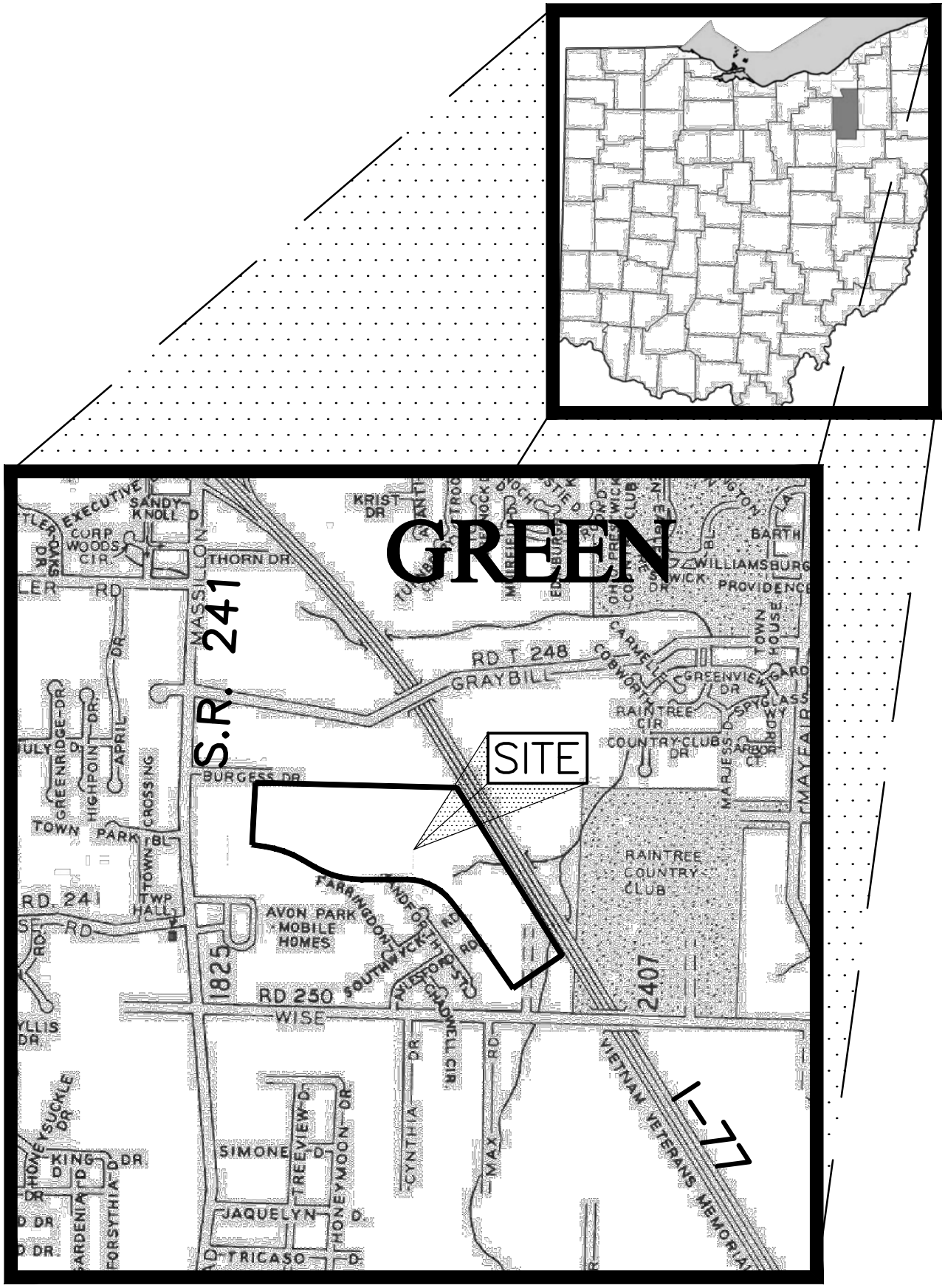


FIG. 1
SITE LOCATION MAP

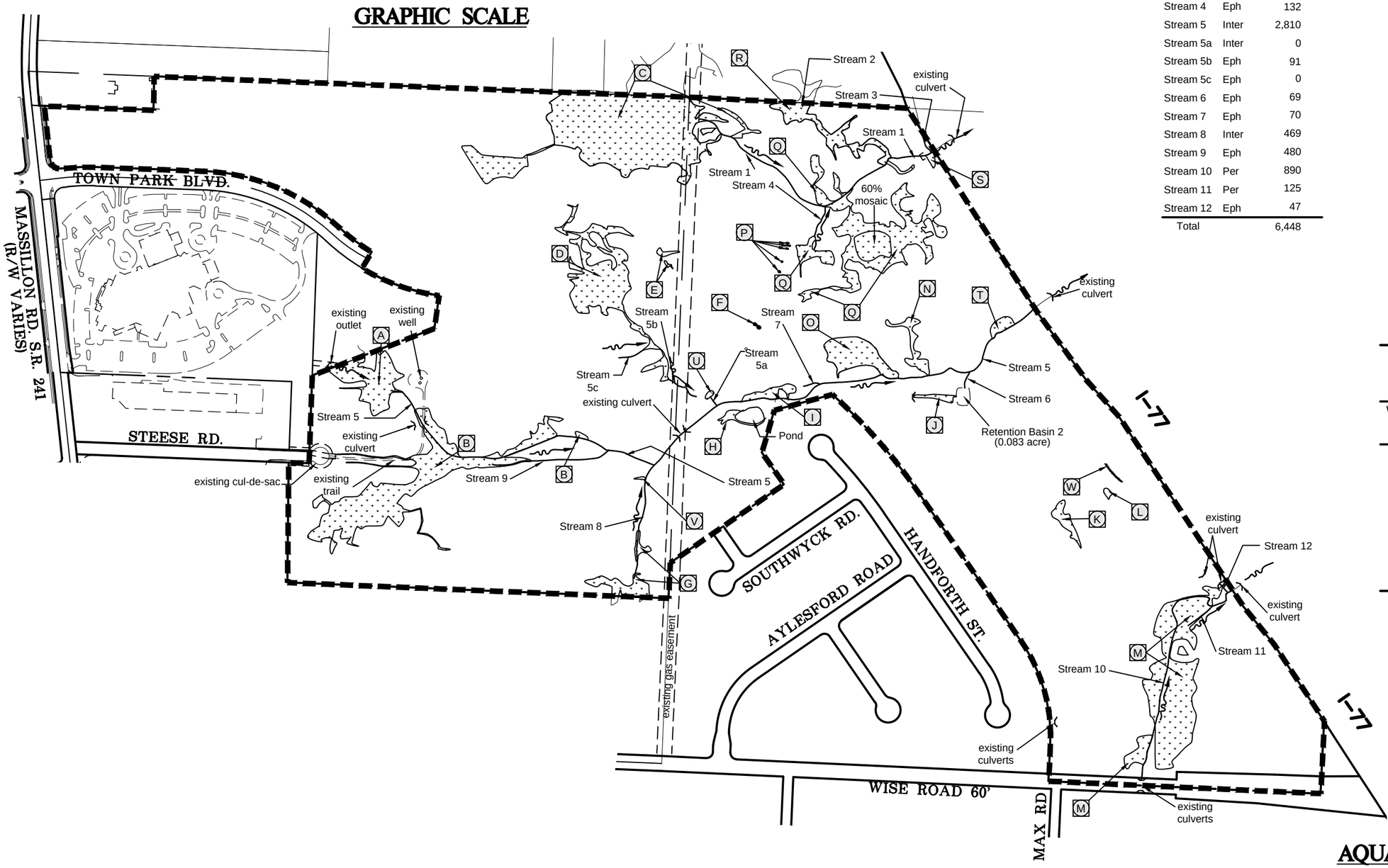
FIG. 2
SITE AERIAL VIEW

LEGEND

= Approximate study area

0 200' 400' 800'

GRAPHIC SCALE



Stream Data

Stream Mark		Union Sq./Diebold Stream (L.F.)
Stream 1	Inter	1,148
Stream 2	Eph	14
Stream 3	Inter	103
Stream 4	Eph	132
Stream 5	Inter	2,810
Stream 5a	Inter	0
Stream 5b	Eph	91
Stream 5c	Eph	0
Stream 6	Eph	69
Stream 7	Eph	70
Stream 8	Inter	469
Stream 9	Eph	480
Stream 10	Per	890
Stream 11	Per	125
Stream 12	Eph	47
Total		6,448

Wetland Data

Wetland Mark	Union Sq./Diebold Area
A	0.784 ac.
B	2.548 ac.
C	4.318 ac.
D	1.338 ac.
G	0.329 ac.
H	0.069 ac.
I	0.150 ac.
J	0.065 ac.
M	1.747 ac.
N	0.204 ac.
O	0.442 ac.
Q	2.006 ac.
R	0.550 ac.
S	0.029 ac.
T	0.101 ac.
U	0.000 ac.
V	0.007 ac.
Total	14.687 ac.

Isolated Wetland Data

Wetland Mark	Union Sq./Diebold Area
E	0.038 ac.
F	0.007 ac.
K	0.147 ac.
L	0.019 ac.
P	0.005 ac.
W	0.005 ac.
Total	0.221 ac.

FIG 3
AQUATIC RESOURCES SITE PLAN

LEGEND

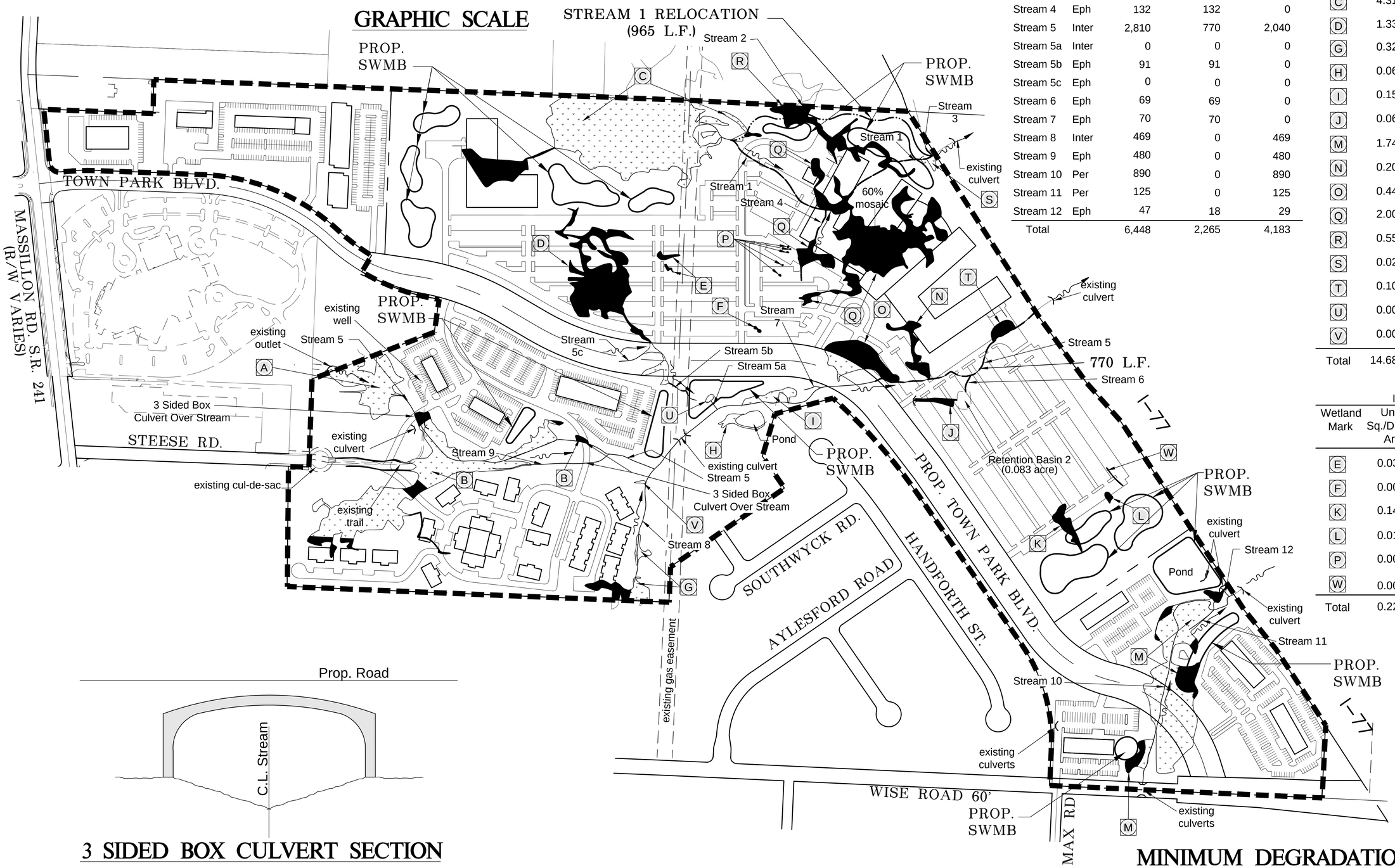
▬ ▬ ▬ ▬ = Approximate study area

SWMB = Storm Water Management Basin

0 200' 400' 800'

GRAPHIC SCALE

NOTE:
IMPACTED WETLAND AREAS SHOWN WITH SOLID SHADING. STREAMS ARE SHOWN WITH BOLD LINE & LENGTH IMPACTED.



Stream Data

Stream Mark		Union Sq./Diebold Stream (L.F.)	Union Sq./Diebold Impact (L.F.)	Preserved Stream (L.F.)
Stream 1	Inter	1,148	998	150
Stream 2	Eph	14	14	0
Stream 3	Inter	103	103	0
Stream 4	Eph	132	132	0
Stream 5	Inter	2,810	770	2,040
Stream 5a	Inter	0	0	0
Stream 5b	Eph	91	91	0
Stream 5c	Eph	0	0	0
Stream 6	Eph	69	69	0
Stream 7	Eph	70	70	0
Stream 8	Inter	469	0	469
Stream 9	Eph	480	0	480
Stream 10	Per	890	0	890
Stream 11	Per	125	0	125
Stream 12	Eph	47	18	29
Total		6,448	2,265	4,183

Wetland Data

Wetland Mark	Union Sq./Diebold Area	Union Sq./Diebold Impact	Preserved Wetland Area
A	0.784 ac.	0.000 ac.	0.784 ac.
B	2.548 ac.	0.328 ac.	2.220 ac.
C	4.318 ac.	0.480 ac.	3.838 ac.
D	1.338 ac.	1.321 ac.	0.017 ac.
G	0.329 ac.	0.149 ac.	0.180 ac.
H	0.069 ac.	0.069 ac.	0.000 ac.
I	0.150 ac.	0.150 ac.	0.000 ac.
J	0.065 ac.	0.065 ac.	0.000 ac.
M	1.747 ac.	0.444 ac.	1.303 ac.
N	0.204 ac.	0.204 ac.	0.000 ac.
O	0.442 ac.	0.442 ac.	0.000 ac.
Q	2.006 ac.	2.006 ac.	0.000 ac.
R	0.550 ac.	0.550 ac.	0.000 ac.
S	0.029 ac.	0.000 ac.	0.029 ac.
T	0.101 ac.	0.101 ac.	0.000 ac.
U	0.000 ac.	0.000 ac.	0.000 ac.
V	0.007 ac.	0.000 ac.	0.007 ac.
Total	14.687 ac.	6.309 ac.	8.378 ac.

Isolated Wetland Data

Wetland Mark	Union Sq./Diebold Area	Union Sq./Diebold Impact	Preserved Wetland Area
E	0.038 ac.	0.038 ac.	0.000 ac.
F	0.007 ac.	0.007 ac.	0.000 ac.
K	0.147 ac.	0.147 ac.	0.000 ac.
L	0.019 ac.	0.019 ac.	0.000 ac.
P	0.005 ac.	0.005 ac.	0.000 ac.
W	0.005 ac.	0.005 ac.	0.000 ac.
Total	0.221 ac.	0.221 ac.	0.000 ac.

3 SIDED BOX CULVERT SECTION

FIG 4A

MINIMUM DEGRADATION ALTERNATIVE SITE PLAN

LEGEND

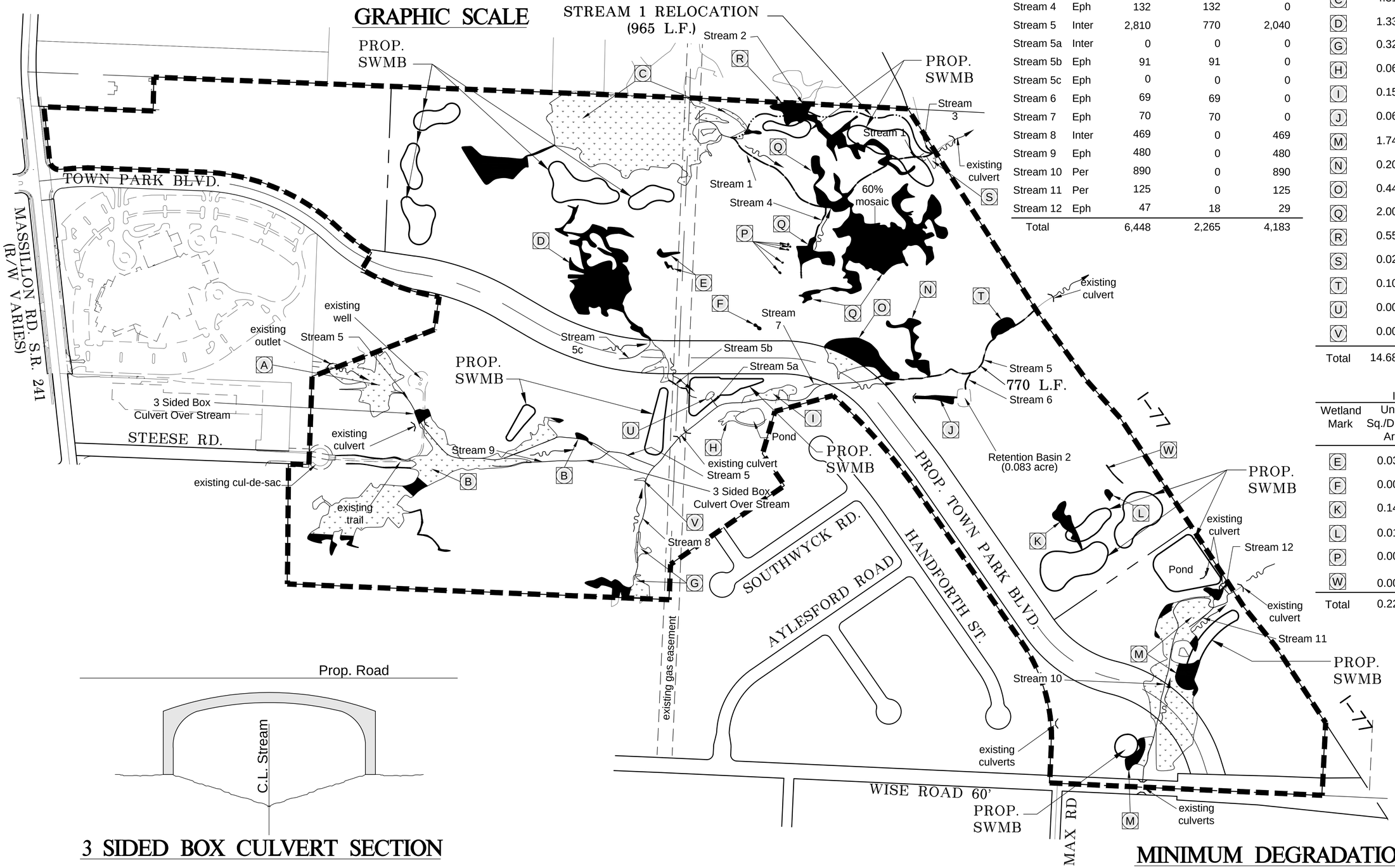
▬ ▬ ▬ ▬ = Approximate study area

SWMB = Storm Water Management Basin

0 200' 400' 800'

GRAPHIC SCALE

NOTE:
IMPACTED WETLAND AREAS SHOWN WITH SOLID SHADING. STREAMS ARE SHOWN WITH BOLD LINE & LENGTH IMPACTED.



3 SIDED BOX CULVERT SECTION

Stream Data

Stream Mark		Union Sq./Diebold Stream (L.F.)	Union Sq./Diebold Impact (L.F.)	Preserved Stream (L.F.)
Stream 1	Inter	1,148	998	150
Stream 2	Eph	14	14	0
Stream 3	Inter	103	103	0
Stream 4	Eph	132	132	0
Stream 5	Inter	2,810	770	2,040
Stream 5a	Inter	0	0	0
Stream 5b	Eph	91	91	0
Stream 5c	Eph	0	0	0
Stream 6	Eph	69	69	0
Stream 7	Eph	70	70	0
Stream 8	Inter	469	0	469
Stream 9	Eph	480	0	480
Stream 10	Per	890	0	890
Stream 11	Per	125	0	125
Stream 12	Eph	47	18	29
Total		6,448	2,265	4,183

Wetland Data

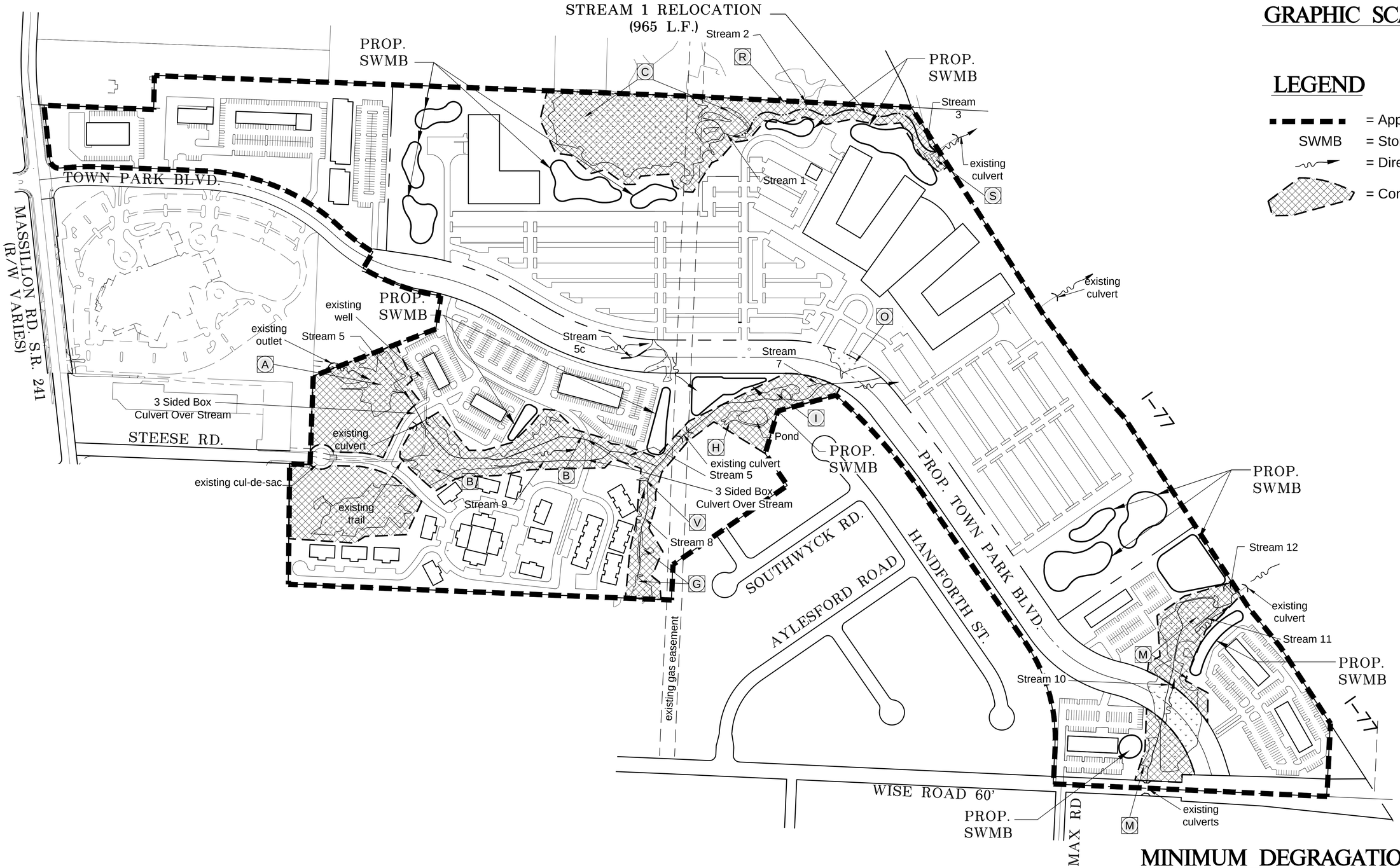
Wetland Mark	Union Sq./Diebold Area	Union Sq./Diebold Impact	Preserved Wetland Area
A	0.784 ac.	0.000 ac.	0.784 ac.
B	2.548 ac.	0.328 ac.	2.220 ac.
C	4.318 ac.	0.480 ac.	3.838 ac.
D	1.338 ac.	1.321 ac.	0.017 ac.
G	0.329 ac.	0.149 ac.	0.180 ac.
H	0.069 ac.	0.069 ac.	0.000 ac.
I	0.150 ac.	0.150 ac.	0.000 ac.
J	0.065 ac.	0.065 ac.	0.000 ac.
M	1.747 ac.	0.444 ac.	1.303 ac.
N	0.204 ac.	0.204 ac.	0.000 ac.
O	0.442 ac.	0.442 ac.	0.000 ac.
Q	2.006 ac.	2.006 ac.	0.000 ac.
R	0.550 ac.	0.550 ac.	0.000 ac.
S	0.029 ac.	0.000 ac.	0.029 ac.
T	0.101 ac.	0.101 ac.	0.000 ac.
U	0.000 ac.	0.000 ac.	0.000 ac.
V	0.007 ac.	0.000 ac.	0.007 ac.
Total	14.687 ac.	6.309 ac.	8.378 ac.

Isolated Wetland Data

Wetland Mark	Union Sq./Diebold Area	Union Sq./Diebold Impact	Preserved Wetland Area
E	0.038 ac.	0.038 ac.	0.000 ac.
F	0.007 ac.	0.007 ac.	0.000 ac.
K	0.147 ac.	0.147 ac.	0.000 ac.
L	0.019 ac.	0.019 ac.	0.000 ac.
P	0.005 ac.	0.005 ac.	0.000 ac.
W	0.005 ac.	0.005 ac.	0.000 ac.
Total	0.221 ac.	0.221 ac.	0.000 ac.

FIG 4B

MINIMUM DEGRADATION ALTERNATIVE IMPACT FOOTPRINT



0 200' 400' 800'

GRAPHIC SCALE

LEGEND

= Approximate study area

SWMB = Storm Water Management Basin

= Direction of flow

= Conservation Area

CONSEVATION AREA:
22.490 AC.

FIG. 4C
MINIMUM DEGRAGATION ALTERNATIVE
ON-SITE PRESERVATION AREA

LEGEND

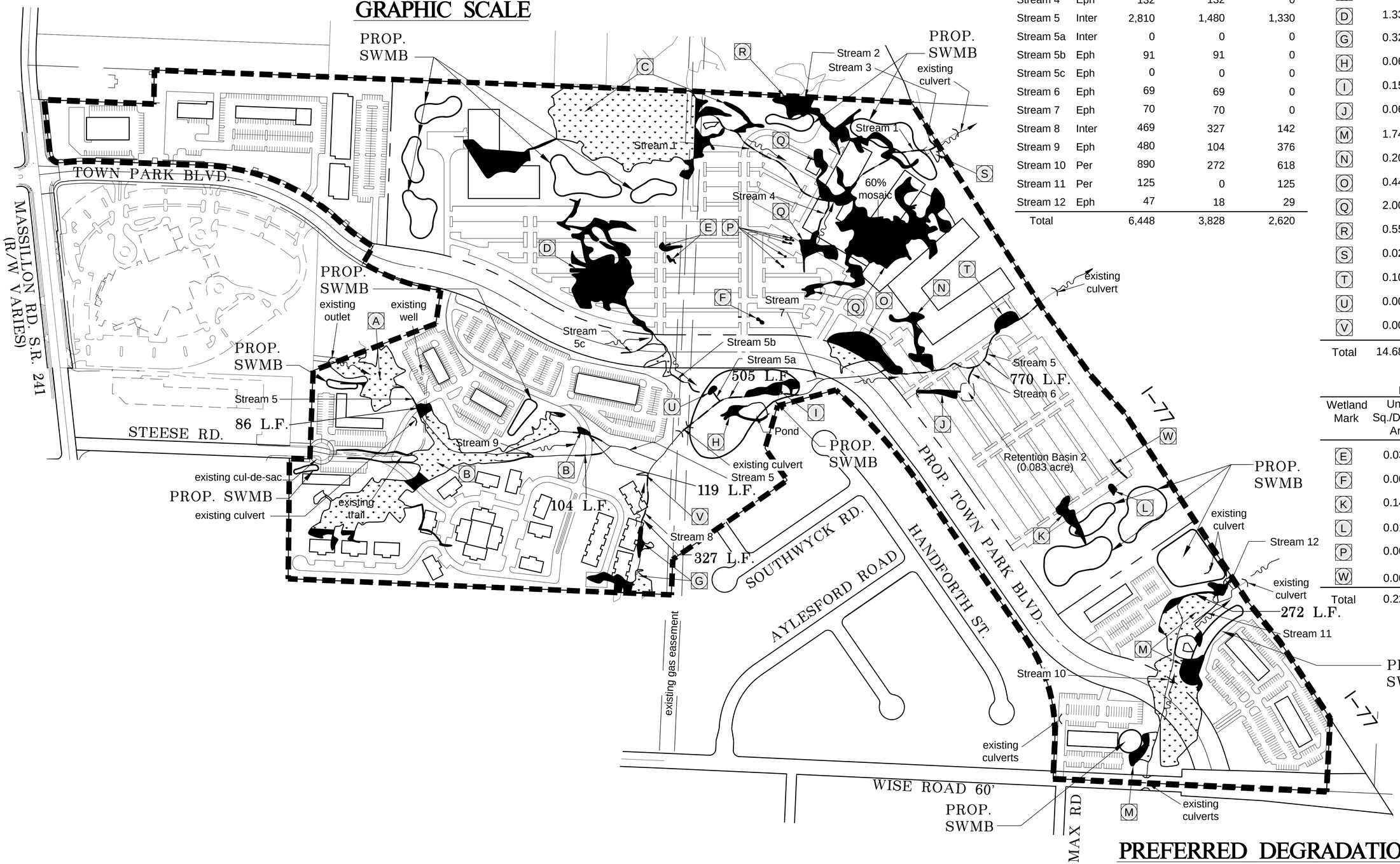
= Approximate study area

SWMB = Storm Water Management Basin

0 200' 400' 800'

GRAPHIC SCALE

NOTE:
IMPACTED WETLAND AREAS SHOWN WITH SOLID SHADING. STREAMS ARE SHOWN WITH BOLD LINE & LENGTH IMPACTED.



Stream Data

Stream Mark		Union Sq./Diebold Stream (L.F.)	Union Sq./Diebold Impact (L.F.)	Preserved Stream (L.F.)
Stream 1	Inter	1,148	1,148	0
Stream 2	Eph	14	14	0
Stream 3	Inter	103	103	0
Stream 4	Eph	132	132	0
Stream 5	Inter	2,810	1,480	1,330
Stream 5a	Inter	0	0	0
Stream 5b	Eph	91	91	0
Stream 5c	Eph	0	0	0
Stream 6	Eph	69	69	0
Stream 7	Eph	70	70	0
Stream 8	Inter	469	327	142
Stream 9	Eph	480	104	376
Stream 10	Per	890	272	618
Stream 11	Per	125	0	125
Stream 12	Eph	47	18	29
Total		6,448	3,828	2,620

Wetland Data

Wetland Mark	Union Sq./Diebold Area	Union Sq./Diebold Impact	Preserved Wetland Area
A	0.784 ac.	0.011 ac.	0.773 ac.
B	2.548 ac.	0.328 ac.	2.220 ac.
C	4.318 ac.	0.826 ac.	3.492 ac.
D	1.338 ac.	1.321 ac.	0.017 ac.
G	0.329 ac.	0.194 ac.	0.135 ac.
H	0.069 ac.	0.069 ac.	0.000 ac.
I	0.150 ac.	0.150 ac.	0.000 ac.
J	0.065 ac.	0.065 ac.	0.000 ac.
M	1.747 ac.	0.444 ac.	1.303 ac.
N	0.204 ac.	0.204 ac.	0.000 ac.
O	0.442 ac.	0.442 ac.	0.000 ac.
Q	2.006 ac.	2.006 ac.	0.000 ac.
R	0.550 ac.	0.550 ac.	0.000 ac.
S	0.029 ac.	0.000 ac.	0.029 ac.
T	0.101 ac.	0.101 ac.	0.000 ac.
U	0.000 ac.	0.000 ac.	0.000 ac.
V	0.007 ac.	0.000 ac.	0.007 ac.
Total	14.687 ac.	6.711 ac.	8.039 ac.

Isolated Wetland Data

Wetland Mark	Union Sq./Diebold Area	Union Sq./Diebold Impact	Preserved Wetland Area
E	0.038 ac.	0.038 ac.	0.000 ac.
F	0.007 ac.	0.007 ac.	0.000 ac.
K	0.147 ac.	0.147 ac.	0.000 ac.
L	0.019 ac.	0.019 ac.	0.000 ac.
P	0.005 ac.	0.005 ac.	0.000 ac.
W	0.005 ac.	0.005 ac.	0.000 ac.
Total	0.221 ac.	0.221 ac.	0.000 ac.

FIG 5A
PREFERRED DEGRADATION ALTERNATIVE SITE PLAN

LEGEND

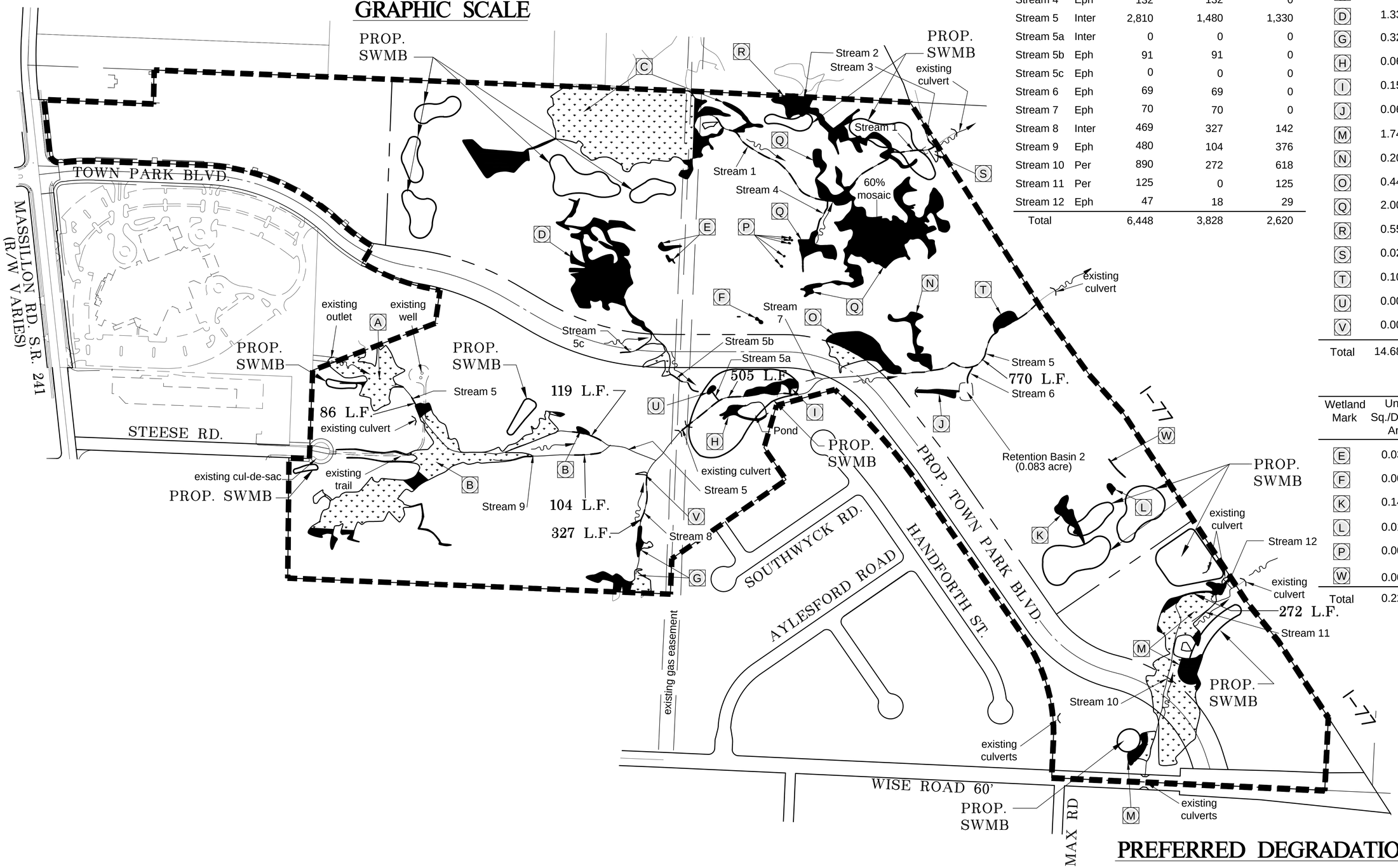
= Approximate study area

SWMB = Storm Water Management Basin

0 200' 400' 800'

GRAPHIC SCALE

NOTE:
IMPACTED WETLAND AREAS SHOWN WITH SOLID SHADING. STREAMS ARE SHOWN WITH BOLD LINE & LENGTH IMPACTED.



Stream Mark		Stream Data: Union Sq./Diebold Stream (L.F.)	Union Sq./Diebold Impact (L.F.)	Preserved Stream (L.F.)
Stream 1	Inter	1,148	1,148	0
Stream 2	Eph	14	14	0
Stream 3	Inter	103	103	0
Stream 4	Eph	132	132	0
Stream 5	Inter	2,810	1,480	1,330
Stream 5a	Inter	0	0	0
Stream 5b	Eph	91	91	0
Stream 5c	Eph	0	0	0
Stream 6	Eph	69	69	0
Stream 7	Eph	70	70	0
Stream 8	Inter	469	327	142
Stream 9	Eph	480	104	376
Stream 10	Per	890	272	618
Stream 11	Per	125	0	125
Stream 12	Eph	47	18	29
Total		6,448	3,828	2,620

Wetland Mark	Wetland Data: Union Sq./Diebold Area	Union Sq./Diebold Impact	Preserved Wetland Area
A	0.784 ac.	0.011 ac.	0.773 ac.
B	2.548 ac.	0.328 ac.	2.220 ac.
C	4.318 ac.	0.826 ac.	3.492 ac.
D	1.338 ac.	1.321 ac.	0.017 ac.
G	0.329 ac.	0.194 ac.	0.135 ac.
H	0.069 ac.	0.069 ac.	0.000 ac.
I	0.150 ac.	0.150 ac.	0.000 ac.
J	0.065 ac.	0.065 ac.	0.000 ac.
M	1.747 ac.	0.444 ac.	1.303 ac.
N	0.204 ac.	0.204 ac.	0.000 ac.
O	0.442 ac.	0.442 ac.	0.000 ac.
Q	2.006 ac.	2.006 ac.	0.000 ac.
R	0.550 ac.	0.550 ac.	0.000 ac.
S	0.029 ac.	0.000 ac.	0.029 ac.
T	0.101 ac.	0.101 ac.	0.000 ac.
U	0.000 ac.	0.000 ac.	0.000 ac.
V	0.007 ac.	0.000 ac.	0.007 ac.
Total	14.687 ac.	6.711 ac.	8.039 ac.

Wetland Mark	Union Sq./Diebold Area	Union Sq./Diebold Impact	Preserved Wetland Area
E	0.038 ac.	0.038 ac.	0.000 ac.
F	0.007 ac.	0.007 ac.	0.000 ac.
K	0.147 ac.	0.147 ac.	0.000 ac.
L	0.019 ac.	0.019 ac.	0.000 ac.
P	0.005 ac.	0.005 ac.	0.000 ac.
W	0.005 ac.	0.005 ac.	0.000 ac.
Total	0.221 ac.	0.221 ac.	0.000 ac.

FIG 5B
PREFERRED DEGRADATION ALTERNATIVE IMPACT FOOTPRINT

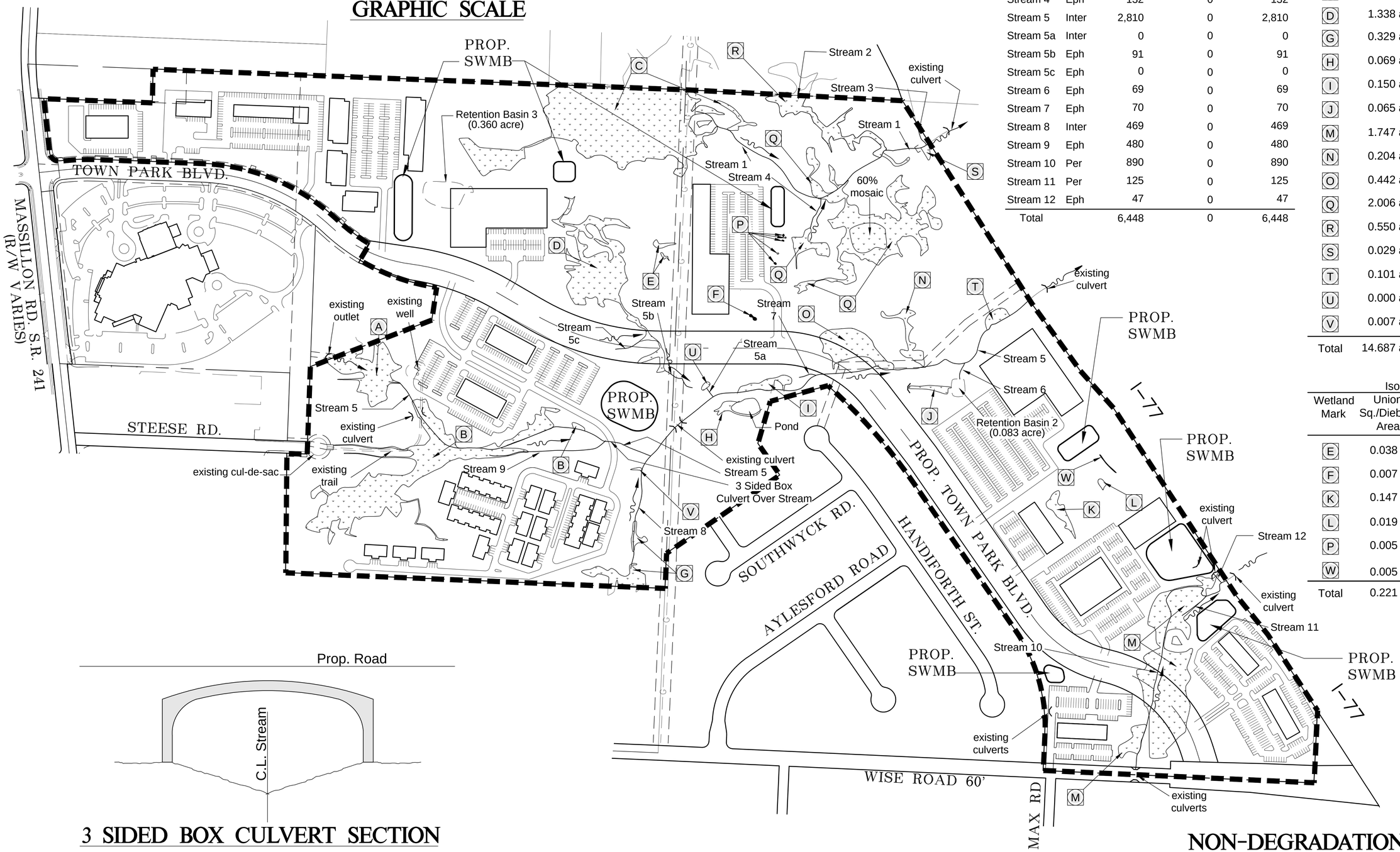
LEGEND

▬ ▬ ▬ ▬ = Approximate study area

SWMB = Storm Water Management Basin

0 200' 400' 800'

GRAPHIC SCALE



Prop. Road

3 SIDED BOX CULVERT SECTION

Stream Mark		Stream Data: Union Sq./Diebold Stream (L.F.)	Union Sq./Diebold Impact (L.F.)	Preserved Stream (L.F.)
Stream 1	Inter	1,148	0	1,148
Stream 2	Eph	14	0	14
Stream 3	Inter	103	0	103
Stream 4	Eph	132	0	132
Stream 5	Inter	2,810	0	2,810
Stream 5a	Inter	0	0	0
Stream 5b	Eph	91	0	91
Stream 5c	Eph	0	0	0
Stream 6	Eph	69	0	69
Stream 7	Eph	70	0	70
Stream 8	Inter	469	0	469
Stream 9	Eph	480	0	480
Stream 10	Per	890	0	890
Stream 11	Per	125	0	125
Stream 12	Eph	47	0	47
Total		6,448	0	6,448

Wetland Mark	Wetland Data: Union Sq./Diebold Area	Union Sq./Diebold Impact	Preserved Wetland Area
A	0.784 ac.	0.000 ac.	0.784 ac.
B	2.548 ac.	0.000 ac.	2.548 ac.
C	4.318 ac.	0.000 ac.	4.318 ac.
D	1.338 ac.	0.000 ac.	1.338 ac.
G	0.329 ac.	0.000 ac.	0.329 ac.
H	0.069 ac.	0.000 ac.	0.069 ac.
I	0.150 ac.	0.000 ac.	0.150 ac.
J	0.065 ac.	0.000 ac.	0.065 ac.
M	1.747 ac.	0.000 ac.	1.747 ac.
N	0.204 ac.	0.000 ac.	0.204 ac.
O	0.442 ac.	0.000 ac.	0.442 ac.
Q	2.006 ac.	0.000 ac.	2.006 ac.
R	0.550 ac.	0.000 ac.	0.550 ac.
S	0.029 ac.	0.000 ac.	0.029 ac.
T	0.101 ac.	0.000 ac.	0.101 ac.
U	0.000 ac.	0.000 ac.	0.000 ac.
V	0.007 ac.	0.000 ac.	0.007 ac.
Total	14.687 ac.	0.000 ac.	14.687 ac.

Wetland Mark	Isolated Wetland Data: Union Sq./Diebold Area	Union Sq./Diebold Impact	Preserved Wetland Area
E	0.038 ac.	0.000 ac.	0.038 ac.
F	0.007 ac.	0.000 ac.	0.007 ac.
K	0.147 ac.	0.000 ac.	0.147 ac.
L	0.019 ac.	0.000 ac.	0.019 ac.
P	0.005 ac.	0.000 ac.	0.005 ac.
W	0.005 ac.	0.000 ac.	0.005 ac.
Total	0.221 ac.	0.000 ac.	0.221 ac.

FIG 6A

NON-DEGRADATION ALTERNATIVE SITE PLAN

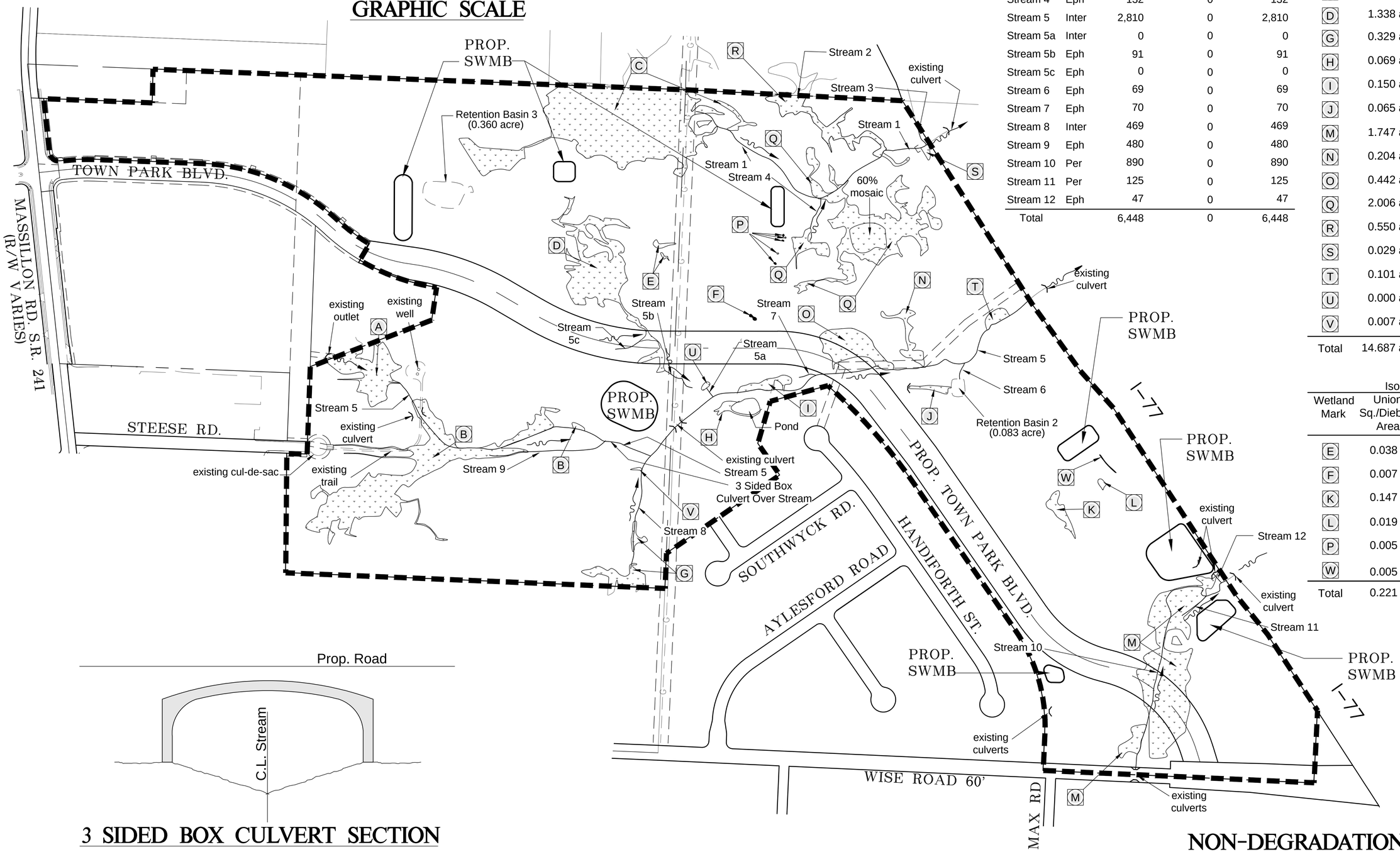
LEGEND

= Approximate study area

SWMB = Storm Water Management Basin

0 200' 400' 800'

GRAPHIC SCALE



Prop. Road

3 SIDED BOX CULVERT SECTION

Stream Mark		Union Sq./Diebold Stream (L.F.)	Union Sq./Diebold Impact (L.F.)	Preserved Stream (L.F.)
Stream 1	Inter	1,148	0	1,148
Stream 2	Eph	14	0	14
Stream 3	Inter	103	0	103
Stream 4	Eph	132	0	132
Stream 5	Inter	2,810	0	2,810
Stream 5a	Inter	0	0	0
Stream 5b	Eph	91	0	91
Stream 5c	Eph	0	0	0
Stream 6	Eph	69	0	69
Stream 7	Eph	70	0	70
Stream 8	Inter	469	0	469
Stream 9	Eph	480	0	480
Stream 10	Per	890	0	890
Stream 11	Per	125	0	125
Stream 12	Eph	47	0	47
Total		6,448	0	6,448

Wetland Data

Wetland Mark	Union Sq./Diebold Area	Union Sq./Diebold Impact	Preserved Wetland Area
A	0.784 ac.	0.000 ac.	0.784 ac.
B	2.548 ac.	0.000 ac.	2.548 ac.
C	4.318 ac.	0.000 ac.	4.318 ac.
D	1.338 ac.	0.000 ac.	1.338 ac.
G	0.329 ac.	0.000 ac.	0.329 ac.
H	0.069 ac.	0.000 ac.	0.069 ac.
I	0.150 ac.	0.000 ac.	0.150 ac.
J	0.065 ac.	0.000 ac.	0.065 ac.
M	1.747 ac.	0.000 ac.	1.747 ac.
N	0.204 ac.	0.000 ac.	0.204 ac.
O	0.442 ac.	0.000 ac.	0.442 ac.
Q	2.006 ac.	0.000 ac.	2.006 ac.
R	0.550 ac.	0.000 ac.	0.550 ac.
S	0.029 ac.	0.000 ac.	0.029 ac.
T	0.101 ac.	0.000 ac.	0.101 ac.
U	0.000 ac.	0.000 ac.	0.000 ac.
V	0.007 ac.	0.000 ac.	0.007 ac.
Total	14.687 ac.	0.000 ac.	14.687 ac.

Isolated Wetland Data

Wetland Mark	Union Sq./Diebold Area	Union Sq./Diebold Impact	Preserved Wetland Area
E	0.038 ac.	0.000 ac.	0.038 ac.
F	0.007 ac.	0.000 ac.	0.007 ac.
K	0.147 ac.	0.000 ac.	0.147 ac.
L	0.019 ac.	0.000 ac.	0.019 ac.
P	0.005 ac.	0.000 ac.	0.005 ac.
W	0.005 ac.	0.000 ac.	0.005 ac.
Total	0.221 ac.	0.000 ac.	0.221 ac.

FIG 6B

NON-DEGRADATION ALTERNATIVE IMPACT FOOTPRINT