

LEGEND

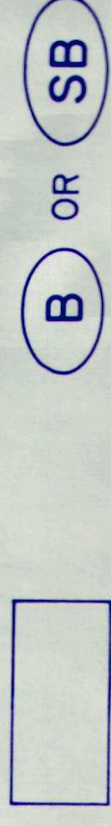
DRAINAGE AREA BOUNDARY

WATER QUALITY CLASSIFICATION LIMIT

PUBLIC WATER SUPPLY WELL

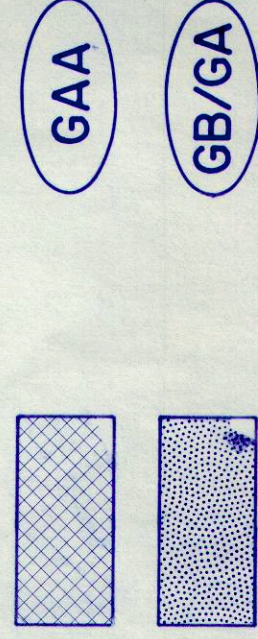
UPSTREAM LIMIT OF SURFACE WATER CLASSIFICATION

SURFACE WATER DESIGNATIONS



SURFACE WATERS NOT DESIGNATED ARE CLASS A

GROUND WATER DESIGNATIONS



GROUND WATERS NOT DESIGNATED ARE CLASS GA

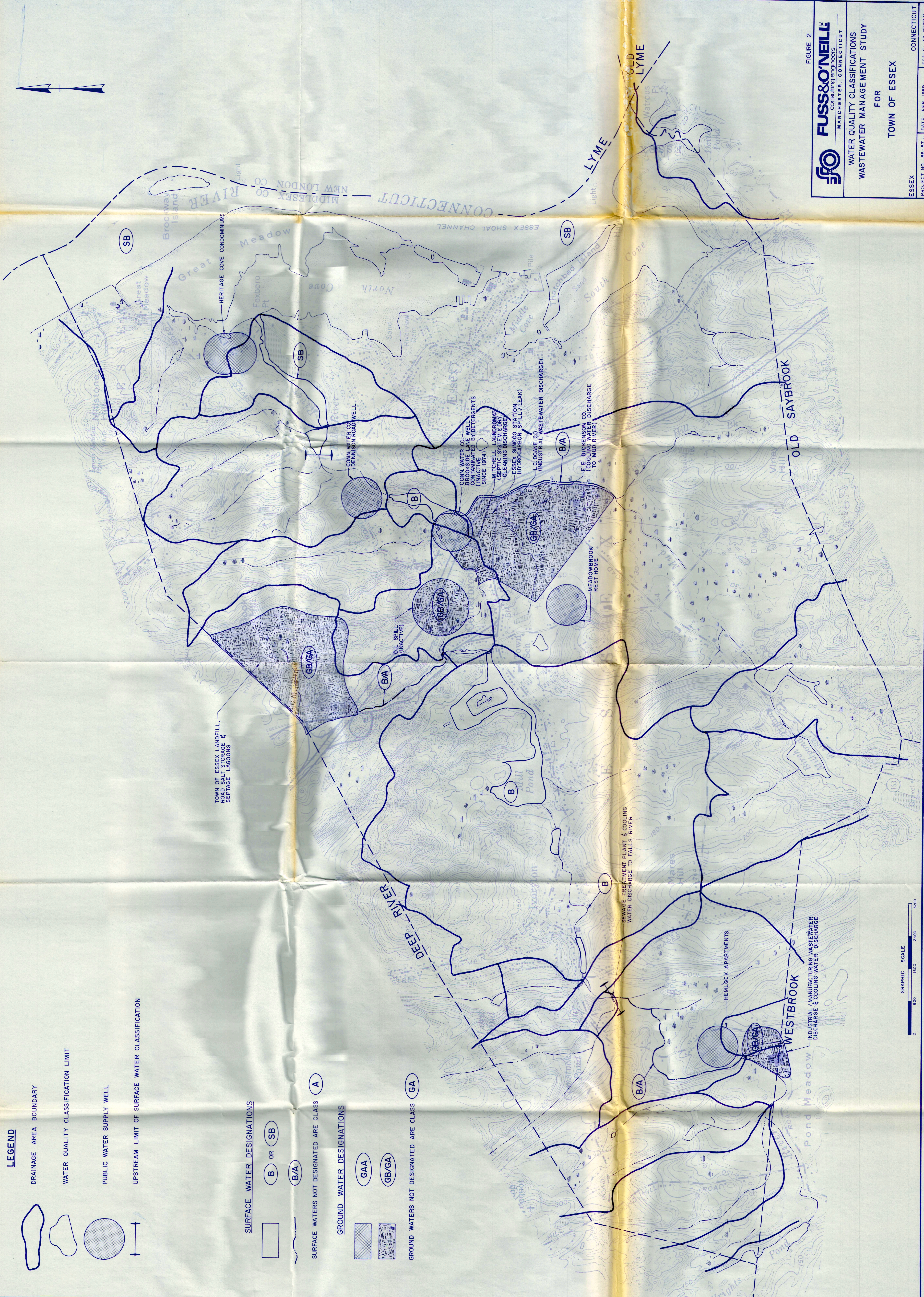


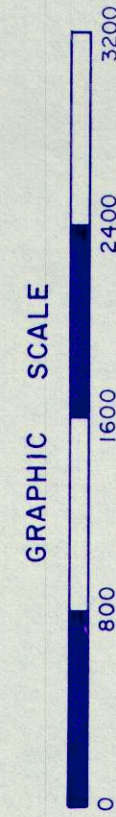
FIGURE 2

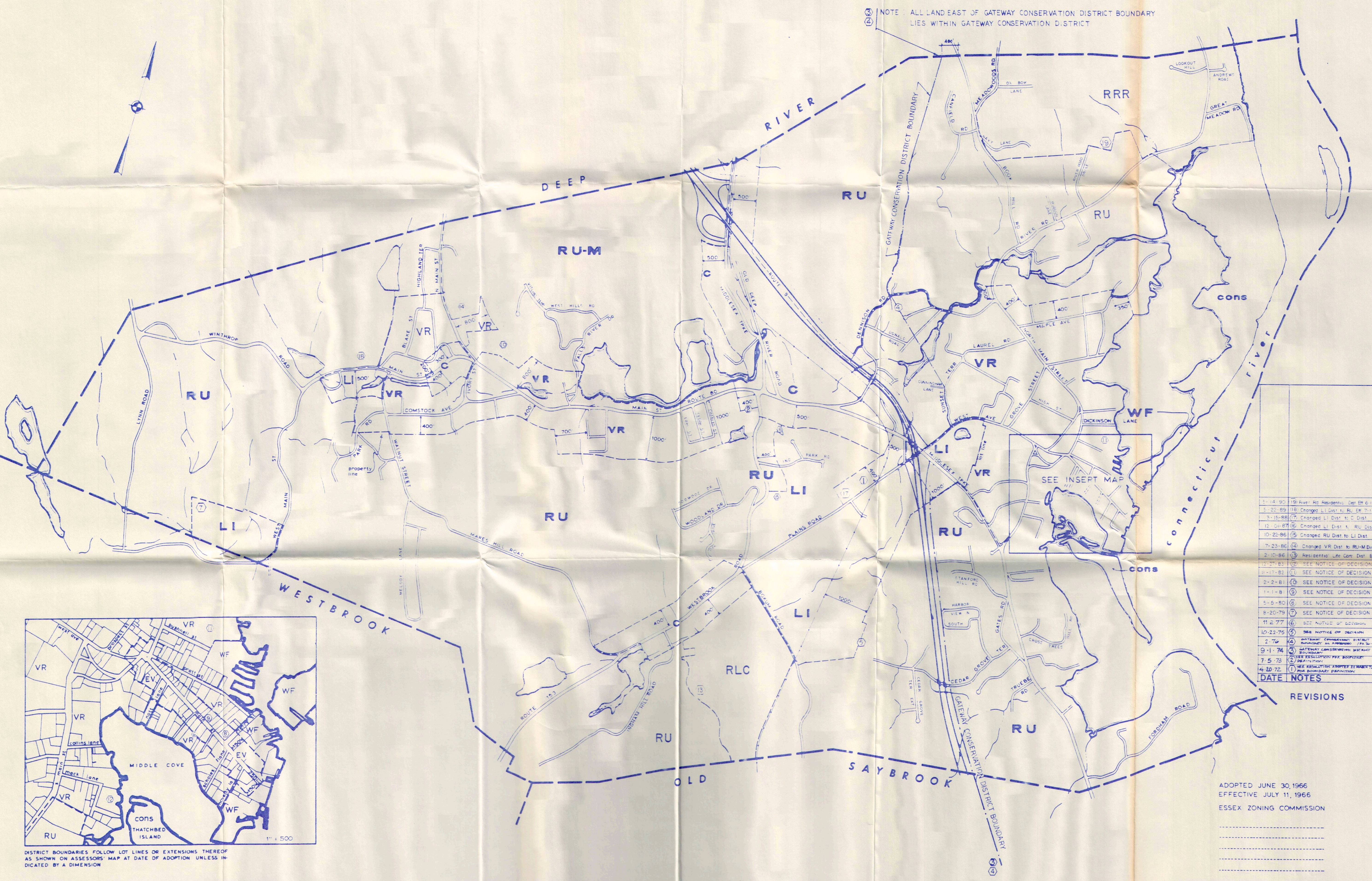
FUSS & O'NEILL
Consulting Engineers
MANCHESTER, CONNECTICUT

WATER QUALITY CLASSIFICATIONS
WASTEWATER MANAGEMENT STUDY

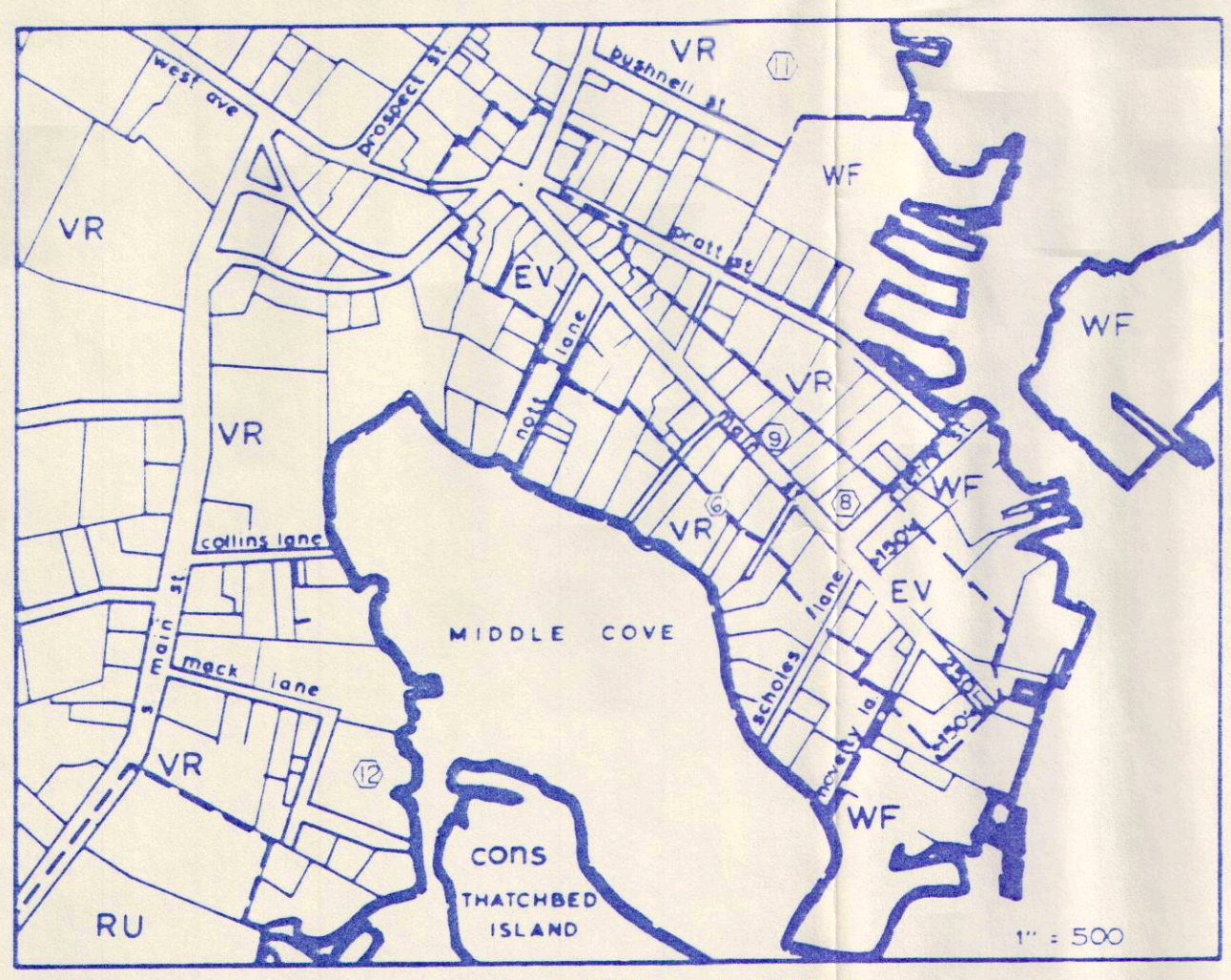
FOR
TOWN OF ESSEX

ESSEX
PROJECT NO. 88-57
DATE: FEB. 1989
SCALE: AS SHOWN
CONNECTICUT





NOTE: ALL LAND EAST OF GATEWAY CONSERVATION DISTRICT BOUNDARY LIES WITHIN GATEWAY CONSERVATION DISTRICT



DISTRICT BOUNDARIES FOLLOW LOT LINES OR EXTENSIONS THEREOF AS SHOWN ON ASSESSORS' MAP AT DATE OF ADOPTION UNLESS INDICATED BY A DIMENSION

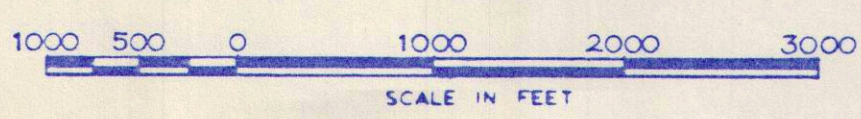
DATE	NOTES
1-14-90	(18) River Rd. Residential Dist. EH 6-1-90
2-22-89	(18) Changed LI Dist. to RU EH 7-1-89
3-15-88	(7) Changed LI Dist. to C Dist.
12-01-87	(6) Changed LI Dist. to RU Dist.
10-25-86	(15) Changed RU Dist. to LI Dist.
7-23-86	(14) Changed VR Dist. to RU-M Dist.
2-10-86	(13) Residential Life Care Dist. Bdry.
12-27-85	(12) SEE NOTICE OF DECISION
11-17-82	(11) SEE NOTICE OF DECISION
2-2-81	(10) SEE NOTICE OF DECISION
1-1-81	(9) SEE NOTICE OF DECISION
5-5-80	(8) SEE NOTICE OF DECISION
8-20-79	(7) SEE NOTICE OF DECISION
11-2-77	(6) SEE NOTICE OF DECISION
10-23-75	(5) SEE NOTICE OF DECISION
2-7-74	(4) GATEWAY CONSERVATION DISTRICT BOUNDARY AS AMENDED (PA 74-1)
9-1-74	(3) GATEWAY CONSERVATION DISTRICT BOUNDARY
7-5-73	(2) DEFINITION
4-20-72	(1) SEE RESOLUTION ADOPTE BY ESSEX ZONING COMMISSION FOR BOUNDARY DEFINITION

REVISIONS

ADOPTED JUNE 30, 1966
EFFECTIVE JULY 11, 1966
ESSEX ZONING COMMISSION

ESSEX
connecticut

ZONING MAP



TECHNICAL PLANNING ASSOCIATES
NEW HAVEN CONNECTICUT tpa

LEGEND

- ▲ SUBSURFACE SEWAGE DISPOSAL SYSTEM ON-SITE REPAIR (FROM 1980 TO 1988 INCLUSIVE)
- ▲x2 MULTIPLE SUBSURFACE DISPOSAL SYSTEM REPAIRS (INDICATES TOTAL NUMBER OF REPAIRS FROM 1980 TO 1988 INCLUSIVE)
- CURRENT, HIGH FREQUENCY OF SEPTIC TANK PUMP OUTS (>1.0 PUMP OUT PER YEAR)
- SUBSURFACE DISPOSAL SYSTEM REPAIR (FROM 1980 TO 1988 INCLUSIVE) AND HIGH FREQUENCY OF SEPTIC TANK PUMP OUTS
- INLAND WETLANDS
- WATER COURSES
- △ LIMIT OF ON-SITE SEWAGE DISPOSAL STUDY AREA
- (A) CONTINUED CONVENTIONAL ON-SITE SEWAGE DISPOSAL IS INDICATED
- (B) ON-SITE SEWAGE DISPOSAL GENERALLY VIABLE; SOME OFF-SITE ALTERNATIVES REQUIRED ON CERTAIN PROPERTIES.
- (C) AREAS OF CONCERN FOR ON-SITE SEWAGE DISPOSAL; SHOULD BE CLOSELY MONITORED.



FIGURE 4

FUSS & O'NEILL
CONSULTING ENGINEERS
MANCHESTER, CONNECTICUT

CONCEPTUAL SERVICE AREAS
WASTEWATER MANAGEMENT STUDY
FOR
TOWN OF ESSEX

ESSEX
PROJECT NO. 88-57H DATE: MAR. 1989 SCALE: AS SHOWN

REVISIONS
△ DEC. 17, 1990 LIMIT OF STUDY AREAS
△ FEB. 10, 1998 ESSEX PLAZA AND
BOKUM CENTER CHANGED FROM
C TO B
NOTE:
BASE MAP SOURCE: PHOTO REDUCTION AND
COMPOSITE OF ASSESSORS' MAPS, APRIL 1974

- LEGEND**
- PRIVATE WATER SUPPLY WELL LOCATION
 - MONITORING WELL LOCATION
 - TEST BORING LOCATION
 - ▲ SURFACE WATER SAMPLING LOCATION

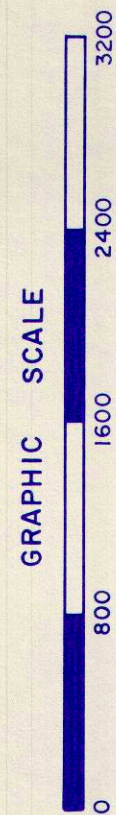
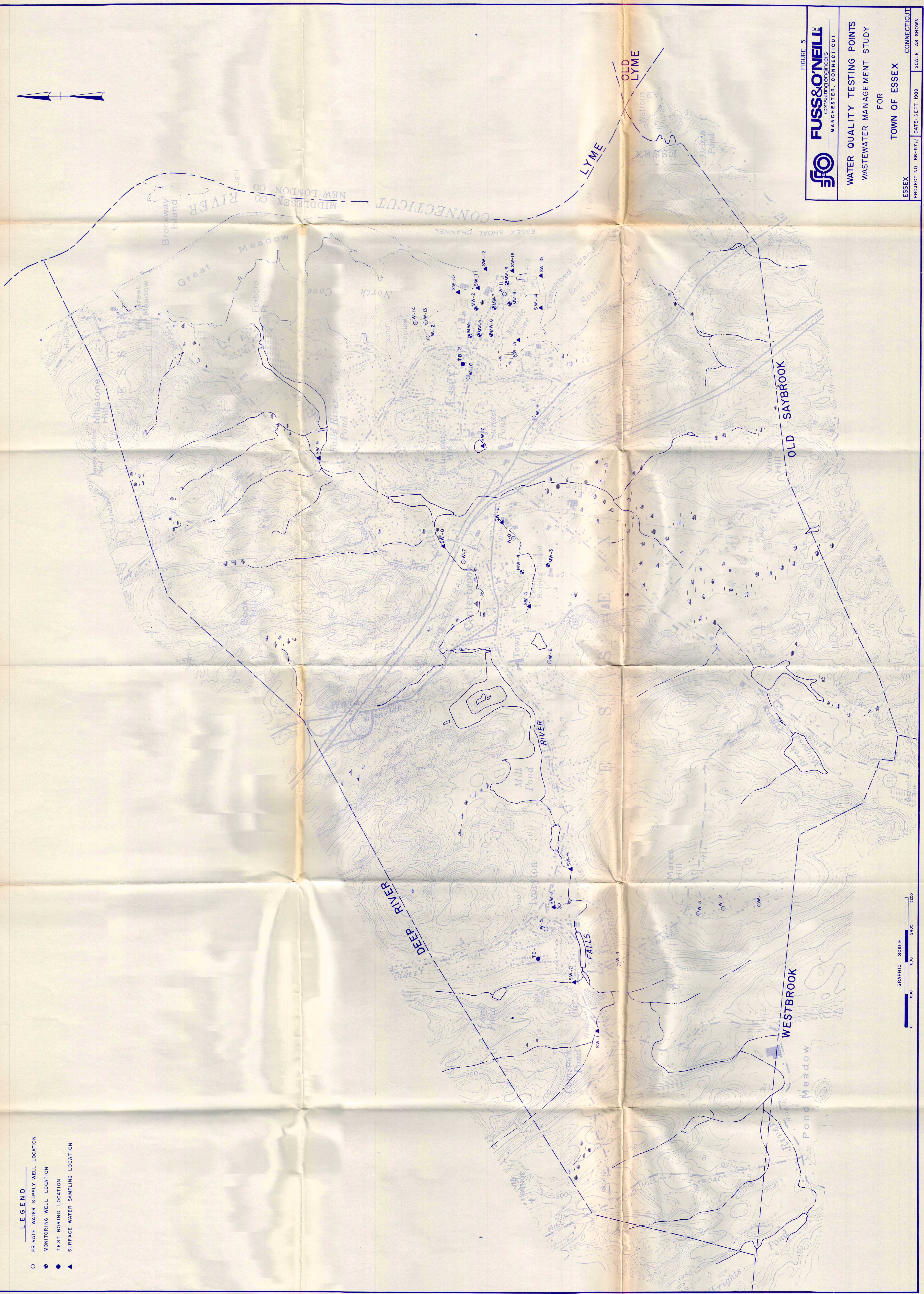
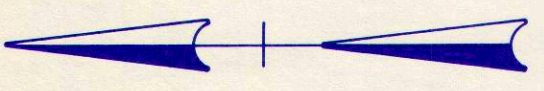


FIGURE 5

FUSS & O'NEILL
consulting engineers
MANCHESTER, CONNECTICUT

WATER QUALITY TESTING POINTS
WASTEWATER MANAGEMENT STUDY

FOR
TOWN OF ESSEX

ESSEX PROJECT NO. 88-577 DATE: SEPT. 1989 SCALE: AS SHOWN




LEGEND

- PRIVATE WELL LOCATION
- MONITORING WELL LOCATION
- ▲ SURFACE WATER SAMPLING LOCATION
- ▨ CT, DOHS ON-SITE REPAIR COULD BE MADE IF VARIANCE IN SEPARATING DISTANCES AND/OR LOW FLOW FIXTURES WERE USED.
- ▩ INADEQUATE SPACE FOR ANY REASONABLE CT, DOHS ON-SITE REPAIR.

FIGURE 6

FIGURE 8

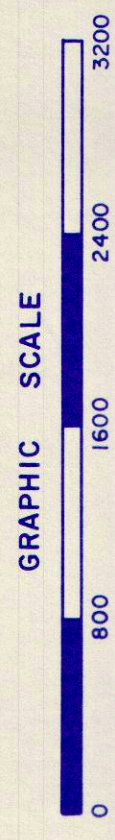
PROJ. MANAGER: FCS			 FUSS & O'NEILL consulting engineers MANCHESTER, CONNECTICUT			
CHIEF DESIGNER: PHG / R.E.M.						
REVIEWED	BY	DATE				
BOUNDARY						
FIELD EDIT						
GEOMETRY						
DRAFTING						
REVISION DATE:			TOWN OF ESSEX			
Δ 3/14/96	Δ	Δ				
Δ		Δ	CONNECTICUT			
SCALE:	HOR. 1 IN. = 100 FT.	VER. 1 IN. = 10 FT.	PROJECT 88-57 A2	FLD. BK.	DATE OCT. 1989	SHEET NO. OF

LEGEND

- COARSE-GRAINED STRATIFIED DRIFT
- FINE-GRAINED STRATIFIED DRIFT
- COARSE-GRAINED STRATIFIED DRIFT OVERLYING FINE-GRAINED STRATIFIED DRIFT
- LINE OF EQUAL SATURATED THICKNESS OF STRATIFIED DRIFT IN FEET
- GLACIAL TILL WITHIN STRATIFIED DRIFT AREA



NOTE:
BASE MAP SOURCE: "GEOHYDROLOGIC MAP OF THE LOWER CONNECTICUT RIVER BASIN," WATER RESOURCES BULLETIN NO. 31 PLATE (B) U.S.G.S. / CONN. D.E.P. 1982.




**FUSS & O'NEILL**
CONSULTING ENGINEERS
MANCHESTER, CONNECTICUT

FIGURE 7

GEOHYDROLOGIC MAP
AQUIFER PROTECTION STUDY
FOR
TOWN OF ESSEX

ESSEX

PROJECT NO. 88-57H

DATE: NOV. 1990

SCALE: AS SHOWN

CONNECTICUT

LEGEND

- WATER WELL
TEST HOLE

LINE OF EQUAL TRANSMISSIVITY OF STRATIFIED DRIFT IN FT²/DAY

TRANSMISSIVITY (FT²/DAY)

WATER WELLS	U.S.G.S. NO.	U.S.G.S. NAME	U.S.G.S. LOCATION
1	90	150	150
2	91	150	150
3	92	150	150
4	93	150	150
5	94	150	150
6	95	150	150
7	96	150	150
8	97	150	150
9	98	150	150
10	99	150	150
11	100	150	150
12	101	150	150
13	102	150	150
14	103	150	150
15	104	150	150
16	105	150	150
17	106	150	150
18	107	150	150
19	108	150	150
20	109	150	150
21	110	150	150
22	111	150	150
23	112	150	150
24	113	150	150
25	114	150	150
26	115	150	150
27	116	150	150
28	117	150	150
29	118	150	150
30	119	150	150
31	120	150	150
32	121	150	150
33	122	150	150
34	123	150	150
35	124	150	150
36	125	150	150
37	126	150	150
38	127	150	150
39	128	150	150
40	129	150	150
41	130	150	150
42	131	150	150
43	132	150	150
44	133	150	150
45	134	150	150
46	135	150	150
47	136	150	150
48	137	150	150
49	138	150	150
50	139	150	150
51	140	150	150
52	141	150	150
53	142	150	150
54	143	150	150
55	144	150	150
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57	146	150	150
58	147	150	150
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60	149	150	150
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65	154	150	150
66	155	150	150
67	156	150	150
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94	183	150	150
95	184	150	150
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99	188	150	150
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101	190	150	150
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211	300	150	150
212	301	150	150
213	302	150	150
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225	314	150	150
226	315	150	150
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229	318	150	150
230	319	150	150
231	320	150	150
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233	322	150	150
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237	326	150	150
238	327	150	150
239	328	150	150
240	329	150	150
241	330	150	150
242	331	150	150
243	332	150	150
244	333	150	150
245	334	150	150
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249	338	150	150
250	339	150	150
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328	417	150	150
329	418	150	150
330	419	150	150
331	420	150	150
332	421	150	150
333	422	150	150
334	423	150	150
335	424	150	150
336	425	150	150
337	426	150	150
338	427	150	150
339	428	150	150
340	429	150	150
341</			

LEGEND

- LIMIT OF STRATIFIED DRIFT AQUIFER (Q = 50 GPM ±)
- LIMIT OF DIRECT RECHARGE AREA
- LIMIT OF INDIRECT RECHARGE AREA

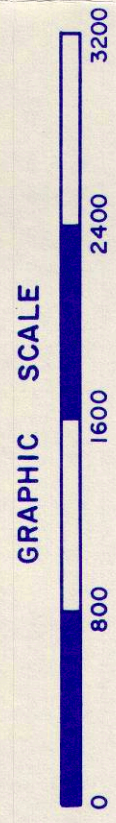
CONNECTICUT WATER CO DENNISON RD. WELL
(INITIAL SETBACK DELINEATION)

NOTE:
1. BASE MAP SOURCE: UNITED STATES GEOLOGICAL SURVEY,
1:25,000 SCALE, 1970. PHOTOGRAPHICALLY
INTERPRETED 1977.

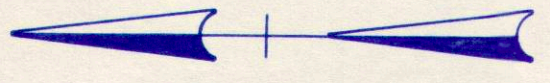
FUSS & O'NEILL
consulting engineers
MANCHESTER, CONNECTICUT

STRATIFIED DRIFT AQUIFERS
AQUIFER PROTECTION STUDY
FOR
TOWN OF ESSEX

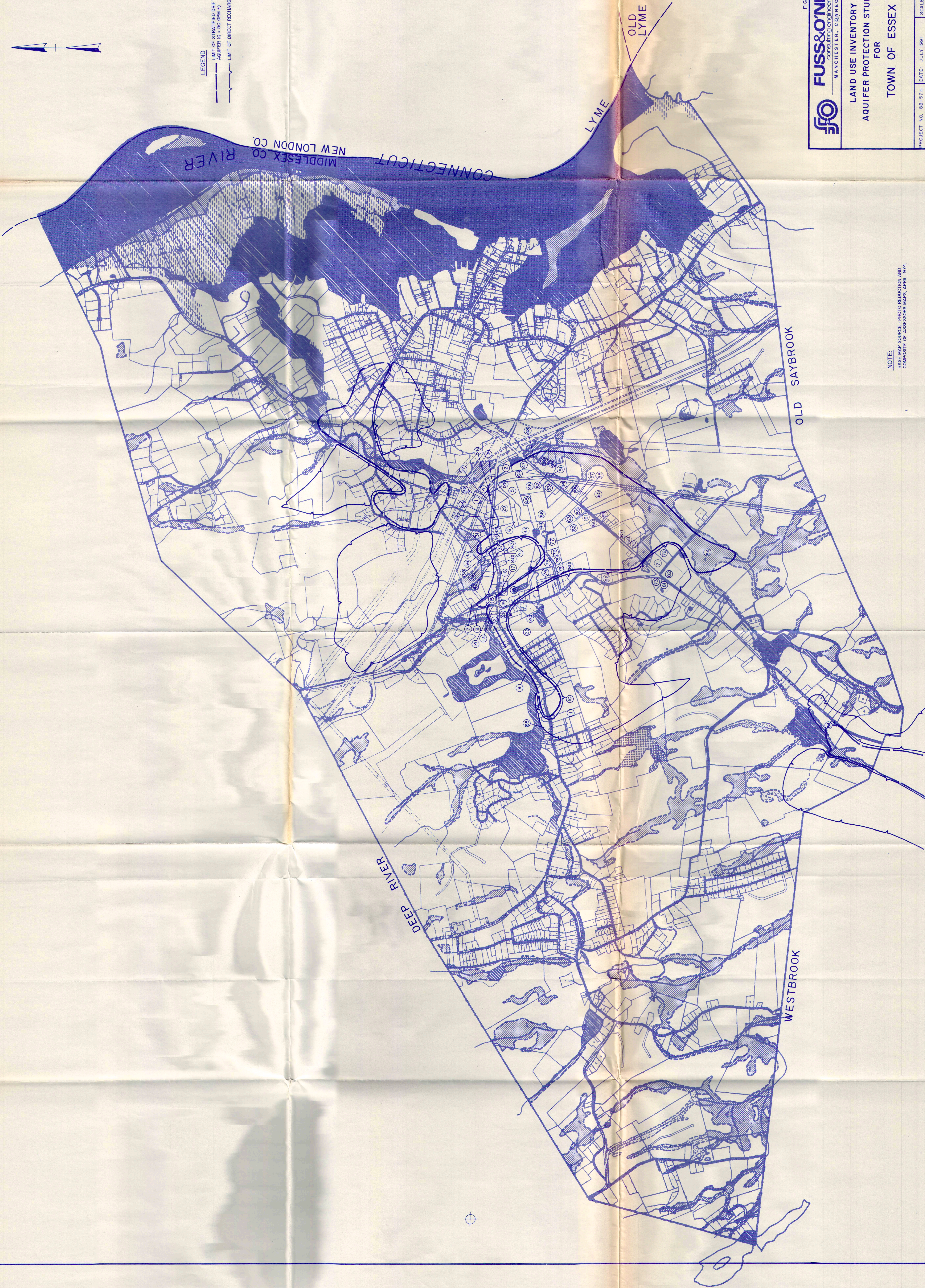
FIGURE 9



PROJECT NO. 88-57H DATE: NOV. 1990 SCALE: 1" = 800'



LEGEND
--- LIMIT OF STRATIFIED DRIFT
--- LIMIT OF DIRECT RECHARGE AREA



NOTE:
BASE MAP SOURCE: PHOTO REDUCTION AND
COMPOSITE OF ASSESSORS MAPS, APRIL 1974.

FIGURE 10
FUSS & O'NEILL
CONSULTING ENGINEERS
MANCHESTER, CONNECTICUT

LAND USE INVENTORY
AQUIFER PROTECTION STUDY
FOR
TOWN OF ESSEX

PROJECT NO. 88-57H DATE: JULY 1991 SCALE: 1" = 800'

Map Date: March 1, 1981

TOWN OF ESSEX, CONNECTICUT

OFFICIAL INLAND WETLANDS AND WATER COURSES MAP

 INLAND WETLANDS - Based on U.S.D.A. Soil Conservation Service Detailed Soil Maps, 1975
(Field sheets 445 and 447 revised May, 1976)

 WATER COURSES

 Tidal Marsh Soils (For reference purposes only)

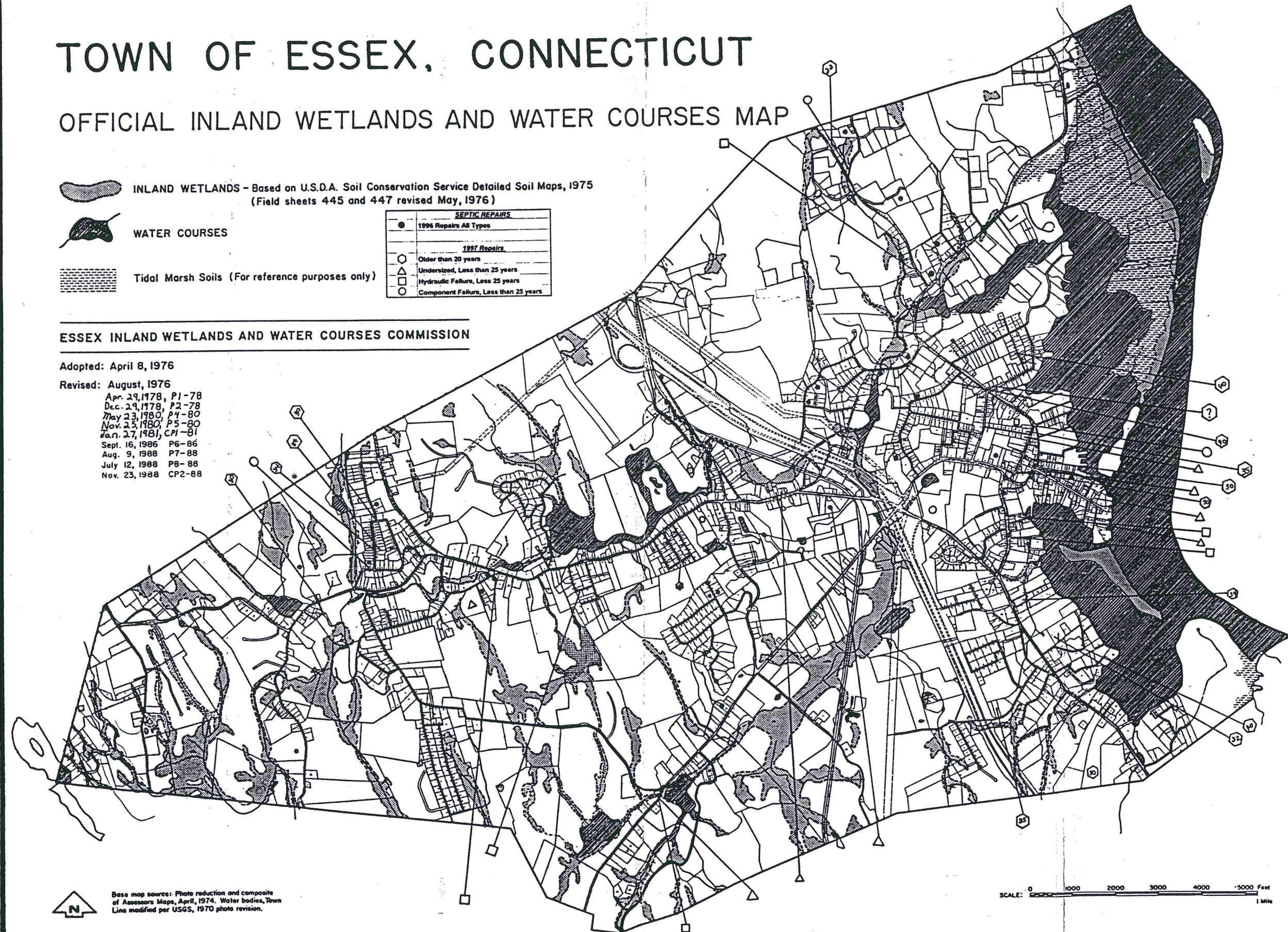
SEPTIC REPAIRS	
●	1996 Repairs All Types
1997 Repairs	
○	Older than 20 years
□	Undersized, Less than 25 years
△	Hydraulic Failure, Less than 25 years
◇	Component Failure, Less than 25 years

ESSEX INLAND WETLANDS AND WATER COURSES COMMISSION

Adopted: April 8, 1976

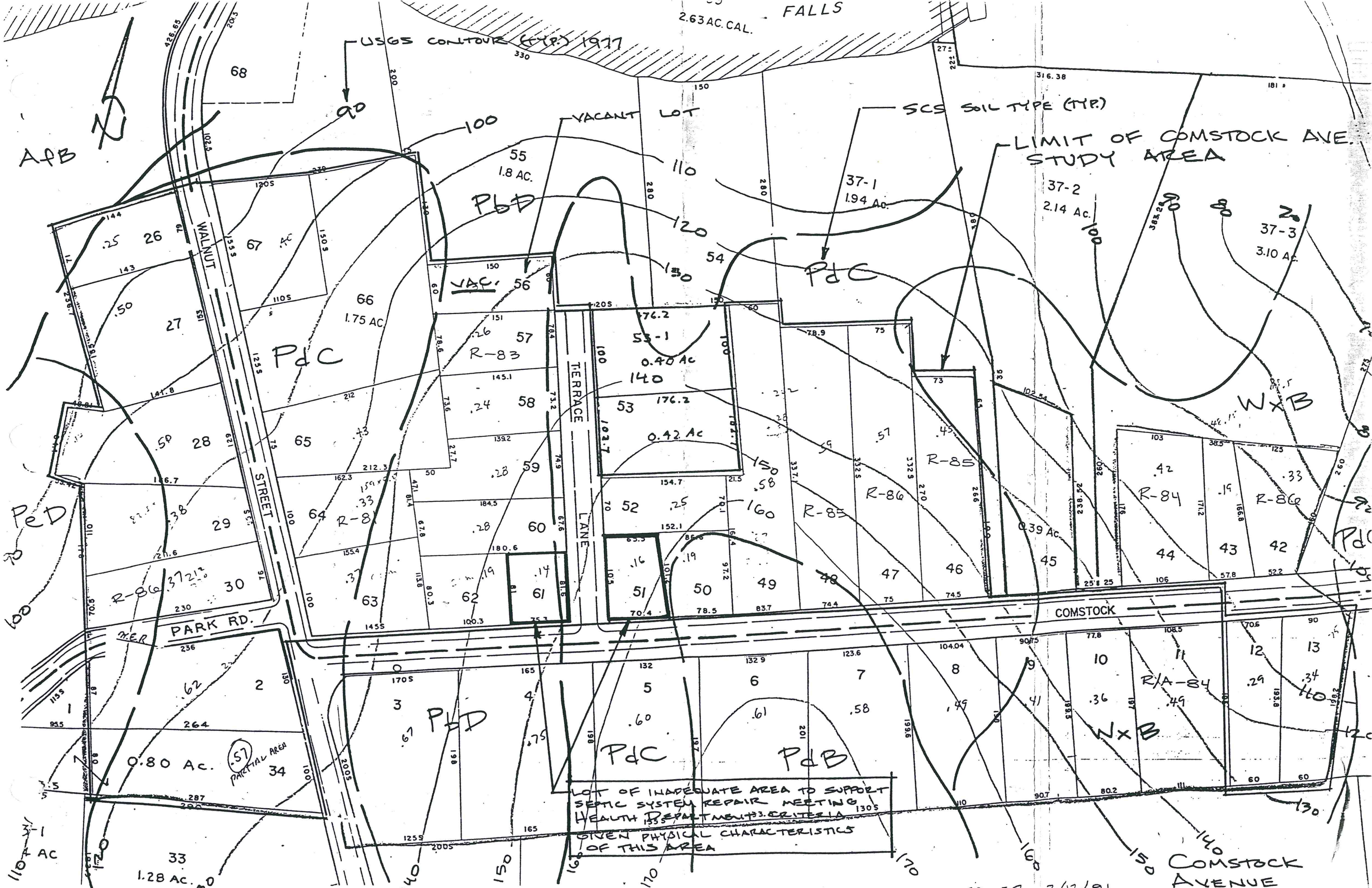
Revised: August, 1976

Apr. 29, 1978, P1-78
Dec. 29, 1978, P2-78
May 23, 1980, P4-80
Nov. 23, 1980, P5-80
Jan. 27, 1981, CP1-81
Sept. 16, 1986, P6-86
Aug. 9, 1988, P7-88
July 12, 1988, P8-88
Nov. 23, 1988, CP2-88



Base map source: Photo reduction and composite
of Assessors Maps, April, 1974. Water bodies, Town
Line modified per USGS, 1970 photo revision.

SCALE: 0 1000 2000 3000 4000 5000 Feet
1 Mile



LOT OF INADEQUATE AREA TO SUPPORT
SEPTIC SYSTEM REPAIR MEETING
HEALTH DEPARTMENT'S CRITERIA
GIVEN PHYSICAL CHARACTERISTICS
OF THIS AREA

2/12/91