MEMORANDUM

TO: : Public Works Committee

REFERENCE: Local Storm Water Facilities

There exists in the Atlanta Area a serious condition resulting from inadequate and outdated storm sewers and drainage structures. This condition has existed for many years but grown worse each year with continued development and normal obsolescence rates.

Atlanta has hundreds of areas that flood with each rain of two inch intensity or more, hundreds of undersized or deteriorated culverts, hundreds of miles of restricted streams with no bank stabilization, and over 75 miles of streams carrying combined storm and sanitary sewage overflows with each rain. These conditions are compounded by poor sanitation practices in many neighborhoods which allows the dumping of trash and debris into streams and drainage systems causing obstruction of both open ditches and culverts downstream.

There is presently available no comprehensive map record of the existing drainage system. No drawings, location plans, or size data is available for location or planning, and no staff capability is available to presently undertake this necessary prerequisite to do comprehensive planning and evaluation of the problem scope in any detail.

The City implemented a system of sewer service charges in 1967 which provides for the operation and maintenance of the sanitary sewer system and certain elements of the combined sewer system. Presently, funds from this revenue source are being used to maintain the storm sewer system contrary to the intent and stated purposes of the service charge

ordinance. This cannot continue and certainly cannot be expanded to provide for enlargement or improvements to the storm sewer system. On the contrary it will be necessary to reduce the present level of expenditures from this source to meet bond ordinance commitments to buyers. There are no general fund appropriations provided for storm sewers during 1967.

The Atlanta Region Metropolitan Planning Commission, in compliance with a requirement of the Housing Act of 1965, has recently initiated an 18 month comprehensive study on a generalized scope of "Water and Sewage Problems of the Metropolitan Area." This study will supposedly lay the ground work for development of a comprehensive Master Plan for Water and Sewer Development in the Metropolitan Area.

The difficulty here is that this study will consider only the sanitary and combined sewer elements of the problem and will not consider in any way the storm sewer aspects. If the comprehensive study is to develop a proposal for system expansion and reorganization to include restructure of revenues and political boundaries in order to obtain future solutions to existing problems it must be able to intelligently evaluate and include the other 50% of the total problem; that of storm sewers and drainage systems. There is no way in which this can be done at present. The problems reflected previously have two distinct facets; they are:

1. Immediate efforts to finance and construct relief facilities in health hazard areas, together with initiation of studies to develop scope and solution

to the overall problem.

2. Future efforts including a massive construction program growing from earlier study would develop: problem areas, problem scope, methods of financing, development of plans and schedules.

A cursory study of the work to be done, indicates that the following sequence of events should take place:

1967 Allocate funds to provide immediate relief for priority problems $1,000,000 (see Note 1).

1967 Allocate funds and authorize minimum staffing and consultant contract to initiate mapping program. (See note 2).

1968 Allocate continued emergency relief funds for operations and improvements of storm water system.

1968 Allocate funds for contract study and mapping assistance by consultant in-house staff.

1969 Develop program organization and financing for comprehensive solution of problem areas.

1969-1973 Launch massive Capital Improvement Program which might well require five years.

Note 1:

Preliminary plans and, in some case, cost estimates exist on numerous projecrs causing recurring problems. Those presently read for contract letting include the following:

1.	Culvert:	Wilson Avenue, N. W.
2.	Storm Sewer:	Clarondale Drive, N. W.
3.	Storm Sewer:	Springside Drive, S. E.
4.	Culvert:	Charlene Avenue, N. E.
5.	Storm Sewers:	Brookwood Interchange
6.	Storm Sewer:	Ellsworth Ind. Drive
7.	Storm Sewer:	Habersham Road, N. W.
8.	Storm Sewers:	Peachtree Avenue, N. W.
9.	Culverts:	N. Stratford Road, N. W.
10.	Storm Sewers:	Blake Avenue, S. E.
11.	Storm Sewer:	Stovall Street, S. E.
12.	Storm Sewer:	McDonough Boulevard, S. E.
13.	Culvert:	Boulevard Drive, S. E. (should allocate for open channel
14.	Storm Sewer:	Piedmont Way, N. E.
15.	Storm Sewer:	Porter Drive, N. W.
16.	Storm Sewer:	Oldfield Road, N. W.
17.	Storm Sewer:	Grand Avenue, S. W.
18.	Storm Sewer:	Deering Road, N. E.
19.	Storm Sewer:	Conrad Avenue, S. E.
20.	Storm Sewer:	Montrose Avenue, S. W.
21.	Storm Sewer:	Hazelwood Drive, S. W.
22.	Storm Sewer:	Collier Drive, N. W.
23.	Storm Sewer:	Macon Drive, S. W.
24.	Storm Sewer:	Rhodenhaven Drive, N. W.

Note 1 (Cont'd)

25.	Culvert:	Peachtree-Dunwoody, N. E.
26.	Storm Sewer:	Wildwood Road, N. E.
27.	Storm Sewer:	Armour Drive, N. E.
28.	Culverts:	Jonesboro Rd., S. E. (Should allocate for open channel)
29.	Storm Sewer:	Bellview Avenue, N. E.
30.	Storm Sewer:	Monument Avenue, S. E.
31.	Storm Sewer:	Stratford Road, N. W.
32.	Storm Sewer:	Club Drive, N. E.
33.	Storm Sewer:	Griffin Street, N. W.
34.	Open Channel:	Clear Creek
35.	Culverts:	Cleveland Avenue, S. E.
36.	Culverts:	Pryor Road, S. E. (should allocate for open channel)
37.	Storm Sewer:	Grant Park, S. E.
38.	Storm Sewer:	Penelope Circle, S. E.
39.	Culvert:	Hogan Road, S. W.
40.	Storm Sewer:	Milton Avenue, S. E.
41.	Storm Sewer:	Pharr Road, N. E.
42.	Storm Sewer:	Egan Homes
43.	Open Channel:	Napoleon Avenue, S. W.
44.	Storm Sewer:	Cahaba Drive, S. W.
45.	Storm Sewer:	Vannoy and Dahlgreen, S. E
46.	Open Channel:	Santa Monica Drive, N. W.
47.	Storm Sewer:	East Beechwood Drive, N. W.
48.	Storm Sewer:	Eulalia Road, N. E.
49.	Storm Sewer:	Northside Drive, N. W.
50.	Storm Sewer:	Farrington Place, S. E.
51.	Storm Sewer:	Holly Road, N. W.

Note 2:

A workable program could be initiated with an in-house staff doing preliminary planning and base map development, then, negotiating a contract with a suitable consultant to supplement staff and facilities.

An in-house staff essentially as listed here would provide this capability:

One each Senior Civil Engineer

One each Civil Engineer

Four each Draftsman II

This staff capability should be supplemented by a consulting contract with the following purposes and objectives:

1. Provide final map drawings.
2. Provide field control and locations.
3. Provide topographic map base material.
4. Study existing system.
5. Evaluate system trouble spots.
6. Recommend improvements.
7. Develop problem scope and financing base.
8. Develop plans and schedules.
9. Provide Master Plan.