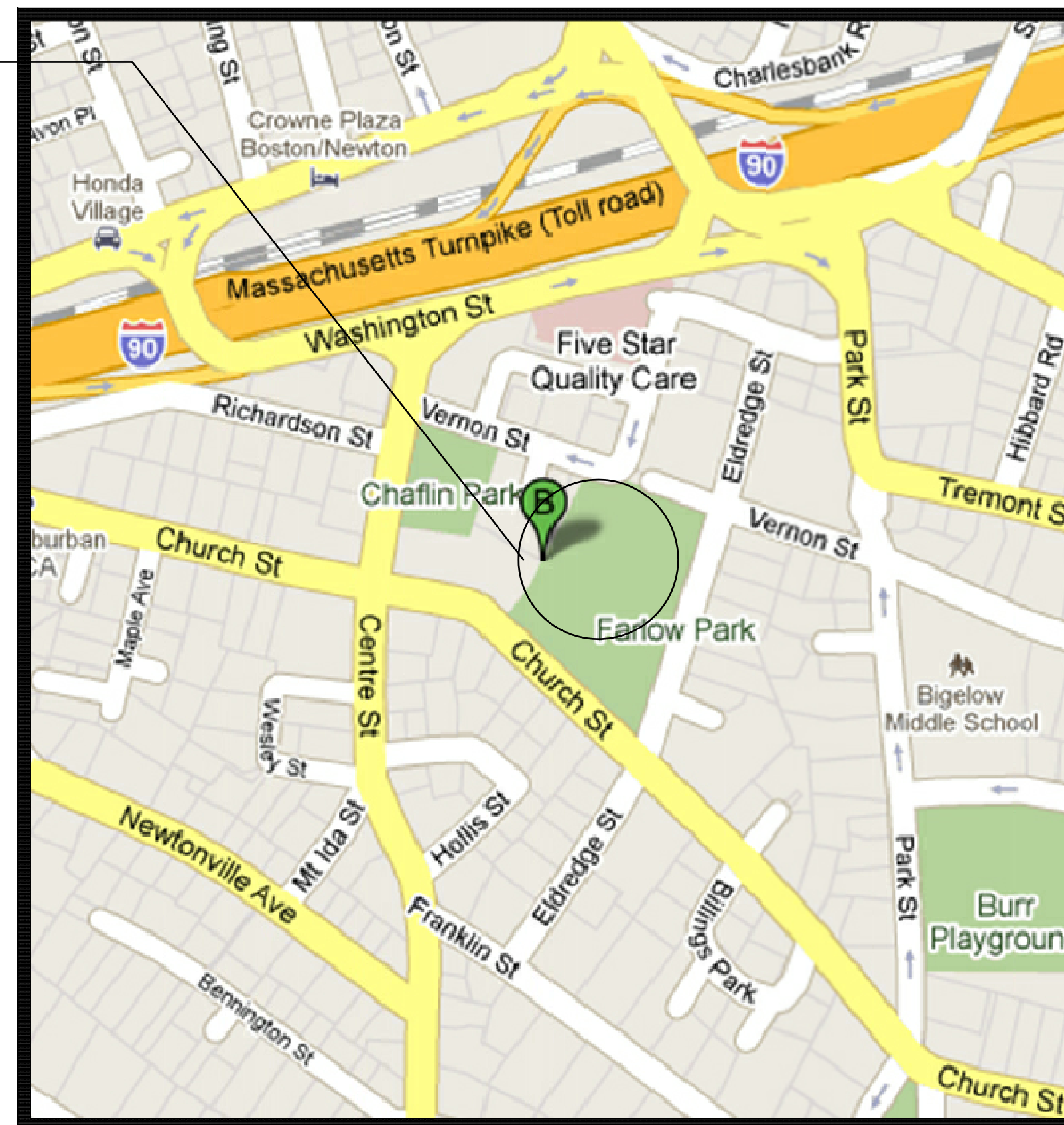


City of Newton Parks & Recreation Department

Bob DeRubeis, Commissioner

Plans for Restoration of Farlow Park Pond

PROJECT SITE



INDEX OF DRAWINGS:

- C-1 TITLE SHEET
- EX-1 EXISTING CONDITIONS PLAN
- SP-1 SITE PREPARATION AND DEMOLITION PLAN
- LM-1 LAYOUT AND MATERIALS PLAN
- DT-1 SITE DETAILS
- E-0 ELECTRICAL LEGEND & GENERAL NOTES
- E-1 ELECTRICAL SITE PLAN & DETAIL SHEET
- E-2 ELECTRICAL SPECIFICATIONS

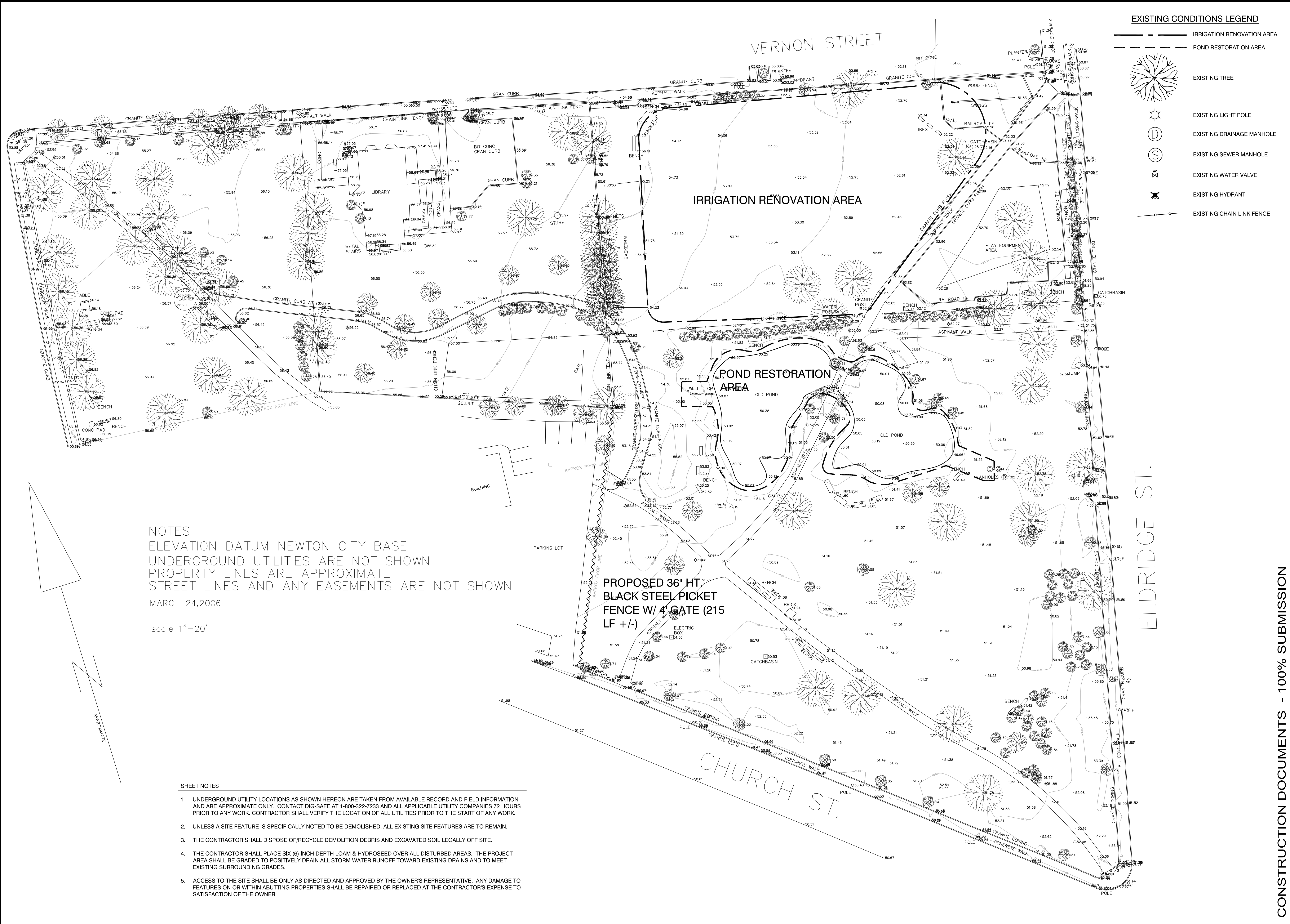
LOCATION PLAN

100% CONSTRUCTION DOCUMENT SUBMISSION

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Sheet:
C-1



EXISTING CONDITIONS LEGEND

- IRRIGATION RENOVATION AREA
- POND RESTORATION AREA
- EXISTING TREE
- EXISTING LIGHT POLE
- EXISTING DRAINAGE MANHOLE
- EXISTING SEWER MANHOLE
- EXISTING WATER VALVE
- EXISTING HYDRANT
- EXISTING CHAIN LINK FENCE

NOTES
 ELEVATION DATUM NEWTON CITY BASE
 UNDERGROUND UTILITIES ARE NOT SHOWN
 PROPERTY LINES ARE APPROXIMATE
 STREET LINES AND ANY EASEMENTS ARE NOT SHOWN
 MARCH 24, 2006

scale 1"=20'

SHEET NOTES

1. UNDERGROUND UTILITY LOCATIONS AS SHOWN HEREON ARE TAKEN FROM AVAILABLE RECORD AND FIELD INFORMATION AND ARE APPROXIMATE ONLY. CONTACT DIG-SAFE AT 1-800-322-7233 AND ALL APPLICABLE UTILITY COMPANIES 72 HOURS PRIOR TO ANY WORK. CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO THE START OF ANY WORK.
2. UNLESS A SITE FEATURE IS SPECIFICALLY NOTED TO BE DEMOLISHED, ALL EXISTING SITE FEATURES ARE TO REMAIN.
3. THE CONTRACTOR SHALL DISPOSE OF/RECYCLE DEMOLITION DEBRIS AND EXCAVATED SOIL LEGALLY OFF SITE.
4. THE CONTRACTOR SHALL PLACE SIX (6) INCH DEPTH LOAM & HYDROSEED OVER ALL DISTURBED AREAS. THE PROJECT AREA SHALL BE GRADED TO POSITIVELY DRAIN ALL STORM WATER RUNOFF TOWARD EXISTING DRAINS AND TO MEET EXISTING SURROUNDING GRADES.
5. ACCESS TO THE SITE SHALL BE ONLY AS DIRECTED AND APPROVED BY THE OWNER'S REPRESENTATIVE. ANY DAMAGE TO FEATURES ON OR WITHIN ADJUTING PROPERTIES SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE TO SATISFACTION OF THE OWNER.

CONSTRUCTION DOCUMENTS - 100% SUBMISSION

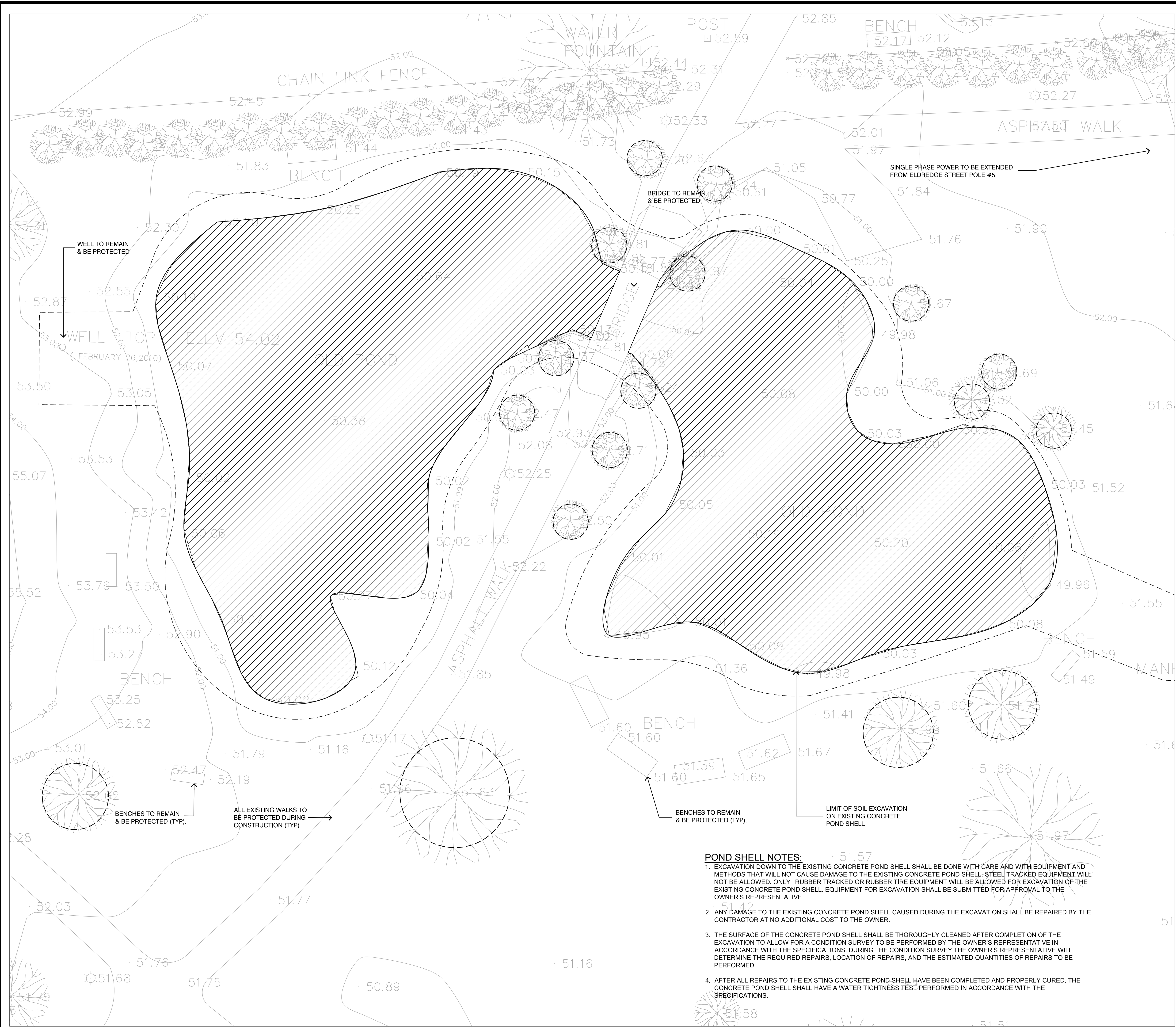
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		A	P	R	O
		V	E	D	
					DATE

REGISTERED PROFESSIONAL ENGINEER

CITY OF NEWTON PARK AND RECREATION DEPARTMENT
 70 CRESCENT STREET, NEWTON, MA 02468
RESTORATION OF FARLOW PARK POND
EXISTING CONDITIONS PLAN
 DATE: 20080407-LM SCALE: 1" = 30'
 JOB NO. 2100082 CONTRACT:
 DR. BY DSN. BY CHK. BY APP. BY
 SLO CFR CFR ERB

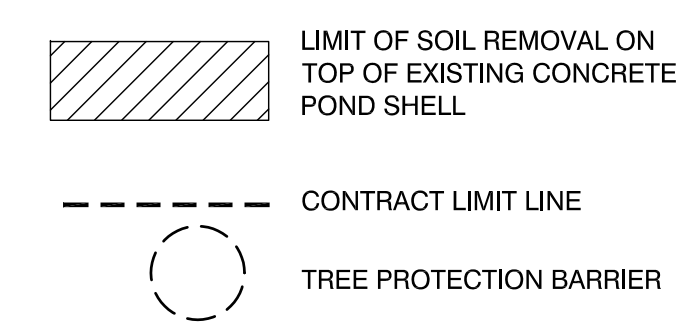
EX-1
 SHEET 2 OF 8



POND SHELL NOTES:

- EXCAVATION DOWN TO THE EXISTING CONCRETE POND SHELL SHALL BE DONE WITH CARE AND WITH EQUIPMENT AND METHODS THAT WILL NOT CAUSE DAMAGE TO THE EXISTING CONCRETE POND SHELL. STEEL TRACKED EQUIPMENT WILL NOT BE ALLOWED. ONLY RUBBER TRACKED OR RUBBER TIRE EQUIPMENT WILL BE ALLOWED FOR EXCAVATION OF THE EXISTING CONCRETE POND SHELL. EQUIPMENT FOR EXCAVATION SHALL BE SUBMITTED FOR APPROVAL TO THE OWNER'S REPRESENTATIVE.
- ANY DAMAGE TO THE EXISTING CONCRETE POND SHELL CAUSED DURING THE EXCAVATION SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- THE SURFACE OF THE CONCRETE POND SHELL SHALL BE THOROUGHLY CLEANED AFTER COMPLETION OF THE EXCAVATION TO ALLOW FOR A CONDITION SURVEY TO BE PERFORMED BY THE OWNER'S REPRESENTATIVE IN ACCORDANCE WITH THE SPECIFICATIONS. DURING THE CONDITION SURVEY THE OWNER'S REPRESENTATIVE WILL DETERMINE THE REQUIRED REPAIRS, LOCATION OF REPAIRS, AND THE ESTIMATED QUANTITIES OF REPAIRS TO BE PERFORMED.
- AFTER ALL REPAIRS TO THE EXISTING CONCRETE POND SHELL HAVE BEEN COMPLETED AND PROPERLY CURED, THE CONCRETE POND SHELL SHALL HAVE A WATER TIGHTNESS TEST PERFORMED IN ACCORDANCE WITH THE SPECIFICATIONS.

SITE PREPARATION & DEMOLITION LEGEND



SITE PREPARATION & DEMOLITION ABBREVIATIONS

EXIST.	EXISTING
SPECS.	SPECIFICATIONS
TYP.	TYPICAL

SITE PREPARATION & DEMOLITION NOTES

- IN ACCORDANCE WITH MGL CHAPTER 82, SECTION 40, INCLUDING ALL AMENDMENTS, ALL CONTRACTORS SHALL NOTIFY IN WRITING ALL UTILITY COMPANIES AND GOVERNMENT AGENCIES PRIOR TO EXCAVATION WORK AND TO CALL DIGSAFE (1-800-322-4844) TO OBTAIN A PERMIT 48 HOURS PRIOR TO INITIATING WORK; FURNISH PERMIT NUMBER TO OWNER.
- UNLESS SPECIFICALLY NOTED TO BE SAVED, REUSED, OR OTHERWISE, ALL SITE FEATURES CALLED FOR REMOVAL SHALL BE REMOVED TO FULL DEPTH INCLUDING FOOTINGS, FOUNDATIONS AND OTHER APPURTENANCES. SUCH REMOVED ITEMS SHALL BE TRANSPORTED FROM THE SITE AND DISPOSED OF IN A LAWFUL MANNER AT AN ACCEPTABLE SITE. MATERIALS SHALL BE REMOVED ON A DAILY BASIS UNLESS OTHERWISE DIRECTED OR APPROVED BY THE OWNER'S REPRESENTATIVE.
- ALL EXISTING SITE FEATURES TO REMAIN SHALL BE PROTECTED THROUGHOUT THE CONSTRUCTION PERIOD. ANY FEATURES THAT ARE DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE AT NO ADDITIONAL COST.
- LOCKED, SECURE 5'-0" HEIGHT CONSTRUCTION FENCE AT CONTRACT LIMIT LINE IS MANDATORY.
- THE CONTRACTOR SHALL PROTECT EXISTING TREES TO REMAIN. CONTRACTOR SHALL INSTALL TREE PROTECTION FENCE TO DRIP LINE OR AS INDICATED ON PLANS AFTER CLEARING UNDERBRUSH, TAKING DUE CARE TO PREVENT INJURY TO TREES DURING CLEARING OPERATIONS. PROTECTIVE FENCE SHALL BE MAINTAINED IN PLACE TO THE SATISFACTION OF THE OWNER OR OWNER'S REPRESENTATIVE. SEE SPECIFICATION REGARDING EXCAVATING AROUND EXISTING TREES.
- THE CONTRACTOR SHALL SAWCUT ALL EXISTING PAVEMENTS PRIOR TO REMOVAL AND DISPOSAL OF ADJACENT PAVEMENTS MARKED AND APPROVED FOR REMOVAL.
- THE STORAGE OF CONSTRUCTION MATERIALS AND EQUIPMENT MAY BE PERMITTED BY THE CITY WITHIN THE CONFINES OF CITY OF NEWTON PROPERTY AT LOCATIONS DESIGNATED BY THE OWNER'S REPRESENTATIVE. PROSPECTIVE BIDDERS ARE ADVISED THAT POTENTIAL STORAGE AREAS ARE LIMITED AND THE PROTECTION OF MATERIALS AND/OR EQUIPMENT STORED ON SITE CANNOT BE GUARANTEED AND SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- CLEAR AND GRUB VEGETATION TO THE EXTENT REQUIRED TO IMPLEMENT ALL IMPROVEMENTS. CLEAR AND GRUB VEGETATION INDICATED ON PLAN SHALL INCLUDE REMOVAL OF SHRUBS AND UNDERBRUSH, REMOVAL OF ROOTS, ROUGH GRADING, INSTALLATION OF LOAM, FINE GRADING, SEEDING AND TURF ESTABLISHMENT BY THE CONTRACTOR.
- THE CONTRACTOR IS RESPONSIBLE TO REVIEW ALL SITE GRADING, LAYOUT AND IMPROVEMENT DRAWINGS PRIOR TO DEMOLISHING THE ITEMS SHOWN. THE CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION AND SITE PREPARATION AS NECESSARY FOR THE SITE IMPROVEMENTS SHOWN HEREIN. SEE GENERAL NOTES ON SHEET EX-1.
- REFER TO THE RESPECTIVE UTILITY DRAWINGS FOR THE REMOVALS/DEMOLITION ETC. OF THE DRAINAGE, WATER SUPPLY AND ELECTRICAL.
- PRIOR TO COMMENCING WORK THE CONTRACTOR SHALL ENSURE PROPER PROVISIONS ARE IN PLACE FOR CONTROLLING DUST DURING CONSTRUCTION ACTIVITIES. THIS INCLUDES PROVISIONS FOR ON SITE WATER, WATER TRUCKS, AND ANY OTHER ITEM TO PREVENT DUST MIGRATION AS APPROVED BY THE OWNER'S REPRESENTATIVE. NO CALCIUM CHLORIDE SHALL BE PERMITTED.
- ALL WORK SHALL CONFORM TO THE LATEST VERSION OF THE MASSACHUSETTS DEP GUIDELINES FOR HERBICIDAL TREATMENTS, EROSION AND SEDIMENTATION CONTROL. EROSION CONTROL BARRIERS TO BE INSTALLED AT ALL CATCH BASINS TO REMAIN. SEE GRADING & DRAINAGE NOTES, DETAILS AND SPECIFICATIONS.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT HIS EMPLOYEES, AS WELL AS PUBLIC USERS FROM INJURY DURING THE ENTIRE CONSTRUCTION PERIOD USING ALL NECESSARY SAFEGUARDS, INCLUDING TEMPORARY CONSTRUCTION FENCE.

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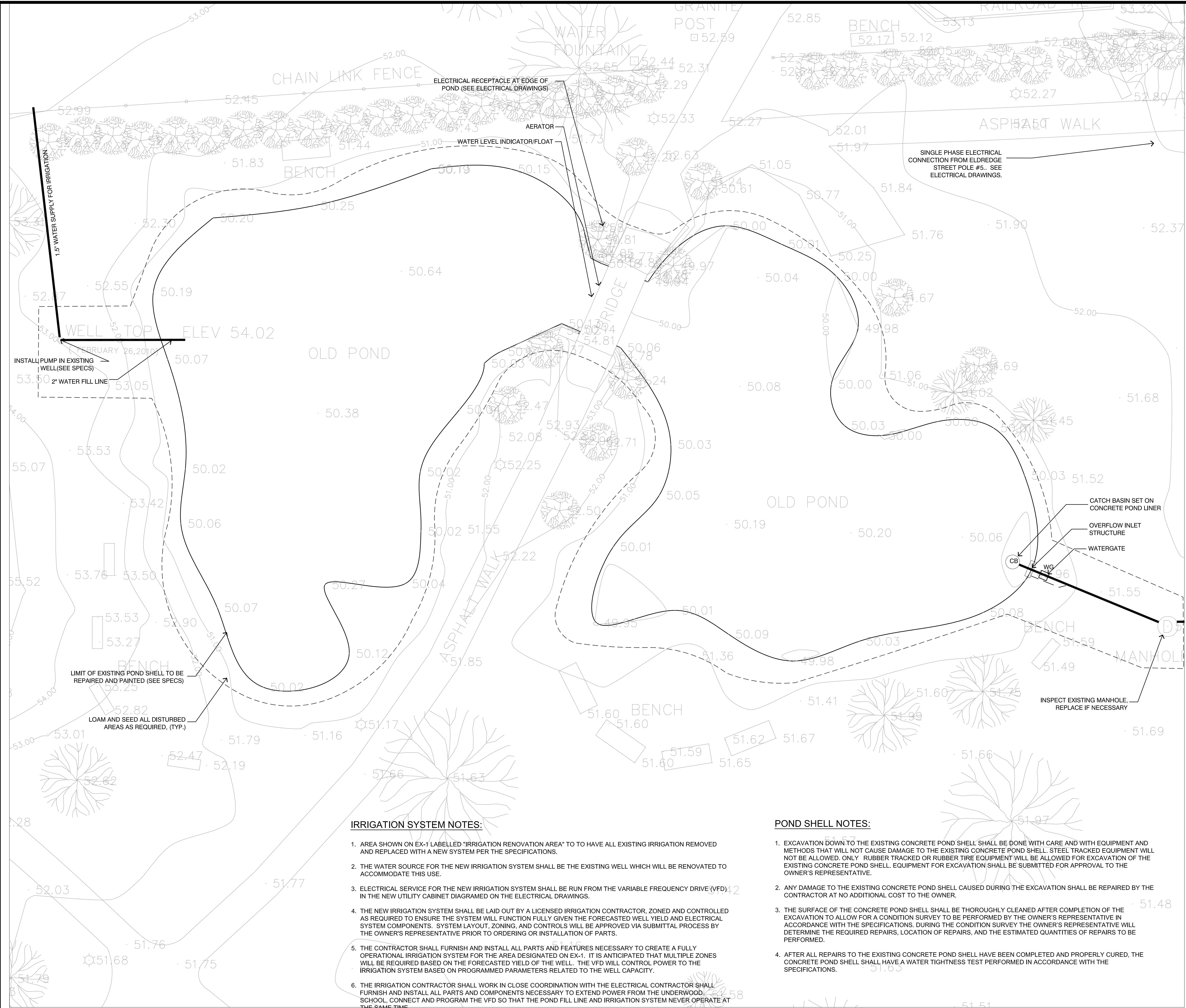
REGISTERED PROFESSIONAL ENGINEER
 DATE

CITY OF NEWTON PARK AND RECREATION DEPARTMENT
 70 CRESCENT STREET, NEWTON, MA 02466

RESTORATION OF FARLOW PARK POND
SITE PREPARATION AND DEMOLITION PLAN

DATE: 10/04/2011
 SCALE: 1" = 10'
 JOB NO: 2100082
 CONTRACT:

FILE NO: **SP-1**
 SHEET 3 OF 8



LAYOUT AND MATERIALS LEGEND

- LIMITS OF POTENTIAL CONCRETE POND LINER REPAIR
- LIMIT OF WORK LINE

LAYOUT AND MATERIALS NOTES

1. COORDINATE ALL LAYOUT ACTIVITIES WITH THE SCOPE OF WORK CALLED FOR BY DEMOLITION, GRADING AND UTILITIES OPERATIONS ENCOMPASSED BY THIS CONTRACT. SET, PROTECT AND REPLACE REFERENCE STAKES AS NECESSARY, OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
2. ALL LAYOUT LINES, OFFSETS, OR REFERENCES TO LOCATING OBJECTS ARE EITHER PARALLEL OR PERPENDICULAR UNLESS OTHERWISE DESIGNATED WITH ANGLE OFFSETS NOTED.
3. LAYOUT OF ALL PROPOSED SITE FEATURES SHALL BE STAKED BY A PROFESSIONAL LAND SURVEYOR FOR REVIEW AND APPROVAL BY THE OWNER'S REPRESENTATIVE PRIOR TO COMMENCEMENT OF INSTALLATION. ANY REQUIRED ADJUSTMENTS TO THE LAYOUT SHALL BE UNDERTAKEN AS DIRECTED, AT NO ADDITIONAL COST TO THE OWNER.
4. ALL PROPOSED PAVEMENTS SHALL MEET THE LINE AND GRADE OF EXISTING ADJACENT PAVEMENT SURFACES.
5. THE LAYOUT AND LOCATION OF ALL UTILITY CABINETS MUST BE APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.

IRRIGATION SYSTEM NOTES:

1. AREA SHOWN ON EX-1 LABELLED "IRRIGATION RENOVATION AREA" TO HAVE ALL EXISTING IRRIGATION REMOVED AND REPLACED WITH A NEW SYSTEM PER THE SPECIFICATIONS.
2. THE WATER SOURCE FOR THE NEW IRRIGATION SYSTEM SHALL BE THE EXISTING WELL WHICH WILL BE RENOVATED TO ACCOMMODATE THIS USE.
3. ELECTRICAL SERVICE FOR THE NEW IRRIGATION SYSTEM SHALL BE RUN FROM THE VARIABLE FREQUENCY DRIVE (VFD) IN THE NEW UTILITY CABINET DIAGRAMED ON THE ELECTRICAL DRAWINGS.
4. THE NEW IRRIGATION SYSTEM SHALL BE LAID OUT BY A LICENSED IRRIGATION CONTRACTOR, ZONED AND CONTROLLED AS REQUIRED TO ENSURE THE SYSTEM WILL FUNCTION FULLY GIVEN THE FORECASTED WELL YIELD AND ELECTRICAL SYSTEM COMPONENTS. SYSTEM LAYOUT, ZONING, AND CONTROLS WILL BE APPROVED VIA SUBMITTAL PROCESS BY THE OWNER'S REPRESENTATIVE PRIOR TO ORDERING OR INSTALLATION OF PARTS.
5. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL PARTS AND FEATURES NECESSARY TO CREATE A FULLY OPERATIONAL IRRIGATION SYSTEM FOR THE AREA DESIGNATED ON EX-1. IT IS ANTICIPATED THAT MULTIPLE ZONES WILL BE REQUIRED BASED ON THE FORECASTED YIELD OF THE WELL. THE VFD WILL CONTROL POWER TO THE IRRIGATION SYSTEM BASED ON PROGRAMMED PARAMETERS RELATED TO THE WELL CAPACITY.
6. THE IRRIGATION CONTRACTOR SHALL WORK IN CLOSE COORDINATION WITH THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL PARTS AND COMPONENTS NECESSARY TO EXTEND POWER FROM THE UNDERWOOD SCHOOL. CONNECT AND PROGRAM THE VFD SO THAT THE POND FILL LINE AND IRRIGATION SYSTEM NEVER OPERATE AT THE SAME TIME.

POND SHELL NOTES:

1. EXCAVATION DOWN TO THE EXISTING CONCRETE POND SHELL SHALL BE DONE WITH CARE AND WITH EQUIPMENT AND METHODS THAT WILL NOT CAUSE DAMAGE TO THE EXISTING CONCRETE POND SHELL. STEEL TRACKED EQUIPMENT WILL NOT BE ALLOWED. ONLY RUBBER TRACKED OR RUBBER TIRE EQUIPMENT WILL BE ALLOWED FOR EXCAVATION OF THE EXISTING CONCRETE POND SHELL. EQUIPMENT FOR EXCAVATION SHALL BE SUBMITTED FOR APPROVAL TO THE OWNER'S REPRESENTATIVE.
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REGISTERED PROFESSIONAL ENGINEER
 DATE

FILE NO. 2080407-LM
 SCALE: 1" = 10'
 CONTRACT: 2100082
 JOB NO. 2100082
 DR. BY: SLO
 CHK. BY: CFR
 APP. BY: ERB

CITY OF NEWTON PARK AND RECREATION DEPARTMENT
 70 CRESCENT STREET, NEWTON, MA 02466
RESTORATION OF FARLOW PARK POND
LAYOUT AND MATERIALS PLAN

LM-1
 SHEET 4 OF 8

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