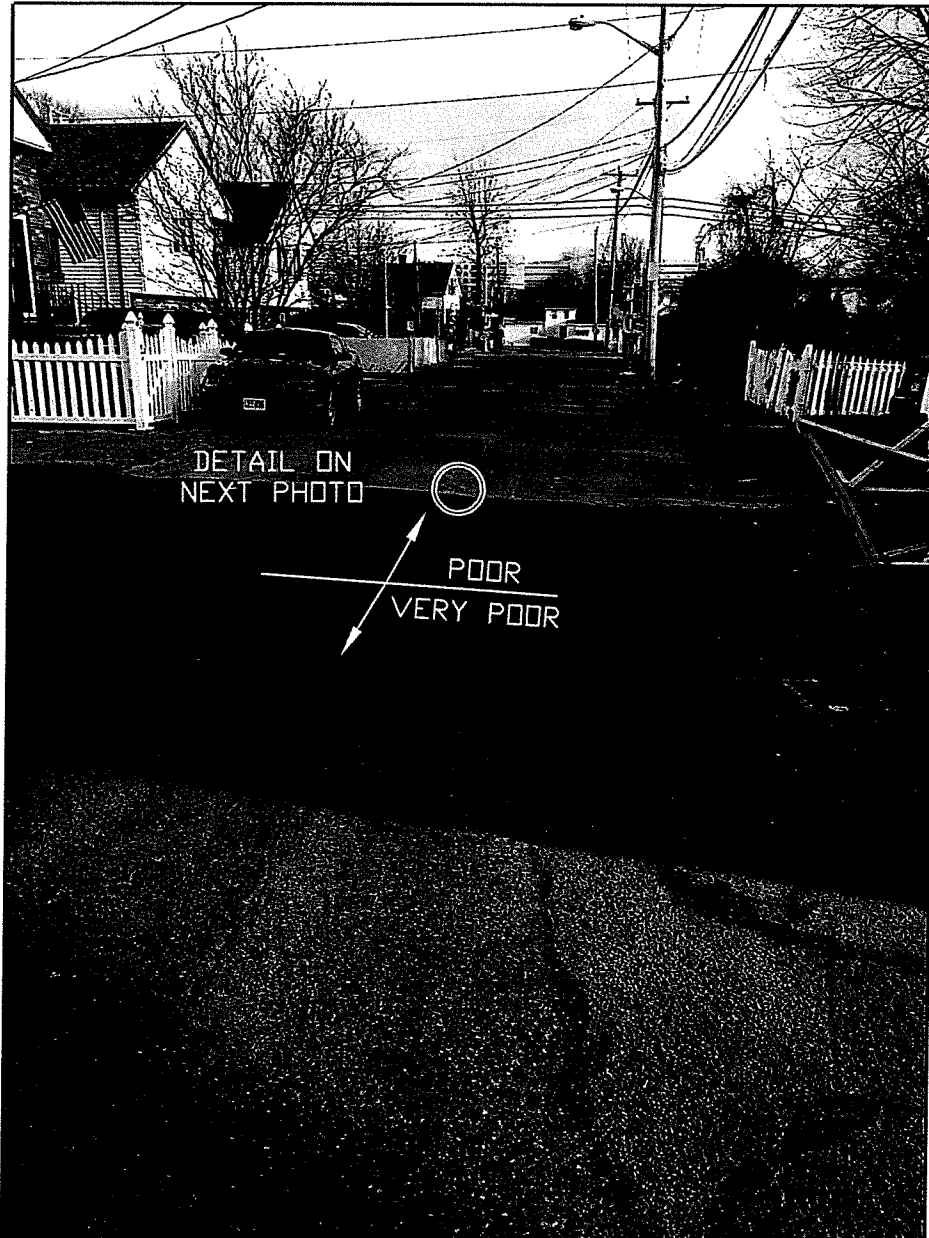


Oak Island Road

Continuing towards Glendale St.

Road changes from very poor to poor beyond Woodland Ave. Gas trench showing settlement.

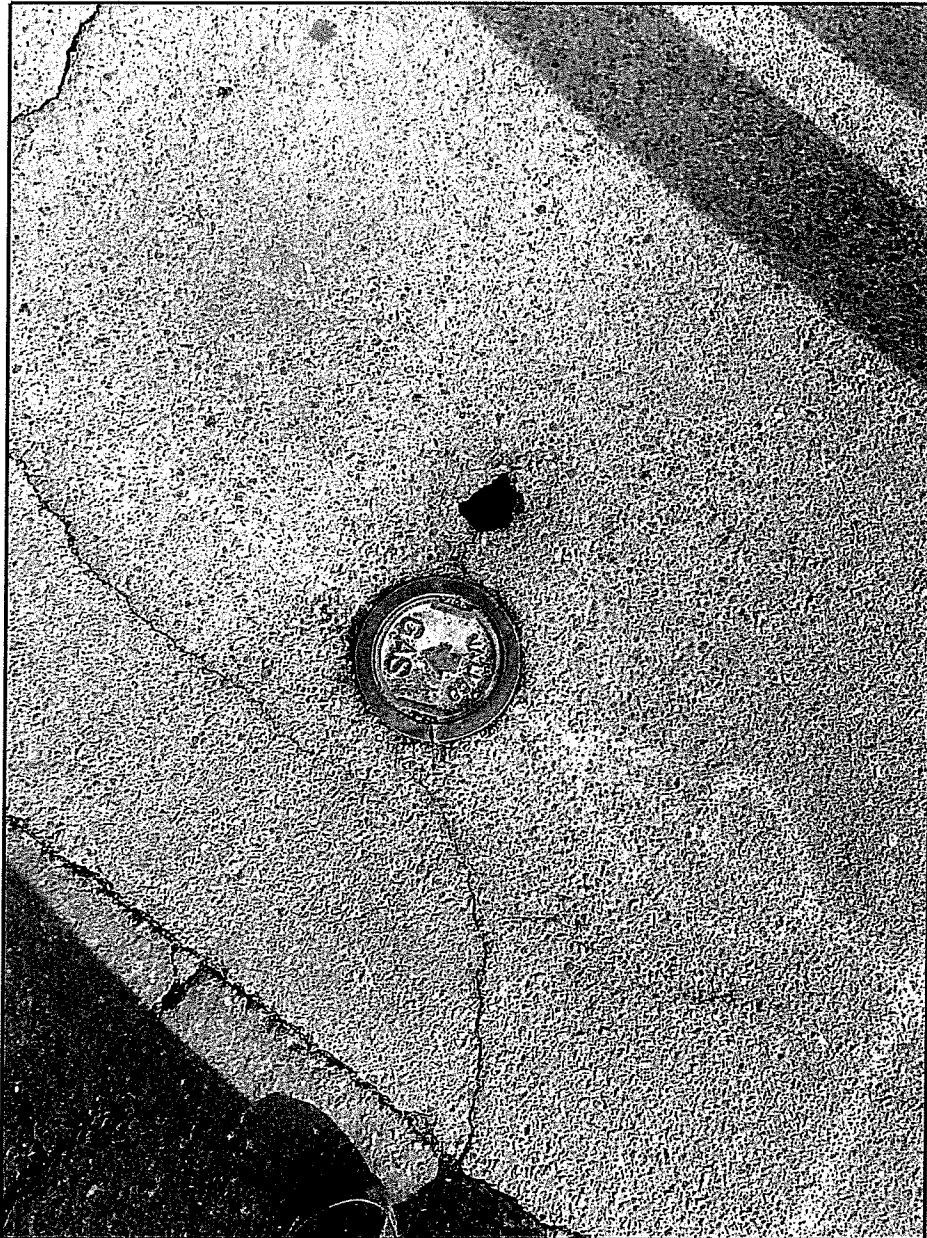
Sidewalks inconsistent and breaking up.



Oak Island Road

Evidence of sink hole at gas valve riser.

Contact Gas Company to address before condition worsens.



2/1/2016

Oak Island Road

Continuing southeast towards traintracks

Typical condition of roadway continues, gas trench seems to holding up better than remainder of road. Road cracking up, showing signs of settlement.



Oak Island Road

Looking towards marsh, standing at traintracks

Possible evidence of water damage to sidewalk and roadway. Problem may be solved by adjusting grade of road, more investigation necessary before a determination can be made.



Oak Island Road

South of traintracks looking
towards Glendale Street.

Condition of the roadway is better between the
train tracks and Glendale compared to the
section north of the tracks. Despite being
better, this section does show settlement and
cracking.

Sidewalks inconsistent and in poor condition



Oak Island Road

Looking southeast towards Glendale Street

Typical condition of the roadway is shown, road is cracking and settling. Sidewalks breaking up.



2/1/2016