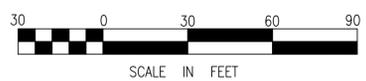
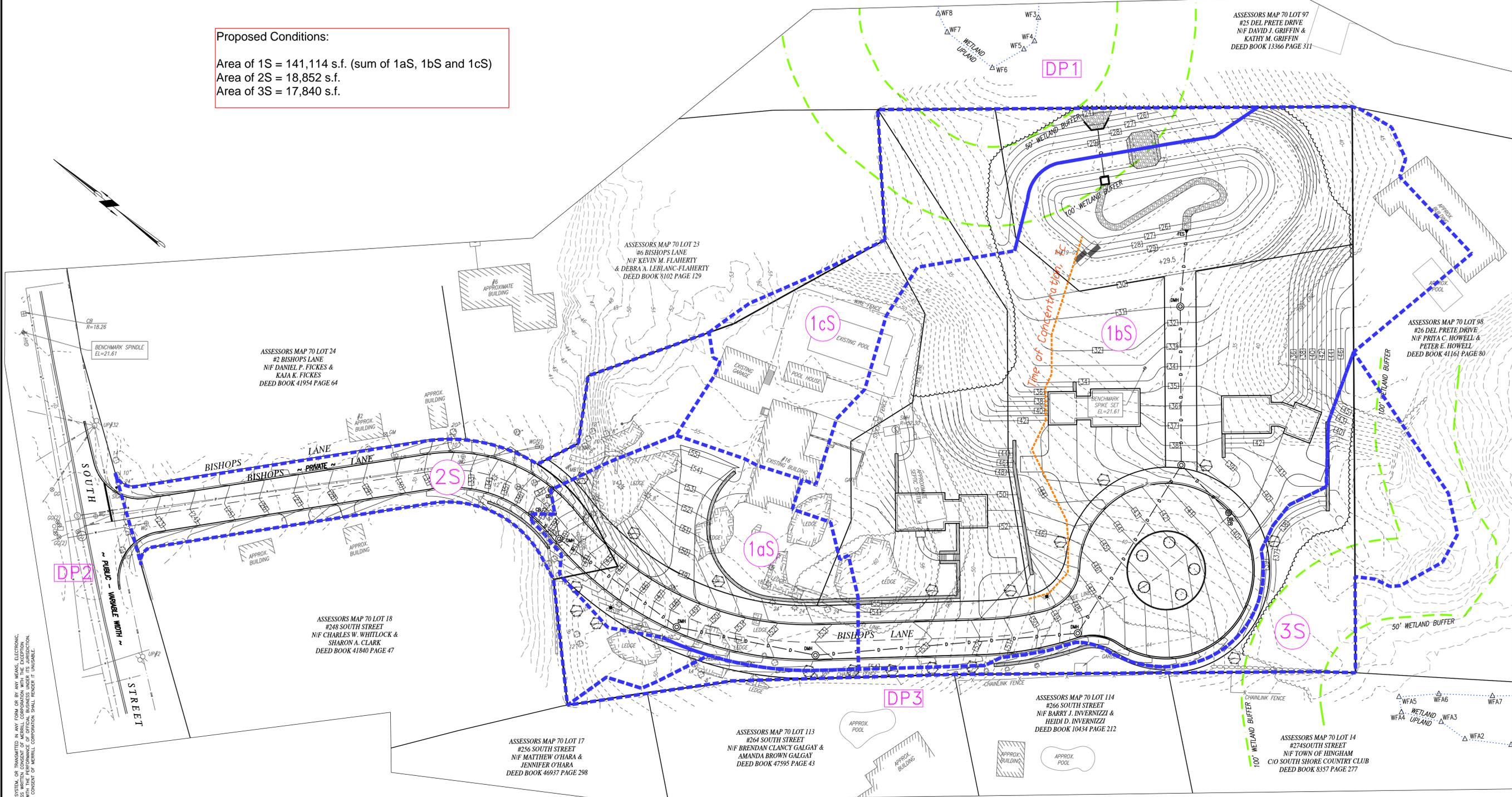


Proposed Conditions:
 Area of 1S = 141,114 s.f. (sum of 1aS, 1bS and 1cS)
 Area of 2S = 18,852 s.f.
 Area of 3S = 17,840 s.f.



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| REVISIONS | |
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| | |
| | |

DRAWN BY: JG
 DESIGNED BY: DK
 CHECKED BY: DK

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DEFINITIVE SUBDIVISION PLAN
 # 16 BISHOPS LANE
 HINGHAM, MASSACHUSETTS
 PREPARED FOR: YOUNG FAMILY TRUST
 16 BISHOPS LANE
 HINGHAM, MA 02043

MARCH 24, 2023
 SCALE: AS NOTED
 JOB No. 17-360
 LATEST REVISION:

PROPOSED
 WATERSHED PLAN
 SHEET

Bishops Lane Definitive Subdivision Plan

| Existing Conditions | | | | | | |
|---|-----------------|--------|----------------------|--------|-------------------|--------|
| Storm Event | 1S - To wetland | | 2S - to South Street | | 3S - To southwest | |
| | Rate | Volume | Rate | Volume | Rate | Volume |
| 2 | 0.64 | 0.089 | 1.00 | 0.076 | 0.19 | 0.019 |
| 10 | 2.73 | 0.276 | 2.14 | 0.156 | 0.64 | 0.050 |
| 25 | 4.81 | 0.450 | 3.10 | 0.225 | 1.06 | 0.080 |
| 100 | 9.78 | 0.863 | 5.12 | 0.374 | 2.03 | 0.148 |
| Proposed Conditions | | | | | | |
| 2 | 0.30 | 0.027 | 0.56 | 0.042 | 0.09 | 0.013 |
| 10 | 0.88 | 0.068 | 1.17 | 0.085 | 0.45 | 0.038 |
| 25 | 2.47 | 0.177 | 1.68 | 0.122 | 0.81 | 0.063 |
| 100 | 8.82 | 0.497 | 2.76 | 0.201 | 1.65 | 0.121 |
| Difference - Proposed minus Existing | | | | | | |
| 2 | -0.34 | -0.062 | -0.44 | -0.034 | -0.10 | -0.006 |
| 10 | -1.85 | -0.208 | -0.97 | -0.071 | -0.19 | -0.012 |
| 25 | -2.34 | -0.273 | -1.42 | -0.103 | -0.25 | -0.017 |
| 100 | -0.96 | -0.366 | -2.36 | -0.173 | -0.38 | -0.027 |
| Proposed runoff as a percent of existing runoff | | | | | | |
| 2 | 46.9% | 30.3% | 56.0% | 55.3% | 47.4% | 68.4% |
| 10 | 32.2% | 24.6% | 54.7% | 54.5% | 70.3% | 76.0% |
| 25 | 51.4% | 39.3% | 54.2% | 54.2% | 76.4% | 78.8% |
| 100 | 90.2% | 57.6% | 53.9% | 53.7% | 81.3% | 81.8% |
| Rates are in cubic feet per second. | | | | | | |
| Volumes are in acre-feet. | | | | | | |