

## **PHASE 2 – FEASIBILITY ANALYSIS**

### **PEARL AVENUE**

#### **West of Summer Street**

The remainder of Pearl Ave, west of Summer Street, is undeveloped in comparison to the portion of the roadway east of Summer Street. This section of the roadway is also much more narrow. Curbing is lacking and storm water controls do not function properly. Vehicles park at a 45 degree angle to the road and protrude into the roadway itself. This situation is worst on the north side of the street, where large retaining walls exist. The roadway itself is in poor condition suffering from extensive cracking, utility patches and pot hole repairs and ultimately is in need of rehabilitation.

Careful consideration regarding all issues mentioned above must be made before any reconstruction effort is undertaken. Such effort must address the function of the storm water drainage system, installation of curbing to control the storm water, as well as the parking areas on the north side of the street.

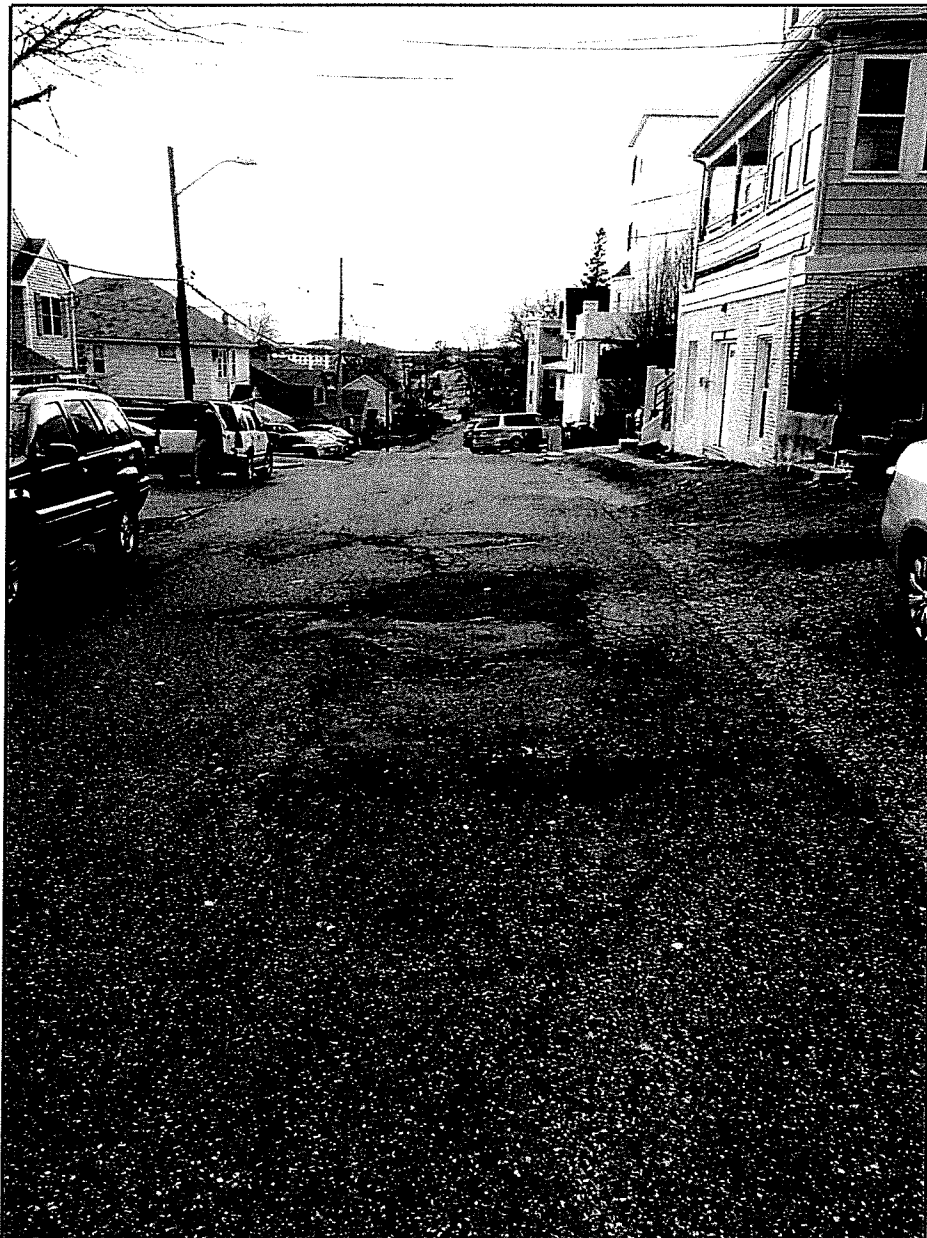
It is unclear where the property lines along this section of the roadway lie. A full survey of the entire right of way may be necessary before any Engineering design effort is undertaken.

It is our opinion that a representative from the Mayor's office meet on-site to walk this stretch of roadway. The issues are numerous and difficult to solve, therefore we feel a site meeting is in order. Note, MWRA infrastructure exists beneath the roadway, thus the MWRA must be consulted prior to any reconstruction efforts.

Pearl Ave  
(West of Summer Street)

Near Summer St. looking west

Alligator cracking turning to potholes. Multiple pothole repairs seen, roadway failing.



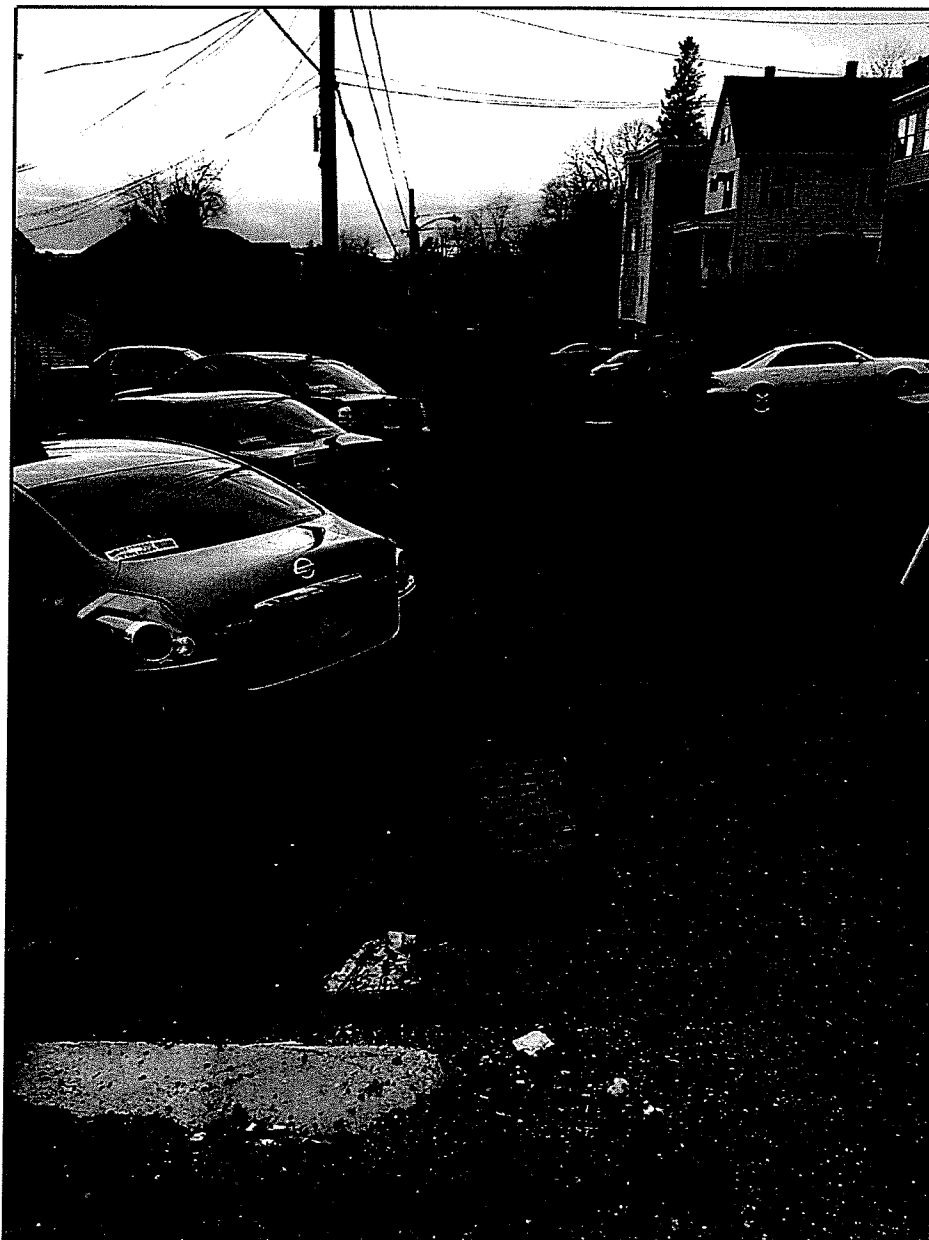
2/2016

Pearl Ave  
(West of Summer Street)

Multiple catch basins on the south side of Pearl Ave are not capturing storm water. Street has major issues that need to be investigated in detail.

Curbing to control water can not be installed consistently on the south side of the street due to the driveways.

No gutter exists, water from the road flows down driveways in multiple locations.



Pearl Ave  
(West of Summer Street)

Looking west.

Another catch basin on the south side of the street that is not capturing storm water

Super elevating the road so storm water drains to the north side and installing drainage on that side of the road is a possible solution. Otherwise a formal gutter needs to be created on the south side.



Pearl Ave  
(West of Summer Street)

Looking west.

Another catch basin on the south side of the street that is not capturing storm water

Super elevating the road so storm water drains to the north side and installing drainage on that side of the road is a possible solution. Otherwise a formal gutter needs to be created on the south side.



Pearl Ave  
(West of Summer Street)

Continuing west on Pearl Ave.

Note the sediment in the gutter of the south side of the road. This is evidence of the amount of puddling that occurs and is a symptom of poor drainage function.

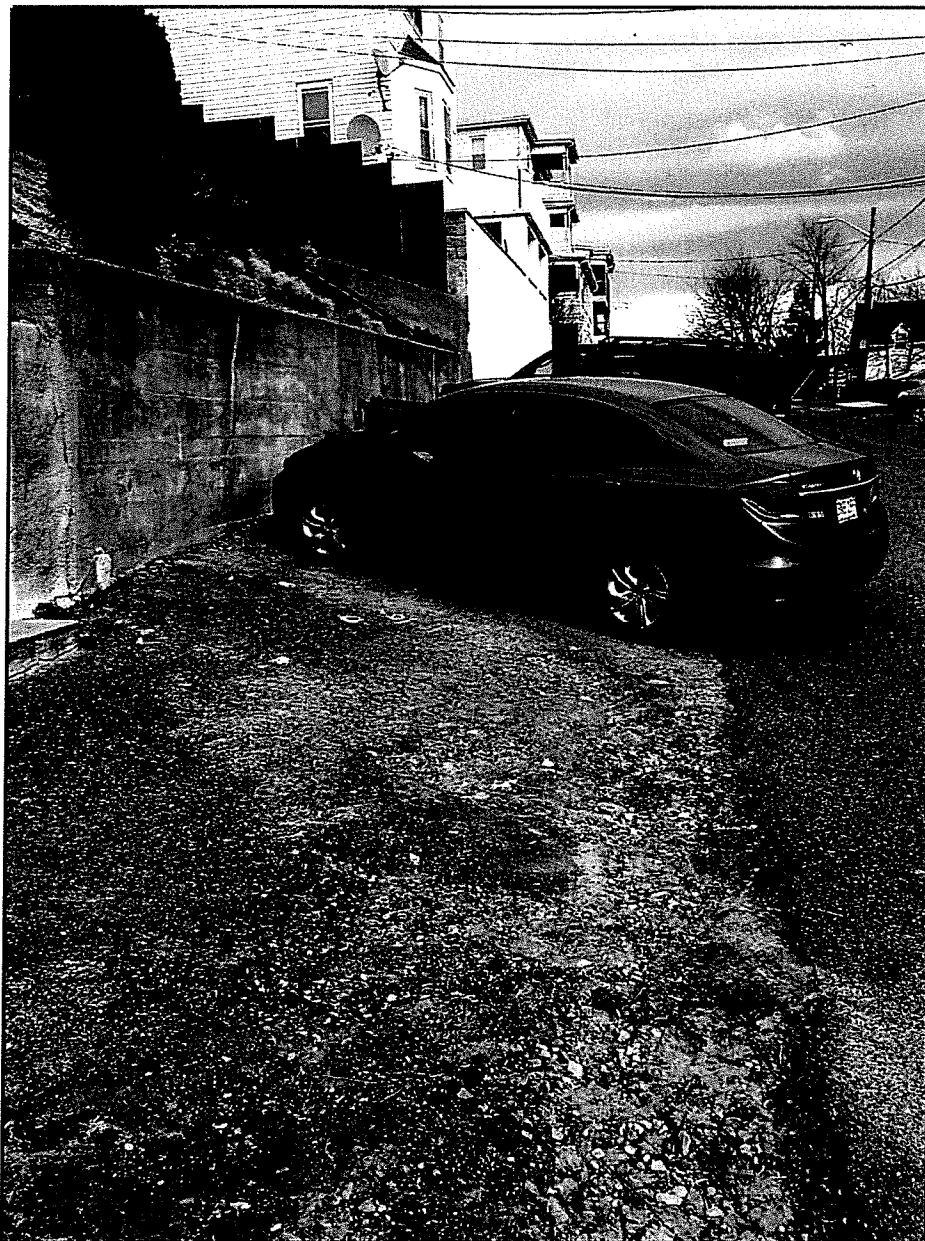
Visual inspection shows drain castings directly atop drain structures, thus castings can't be lowered, which is an issue.



Pearl Ave  
(West of Summer Street)

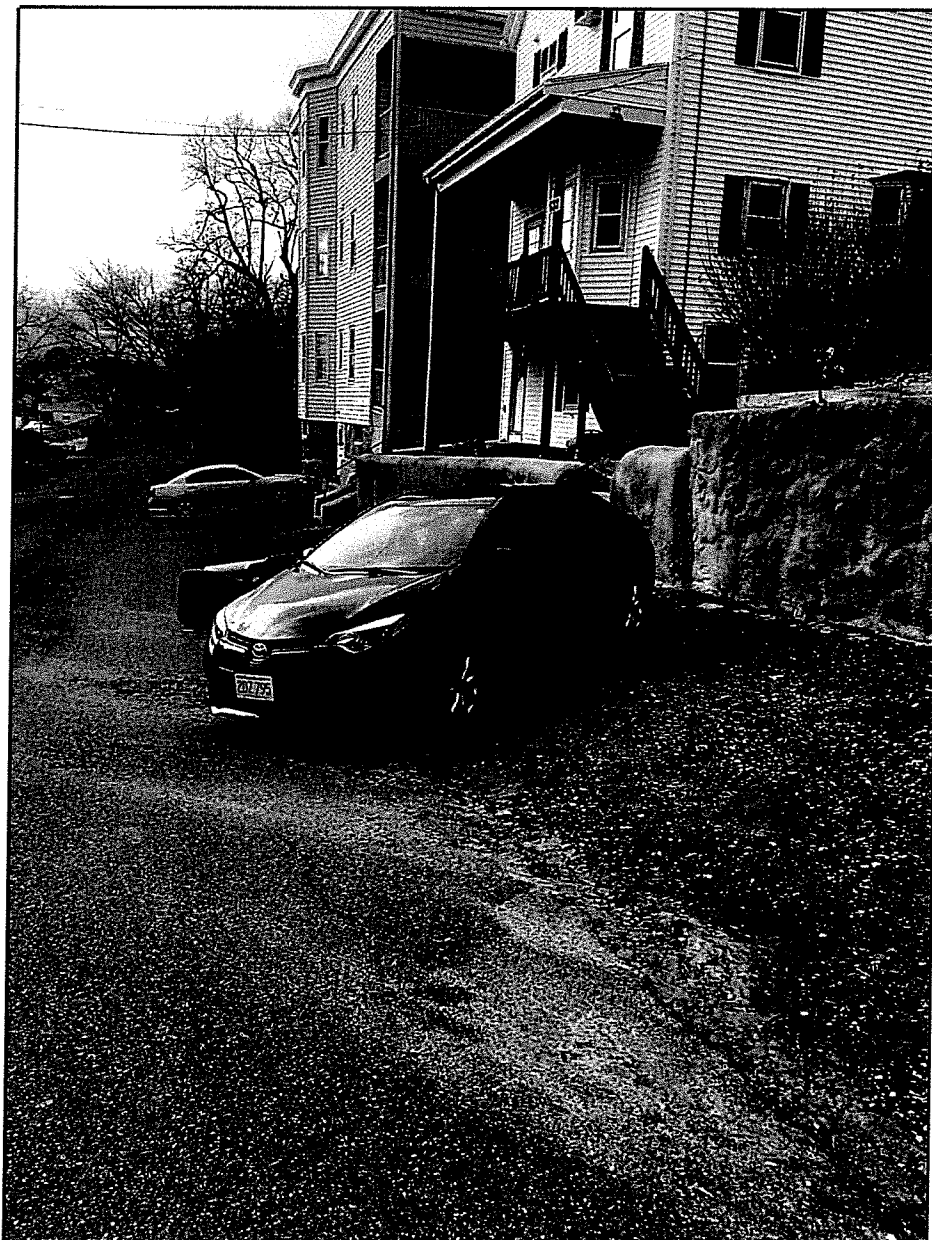
Looking back towards Summer St.

North side of the road is used as a parking area for several houses who have large retaining walls abutting the road. Location of property line is unclear. Vehicles appear to be parking such that they impede on the public right of way.



Pearl Ave  
(West of Summer Street)

Looking west at the same walls. Note the vehicles parked here are protruding into the roadways, pedestrian access on the north side of the street in these locations is unsafe as is the general nature of how these vehicles are parked on a regular basis.



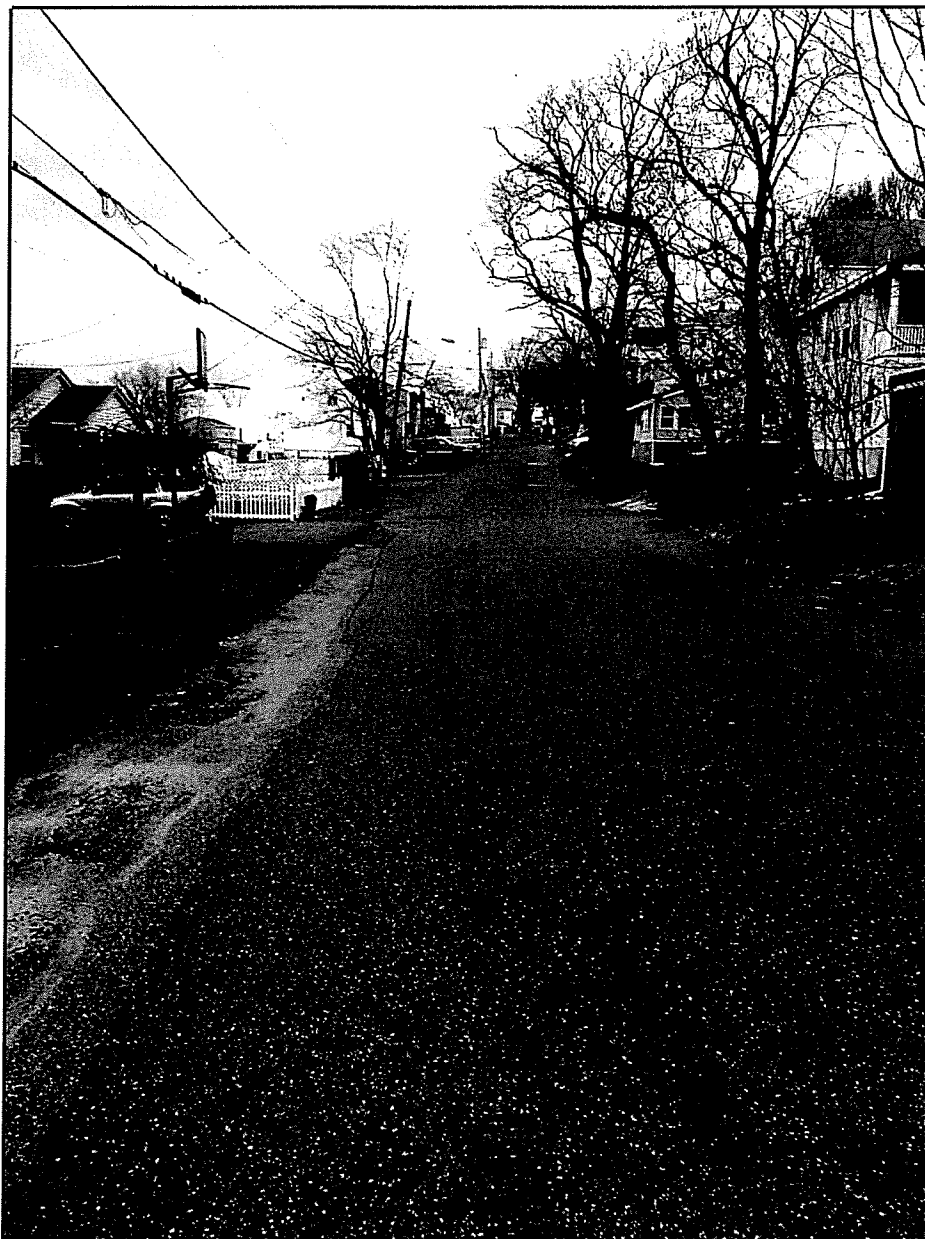


Pearl Ave  
(West of Summer Street)

Continuing west on Pearl Ave.

Note the large extent of sediment in the south gutter. Storm water management on this portion of Pearl Ave. needs to be addressed.

Poor drainage design and the settlement of the roadway over time is an issue on this section of the street.



Pearl Ave  
(West of Summer Street)

Continuing west on Pearl Ave.

Alligator cracking turning into potholes.  
Roadway in poor condition.

Entire stretch of road needs to be redesigned for  
proper storm water management.

