THE CITY OF WALTHAM MASSACHUSETTS

PURCHASING DEPARTMENT

Cornelia Warren Park Improvements, 2019

ADDENDUM NO.4

May 29th, 2019

CHANGES, CORRECTIONS AND CLARIFICATIONS

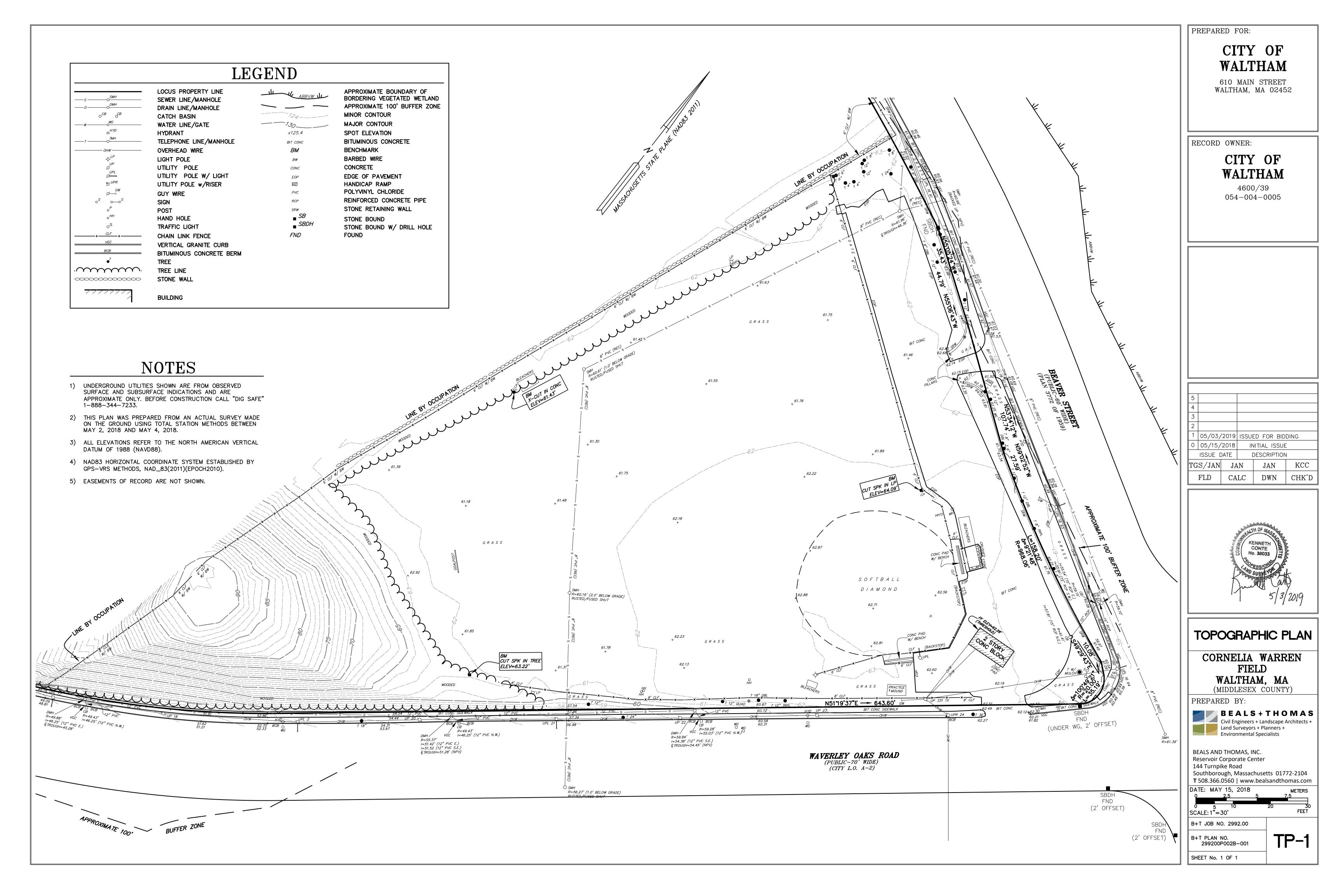
The attention of bidders submitting proposals for the above subject project is called to the following addendum to the specifications. The items set forth herein, whether of omission, addition, substitution or clarification are all to be included in and form a part of the proposal submitted.

THE NUMBER OF THIS ADDENDUM (NO 4) MUST BE ACKNOWLEDGED ON YOUR FORM FOR GENERAL BID PAGE.

ITEM 1: ANSWERS TO POSED QUESTIONS

- **Q16.** There is no way to do a proper earthwork model since there is no elevations on the contour lines for us to create an existing conditions model. Can this be provided.
- **A16.** See attached topo plan with contour labels.

End of Addendum 4



CORNELIA WARREN PARK

WALTHAM, MASSACHUSETTS

(Middlesex County)

OWNER

City of Waltham
610 Main Street
Waltham, Massachusetts 02452

CIVIL ENGINEER/SURVEYOR AND LANDSCAPE ARCHITECT

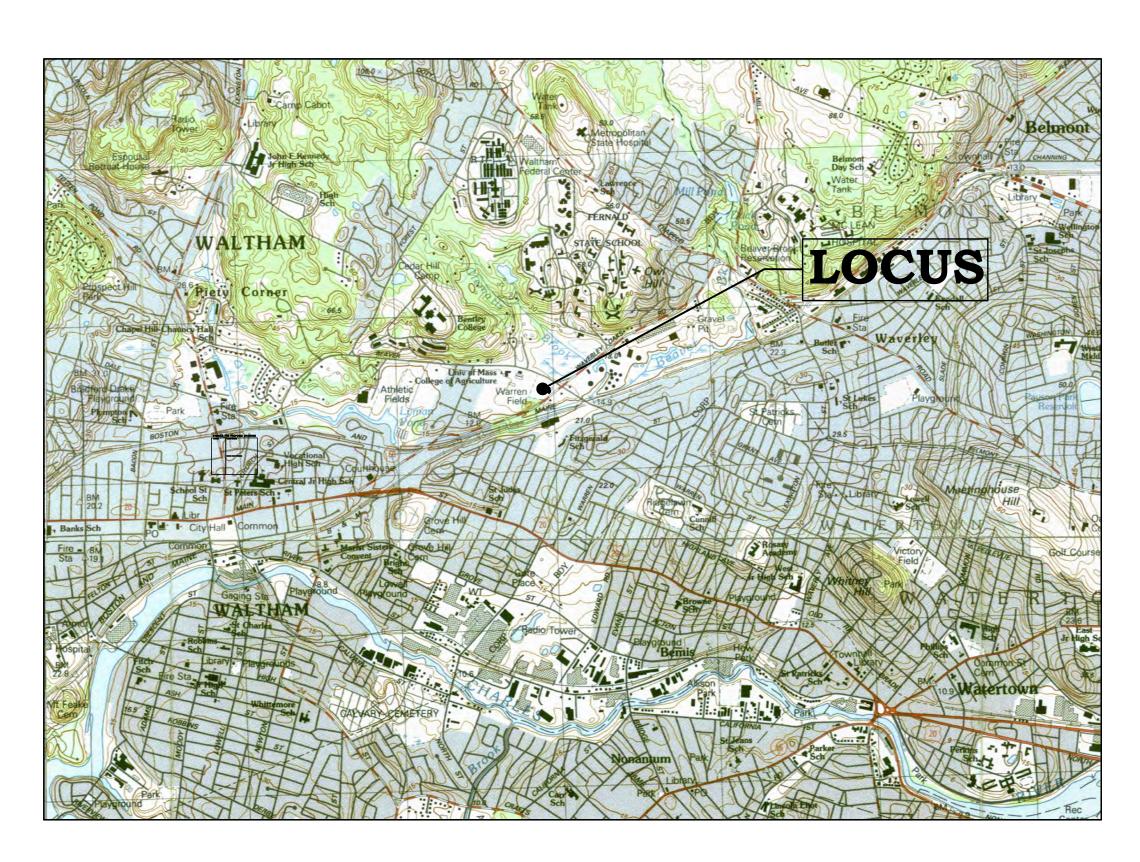
Beals and Thomas, Inc.
Reservoir Corporate Center
144 Turnpike Road
Southborough, Massachusetts 01772

ELECTRICAL ENGINEER

American Electrical Testing Co., LLC 25 Forbes Boulevard, Suite #1 Foxboro, Massachusetts 02035

IRRIGATION CONSULTANT

Aqueous Consultants, LLC
2 Dundee Park Drive Suite 301B
Andover, Massachusetts 01810



Locus Map Scale: 1" = 2000'



Issued for Bidding - May 3, 2019 Addendum 2 - May 24, 2019 Addendum 3 - May 28, 2019

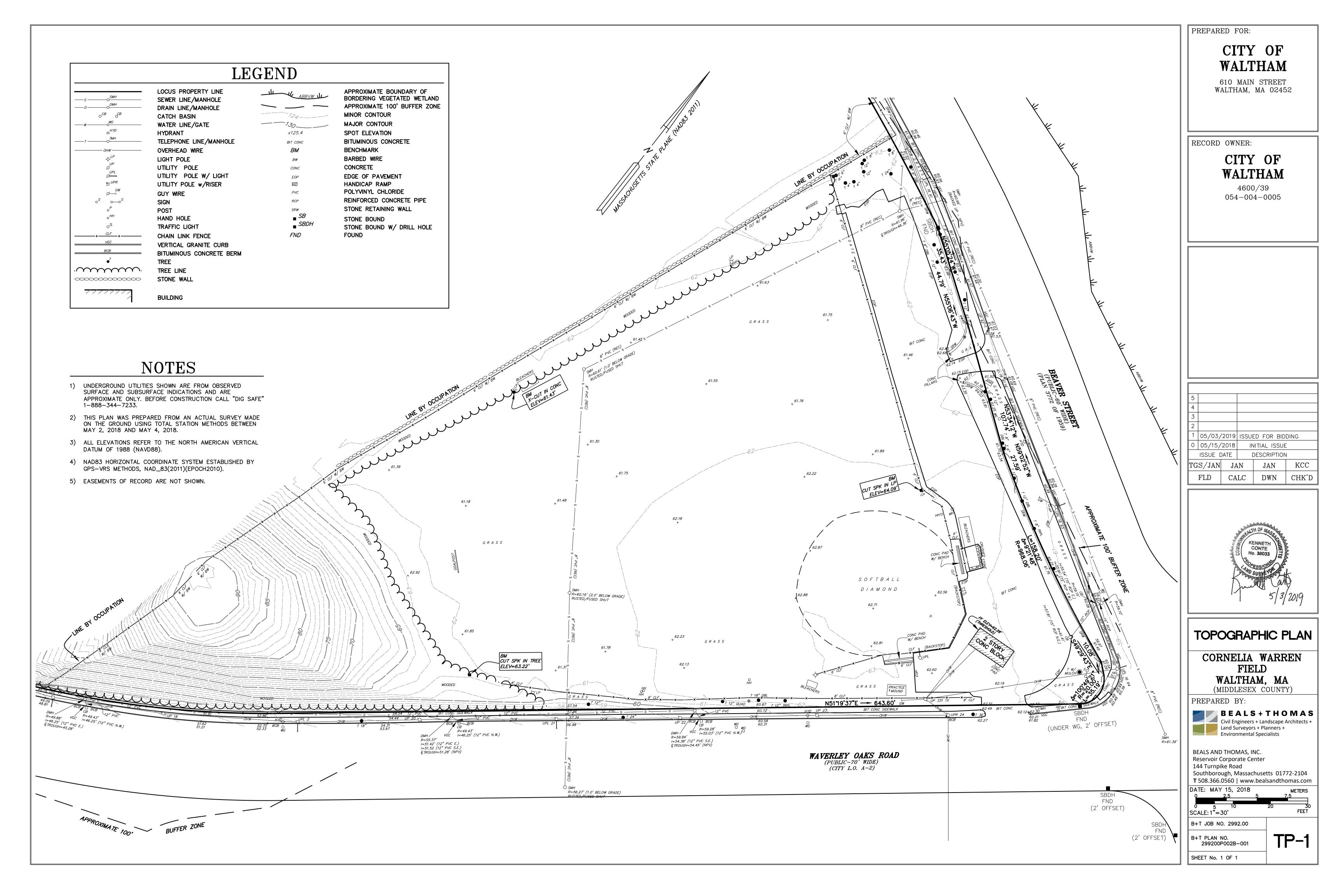
SHEET INDEX

	Cover Sheet
TP-1	Topographic Plan
C1.1	Notes, References and Legend Sheet
C2.1	Site Preparation Plan
C3.1	Layout and Materials Plan
C3.2	Layout and Materials Enlargement Plan
C3.3	Playground and Fitness Detail Plan
C4.1	Grading, Drainage and Utilities Plan
C5.1	Site Details #1
C5.2	Site Details #2
C5.3	Site Details #3
C5.4	Site Details #4
E-1	Electrical Layout
E-2	One-Line and Schedules
E-3	Electrical Details
R-1.0	Irrigation Layout Plan
R-2.0	Irrigation Details
R-3.0	Irrigation Water Supply

Job No.: 2992.00

Plan No.: 299200P010C-001

Sheet 1 of 18



GENERAL NOTES

THE CONTRACTOR SHALL MAKE ALL NECESSARY CONSTRUCTION NOTIFICATIONS AND APPLY FOR AND OBTAIN ALL NECESSARY CONSTRUCTION PERMITS. THE CONTRACTOR SHALL ALSO PAY ALL FEES AND POST ALL BONDS ASSOCIATED WITH THE SAME, AND COORDINATE WITH THE ENGINEER AND ARCHITECT AS REQUIRED.

LIMIT OF WORK SHALL BE EROSION CONTROL BARRIERS, LIMIT OF GRADING AND SITE PROPERTY

CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY AND ALL CONSTRUCTION MEANS AND METHODS.

LINES AND/OR AS INDICATED ON DRAWINGS. PORTIONS OF THE ROADWAY SIDEWALK AND ROADSIDE AREA DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED TO THEIR CONDITIONS PRIOR TO

CONTRACTOR TO VERIFY UTILITY STUB LOCATIONS AND ELEVATIONS IN THE FIELD PRIOR TO COMMENCING WORK

ANY ALTERATION TO THESE DRAWINGS MADE IN THE FIELD DURING CONSTRUCTION SHALL BE RECORDED BY THE CONTRACTOR ON RECORD DOCUMENTS. ANY AREA OUTSIDE THE LIMIT OF WORK THAT IS DISTURBED SHALL BE RESTORED TO ITS

EXISTING TREES AND SHRUBS OUTSIDE THE LIMITS OF GRADING SHALL BE REMOVED ONLY UPON

FOR DRAWING LEGIBILITY, ALL EXISTING TOPOGRAPHIC FEATURES, EXISTING UTILITIES, PROPERTY BOUNDARIES, EASEMENTS, ETC. MAY NOT BE SHOWN ON ALL DRAWINGS, REFER TO ALL REFERENCED DRAWINGS AND OTHER DRAWINGS IN THIS SET FOR ADDITIONAL INFORMATION. NEW EXCAVATION AND TRENCH SAFETY REGULATIONS ARE IN EFFECT AS OF MARCH 1, 2015.

(REFER TO 520 CMR 14.00) ALL EXCAVATORS OR CONTRACTORS MUST OBTAIN A TRENCH

PERMIT PRIOR TO ANY CONSTRUCTION RELATED TRENCHES ON SITE. SITE ELEMENTS TO REMAIN MUST BE PROTECTED FOR DURATION OF PROJECT.

EROSION CONTROL AND SEDIMENTATION NOTES

ORIGINAL CONDITION AT NO COST TO OWNER.

AN EROSION CONTROL BARRIER SHALL BE INSTALLED ALONG THE EDGE OF PROPOSED DEVELOPMENT AS INDICATED IN THE PLAN PRIOR TO THE COMMENCEMENT OF DEMOLITION OR CONSTRUCTION OPERATIONS.

CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES DURING ENTIRE CONSTRUCTION PERIOD.

ANY SEDIMENT TRACKED ONTO PUBLIC RIGHT-OF-WAYS SHALL BE SWEPT AT THE END OF ALL STOCKPILE AREAS SHALL BE LOCATED WITHIN LIMIT OF WORK LINE AND STABILIZED TO

ALL DEBRIS GENERATED DURING SITE PREPARATION ACTIVITIES SHALL BE LEGALLY DISPOSED

PROVIDE CRIBBING AS NECESSARY TO PROTECT EXISTING UTILITY LINES DURING

. TOPSOIL ENCOUNTERED WITHIN WORK AREA SHALL BE STRIPPED TO ITS FULL DEPTH AND STOCKPILED FOR REUSE. EXCESS TOPSOIL SHALL BE DISPOSED OF ON SITE AS DIRECTED BY OWNER. TOPSOIL PILES SHALL REMAIN SEGREGATED FROM EXCAVATED SUBSURFACE SOIL

ADDITIONAL EROSION CONTROL MEASURES SHALL BE IMPLEMENTED AS CONDITIONS WARRANT OR AS DIRECTED BY THE OWNER OR OWNER'S REPRESENTATIVE. ALL POINTS OF CONSTRUCTION EGRESS OR INGRESS SHALL BE MAINTAINED TO PREVENT

TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC ROADS.

SOIL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSPECTED AND MAINTAINED ON A DAILY BASIS DURING CONSTRUCTION TO INSURE THAT CHANNELS, DITCHES AND PIPES ARE CLEAR OF DEBRIS AND THAT THE EROSION CONTROL BARRIERS ARE INTACT. CONTRACTOR SHALL PROVIDE DUST CONTROL FOR CONSTRUCTION OPERATIONS AS APPROVED

DUST SHALL BE CONTROLLED BY SPRINKLING OR OTHER APPROVED METHODS AS NECESSARY, OR AS DIRECTED BY THE OWNER OR HIS REPRESENTATIVE. STRAW BALE CHECK DAMS SHALL BE PROVIDED AROUND ALL EXISTING DRAIN INLETS PRIOR

PERMANENT PAVEMENT TO CONTROL SILTATION. CLEAN AND MAINTAIN EROSION CONTROL BARRIER AS REQUIRED DURING CONSTRUCTION OPERATIONS TO ENSURE ITS CONTINUED FUNCTIONALITY.

TO CONSTRUCTION ACTIVITIES AND AROUND ALL PROPOSED DRAIN INLETS PRIOR TO

LAYOUT AND MATERIALS NOTES

ALL LINES AND DIMENSIONS ARE PARALLEL OR PERPENDICULAR TO THE LINES FROM WHICH THEY ARE MEASURED UNLESS OTHERWISE INDICATED.

COORDINATE THE LOCATION OF ALL SITE LIGHT STANDARDS WITH IMPROVEMENTS SHOWN ON CONTRACTOR SHALL REPORT SIGNIFICANT CONFLICTS TO THE OWNER AND THE ENGINEER FOR

RESOLUTION. DIMENSIONS OF PARKING SPACES AND DRIVEWAYS ARE FROM FACE OF CURB TO FACE OF

DIMENSIONS FROM BUILDING ARE FROM FACE OF BUILDING TO FACE OF CURB. CONTRACTOR

SHALL VERIFY ALL CONDITIONS IN THE FIELD AND REPORT ANY DISCREPANCIES TO THE ENGINEER. THE CONTRACTOR SHALL STAKE OUT BUILDING FROM THE LATEST ARCHITECTURAL

THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES BETWEEN SITE PLAN DIMENSIONS AND BUILDING PLANS BEFORE PROCEEDING WITH ANY PORTION OF SITE WORK WHICH MAY BE AFFECTED SO THAT PROPER ADJUSTMENTS TO THE SITE LAYOUT CAN BE MADE

ACCESSIBLE RAMPS SHALL BE PER MASSACHUSETTS STATE CODE AND THE AMERICANS WITH DISABILITIES ACT (ADA) ACCESSIBILITY GUIDELINES (WHICHEVER IS MORE STRINGENT). EACH HANDICAP PARKING SPACE SHALL BE IDENTIFIED BY A SIGN SIX (6) FEET IN HEIGHT LOCATED AT THE FACE OF THE CURBLINE. THE SIGN SHALL CONTAIN THE INTERNATIONAL SYMBOL OF ACCESSIBILITY AS DESCRIBED IN THE AMERICANS WITH DISABILITIES ACT, PUBLIC

PROTECT EXISTING PROPERTY MONUMENTS AND ABUTTING PROPERTIES DURING CONSTRUCTION

GRADING, DRAINAGE AND UTILITY NOTES

LAW 101-336, (SEE DETAIL).

UNDERGROUND UTILITIES WERE COMPILED FROM AVAILABLE RECORD PLANS OF UTILITY COMPANIES AND PUBLIC AGENCIES, ARE APPROXIMATE AND ASSUMED. BEFORE COMMENCING SITE WORK IN ANY AREA, CONTACT "DIG SAFE" AT 1-888-344-7233 TO ACCURATELY LOCATE UNDERGROUND UTILITIES. ANY DAMAGE TO EXISTING UTILITIES OR STRUCTURES SHALL BE THE CONTRACTOR'S RESPONSIBILITY. NO EXCAVATION SHALL BE DONE UNTIL UTILITY COMPANIES ARE PROPERLY NOTIFIED IN ADVANCE.

ALL SITE WORK SHALL MEET OR EXCEED THE SITE WORK SPECIFICATIONS DATED 05/01/2019 PREPARED FOR THIS PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS DO NOT CONFLICT WITH ANY KNOWN EXISTING OR OTHER PROPOSED IMPROVEMENTS. IF ANY CONFLICTS ARE DISCOVERED CONTRACTOR SHALL NOTIFY THE OWNER AND THE ENGINEER PRIOR TO INSTALLATION OF ANY PORTION OF THE SITE WORK WHICH WOULD BE AFFECTED.

ALL WORK PERFORMED AND ALL MATERIALS FURNISHED SHALL CONFORM WITH THE LINES. GRADES AND OTHER SPECIFIC REQUIREMENTS OR SPECIFICATIONS OF THE CITY OF WALTHAM

AT ALL LOCATIONS WHERE EXISTING CURBING OR PAVEMENT ABUTS NEW CONSTRUCTION. THE EDGE OF THE EXISTING CURB OR PAVEMENT SHALL BE SAW CUT TO A CLEAN, SMOOTH EDGE. BLEND NEW PAVEMENT, CURBS AND EARTHWORK SMOOTHLY INTO EXISTING BY MATCHING LINES, GRADES AND JOINTS. PITCH EVENLY BETWEEN SPOT GRADES. GRADE ALL AREAS TO DRAIN. THE CONTRACTOR SHALL VERIFY EXISTING GRADES IN THE FIELD AND REPORT ANY DISCREPANCIES IMMEDIATELY TO THE ENGINEER. THE CONTRACTOR SHALL MAKE ALL ARRANGEMENTS FOR THE ALTERATION AND ADJUSTMENT OF GAS, ELECTRIC, TELEPHONE AND ANY OTHER PRIVATE UTILITIES BY THE UTILITY COMPANIES, AS REQUIRED. WHERE AN EXISTING JTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, THE LOCATION, ELEVATION AND

ALL UTILITY COVERS, GRATES, ETC. SHALL BE ADJUSTED TO BE FLUSH WITH THE PAVEMENT FINISH GRADE UNLESS OTHERWISE NOTED. RIM ELEVATIONS OF DRAINAGE STRUCTURES AND SANITARY SEWER MANHOLES ARE APPROXIMATE.

INSTALL ALL UTILITIES (INCLUDING CONCRETE PADS) PER UTILITY COMPANY AND DPW STANDARDS.

SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR, AND THE INFORMATION FURNISHED TO THE OWNER AND ENGINEER FOR

AN EROSION CONTROL BARRIER SHALL BE INSTALLED ALONG THE EDGE OF PROPOSED DEVELOPMENT AS SHOWN ON THE PLAN PRIOR TO THE COMMENCEMENT OF CONSTRUCTION

CONTRACTOR SHALL PROTECT ALL UNDERGROUND DRAINAGE, SEWER AND UTILITY FACILITIES FROM EXCESSIVE VEHICULAR LOADS DURING CONSTRUCTION. ANY DAMAGE TO THESE FACILITIES RESULTING FROM CONSTRUCTION LOADS WILL BE RESTORED TO ORIGINAL CONDITION.

GRADING, DRAINAGE AND UTILITY NOTES (CONTINUED)

ALL WATER WORKS SHALL CONFORM TO WALTHAM DPW, WATER DIVISION SPECIFICATIONS. DETAILS, RULES AND REGULATIONS AND HAVE FIVE (5) FEET OF MINIMUM COVER. GAS, ELECTRIC, TELEPHONE AND FIRE ALARM CONNECTION LOCATIONS AND ROUTING ARE SUBJECT O REVIEW AND APPROVAL BY APPROPRIATE UTILITY COMPANIES AND FIRE DEPARTMENT. ABANDON EXISTING UTILITY SERVICES ON SITE ACCORDING TO UTILITY COMPANY AND CITY OF WALTHAM REQUIREMENTS.

ALL WATER UTILITY IMPROVEMENTS SHALL COMPLY WITH THE AMERICAN WATERWORKS

ASSOCIATION STANDARDS AND THE CITY OF WALTHAM WATER DEPARTMENT SPECIFICATIONS. EXCAVATION REQUIRED WITHIN THE PROXIMITY OF EXISTING UTILITY LINES SHALL BE DONE BY HAND. CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING UTILITY LINES OR STRUCTURES INCURRED DURING CONSTRUCTION OPERATIONS AT NO COST TO THE OWNER. STOCKPILED TOPSOIL SHALL BE PLACED NEATLY IN AN AREA INDICATED BY THE OWNER. PITCH EVENLY BETWEEN SPOT GRADES. ALL PAVED AREAS MUST PITCH TO DRAIN AT A MINIMUM OF 1/8" PER FOOT UNLESS SPECIFIED. ANY DISCREPANCIES NOT ALLOWING THIS MINIMUM PITCH SHALL BE REPORTED TO THE ENGINEER PRIOR TO CONTINUING WORK. THE CONTRACTOR SHALL SCHEDULE HIS WORK TO ALLOW THE FINISHED SUBGRADE ELEVATIONS TO DRAIN PROPERLY WITHOUT PUDDLING. SPECIFICALLY, ALLOW WATER TO ESCAPE WHERE PROPOSED CURB MAY RETAIN RUNOFF PRIOR TO APPLICATION OF THE FINISH SUBGRADE AND/OR SURFACE PAVING. PROVIDE TEMPORARY POSITIVE DRAINAGE AS REQUIRED.

UNLESS OTHERWISE INDICATED, ABANDONED EXISTING UTILITY LINES SHALL BE CAPPED AND ABANDONED IN PLACE UNLESS THEY CONFLICT WITH PROPOSED IMPROVEMENTS. CAP REMAINING PORTIONS WHERE PARTIALLY REMOVED.

LANDSCAPE ASSOCIATION.

ALL PLANT MATERIAL SHALL CONFORM TO THE MINIMUM GUIDELINES ESTABLISHED BY THE AMERICAN STANDARD FOR NURSERY STOCK PUBLISHED BY THE AMERICAN NURSERY AND

ANY PROPOSED SUBSTITUTIONS OF PLANT MATERIAL SHALL BE MADE WITH MATERIAL EQUIVALENT TO THE DESIRED MATERIAL IN OVERALL FORM, HEIGHT, BRANCHING HABIT, FLOWER, LEAF, COLOR, FRUIT AND CULTURE. PROPOSED SUBSTITUTIONS WILL ONLY BE CONSIDERED IF SUBMITTED WITH ENUMERATED REASONS WHY SUBSTITUTIONS ARE PROPOSED.

CAUTION SHALL BE USED NOT TO EXTEND MULCH LAYER ABOVE SOIL LEVEL AT TRUNKS/STEMS OF INSTALLED PLANT MATERIAL.

PROVIDE FIVE (5) FOOT DIAMETER MULCH CIRCLE AROUND ALL INDIVIDUAL TREE PLANTINGS AND CONTINUOUS MULCH BED AROUND SHRUB PLANTINGS.

VERIFY ALL EXISTING UTILITY LINES PRIOR TO PLANTING AND REPORT ANY CONFLICTS TO THE OWNER OR HIS REPRESENTATIVE.

PLANT MATERIALS SHALL BEAR SAME RELATIONSHIP TO GRADE AS THEY BORE TO GRADE IN THE NURSERY.

ALL PLANT MATERIALS SHALL BE GUARANTEED FOR ONE YEAR FOLLOWING DATE OF FINAL ACCEPTANCE.

LOAM AND SEED ALL DISTURBED AREAS UNLESS OTHERWISE INDICATED.

NO PLANT SHALL BE PLANTED BEFORE ACCEPTANCE OF ROUGH GRADING.

RE-GRADE STOCKPILE AREA AFTER REMOVAL OF SURPLUS MATERIALS (SEE SITE WORK SPECIFICATIONS). LOAM AND SEED THE DISTURBED AREA.

TOPSOIL STRIPPED FROM THE SITE AND PROPERLY STOCKPILED PRIOR TO APPLICATION MAY, UPON APPROVAL OF THE ENGINEER, BE USED FOR PREPARATION OF LAWNS AND PLANTING BEDS. IT SHOULD BE FREE OF LARGE (ONE (1) INCH OR GREATER) COBBLES, ROOTS, OLD SOD, TRASH, WOOD OR OTHER CONTAMINANTS AND BE OF A FRIABLE CONSISTENCY AND SUITABLE FOR PLANT GROWTH.

THE LANDSCAPE CONTRACTOR SHALL FURNISH TOPSOIL. TOPSOIL SHALL BE FERTILE, FRIABLE, NATURAL AND PRODUCTIVE TOPSOIL OF GOOD CLAY-LOAM TYPE. IT SHALL BE FREE OF WEED SEEDS. TOPSOIL SHALL BE WITHOUT ADMIXTURE OF SUBSOIL AND SHALL BE REASONABLY FREE OF STONES, LUMPS, ROOTS, STICKS AND OTHER FOREIGN MATTER. TOPSOIL SHALL NOT BE WORKED OR APPLIED IN A MUDDY OR WET CONDITION.

TOPSOIL SHALL BE SPREAD TO A MINIMUM DEPTH OF FOUR (4) INCHES AFTER SETTING ON ALL STRIPPED PLANTED AREAS INCLUDING SLOPE STABILIZATION LAWN AREAS AND PLANTING REDS AFTER FILLS ARE PROPERLY SETTLED AND SUBGRADE HAS BEEN APPROVED BY THE OWNER. THE SETTLED TOPSOIL SHALL BE UP TO THE FINISHED GRADE AS CALLED FOR ON THE DRAWINGS. SCARIFY SUBGRADE TO A DEPTH OF TWO (2) INCHES BEFORE PLACING TOPSOIL.

REMOVE ALL ROCKS AND DEBRIS FROM SOIL SURFACE AND GRADE TO AN EVEN SURFACE. SPREAD 10-10-10 FERTILIZER AT A RATE OF TWENTY-TWO (22) POUNDS PER ONE THOUSAND

(1,000) SQUARE FEET AND INCORPORATE INTO THE SOIL UNIFORMLY.

(2) BALES PER ONE THOUSAND (1,000) SQUARE FEET.

INITIAL ESTABLISHMENT.

APPLY DOLOMITIC LIME AT THE RATE OF ONE HUNDRED (100) POUNDS PER ONE THOUSAND (1,000) SQUARE FEET THE AREAS BEING PREPARED FOR PLANTING.

PLANTING SEED SHALL BE SOWN IN SEASONAL CONDITIONS AS APPROPRIATE FOR GOOD SEED SURVIVAL, OR AT SUCH TIMES AS APPROVED BY THE OWNER. PROVIDE SUFFICIENT HOSE AND SPRINKLER HEADS FOR ADEQUATE WATERING TO MAINTAIN A MOIST SEED BED AT ALL TIMES.

PLANTING SEED SHALL BE SOWN EVENLY WITH MECHANICAL SPREADER OR BY HAND AT THE RATE OF SIX (6) POUNDS PER ONE THOUSAND (1,000) SQUARE FEET. ALL SEEDING SHALL BE DONE ON DAYS WHEN THE WIND DOES NOT EXCEED A VELOCITY OF FIVE (5) MILES PER HOUR AND THE SEED SHALL BE DRY.

RAKE AND THEN ROLLED WITH A HAND ROLLER WEIGHING NOT LESS THAN ONE HUNDRED (100)

STRAW MULCH SHALL BE SPREAD UNIFORMLY OVER ALL SEEDED AREAS AT THE RATE OF TWO

AFTER SEEDING, THE SURFACE OF THE SOIL SHALL BE EVENLY RAKED WITH A FINE-TOOTHED

WATER, MULCH AND SEED BED THOROUGHLY AND IMMEDIATELY AFTER COMPLETION OF MULCHING. SOIL SHALL BE MOISTENED TO A DEPTH OF FOUR (4) INCHES. CONTRACTOR HALL INSTRUCT OWNERS REPRESENTATIVE ON APPROPRIATE WATERING PROCEDURES DURING

IF CERTAIN OF THE LAWN AREAS DO NOT SHOW A PROMPT "CATCH", THESE SHALL BE RESEEDED AT THE SAME RATE AND IN THE SAME MANNER AS BEFORE IN INTERVALS OF TEN (10) DAYS, WHICH PROCESS SHALL CONTINUE UNTIL A GROWTH OF GRASS IS ESTABLISHED

PROTECT NEWLY TOPSOILED, GRADED AND/OR SEEDED AREAS FROM TRAFFIC AND EROSION. KEEP AREAS FREE OF TRASH AND DEBRIS RESULTING FROM LANDSCAPE CONTRACTOR

PLACE WARNING SIGNS IN SEEDED AREAS AND ERECT NECESSARY BARRICADES TO PREVENT DAMAGE BY PERSONS OR MACHINES AND MAINTAIN THESE FOR AT LEAST THIRTY (30) DAYS.

REPAIR AND REESTABLISH GRADES IN SETTLED, ERODED AND RUTTED AREAS TO THE SPECIFIED GRADE AND TOLERANCES.

THE LANDSCAPE CONTRACTOR IS TO CLEAN UP AND REMOVE ANY DEBRIS FROM THE SITE CAUSED BY THE LANDSCAPE CONTRACTOR.

PLANT MATERIAL IS TO BE MAINTAINED BY THE LANDSCAPE CONTRACTOR WHILE THE PROJECT

ALL TREES ALONG SIDEWALKS SHALL HAVE A MINIMUM SIX (6) FOOT BRANCHING HEIGHT.

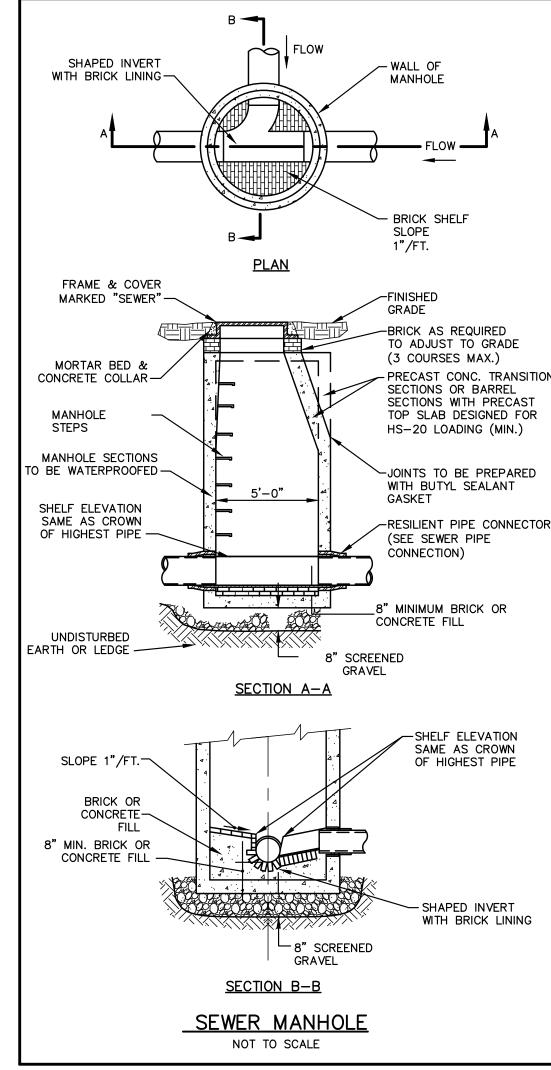
ALL TREES WITHIN THE FOUR HUNDRED (400) FOOT SIGHT LINE AT THE ENTRY DRIVE SHALL BE INSTALLED AND MAINTAINED WITH A MAXIMUM SIX (6) FOOT BRANCHING HEIGHT. SHRUBS WITHIN THE FOUR HUNDRED (400) FOOT SIGHT LINE AT THE ENTRY DRIVE SHALL BE INSTALLED AND MAINTAINED TO A MAXIMUM HEIGHT OF EIGHTEEN (18) INCHES.

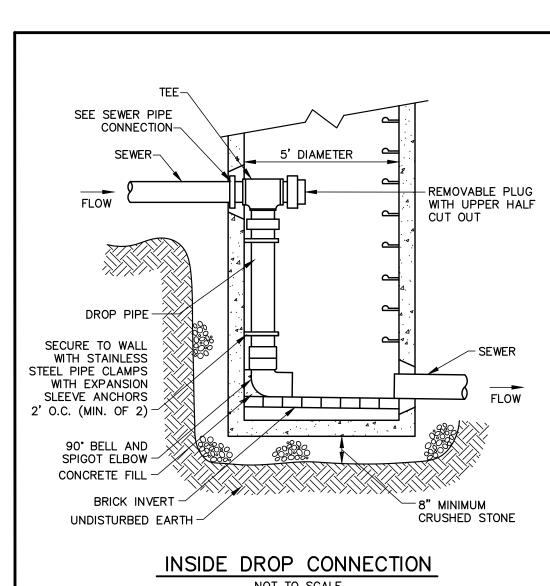
LIGHTING NOTES

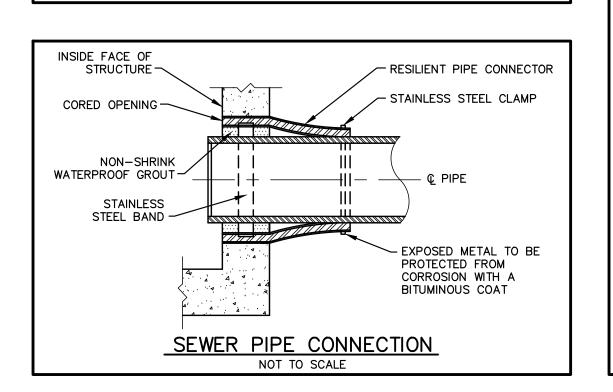
REFER TO PLANS FOR ALL SPORTS FIELD LIGHT LOCATIONS AND CONSTRUCTION DETAILS. DIMENSIONS FOR LIGHT LOCATIONS ARE TO THE CENTER OF MOUNTING POLES. POLES SHALL BE FLUSH WITH GRADE UNLESS OTHERWISE NOTED.

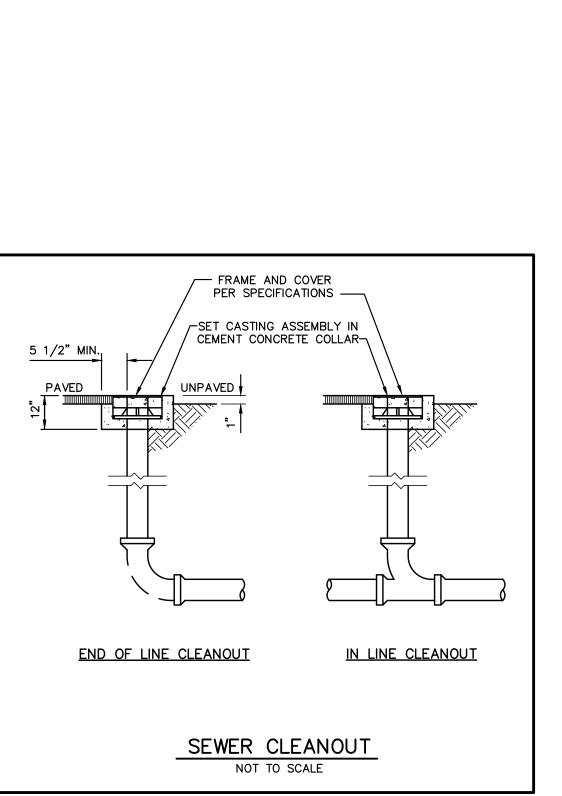
CUTOFF LUMINAIRE FIXTURES WILL BE UTILIZED TO ENSURE NO OFF SITE GLARE IS CREATED.

IRRIGATION NOTES - SEE SHEET I-1









GUARDRAIL/GUIDERAIL CONCRETE CURB VERTICAL GRANITE CURB BITUMINOUS CONCRETE BERM TREE TREE LINE ∞ STONE WALL BUILDING APPROXIMATE BOUNDARY OF BORDERING VEGETATED WETLAND APPROXIMATE 100' BUFFER ZONE MINOR CONTOUR MAJOR CONTOUR SPOT ELEVATION AREA DRAIN BITUMINOUS CONCRETE **BENCHMARK** EROSION CONTROL BARRIER CONCRETE EDGE OF PAVEMENT OUTLET CONTROL STRUCTURE POLYVINYL CHLORIDE REINFORCED CONCRETE PIPE WATER QUALITY INLET STONE BOUND STONE BOUND W/ DRILL HOLE FOUND

BEALS AND THOMAS, INC. SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS,

SAFETY OF PUBLIC OR CONTRACTOR'S EMPLOYEES: OR FOR THE FAILURE OF THE

CONTRACTOR TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT

OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC, MECHANICAL,

DOCUMENTS.

METHODS, TECHNIQUES, OR PROCEDURES UTILIZED BY THE CONTRACTOR, NOR FOR THE

NO PART OF THIS DOCUMENT MAY BE REPRODUCED, STORED IN A RETRIEVAL SYSTEM.

PHOTOCOPYING, RECORDING OR OTHERWISE WITHOUT THE PRIOR WRITTEN PERMISSION OF

BEALS AND THOMAS. INC. EXCEPT THAT ANY REGULATORY AUTHORITY MAY REPRODUCE

AND TRANSMIT COPIES AS REQUIRED IN CONJUNCTION WITH PERFORMANCE OF OFFICIAL BUSINESS UNDER ITS JURISDICTION. ANY MODIFICATIONS TO THIS DOCUMENT WITHOUT

THE WRITTEN PERMISSION OF BEALS AND THOMAS, INC. SHALL RENDER IT INVALID AND

LEGEND AND ABBREVIATIONS

SEWER LINE/MANHOLE

TELEPHONE LINE/MANHOLE

DRAIN LINE/MANHOLE

CATCH BASIN

HYDRANT

LIGHT POLE

GUY WIRE

SIGN

POST

UTILITY POLE

BOLLARD POST

CHAIN LINK FENCE

HAND HOLE

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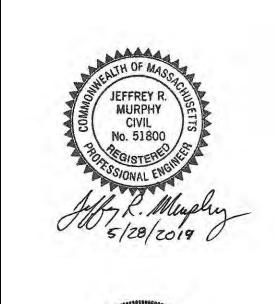
PREPARED FOR

WALTHAM

610 MAIN STREET WALTHAM, MASSACHUSETTS

RECORD OWNER:

4600/39 054-004-0005





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PREPARED BY:

BEALS+THOMAS Civil Engineers + Landscape Architects + Land Surveyors + Planners + Environmental Specialists

BEALS AND THOMAS, INC. Reservoir Corporate Center 144 Turnpike Road Southborough, Massachusetts 01772-2104 T 508.366.0560 | www.bealsandthomas.com

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1	05/28/2019		ADDENDUM 3			
0	05/03/2019		ISSUED FOR BIDDING			
	ISSUE DATE		DESCRIPTION			
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CORNELIA WARREN PARK

WALTHAM, MASSACHUSETTS

DATE: MAY 3, 2019 SCALE: N/A

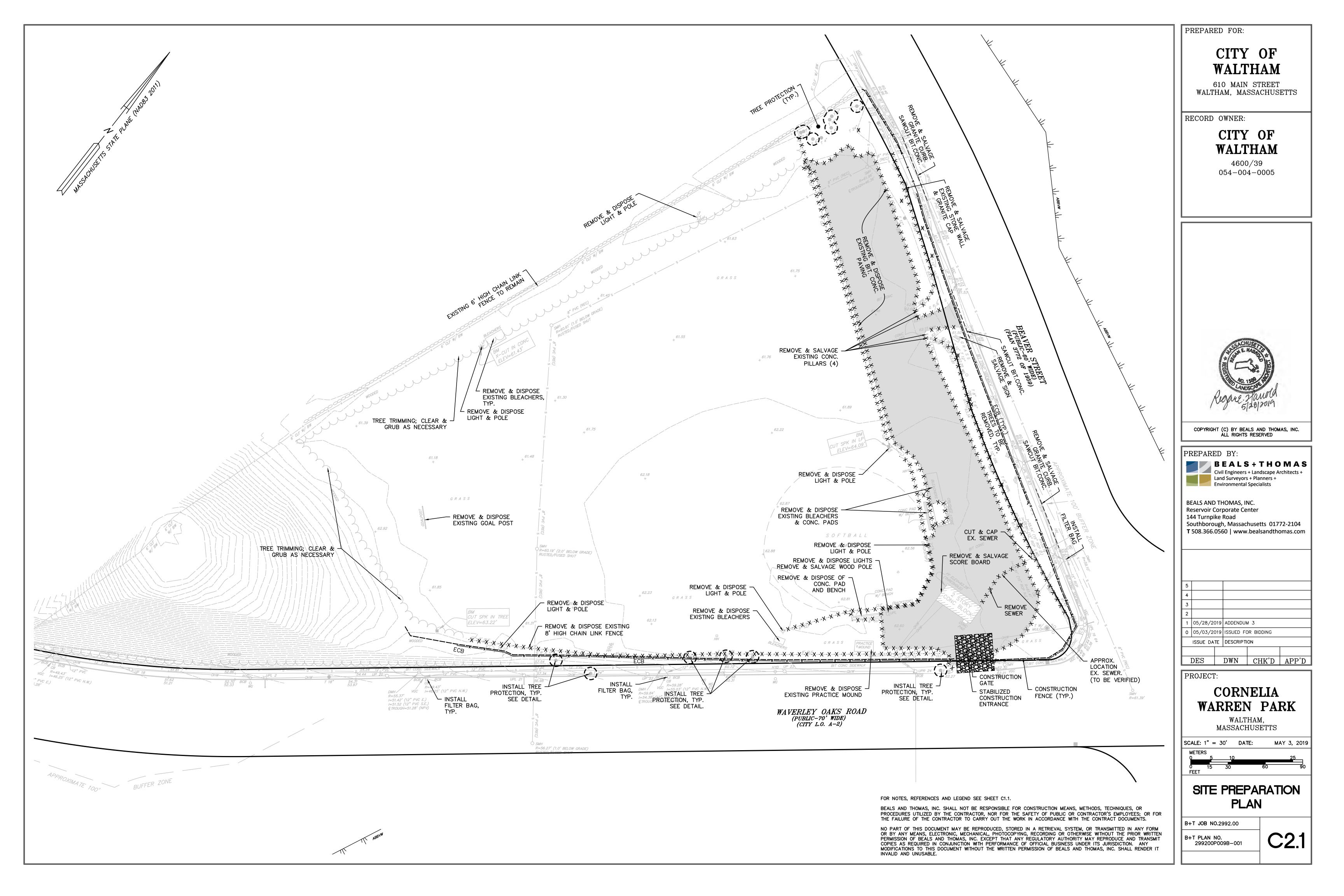
NOTES, REFERENCES

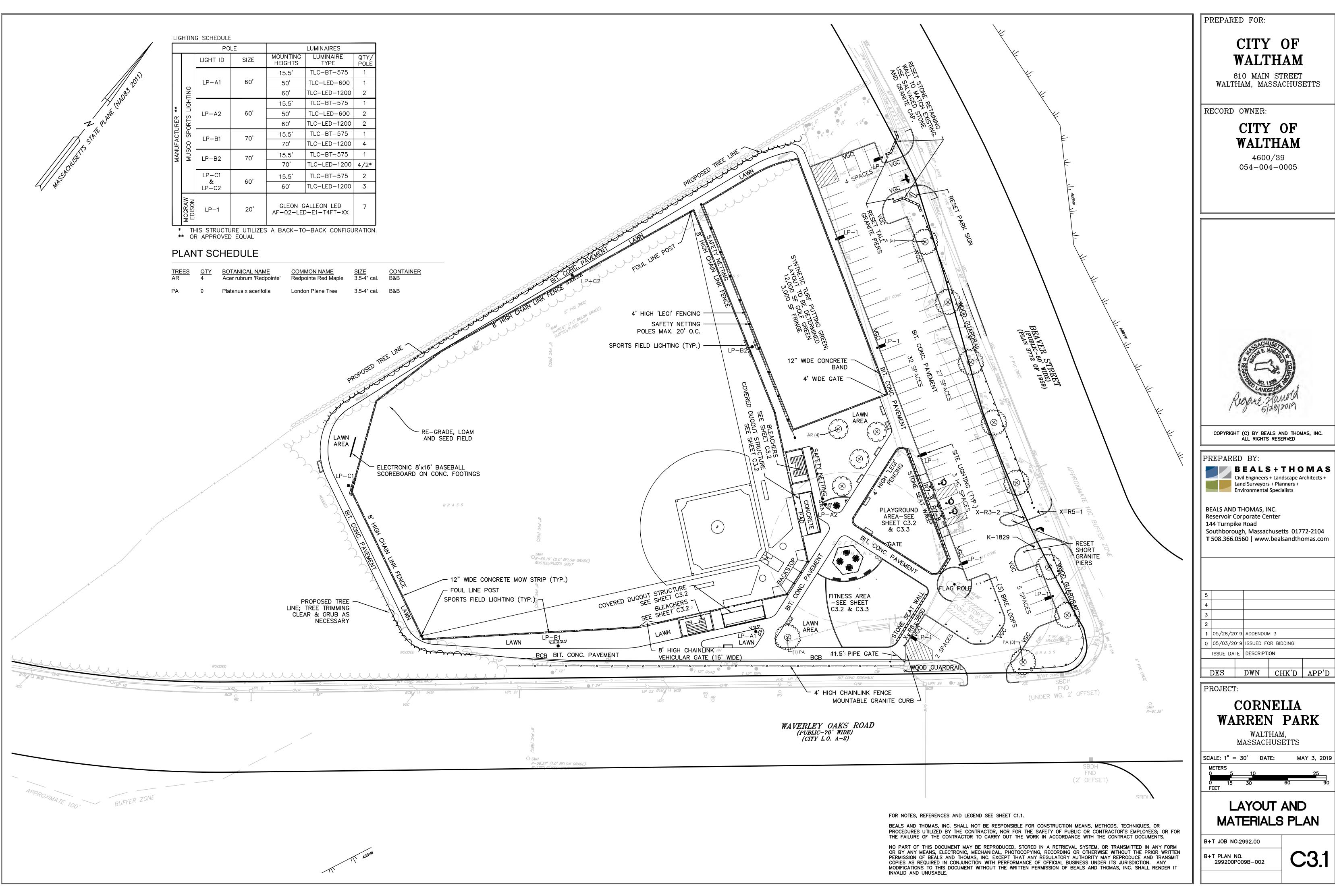
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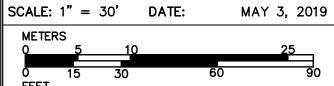
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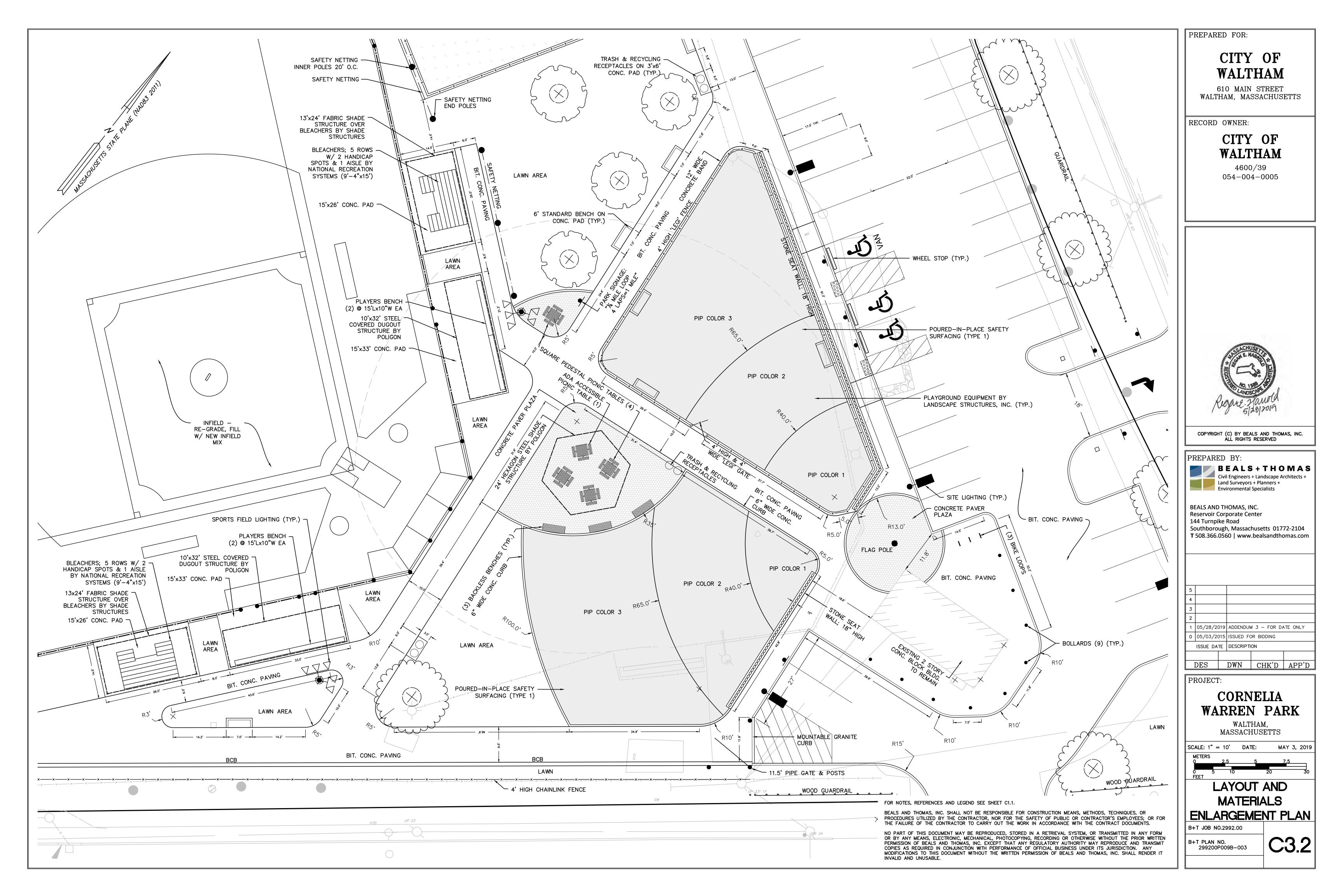
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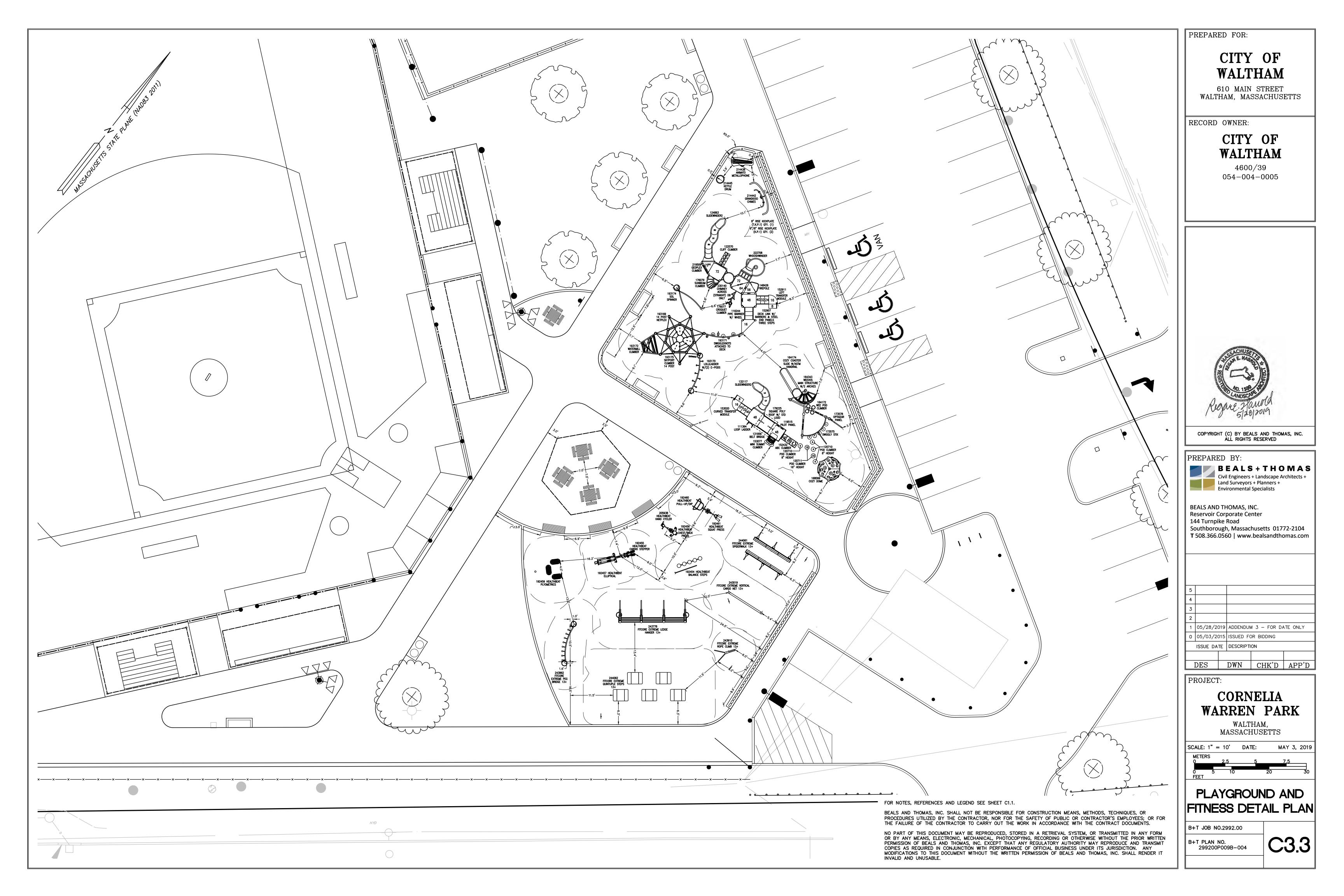
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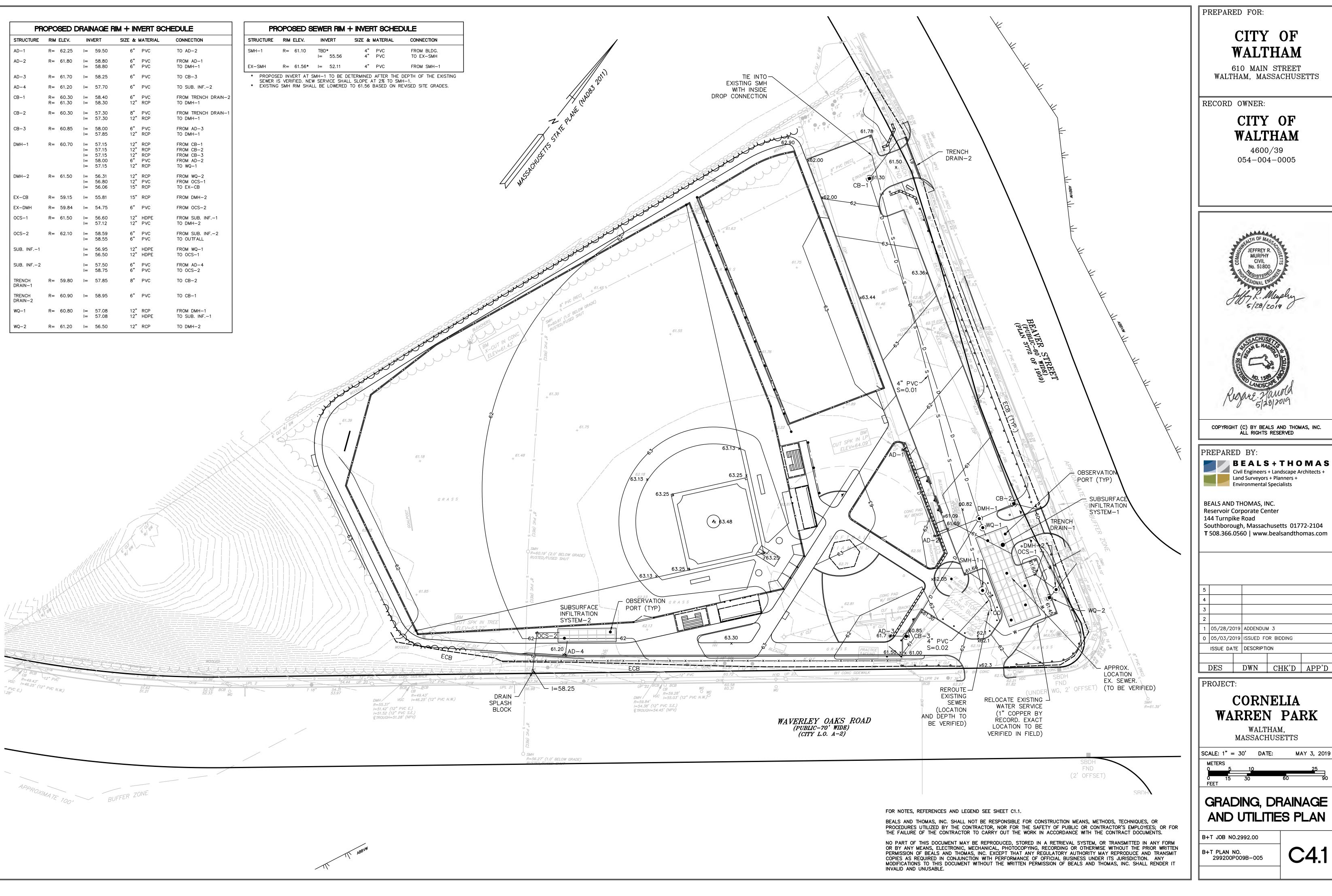


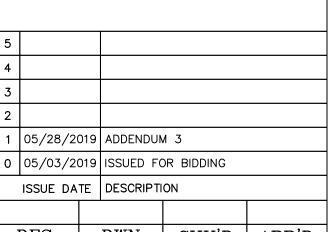




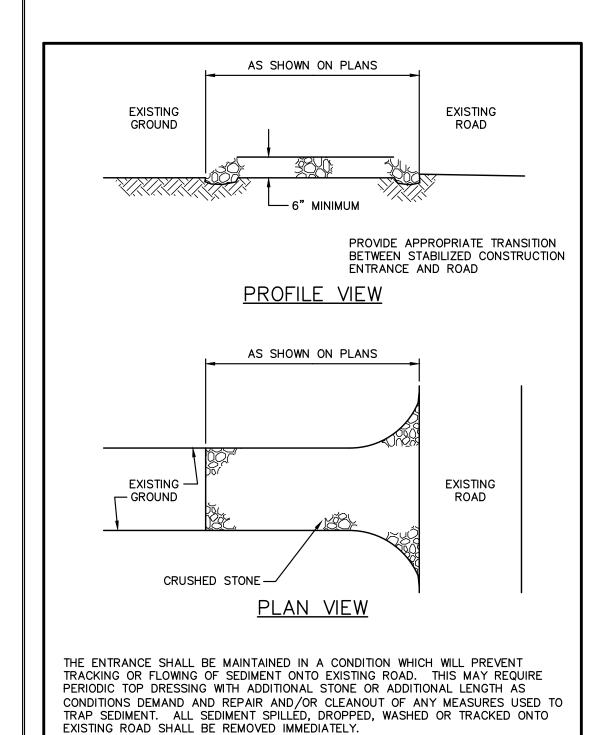


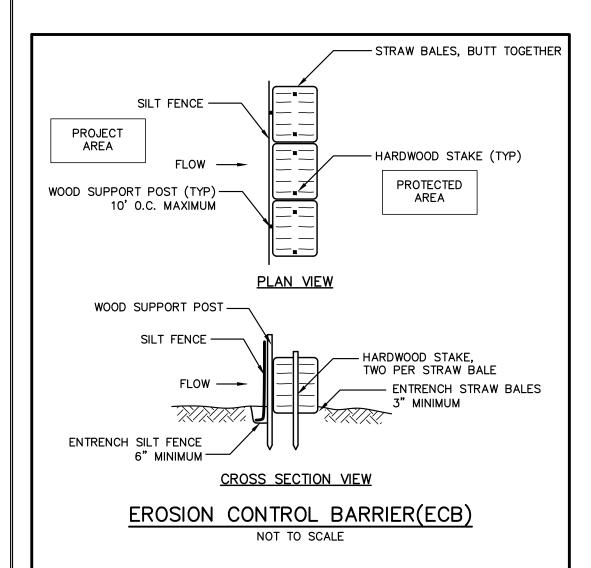






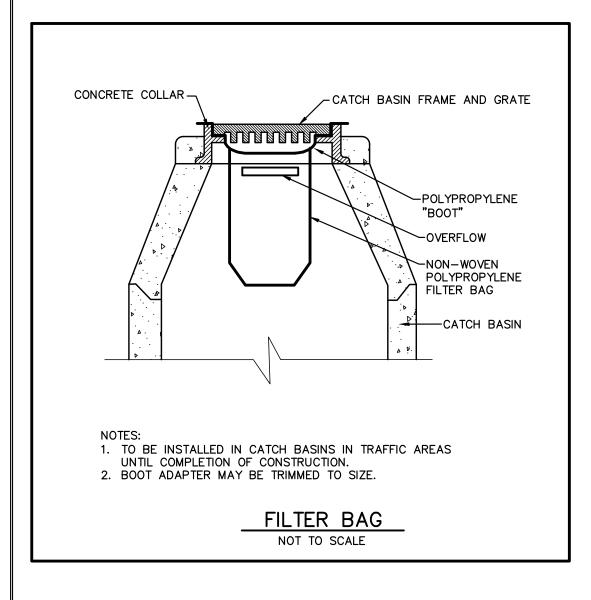
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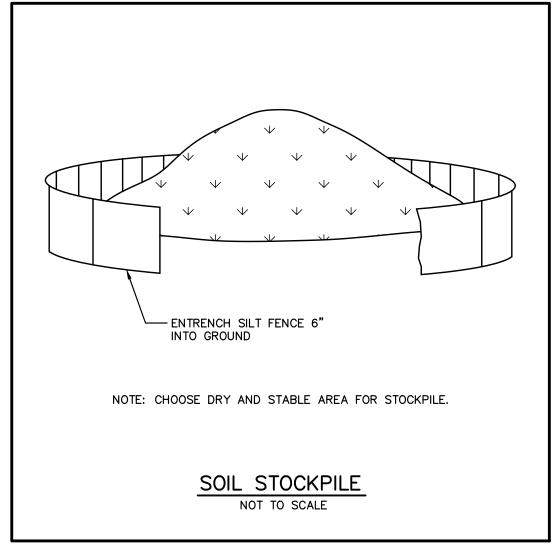


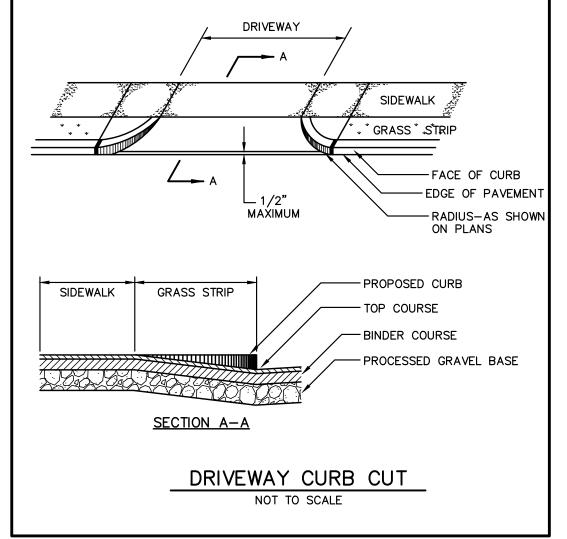


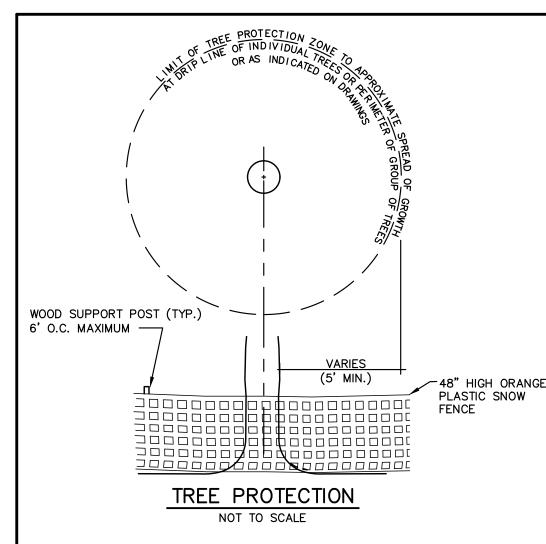
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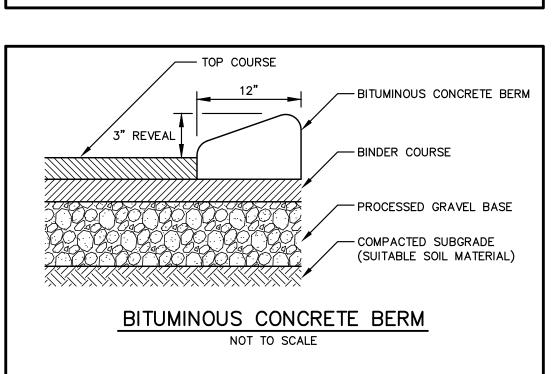
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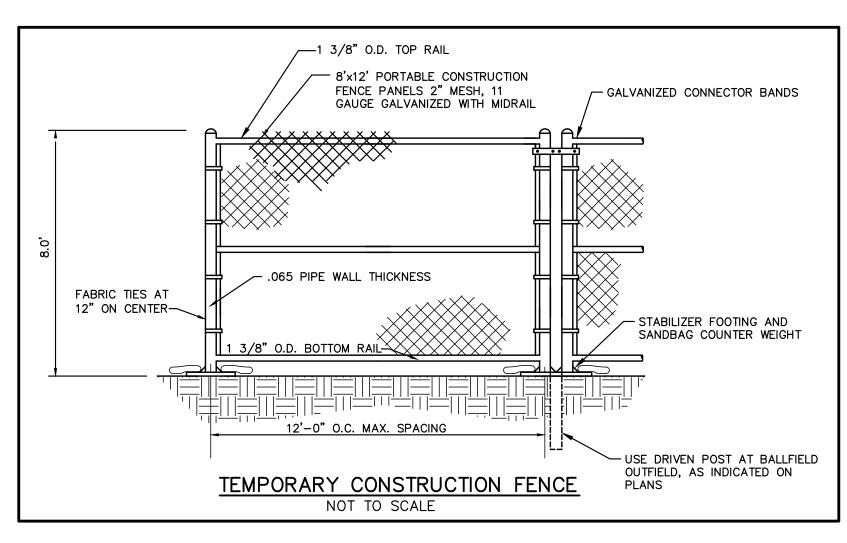


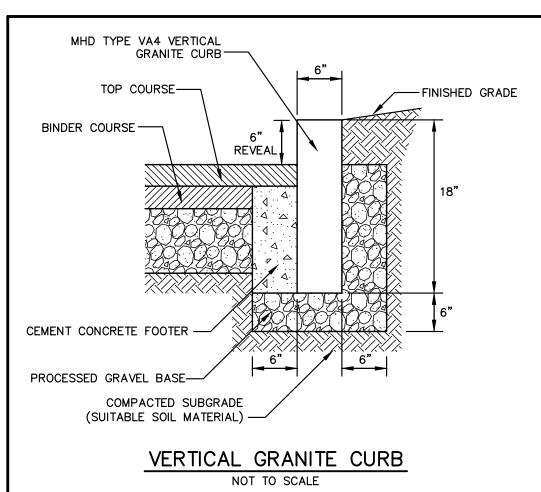


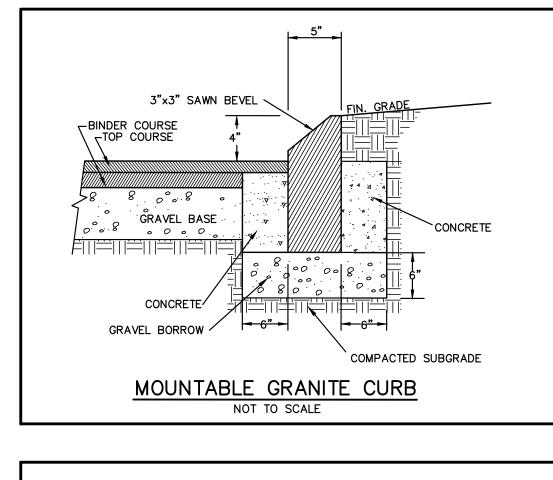


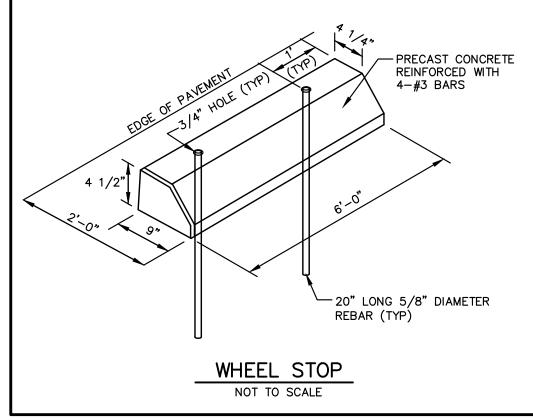


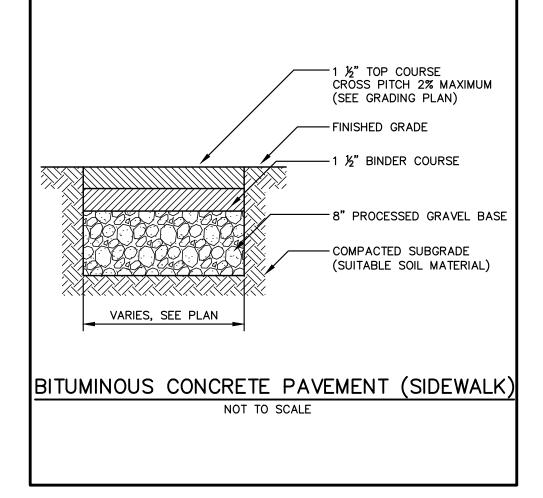


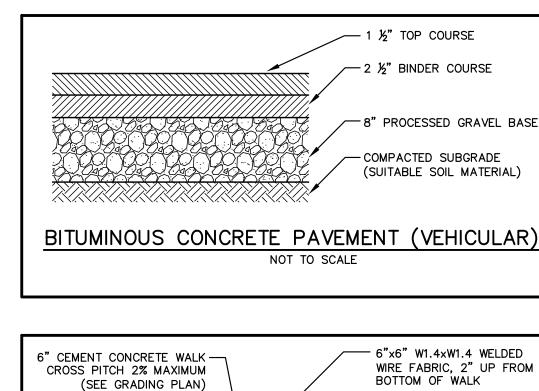


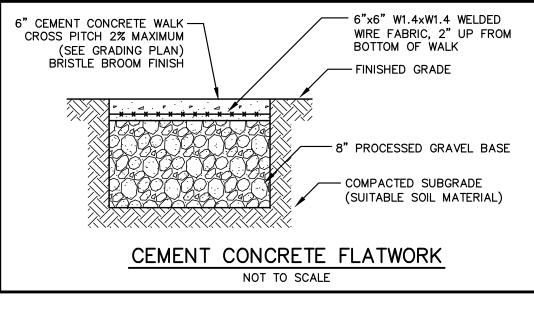


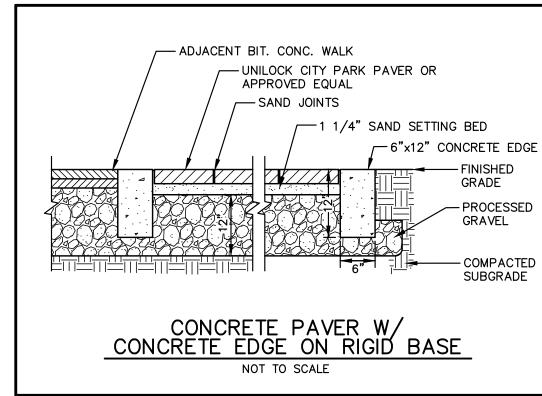


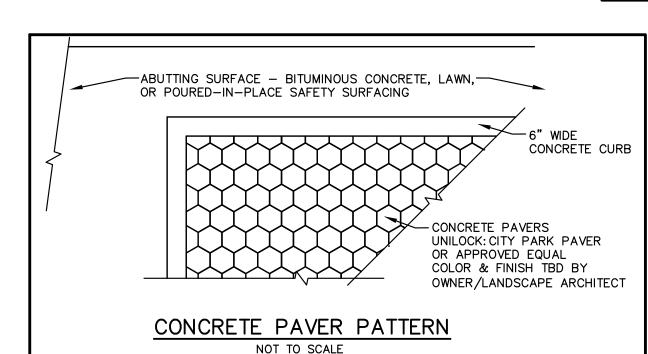


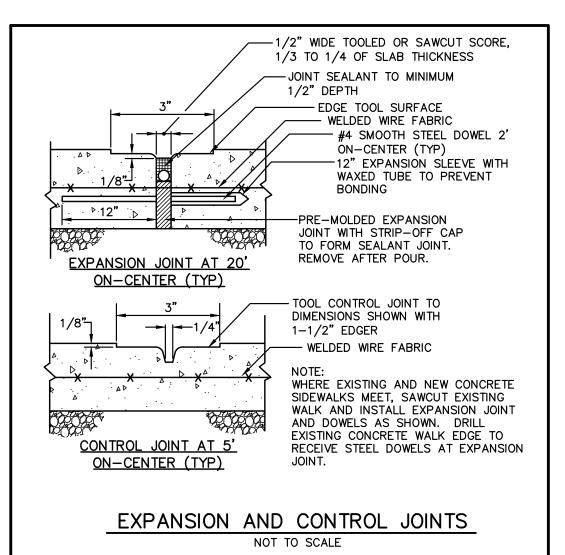


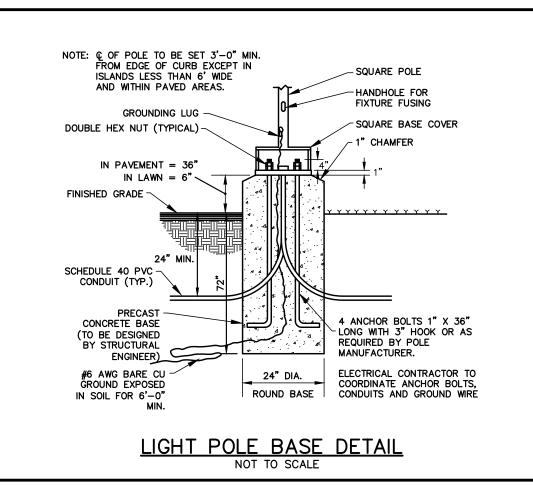














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CITY OF WALTHAM

WALTHAM, MASSACHUSETTS

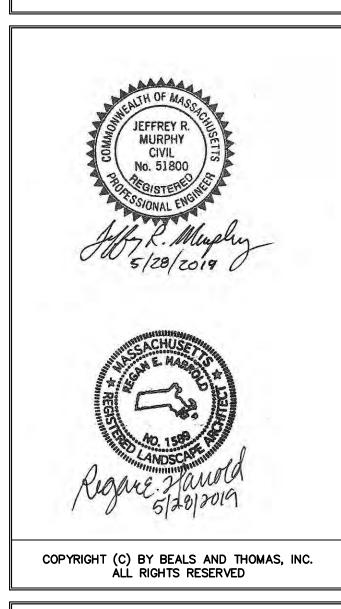
610 MAIN STREET

RECORD OWNER:

PREPARED FOR:

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CORNELIA WARREN PARK

WALTHAM, MASSACHUSETTS

SCALE: AS NOTED DATE: MAY 3, 2019

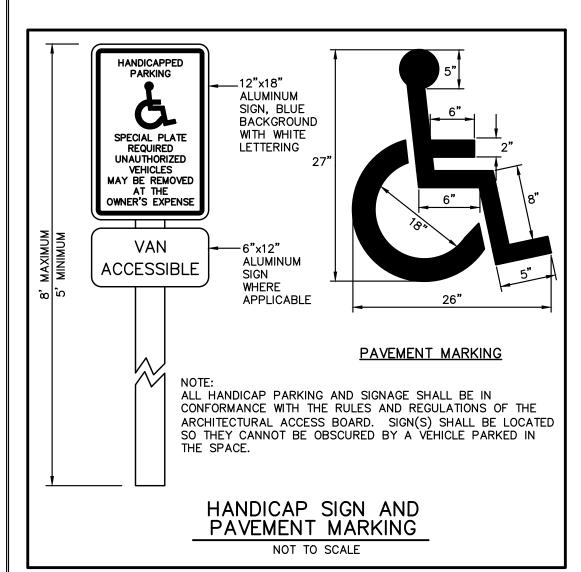
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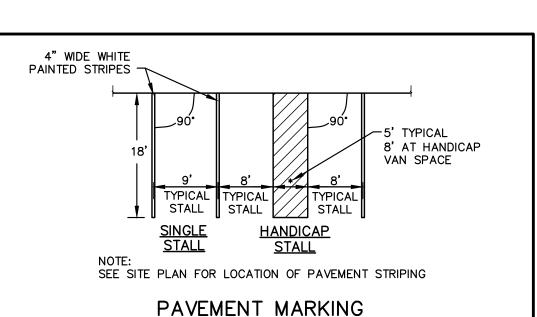
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PROJECT:

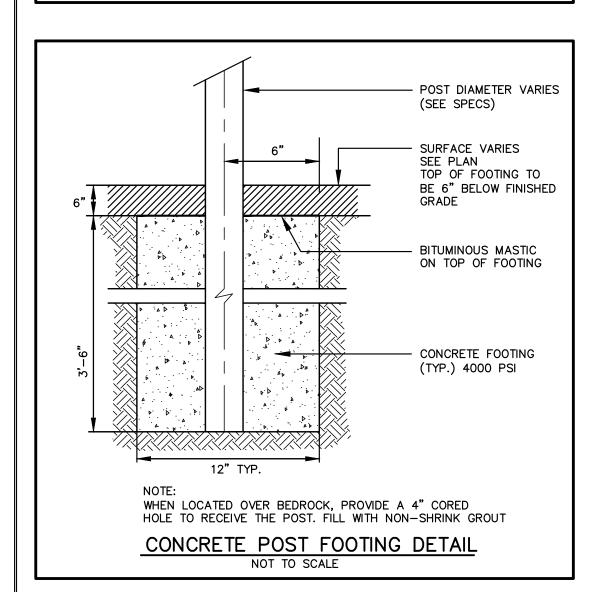
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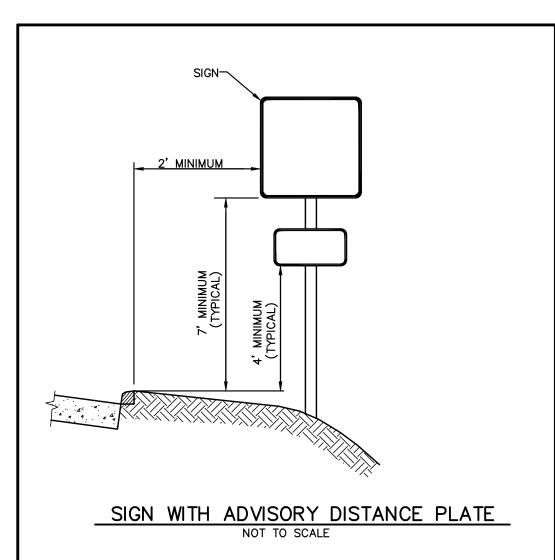
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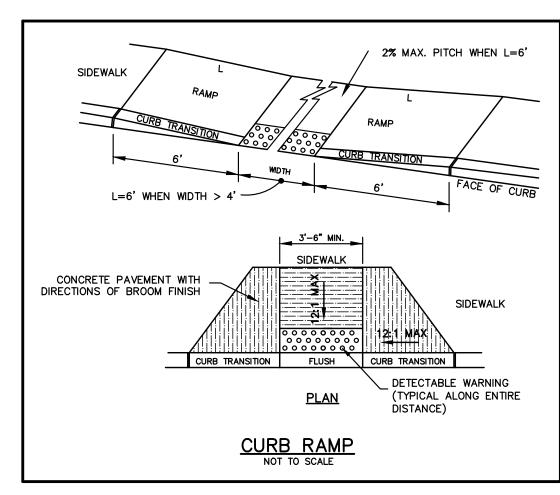


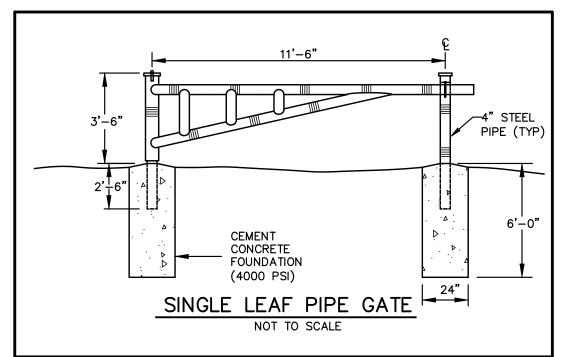


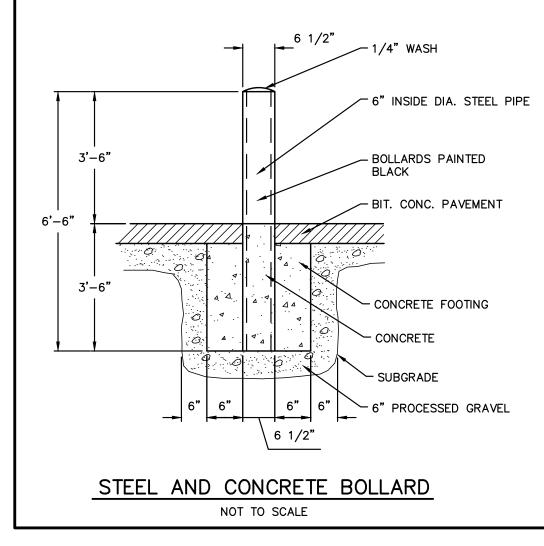
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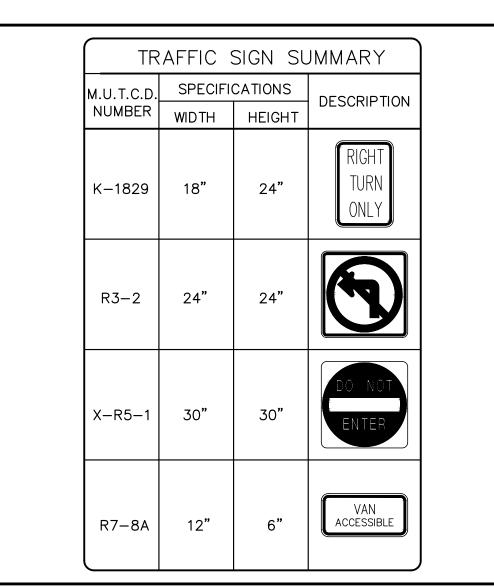


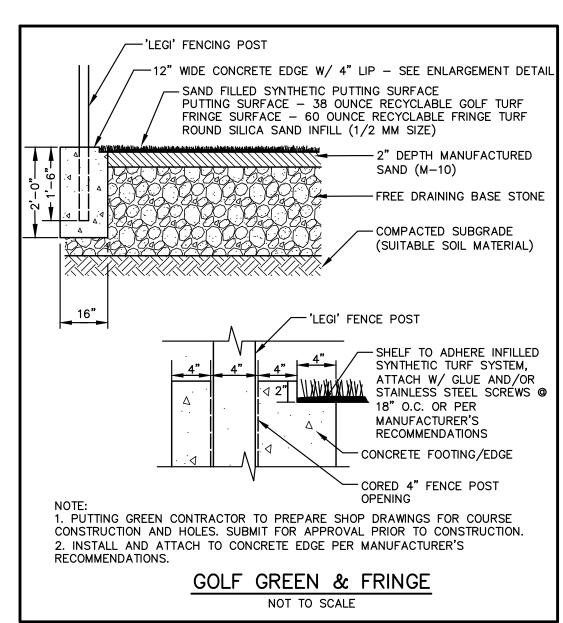


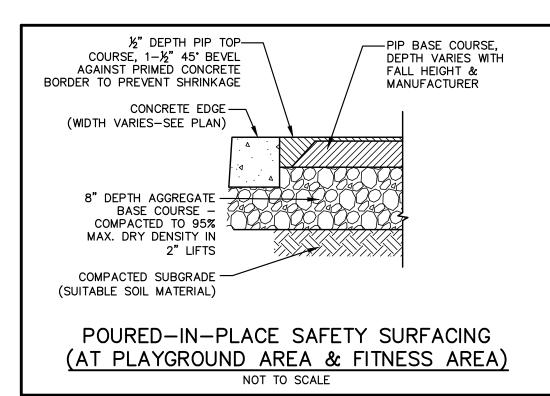


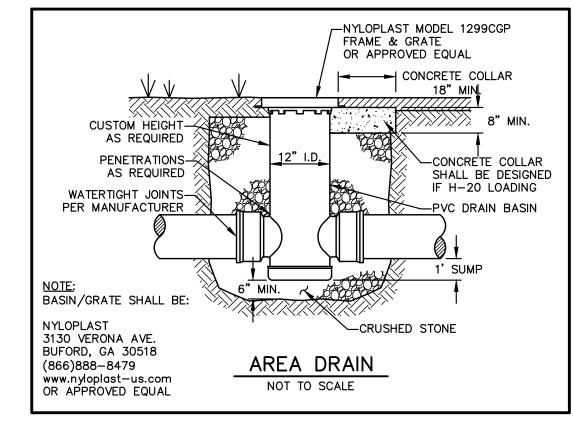


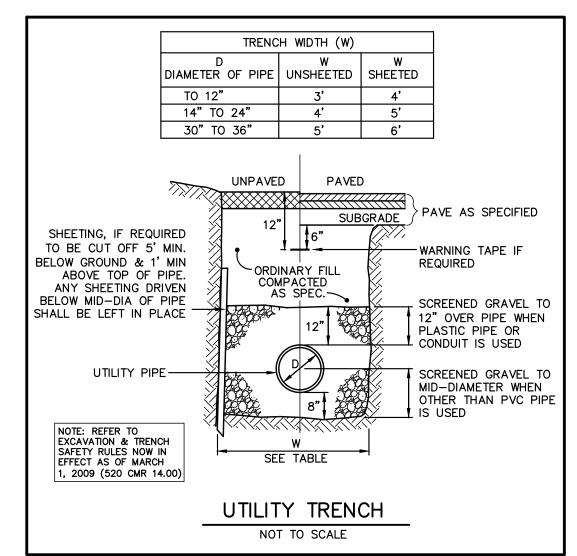


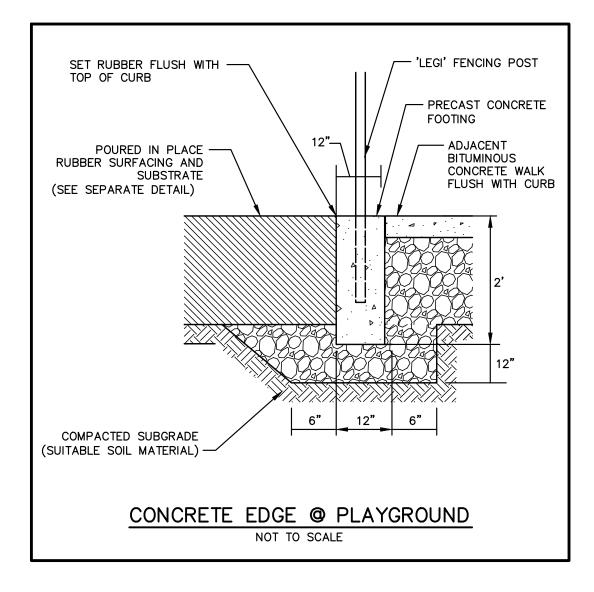


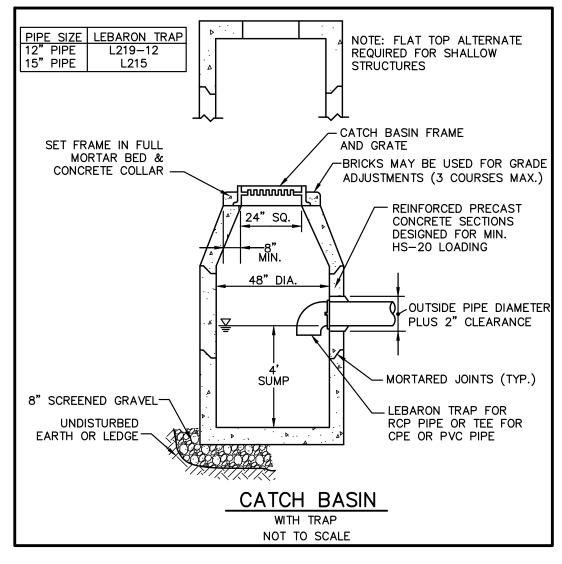


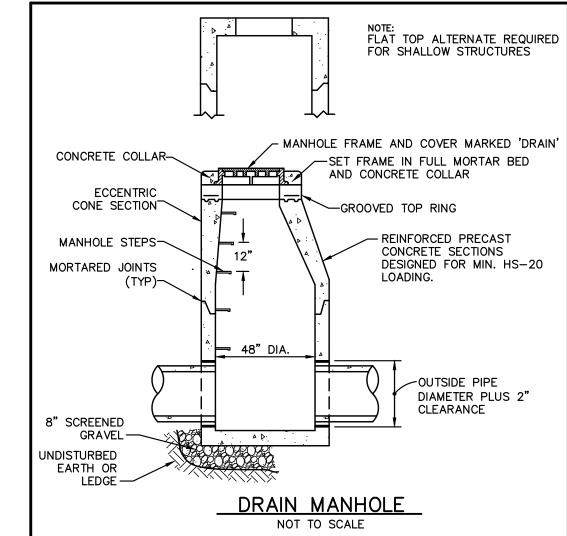


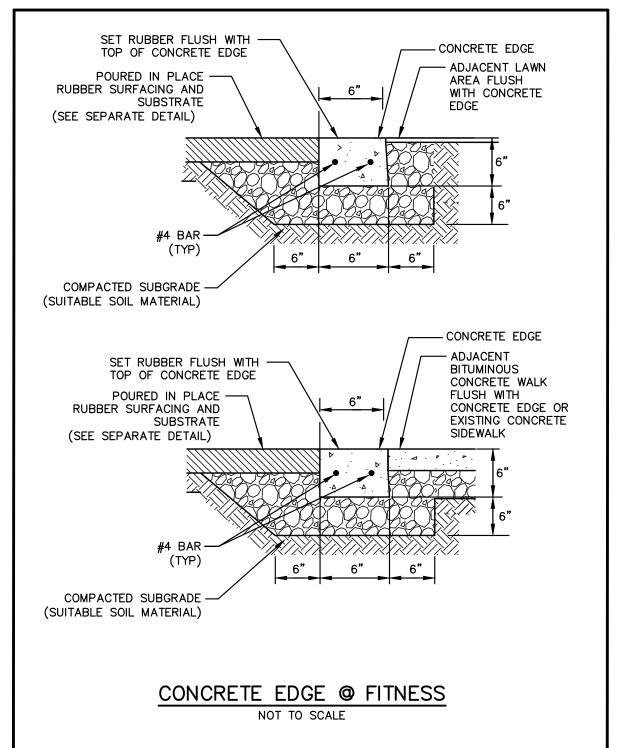


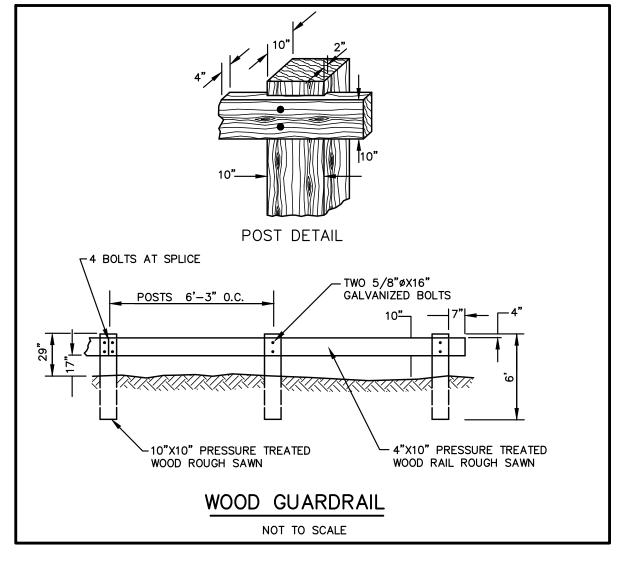


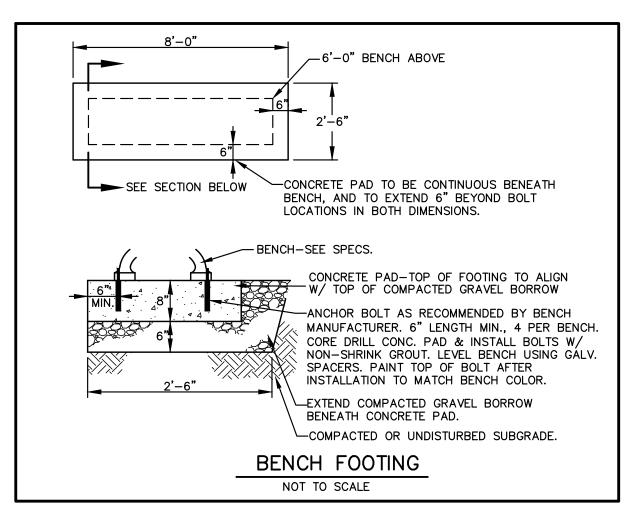








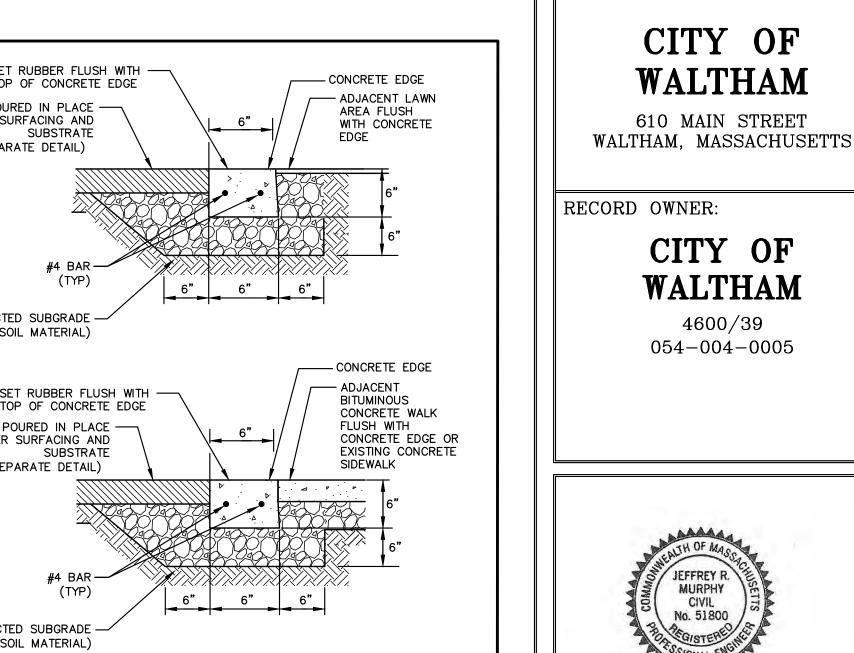




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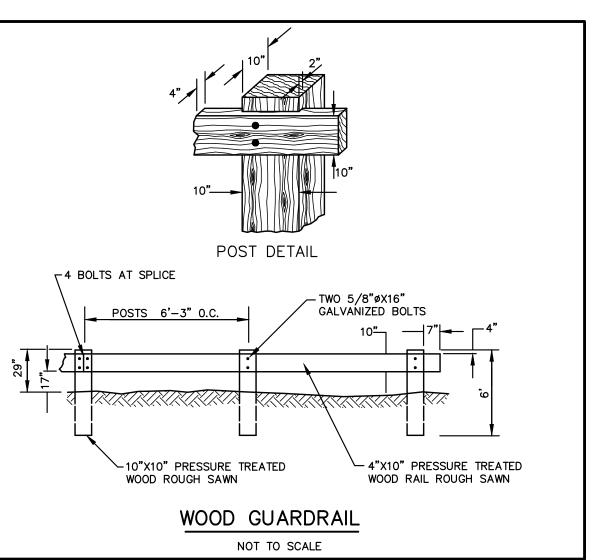
2 05/28/2019 ADDENDUM 3

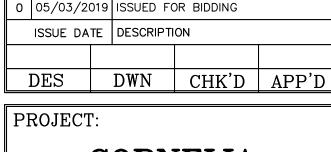
1 05/24/2019 ADDENDUM 2

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Reservoir Corporate Center

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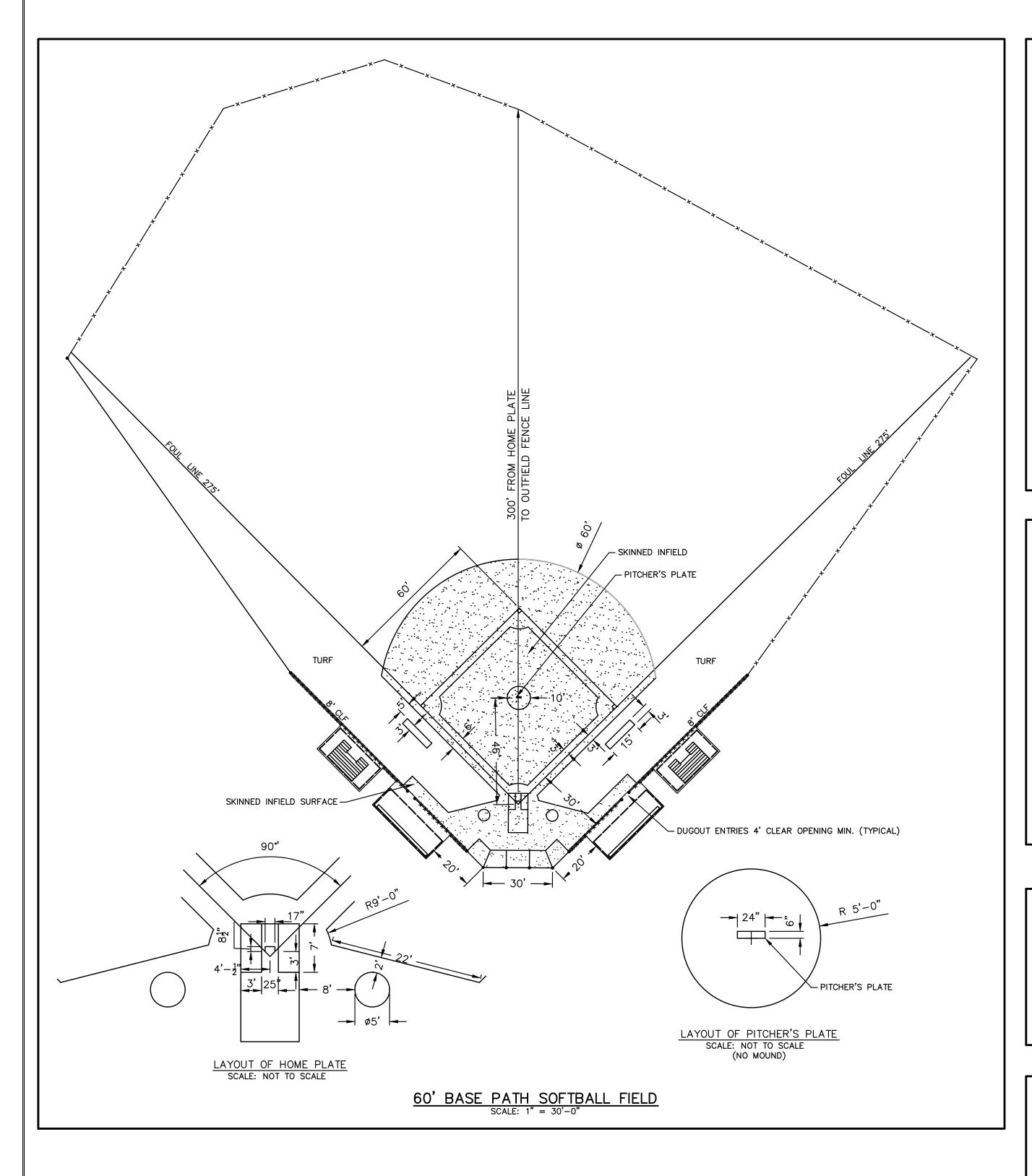
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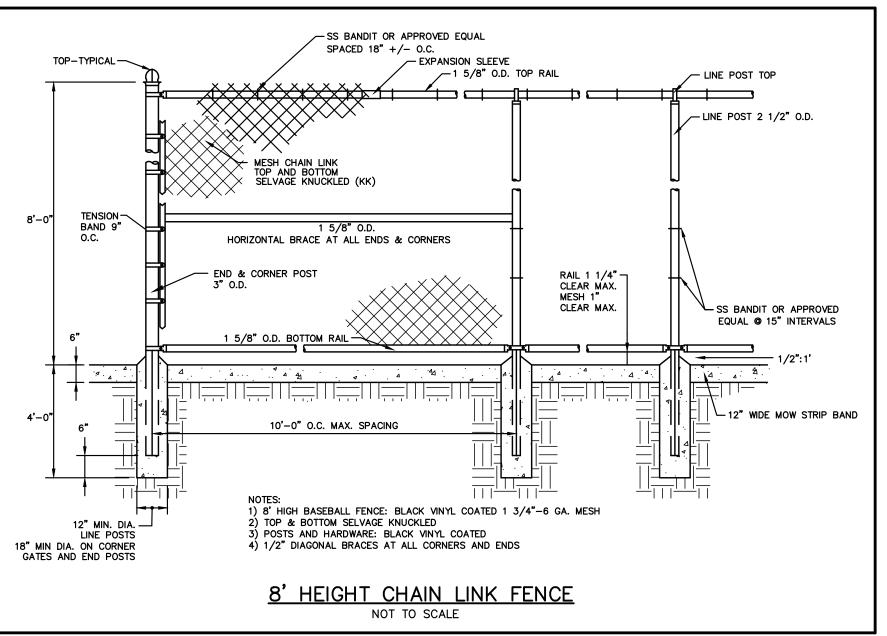
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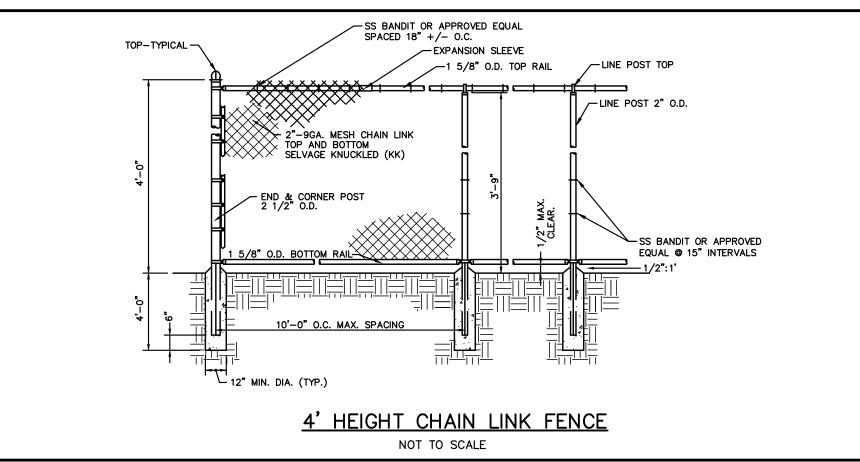
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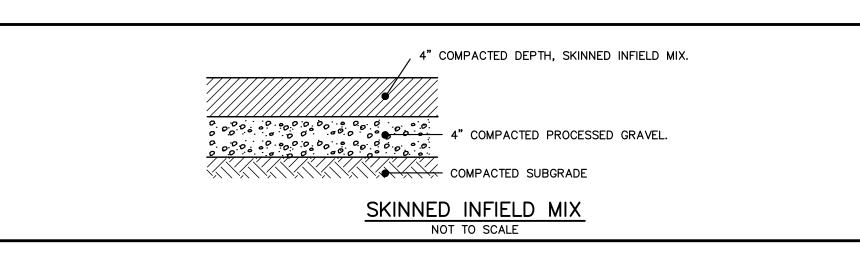
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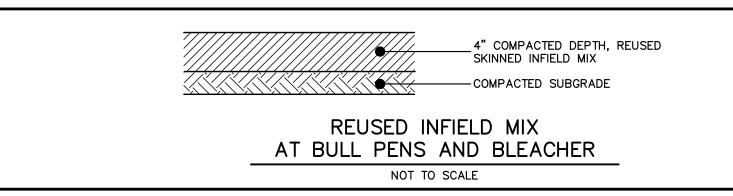
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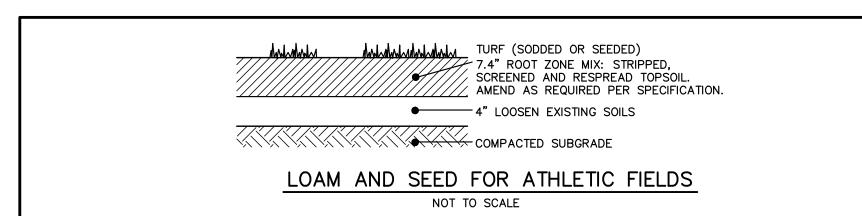


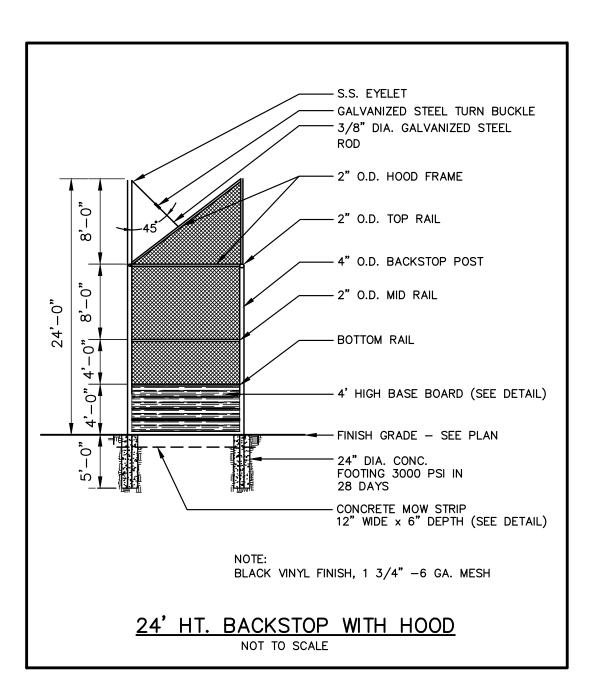


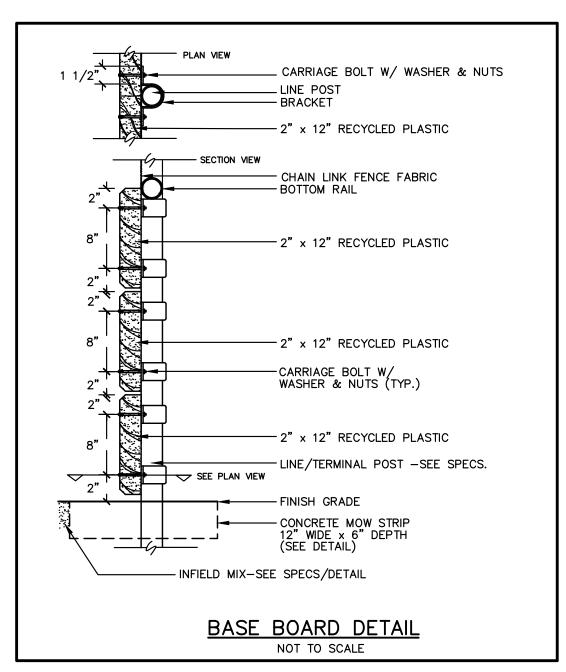


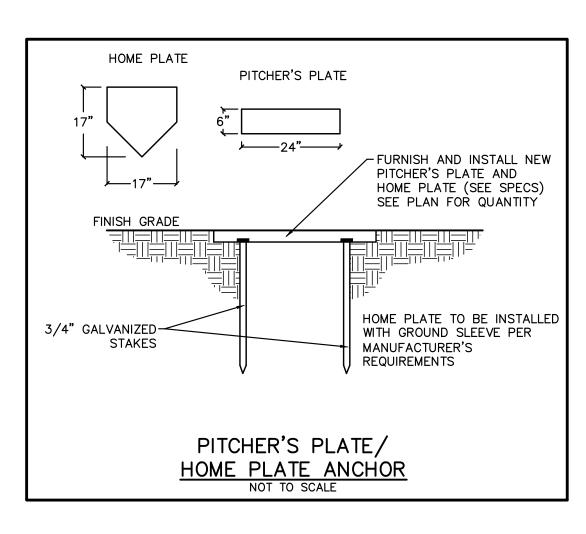












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610 MAIN STREET WALTHAM, MASSACHUSETTS

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Reservoir Corporate Center
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Southborough, Massachusetts 01772-2104
T 508.366.0560 | www.bealsandthomas.com

5 | 4 | 3 | 2 | 1 | 05/28/2019 | ADDENDUM 3 - FOR DATE ONLY 0 | 05/03/2019 | ISSUED FOR BIDDING | ISSUE DATE | DESCRIPTION | DES | DWN | CHK'D | APP'D

PROJECT:

CORNELIA WARREN PARK

WALTHAM, MASSACHUSETTS

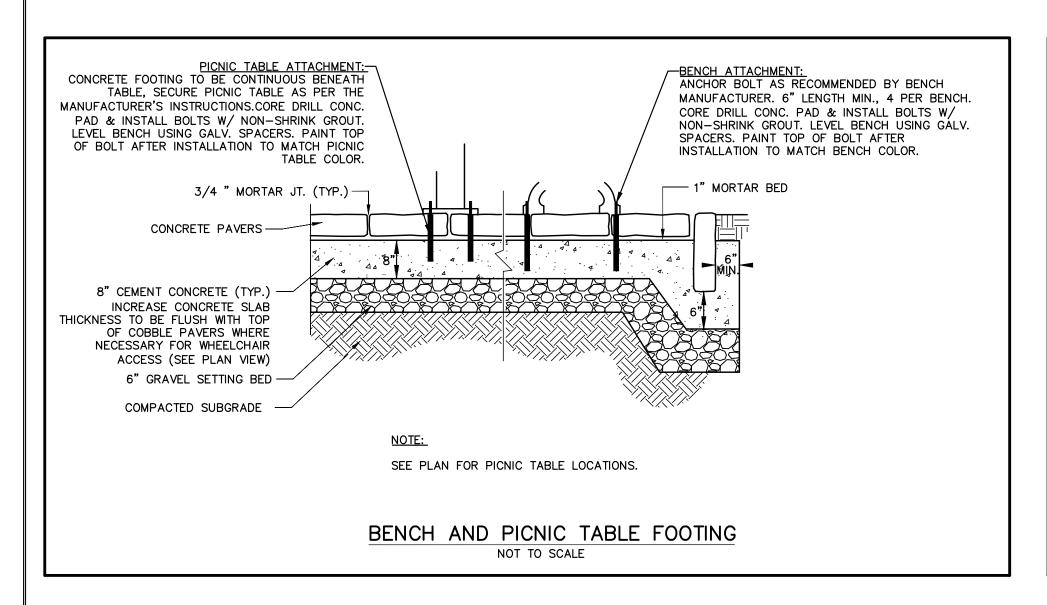
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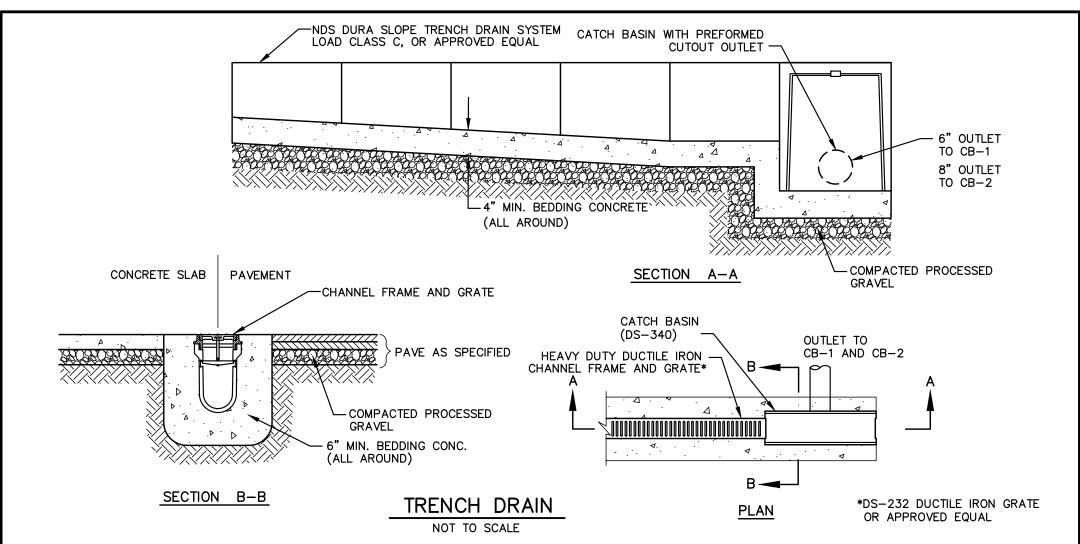
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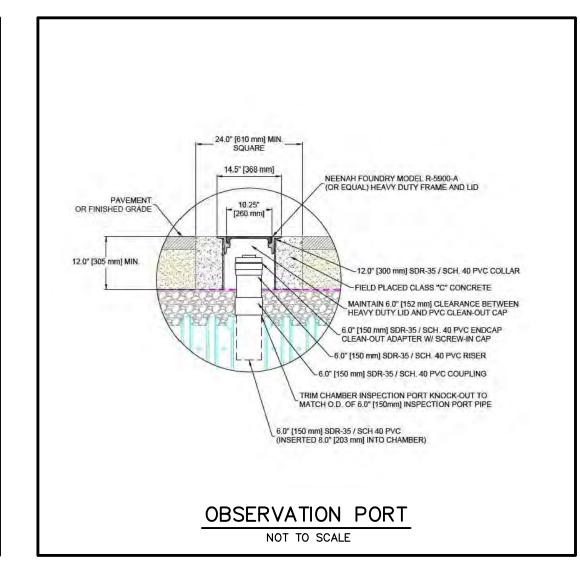
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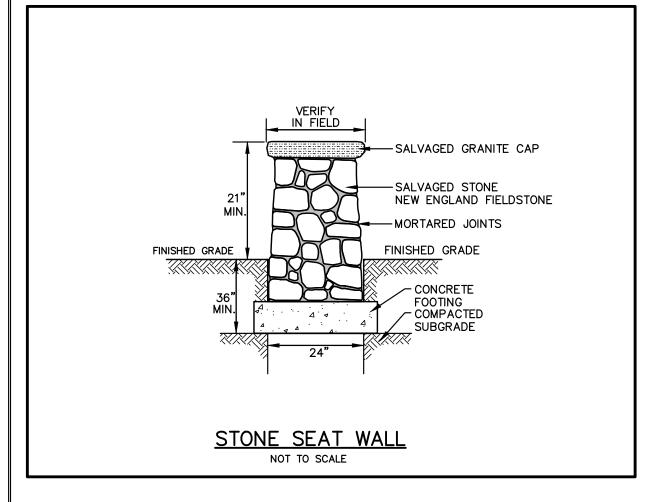
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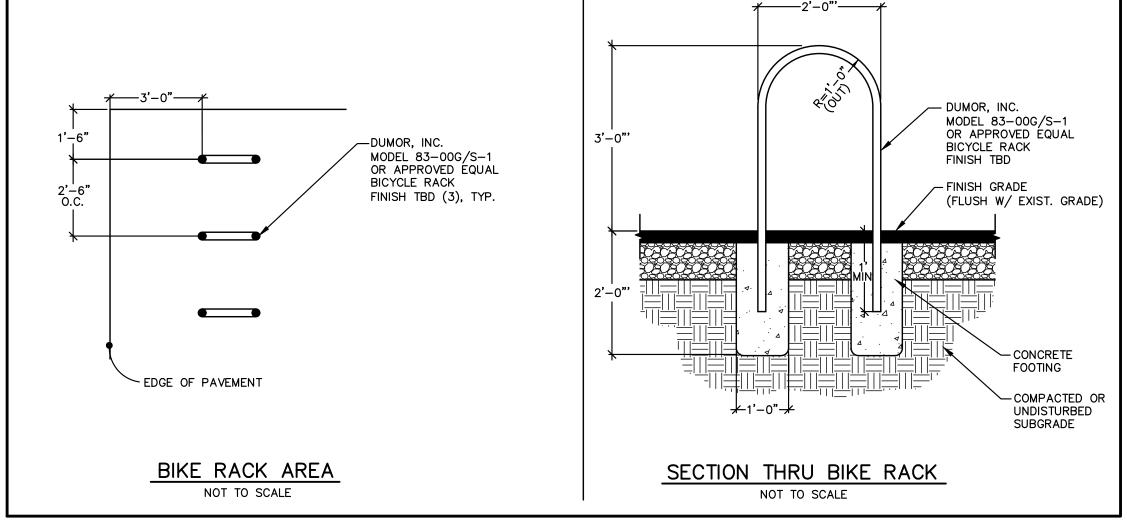
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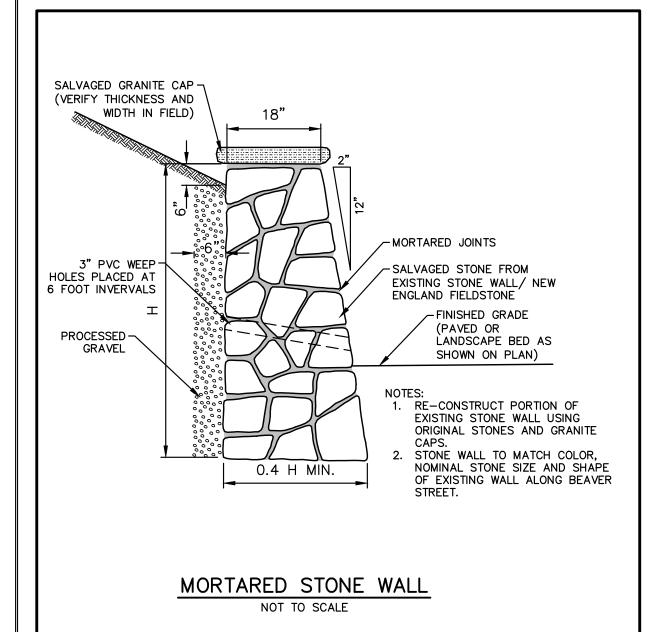


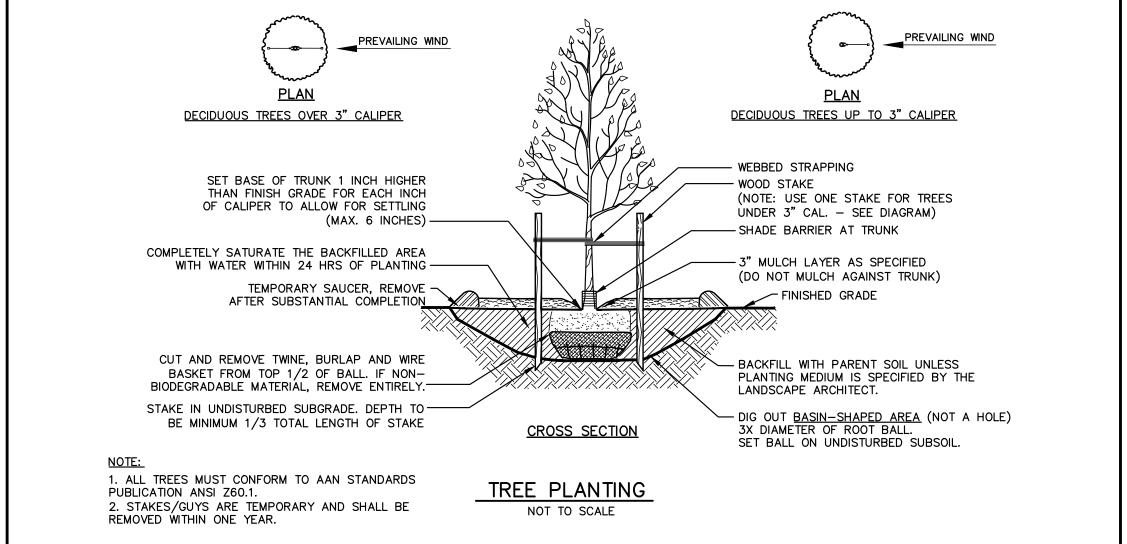


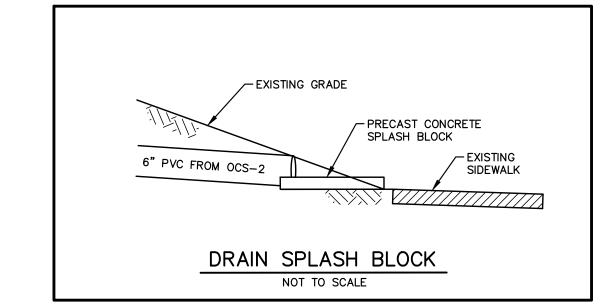


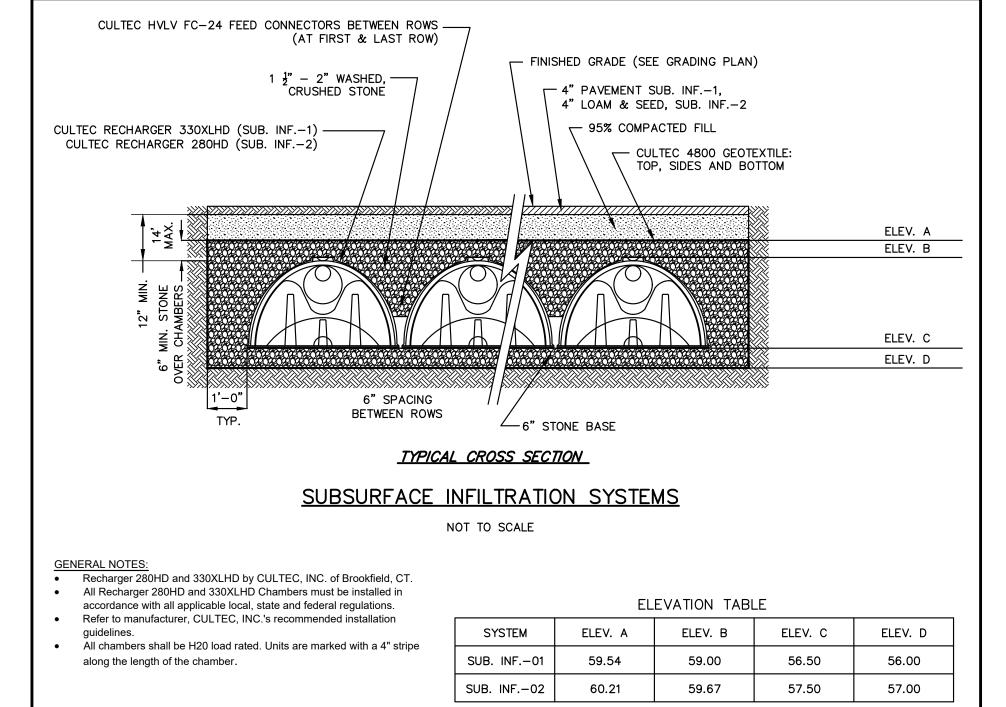


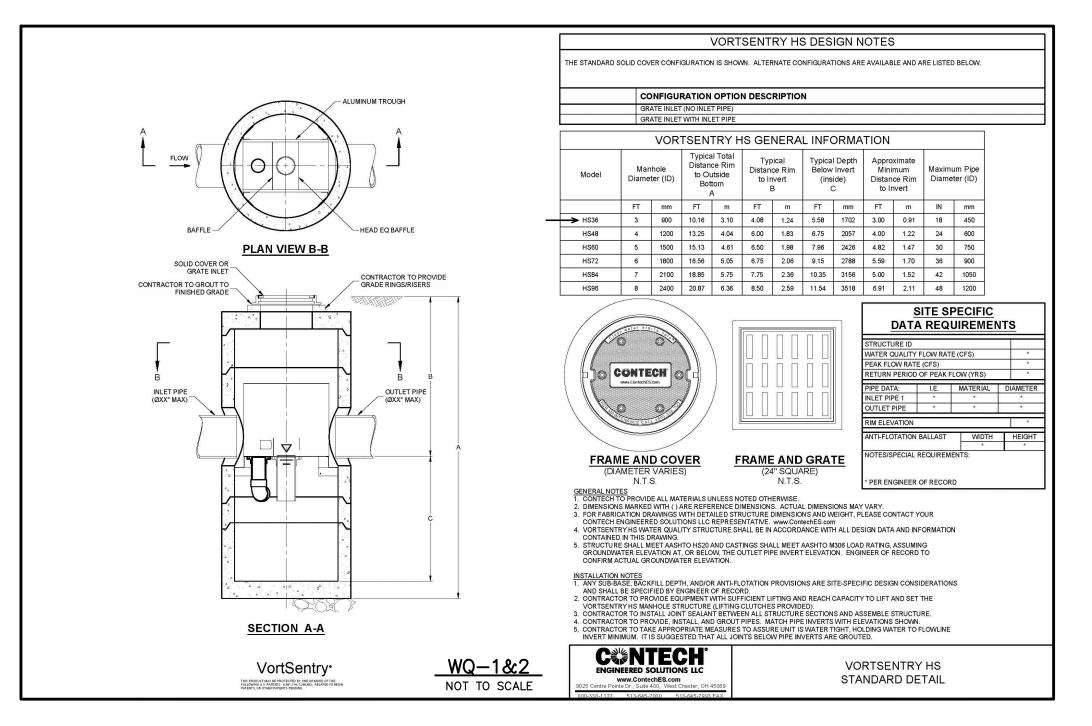












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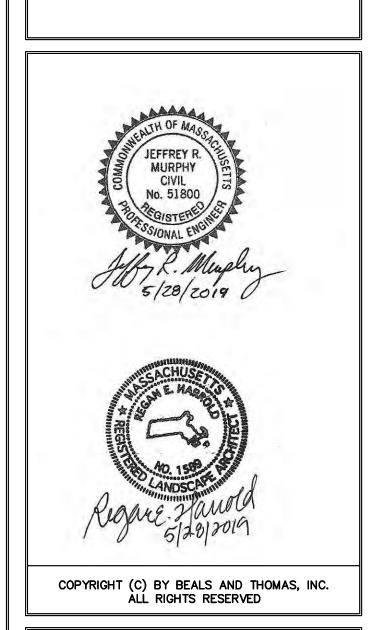
CITY OF WALTHAM

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5 4 3 2 1 05/28/2019 ADDENDUM 3

0 05/03/2019 ISSUED FOR BIDDING
ISSUE DATE DESCRIPTION

DES DWN CHK'D APP'D

PROJECT:

CORNELIA WARREN PARK

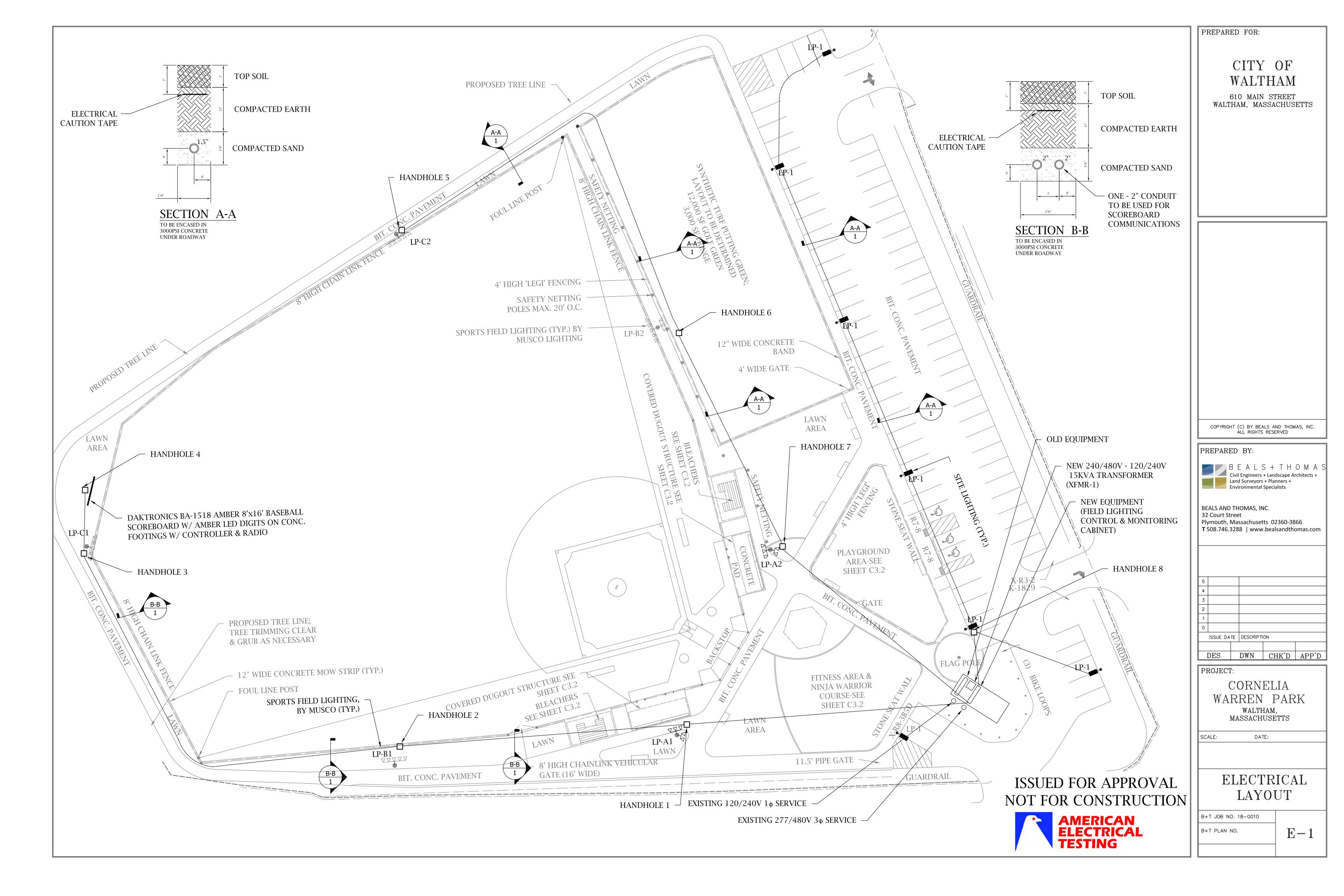
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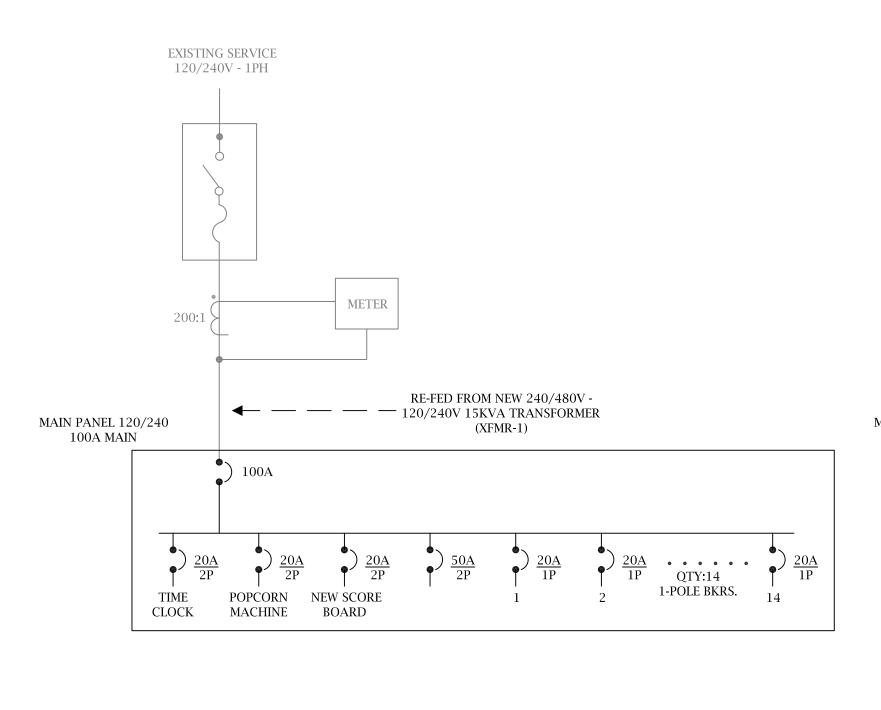
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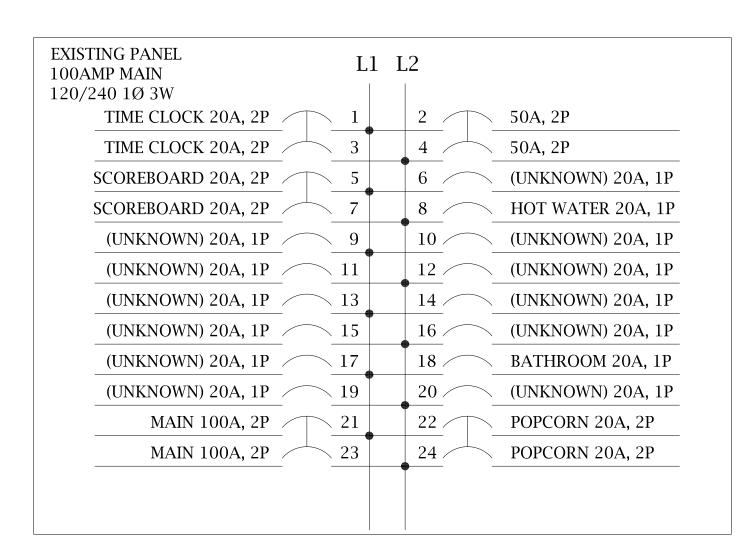
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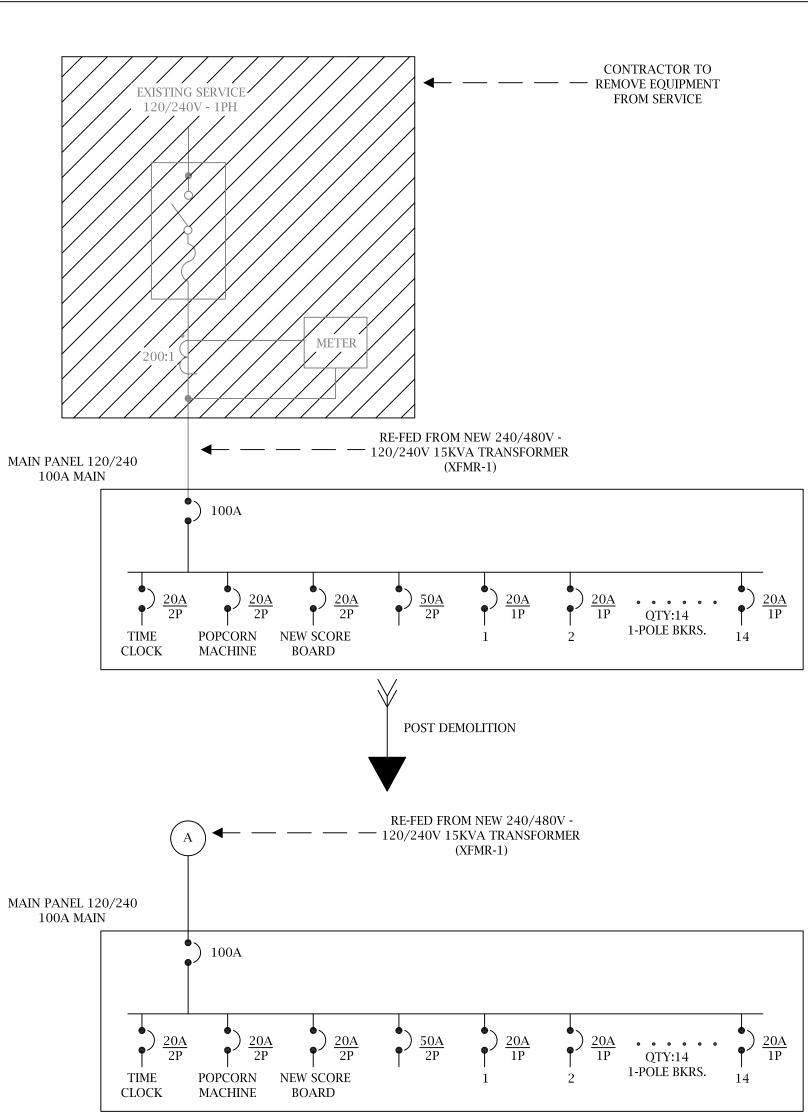
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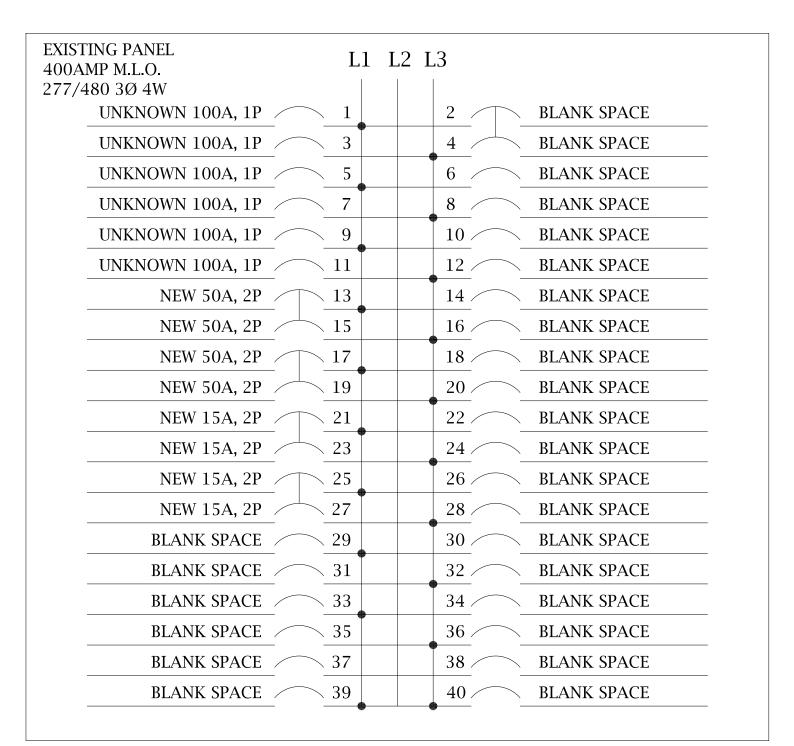




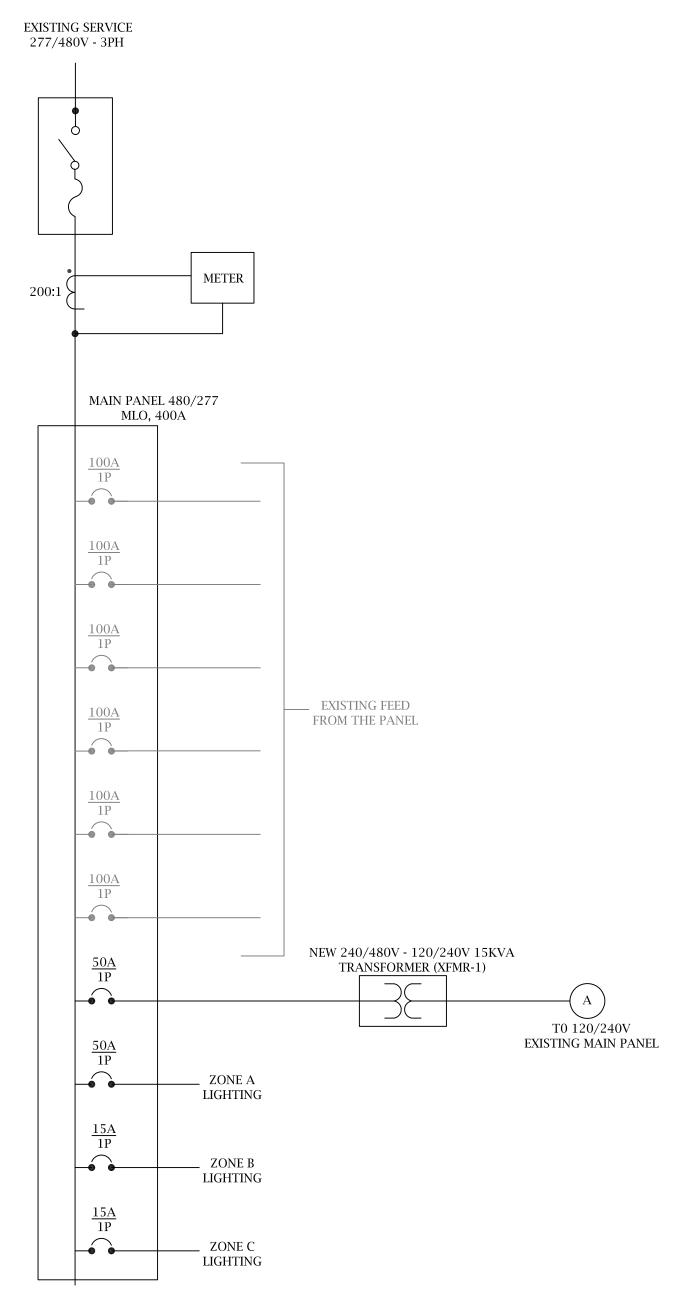


PANEL SCHEDULE





PANEL SCHEDULE



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PREPARED FOR:

CITY OF

WALTHAM

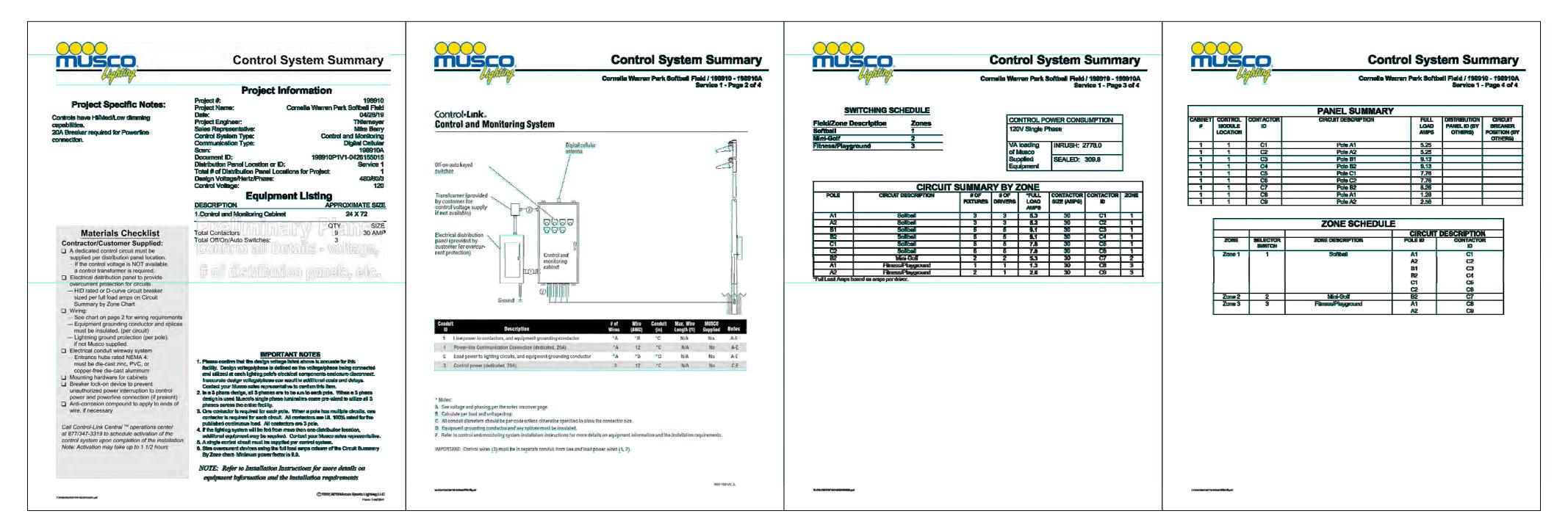
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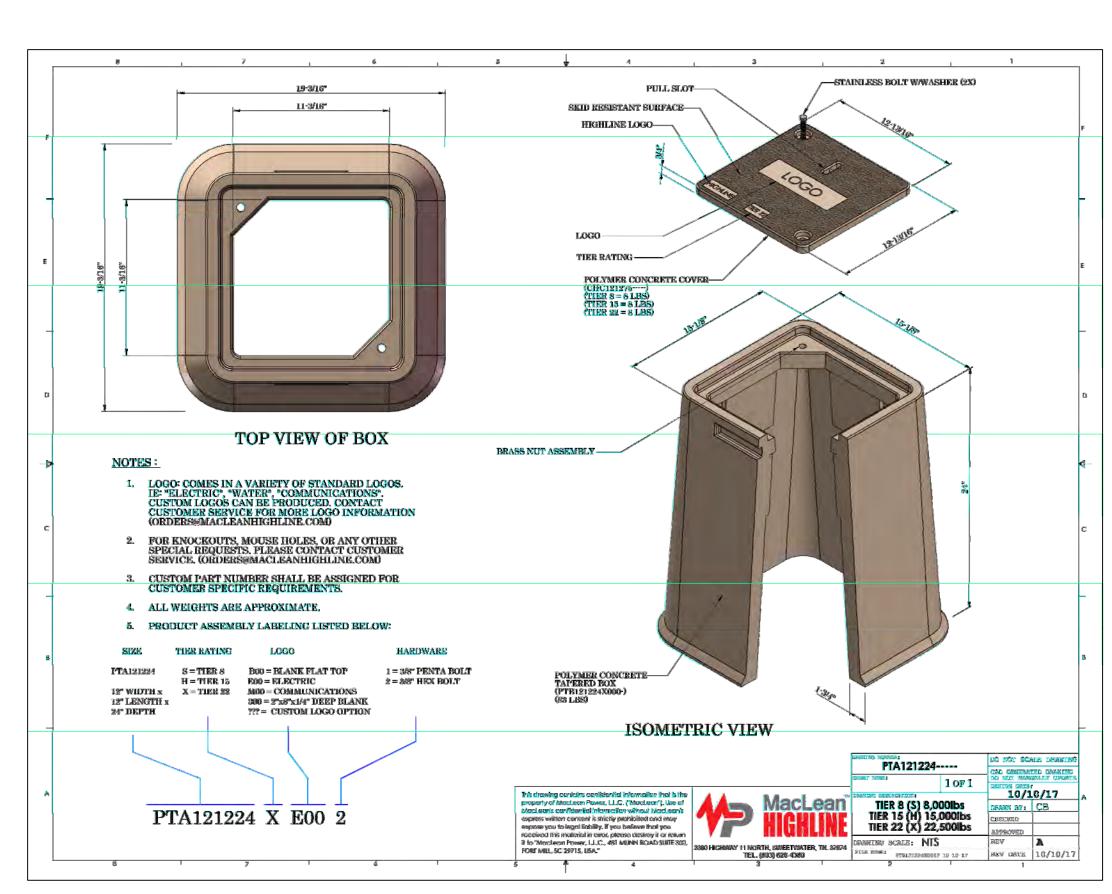
ONE-LINE &
SCHEDULES

B+T JOB NO. 18-0010
B+T PLAN NO.

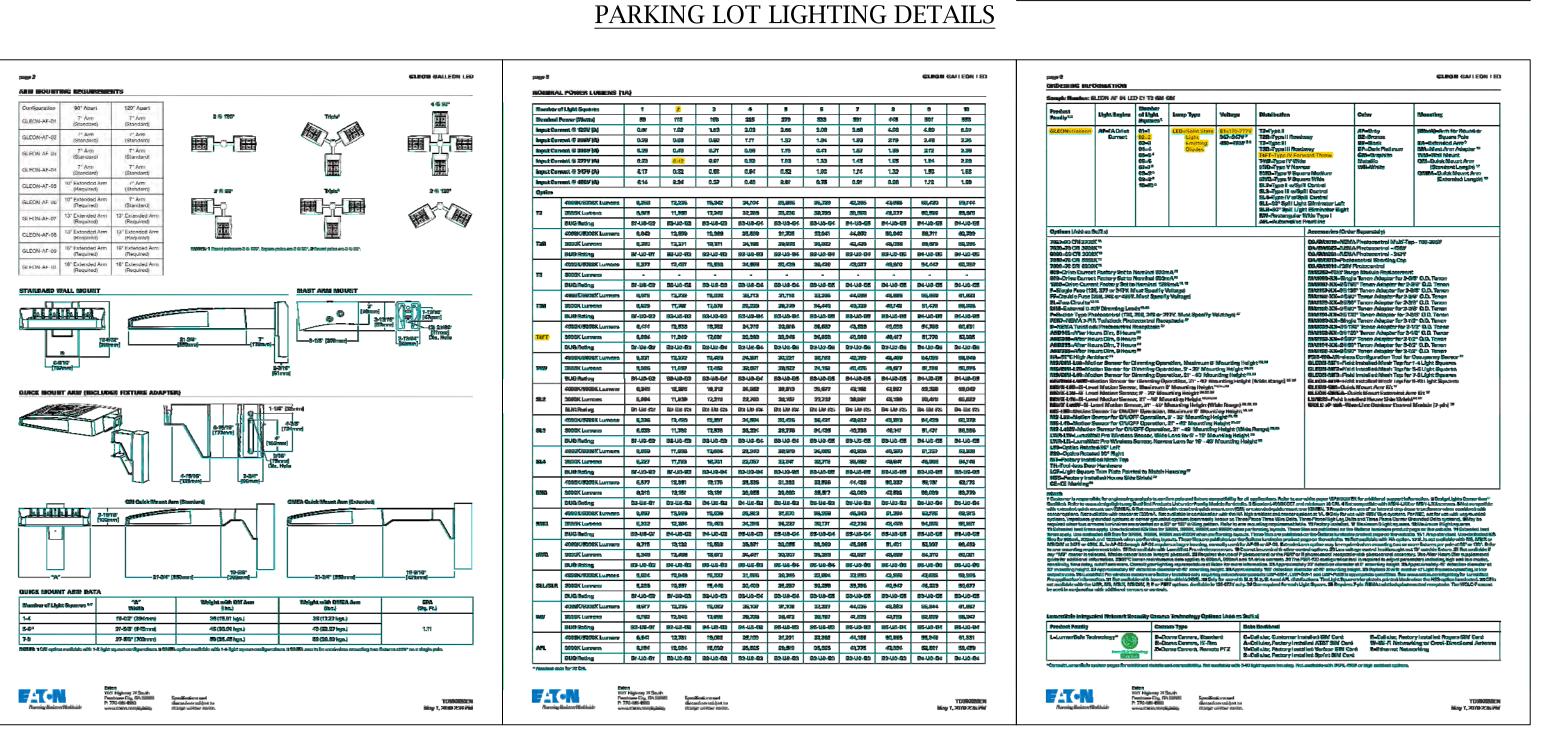
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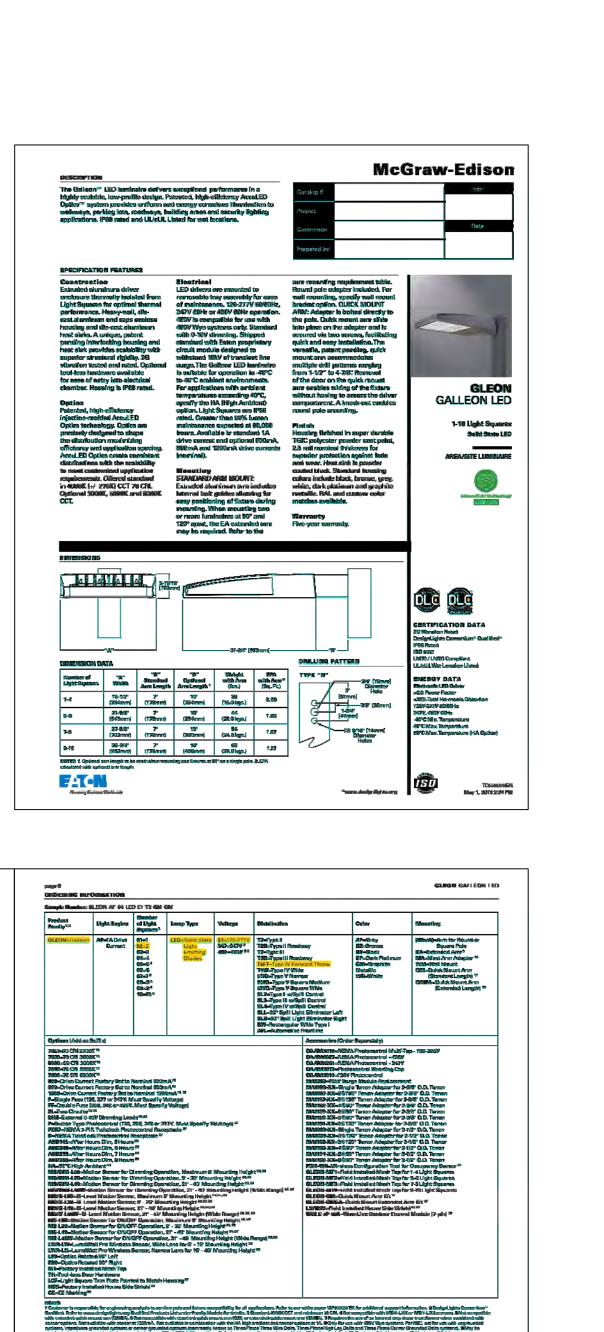


LIGHTING CONTROL PANEL DETAILS



HANDHOLE / PULL BOX 12" X 12" X 24"





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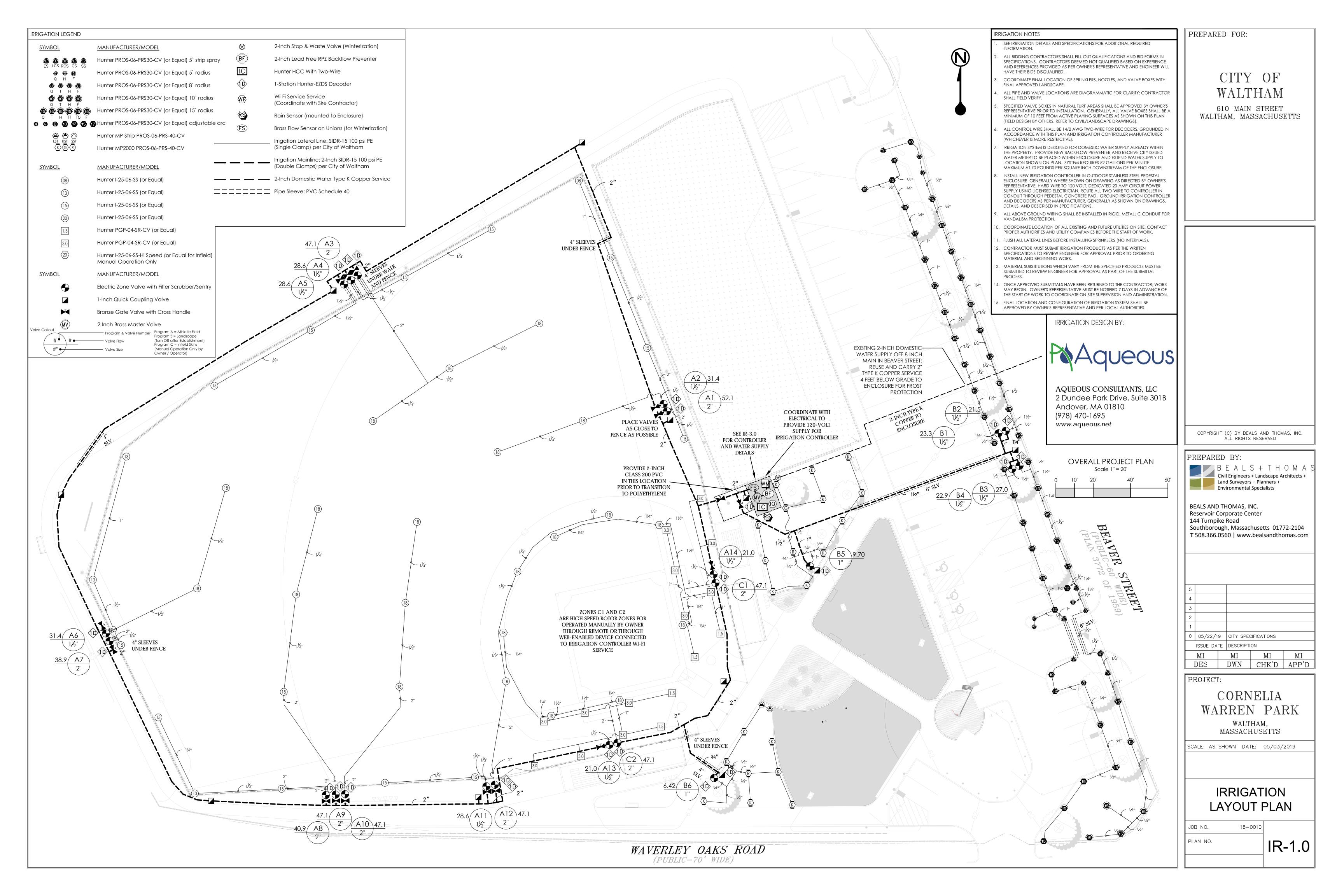
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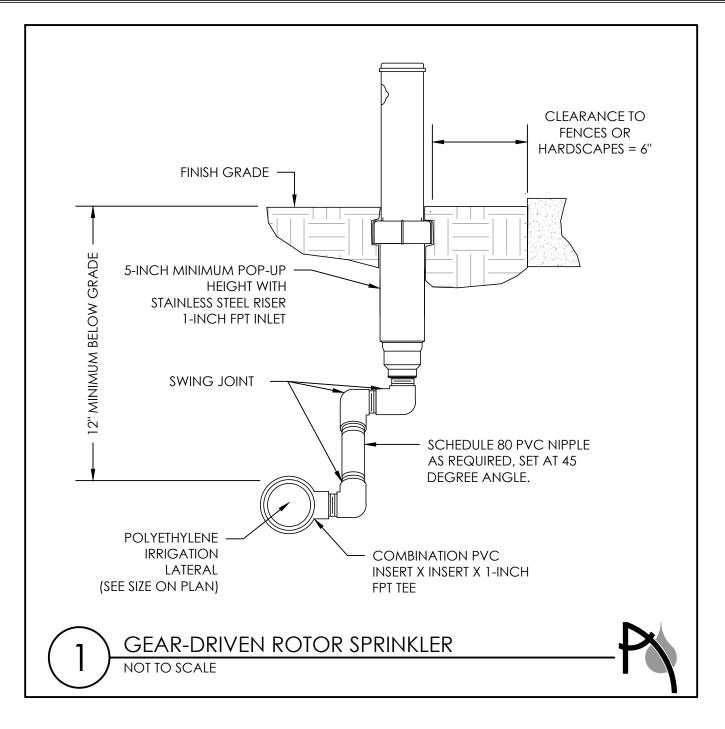
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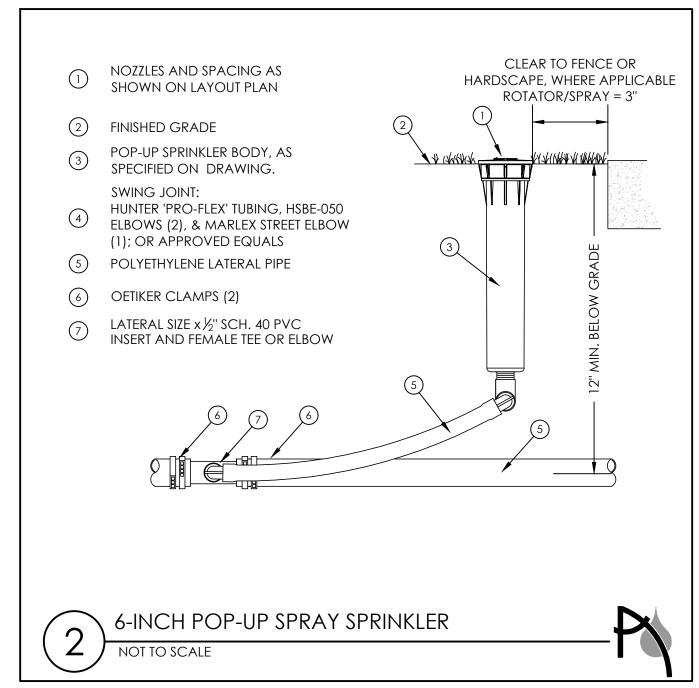
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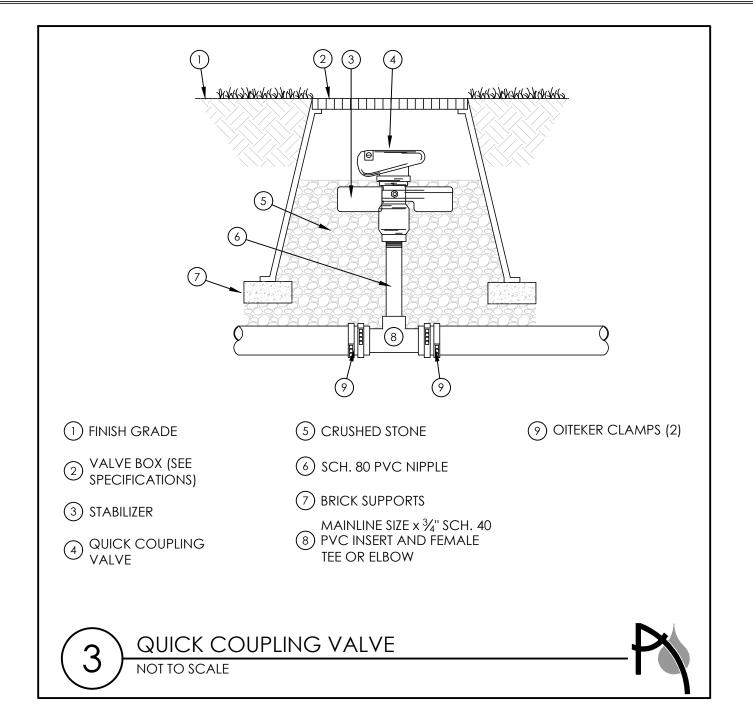
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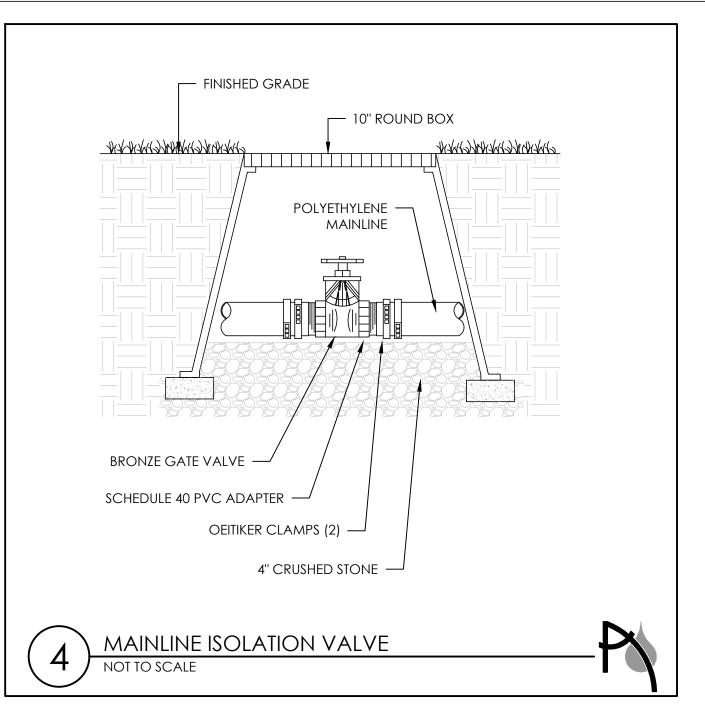
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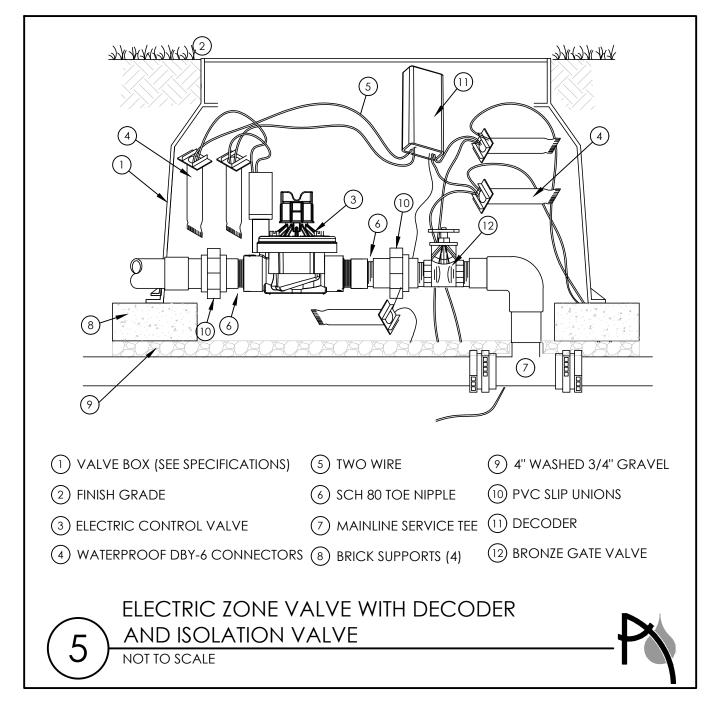


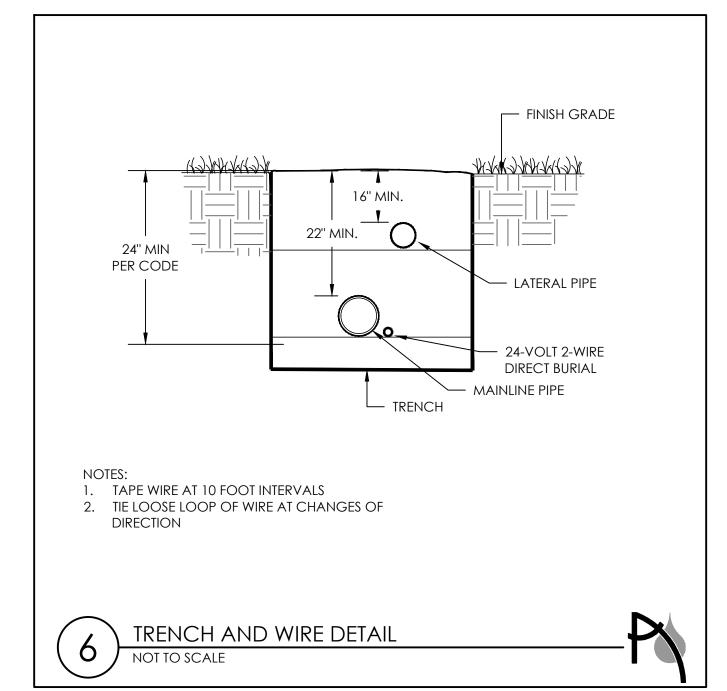


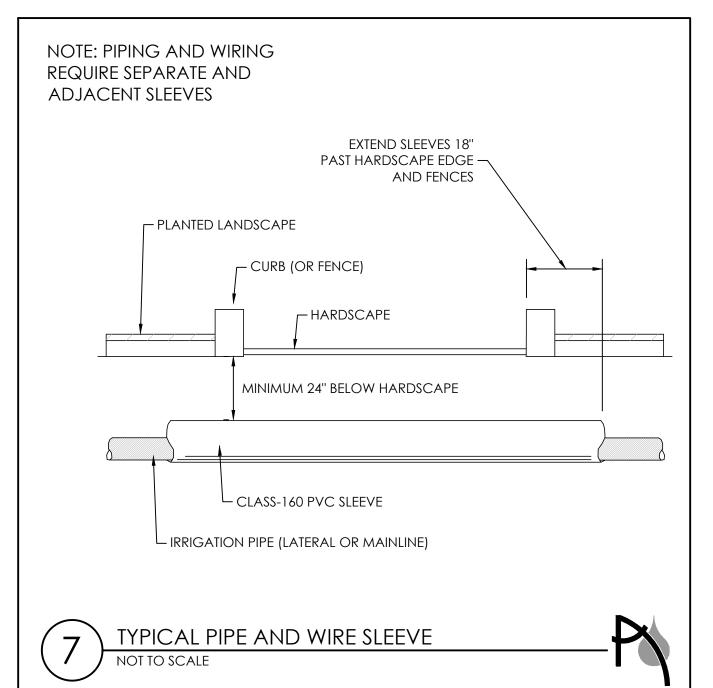


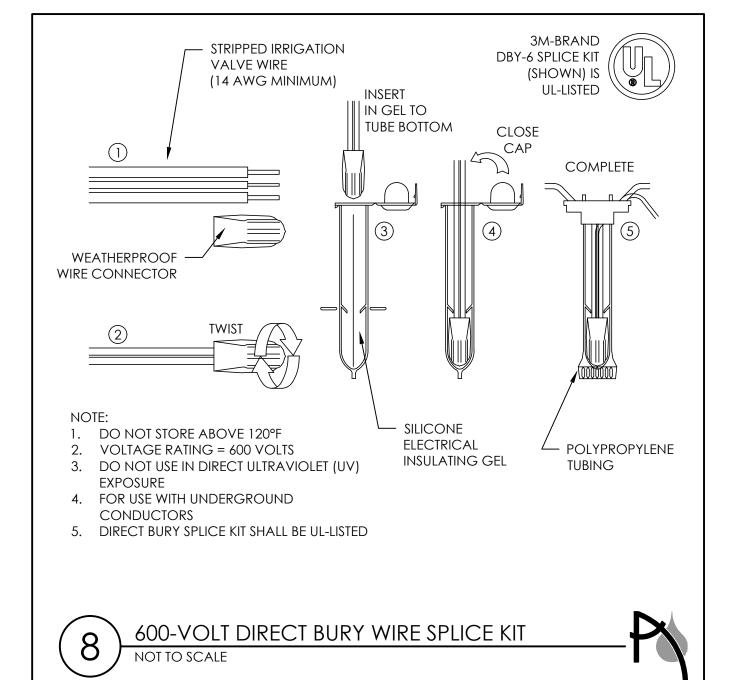


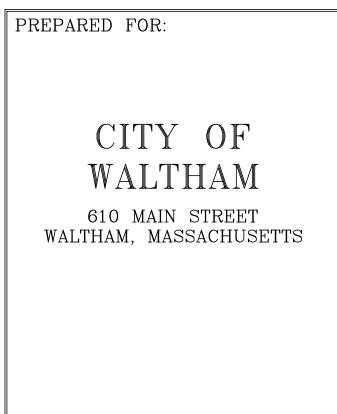


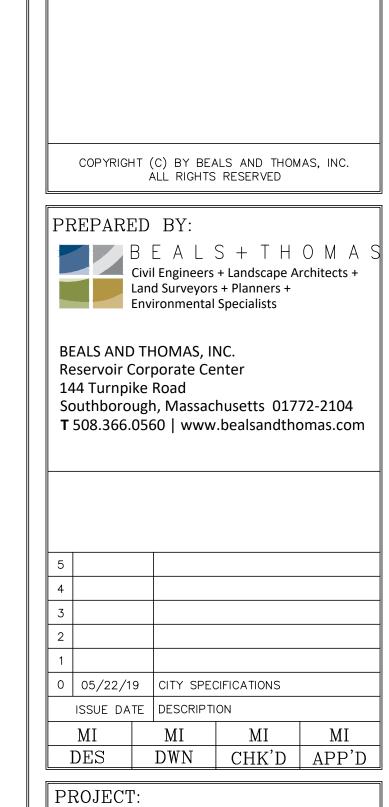












WALTHAM,
MASSACHUSETTS

SCALE: AS SHOWN DATE: 05/03/2019

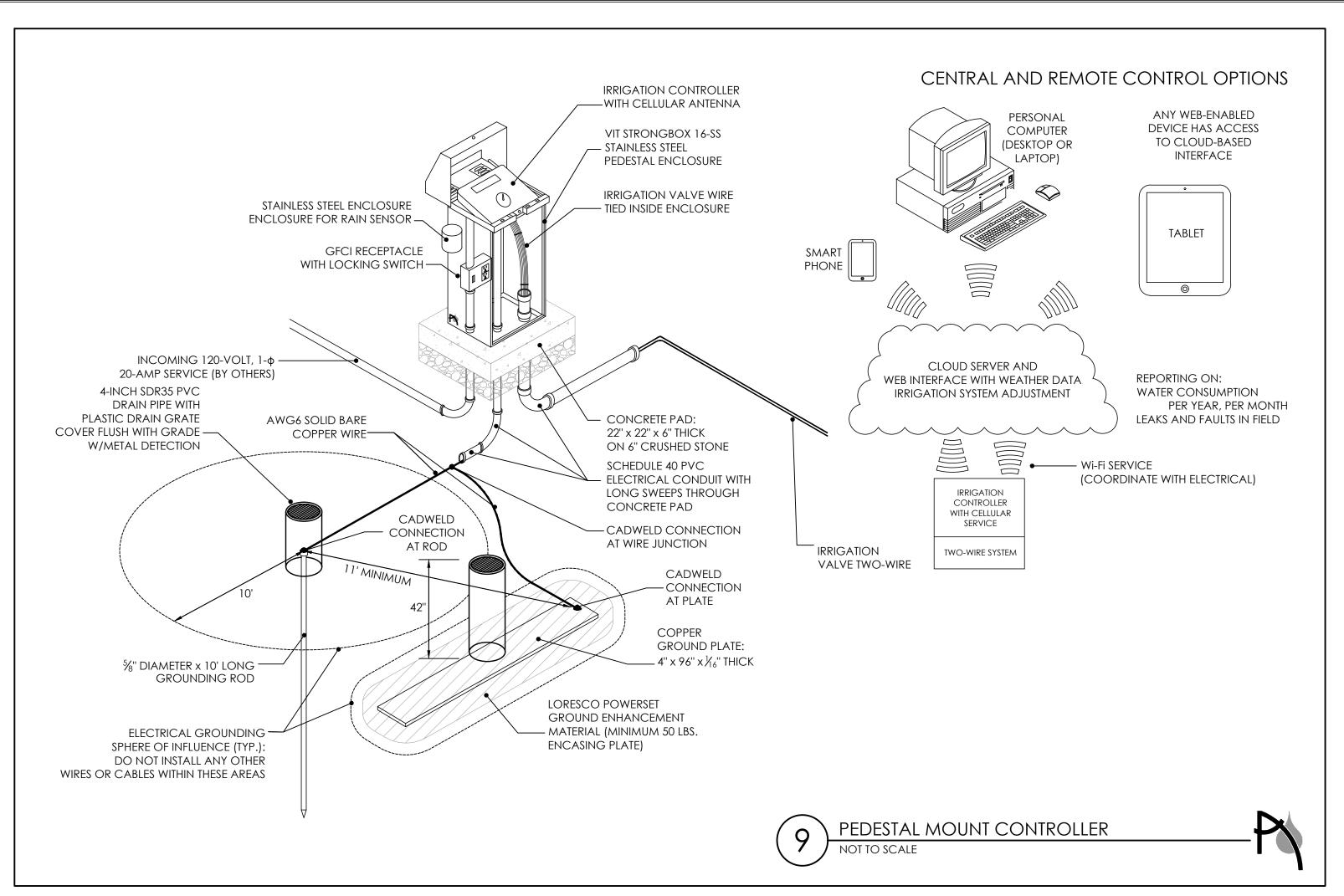
CORNELIA

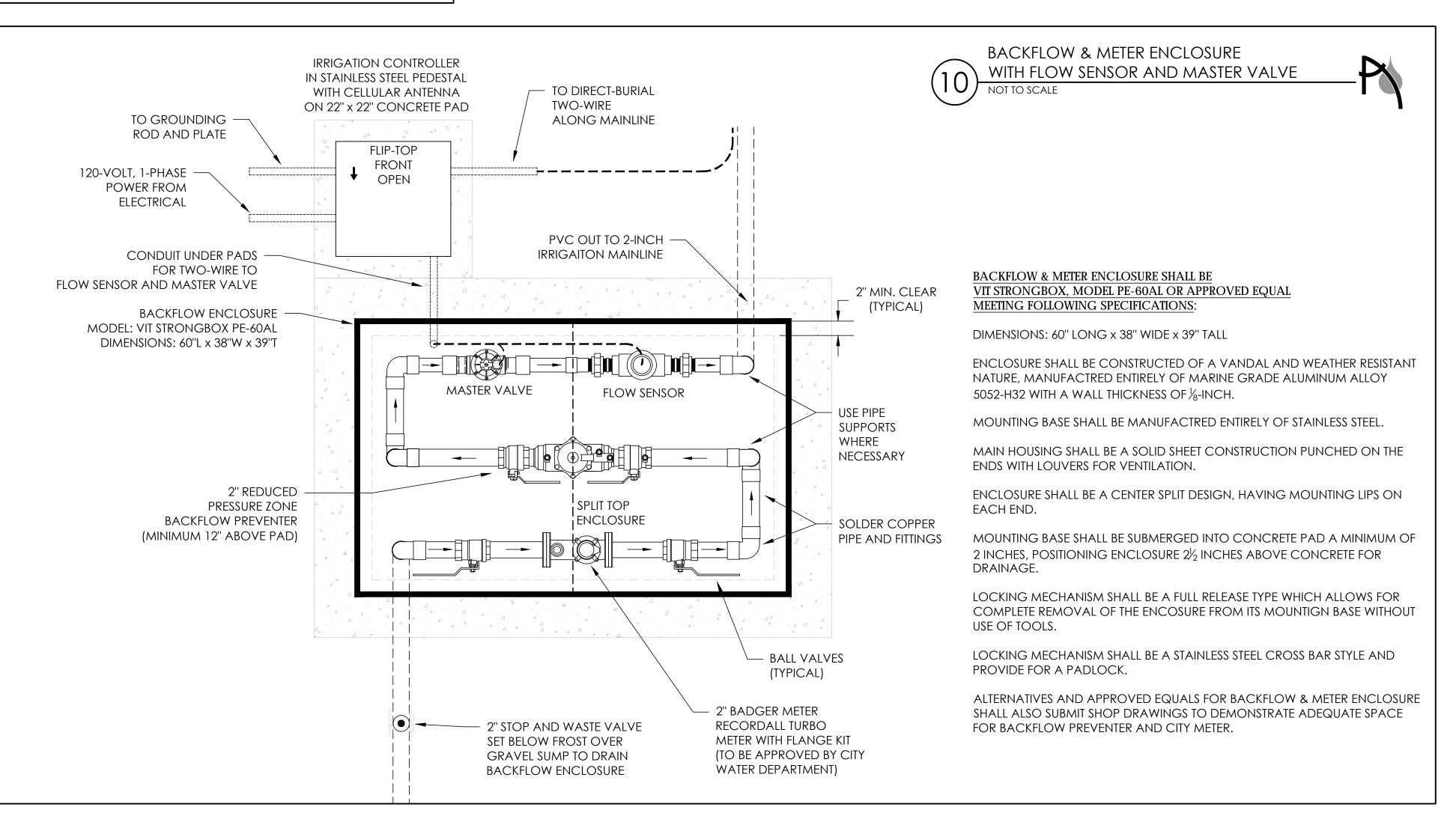
WARREN PARK

IRRIGATION DETAILS

JOB NO. 18-0010

PLAN NO. | IR-2.0





PREPARED FOR:

CITY OF WALTHAM

610 MAIN STREET WALTHAM, MASSACHUSETTS

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PREPARED BY:

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Land Surveyors + Planners +
Environmental Specialists

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0 05/22/19 CITY SPECIFICATIONS ISSUE DATE DESCRIPTION MI MI MI DES DWN CHK'D APP'D

PROJECT:

CORNELIA WARREN PARK

WALTHAM, MASSACHUSETTS

SCALE: AS SHOWN DATE: 05/03/2019

IRRIGATION WATER SUPPLY

JOB NO. 18-0010 PLAN NO.

IR-3.0