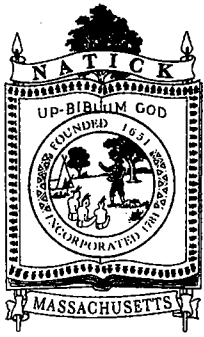


**TOWN ADMINISTRATOR'S**

**BUDGET UPDATE**





# Town of Natick Massachusetts

01760

Philip E. Lemnios  
Town Administrator

## TOWN ADMINISTRATOR'S BUDGET UPDATE

October 5, 2004

Dear Town Meeting Members:

This memo is being provided to update you on the status of the FY05 Budget and to provide some background to the budget requests for the Fall Town Meeting.

The most significant news relevant to the budget is that Natick's State Aid is scheduled to increase by over \$1 million dollars compared to the budget passed at Town Meeting in the spring. Attached you will find a table that illustrates the budget as it passed Town Meeting in April, and the adjustment to our finances taking into consideration the changes in State Aid (**Exhibit 1**).

### Guide and Comments on Attached Table (Exhibit 1):

The first column entitled "**Town Meeting**" shows the current FY05 (7/1/04 – 6/30/05) budget as approved by Town Meeting in April.

The second column entitled "**FY05 Final Proposed**" incorporates the proposed changes in the FY05 Budget. The blocks that are highlighted are the areas of change relative to the budget passed at Town Meeting. The changes are as follows:

#### Revenue Items

**Reduce the Growth in Tax Base line item by \$100,000.** This change reflects the current projection versus the estimate generated in November.

**Debt-Exclusion Override increases by \$701,027** to reflect the permanent bonding for the Wilson School now that it is complete.



**Intergovernmental Resources -State Aid (Exhibit 2):**

**Education Items** increased by \$711,923

**General Government Items** increased by \$601,080 (this amount includes a one-time increase of \$201,000 dollars available in FY05 only)

**Increase Estimated Receipts by \$344,386.** This increase reflects our experience in FY04 as well as our three year average. The Department of Revenue does not want communities to be overly conservative with their estimated receipt revenues. (See attached Estimated Receipt History-**Exhibit 3**).

**Reduce Stabilization Fund Usage by \$167,424.** As a result of increased State Aid and reduction in engineering funds for Middle Street it will be possible to reduce our reliance on the Stabilization Account in FY05.

**Increase Other Available Funds by \$24,000.** This increase will provide funds for a purchase of a new bus. The funds are currently in place in a segregated account and would be transferred into the capital expenditure item.

**Net Increase in Revenue Items would be \$2,114,991.**

**Expenditure Items:**

**General Government Line Item increase by \$143,942** as outlined below.  
(Please See Exhibit 4)

- \$42,860 Police Department vacation and sick leave buy back due to three retirements.
- \$30,000 for one Public Works engineering position to replace position moved to GIS Department
- \$4,500 for Public Works Land Facilities and Natural Resources (PW LFNR) budget for garden maintenance at various public squares. This funding will be accomplished by a transfer from PW Highway to PW LFNR thus not adding to the above stated \$143,942.
- \$44,014 for the Morse Library to increase part-time staff hours as discussed at the April Town Meeting.
- \$18,000 for the Community Development Office for temporary Office Staff to provide clerical assistance while a member of the staff is out on medical leave.
- There is \$9,068 allocated for a settlement with the employees of the Park and Recreation union. This settlement is consistent with all the other wage settlements presented at the April Town Meeting. The term of the

agreement is for three years (FY05-FY07), and offers the same percentage wage increase offered to all other general government bargaining units.

**The Property Insurance Line Item increases by \$33,800** to reflect actual policy costs and the addition of insurance for terrorism events.

**The Debt Line Item increases by \$923,882.** The largest portion of this increase (\$701,027) is due to the permanent bonding of the Wilson School Project. This expenditure is off-set by increasing the Debt-exclusion revenue amount. In addition to the debt exclusion increase there is an approximately \$222,000 increase as a result of retiring debt early as discussed at the Spring budget sessions and in conjunction with refinancing certain items to lower interest rates.

**The Capital Line Item increases by \$778,454** due primarily to the addition of engineering design for the five drainage areas. These are chronic flooding areas and need to be addressed. There are funds included in this line item to construct the drainage solution for two of the five areas.

In addition there is \$9,500 for guardrail at Dug Pond to protect the pond from weed infestation.

There is a \$24,000 amount to purchase a new bus for the Neighborhood bus system. The \$24,000 is the Town's match for a federal grant. The funds are available and will be transferred from an existing account for this purpose. Total new capital dollar funding is \$778,454.

**State and County Assessments** increased by \$306,251. This increase is to cover Charter School and School Choice tuitions for those Natick students attending a charter school or exercising their options to attend school in another participating district.

**Cherry Sheet Off-Sets** increases by \$33,881. Offset Items are found on the State Aid Summary (Exhibit 2) and include funds for Racial Equity, School Lunch and Library programs (Items 6,8 & 12).

**Snow Removal Supplement** has been decreased by \$72,007 as a result of receiving reimbursement from the State for the first major snow storm of last winter (December 2003).

**Net increase in expenditures compared to the budget passed at Town Meeting is \$2,114,991.**

**Summary:**

As you can see from the chart below and the following attachments over 90% of the proposed changes are being targeted towards capital and debt issues. This is in keeping with viewing the additional state aid received as an opportunity to add to our capital program and not use the additional funds for significant operational expansions.

Summary					
	Transfer		Raise and Appropriate	Total	% Share
General Government Changes	\$ 4,500		\$ 143,942	\$ 148,442	7.9%
Property Insurance			\$ 33,800	\$ 33,800	1.8%
Debt/Interest	\$ 701,027		\$ 222,855	\$ 923,882	49.0%
Capital Plan	\$ 24,000		\$ 754,454	\$ 778,454	41.3%
<b>Total</b>	<b>\$ 729,527</b>		<b>\$ 1,155,051</b>	<b>\$1,884,578</b>	

**Looking forward to FY06 (Exhibit 5):**

As we begin to prepare for FY06 we find ourselves in a more stable position compared to the most recent two fiscal years. It appears that the decline in State Aid has bottomed out, although we are still \$1.6 million below the historic high of FY02 (See Exhibit 2).

In addition to a stabilization of State Aid, the strategy of not using all of the town's free cash in any given year will help to decrease our dependence on the overlay account and the stabilization account in FY06.

The Town's Free Cash calculation has been submitted to the Department of Revenue in the amount of \$5.6 million. It should be noted that we started with a balance of \$1.5 million dollars of unused free cash for FY04. Net new free cash is approximately \$4.1 million dollars (\$5.6mill. - \$1.5 mill.). This is similar to last year's performance with a certification of \$4.3 million.

As you can see from the Exhibit 5-FY06 will still be challenging. We begin to decrease our use of the Overlay Surplus as the balance available for use declines. In addition we also begin to decrease our use of the Stabilization Account in order to preserve capital for future years. Our use of Free Cash increases by \$1 million to off-set the above stated adjustments. This will allow us to enter into FY07 with a Free Cash Balance of approximately \$1.9 million.

The projection provided for FY06 is preliminary and subject to change. I am confident that we will successfully navigate the challenges ahead, both known and not yet evident, if we continue to plan cautiously and work together in the best interest of all the residents of Natick. On behalf of the employees of the Town thank you for the opportunity to serve you.

Sincerely,

A handwritten signature in black ink, appearing to read 'Philip E. Lemnios', with a long horizontal flourish extending to the right.

Philip E. Lemnios  
Town Administrator

# FY05 REVENUE AND EXPENDITURE SUMMARY

EXHIBIT 1

10/5/2004

## TOWN MEETING

## FY05 FINAL PROPOSED as comp. to TM Approved

### Revenue Summary

#### Real Estate/Property Taxes

	FY05-TM Approved
Base Tax Levy	55,616,682
Statutory 2 1/2 Increase	1,390,417
Growth in Tax Base	700,000
Debt Exclusion Override	625,000
<b>Total Tax Levy</b>	<b>\$ 58,332,099</b>

#### Intergovernmental Resources (State Aid)

Education Items	5,221,917
General Government Items	4,055,934
<b>Projected Net State Aid</b>	<b>\$ 9,277,851</b>

#### Local Receipts

Estimated Receipts	9,679,700
Intergovernmental Transfer	2,005,683
Available Funds (Free Cash)	2,790,801
Stabilization Fund	750,000
Overlay Surplus	1,000,000
Other Available Funds	310,983
<b>TOTAL RECEIPTS</b>	<b>\$ 16,537,167</b>

#### **TOTAL RECEIPTS**

	FY05-TM Approved
<b>TOTAL RECEIPTS</b>	<b>\$ 84,147,117</b>

	FY 05 Final Proposed	Difference	%% Change
Base Tax Levy	55,616,682	\$ -	0.0%
Statutory 2 1/2 Increase	1,390,417	\$ -	0.0%
Growth in Tax Base	600,000	\$ (100,000)	-14.3%
Debt Exclusion Override	1,326,027	\$ 701,027	112.2%
<b>Total Tax Levy</b>	<b>58,933,126</b>	<b>\$ 601,027</b>	<b>1.0%</b>
Education Items	5,933,840	\$ 711,923	13.6%
General Government Items	4,657,013	\$ 601,079	14.8%
<b>Projected Net State Aid</b>	<b>10,590,853</b>	<b>\$ 1,313,002</b>	<b>14.2%</b>
Estimated Receipts	10,024,086	\$ 344,386	3.6%
Intergovernmental Transfer	2,005,683	\$ -	0.0%
Available Funds (Free Cash)	2,790,801	\$ -	0.0%
Stabilization Fund	582,576	\$ (167,424)	-22.3%
Overlay Surplus	1,000,000	\$ -	0.0%
Other Available Funds	334,983	\$ 24,000	7.7%
<b>TOTAL RECEIPTS</b>	<b>16,738,129</b>	<b>\$ 200,962</b>	<b>1.2%</b>
<b>TOTAL RECEIPTS</b>	<b>86,262,108</b>	<b>\$ 2,114,991</b>	<b>2.5%</b>

### Expenditure Summary

	FY05-Projected
General Government	23,016,816
School Budget	35,900,967
Article 1-Omnibus Budget FY04	4,514
Wage Settlement FY04	9,827
Union Wage Settlements	312,594
Non-union-Wage Settlements	94,675
School Bus Transportation subsidy	287,000
Commission for Disabled	3,000
Insurance	9,391,395
Property Insurance	337,500
Pension Total	3,867,963
Non-Contrib.. Retirement	191,513
Debt & Interest	6,808,030
Reserve Fund	250,000
Capital Improvements	593,500
Pending Wage Settlements	98,323
<b>TOTAL EXPENDITURES</b>	<b>\$ 81,167,617</b>

#### Other

State & County Assessments	840,678
Cherry Sheet Offsets	311,982
Tax Title	5,000
Overlay	1,100,181
Unpaid Bills from Previous Fiscal Year	5,063
Snow Removal Supplement	256,596
Golf Course Deficit	460,000
<b>TOTAL EXPENDITURES</b>	<b>\$ 2,979,500</b>

#### **TOTAL EXPENDITURES**

	FY05-Projected
<b>TOTAL EXPENDITURES</b>	<b>\$ 84,147,117</b>
<b>NET EXCESS / (DEFICIT)</b>	<b>\$ -</b>

	FY05-Proposed	\$\$ Difference	%% Change
General Government	23,160,758	143,942	0.63%
School Budget	35,900,967	-	0.00%
Article 1-Omnibus Budget FY04	4,514	-	0.00%
Wage Settlement FY04	9,827	-	0.00%
Union Wage Settlements	312,594	-	0.00%
Non-union-Wage Settlements	94,675	-	0.00%
School Bus Transportation subsidy	287,000	-	0.00%
Commission for Disabled	3,000	-	0.00%
Insurance	9,391,395	-	0.00%
Property Insurance	371,300	33,800	10.01%
Pension Total	3,867,963	-	0.00%
Non-Contrib.. Retirement	191,513	-	0.00%
Debt & Interest	7,731,912	923,882	13.57%
Reserve Fund	250,000	-	0.00%
Capital Improvements	1,371,954	778,454	131.16%
Pending Wage Settlements	98,323	-	0.00%
<b>TOTAL EXPENDITURES</b>	<b>83,047,695</b>	<b>1,880,078</b>	<b>2.32%</b>
Other	1,113,717	273,039	32.48%
Cherry Sheet Offsets	345,864	33,882	10.86%
Tax Title	5,000	-	0.00%
Overlay	1,100,181	-	0.00%
Unpaid Bills from Previous Fiscal Year	5,063	-	0.00%
Snow Removal Supplement	184,588	(72,008)	-28.06%
Golf Course Deficit	460,000	-	0.00%
<b>TOTAL EXPENDITURES</b>	<b>3,214,413</b>	<b>234,913</b>	<b>7.88%</b>
<b>TOTAL EXPENDITURES</b>	<b>86,262,108</b>	<b>2,114,991</b>	<b>2.51%</b>
<b>NET EXCESS / (DEFICIT)</b>	<b>0</b>	<b>\$ 0</b>	



ESTIMATED RECEIPT HISTORY  
FISCAL YEAR 2000 THROUGH FISCAL YEAR 2004

Receipt	Actual Receipts				3Yr Average FY01 - FY03	April TM Est. FY05	Revised Est. FY05
	FY00	FY01	FY02	FY03			
Motor Vehicle	\$ 3,065,303	\$ 3,744,668	\$ 4,156,493	\$ 3,681,214	\$ 4,095,593	\$ 3,750,000	\$ 4,100,086
Hotel Tax	\$ 636,757	\$ 629,801	\$ 751,424	\$ 653,061	\$ 672,975	\$ 675,000	\$ 607,000
Payment & Interest Taxes/Excise	\$ 536,218	\$ 301,198	\$ 340,906	\$ 388,315	\$ 401,383	\$ 325,000	\$ 400,000
Payment in Lieu of Taxes	\$ 96,226	\$ 12,440	\$ 12,290	\$ 12,208	\$ 20,115	\$ 12,000	\$ 12,000
Trash Fee				\$ 1,621,500	\$ 1,328,176	\$ 1,350,000	\$ 1,300,000
<b>Other Charges for Services</b>							
Police Special Duty Service Charges	\$ 20,877	\$ 42,682	\$ 35,031	\$ 33,664	\$ 22,898	\$ 20,000	\$ -
Ambulance Fees	\$ 453,261	\$ 480,529	\$ 722,513	\$ 752,436	\$ 757,950	\$ 750,000	\$ 750,000
Rentals	\$ 193,904	\$ 214,760	\$ 244,181	\$ 300,325	\$ 280,202	\$ 240,000	\$ 250,000
Recreation	\$ 113,792	\$ 107,060	\$ 113,330	\$ 82,681	\$ 94,294	\$ 80,000	\$ 75,000
<b>Other Departmental Revenue</b>							
Fines/Forfeits	\$ 429,483	\$ 442,436	\$ 384,134	\$ 313,205	\$ 341,526	\$ 325,000	\$ 325,000
Other Departmental Revenue	\$ 313,588	\$ 372,005	\$ 396,338	\$ 464,256	\$ 511,830	\$ 415,000	\$ 450,000
Investment Income	\$ 1,136,623	\$ 1,262,268	\$ 812,780	\$ 785,377	\$ 727,110	\$ 600,000	\$ 600,000
License/Permits	\$ 965,253	\$ 1,058,870	\$ 807,221	\$ 927,158	\$ 956,074	\$ 950,000	\$ 1,000,000
Special Assessments	\$ 114,818	\$ 62,968	\$ 196,725	\$ 276,072	\$ 225,652	\$ 55,000	\$ 55,000
<b>Miscellaneous Non-Recurring</b>							
Additional Lottery aid	\$ -	\$ 381,067	\$ -	\$ -	\$ -	\$ -	\$ -
Tax Per Chap 59 Sec D (% Occup.)	\$ -	\$ 81,621	\$ 112,177	\$ 358,948	\$ 192,892	\$ 150,000	\$ 100,000
<b>Total Estimated Receipts:</b>	<b>\$ 8,076,103</b>	<b>\$ 9,194,372</b>	<b>\$ 9,085,542</b>	<b>\$ 10,650,421</b>	<b>\$ 11,115,193</b>	<b>\$ 9,697,000</b>	<b>\$ 10,024,086</b>

Article	Department	issue	Xfer Amount	Change Amount	Funding Source
1	Police	Sick-leave buy-back for 3 retirements		\$ 42,860	Tax Levy
1	PW Engineering	Replace 1 Staff Engineer position		\$ 30,000	Tax Levy
1	PW Land & Facilities	Add Garden Maintenance funds	\$ 4,500		Tax Levy
4	Morse Library	Add Part-time staff		\$ 44,014	Tax Levy
1	Community Develop.	Temporary staff due to medical leave		\$ 18,000	Tax Levy
3	Recreation Wage Settlement	Contract Settlement FY05-FY07		\$ 9,068	xfer pending wage
<b>General Government Raise and Appropriate:</b>					
General Government Transfer:					\$ 143,942
					\$ 4,500

1	Property Insurance	Actual costs plus terrorism coverage		\$ 33,800	Tax Levy
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Debt Schedule			
1	Wilson Debt Exclusion Increase	\$ 701,027	Debt Exclusion
1	High School Planning and BAN's	\$ 222,855	Raise & Approp.
<b>Total Debt Raise &amp; Appropriate</b>		<b>\$ 923,882</b>	

CAPITAL PLAN CHANGES				
6	Bus Purchase	Matching Share with Federal grant	\$ 24,000	Xfer
6	Engineering Funds for Drainage System Repairs:	Middle Street	\$ 25,000	
		Glen Street	\$ 286,074	
		Willow Street	\$ 130,000	
		South Ave	\$ 33,170	
		Westlake	\$ 27,606	
		<b>Sub-total:</b>	<b>\$ 501,850</b>	Tax Levy
6	Construction Funds For Drainage System Repairs:	South Ave	\$ 132,680	
		Westlake	\$ 110,424	
		<b>Sub-total:</b>	<b>\$ 243,104</b>	Tax Levy
6	Parks and Rec	Guardrail @Dug Pond	\$ 9,500	Tax Levy
<b>Total Capital Plan Raise &amp; Appropriate</b>			<b>\$ 754,454</b>	
<b>Total Capital Plan Transfer</b>			<b>\$ 24,000</b>	

Total Tax Levy:	\$1,155,051
Total School Debt Exclusion:	\$ 701,027
Total Transfers	\$ 28,500
<b>Total All Activities:</b>	<b>\$1,884,578</b>

# FY06 REVENUE AND EXPENDITURE PROJECTION

EXHIBIT 5

10/5/2004

Revenue Summary	FY05-Proposed	FY06 PROJECTED	Difference	%% Change
<b>Real Estate/Property Taxes</b>				
Base Tax Levy	55,616,682	57,607,099	\$ 1,990,417	3.6%
Statutory 2 1/2 Increase	1,390,417	1,440,177	\$ 49,760	3.6%
Growth in Tax Base	600,000	600,000	\$ -	0.0%
Debt Exclusion Override	1,326,027	1,326,027	\$ -	0.0%
<b>Total Tax Levy</b>	<b>58,933,126</b>	<b>60,973,303</b>	<b>\$ 2,040,177</b>	<b>3.5%</b>
<b>Intergovernmental Resources (State Aid)</b>				
Education Items	5,890,610	5,890,610	\$ -	0.0%
General Government Items	4,658,063	4,457,063	\$ (201,000)	-4.3%
<b>Projected Net State Aid</b>	<b>10,548,673</b>	<b>10,347,673</b>	<b>\$ (201,000)</b>	<b>-1.9%</b>
<b>Local Receipts</b>				
Estimated Receipts	10,024,086	10,525,290	\$ 501,204	5.0%
Intergovernmental Transfer	2,005,683	2,005,683	\$ -	0.0%
Available Funds (Free Cash)	2,790,801	3,750,000	\$ 959,199	34.4%
Stabilization Fund	750,000	500,000	\$ (250,000)	-33.3%
Overlay Surplus	1,000,000	500,000	\$ (500,000)	-50.0%
Other Available Funds	334,983	200,000	\$ (134,983)	-40.3%
	<b>16,905,553</b>	<b>17,480,973</b>	<b>\$ 575,420</b>	<b>3.4%</b>
<b>TOTAL RECEIPTS</b>	<b>86,387,352</b>	<b>88,801,950</b>	<b>\$ 2,414,598</b>	<b>2.8%</b>

Expenditure Summary	FY05-Proposed	FY06 PROJECTED	\$\$ Difference	%% Change
General Government	23,151,690	23,846,241	\$ 694,551	3.0%
School Budget	35,900,967	36,977,995	\$ 1,077,029	3.0%
Article 1-Omnibus Budget FY04	4,514	-	\$ (4,514)	-100.0%
Wage Settlement FY04	9,827	-	\$ (9,827)	-100.0%
Union Wage Settlements	312,594	-	\$ (312,594)	-100.0%
Non-union-Wage Settlements	94,675	-	\$ (94,675)	-100.0%
School Bus Transportation subsidy	287,000	287,000	\$ -	0.0%
Commission for Disabled	3,000	4,000	\$ 1,000	33.3%
Insurance	9,391,395	10,330,535	\$ 939,140	10.0%
Property Insurance	371,300	408,430	\$ 37,130	10.0%
Pension Total	3,867,963	4,448,157	\$ 580,194	15.0%
Non-Contrib.. Retirement	191,513	191,513	\$ -	0.0%
Debt & Interest	7,731,912	7,782,269	\$ 50,357	0.7%
Reserve Fund	250,000	250,000	\$ -	0.0%
Capital Improvements	1,473,054	1,000,000	\$ (473,054)	-32.1%
Pending Wage Settlements	98,323	-	\$ (98,323)	-100.0%
	<b>83,139,727</b>	<b>85,526,140</b>	<b>\$ 2,386,414</b>	<b>2.9%</b>
<b>Other</b>				
State & County Assessments	1,146,929	1,261,622	\$ 114,693	10.0%
Cherry Sheet Offsets	345,863	380,449	\$ 34,586	10.0%
Tax Title	5,000	5,000	\$ -	0.0%
Overlay	1,100,181	1,155,190	\$ 55,009	5.0%
Unpaid Bills from Previous Fiscal Year	5,063	-	\$ (5,063)	-100.0%
Snow Removal Supplement	184,589	200,000	\$ 15,411	8.3%
Golf Course Deficit	460,000	460,000	\$ -	0.0%
	<b>3,247,625</b>	<b>3,462,261</b>	<b>\$ 214,636</b>	<b>6.6%</b>
<b>TOTAL EXPENDITURES</b>	<b>86,387,352</b>	<b>88,988,401</b>	<b>\$ 2,601,050</b>	<b>3.0%</b>
<b>NET EXCESS / (DEFICIT)</b>	<b>-</b>	<b>(186,452)</b>		

# DRAINAGE IMPROVEMENTS SCHEDULE

	Months																								
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
<b>MIDDLE STREET AREA</b>																									
RFP For Engineering Services & Select Design Firm																									
Design & Permitting																									
Easement, Issues & Right of Entry from CSX Required																									
Bid & Award Construction Contract																									
Construction Duration																									
<b>GLEN STREET</b>																									
RFP For Engineering Services & Select Design Firm																									
Design & Permitting																									
Coordination With Lookout Farm Pond Discharge Required																									
Drainage Work to be Combined With Roadway Reconstruction																									
Bid & Award Construction Contract																									
Construction Duration																									
<b>WILLOW STREET &amp; WASHINGTON AVE AREA</b>																									
RFP For Engineering Services & Select Design Firm																									
Design & Permitting																									
Easement, Issues & Right of Entry from CSX Required																									
Bid & Award Construction Contract																									
Construction Duration																									
<b>SOUTH AVENUE</b>																									
RFP For Engineering Services & Select Design Firm																									
Design & Permitting																									
Improvements Could Be Made Part of a Future HOP Project																									
Bid & Award Construction Contract																									
Construction Duration																									
<b>WESTLAKE STREET &amp; WARING ROAD</b>																									
RFP For Engineering Services & Select Design Firm																									
Design & Permitting																									
Existing Easement to be Modified to Include Drain Line																									
Bid & Award Construction Contract																									
Construction Duration																									

Engineering \$25,000 5%  
 Construction \$504,600 95%  
 Total Costs \$529,600

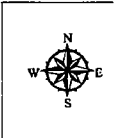
Engineering \$286,074 20%  
 Construction \$1,144,296 80%  
 Total Costs \$1,430,370

Engineering \$130,000 20%  
 Construction \$520,000 80%  
 Total Costs \$650,000

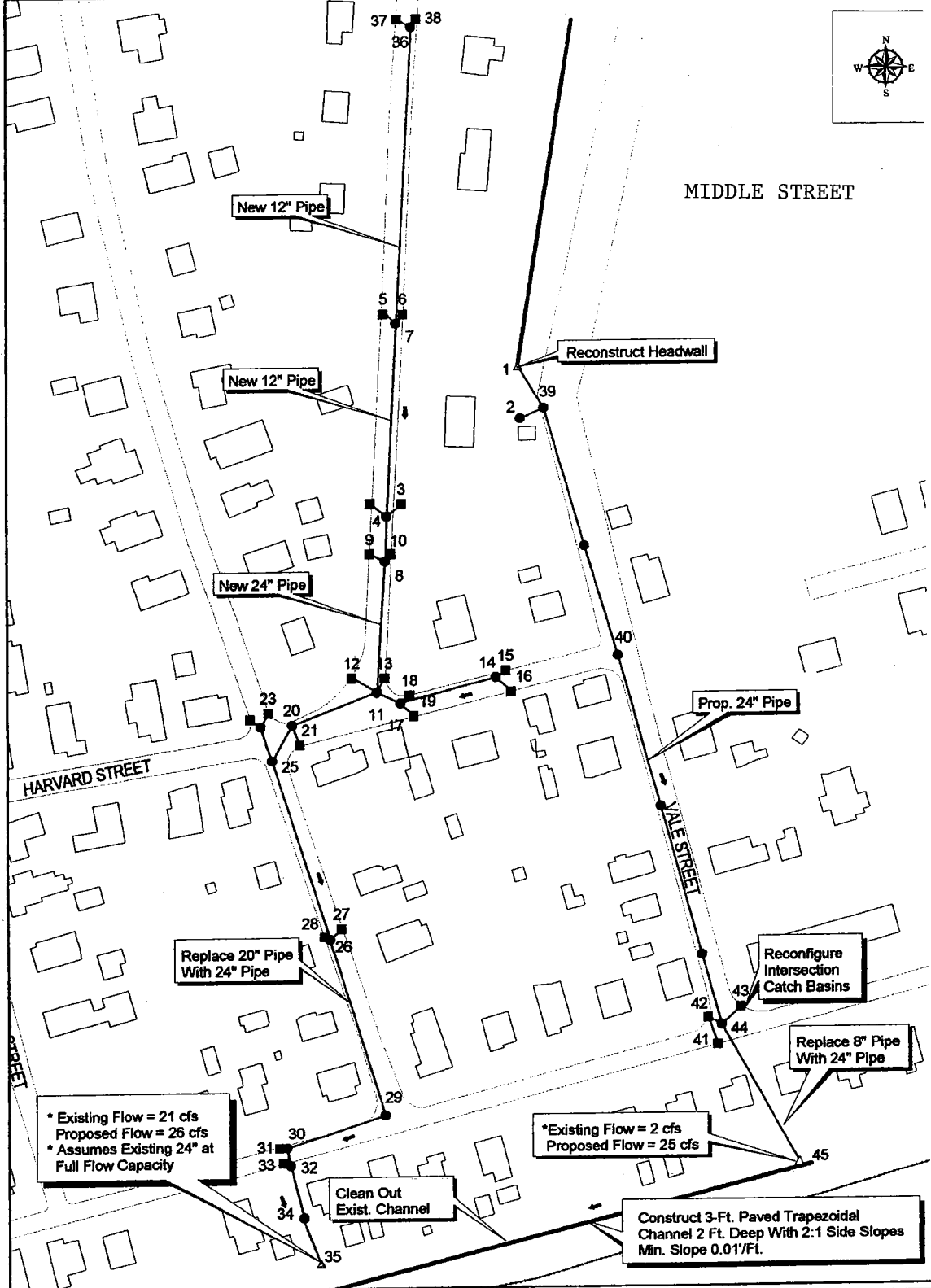
Engineering \$33,170 20%  
 Construction \$132,680 80%  
 Total Costs \$165,850

Engineering \$27,606 20%  
 Construction \$110,424 80%  
 Total Costs \$138,030

Engineering \$ 501,850 17%  
 Construction \$ 2,412,000 83%  
 Total All Projects \$ 2,913,850



MIDDLE STREET



\* Existing Flow = 21 cfs  
 Proposed Flow = 26 cfs  
 \* Assumes Existing 24" at Full Flow Capacity

\* Existing Flow = 2 cfs  
 Proposed Flow = 25 cfs

**Legend**

- Manhole
- Catchbasin
- △ Headwall



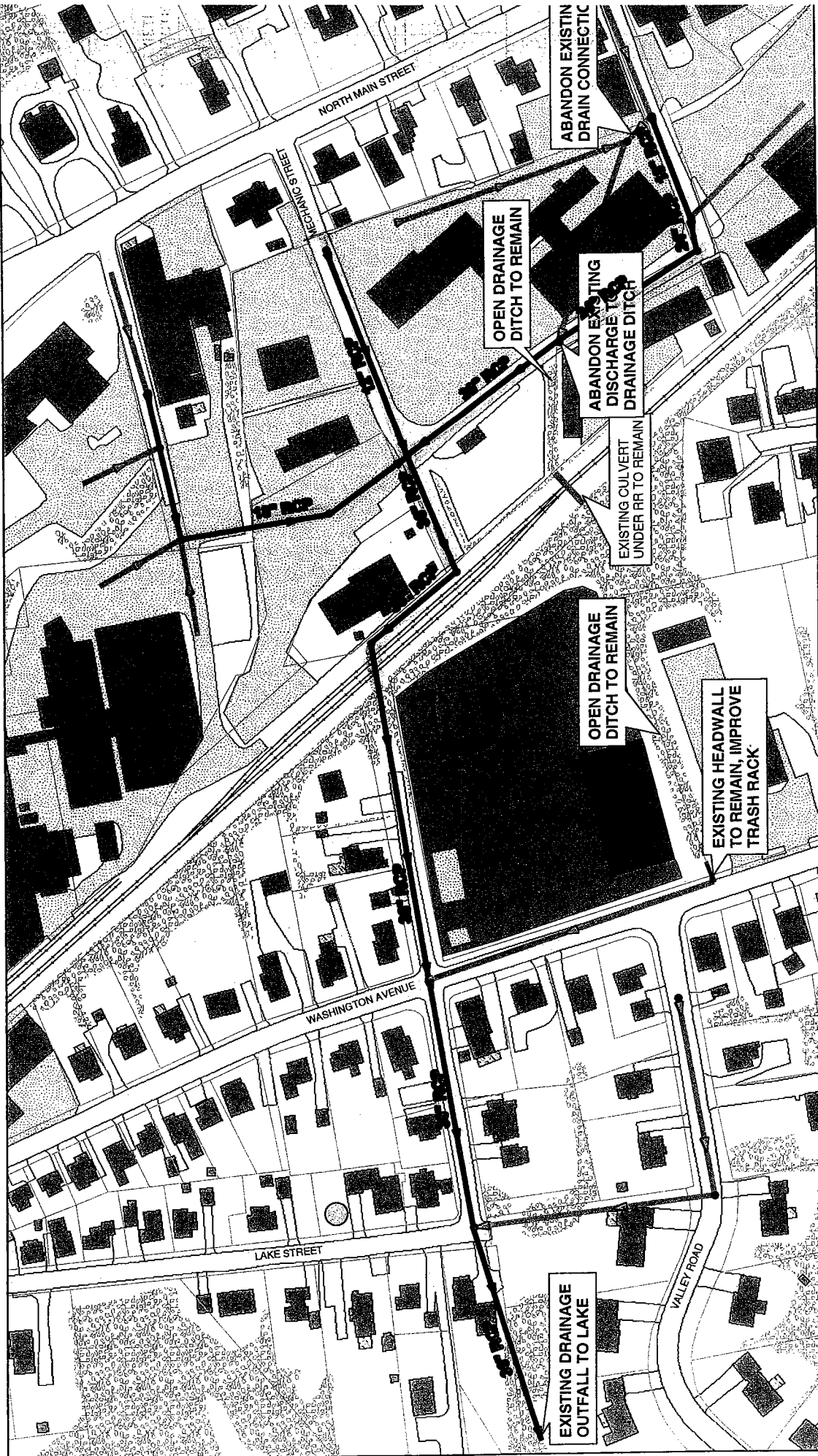
**BETA Group, Inc.**  
 Engineers - Scientists - Planners

**Locus**



**Drainage Improvements**  
 Natick, Massachusetts

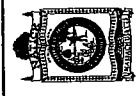
Middle Street  
 Proposed Drainage System



SHEET NO.

1

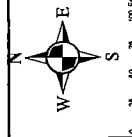
OF 1



TITLE  
**PROPOSED DRAINAGE IMPROVEMENTS AT WASHINGTON AVE. & WILLOW ST. AREA**

1 inch equals 108 feet

DATE: Aug. 18, 2004  
 DRAWN: E.F.H.  
 CHECKED: M.B.C.  
 APPROVED: M.S.C.  
 FILE: S03B PROJECT/S03B/ENGINEER/NO/WASH/04/08/04.dwg



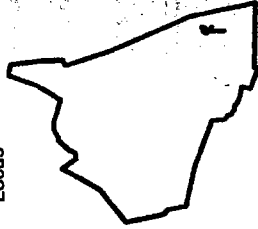
- LEGEND
- EXISTING DRAINAGE CONNECTED TO NEW SYSTEM
  - PROPOSED DRAINAGE MAINS
  - PROPOSED REPLACEMENT OF EXISTING DRAIN MAINS
  - EXISTING DRAIN TO BE ABANDONED
  - EASEMENTS REQUIRED

WASHINGTON AVE/WILLOW STREET



**Drainage  
Improvements**

LOCUS



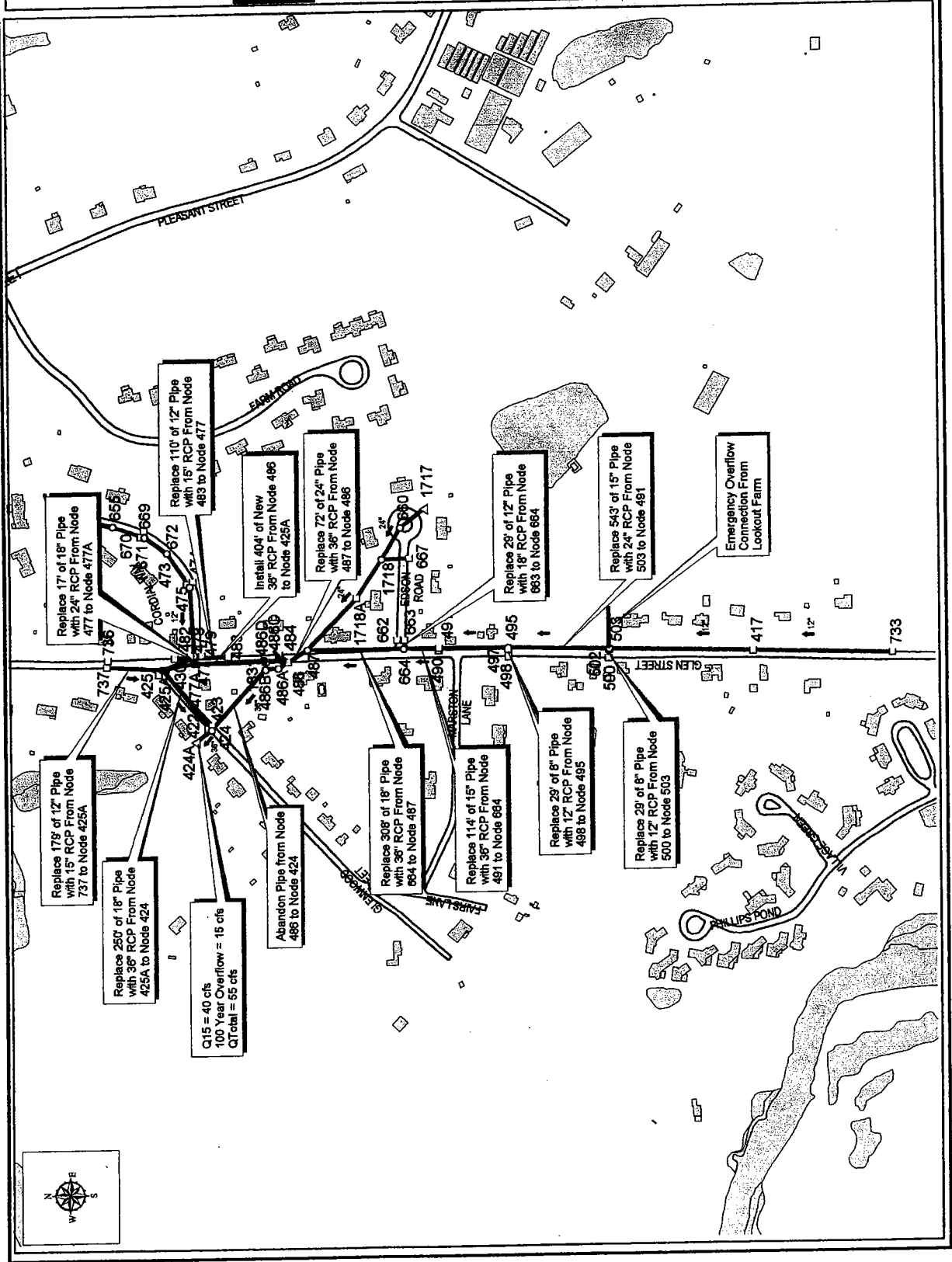
Glen Street  
Proposed System  
15 Year Storm

**Legend**

- △ Headwall
- Manhole
- Catch Basin
- Proposed Manhole
- Drain Pipe
- ▬ Proposed Drain Pipe

150 0 150 300 Feet

**BETA Group, Inc.**  
ENGINEERS & SURVEYORS • PLANNERS



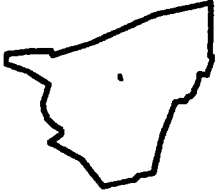
**Legend**

- Manhole
- Catchbasin
- ▲ Headwall



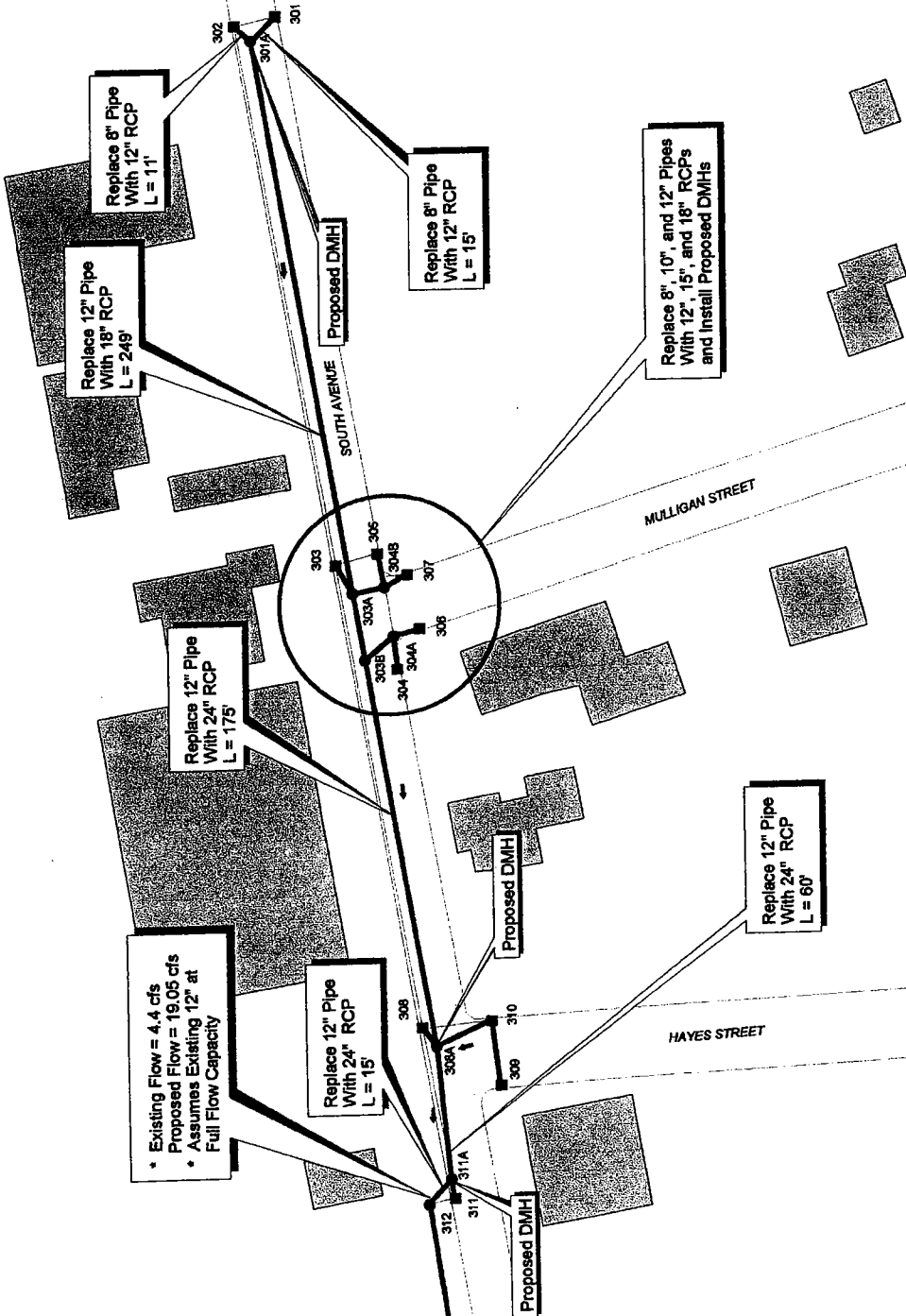
**BETA Group, Inc.**  
ENGINEERS • ESTIMATORS • PLANNERS

Locus



**Drainage Improvements**  
Natick, Massachusetts

South Avenue  
Proposed Drainage System  
15 Year Storm



SOUTH AVENUE



Drainage  
Improvements

Locus



Westlake Road  
Proposed Alternative #2  
15 Year Storm

Legend

- Manhole
- Catch Basin
- ~ Drain Pipe



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