



## Programs & Services Committee Agenda

### City of Newton In City Council

Wednesday, March 18, 2020

The Programs & Services Committee will hold this meeting as a virtual meeting on Wednesday, March 18, 2020 at 7:00 pm. To view this meeting use this link at the above date and time: <https://zoom.us/j/563969160>

#### Items Scheduled for Discussion:

- #104-20**      **Appointment of Julie Winsett to the Urban Tree Commission**  
HER HONOR THE MAYOR appointing Julie Winsett, 33 Alexander Road, Newton Highlands, as a member of the URBAN TREE COMMISSION for a term to expire on March 1, 2023. (60 days: 04/03/20)
- #123-20**      **Appointment of Murali Vemula to the Health and Human Services Advisory Council**  
HER HONOR THE MAYOR appointing Murali Vemula, 59 E Quinobequin Road, Waban, as a member of the HEALTH AND HUMAN SERVICES ADVISORY COUNCIL for a term to expire on January 1, 2023. (60 days: 04/18/20)
- #154-20**      **Appointment of Silka Rothschild to the Newton Community Education Commission**  
COUNCILOR ALBRIGHT requesting the appointment of Silka Rothschild, 46 Alderwood Road, Newton, as a member of the NEWTON COMMUNITY EDUCATION COMMISSION for a term to expire on December 31, 2021. (60 days: 05/01/20)
- #155-20**      **Appointment of John R. Oliver to the Newton Community Education Commission**  
COUNCILOR ALBRIGHT requesting the appointment of John R. Oliver, 14 Wyoming Road, Newton, as a member of the NEWTON COMMUNITY EDUCATION COMMISSION for a term to expire on December 31, 2021. (60 days: 05/01/20)

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The location of this meeting is accessible and reasonable accommodations will be provided to persons with disabilities who require assistance. If you need a reasonable accommodation, please contact the City of Newton's ADA Coordinator, Jini Fairley, at least two business days in advance of the meeting: [jfairley@newtonma.gov](mailto:jfairley@newtonma.gov) or (617) 796-1253. The city's TTY/TDD direct line is: 617-796-1089. For the Telecommunications Relay Service (TRS), please dial 711.

**Referred to Programs & Services, Public Facilities and Finance Committees**

**#200-20 Accept \$270,000 of lighting equipment for Winkler Stadium Field**

HER HONOR THE MAYOR requesting authorization to accept \$270,000 of lighting equipment as well as authorization to accept more funds to be expended on the installation of a field light system for the Newton South High School Winkler Stadium Field which is on Newton Parks and Recreation property. The funds are being donated by the Newton South High School Booster Club.

**#184-20 Request to authorize the use of remote participation in Council meetings**

COUNCILOR ALBRIGHT requesting to authorize the use of remote participation for City Council meetings.

**#48-20 Request for a discussion regarding Senior Services outreach**

COUNCILORS ALBRIGHT AND GREENBERG requesting a discussion with the Department of Senior Services regarding outreach and services to the growing number of Newton residents who are 85 and older yet living alone. Discussion should focus on the City's efforts to provide a program; whether through current programs or proposed alternatives.

**Referred to Programs & Services and Finance Committees**

**#199-20 Transfer of \$250,000 to prepared for COVID-19**

HER HONOR THE MAYOR requesting authorization to transfer the sum of two hundred and fifty thousand dollars (\$250,000) from June 30, 2019 Certified Free Cash to Acct #0121030-543500 Emergency Operations-Supplies account for the purpose of being prepared to act, should the need arise.

**Respectfully Submitted,**

**Josh Krintzman, Chair**



Ruthanne Fuller  
Mayor

City of Newton, Massachusetts  
Office of the Mayor

#104-20

Telephone  
(617) 796-1100

Fax  
(617) 796-1113

TDD/TTY  
(617) 796-1089

Email  
rfuller@newtonma.gov

January 24, 2020

Honorable City Council  
Newton City Hall  
1000 Commonwealth Avenue  
Newton, MA 02459

To the Honorable City Councilors:

I am pleased to appoint Julie Winsett of 33 Alexander Road, Newton Highlands as a member of the Urban Tree Commission. Her term of office shall expire on March 1, 2023 and her appointment is subject to your confirmation.

Thank you for your attention to this matter.

Warmly,

Ruthanne Fuller  
Mayor

RECEIVED  
Newton City Clerk  
2020 JAN 27 PH 3:07  
David A. Olson, CMC  
Newton, MA 02459

### Application Form

#### Profile

Julie \_\_\_\_\_ Winsett \_\_\_\_\_  
 First Name Middle Initial Last Name

\_\_\_\_\_  
 Email Address

33 Alexander Rd \_\_\_\_\_  
 Home Address Suite or Apt

Newton Highlands \_\_\_\_\_ MA \_\_\_\_\_ 02461 \_\_\_\_\_  
 City State Postal Code

#### What Ward do you live in?

Ward 6

Home: \_\_\_\_\_ Home: \_\_\_\_\_  
 Primary Phone Alternate Phone

Newton-Wellesley Hospital \_\_\_\_\_ Physician, Infectious Diseases \_\_\_\_\_  
 Employer Job Title

#### Which Boards would you like to apply for?

Urban Tree Commission: Submitted

#### Interests & Experiences

Please tell us about yourself and why you want to serve.

#### Why are you interested in serving on a board or commission?

I would consider it an honor and a privilege to serve on the Newton Urban Tree Commission. As a Newton resident, I hope to enrich and give back to the community, and do my best to serve and maintain our beautiful city. I have a lifelong interest in forestry and related environmental interests. I am a leader at my local school's Garden Committee and a member of the Green Newton School Connections. I hope to continue to build upon these wonderful opportunities by also serving on the Newton Urban Tree Commission to preserve and beautify our city's flora. In addition, I have a strong background in leadership and committee roles as detailed on my attached CV making me well-suited for committee based work.

JMW\_personal\_CV.doc  
 Upload a Resume



**AWARDS AND HONORS**

- November 2016      Partners in Excellence Team Award  
- “Partners Penicillin and Cephalosporin Hypersensitivity Pathway”
- June 2012            Locke Award for Excellence in Inpatient Education in Medicine  
- Awarded for Excellence in teaching, selected by Massachusetts General Medical Interns and Residents
- June 1, 2011        Locke Award for Excellence in Inpatient Education in Medicine  
- Awarded for Excellence in teaching, selected by Massachusetts General Medical Interns and Residents
- November 2008     Gorbach Prize for Clinical or Translational Research Award  
- Awarded for poster presentation at Tufts Research Day for best clinical research project
- November 2008     Symposium on Antiviral Drug Resistance Program Fellow Grant  
- Awarded Fellow Grant for outstanding research project by National Cancer Institute/University of Pittsburgh
- October 2008        ICAAC Infectious Disease Fellows Grant  
- Awarded grant by American Society for Microbiology and the Infectious Diseases Society of America  
- Selected to attend Fellow Program sponsored by Joint Meeting Program Committee members
- October 2007        IDSA Fellow Grant  
- Awarded grant sponsored by the Infectious Disease Society of America

**HOSPITAL, MEDICAL SCHOOL, OR UNIVERSITY COMMITTEE ASSIGNMENTS:**

- 2014 – present      QI Committee, NWH
- 2013 – present      Medical Morbidity and Mortality Review, NWH
- 2013 – present      Infection Control Subcommittee, NWH
- 2010 – present      Infection Control Committee, NWH
- June 2011 – present    Clerkship Director, Infectious Disease Elective at Tufts Medical School
- March 2012 – present    Clerkship Director, PA Infectious Diseases Elective, Massachusetts College of Pharmacy and Health Sciences
- January 2015        Evaluation Committee for Infectious Disease Chief, NWH
- January 2011 – July 2011    Evaluation Committee for Department of Medicine Chiefs, NWH
- June 2007 – July 2010    AIDS Conference Series Organizer  
- Organize HIV conference series for Tufts University Division of Infectious Disease & Geographic Medicine

- Responsible for coordinating and inviting speakers for HIV Lecture Series; organize and lead monthly HIV case conference
- June 2007 – August 2008 ID Medical Student Conference Series
  - Responsible for coordinating fellow conference series for Tufts University School of Medicine 4<sup>th</sup> year medical students in 2007-2008
- 2008 Hospital Ventilator-Associated Pneumonia Committee, Member  
Tufts University Division of Infectious Disease & Geographic Medicine
- September 2008 – July 2010 Fellow Representative
  - Elected by Tufts ID Fellows to serve a Fellow Representative to the Tufts University Division of Infectious Disease & Geographic Medicine
  - Serve as a liaison between faculty and fellows, attend monthly faculty meetings, and coordinate applicant interview days

**TRAINING OF GRADUATE STUDENTS/POST DOCTORAL**

- 2009-Present TUSM Infectious Disease Clerkship, NWH
  - Staff Physician responsible for Tufts Medical Students rotating within the Division of Infectious Diseases at Newton Wellesley Hospital. Serve as Teaching Attending for Tufts Medical Students 4 weeks of the year.

PA student clerkship director
- 2009-Present Staff Physician responsible for teaching and education of Massachusetts General Medical Residents and Interns at Newton Wellesley Hospital. In addition to regular teaching on-service, formal teaching duties include discussant at Resident Morning Report, and Housestaff Noon Conference presentations on selected topics.
- 2012-Present PA Infectious Diseases Elective, Massachusetts College of Pharmacy and Health Sciences
  - Staff Physician responsible for MCPHS students rotating within the Division of Infectious Diseases at Newton-Wellesley Hospital. Serve as Teaching Attending as requested.

**PROFESSIONAL SOCIETIES**

- 2006 – present *Infectious Disease Society of America, Member*
- 2006 – present *Massachusetts Infectious Disease Society, Member*  
*Participant in regular quarterly meeting*
- 2006 – present *Massachusetts Medical Society, Member*
- 1999 – present *American Medical Association, Member*

**RESEARCH SUPPORT** (present and brief summary of past)

*Grant Title: HIV Pathogenesis (AI0007389-16)*  
*Funding Agency: NIH T3 teaching grant*  
*Amount:*

*Period: July 2007 – July 2010*

*Role: (indicate P.I.) Research Fellow (P.I. Christine Wanke)*

## **RESEARCH AND RELATED ACTIVITIES**

- February 2011      Investigational Drug Protocol  
Newton-Wellesley Hospital  
Single Patient Emergency Use of Subcutaneous Ivermectin for Treatment of  
Disseminated Strongyloidiasis (J-M)
- July 2007-June 2009      HIV Resistance in Patients with Low-Level Viremia  
Tufts Medical Center, Beth Israel Deaconess Medical Center  
Mentors: Christine Wanke MD, Michael Jordan MD, Eoin Coakley MD,  
Chris Rowley MD  
- Presented results at ICAAC and DRP meetings and manuscript in progress
- July 2007-July 2010      Ventilator-associated pneumonia protocol with mini-BAL testing  
Tufts Medical Center      Mentor: Shira Doron, MD  
- Results presented at IDSA conference, and manuscript in progress
- July 2007 – June 2009      AIDS Clinical Trials Group  
Tufts Medical Center      Mentor: Christine Wanke, MD
- Sept. 2008- June 2009      Seroconversion to Dengue and Other Viruses Among Travelers to  
Dengue Endemic Areas  
Tufts Medical Center      Mentor: Laura Kogelman, MD
- June – Dec 2008      Determination of HIV Drug Resistance Mutational Patterns for  
Darunavir  
Tufts Medical Center      Mentor: Jim Hellinger, MD
- 2007- June 2009      Randomized, Double-Blind, Parallel-Group, Placebo-Controlled, Two-  
Stage Study to Assess the Efficacy and Safety of Crofelemer 125mg, 250mg, and 500mg  
Orally Twice Daily for the Treatment of HIV-Associated Diarrhea (ADVENT Trial) Tufts  
Medical Center  
Tufts Medical Center      Mentor: Jim Hellinger, MD
- 2007- June 2009      A Phase II, Randomized, Double-Blind, Multicenter, Immunogenicity  
Study of Vacc-4x versus Placebo in Patients Infected with HIV-1 Who Have Maintained  
an Adequate Response to ART (pending)  
Tufts Medical Center      Mentor: Jim Hellinger, MD
- 2007- June 2009      An International, Multicenter, Prospective Observational Study of the  
Safety of Maraviroc used with Optimized Background Therapy in Treatment-  
Experienced HIV-1 Infected Patients (pending)  
Tufts Medical Center      Mentor: Jim Hellinger, MD
- 2005      “Air pollution: the impact of air quality on cardiovascular mortality”  
Beth Israel Deaconess Medical Center      Mentor: Murray Mittleman, MD
- 2002      “Clinical and laboratory implications of *Candida Dubliensis*”  
Medical College of Georgia, Microbiology Department  
Mentor: John Steele, MD



- 2001 Georgia Department of Public Health  
Mentor: Katie Arnold, MD  
- Published antibiogram for state website, "Antimicrobial susceptibilities of selected pathogens 2001"
- 1998 – 1999 Atlanta Diabetes Associates, Piedmont Hospital, Atlanta, GA  
Mentor: Paul Davidson, MD  
- Published "Step therapy in reverse, a method for achieving 2% hemoglobin A1C improvement in refractory diabetes"
- 1997 – 1998 Emory University, Center for Cell & Molecular Signaling  
Mentor: James Stockand, PhD  
- Completed research project "Regulation of mesangial cell proliferation and signal transduction by cGMP"
- 1997 – 1998 Emory University Hospital, Cardiovascular Epidemiology  
Mentor: William Weintraub, MD
- 1995 – 1996 Emory University  
Mentor: Dr. Christiane O'Hara

#### \*BIBLIOGRAPHY

1. CID (2011) 52(3):418-420
2. **Winsett J**, Jordan M, Rowley C, Bellosillo N, Wanke C, Coakley E. HIV Drug Resistance Profiles and Clinical Outcomes in Patients with Viremia Maintained at Very Low Levels. (manuscript in progress)
3. **J Winsett**, M Jordan, C Rowley, N Bellosillo, C Wanke, E Coakley. HIV Drug Resistance Profiles and Clinical Outcomes in Patients with Viremia Maintained at Very Low Levels. 9<sup>th</sup> Annual Symposium on Antiviral Drug Resistance: Targets and Mechanisms, Richmond VA, November 2008.
4. **J Winsett**, C Rowley, M Jordan, N Bellosillo, C Wanke, E Coakley. HIV Drug Resistance Profiles and Clinical Outcomes in Patients with Viremia Maintained at Very Low Levels. 48<sup>th</sup> Annual ICAAC/IDSA 46<sup>th</sup> Annual Meeting, Washington DC, October 2008.
5. **Winsett J**, Newmark H, Lancaster J, Nasraway S, Garpestad E, Doron S. Success of a VAP Protocol using lower respiratory cultures. (in submission)
6. **Winsett J**, Newmark H, Lancaster J, Nasraway S, Garpestad E, Doron S. Success of a VAP Protocol using lower respiratory cultures. Infectious Disease Society of America 45<sup>th</sup> Annual Meeting, San Diego CA, October 2007.
7. **Winsett J**. Antimicrobial Susceptibilities of Selected Pathogens 2001. Georgia Department of Public Health. 2001 <http://health.state.ga.us/epi/index.asp>.
8. Davidson P, **Winsett J**, Barnes K. PETS Therapy: Step Therapy in Reverse, A Method for Achieving 2% HgbA1C Improvement in Refractory Diabetes (letter). Diabetes 49 (5) 2000.

**COMMUNITY AND VOLUNTEER WORK**

Parents Advisory Committee, Children's Corner Preschool, Leader

Leader on the Parents' Committee, with responsibilities including fundraising, Teacher Appreciation gifts, annual holiday gift drive, Teacher Appreciation breakfasts/luncheons, Family Outings. Also responsible for communicating with parents regularly and functioned as a liaison between parents and staff.

Children's Corner Preschool, Room Parent

Currently Room Parent for the Bunny Classroom. Have served as Room Parent for past 5 years in multiple classrooms. Responsible for organizing Teacher gifts and Family activities on a room-level.

Parent-Teacher Organization, Countryside Elementary School

Room Parent, KW classroom. Responsible for organizing classroom projects and crafts, meetings with teacher, serving as a liaison between parents and teacher, and organizing Teacher Appreciation activities.

Chair of Garden Committee. Responsible for maintaining grounds and outdoor plantings at the Countryside school.

Walk to School Advocate, in-training

Will serve as a liaison to Newton's Safe Schools Committee. Will organize walking to school buses and walk to school events.

Green Newton, School Connections, Member.

Attend monthly meetings, as a representative of the Countryside PTO and function as a liaison between the committee and school.

Members of local environmental and garden/tree related societies:

Trustees of the Reservation, Massachusetts Audubon Society, The Nature Conservancy, Massachusetts Wildflower Society, Sierra Club



Ruthanne Fuller  
Mayor

City of Newton, Massachusetts  
Office of the Mayor

Telephone  
(617) 796-1100  
Fax  
(617) 796-1113  
TDD/TTY  
(617) 796-1089  
Email  
rfuller@newtonma.gov

January 5, 2020

Honorable City Council  
Newton City Hall  
1000 Commonwealth Avenue  
Newton, MA 02459

To the Honorable City Councilors:

I am pleased to appoint Murali Vemula of 59 E Quinobecquin Road, Waban as a member of the Health and Human Services Advisory Council. His term of office shall expire on January 1, 2023 and his appointment is subject to your confirmation.

Thank you for your attention to this matter.

Warmly,

Ruthanne Fuller  
Mayor

RECEIVED  
2020 FEB - 7 AM 9:09  
CITY CLERK  
NEWTON, MA. 02459

Application Form

Profile

Murali Vemula
First Name Middle Initial Last Name

[Redacted]
Email Address

59 E Quinobequin Rd
Home Address Suite or Apt

Waban MA 02468
City State Postal Code

What Ward do you live in?

None Selected

Mobile: [Redacted] Home:
Primary Phone Alternate Phone

Nivarta, Inc. Founder & CEO
Employer Job Title

Which Boards would you like to apply for?

Health and Human Services Advisory Council : For Review

Interests & Experiences

Please tell us about yourself and why you want to serve.

Why are you interested in serving on a board or commission?

Please allow me to introduce myself. I am a resident in Newton for the last five years living with my wife and two children. My daughter attends Brown Middle School and my son is at Walnut Park Montessori School. Recently, I became aware of the Netflix show, "13 Reasons Why" through Brown school and was curious to find out about the policies in place in Newton. Through this search, I came across the HHS Council and realized you were actively discussing the topic. Reading through the minutes, I also became aware of several other initiatives that your group has rolled out. This has prompted me to apply for this position as the agenda is passionately close to my heart. I was trained as a Scientist at Rutgers and Harvard Medical School in the past and have worked at Novartis pharmaceuticals in Cambridge, MA. Currently, I am Founder & CEO at Nivarta, Inc., a biopharmaceutical company that is developing therapeutic drugs to treat metabolic disorders such as diabetes, obesity and rare fat disorders. Given my background in health sciences, I strongly feel that I can contribute to the broader cause of community health well being by becoming part of the HHS Council. Henceforth, please guide me through the process of joining HHS Council and serving the community. Thank you very much for your time and anticipated consideration.

**MURALI VEMULA, PH.D.**

59 E. Quinobequin Rd, Newton, MA 02468; Phone: [REDACTED]; Email: [REDACTED]

**SUMMARY**

As a Scientist and an Entrepreneur, I am passionate about developing novel therapeutics to treat debilitating diseases. In my current role as Founder & CEO at Nivarta, Inc., I am leading the efforts to develop a protein therapeutic to treat rare diseases and NAFLD/NASH and identify novel therapeutic targets that are involved in gastric bypass surgery mediated diabetes remission. In the past, I have significant experience in target discovery & validation of druggable targets involved in diabetes, obesity, cystic fibrosis, and neurological disorders using cell/molecular biology and bioinformatics methods. I have conducted detailed literature review and evaluated development opportunities from mechanistic, pharmacological, and clinical perspectives. In whole, I bring my experiences in large pharmaceutical & small biotech together with skills in science and business to translate basic research findings into commercial opportunities.

**PROFESSIONAL EXPERIENCE****Nivarta, Inc.**

Cambridge, MA

**Founder & CEO**

2009 – To present

- Established a biopharmaceutical company that is primarily focused on translating basic research findings into drug development projects in collaboration with Principal Investigators at academic institutions
- Raised funds from public sources (NIH, SBIR) and individual investors
- Recruited a core team that included Co-Founder, Scientific Advisors, Business Advisors, Scientists & Consultants
- Built strong relationship with several large pharmaceutical companies & investors
- Managed research and corporate budgets
- Initiated research partnership deals with MGH, Children's Hospital of Boston, and Univ. of Arizona
- Defined research focus, set goals, monitored progress through bi-weekly meetings, identified opportunities to publish and present research findings, and took overall responsibility for the success of the projects
- Identified a rare disease market opportunity for a protein therapeutic by consulting with KOLs and investors
- Developed an IP strategy to secure a patent for the use of protein therapeutic to treat fat disorders

**Proteostasis Therapeutics**

Cambridge, MA

**Scientist, Neurodegenerative diseases & CF**

2011 – 2012

- Identified potential drug targets by integrating data from multiplex RNA measurements, proteomics, and compound efficacy signatures
- In collaboration with bench scientist, validated the targets using YFP quenching assay in CFBE cell line
- Organized a team, drafted a strategy, and led initial target validation plans to meet corporate goals in Cystic Fibrosis, and Parkinson's disease areas

**Novartis (NIBR)**

Cambridge, MA

**Research Investigator, Diabetes & Metabolism**

2004 – 2008

- Member in fourteen project teams, conceptualized & initiated two projects, and led one early stage project
- Explored novel paradigms using RNA and metabolite profiling technologies. Projects include understanding the mechanisms involved in diet induced weight loss/gain in humans and rodents, metabolic adaptations during fasting/feeding, mitochondrial dysfunction and aging biology
- Led bioinformatics activities - defined project plans/priorities, time/resource allocation and actionable deliverables
- Nominated novel drug targets through integrated analysis of data (gene chips, metabolomics & siRNA screens) and generation of testable hypothesis using statistical methods and bioinformatics approaches
- Developed biomarkers using multivariate analysis to monitor the efficacy of compounds in pre-clinical and clinical stages of discovery
- Led an early stage discovery project - Responsibilities included proposing the scientific rationale, executing target validation, implementing cell assays, protein production, identifying peptide core and developing drug design strategies

**RESEARCH FUNDING**

- **NIH/NIDDK, SBIR Phase I Grant (\$700,000)**  
R43 DK092122-01  
Role: Principal Investigator

09/15/11-08/31/14

**SPEAKER/PANELIST**

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- Invited participant, 2017, R&D External Strategy Session, 11<sup>th</sup> US-India BioPharma & Healthcare Summit
- Panelist, 2016, CVMD, 10<sup>th</sup> US-India BioPharma & Healthcare Summit (<http://www.usaindiachamber.org/current-events.shtml>)
- Invited participant, 2014, Strategy Session, CVMD, 8<sup>th</sup> US-India BioPharma & Healthcare Summit
- Speaker, 2013, MassConnect (MassBio's mentorship program for lifesciences companies)
- Invited speaker, 2006, NAASO Obesity Meeting

**EDUCATION**

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**Post-doctoral Fellow, Harvard Medical School, Boston, MA** 2001 – 2004

*Mentor: Dr. Martin Yarmush, Dept. of Surgery*

*Project Focus: Elucidation of the molecular basis of metabolic and inflammatory response to burn injury*

**Ph.D. (Molecular Biology), Rutgers University, New Brunswick, NJ** 1994 – 2001

*Mentor: Dr. Charles E. Martin (Retired), Dept. of Cell and Neuroscience*

*Dissertation: Identification of cis-elements and trans-acting proteins involved in fatty acid mediated regulation of OLE1 mRNA stability in Saccharomyces cerevisiae*

- Manipulated gene sequences through deletions, substitutions and site-directed mutagenesis to identify *cis*-acting regulatory elements required for the fatty acid mediated regulation of *OLE1* gene
- Mapped the 5'-untranslated region using Ribonuclease Protection Assays and identified multiple transcriptional start sites
- Identified and characterized the role of two *trans*-acting proteins, *MGA2* and *SPT23*, that are required for the fatty mediated regulation of *OLE1* mRNA stability by using molecular biology techniques and yeast genetic tools
- Established a relationship between translation and mRNA stability by identifying sequences within the 5'-untranslated region that interacted with the translational machinery and stabilized/destabilized *OLE1* mRNA
- Published four journal articles and presented in seven scientific meetings

**B.S., Annamalai University, India** 1989 – 1993

**Independent Business Course Work**

*Focused on TVM, discounted cash flow analysis, NPV/IRR, risk & return, valuation of projects & companies, financial model building*

- Financial Accounting, Corporate Finance, Company Valuation

**SKILLS**

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- Business – External Innovation, Negotiating contracts (scope of work, budget, IP & deliverables), Financial modeling, Project management
- Drug discovery - Pre-clinical & clinical development of drug candidates including target discovery & validation, cell bioassay development, MOA studies, biomarker identification; Familiarity with PK/PD and pre-clinical toxicology in rodents & dogs; Project leadership
- Technical - Molecular/cell biology, cell assay development, genomics and bioinformatics
- Statistics - Analysis of large datasets using ANOVA models, clustering, multivariate, correlation, and regression analysis
- Computation – Word, Excel, PowerPoint; R, Programming in C; Familiar with Oracle & SQL

**OTHER**

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- **Awards** - Graduate Research Assistantship (NIH Funded) 3.5 years; ASBMB Travel Fellow (1999)
- **Activities** – Squash, Camping and Travel
- **Memberships** - MIT Enterprise Forum, TiE Boston, Massachusetts Biotechnology Council (MBC), AAAS

RECEIVED

CITY OF NEWTON

2020 FEB 18 AM 11:01

DOCKET REQUEST FORM

**DEADLINE NOTICE: Council Rules require items to be docketed with the Clerk of the Council NO LATER THAN 3:45 P.M. ON THE MONDAY PRIOR TO A FULL COUNCIL MEETING.**

CITY CLERK  
NEWTON, MA. 02459

To: Clerk of the City Council

Date: 02/18/20

From (Docketer): Susan Albright

Address: 1075 Commonwealth Avenue

Phone: 617-527-7108

E-mail: \_\_\_\_\_

Additional sponsors: \_\_\_\_\_

**1. Please docket the following item (it will be edited for length if necessary):**

Councilor Albright requesting the appointment Silka Rothschild to the Newton Community Education Commission

**2. The purpose and intended outcome of this item is:**

- Fact-finding & discussion
- Appropriation, transfer,
- Expenditure, or bond authorization
- Special permit, site plan approval,
- Zone change (public hearing required)

- Ordinance change
- Resolution
- License or renewal
- Appointment confirmation
- Other: \_\_\_\_\_

**3. I recommend that this item be assigned to the following committees:**

- |   |  |  |
|---|--|--|
| <input checked="" type="checkbox"/> Programs & Services | <input type="checkbox"/> Finance       | <input type="checkbox"/> Real Property     |
| <input type="checkbox"/> Zoning & Planning              | <input type="checkbox"/> Public Safety | <input type="checkbox"/> Special Committee |
| <input type="checkbox"/> Public Facilities              | <input type="checkbox"/> Land Use      | <input type="checkbox"/> No Opinion        |

**4. This item should be taken up in committee:**

Immediately (Emergency only, please). Please state nature of emergency:

\_\_\_\_\_

- As soon as possible, preferably within a month
- In due course, at discretion of Committee Chair
- When certain materials are made available, as noted in 7 & 8 on reverse
- Following public hearing

5. I estimate that consideration of this item will require approximately:

- One half hour or less
- More than one hour
- More than one meeting
- Up to one hour
- An entire meeting
- Extended deliberation by subcommittee

6. The following people should be notified and asked to attend deliberations on this item. (Please check those with whom you have already discussed the issue, especially relevant Department Heads):

City personnel

Citizens (include telephone numbers/email please)

- |                                |                                |
|--------------------------------|--------------------------------|
| <input type="checkbox"/> _____ | <input type="checkbox"/> _____ |
| <input type="checkbox"/> _____ | <input type="checkbox"/> _____ |
| <input type="checkbox"/> _____ | <input type="checkbox"/> _____ |
| <input type="checkbox"/> _____ | <input type="checkbox"/> _____ |
| <input type="checkbox"/> _____ | <input type="checkbox"/> _____ |

7. The following background materials and/or drafts should be obtained or prepared by the Clerk's office prior to scheduling this item for discussion:

8. I  have or  intend to provide additional materials and/or undertake the following research independently prior to scheduling the item for discussion. \*

(\*Note to docketer: Please provide any additional materials beyond the foregoing to the Clerk's office by 2 p.m. on Friday before the upcoming Committee meeting when the item is scheduled to be discussed so that Councilors have a chance to review all relevant materials before a scheduled discussion.)

Please check the following:

- 9.  I would like to discuss this item with the Chairman before any decision is made on how and when to proceed.
- 10.  I would like the Clerk's office to contact me to confirm that this item has been docketed. My daytime phone number is:
- 11.  I would like the Clerk's office to notify me when the Chairman has scheduled the item for discussion.

Thank you.

Susan Albright  
Signature of person docketing the item

[Please retain a copy for your own records]



**Silka Rothchild**

46 Alderwood Road, Newton, MA 02459 – [REDACTED] – [REDACTED]

EXPERIENCE**Education and Business Consultant, Newton, MA****1990s-current**

- Develop and market children, adult and senior adult events and programs.
- Develop and edit client book manuscripts for youth and adult readerships.
- Provide research, staff training, program assessment and curriculum development for non-profits, schools, hospitals, and museums, including: Whole Foods, Orchard Cove, Boston Children's Museum, Rochester Museum of Science, Chicago Science Museum, California museums, Rochester General Hospital, Chicago's Children's Hospital.

**Jewish Community Centers of Greater Boston, Newton, MA****1994-2012**Arts and Ideas Education Director, 1996-2012

- Developed and directed events, programs and classes for diverse membership including preschool, families with young children, teens to senior adults, and individuals with special needs. Program areas included arts, dance, science and technology, writing, musical theater, and adult personal growth seminars.
- Utilized knowledge of entire organization and broader community to provide effective recruitment and retention, and broad-based customer support.
- Supervised >30 part-time and full-time widely diverse faculty and staff, plus volunteers. Created and fostered strong staff and interdepartmental relationships, and thereby contributed to high staff morale, better teamwork, and the development & cross marketing of programs.
- Managed program-wide budgets, payrolls, and financial projections. Researched competitors' offerings, pricing, and policies regarding refunds and credits, to enable organization's market competitiveness.
- Oversaw departmental catalog and brochure production, press releases, vendor relationships, space reservations, and registration policies.
- Promoted to this position to create total cultural and arts environment, combine functions, reassign staff, and provide smoother customer service experience. Improved marketing and thereby increased revenue 25% within the first 4 months.
- Doubled revenue by expanding existing programs through increasing retention and recruitment.

Director, Kaleidoscope Creative Arts and Science CampChildren's Education Director - pre-school through high school, 1994-2008

- Supervised >40 part-time and full-time widely diverse staff. Hired, conducted performance evaluations, wrote operations guidelines, and trained staff. Mentored and evaluated graduate level field placements and supervised/assigned/evaluated many high school summer interns and volunteers.
- Assured Leventhal-Sidman JCC summer Day Camps met required standards for State and City licensing for fire, building, and public health. Administered CORI and SORI background checks and all camper health records. Supervised all nursing staff on campus.
- Oversaw departmental catalog production, vendor relationships, space reservations, and registration policies.
- Recruited and created programming for students from kindergarten to high school, thereby growing program from 55 to 300 participants. Established scholarships, and achieved 90% retention rate.
- Enabled participation of larger camper base by establishing need-based scholarships, implementing inclusion of moderate to severe special needs students; organized staff training. Initiated policies and practices to effectively deal with allergy/special dietary requirements.
- Maintained quality control of programs by actively soliciting feedback via monkey survey, focus groups, and feedback forms.
- Initiated and developed programming partnerships with external organizations including Wheelock Family Theater, Children's Technology Workshop, Hebrew College, Carrol Center for the Blind, and WGBH.
- Conceptualized and established multiple-year grant based projects, including:

## Silka Rothschild

46 Alderwood Road, Newton, MA 02459 – [REDACTED] [REDACTED]

- **Rimonim**, high end intensive 100-hour certificate arts program for high schoolers (funded by CJP No'ar committee for 4 years)
- **A Day at the J**, joint program with Big Brothers/Big Sisters, for >120 children and their Big Brother/Sister. Included sports, professional show, arts and meals (Donor funded, for several years).
- **Creative Judaica Interfaith**. Visioned, implemented and managed holiday and social community events; developed resource materials; obtained grants and donor funding.
- Received additional Gateways grants from: Lenny Zakim Fund; CAGE grant (one of only two granted nationally)

### Prior Work Experience

- Extensive Hebrew school teaching experience, pre-K to grade 12 (NY, IL, CA and MA)
- Co-founder of annual Boston Jewish Early Childhood Conference
- Appointed by City of Newton to found the Newton Childcare Association
- Owner/operator of licensed preschool and day care center
- Director of Early Childhood Learning Center, Temple Solel, Canoga Park, CA
  - Directed 160-student, 16 full-time staff Jewish preschool, full-time day care center and enrichment classes.

### VOLUNTEER SERVICE

- Newton Community Farm, Consultant and Board Member responsible for Education portfolio: staffing, programming, regulatory and budget oversight, 2015-2018
- Newton Open Studios, Executive Committee, 2006-present
- New England Regional Holocaust Committee, Executive Board & Steering Committee, 2003-2016
- Helping Hands: Simian Helpers for the Disabled, 2000-present
- New England Holocaust Memorial (NEHM), Executive Advisory Committee, 2011-2014
- Massachusetts Department of Public Health's Research and Data Access Institutional Review Board Community Representative, voting member, 2008-2013
- Jewish Family and Children Services, Family Table Site Coordinator for Newton Centre Minyan, 2008-2013
- Gateways - Special Needs: Executive Board, Education and Fund Raising Committees, 1999-2009

### EDUCATION

- B.A., Psychology and Education, University of Rochester, Rochester, NY
- Completed coursework toward M.A. in Psychology, University of Rochester

### CERTIFICATIONS and MEMBERSHIPS

- CPR *infant, child, adult*, AED accreditation, American Red Cross, current
- *Protecting Human Research Participants* training course, National Institutes of Health, 2009, 2012
- *Creating WordPress Websites*, six-week intensive class, Ed2Go, 2012
- *Me'ah*, Hebrew College and Combined Jewish Philanthropies, 1999
- *Society of Children's Book Writers and Illustrators*, member, 2012-current

RECEIVED

CITY OF NEWTON

2020 FEB 18 AM 11:01

DOCKET REQUEST FORM

**DEADLINE NOTICE: Council Rules require items to be docketed with the Clerk of the Council NO LATER THAN 7:45 PM. ON THE MONDAY PRIOR TO A FULL COUNCIL MEETING.**

NEWTON, MA. 02459

To: Clerk of the City Council

Date: 02/18/20

From (Docketer): Susan Albright

Address: 1075 Commonwealth Avenue

Phone: 617-527-7108

E-mail: \_\_\_\_\_

Additional sponsors: \_\_\_\_\_

**1. Please docket the following item (it will be edited for length if necessary):**

Councilor Albright requesting the appointment John R. Oliver to the Newton Community Education Commission

**2. The purpose and intended outcome of this item is:**

- |  |  |
|--|--|
| <input type="checkbox"/> Fact-finding & discussion             | <input type="checkbox"/> Ordinance change                    |
| <input type="checkbox"/> Appropriation, transfer,              | <input type="checkbox"/> Resolution                          |
| <input type="checkbox"/> Expenditure, or bond authorization    | <input type="checkbox"/> License or renewal                  |
| <input type="checkbox"/> Special permit, site plan approval,   | <input checked="" type="checkbox"/> Appointment confirmation |
| <input type="checkbox"/> Zone change (public hearing required) | <input type="checkbox"/> Other: _____                        |

**3. I recommend that this item be assigned to the following committees:**

- |   |  |  |
|---|--|--|
| <input checked="" type="checkbox"/> Programs & Services | <input type="checkbox"/> Finance       | <input type="checkbox"/> Real Property     |
| <input type="checkbox"/> Zoning & Planning              | <input type="checkbox"/> Public Safety | <input type="checkbox"/> Special Committee |
| <input type="checkbox"/> Public Facilities              | <input type="checkbox"/> Land Use      | <input type="checkbox"/> No Opinion        |

**4. This item should be taken up in committee:**

Immediately (Emergency only, please). Please state nature of emergency:

\_\_\_\_\_

- As soon as possible, preferably within a month
- In due course, at discretion of Committee Chair
- When certain materials are made available, as noted in 7 & 8 on reverse
- Following public hearing

5. I estimate that consideration of this item will require approximately:

- One half hour or less
- More than one hour
- More than one meeting
- Up to one hour
- An entire meeting
- Extended deliberation by subcommittee

6. The following people should be notified and asked to attend deliberations on this item. (Please check those with whom you have already discussed the issue, especially relevant Department Heads):

City personnel

Citizens (include telephone numbers/email please)

- |                                |                                |
|--------------------------------|--------------------------------|
| <input type="checkbox"/> _____ | <input type="checkbox"/> _____ |
| <input type="checkbox"/> _____ | <input type="checkbox"/> _____ |
| <input type="checkbox"/> _____ | <input type="checkbox"/> _____ |
| <input type="checkbox"/> _____ | <input type="checkbox"/> _____ |
| <input type="checkbox"/> _____ | <input type="checkbox"/> _____ |

7. The following background materials and/or drafts should be obtained or prepared by the Clerk's office prior to scheduling this item for discussion:

8. I  have or  intend to provide additional materials and/or undertake the following research independently prior to scheduling the item for discussion. \*

(\*Note to docketer: Please provide any additional materials beyond the foregoing to the Clerk's office by 2 p.m. on Friday before the upcoming Committee meeting when the item is scheduled to be discussed so that Councilors have a chance to review all relevant materials before a scheduled discussion.)

Please check the following:

- 9.  I would like to discuss this item with the Chairman before any decision is made on how and when to proceed.
- 10.  I would like the Clerk's office to contact me to confirm that this item has been docketed. My daytime phone number is:
- 11.  I would like the Clerk's office to notify me when the Chairman has scheduled the item for discussion.

Thank you.

Susan Albright  
Signature of person docketing the item

[Please retain a copy for your own records]

## John R Oliver

Currently Residing in Boston Metro Area

### Summary

Dynamic marketing leader with proven track record of generating and applying customer insights to solve business challenges and identify opportunities. Design targeted marketing efforts to render targeted experiences at scale to drive acquisition, engagement.

### Professional Experience

#### Global Head (SVP) Digital Customer Experience

2017-2019

**dunnhumby, Inc.** Responsible for defining, designing, and delivering CX practice offering for dunnhumby, a leading Global Consultancy. Offering includes Customer Experience assessment, design and execution of all phases of strategy / design / delivery. Re-defined approach to utilization of digital data streams across Customer segments and lifecycle.

- Internal thought leader on related topics including digital transformation, measurement strategy, research, Global best practice identification, Voice of Customer (VoC) program design and 360 Customer View.
- Evangelize vision to enhance existing consulting & software products via Customer Experience practice (using in-house CDP and ML). Identified new opportunities in areas of marketing mix optimization (MMO), loyalty program design, content strategy, end-customer acquisition.
- Application of insights from multiple sources (CRM, channels, content engagement) to optimize acquisition, growth and retention marketing activities.
- Create and deliver against sales roadmap of CX solutions across software products and consulting services. Determined global staffing needs in collaboration with matrixed teams including eCommerce, CX (strategy, research and program design), creative. Define implementations for multiple sectors including CPG, pharma, financial services, retail and ecommerce. Create business cases to support each across maturity model.
- Design shared approach to CX and UX research methodologies used internally (on dunnhumby-owned software products) and externally (with Clients). Examples include workshop design, Journey Mapping research, VPC. Immediate savings in efficiency ranging from 5-15%.

#### VP, Engagement Director

2014-2017

**BEAM Interactive.** (*Fidelity, MFS, Boston Consulting Group, Docent Health*). Manage relationships and the financial aspects of the book of business across multiple engagements ranging from start-ups to reputable leaders. Establish strategic marketing direction for Clients, while growing Agency revenue and profitability via organic relationships and business development.

- Develop strategic marketing plans for Client business; challenge the application of data / ROI to drive optimization of retention and acquisition campaigns + targeting models.
- Create software product development roadmaps, audience assessments, segmentation. Design and execute CX assessments through custom 1<sup>st</sup> and 3<sup>rd</sup> party research. Utilize qualitative and quantitative inputs of reported and observed behavioral data.
- Identify critical touchpoints to drive performance marketing initiatives across disciplines (User experience design, CRM, site builds, predictive analytics and LTV).
- Design, execute go-to-market plans including email, SMS, social, SEO/SEM; leverage attribution modeling, re-targeting. Application of results to fuel further optimization efforts.

- Leveraging internal and external resources to design custom research (quantitative and qualitative), analytic tools, engineering solutions, brand blueprints, messaging + content.

**VP Marketing, CRM****2006-2013**

**MRM, Mullen.** (*Cadillac, GM Card, HSBC Bank, Ernst&Young, Stanley Black&Decker*). Strategic development of B2B and B2C programs including marketing, service, retail/incentives with long-term goals of increased loyalty, LTV and brand experience design.

- Aligned marketing resources and activities around business priorities and needs. Increased marketing KPIs and resulted in setting internal benchmarks for customer experience and interactions for both B2B and B2C audiences.
- Internal champion for researching customer needs; cooperative leadership of multiple teams focused on new initiatives that require support across the organization. Primary point of contact for all CRM and creative teams. Manage resources to ensure success.
- Established strategy, metrics and plans to improve and balance retention (loyalty) and growth (acquisition) campaigns, maximizing short/long term results across business priorities.
- Re-positioned performance analytics as central to strategic marketing efforts; revitalized test/learn processes. Collaborative approach led to increased acquisition performance (+16% conversion) with a 'flat' spend. Improved retention and engagement metrics (+3%/20%)

**Product Marketing Manager****2002-2006**

**Bose Corporation.** Divisional Marketing lead responsible for product marketing (features, pricing, contenting), customer team lead (B2B) responsible for relationship growth and integrated efforts.

- Identified and quantified opportunities for Bose to centralize marketing efforts, including CDP-like database and 'one customer' marketing approach.
- Created internal planning process for short- and long-term product planning. Include KPIs, measurement plans and robust implications assessment (marketing, sales, manufacturing)
- Introduced competitive analysis methodology for internal and customer use. Lead to increased interactions with customers and additional sales in \$50MM range

**Sr Digital Strategist****2000-2002**

**Leo Burnett.** Developed short and long term integrated marketing strategies for Cadillac brand including extensive luxury market analysis, content marketing, direct marketing, PPC lead generation and conversion. Executed lead gen programs for new product launches, increasing online activity by 100%.

**Client Partner, Jeep Brand****1998-2000**

**Organic, Inc.** Led Client-facing team for all offline and digital activities (brand, retail) for Jeep Brand, as well as Canadian market online shopping and e-commerce efforts for Chrysler, Jeep and Dodge brands. Managed Camp Jeep loyalty event program and Jeep 101 enthusiast program.

**Account Director, Jeep International****1991-1998**

**Bozell Worldwide, Sydney, Australia and Detroit, MI.** Progressive Agency account management roles and experience. Lead marketing activities including planning, budgeting, advertising (print & broadcast), media strategy. Extensive global travel (Asia-pacific and European markets)

**Education**

**Harvard Extension (Ongoing).** Professional and interest-related courses.

**Michigan State University (1990).** Bachelors of Science (BS) in Organizational Psychology with minor in International Studies



RUTHANNE FULLER  
MAYOR

City of Newton, Massachusetts  
Office of the Mayor

199-20

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(617) 796-1100

Telefax  
(617) 796-1113

TDD  
(617) 796-1089

E-mail  
[rfuller@newtonma.gov](mailto:rfuller@newtonma.gov)

March 9, 2020

Honorable City Council  
Newton City Hall  
1000 Commonwealth Avenue  
Newton Centre, MA 02459

Councilors:

All of us are watching the evolving COVID-19 situation closely and, understandably, we're all concerned.

Here in the City of Newton, I am working closely with Deb Youngblood (Commissioner of Health and Human Services), Bruce Proia (Acting Emergency Management Director), Michelle Pizzi O'Brien (Human Resources Director), and many others to maintain a safe workplace, to adopt practices protecting the health of all our employees and to help employees if they are impacted by COVID-19 even as we ensure the continuity of municipal operations.

City of Newton Department Heads are also working with City of Newton Health and Human Services to develop specific protocols for their individual Departments. Examples include providing N95 masks for first responders when necessary, making hand sanitizer/wipes available, placing signage about handwashing in public view, and additional steps by our custodians to disinfect our work sites.

With this in mind and out of an abundance of caution, I respectfully submit a docket item to your Honorable Council requesting authorization to appropriate and expend up to \$250,000 from June 30, 2019 Certified Free Cash for the purpose of being prepared to act, should the need arise. Funds should be appropriated to Acct # 0121030-543500 Emergency Operations – Supplies. We will carefully track utilization of these funds and will keep your Honorable Council apprised.

Thank you for your consideration of this matter.

Sincerely,

Ruthanne Fuller  
Mayor

CITY CLERK  
NEWTON, MA 02459

2020 MAR - 9 PM 4: 58

RECEIVED



RUTHANNE FULLER  
MAYOR

**City of Newton, Massachusetts**  
**Office of the Mayor**

**200-20**

Telephone  
(617) 796-1100

Telefax  
(617) 796-1113

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(617) 796-1089

E-mail  
[rfuller@newtonma.gov](mailto:rfuller@newtonma.gov)

March 9, 2020

Honorable City Council  
Newton City Hall  
1000 Commonwealth Avenue  
Newton Centre, MA 02459

Councilors:

I respectfully submit a docket item to your Honorable Council requesting authorization to accept \$270,000 of lighting equipment as well as authorization to accept more funds to be expended on the installation of a field light system for the Newton South High School Winkler Stadium Field which is on Newton Parks and Recreation property. The funds are being donated by the Newton South High School Booster Club.

Thank you for your consideration of this matter.

Sincerely,

A handwritten signature in blue ink that reads "Ruthanne Fuller".

Ruthanne Fuller  
Mayor

RECEIVED  
2020 MAR -9 PM 4:58  
CITY CLERK  
NEWTON, MA. 02459





NEWTON PARKS, RECREATION  
AND CULTURE DEPARTMENT

246 Dudley Road, Newton, MA 02459  
Office: (617) 796-1500  
TDD/TTY: (617) 796-1089  
parks@newtonma.gov



RUTHANNE FULLER  
MAYOR

NICOLE BANKS  
COMMISSIONER

March 9, 2020

Honorable Mayor Ruthanne Fuller  
Newton City Hall  
1000 Commonwealth Ave  
Newton, MA 02459

Dear Mayor Fuller,

I am writing to respectfully request that you docket with the Honorable City Council for consideration a request for the acceptance of \$270,000 of lighting equipment with technical details attached along with permission to accept more funds to be expended on the installation of a field light system for the Newton South High School Winkler Stadium Field which is on Newton Parks and Recreation property. The funds are being donated by the Newton South High School Booster Club.

Thank you for your consideration in this matter.

Sincerely,

Nicole Banks, Commissioner

CC: Jonathan Yeo, Chief Operating Officer  
Maureen Lemieux, Chief Financial Officer

**POLE IDENTIFICATION AND RESULTANT FORCES**

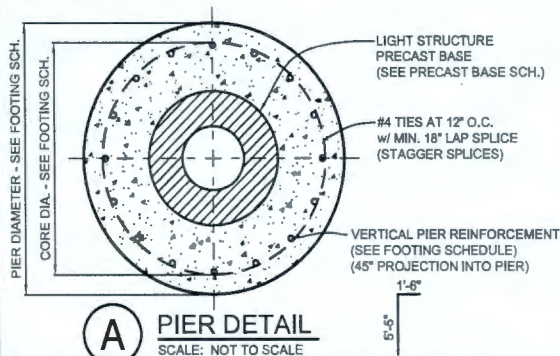
POLE DESIGNATION	POLE TYPE	PRECAST BASE TYPE	FIXTURE CONFIGURATION (FIX. PER XARM)	FIXTURE AND ACCESSORIES EPA (FT <sup>2</sup> )	FORCES (1.)		
					MOMENT (M) FT-LBS	SHEAR (V) LBS	VERTICAL (P) LBS
S1, S2	LSS80C	6B	11 (5+4)	29.4	152,192	2,986	4,037
S3, S4	LSS80C	6B	12 (5+4)	29.8	152,452	2,991	4,087

- ASD LOAD COMBINATION D + 0.6W. VERTICAL FORCE IS WEIGHT OF DRESSED POLE.
- POLES S3 & S4 HAVE (1) MUSCO LED FIXTURE AT 70'-0" AGL INCLUDED ABOVE. POLES S1 - S4 HAVE (2) MUSCO LED FIXTURES AT 15'-6" AGL INCLUDED ABOVE.

**PRECAST BASE ID FOR SPREAD FOOTING (S1 & S2)**

PRECAST BASE TYPE	PRECAST BASE WEIGHT (1.)	PRECAST BASE LENGTH (1.)	PROJECTION ABOVE GRADE	STANDARD EMBEDMENT (1.)	OUTSIDE DIAMETER	CUT LENGTH OFF BOTTOM (2.)	EMBEDMENT INTO FOOTING & PIER (3.)
6B	6,930 LBS	28'-1"	8'-1"	18'-0"	20.56"	10'-0"	6'-0"

- PRECAST BASE WEIGHT, LENGTH AND STANDARD EMBEDMENT ARE PRECUT PROPERTIES
- EPOXY COAT NEW BOTTOM SURFACE OF PRECAST BASE AFTER CUTTING
- EMBEDMENT EQUALS 2'-0" FOOTING THICKNESS PLUS 4'-0" PIER HEIGHT BELOW FOOTING



**CONCRETE/REINFORCEMENT NOTES**

CONCRETE SHALL COMPLY WITH THE FOLLOWING ASTM STANDARDS: MIXTURE WITH ASTM C-94, PORTLAND CEMENT WITH ASTM C-150 TYPE 1-A, AGGREGATES (MAX 0.75") WITH ASTM C-33 AND BE IN CONFORMANCE WITH ACI 318. CONCRETE SHALL BE AIR-ENTRAINED (COMPLY WITH ASTM C-260), HAVE A MAXIMUM WATER-CEMENT RATIO,  $w/cm = 0.45$  AND HAVE A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 4,500 PSI (S1, S2); 3,000 PSI (S3, S4).

DESIGN SLUMP LIMITS ARE 4" MINIMUM AND 6" MAXIMUM. THE JOB SITE SLUMP MAY BE INCREASED BY THE USE OF A WATER REDUCING AGENT MEETING ASTM C494-02.

CONCRETE REINFORCEMENT SHALL COMPLY WITH ASTM A615 GRADE 60 AND BE IN CONFORMANCE WITH ACI 315 & 318.

CONCRETE FOR SPREAD FOOTINGS MUST ATTAIN DESIGN STRENGTH PRIOR TO POLE INSTALLATION AND FIXTURE MOUNTING.

**DESIGN NOTES**

**DESIGN PARAMETERS:**  
WIND:  $V_{ult} = 127$  MPH,  $V_{red} = 98$  MPH (EXPOSURE C, RISK CATEGORY II) PER MASSACHUSETTS STATE BUILDING CODE - 780 CMR, 9TH EDITION (IBC 2015 / ASCE 7-10).

**GEOTECHNICAL PARAMETERS:**  
ALLOWABLE END BEARING SOIL PRESSURE: 1,200 PSF (S1 & S2)  
LATERAL SOIL RESISTANCE PARAMETERS: AS PROVIDED IN SOIL REPORT IN ACCORDANCE WITH MASSACHUSETTS STATE BUILDING CODE - 780 CMR, 9TH EDITION, CHAPTER 18.

OVER EXCAVATE 1'-0" BELOW THE BOTTOM OF THE SPREAD FOOTING TO A DEPTH OF -5'-0" BELOW GRADE. REPLACE THE OVER EXCAVATED AREA WITH COMPACTED STRUCTURAL FILL. THE STRUCTURAL FILL SHOULD BE IBC, TABLE 1806.2, CLASS 3 OR BETTER AND BE COMPACTED TO 98% OF STANDARD PROCTOR.

DESIGN SOIL PARAMETERS ARE AS NOTED. ACTUAL ALLOWABLE SOIL PARAMETERS MUST BE VERIFIED ON SITE. REFERENCE SOILS AND FOUNDATION REPORT, FILE NO. 01.0174475.00, PREPARED BY GZA GEOENVIRONMENTAL, INC.; BOSTON, MA.

A GEOTECHNICAL ENGINEER OR REPRESENTATIVE OF IS RECOMMENDED (NOT REQUIRED) TO BE AVAILABLE AT THE TIME OF THE FOUNDATION INSTALLATION TO VERIFY THE SOIL DESIGN PARAMETERS AND TO PROVIDE ASSISTANCE IF ANY PROBLEMS ARISE IN FOUNDATION INSTALLATION.

ENCOUNTERING SOIL FORMATIONS THAT WILL REQUIRE SPECIAL DESIGN CONSIDERATIONS OR EXCAVATION PROCEDURES MAY OCCUR. POLE FOUNDATIONS WILL NEED TO BE ANALYZED ACCORDING TO THE SOIL CONDITIONS THAT EXIST. IF ANY DISCREPANCIES OR INCONSISTENCIES ARISE, NOTIFY THE ENGINEER OF SUCH DISCREPANCIES. FOUNDATIONS WILL THEN BE REVISED ACCORDINGLY. REVISIONS WILL BE ANALYZED PER RECOMMENDATIONS DIRECTED BY A REGISTERED ENGINEER.

ALL EXCAVATIONS MUST BE FREE OF LOOSE SOIL AND DEBRIS PRIOR TO FOUNDATION INSTALLATION AND CONCRETE BACKFILL PLACEMENT. FOR DRILLED PIERS, TEMPORARY CASINGS OR DRILLERS SLURRY MAY BE USED TO STABILIZE THE EXCAVATION DURING INSTALLATION. CASINGS MUST BE REMOVED DURING CONCRETE BACKFILL PLACEMENT. CONCRETE BACKFILL MUST BE PLACED WITH A TREMIE WHEN SLURRY OR WATER IS PRESENT WITHIN THE EXCAVATION OR WHEN THE FREE DROP EXCEEDS 8'-0".

CONTRACTOR MUST BE FAMILIAR WITH THE COMPLETE SOIL INVESTIGATION REPORT AND BORINGS, AND CONTACT THE GEOTECHNICAL FIRM (IF NECESSARY) TO UNDERSTAND THE SOIL CONDITIONS AND THE POSSIBILITY OF GROUND WATER PUMPING AND EXCAVATION STABILIZATION OR BRACING DURING PRECAST BASE INSTALLATION AND PLACEMENT OF CONCRETE BACKFILL.

**GENERAL NOTES:**  
FIXTURES MUST BE LOCATED TO MAINTAIN 10'-0" MINIMUM HORIZONTAL CLEARANCE FROM ANY OBSTRUCTION. ENGINEER MUST BE NOTIFIED IF FOUNDATIONS ARE NEAR ANY RETAINING WALLS OR WITHIN / NEAR ANY SLOPES STEEPER THAN 3H : 1V. POLES, FIXTURES, PRECAST BASES, ELECTRICAL ITEMS AND INSTALLATION PER MUSCO LIGHTING.

**PRELIMINARY**  
**NOT FOR CONSTRUCTION**

NEWTON SOUTH HS  
FOOTBALL/SOCCER  
FIELD LIGHTING  
NEWTON, MA



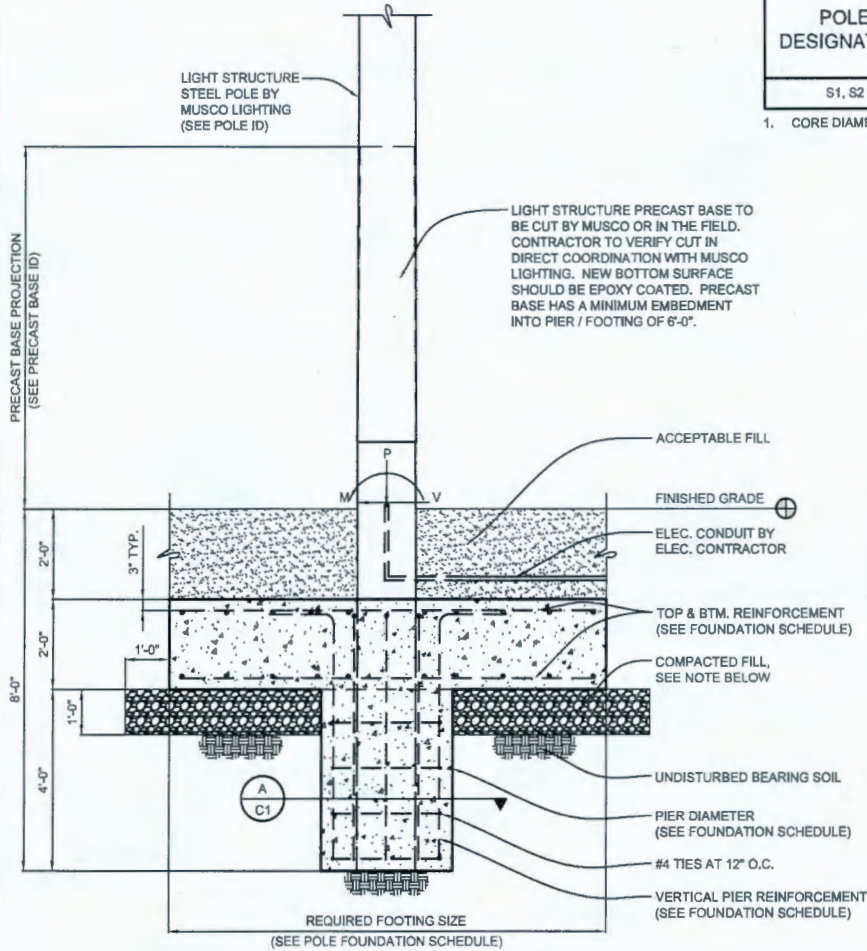
STRUCTURAL  
ENGINEERS, P.C.  
114 NICHOLAS DRIVE  
MARSHALLTOWN, IOWA 50158  
PHONE NUMBER: 641-752-6334  
EMAIL: MSLINFO@SEPC-BIZ

DRAWING TITLE: POLE AND FOUNDATION	PROJECT NUMBER 117155
SCALE: SEE PLAN	DATE 29 JANUARY 2020
NOTES: SCAN # 117155E	DRAWING NUMBER C1
OF THREE	



POLE FOUNDATION SCHEDULE (S1 & S2)							
POLE DESIGNATION	FOOTING			PIER			
	SIZE	THICKNESS	REINFORCEMENT TOP & BOTTOM (TOTAL) QUANTITY - SIZE	DIAMETER INCHES	CORE DIA. INCHES (1.)	VERTICAL REINFORCING	HORIZONTAL TIES
S1, S2	12'-0" x 12'-0"	2'-0"	(48) 12 - #7s EACH WAY	42	35	16 - #7	#4 @ 12"

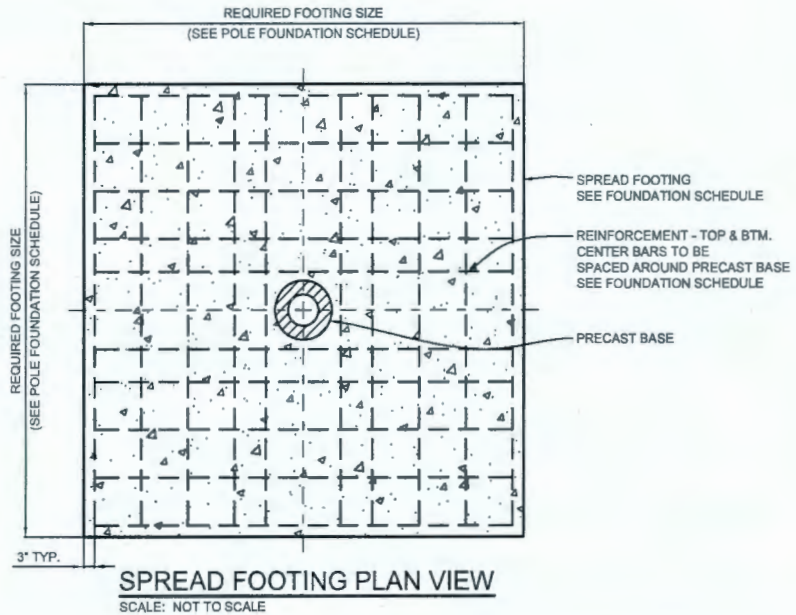
1. CORE DIAMETER EQUAL TO INSIDE DIAMETER OF TIES.



**POLE FOUNDATION ELEVATION**

SCALE: NOT TO SCALE

NOTE:  
OVER EXCAVATE 1'-0" BELOW THE BOTTOM OF THE SPREAD FOOTING TO A DEPTH OF -5'-0" BELOW GRADE. REPLACE THE OVER EXCAVATED AREA WITH COMPACTED STRUCTURAL FILL. THE STRUCTURAL FILL SHOULD BE IBC, TABLE 1806.2, CLASS 3 OR BETTER AND BE COMPACTED TO 98% OF STANDARD PROCTOR.



**SPREAD FOOTING PLAN VIEW**

SCALE: NOT TO SCALE

PRELIMINARY

NOT FOR CONSTRUCTION

**NEWTON SOUTH HS  
FOOTBALL/SOCCER  
FIELD LIGHTING  
NEWTON, MA**



**STRUCTURAL  
ENGINEERS, P.C.**  
 114 NICHOLAS DRIVE  
 MARSHALLTOWN, IOWA 50158  
 PHONE NUMBER: 841-752-8334  
 EMAIL: MSL.INFO@SEPC.BIZ

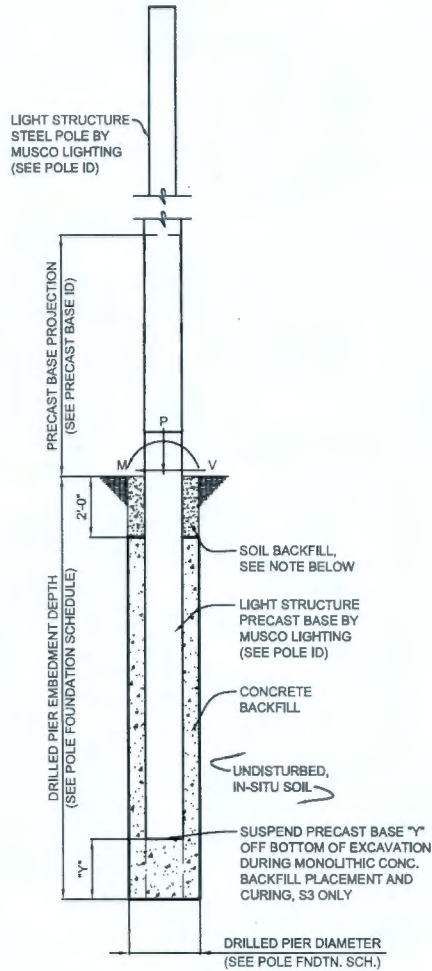
DRAWING TITLE:  
 POLE AND FOUNDATION  
 SCALE: SEE PLAN  
 NOTE:  
 SCAN #117155

PROJECT NUMBER  
 117155

DATE  
 29 JANUARY 2020

DRAWING NUMBER  
 C2

OF THREE



**POLE FOUNDATION ELEV.**

SCALE: NOT TO SCALE

SOIL BACKFILL NOTE:  
 THE TOP TWO FEET OF ANNULUS SHALL BE BACKFILLED WITH SOIL, WITH A CLASSIFICATION OF CLASS 5 (TABLE 1806.2) OR BETTER. COMPACTION, 95% FOR COHESIVE SOIL AND 98% FOR A COHESIONLESS SOIL BASED UPON STANDARD PROCTOR TESTING (ASTM D698).

**POLE FOUNDATION SCHEDULE (S3 & S4)**

POLE DESIGNATION	DRILLED PIER			
	DIAMETER INCHES	EMBEDMENT DEPTH (4.)	SUSPENSION "Y" (2.)	CONCRETE BACKFILL YD <sup>3</sup> (3.)
S3	36	21'-0"	3'-0"	3.7
S4	36	18'-0"	NA	2.9

1. ASD LOAD COMBINATION D + 0.8W. VERTICAL FORCE IS WEIGHT OF DRESSED POLE (DOES NOT INCLUDE PRECAST BASE WEIGHT)
2. SUSPEND PRECAST BASE "Y" OFF THE BOTTOM OF THE EXCAVATION DURING MONOLITHIC CONCRETE BACKFILL PLACEMENT AND CURING. NA = NOT APPLICABLE, SUSPENSION NOT REQUIRED.
3. MINIMUM CONCRETE BACKFILL VOLUME, SITE CONDITIONS MAY REQUIRE ADDITIONAL BACKFILL.
4. POTENTIAL FOR ENCOUNTERING ROCK BEFORE REACHING EMBEDMENT DEPTH. ROCK AUGERING EQUIPMENT MAY BE REQUIRED.

**PRECAST BASE IDENTIFICATION**

PRECAST BASE TYPE	PRECAST BASE WEIGHT	PRECAST BASE LENGTH	PROJECTION ABOVE GRADE	STANDARD EMBEDMENT	OUTSIDE DIAMETER
6B	6,930 LBS	26'-1"	8'-1"	18'-0"	20.56"

**PRELIMINARY**  
 NOT FOR CONSTRUCTION

NEWTON SOUTH HS  
 FOOTBALL/SOCCER  
 FIELD LIGHTING  
 NEWTON, MA



STRUCTURAL  
 ENGINEERS, P.C.  
 114 NICHOLAS DRIVE  
 MARSHALLTOWN, IOWA 50158  
 PHONE NUMBER: 641-752-8334  
 EMAIL: MSI.INFO@SEFPC.BIZ

DRAWING TITLE: POLE AND FOUNDATION SCALE: SEE PLAN	NOTES: SCAN #117159E
PROJECT NUMBER 117155	
DATE 29 JANUARY 2020	
DRAWING NUMBER C3	
OF THREE	





# Control System Summary

## Project Specific Notes:

## Project Information

Project #: 117155  
 Project Name: Newton South High School Football/Soccer  
 Date: 02/14/20  
 Project Engineer: T Lanphier  
 Sales Representative: Mike Berry  
 Control System Type: LED C&M  
 Communication Type: PowerLine-ST  
 Scan: 117155F  
 Document ID: 117155P1V4-0214092014  
 Distribution Panel Location or ID: Electrical Service #1  
 Total # of Distribution Panel Locations for Project: 1  
 Design Voltage/Hertz/Phase: 208/60/3  
 Control Voltage: 120

## Equipment Listing

DESCRIPTION	APPROXIMATE SIZE
1. Control and Monitoring Cabinet	24 X 48
Total Contactors	4
Total Off/On/Auto Switches:	1

*Preliminary Plans*  
 Confirm all Details - voltage,  
 # of distribution panels, etc.

## Materials Checklist

### Contractor/Customer Supplied:

- A dedicated control circuit must be supplied per distribution panel location. — If the control voltage is NOT available, a control transformer is required.
- Electrical distribution panel to provide overcurrent protection for circuits — HID rated or D-curve circuit breaker sized per full load amps on Circuit Summary by Zone Chart
- Wiring: — See chart on page 2 for wiring requirements — Equipment grounding conductor and splices must be insulated. (per circuit) — Lightning ground protection (per pole), if not Musco supplied.
- Electrical conduit wireway system — Entrance hubs rated NEMA 4: must be die-cast zinc, PVC, or copper-free die-cast aluminum
- Mounting hardware for cabinets
- Breaker lock-on device to prevent unauthorized power interruption to control power and powerline connection (if present)
- Anti-corrosion compound to apply to ends of wire, if necessary

Call Control-Link Central™ operations center at 877/347-3319 to schedule activation of the control system upon completion of the installation. Note: Activation may take up to 1 1/2 hours

## IMPORTANT NOTES

1. Please confirm that the design voltage listed above is accurate for this facility. Design voltage/phase is defined as the voltage/phase being connected and utilized at each lighting pole's electrical components enclosure disconnect. Inaccurate design voltage/phase can result in additional costs and delays. Contact your Musco sales representative to confirm this item.
2. In a 3 phase design, all 3 phases are to be run to each pole. When a 3 phase design is used Musco's single phase luminaires come pre-wired to utilize all 3 phases across the entire facility.
3. One contactor is required for each pole. When a pole has multiple circuits, one contactor is required for each circuit. All contactors are UL 100% rated for the published continuous load. All contactors are 3 pole.
4. If the lighting system will be fed from more than one distribution location, additional equipment may be required. Contact your Musco sales representative.
5. A single control circuit must be supplied per control system.
6. Size overcurrent devices using the full load amps column of the Circuit Summary By Zone chart- Minimum power factor is 0.9.

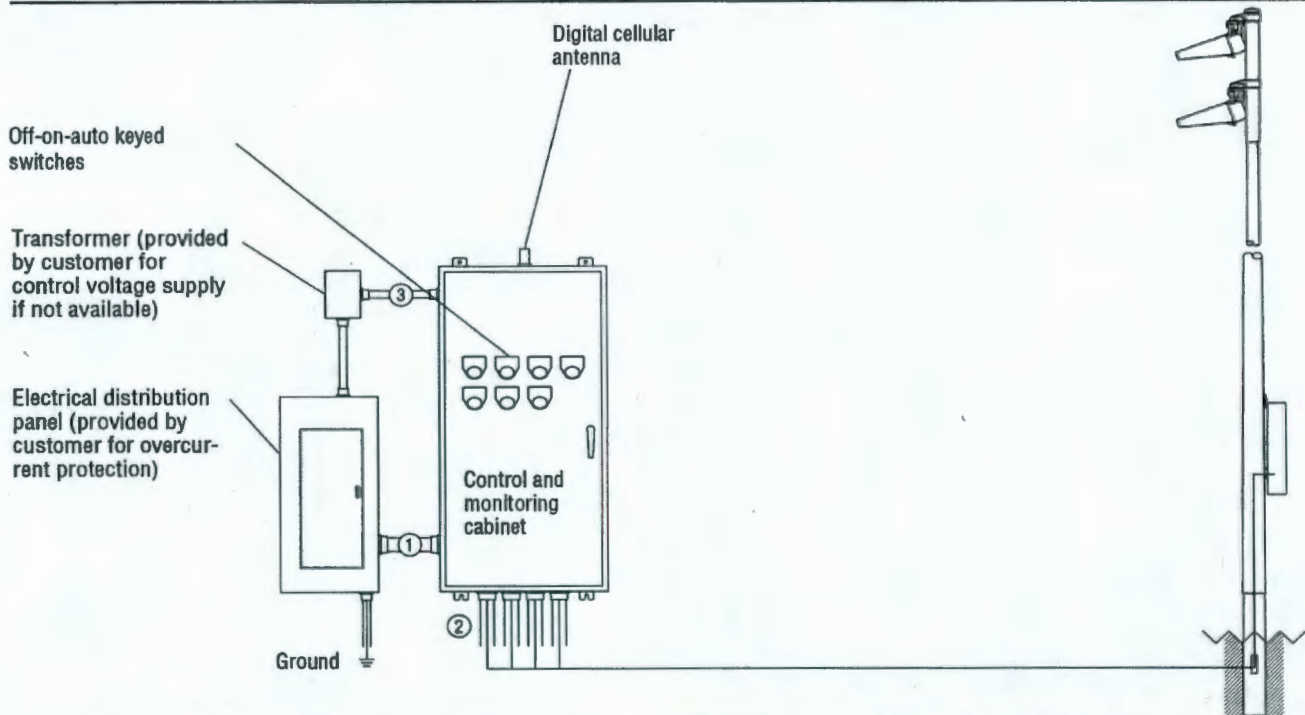
*NOTE: Refer to Installation Instructions for more details on equipment information and the installation requirements*



# Control System Summary

Newton South High School Football/Soccer / 117155 - 117155F  
 Electrical Service #1 - Page 2 of 4

## Control-Link. Control and Monitoring System



Conduit ID	Description	# of Wires	Wire (AWG)	Conduit (in)	Max. Wire Length (ft)	MUSCO Supplied	Notes
1	Line power to contactors, and equipment grounding conductor	*A	*B	*C	N/A	No	A-E
1	Power-line Communication Connection (dedicated, 20A)	*A	12	*C	N/A	No	A-E
2	Load power to lighting circuits, and equipment grounding conductor	*A	*B	*C	N/A	No	A-E
3	Control power (dedicated, 20A)	3	12	*C	N/A	No	C,E

\* Notes:

- A. See voltage and phasing per the notes on cover page.
- B. Calculate per load and voltage drop.
- C. All conduit diameters should be per code unless otherwise specified to allow for connector size.
- D. Equipment grounding conductor and any splices must be insulated.
- E. Refer to control and monitoring system installation instructions for more details on equipment information and the installation requirements.

R60-100-00\_A

**IMPORTANT:** Control wires (3) must be in separate conduit from line and load power wires (1, 2).





# Control System Summary

Newton South High School Football/Soccer / 117155 - 117155F  
 Electrical Service #1 - Page 3 of 4

## SWITCHING SCHEDULE

Field/Zone Description	Zones
FB/SO	1

CONTROL POWER CONSUMPTION	
120V Single Phase	
VA loading of Musco Supplied Equipment	INRUSH: 1553.0
	SEALED: 179.8

## CIRCUIT SUMMARY BY ZONE

POLE	CIRCUIT DESCRIPTION	# OF FIXTURES	# OF DRIVERS	*FULL LOAD AMPS	CONTACTOR SIZE (AMPS)	CONTACTOR ID	ZONE
S1	FB/SO	11	11	50.1	60	C1	1
S2	FB/SO	11	11	50.1	60	C2	1
S3	FB/SO	11	11	50.1	60	C3	1
S4	FB/SO	11	11	50.1	60	C4	1

\*Full Load Amps based on amps per driver.



## Control System Summary

Newton South High School Football/Soccer / 117155 - 117155F  
Electrical Service #1 - Page 4 of 4

### PANEL SUMMARY

CABINET #	CONTROL MODULE LOCATION	CONTACTOR ID	CIRCUIT DESCRIPTION	FULL LOAD AMPS	DISTRIBUTION PANEL ID (BY OTHERS)	CIRCUIT BREAKER POSITION (BY OTHERS)
1	1	C1	Pole S1	50.07		
1	1	C2	Pole S2	50.07		
1	1	C3	Pole S3	50.07		
1	1	C4	Pole S4	50.07		

### ZONE SCHEDULE

ZONE	SELECTOR SWITCH	ZONE DESCRIPTION	CIRCUIT DESCRIPTION	
			POLE ID	CONTACTOR ID
Zone 1	1	FB/SO	S1	C1
			S2	C2
			S3	C3
			S4	C4



**Newton South High School Football/Soccer**

Newton, MA

**Lighting System**

Pole / Fixture Summary						
Pole ID	Pole Height	Mtg Height	Fixture Qty	Luminaire Type	Load	Circuit
S1-S4	80'	80'	9	TLC-LED-1500	12.87 kW	A
		16'	2	TLC-BT-575	1.15 kW	A
<b>4</b>			<b>44</b>		<b>58.08 kW</b>	

Circuit Summary			
Circuit	Description	Load	Fixture Qty
A	Soccer	58.08 kW	44

Fixture Type Summary							
Type	Source	Wattage	Lumens	L80	L80	L70	Quantity
TLC-BT-575	LED 5700K - 75 CRI	575W	52,000	>81,000	>81,000	>81,000	8
TLC-LED-1500	LED 5700K - 75 CRI	1430W	160,000	>81,000	>81,000	>81,000	36

**Light Level Summary**

Calculation Grid Summary								
Grid Name	Calculation Metric	Illumination					Circuits	Fixture Qty
		Ave	Min	Max	Max/Min	Ave/Min		
Bleachers	Horizontal Illuminance	0	0	0	0.00		B	0
Football	Horizontal Illuminance	51	41	59	1.46	1.24	A	44
Property Line	Horizontal	0	0	0.04	0.00		A,B	44
Property Line	Max Candela (by Fixture)	286	0	2317	0.00		A,B	44
Property Line	Max Vertical Illuminance Metric	0.01	0	0.08	0.00		A,B	44
Soccer	Horizontal Illuminance	50.1	41	59	1.46	1.22	A	44
Wetlands Grid	Horizontal	0.01	0	2	0.00		A,B	44
Zero Grid	Horizontal	14.8	0	62	12539.03		A,B	44

From Hometown to Professional



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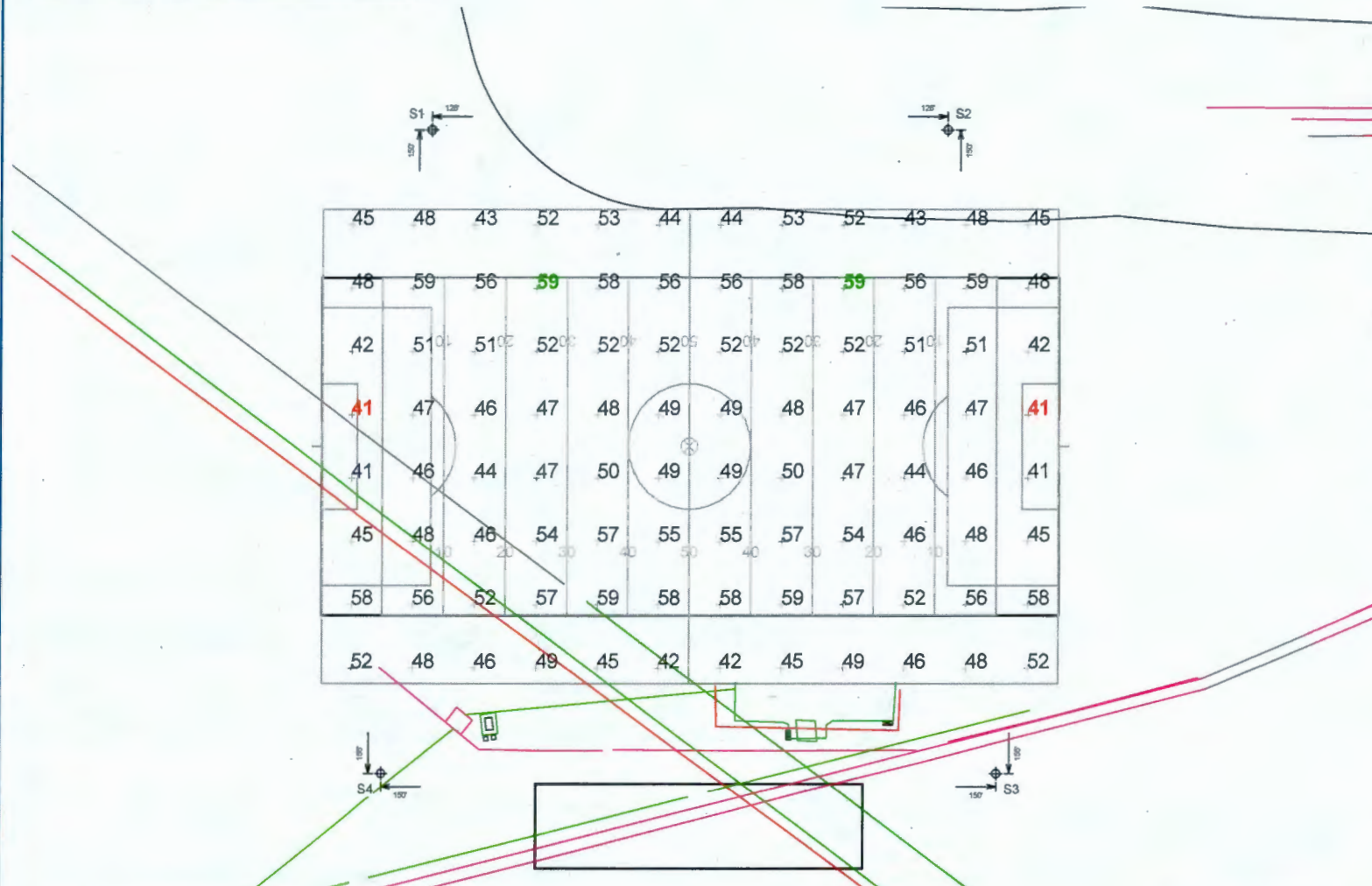
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EQUIPMENT LIST FOR AREAS SHOWN												
QTY	LOCATION	Pole		MOUNTING HEIGHT	Luminaire			DWT / POLE	TNS GRID	OTHER CODES		
		SIZE	GRADE ELEVATION		LUMINAIRE TYPE	NO.	NO.					
2	S1-S2	80'	-	15.5'	TLC-BT-575	2	2	0				
2	S3-S4	80'	-	80'	TLC-LED-1500	9	9	0				
2	S3-S4	80'	-	15.5'	TLC-BT-575	2	2	0				
2	S3-S4	80'	-	80'	TLC-LED-1500	9	9	0				
4	TOTALS									44	44	0

Newton South High School Football/Soccer  
Newton, MA

GRID SUMMARY	
Name:	Soccer
Size:	360' x 225'
Spacing:	30.0' x 30.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY		
MAINTAINED HORIZONTAL FOOTCANDLES		
Entire Grid		
Guaranteed Average:	50	
Scan Average:	50.06	
Maximum:	59	
Minimum:	41	
Avg / Min:	1.23	
Guaranteed Max / Min:	2	
Max / Min:	1.46	
UG (adjacent pts):	1.40	
CU:	0.71	
No. of Points:	96	
LUMINAIRE INFORMATION		
Color / CRI:	5700K - 75 CRI	
Luminaire Output:	52,000 / 160,000 lumens	
No. of Luminaires:	44	
Total Load:	56.08 KW	
Lumen Maintenance		
Luminaire Type	L90 hrs	L80 hrs
TLC-BT-575	>81,000	>81,000
TLC-LED-1500	>81,000	>81,000



**Guaranteed Performance:** The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

**Field Measurements:** Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

**Electrical System Requirements:** Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

**Installation Requirements:** Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



Pole location(s) ◆ dimensions are relative to 0,0 reference point(s) ⊙

ENGINEERED DESIGN By: Tanner Lanphier • File #117155F • 14-Feb-20



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ILLUMINATION SUMMARY



EQUIPMENT LIST FOR AREAS SHOWN										
Pole				Luminaire						
QTY	LOCATION	RISE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS		
2	S3-S2	80'	-	15.5'	TLC-BT-575	2	2	0		
2	S3-S4	80'	-	15.5'	TLC-BT-575	2	2	0		
4	TOTALS						44	44	0	

Newton South High School Football/Soccer  
Newton, MA

GRID SUMMARY	
Name:	Football
Size:	360' x 160'
Spacing:	30.0' x 30.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY	
MAINTAINED HORIZONTAL FOOTCANDLES	
Entire Grid	
Guaranteed Average:	50
Scan Average:	50.98
Maximum:	59
Minimum:	41
Avg / Min:	1.26
Guaranteed Max / Min:	2
Max / Min:	1.46
UG (adjacent pts):	1.28
CU:	0.55
No. of Points:	72

LUMINAIRE INFORMATION			
Color / CRI: 5700K - 75 CRI			
Luminaire Output: 52,000 / 160,000 lumens			
No. of Luminaires: 44			
Total Load: 56.08 kW			
Lumen Maintenance			
Luminaire Type	L90 hrs	L80 hrs	L70 hrs
TLC-BT-575	>81,000	>81,000	>81,000
TLC-LED-1500	>81,000	>81,000	>81,000

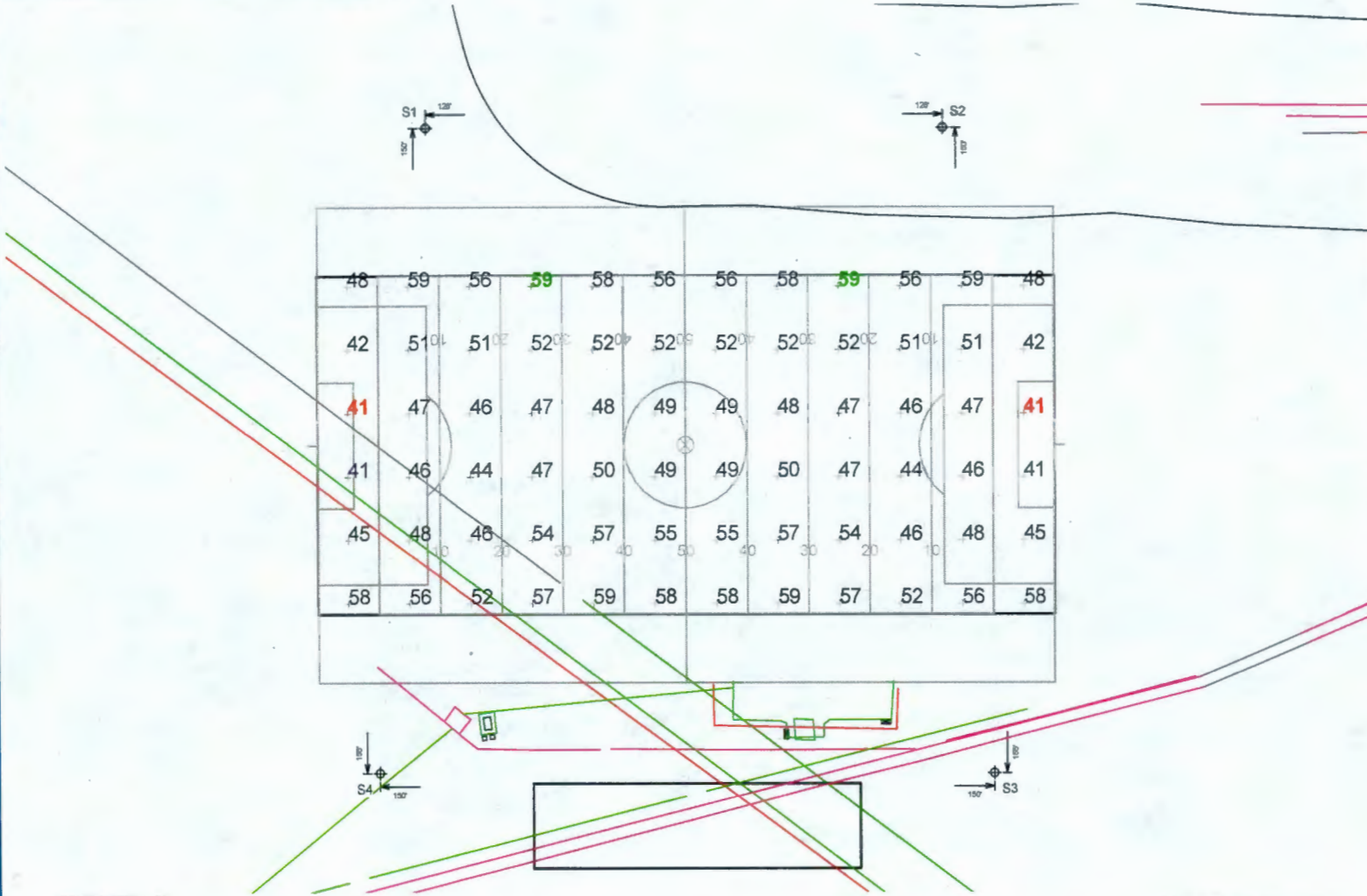
Reported per TM-21-11. See luminaire datasheet for details

**Guaranteed Performance:** The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

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Pole location(s) ◆ dimensions are relative to 0,0 reference point(s) ⊗



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EQUIPMENT LIST FOR AREAS SHOWN									
Pole				Luminaires					
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS	
2	53-57	80'	-	15.5'	TLC-BT-575	2	2	0	
				80'	TLC-LED-1500	9	9	0	
2	53-54	80'	-	15.5'	TLC-BT-575	2	2	0	
				80'	TLC-LED-1500	9	9	0	
4	TOTALS					44	44	0	

**Newton South High School Football/Soccer  
Newton, MA**

GRID SUMMARY	
Name:	Zero Grid
Size:	360' x 160'
Spacing:	40.0' x 40.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY			
MAINTAINED HORIZONTAL FOOTCANDLES			
Entire Grid			
Scan Average:	14.63		
Maximum:	62		
Minimum:	0		
Avg / Min:	2980.88		
Max / Min:	12539.03		
UG (adjacent pts):	31.56		
CU:	0.93		
No. of Points:	240		
LUMINAIRE INFORMATION			
Color / CRI:	5700K - 75 CRI		
Luminaire Output:	52,000 / 160,000 lumens		
No. of Luminaires:	44		
Total Load:	56.08 KW		
Lumen Maintenance			
Luminaire Type	L90 hrs	L80 hrs	L70 hrs
TLC-BT-575	>81,000	>81,000	>81,000
TLC-LED-1500	>81,000	>81,000	>81,000



NOTES:  
 Contour Line Key  
 Light blue: 1.0FC  
 Green: 0.5FC  
 Dark blue: 0.2FC



Pole location(s) ⬢ dimensions are relative to 0,0 reference point(s) ⊙

**Guaranteed Performance:** The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

**Field Measurements:** Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

**Electrical System Requirements:** Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

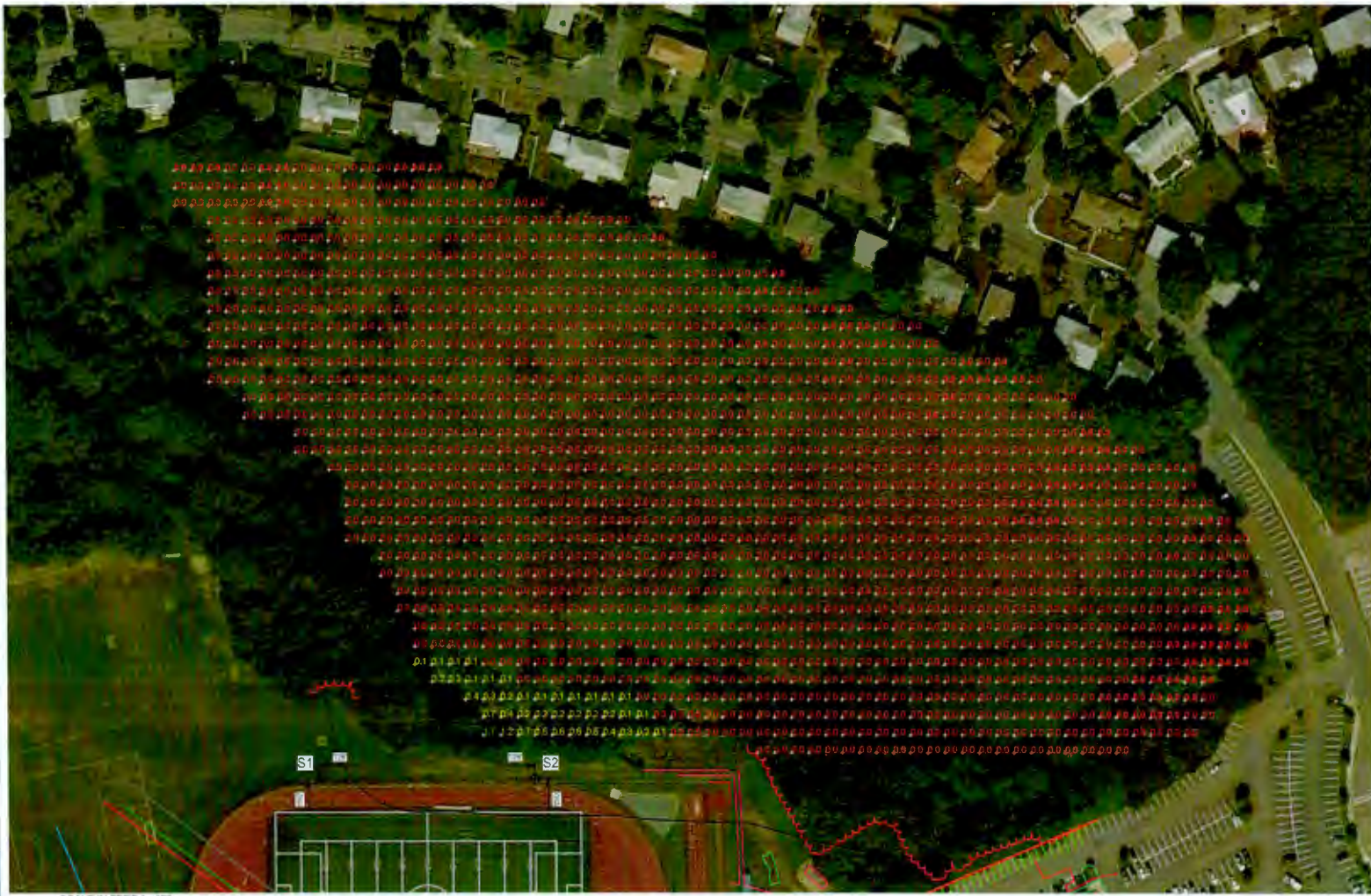
**Installation Requirements:** Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



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EQUIPMENT LIST FOR AREAS SHOWN									
		Pole			Luminaire				
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY	THIS GRID	OTHER GRIDS	
2	S3-S2	80'	-	15.5'	TLC-BT-575	2	2	0	0
2	S3-S4	80'	-	15.5'	TLC-LED-1500	9	9	0	0
4	TOTALS					44	44	0	0



Newton South High School Football/Soccer  
Newton, MA

GRID SUMMARY	
Name:	Wetlands Grid
Size:	360' x 160'
Spacing:	20.0' x 20.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY	
MAINTAINED HORIZONTAL FOOTCANDLES	
Entire Grid	
Scan Average:	0.01
Maximum:	2
Minimum:	0
Avg / Min:	-
Max / Min:	-
UG (adjacent pts):	14.13
CU:	0.00
No. of Points:	1428

LUMINAIRE INFORMATION			
Color / CRI:	5700K - 75 CRI		
Luminaire Output:	52,000 / 160,000 lumens		
No. of Luminaires:	44		
Total Load:	56.08 kW		
Lumen Maintenance			
Luminaire Type	L90 hrs	L80 hrs	L70 hrs
TLC-BT-575	>81,000	>81,000	>81,000
TLC-LED-1500	>81,000	>81,000	>81,000

Reported per TM-21-11. See luminaire datasheet for details.

**Guaranteed Performance:** The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

**Field Measurements:** Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

**Electrical System Requirements:** Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

**Installation Requirements:** Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



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Newton South High School Football/Soccer  
Newton, MA

EQUIPMENT LIST FOR AREAS SHOWN									
Pole				Luminaires					
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS	
2	S1-S2	80'	-	15.5'	TLC-BT-575	2	2	0	
2	S3-S4	80'	-	15.5'	TLC-LED-1500	9	9	0	
4	TOTALS					44	44	0	

GRID SUMMARY	
Name:	Property Line
Spacing:	30.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY			
HORIZONTAL FOOTCANDLES			
Entire Grid			
Scan Average:	0.0038		
Maximum:	0.04		
Minimum:	0.00		
No. of Points:	47		
LUMINAIRE INFORMATION			
Color / CRI:	5700K - 75 CRI		
Luminaire Output:	52,000 / 160,000 lumens		
No. of Luminaires:	44		
Total Load:	56.08 kW		
Lumen Maintenance			
Luminaire Type	L90 hrs	L80 hrs	L70 hrs
TLC-BT-575	>81,000	>81,000	>81,000
TLC-LED-1500	>81,000	>81,000	>81,000
Reported per TM-21-11. See luminaire datasheet for details.			



**Guaranteed Performance:** The ILLUMINATION described above is guaranteed per your Musco Warranty document.

**Field Measurements:** Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

**Electrical System Requirements:** Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

**Installation Requirements:** Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



Pole location(s) ◆ dimensions are relative to 0,0 reference point(s) ⊗



Newton South High School Football/Soccer  
Newton, MA

EQUIPMENT LIST FOR AREAS SHOWN									
Pole				Luminaires					
QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY/POLE	THIS GRID	OTHER GRIDS	
2	S1-S2	80'	-	15.5'	TLC-BT-575	2	2	0	
2	S3-S4	80'	-	15.5'	TLC-LED-1500	9	9	0	
4	TOTALS					44	44	0	

GRID SUMMARY	
Name:	Property Line
Spacing:	30.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY			
MAX VERTICAL FOOTCANDLES			
Entire Grid			
Scan Average:	0.0098		
Maximum:	0.08		
Minimum:	0.00		
No. of Points:	47		
LUMINAIRE INFORMATION			
Color / CRI:	5700K - 75 CRI		
Luminaire Output:	52,000 / 160,000 lumens		
No. of Luminaires:	44		
Total Load:	56.08 kW		
Lumen Maintenance			
Luminaire Type	L90 hrs	L80 hrs	L70 hrs
TLC-BT-575	>81,000	>81,000	>81,000
TLC-LED-1500	>81,000	>81,000	>81,000
Reported per TM-21-11. See luminaire datasheet for details.			



**Guaranteed Performance:** The ILLUMINATION described above is guaranteed per your Musco Warranty document.

**Field Measurements:** Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

**Electrical System Requirements:** Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

**Installation Requirements:** Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

Pole location(s) ⬥ dimensions are relative to 0,0 reference point(s) ⊗



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EQUIPMENT LIST FOR AREAS SHOWN									
QTY	LOCATION	Pole		MOUNTING HEIGHT	Luminaire		DIV/ POLE	YRB GRID	OTHER GRID
		WIDE	ELEVATION		LUMINAIRE TYPE	POLE			
2	S1-S2	80'	-	15.5'	TLC-BT-575	1	2	0	
2	S3-S4	80'	-	15.5'	TLC-BT-575	2	2	0	
				80'	TLC-LED-1500	9	9	0	
4	TOTALS					44	44	0	



Newton South High School Football/Soccer  
Newton, MA

GRID SUMMARY	
Name:	Property Line
Spacing:	30.0'
Height:	3.0' above grade

ILLUMINATION SUMMARY			
CANDELA (PER FIXTURE)			
Entire Grid			
Scan Average:	286,1185		
Maximum:	2316.83		
Minimum:	0.00		
No. of Points:	47		
LUMINAIRE INFORMATION			
Color / CRI:	5700K - 75 CRI		
Luminaire Output:	52,000 / 160,000 lumens		
No. of Luminaires:	44		
Total Load:	56.08 kW		
Lumen Maintenance			
Luminaire Type	L90 hrs	L80 hrs	L70 hrs
TLC-BT-575	>81,000	>81,000	>81,000
TLC-LED-1500	>81,000	>81,000	>81,000

Reported per TM-21-11. See luminaire datasheet for details.

**Guaranteed Performance:** The ILLUMINATION described above is guaranteed per your Musco Warranty document.

**Field Measurements:** Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

**Electrical System Requirements:** Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

**Installation Requirements:** Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.



Pole location(s) ⬤ dimensions are relative to 0,0 reference point(s) ⊗



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Newton South High School Football/Soccer  
Newton, MA



**EQUIPMENT LAYOUT**

**INCLUDES:**

- Bleachers
- Football
- Soccer

**Electrical System Requirements:** Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

**Installation Requirements:** Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

**EQUIPMENT LIST FOR AREAS SHOWN**

QTY	LOCATION	Pole		Luminaire		QTY / POLE
		SIZE	LOCAL ELEVATION	MOONBIRD HEIGHT	LUMINAIRE TYPE	
2	S1-S2	80'	-	15.5'	TLC-BT-575	2
				80'	TLC-LED-1500	9
2	S3-S4	80'	-	15.5'	TLC-BT-575	2
				80'	TLC-LED-1500	9
4	TOTALS					44

**SINGLE LUMINAIRE AMPERAGE DRAW CHART**

Ballast Specifications (1.80 min power factor)	Line Amperage Per Luminaire (max draw)					
	208 (90)	220 (90)	240 (90)	277 (90)	347 (90)	480 (90)
Single Phase Voltage	7.08	7.20	7.40	7.77	8.47	11.60
TLC-BT-575	3.4	3.2	2.9	2.5	2.0	1.8
TLC-LED-1500	8.5	8.1	7.4	6.4	5.1	4.7

Pole location(s) ⬤ dimensions are relative to 0,0 reference point(s) ⊕



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Ruthanne Fuller  
Mayor

City of Newton, Massachusetts  
Department of Planning and Development  
1000 Commonwealth Avenue Newton, Massachusetts 02459

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Barney S. Heath  
Director

January 31, 2020

Luis Perez-Demorizi  
City of Newton Parks, Recreation, and Culture  
246 Dudley Road  
Newton, MA 02459

RE: 140 Brandeis Road, Request for Determination of Applicability

**Project summary**

- Install 4 field light poles at the currently unlit Newton South High School field, with related trenching for electrical wiring.
- Work within the buffer zone is limited to the installation of the bases for 2 of the light structures and the trenching associated with the necessary electrical conduit.
- Erosion controls are proposed to be installed between the proposed lights and the resource area.

**Approved plans**

- "Electrical Site Plan E1.01" prepared by Richard Alexy (1/12/20)
- "Illumination Summary (wetlands grid)" prepared by Musco (11/11/19)
- "Newton South High School Football/Soccer Lighting Design" by Musco (10/4/19)

Dear Mr. Perez-Demorizi:

Enclosed is the Newton Conservation Commission's Determination of Applicability under the Wetlands Protection Act, MGL Ch. 131, s. 40 and the Newton Floodplain/Watershed Protection Ordinance, Section 22-22. The Determination is "Negative-Conditional", i.e., the Commission has determined that by following the referenced plan(s) and the following mandatory conditions listed below, no adverse alteration of the wetland resource area will occur and so no further wetland filing is needed.

- The applicant must schedule and attend a pre-construction site visit to check erosion controls.
- All spoils from trenching and auguring must be properly disposed of off-site.
- Concrete for the footings must be mixed on site to reduce waste. Any excess concrete must be properly disposed of off-site.
- Any concrete washout must occur outside the 100' buffer zone.
- All disturbed areas must be fine-graded, loamed, and seeded to ensure permanent stabilization.

If you have any questions regarding this Determination, please contact me.

Sincerely,

  
Claire Rundelli  
Assistant Environmental Planner

CC: Wetlands Division, DEP - NERO, 205B Lowell St., Wilmington, MA 01887



Massachusetts Department of Environmental Protection  
Bureau of Resource Protection - Wetlands

**WPA Form 2 – Determination of Applicability**

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

**A. General Information**

**Important:**  
When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



From:

Newton  
Conservation Commission

To: Applicant

Luis Perez Demorizi, Parks, Rec., and Culture

Name

246 Dudley Road

Mailing Address

Newton

City/Town

MA

State

02459

Zip Code

Property Owner (if different from applicant):

City of Newton

Name

1000 Commonwealth Ave

Mailing Address

Newton

City/Town

MA

State

02459

Zip Code

1. Title and Date (or Revised Date if applicable) of Final Plans and Other Documents:

"Electrical Site Plan E1.01" prepared by Richard Alexy

Title

1/12/20

Date

"Illumination Summary (wetlands grid)" prepared by Musco

Title

11/11/19

Date

"Newton South High School Football/Soccer Lighting Design" by Musco

Title

10/4/19

Date

2. Date Request Filed:

1/14/20

**B. Determination**

Pursuant to the authority of M.G.L. c. 131, § 40, the Conservation Commission considered your Request for Determination of Applicability, with its supporting documentation, and made the following Determination.

Project Description (if applicable):

The scope of work at the Newton South High School Field encompasses the retrofitting of the unlit field with new high efficiency lighting that will help extend the playability of the fields. Excavation occurring on the WPA jurisdiction involves digging the light pole foundations and trenching associated with the installation of new electrical conduit. The lighting proposed at the fields has been designed for the least possible spillage.

Project Location:

140 Brandeis Road

Street Address

81051

Assessors Map/Plat Number

Newton

City/Town

0047

Parcel/Lot Number



Massachusetts Department of Environmental Protection  
Bureau of Resource Protection - Wetlands

**WPA Form 2 – Determination of Applicability**

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

**B. Determination (cont.)**

The following Determination(s) is/are applicable to the proposed site and/or project relative to the Wetlands Protection Act and regulations:

Positive Determination

Note: No work within the jurisdiction of the Wetlands Protection Act may proceed until a final Order of Conditions (issued following submittal of a Notice of Intent or Abbreviated Notice of Intent) or Order of Resource Area Delineation (issued following submittal of Simplified Review ANRAD) has been received from the issuing authority (i.e., Conservation Commission or the Department of Environmental Protection).

1. The area described on the referenced plan(s) is an area subject to protection under the Act. Removing, filling, dredging, or altering of the area requires the filing of a Notice of Intent.

2a. The boundary delineations of the following resource areas described on the referenced plan(s) are confirmed as accurate. Therefore, the resource area boundaries confirmed in this Determination are binding as to all decisions rendered pursuant to the Wetlands Protection Act and its regulations regarding such boundaries for as long as this Determination is valid.

2b. The boundaries of resource areas listed below are not confirmed by this Determination, regardless of whether such boundaries are contained on the plans attached to this Determination or to the Request for Determination.

3. The work described on referenced plan(s) and document(s) is within an area subject to protection under the Act and will remove, fill, dredge, or alter that area. Therefore, said work requires the filing of a Notice of Intent.

4. The work described on referenced plan(s) and document(s) is within the Buffer Zone and will alter an Area subject to protection under the Act. Therefore, said work requires the filing of a Notice of Intent or ANRAD Simplified Review (if work is limited to the Buffer Zone).

5. The area and/or work described on referenced plan(s) and document(s) is subject to review and approval by:

\_\_\_\_\_  
Name of Municipality

Pursuant to the following municipal wetland ordinance or bylaw:

\_\_\_\_\_  
Name

\_\_\_\_\_  
Ordinance or Bylaw Citation





Massachusetts Department of Environmental Protection  
Bureau of Resource Protection - Wetlands

**WPA Form 2 – Determination of Applicability**

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

**B. Determination (cont.)**

6. The following area and/or work, if any, is subject to a municipal ordinance or bylaw but not subject to the Massachusetts Wetlands Protection Act:

7. If a Notice of Intent is filed for the work in the Riverfront Area described on referenced plan(s) and document(s), which includes all or part of the work described in the Request, the applicant must consider the following alternatives. (Refer to the wetland regulations at 10.58(4)c. for more information about the scope of alternatives requirements):

- Alternatives limited to the lot on which the project is located.
- Alternatives limited to the lot on which the project is located, the subdivided lots, and any adjacent lots formerly or presently owned by the same owner.
- Alternatives limited to the original parcel on which the project is located, the subdivided parcels, any adjacent parcels, and any other land which can reasonably be obtained within the municipality.
- Alternatives extend to any sites which can reasonably be obtained within the appropriate region of the state.

**Negative Determination**

Note: No further action under the Wetlands Protection Act is required by the applicant. However, if the Department is requested to issue a Superseding Determination of Applicability, work may not proceed on this project unless the Department fails to act on such request within 35 days of the date the request is post-marked for certified mail or hand delivered to the Department. Work may then proceed at the owner's risk only upon notice to the Department and to the Conservation Commission. Requirements for requests for Superseding Determinations are listed at the end of this document.

1. The area described in the Request is not an area subject to protection under the Act or the Buffer Zone.
2. The work described in the Request is within an area subject to protection under the Act, but will not remove, fill, dredge, or alter that area. Therefore, said work does not require the filing of a Notice of Intent.
3. The work described in the Request is within the Buffer Zone, as defined in the regulations, but will not alter an Area subject to protection under the Act. Therefore, said work does not require the filing of a Notice of Intent, subject to the following conditions (if any).  
1) Applicant must schedule and attend a pre-construction site visit to check erosion controls. 2) All spoils from trenching and auguring shall be properly disposed off-site. 3) Concrete for backfilling of footings shall be mixed on site to reduce waste and any excess concrete must be disposed properly off-site. 4) Any concrete washout must occur outside the 100' buffer zone. 5) All disturbed areas must be fine graded, loamed, and seeded to ensure permanent stabilization.
4. The work described in the Request is not within an Area subject to protection under the Act (including the Buffer Zone). Therefore, said work does not require the filing of a Notice of Intent, unless and until said work alters an Area subject to protection under the Act.

**B. Determination (cont.)**



Massachusetts Department of Environmental Protection  
Bureau of Resource Protection - Wetlands

**WPA Form 2 – Determination of Applicability**

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

- 5. The area described in the Request is subject to protection under the Act. Since the work described therein meets the requirements for the following exemption, as specified in the Act and the regulations, no Notice of Intent is required:

Exempt Activity (site applicable statutory/regulatory provisions)

- 6. The area and/or work described in the Request is not subject to review and approval by:

Name of Municipality

Pursuant to a municipal wetlands ordinance or bylaw.

Name

Ordinance or Bylaw Citation

**C. Authorization**

This Determination is issued to the applicant and delivered as follows:

- by hand delivery on *his Rec'd-Demois:*  by certified mail, return receipt requested on

Date 1/31/20

Date

This Determination is valid for **three years** from the date of issuance (except Determinations for Vegetation Management Plans which are valid for the duration of the Plan). This Determination does not relieve the applicant from complying with all other applicable federal, state, or local statutes, ordinances, bylaws, or regulations.

This Determination must be signed by a majority of the Conservation Commission. A copy must be sent to the appropriate DEP Regional Office (see <http://www.mass.gov/eea/agencies/massdep/about/contacts/>) and the property owner (if different from the applicant).

Signatures:

*Susan H. Fry*  
*[Signature]*  
*[Signature]*  
*[Signature]*

*Cynthia J. Gill*

1/31/20  
Date

**D. Appeals**



Massachusetts Department of Environmental Protection  
Bureau of Resource Protection - Wetlands

## WPA Form 2 – Determination of Applicability

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

The applicant, owner, any person aggrieved by this Determination, any owner of land abutting the land upon which the proposed work is to be done, or any ten residents of the city or town in which such land is located, are hereby notified of their right to request the appropriate Department of Environmental Protection Regional Office (see <http://www.mass.gov/eea/agencies/massdep/about/contacts/>) to issue a Superseding Determination of Applicability. The request must be made by certified mail or hand delivery to the Department, with the appropriate filing fee and Fee Transmittal Form (see Request for Departmental Action Fee Transmittal Form) as provided in 310 CMR 10.03(7) within ten business days from the date of issuance of this Determination. A copy of the request shall at the same time be sent by certified mail or hand delivery to the Conservation Commission and to the applicant if he/she is not the appellant. The request shall state clearly and concisely the objections to the Determination which is being appealed. To the extent that the Determination is based on a municipal ordinance or bylaw and not on the Massachusetts Wetlands Protection Act or regulations, the Department of Environmental Protection has no appellate jurisdiction.



Massachusetts Department of Environmental Protection  
Bureau of Resource Protection - Wetlands

DEP File Number: \_\_\_\_\_

**Request for Departmental Action Fee  
Transmittal Form**

Provided by DEP

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

**A. Request Information**

1. Location of Project

_____	_____
a. Street Address	b. City/Town, Zip
_____	_____
c. Check number	d. Fee amount

2. Person or party making request (if appropriate, name the citizen group's representative):

\_\_\_\_\_

Name

\_\_\_\_\_

Mailing Address

_____	_____	_____
City/Town	State	Zip Code
_____	_____	_____
Phone Number	Fax Number (if applicable)	

3. Applicant (as shown on Determination of Applicability (Form 2), Order of Resource Area Delineation (Form 4B), Order of Conditions (Form 5), Restoration Order of Conditions (Form 5A), or Notice of Non-Significance (Form 6)):

\_\_\_\_\_

Name

\_\_\_\_\_

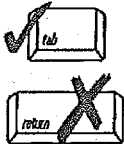
Mailing Address

_____	_____	_____
City/Town	State	Zip Code
_____	_____	_____
Phone Number	Fax Number (if applicable)	

4. DEP File Number:

\_\_\_\_\_

**Important:**  
When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



**B. Instructions**

1. When the Departmental action request is for (check one):

- Superseding Order of Conditions – Fee: \$120.00 (single family house projects) or \$245 (all other projects)
- Superseding Determination of Applicability – Fee: \$120
- Superseding Order of Resource Area Delineation – Fee: \$120

Send this form and check or money order, payable to the *Commonwealth of Massachusetts*, to:

Department of Environmental Protection  
Box 4062  
Boston, MA 02211





Massachusetts Department of Environmental Protection  
Bureau of Resource Protection - Wetlands

**Request for Departmental Action Fee  
Transmittal Form**

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

DEP File Number:

\_\_\_\_\_  
Provided by DEP

**B. Instructions (cont.)**

2. On a separate sheet attached to this form, state clearly and concisely the objections to the Determination or Order which is being appealed. To the extent that the Determination or Order is based on a municipal bylaw, and not on the Massachusetts Wetlands Protection Act or regulations, the Department has no appellate jurisdiction.
3. Send a copy of this form and a copy of the check or money order with the Request for a Superseding Determination or Order by certified mail or hand delivery to the appropriate DEP Regional Office (see <http://www.mass.gov/eea/agencies/massdep/about/contacts/>).
4. A copy of the request shall at the same time be sent by certified mail or hand delivery to the Conservation Commission and to the applicant, if he/she is not the appellant.