

**Memo Date:** 17 May 2022

**Project:** 22001 | Lincoln-Eliot Elementary School

**Distribution:** Tina Soo Hoo; Arrowstreet

**Prepared By:** Kellie Connelly; Terraink

### Comments:

Terraink will be developing a “Tree Protection and Removal Plan” as part of the Design Development set of Drawings for the Lincoln-Eliot Elementary School project. We will include plan documentation and the numerical information required per the City of Newton’s “Tree Permit Application.”

The proposed process for the “Tree Protection and Removal Plan” is as follows:

1. All trees 8-inches and greater in diameter will be shown on the Lincoln-Eliot existing conditions survey in areas of proposed improvement and site grading. This includes an additional wooded parcel near the existing gravel lot that is currently being surveyed.
2. The Tree Warden has provided a preliminary determination of “protected trees” and “poor condition trees” per their 03/14/2022 email and attached plan.
3. When the existing conditions survey is updated to include all trees 8-inches and greater in caliper within areas of development, we will then request that the Tree Warden offer their opinion on any additional “protected trees” and “poor condition trees” that should be noted within the “Tree Protection and Removal Plan.”
4. With the submission of the Tree Warden’s findings to Arrowstreet/Terraink, we will then calculate the final number of tree diameter inches at a diameter breast height (DBH) to be removed.
5. Our current tree findings are as follows, but are subject to change upon the final site survey being completed:
  - a. Total Tree Caliper Inches in the Project Area = 31 Trees/ 473-inches.
  - b. Total Tree Caliper Inches to be “Protected” in the Project Area = 10 trees/ 179-inches.
  - c. Total Tree Caliper Inches to be “Removed” per the Tree Warden’s Direction = 5 trees/ 79-inches.
  - d. Total Tree Caliper Inches to be “Removed” in the Project Area = 16 trees/ 215-inches.
  - e. Total Tree Caliper Inches to be “Replicated” on the site or offset with a payment to the City Tree Fund = 70 trees/ 210-inches.
6. Upon submission of the “Tree Protection and Removal Plan” to the Tree Warden, we anticipate that they will decide the appropriate “Tree Removal/Replacement” caliper offsets and/or payments to the City Tree Fund per the Newton Tree Manual.
7. The “Tree Protection and Removal Plan” will include:
  - a. The site survey.
  - b. Area(s) of disturbance.
  - c. Existing trees with DBH measurements.
  - d. Indications of “Protect” or “Removal” on the Plan.
  - e. A chart indicating the total caliper inches for each category (Protect, Remove, Replace).
  - f. A tree protection detail.
  - g. Existing wooded area to remain. Further investigation of area along edge of proposed parking will be done to minimize/eliminate impacts to woods.



[illegible]

TREE PROTECTION AND REMOVAL SCHEDULE - SHEET L0.02

EXISTING TREES TO PROTECT (8-INCH CALIPER AND GREATER)

[illegible]

## UNHEALTHY TREES TO REMOVE (NOT REQUIRING REPLICATION PER TREE WARDEN)

[illegible]

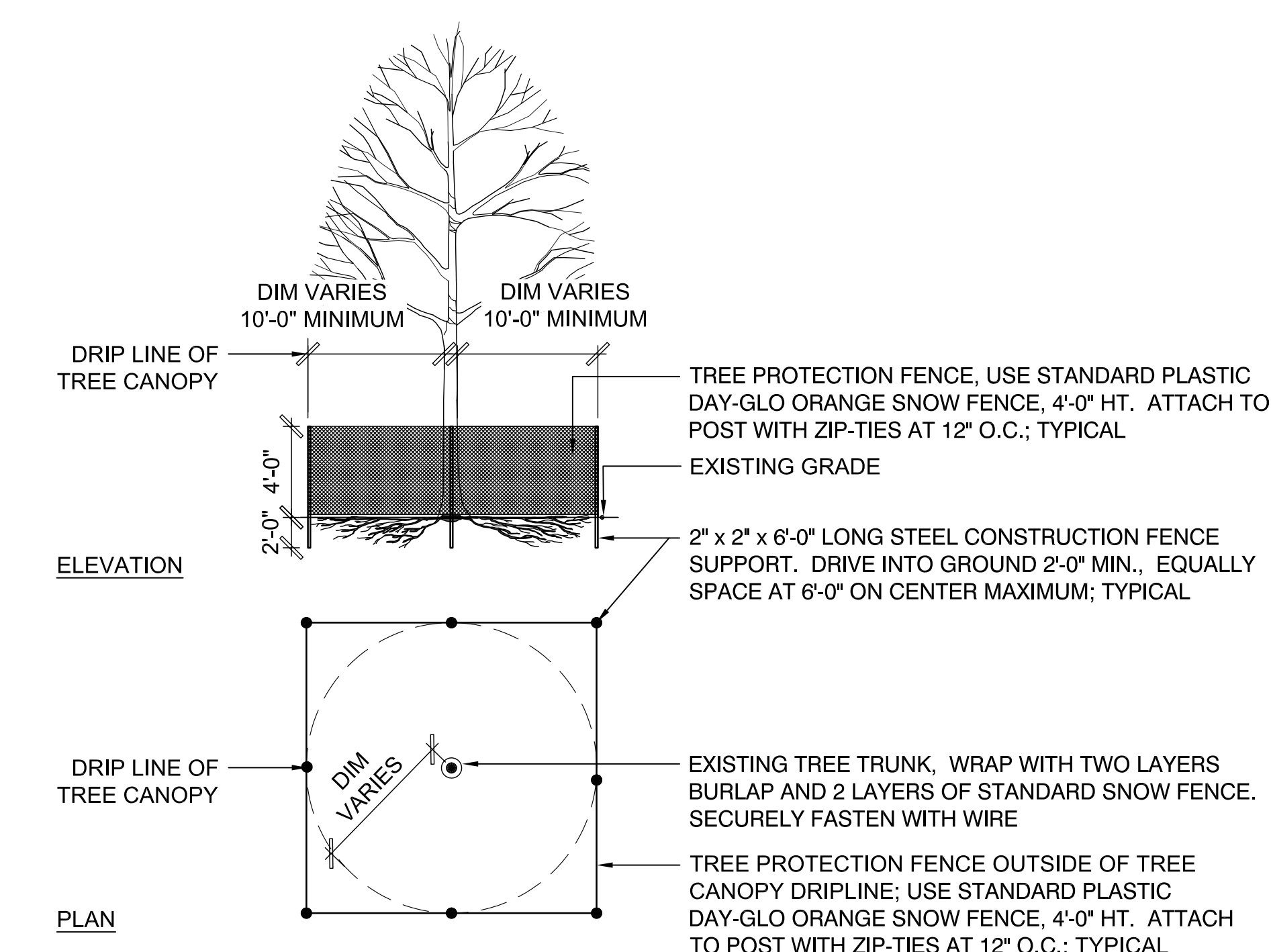
### EXISTING TREES TO REMOVE (8-INCH CALIPER AND GREATER)

[illegible]

PROPOSED TREES TO OFFSET TREE REMOVALS (SEE SHEET L3.01)

TYPE	2-3" CALIPER	3-3.5" CALIPER				TOTAL TREE QTY	TOTAL CAL. IN
DECIDUOUS	68	2					
OVERALL TOTAL TO BE PROPOSED:						70	210"

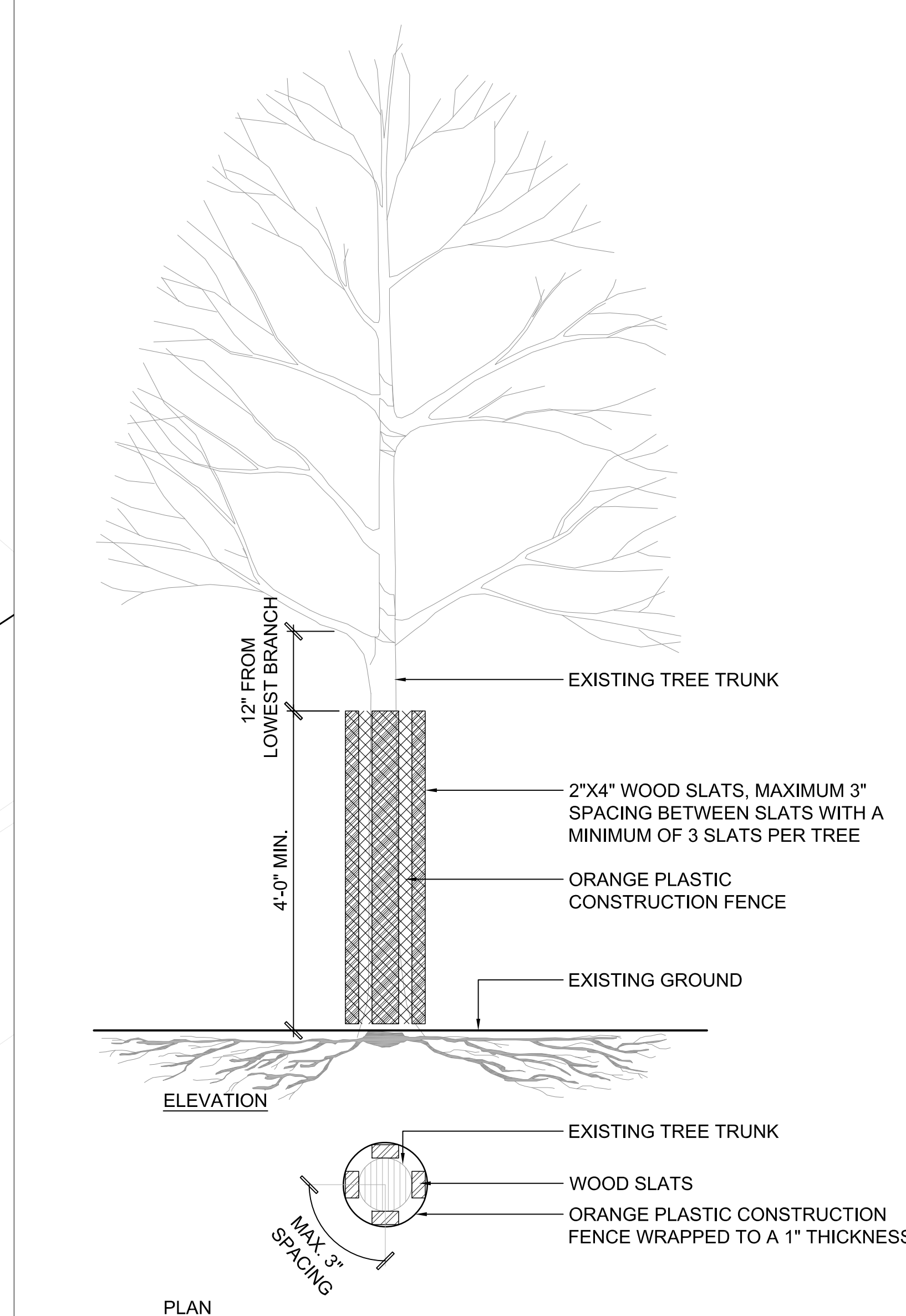
NOTE:  
"EXISTING TREES TO REMOVE" QUANTITIES TO  
BE UPDATED ONCE ON-GOING TOPOGRAPHIC  
SURVEY IS COMPLETED IN LIMITED AREA NEAR  
THE EXISTING GRAVEL LOT.



- NOTES:
1. PROTECTIVE BARRICADE TO BE PLACED A MINIMUM OF 10' FROM BASE OF TREE PLUS AN ADDITIONAL 1' FOR EACH ADDITIONAL DBH FOR TREES GREATER THAN 10" DBH. ALL WORK PERFORMED WITHIN PROTECTIVE BARRICADES SHALL BE COMPLETED BY HAND AND WITH LIGHT EQUIPMENT.
  2. FOR TREES THAT OCCUR IN GROUPS, PROVIDE TREE PROTECTION FENCE AROUND THE ENTIRE AREA. SEE PLAN FOR LOCATIONS.
  3. DO NOT STORE ALL WOODENY OR MATERIALS WITHIN AREA OF THE TREE PROTECTION FENCE.
  4. CONTACT APPROVED ARBORIST TO PERFORM RECOMMENDED FERTILIZATION, ROOT PRUNING, AND LIMB PRUNING TREATMENTS ON SPECIMEN TREES BEFORE BEGINNING SITE PREPARATION WORK.
  5. HAND EXCAVATE ONLY WITHIN THE AREA OF TREE PROTECTION FENCE.
  6. REMOVAL OF SPECIMEN TREES SHALL BE APPROVED BY THE CITY OF CHICAGO, DEPARTMENT OF PLANTATION.

1 TREE PROTECTION PROTECTIVE BARRICADE FENCE DETAIL  
SCALE: N.T.S.

PLAN | ELEVATION



- NOTE:  
TRUNK PROTECTION TO BE USED ONLY WHEN TREE PROTECTION  
BARRICADE CANNOT BE PROVIDED DUE TO SITE CONSTRAINTS.  
INSTALLATION MUST BE APPROVED AND SUPERVISED BY THE ARBORIST.

② TREE PROTECTION DETAIL; FOR USE WHEN PROTECTION BARRICADE (DETAIL ABOVE) CANNOT  
SCALE: N.T.S. PLAN | ELEVATION

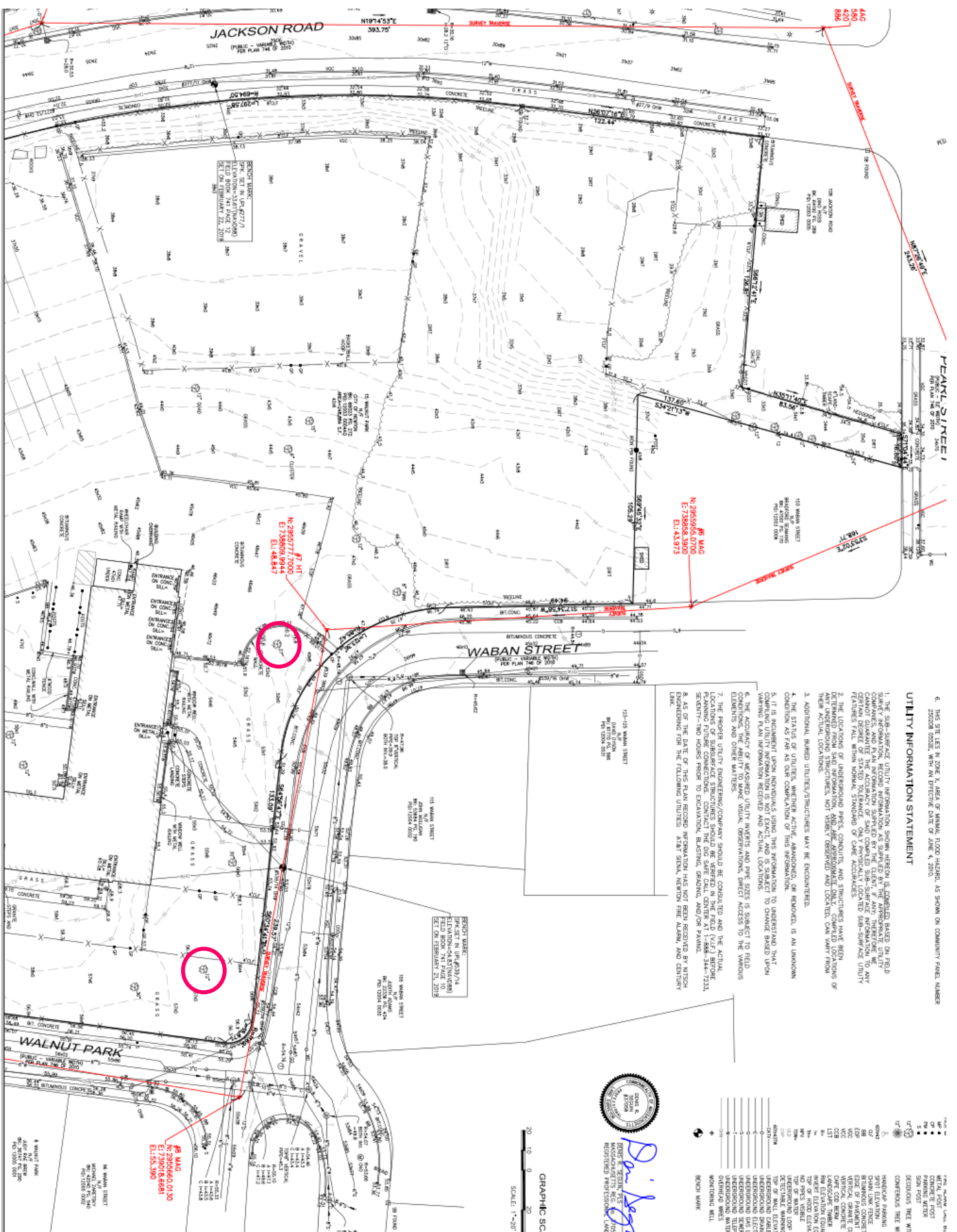
PLAN | ELEVATION

### LEGEND

- |  |   |
|--|---|
|  | PROPERTY LINE   |
|  | LIMIT OF WORK   |
|  | TREE PROTECTION FENCE   |
|  | EXISTING DECIDUOUS TREE TO REMAIN   |
|  | EXISTING EVERGREEN TREE TO REMAIN   |
|  | EXISTING DECIDUOUS TREE TO BE REMOVED   |
|  | EXISTING DECIDUOUS TREE TO BE REMOVED<br>(IN POOR CONDITION: WILL NOT<br>REQUIRE REPLACEMENT PER TREE WARDEN) |
|  | EXISTING EVERGREEN TREE TO BE REMOVED   |

*DRAFT*





6. THIS SITE LIES IN ZONE "X," AREA OF MINIMAL FLOOD HAZARD, AS SHOWN ON COMMUNITY PANEL NUMBER 250208 0505E, WITH AN EFFECTIVE DATE OF JUNE 4, 2010.

1. THE SUB-SOURCE UTILITY INFORMATION SHOWN HEREON IS COMPILED BASED ON FIELD SURVEY INFORMATION. RECORD INFORMATION IS SUPPLIED BY THE APPLICABLE UTILITY COMPANY. THE UTILITY COMPANY HAS NOT BEEN ADVISED BY THE USER THAT THE INFORMATION CANNOT GUARANTEE THE ACCURACY OF SAID COMPILED SUB-SOURCE INFORMATION TO ANY CERTAIN DEGREE OF STATED TOLERANCE NOR PHYSICALLY LOCATED SUB-SOURCE UTILITY INFORMATION.
2. THE APPLICABLE UTILITY COMPANY'S RECORDS AND FIELD SURVEY INFORMATION ARE DETERMINED FROM SAID INFORMATION, AND ARE APPROPRIATE ONLY, COMPILED LOCATIONS OF ANY INTERFERING STRUCTURES, NOT NEARLY OBSERVED AND LOCATED, CAN VARY FROM THEIR ACTUAL LOCATIONS.
3. AN ADDITIONAL BUNDLED UTILITIES/STRUCTURES MAY BE ENCOUNTERED.
4. THE STATUS OF UTILITIES, WHETHER ACTIVE, ABANDONED, OR REMOVED, IS AN UNKNOWN CONDITION AS PER AS OUR CURRENT STATE OF THIS INFORMATION.
5. IT IS RECOMMENDED UPON INDIVIDUALS USING THIS INFORMATION TO UNDERSTAND THAT THE INFORMATION IS NOT GUARANTEED TO BE ACCURATE, COMPLETE, OR TO OTHER DEGREE, VARYING FROM INFORMATION RECEIVED AND ACTUAL LOCATIONS.
6. THE ACCURACY OF ACQUIRED UTILITY WENTERS AND PIPE SIZES IS SUBJECT TO FIELD CONDITIONS, THE ABILITY TO MAKE VISUAL OBSERVATIONS, DIRECT ACCESS TO THE UNKNOWN LOCATIONS, AND OTHER FACTORS.
7. THE PROPER UTILITY ENGINEERING/COMPANY SHOULD BE CONSULTED AND THE ACTUAL UTILITY INFORMATION SHOULD BE OBTAINED FROM THE UTILITY COMPANY.
8. AS OF THE DATE OF THIS PLAN RECORD INFORMATION HAS NOT BEEN RECEIVED BY NITISH PLANNING FUTURE CONSTRUCTION, CONTACT THE DO SAFE CALL CENTER AT 1-888-344-7233, SEVENTY-TWO HOURS PRIOR TO EXCAVATION, Blasting, GRADING, AND/OR PAVING.
9. THE INFORMATION FOR THE FOLLOWING UTILITIES, AIR, STEAM, HEATON, FIRE ALARM, AND CENTURY

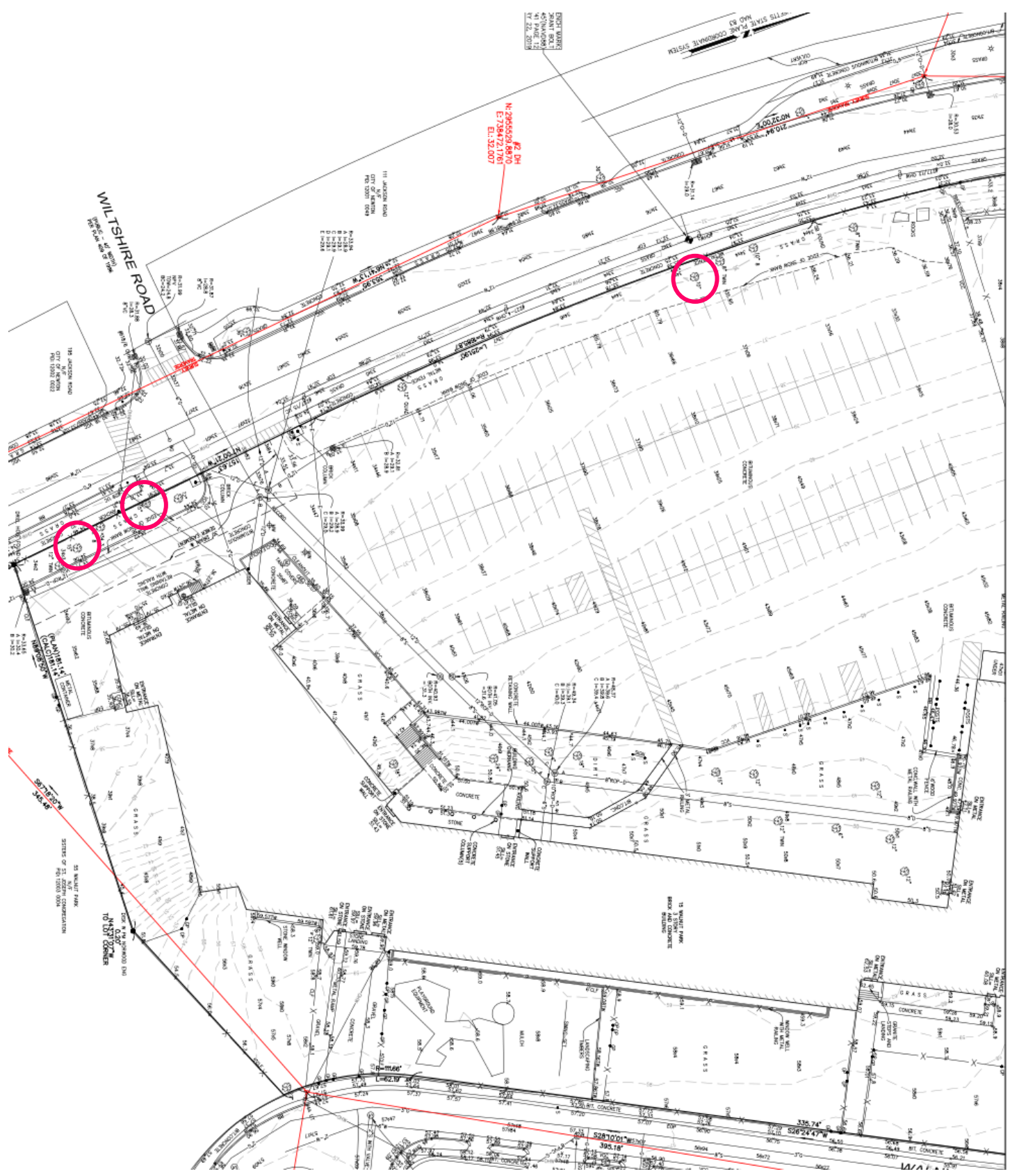
GRAPHIC SC

SCALE: 1"=20'



DENIS R. SEIGIN, PLS  
 MASSACHUSETTS REG. NO. 27705  
 REGISTERED PROFESSIONAL LAND

[illegible]



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WILTSHIRE ROAD  
111 JACKSON ROAD  
CITY OF KENTON  
REV 0207 0204

112 JACKSON ROAD  
CITY OF KENTON  
REV 0207 0202

22 WILSON PARK  
N.E.T.  
SITING OF 22 WILSON PARK  
TO 157' CORNER

15 WILSON PARK  
BRICK AND CONCRETE  
BUILDING