

TOWN OF ARLINGTON

IMPROVEMENTS TO THE ARLINGTON RESERVOIR

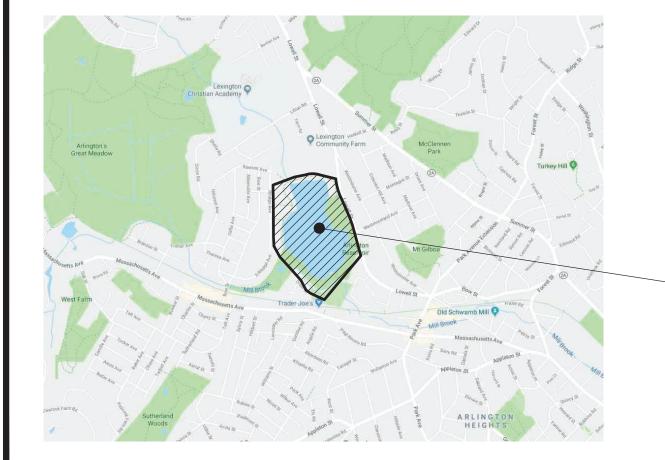


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. PLANTING AT PUMP HOUSE BUILDING

Locus Map



ARLINGTON RESERVOIR

ARLINGTON, MA 02474

210 LOWELL ST,

CONSTRUCTION DOCUMENTS

JANUARY 28, 2019

Prepared By



85 Devonshire St, 3rd Floor, Boston, MA 02109 (617) 412-4480 (800) Sampson www.westonandsampson.com



GENERAL NOTES

- 1. PROPERTY LINES, SITE SURVEY AND TOPOGRAPHICAL INFORMATION ON THE GROUND SURVEYS PERFORMED BY WESTON & SAMPSON IN DECEMBER
- 2. BEARINGS REFER TO THE MASSACHUSETTS NAD 83 STATE PLANE COORDINATE SYSTEM (MAINLAND ZONE)
- 3. ELEVATIONS REFER TO THE 1988 NORTH AMERICAN DATUM (NAVD 88)
- 4. REFER TO THE SURVEY LEGEND FOR GENERAL SYMBOLS. ALL BIDDERS ARE REQUIRED TO INSPECT THE PROJECT SITE IN ITS ENTIRETY PRIOR TO SUBMITTING THEIR BID, AND BECOME FAMILIAR WITH ALL CONDITIONS AS THEY MAY AFFECT THEIR BID. CONTRACTOR AND SUB-CONTRACTOR SHALL BE FAMILIAR WITH ALL DRAWINGS AND SPECIFICATIONS PRIOR TO COMMENCING THE CONSTRUCTION.
- 5. LOCATIONS OF ANY UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF SUCH UTILITIES, PROTECTING ALL EXISTING UTILITIES AND REPAIRING ANY DAMAGE DONE DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ON-SITE COORDINATION WITH UTILITY COMPANIES AND PUBLIC AGENCIES AND FOR OBTAINING ALL REQUIRED PERMITS AND PAYING ALL REQUIRED FEES. IN ACCORDANCE WITH M.G.L. CHAPTER 82. SECTION 40. INCLUDING AMENDMENTS. CONTRACTORS SHALL NOTIFY ALL UTILITY COMPANIES AND GOVERNMENT AGENCIES IN WRITING PRIOR TO EXCAVATION. CONTRACTOR SHALL ALSO CALL "DIG SAFE" AT (888) 344-7233 NO LESS THAN 72 HOURS, (EXCLUSIVE OF WEEKENDS AND HOLIDAYS), PRIOR TO SUCH EXCAVATION. DOCUMENTATION OF REQUESTS SHALL BE PROVIDED TO OWNER'S REPRESENTATIVE PRIOR TO EXCAVATION WORK.
- 6. WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, THE LOCATION, ELEVATION AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR AND THE INFORMATION FURNISHED TO THE ENGINEER FOR RESOLUTION OF THE CONFLICT.
- 7. CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING ALL DRAWINGS AND SPECIFICATIONS TO DETERMINE THE EXTENT OF EXCAVATION AND DEMOLITION REQUIRED TO RECEIVE SITE IMPROVEMENTS.
- 8. ANY DISCREPANCIES OR CONFLICTS BETWEEN THE DRAWINGS AND EXISTING CONDITIONS, EXISTING CONDITIONS TO REMAIN, TEMPORARY CONSTRUCTION AND PERMANENT CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE BEFORE PROCEEDING. ITEMS ENCOUNTERED IN AREAS OF EXCAVATION THAT ARE NOT INDICATED ON THE DRAWINGS, BUT ARE VISIBLE ON SURFACE, SHALL BE THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE REMOVED AT NO ADDITIONAL COST TO THE OWNER.
- 9. ANY ALTERATIONS TO THESE DRAWINGS MADE IN THE FIELD DURING CONSTRUCTION SHALL BE RECORDED BY THE GENERAL CONTRACTOR ON "AS BUILT" DRAWINGS.
- 10. ALL AREAS DISTURBED BY THE CONTRACTOR'S OPERATIONS OUTSIDE THE PROJECT LIMITS, SHALL BE RESTORED TO THE ORIGINAL CONDITION BY THE CONTRACTOR AT NO ADDITIONAL COST AND TO THE SATISFACTION OF THE
- 11. ALL WORK SHOWN ON THE PLANS AS BOLD SHALL REPRESENT PROPOSED WORK. THE TERM "PROPOSED (PROP)" INDICATES WORK TO BE CONSTRUCTED USING NEW MATERIALS.
- 12. ALL KNOWN EXISTING STATE, COUNTY AND TOWN LOCATION LINES AND PRIVATE PROPERTY LINES HAVE BEEN ESTABLISHED FROM AVAILABLE INFORMATION AND ARE INDICATED ON THE PLANS.
- 13. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THEIR EMPLOYEES, AS WELL AS PUBLIC USERS FROM INJURY DURING THE ENTIRE CONSTRUCTION PERIOD USING ALL NECESSARY SAFEGUARDS, INCLUDING BUT NOT LIMITED TO, THE ERECTION OF TEMPORARY WALKS, STRUCTURES, PROTECTIVE BARRIERS, COVERING, OR FENCES AS NEEDED.
- 14. THE CONTRACTOR SHALL SUPPLY THE OWNER WITH THE NAME OF THE OSHA "COMPETENT PERSON" PRIOR TO CONSTRUCTION.
- 15. FILLING OF EXCAVATED AREAS SHALL NOT TAKE PLACE WITHOUT THE PRESENCE OR PERMISSION OF THE OWNER.
- 16. EXISTING TREES TO REMAIN SHALL BE PROTECTED FROM CONSTRUCTION ACTIVITIES. NO STOCKPILING OF MATERIAL, EQUIPMENT OR VEHICULAR TRAFFIC SHALL BE ALLOWED WITHIN THE DRIP LINE OF TREES TO REMAIN. NO GUYS SHALL BE ATTACHED TO ANY TREE TO REMAIN. WHEN NECESSARY OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE, THE OF EXISTING TREES DURING CONSTRUCTION.
- 17. TREES AND SHRUBS WITHIN THE LIMITS OF WORK SHALL BE REMOVED ONLY UPON THE APPROVAL OF THE OWNER'S REPRESENTATIVE OR AS NOTED ON THE PLANS.
- 18. NO FILLING SHALL OCCUR AROUND EXISTING TREES TO REMAIN WITHOUT THE APPROVAL OF THE OWNER OR ENGINEER.
- 19. TREES AND STUMPS SHALL BE REMOVED AND DISPOSED COMPLETE BY CONTRACTOR.
- 20. ALL UNSUITABLE UNCONTAMINATED EXCESS SOIL FROM CONSTRUCTION ACTIVITIES SHALL BE DISPOSED OF BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE TOWN. REMOVAL ACTIVITIES SHALL BE ACCORDANCE WITH STATE AND LOCAL REGULATIONS AT NO ADDITIONAL COST TO THE TOWN.
- 21. CONTRACTOR IS RESPONSIBLE FOR STAKING CONSTRUCTION BASELINES IN FIELD WITH A MA. REGISTERED PROFESSIONAL LAND SURVEYOR. NO CONSTRUCTION WILL BE PERFORMED WITHOUT THE PROPOSED BASELINES AND LAYOUTS APPROVED BY THE OWNER'S REPRESENTATIVE.
- 22. NO FILL SHALL CONTAIN HAZARDOUS MATERIALS.
- 23. CONTRACTOR SHALL PROVIDE TEMPORARY CONSTRUCTION FENCING IN THE LOCATIONS SHOWN ON THE PLANS.
- 24. ANY QUANTITIES SHOWN ON PLANS ARE FOR COMPARATIVE BIDDING PURPOSES ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE PROJECT SITE TO VERIFY ALL QUANTITIES AND CONDITIONS PRIOR TO SUBMITTING BID.
- 25. CONTRACTOR'S STAGING AREA MUST BE IN AREAS APPROVED BY OWNER. ANY OTHER AREAS THAT THE CONTRACTOR MAY WISH TO USE FOR STAGING MUST BE COORDINATED WITH THE OWNER.

- 26. CONTRACTOR SHALL COORDINATE ALL WORK WITH THE OWNER.
- 27. THE LIMIT OF WORK SHALL BE DELINEATED IN THE FIELD PRIOR TO THE START OF SITE CLEARING OR CONSTRUCTION AND AGREED UPON WITH THE 2.
- 28. HAULING OF EARTH MATERIALS TO AND FROM THE SITE SHALL BE RESTRICTED TO THE HOURS OF 7 AM TO 5 PM.
- 29. ANY BOULDERS 3 CY OR SMALLER SHALL BE CONSIDERED UNDOCUMENTED FILL AND SHALL BE DISPOSED OF AT NO ADDITIONAL COST TO THE TOWN.
- 30. WORK ON WEEKENDS SHALL ONLY BE CONDUCTED IF PRIOR WRITTEN PERMISSION IS PROVIDED BY THE TOWN.
- 31. NO TRUCKS LEFT IDLING ON TOWN STREETS DURING CONSTRUCTION. CONSTRUCTION TRAFFIC AT NO TIME SHALL IMPEDE FLOW OF RESIDENT

DESIGN CODE COMPLIANCE:

NATIONAL ELECTRICAL CODE(NFPA70). MASSACHUSETTS BUILDING CODE - 9TH EDITION.. .2015 248 CMR 10, MASSACHUSETTS FUEL GAS AND PLUMBING CODE .2017 527 CMR 12, MASSACHUSETTS ELECTRICAL CODE. .2017 VIRGINIA GRAEME BAKER POOL AND SPA SAFETY ACT. .2008 AMERICAN NATIONAL STANDARDS FOR PUBLIC POOLS - ANSI/NSPI-1..... ...2014 105 CMR 435.00 MASSACHUSETTS MINIMUM STANDARDS FOR SWIMMING POOLS...1998

ENGINEER SEAL:

- 1. THESE DRAWINGS HAVE BEEN PREPARED FOR EXCLUSIVE USE FOR THE CLIENT AND ARE NOT INTENDED FOR ANY OTHER PURPOSE. TO THE BEST OF MY KNOWLEDGE. THESE DRAWINGS MEET THE REQUIREMENTS SET FORTH BY THE MASSACHUSETTS STATE CODES.
- 2. THE FILTRATION AND RECIRCULATION SYSTEM THAT IS INCORPORATED INTO THESE DRAWINGS MUST BE CONSTRUCTED IN STRICT ACCORDANCE WITH THE APPROVED DRAWINGS. ALL CHANGES MUST HAVE WRITTEN APPROVAL FROM WESTON & SAMPSON PRIOR TO SUCH CHANGE OR ALTERATION BEING IMPLEMENTED.
- 3. ONLY DRAWINGS FROM WESTON & SAMPSON THAT ARE MARKED "FOR CONSTRUCTION" AND WITH THE DOH APPROVAL NUMBERS AND APPROVAL DATES AFFIXED SHALL BE USED FOR THE FILTRATION AND RECIRCULATION SYSTEM CONSTRUCTION IMPLEMENTATION.
- 4. THE ENGINEER SEAL AFFIXED TO THESE DRAWINGS IS LIMITED TO HYDRAULICS.
- 5. CONTRACTOR IS RESPONSIBLE FOR STAMPING BACKWASH TANKS BY A MASSACHUSETTS PROFESSIONAL ENGINEER.

GENERAL START UP REQUIREMENTS:

- CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE BALANCING OF THE WATER, AND STARTING UP THE EQUIPMENT, UNTIL FORMAL ACCEPTANCE
- 2. CONTRACTOR SHALL PROVIDE DETAIL INSTRUCTIONS ON OPERATING THE EQUIPMENT, AND SHALL VIDEO TAPE THE ENTIRE TRAINING SESSION AND PROVIDE PERMANENT SIGNAGE ON VALVE, FILTER, AND SYSTEM

COORDINATION NOTES:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF THE FOLLOWING ISSUES WITH THE GENERAL CONTRACTOR;

- CONNECT ALL METALLIC ITEMS FOUND WITHIN THE BOUNDS OF THE EQUIPMENT BOND. INTO THE EQUIPOTENTIAL BOND.
- CONFIGURE PUMP, BACKWASH PUMP, CONTROLS, UV, AND ALL LINE VOLTAGE WITH ELECTRICAL CONTRACTOR.

PIPING INSTALLATION REQUIREMENTS:

- 1. ALL PIPING SHALL BE SCHEDULE 80 PVC UNLESS NOTED OTHERWISE. ALL PIPING SHALL BE STAMPED WITH THE MANUFACTURER'S MARKING THAT IT IS APPROVED FOR USE WITH POTABLE WATER (NSF-PW). PLASTIC PIPE EXPOSED TO SUNLIGHT SHALL BE COATED WITH EPOXY PAINT FOR UV
- 2. THE PIPING DIAGRAMS AND SIZES SHOWN IN THESE DRAWINGS SHALL BE FOLLOWED WITHOUT EXCEPTION UNLESS WRITTEN AUTHORIZATION FROM THIS ENGINEER IS PROVIDED.
- CONTRACTOR SHALL ERECT TEMPORARY BARRIERS FOR THE PROTECTION 3. THE PIPING SYSTEMS INDICATED IN THESE DRAWINGS ARE SHOWN IN A DIAGRAMMATIC VIEW ONLY. THE CONTRACTOR SHALL PROVIDE ALL PIPING AND FITTINGS REQUIRED FOR THE COMPLETE INSTALLATION.
 - 4. THE CONTRACTOR SHALL PROVIDE AND COMPLY WITH ALL PIPING INSPECTIONS THAT MAY BE REQUIRED BY ENGINEER AND OWNER.
 - 5. THE CONTRACTOR SHALL PROVIDE PIPE HANGER DETAILS TO THE ENGINEER FOR WRITTEN APPROVAL PRIOR TO THE INSTALLATION.
 - 9. PIPING PRESSURE TESTING SHALL BE COORDINATED BY THE SWIMMING AREA CONTRACTOR AND SHALL BE INCLUDED IN THE COST. THE ENGINEER SHALL BE ONSITE DURING PRESSURE TESTING. ALL PIPING SHALL CONFORM TO ACCEPTED WORKMANSHIP STANDARDS AND SHALL BE TESTED AS FOLLOWS:
 - ALL PIPING MUST BE TESTED BY MEANS OF WATER PRESSURE.
 - ii. GRAVITY PIPING SHALL BE TESTED TO 10 PSI.
 - iii. GRAVITY PIPING SHALL BE DEFINED AS DRAINAGE PIPING OR SENSING PIPING, OR ANY PIPING WHICH SHALL NOT HAVE FLOW VELOCITIES THAT EXCEED 3 FEET PER SECOND.
 - iv. PRESSURE PIPING SHALL BE TESTED TO 50 PSI.
 - v. PRESSURE PIPING SHALL BE DEFINED AS PUMP SUCTION PIPING, AND ANY PIPING AFTER THE PUMP DISCHARGE, OR ANY PIPING WHICH WILL HAVE FLOW VELOCITIES EXCEEDING 3 FEET PER SECOND.
 - 10. EXTEND ALL PIPING TO ITS SPECIFIC FILTRATION SYSTEM. DO NOT CONNECT THE PIPING TO THE FILTRATION SYSTEM UNTIL THE PRESSURE-TEST IS COMPLETED, APPROVED, AND REMOVED FROM THE PIPING.

1. CONTRACTOR: PERSON OR ENTITY AUTHORIZED TO CONSTRUCT, INSTALL

AND OPERATE A COMMERCIAL POOL AND THEIR APPURTENANCES, AND MAINTAIN PROPER LICENSES TO DO SO.

- CRITICAL: THIS WORD DESCRIBES DIMENSIONS THAT SHALL NOT BE SUBJECT TO DEVIATION OR ERRORS FOR ANY REASON. VIOLATION OF A CRITICAL DIMENSION MIGHT SUBJECT THE FOUNTAIN TO A POTENTIAL VARIANCE ACTION OR A PERMANENT WITHHOLDING OF A FUTURE OPERATING CERTIFICATE. WESTON & SAMPSON CONSIDERS ALL DIMENSIONS CONTAINED WITH THE DRAWINGS AS VITAL; HOWEVER, THE WORD CRITICAL IS ADDED TO ATTRACT THE ATTENTION OF THE CONTRACTOR.
- PROVIDE: OBTAIN, PURCHASE, SUPPLY, INSTALL AND WARRANTY COMPLETELY IN ACCORDANCE WITH ALL CODES, RULES, REGULATIONS AND THE REQUIREMENTS OF THE DRAWINGS AND TECHNICAL SPECIFICATIONS.

ABBREVIATIONS

ASBESTOS CEMENT PIPE ACCMP ASPHALT COATED ACORRUGATED METAL PIPE AIR RELEASE VALVE ASTM AMERICAN SOCIETY FOR TESTING AND MATERIALS **BITUMINOUS CONCRETE** BITUMINOUS BLDG BUILDING BENCH MARK **BLOW OFF** BUTTERFLY VALVE CABLE TELEVISION CATCH BASIN CONCRETE CURB CAST IRON CENTERLINE CEMENT LINED CMP CORRUGATED METAL PIPE CONC CONCRETE CU FT CUBIC FEET **CUBIC YARD** STORM DRAIN DROP INLET, DUCTILE IRON DIAMETER DRAIN MANHOLE DWG DRAWING EACH EACH FACE **ELEV ELEVATION** EOP **EDGE OF PAVEMENT** EW **EACH WAY EXIST EXISTING** FLG FLANGE FEET, FOOT NATURAL GAS GRANITE GALV GALVANIZED HOUSE CONNECTION **GRANITE CURB** HORIZONTAL HIGH PRESSURE FIRE HYDRANT INVERT **INSIDE DIAMETER IRON PIPE** POUND LINEAR FEET LUMP SUM MAXIMUM MAIL BOX MECHANICAL

HORIZ HYD MAX **MECH** MANHOLE MINIMUM MISC **MISCELLANEOUS** MECHANICAL JOINT NORTH NORTH EAST NORTH WEST NOT FOUND NO OR # NUMBER **OUTSIDE DIAMETER** PRESTRESSED CONCRETE PCCP PLAIN END, POLYETHYLENE

PROPERTY LINE PLATE PVC POLYVINYL CHLORIDE **PVMT** PAVEMENT **RCP** REINFORCED CONCRETE PIPE ROW RIGHT-OF-WAY **RQD ROCK QUALITY**

SEWER SOUTH EAST SECT SECTION SQUARE FEET SHT SHEET SPEC **SPECIFICATIONS** SQ FT SQUARE FEET SS SEWER SERVICE STA STATION

STL STEEL SIDEWALK, SOUTH WEST SW HYDROSTATIC THRUST.

TELEPHONE TEMPORARY BENCH MARK ΤH **THRESHOLD** THK THICK (NESS) TYP **TYPICAL UTILITY POLE** VC VITRIFIED CLAY **VERT** VERTICAL WATER, WEST

WITHOUT

W/O

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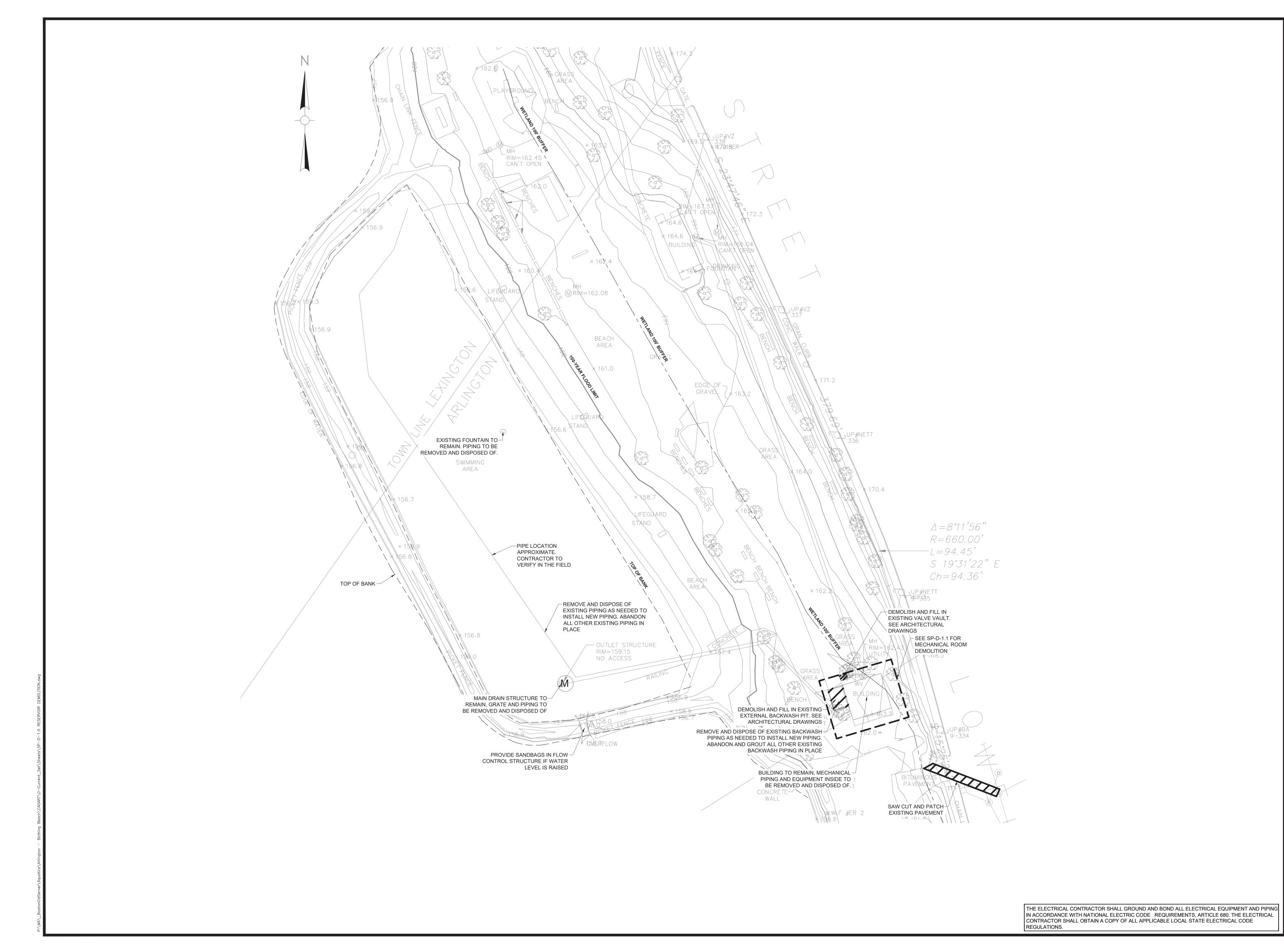
GENERAL NOTES

THE ELECTRICAL CONTRACTOR SHALL GROUND AND BOND ALL ELECTRICAL EQUIPMENT AND PIPING IN ACCORDANCE WITH NATIONAL ELECTRIC CODE REQUIREMENTS, ARTICLE 680. THE ELECTRICAL CONTRACTOR SHALL OBTAIN A COPY OF ALL APPLICABLE LOCAL STATE ELECTRICAL CODE

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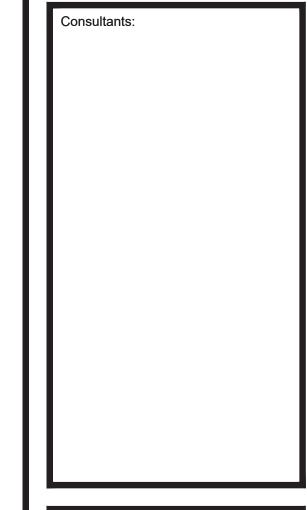
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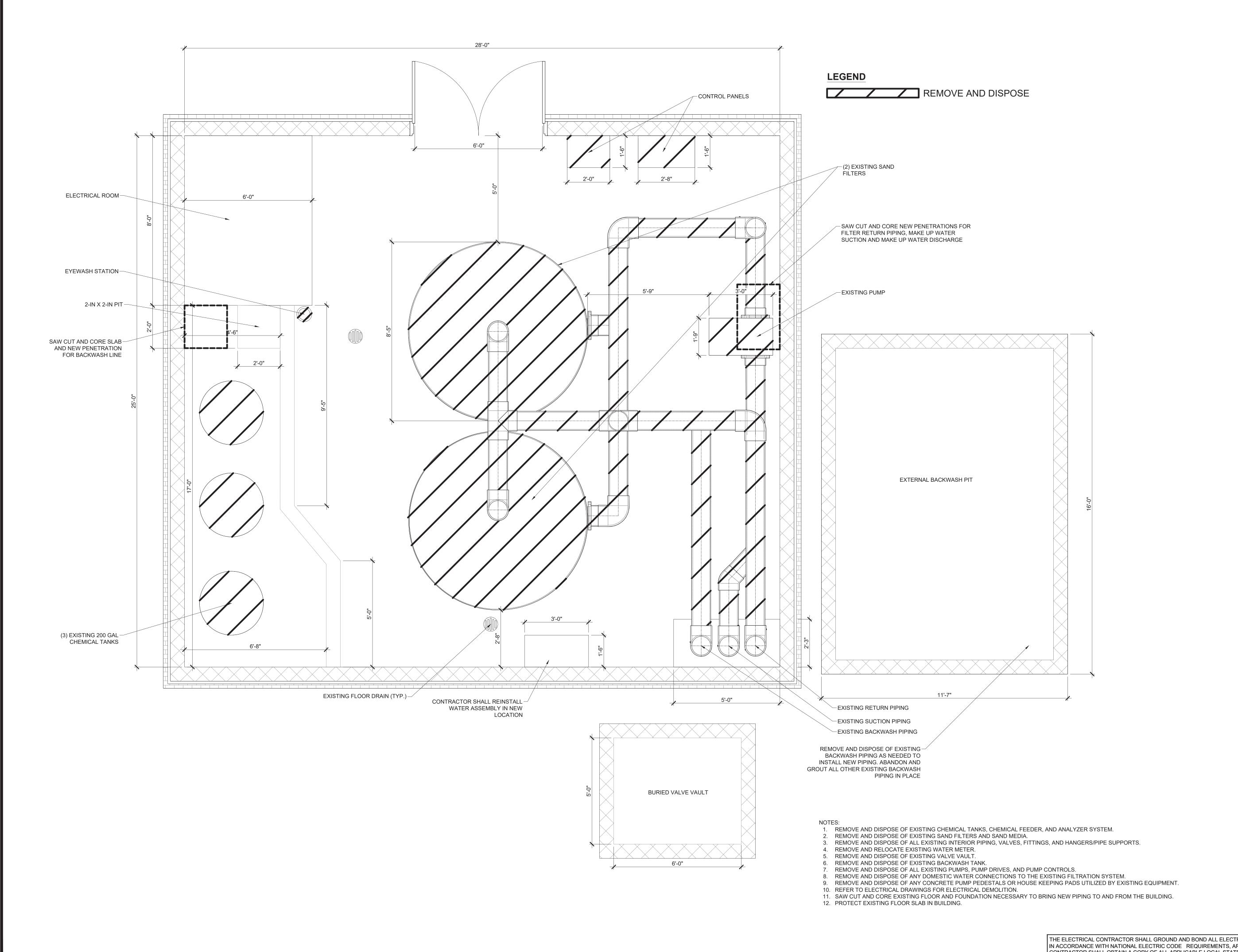
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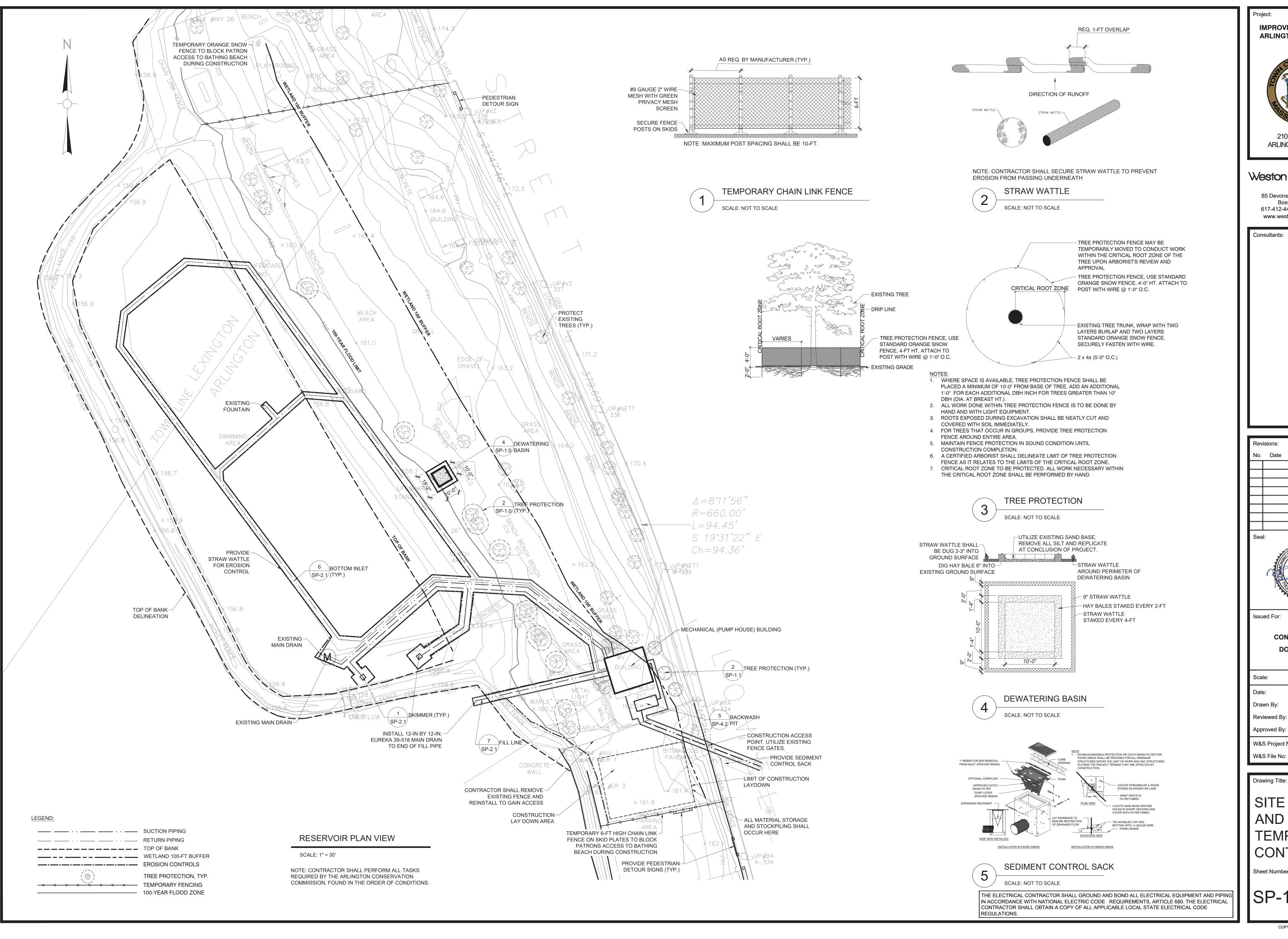
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MECHANICAL ROOM DEMOLITION



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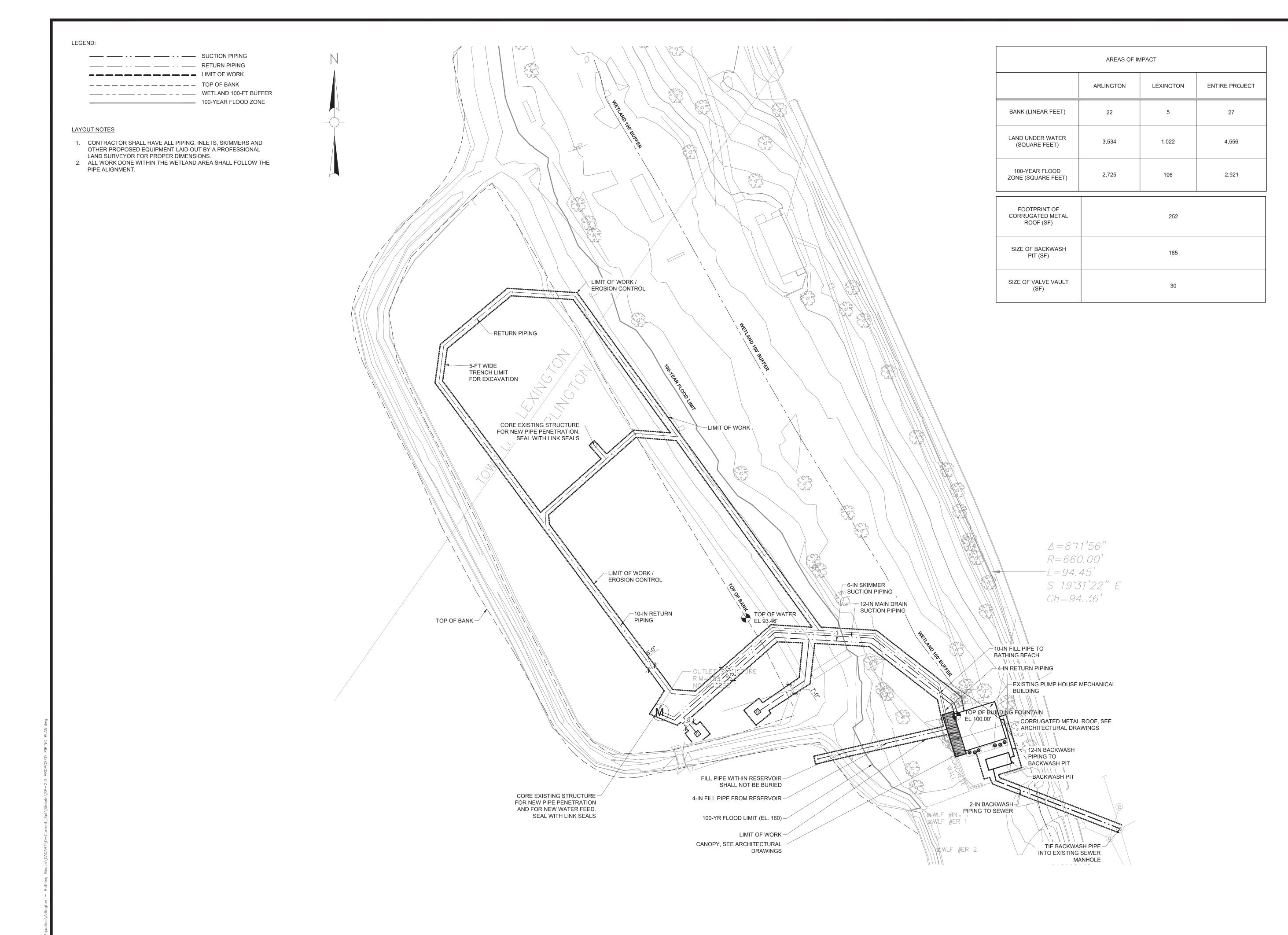
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SITE LAYOUT AND **TEMPORARY** CONTROLS



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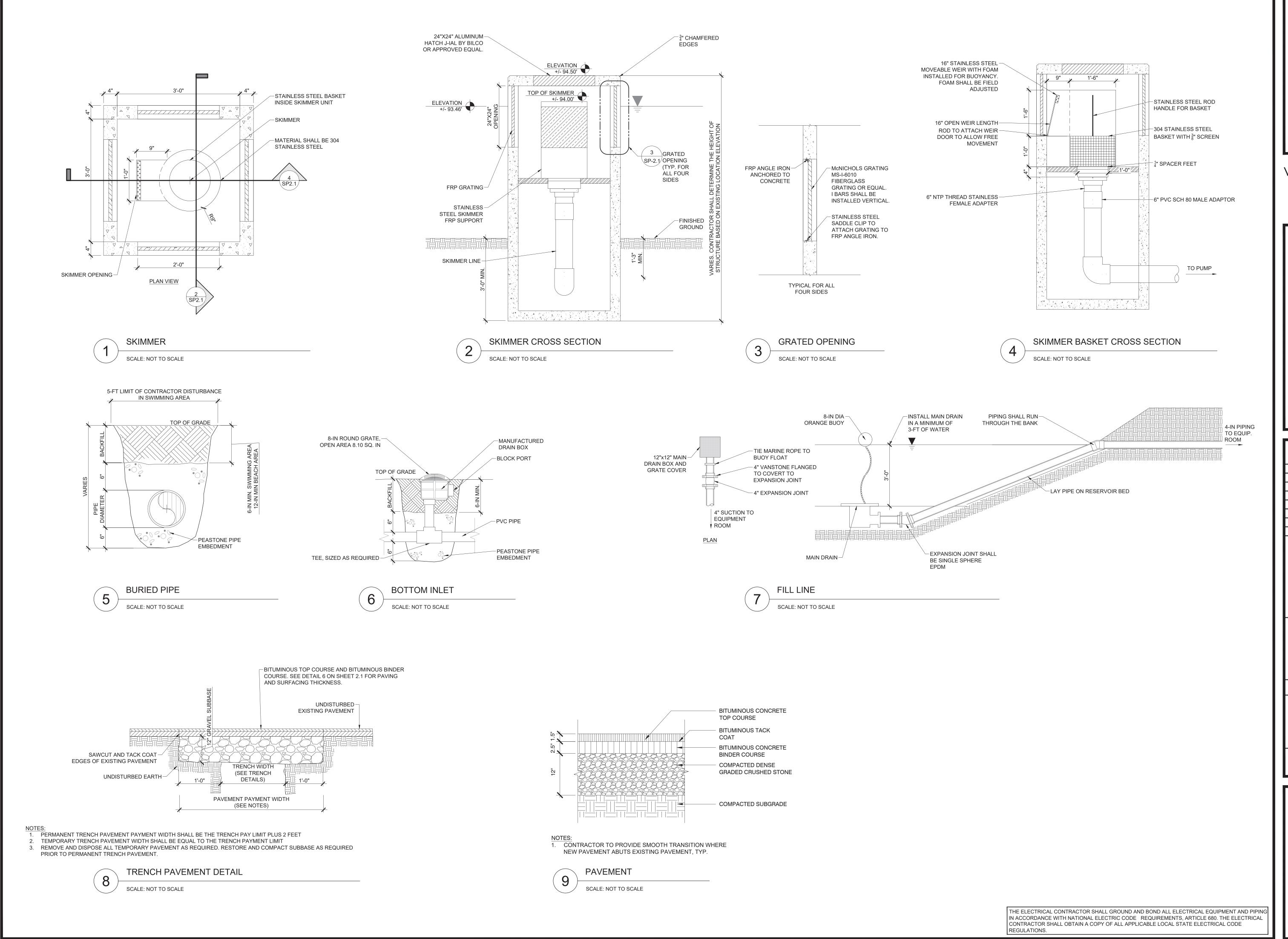
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PROPOSED PIPING PLAN



BD SITE

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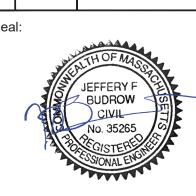
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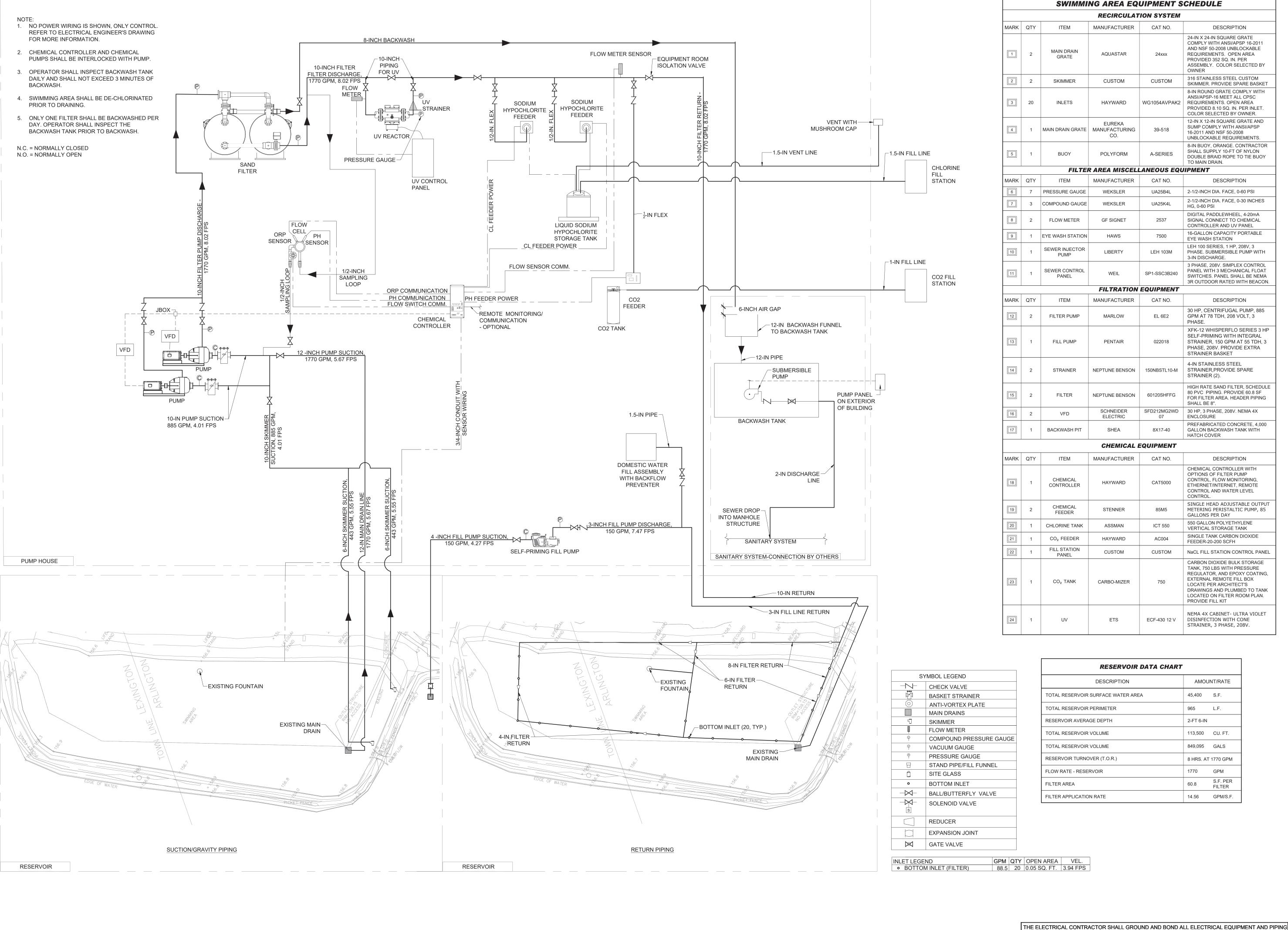
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PROPOSED PIPING / SITE DETAILS

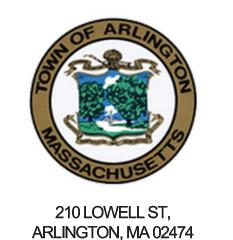
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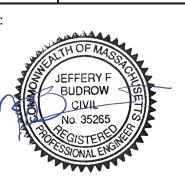


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Reviewed By: SMB

Approved By: JFB

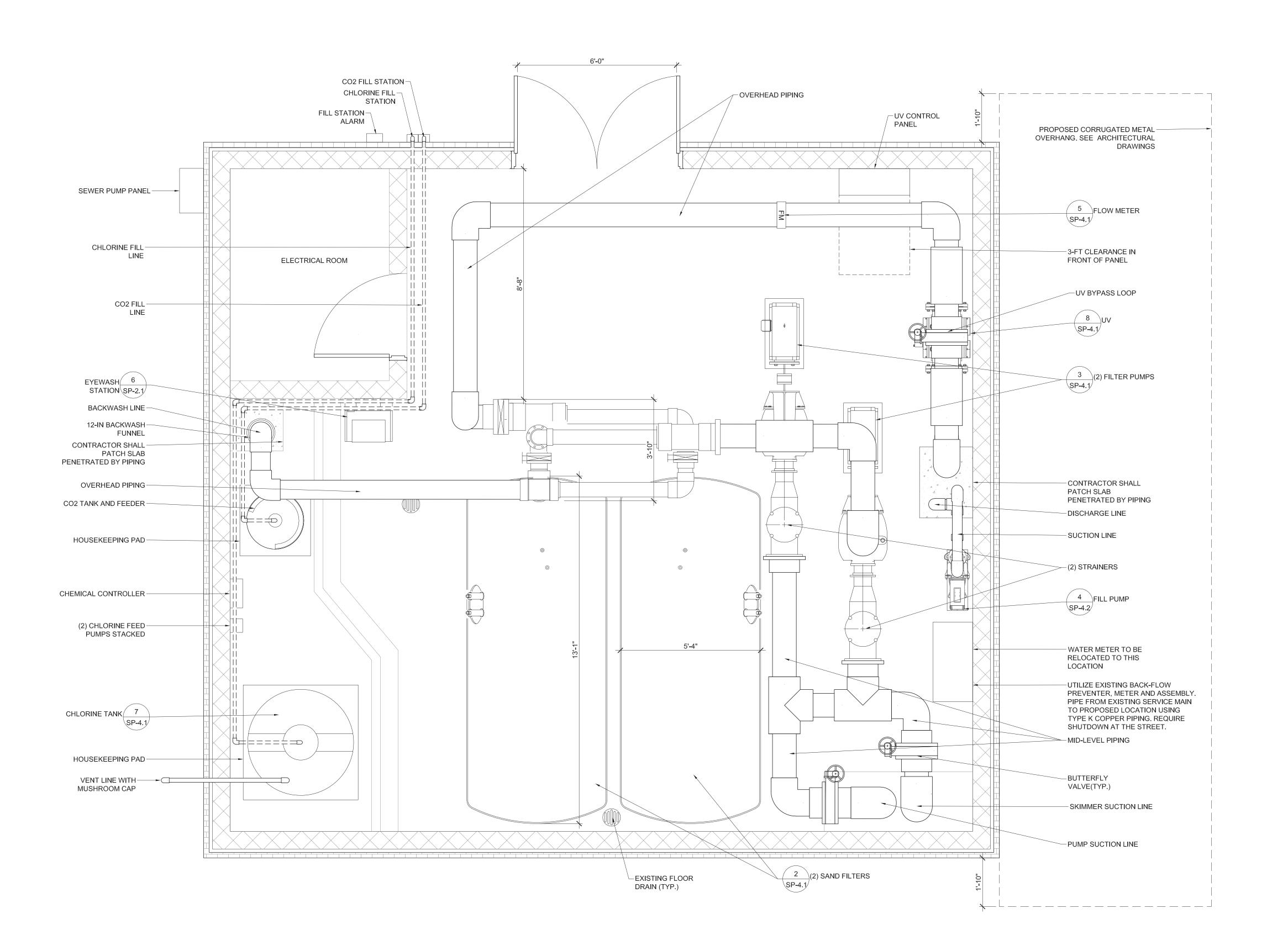
W&S Project No: 2180615

PIPING
SCHEMATIC

Sheet Number:

W&S File No:

SP-3.0



Project:

IMPROVEMENTS TO THE

ARLINGTON RESERVOIR



210 LOWELL ST, ARLINGTON, MA 02474

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Consultants:

Revisions:

No. Date Description

JEFFERY F
BUDROW
CIVIL
No. 35265

Issued For:

CONSTRUCTION DOCUMENTS

 Scale:
 1/2"=1'-0"

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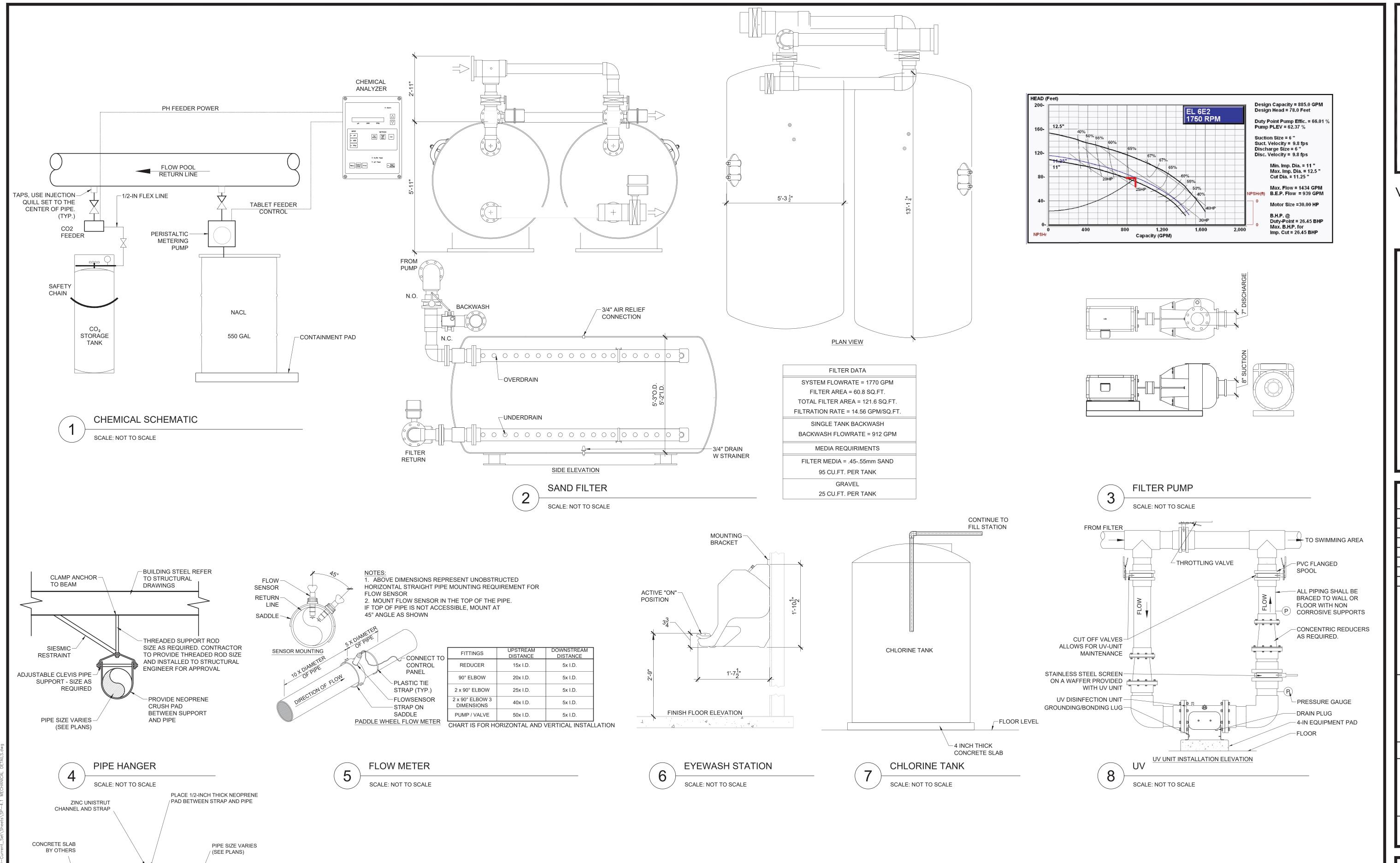
MECHANICAL

ROOM

RENOVATIONS

Sheet Number: SP-4.0

THE ELECTRICAL CONTRACTOR SHALL GROUND AND BOND ALL ELECTRICAL EQUIPMENT AND PIPING IN ACCORDANCE WITH NATIONAL ELECTRIC CODE REQUIREMENTS, ARTICLE 680. THE ELECTRICAL CONTRACTOR SHALL OBTAIN A COPY OF ALL APPLICABLE LOCAL STATE ELECTRICAL CODE REGULATIONS.



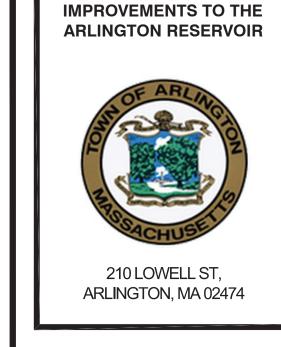
UNISTRUT CHANNEL

SCALE: NOT TO SCALE

DRILL AND EPOXY ANCHOR BOLTS - SIZE

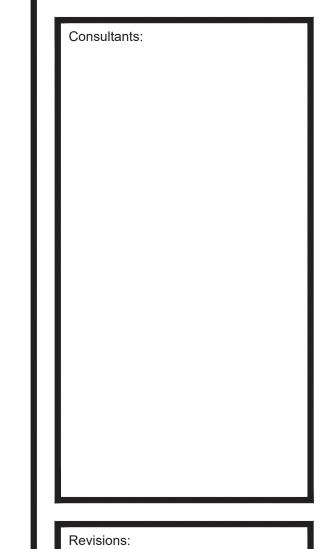
AS REQUIRED- 2 PER CHANNEL MINIMUM PER MANUFACTURER

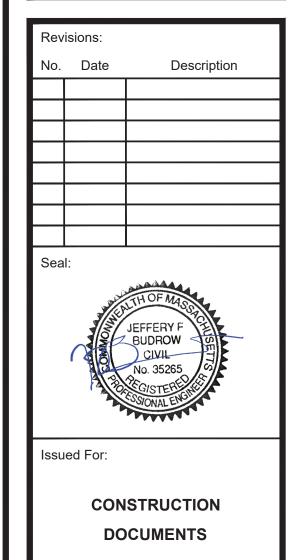
WALL AND FLOOR SUPPORTS



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MECHANICAL ROOM DETAILS

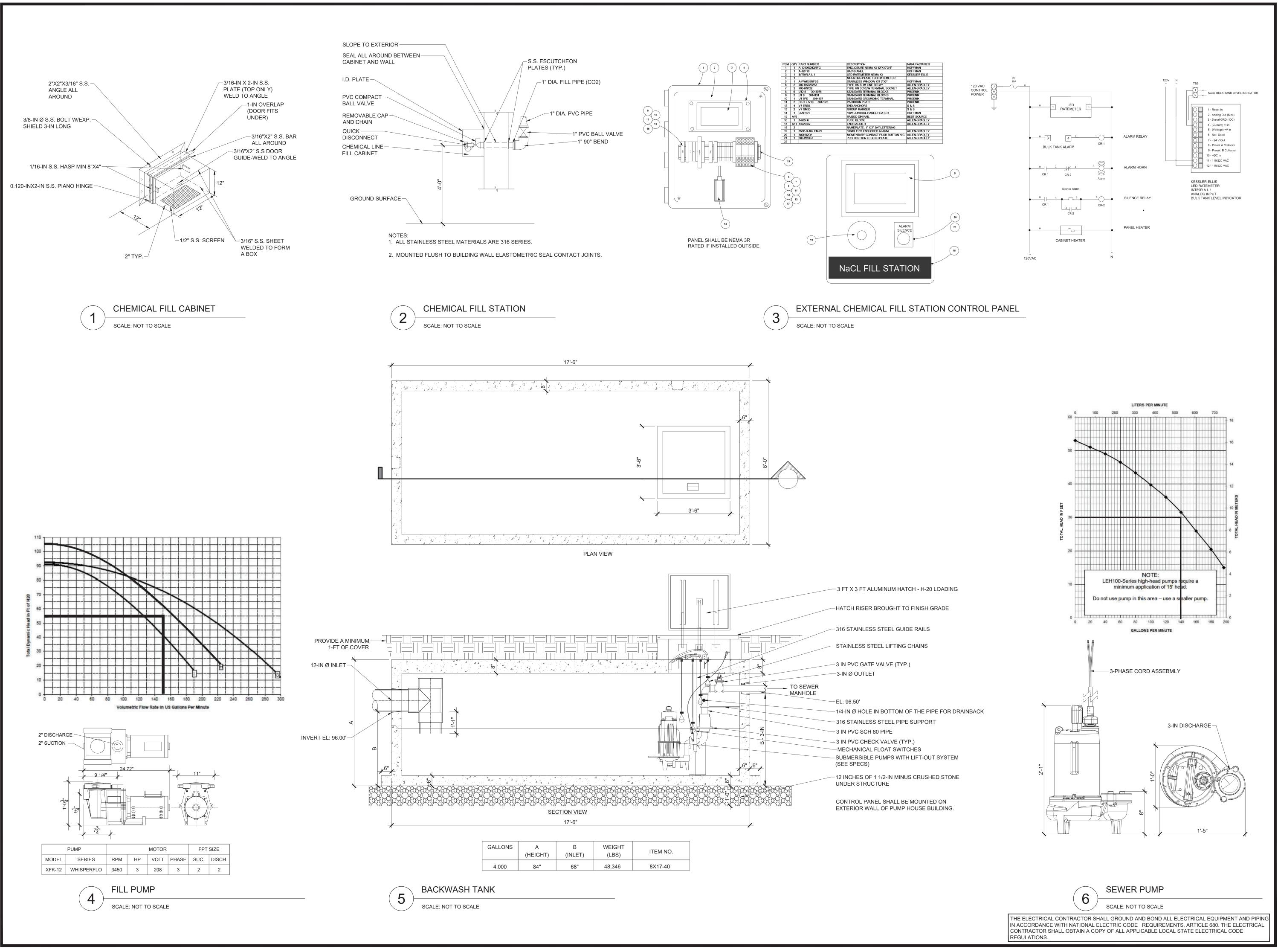
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SP-4.1



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MECHANICAL ROOM DETAILS (CONT.)

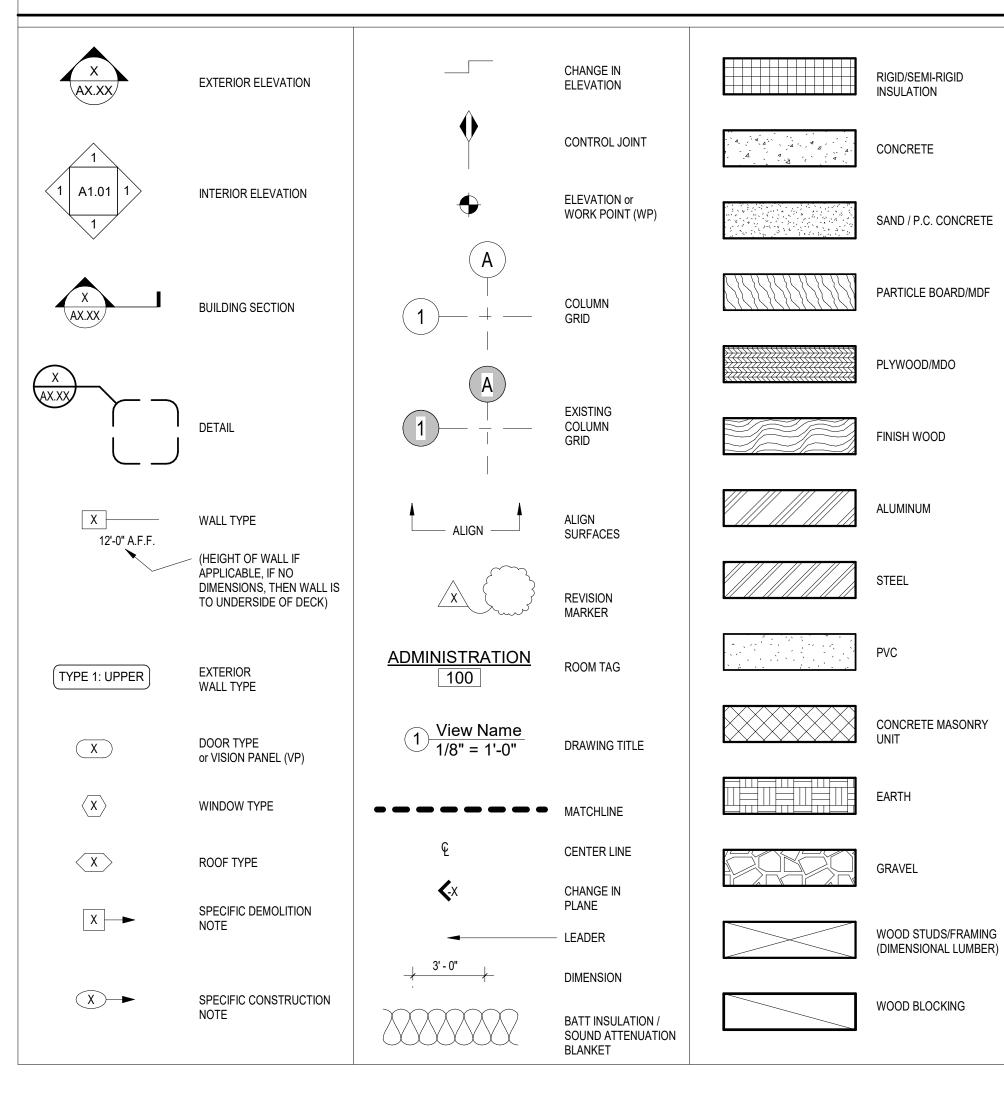
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ABBRE\/IATIONIC

| BBR | EVIATIONS: | | | | | | |
|----------------|--|--------------|---|---------------|--|----------------|---|
| A | AID CONDITION | F | FIDE ALADM | | A MANAGEMENT | 000 | ODEOLA |
| A/C AC | AIR CONDITION ACOUSTICAL | FA FAAP | FIRE ALARM FIRE ALARM ANNUNCIATOR PANEL | MIN MIR | MINIMUM MIRROR | SPC SPEC | SPECIAL SPECIFICATION |
| ACT | ACOUSTICAL CEILING TILE | FACP | FIRE ALARM CONTROL PANEL | MISC | MISCELLANEOUS | SQ | SQUARE |
| ADJ | ADJACENT | FAK | FIRST AID KIT | ML | MATCH LINE | SR | SHEET RUBBER |
| AFF ALT | ABOVE FINISH FLOOR ALTERNATE | FB FC | FIRE BLANKET FILE CABINET | MLDG MO | MOULDING MASONRY OPENING | SS STD | STAINLESS STEEL STANDARD |
| ALUM | ALUMINUM | FD | FLOOR DRAIN | MOD | MODULAR | STL | STEEL |
| ANC BLT | ANCHOR BOLT | FE | FIRE EXTINGUISHER | MR | MOISTURE RESISTANT | STOR | STORAGE |
| ANOD APPROX | ANODIZED APPROXIMATE | FEC FF | FIRE EXTINGUISHER CABINET FINISH FLOOR | MRGB | MOISTURE RESISTANT GYPSUM BOARD | STRUCT SUSP | STRUCTURE or STRUCTURAL SUSPENDED or SUSPENSION |
| ARCH | ARCHITECT | FFE | FINISH FLOOR ELEVATION | MS | METAL STUD | SV | SHEET VINYL |
| ARGB | ABUSE RESISTANT GYPSUM BOARD | FG | FIBERGLASS FINISH | MTD MTL | MOUNTED METAL | SYS | SYSTEM(S) |
| ASPH AVB | ASPHALT AIR VAPOR BARRIER | FIN FLASH | FLASHING | MTP | METAL TOILET PARTITION | Т | |
| | | FLR | FLOOR | | | T & B | TOP AND BOTTOM |
| B BC | BASE CABINET | FLUOR FOC | FLUORESCENT FACE OF CONCRETE | N N/A | NOT APPLICABLE | T & G TB | TONGUE AND GROOVE TRASH BARREL |
| BD | BOARD | FOF | FACE OF FINISH | NAT | NATURAL | TBA | TO BE ABANDONED |
| BF | BRACE FRAME | FOM | FACE OF MASONRY | NIC | NOT IN CONTRACT | TBB | TILE BACKER BOARD |
| BITUM BLDG | BITUMINOUS BUILDING | FOS FOUND | FACE OF STUD FOUNDATION | NO NOM | NUMBER NOMINAL | TBD TBOC | TO BE DETERMINED TOP BACK OF CURB |
| BLK | BLOCK | FP | FIREPROOF(ING) | NTS | NOT TO SCALE | TEL | TELEPHONE |
| BLKG | BLOCKING | FR FRP | FIRE RETARDANT FIBERGLASS REINFORCED WALL | NUM NW | NUMBER NEW | TEMP | TEMPORARY |
| BM BOF | BENCH MARK BOTTOM OF FOOTING | FRP | PANEL | INVV | INEVV | THK THRESH | THICK(NESS) THRESHOLD |
| BOS | BOTTOM OF STEEL | FRTW | FIRE RETARDANT TREATED WOOD | 0 | | TOC | TOP OF CONCRETE |
| BOTT | BOTTOM BEARING BLATE | FSB FT | FILED SUB BID FEET | OA OC | OVERALL ON CENTER | TOF | TOP OF LANDING |
| BPL BRG | BEARING PLATE BEARING | FTG | FOOTING | OD | OUTSIDE DIAMETER | TOL TOP | TOP OF LANDING TOP OF PLATE |
| BRK | BRICK | FUR | FURRING | OH | OVERHEAD DOOR | TOS | TOP OF STEEL |
| BS BSMT | BRICK SHELF BASEMENT | G | | OPNG OPP | OPENING OPPOSITE | TOW TP | TOP OF WALL TRANSLUCENT PANEL |
| BVL | BEVELED | GA | GAUGE | OPPHAND | OPPOSITE HAND | TR | TREAD |
| | | GALV | GALVANIZED GRAB BAR | OSB | ORIENTED STRAND BOARD | TS | TUBULAR STEEL |
| C CAB | CABINET | GB GC | GENERAL CONTRACTOR | OTS OW | OPEN TO STRUCTURE OPERABLE WALL | TTD TW | TOILET TISSUE DISPENSER TO WEATHER |
| CB | CEMENT BOARD / CATCH BASIN | GDRL | GUARD RAIL | OZ | OUNCE | TYP | TYPICAL |
| CDM | CAVITY DRAINAGE MATERIAL | GL GLAZ | GLASS GLAZED BLOCK | Р | | | |
| CF CH | CUBIC FEET CEILING HEIGHT | GLAZ | GLASS BLOCK | PART BD | PARTICLE BOARD | U UC | UNDERCUT |
| CIP | CAST IN PLACE | GN | GOOSENECK | PAV | PAVING | UG | UNDERGROUND |
| CJ | CONTROL JOINT | GRT GWB | GROUT GYPSUM WALL BOARD | PCP PERIM | PRECAST CONCRETE PLANK PERIMETER | UND | UNDERSIDE (OF DECK) |
| CL CL | CENTER LINE / COLUMN LINE CLOSET / CHAIN LINK | GWD | GTF30W WALL BOARD | PERIIVI PL | PROPERTY LINE / PLATE | UNFIN UNO | UNFINISHED UNLESS NOTED OTHERWISE |
| CLG | CEILING | Н | | PLAM | PLASTIC LAMINATE | UV | UNIT VENTILATOR |
| CLOS | CLOSET | HB HC | HOSE BIB HANDICAP | PLAS PLY | PLASTIC PLYWOOD | | |
| CLR CMU | CLEAR CONCRETE MASONRY UNIT | HD | HEAVY DUTY | PMJF | PREMOLDED JOINT FILLER | V VB | VINYL BASE / VAPOR BARRIER |
| CNTR | COUNTER | HDWR | HARDWARE | PNT | PAINT | VCT | VINYL COMPOSITION TILE |
| CO COL | CASED OPENING COLUMN | HM HOR | HOLLOW METAL HORIZONTAL | PR PREFIN | PAIR PREFINISHED | VERT | VERTICAL |
| COL | COMPOSITION | HP | HIGH POINT | PRFB | POURED RESIN FLOOR BASE | VEST VIF | VESTIBULE VERIFY IN FIELD |
| CONC | CONCRETE | HT | HEIGHT HEATER | PSF | POUNDS PER SQUARE FOOT | VPD | VENEER PLASTER BASE |
| CONST CONT | CONSTRUCTION CONTINUOUS | HTR HVAC | HEATING, VENTILATING, & AIR | PSI PT | POUNDS PER SQUARE INCH PRESSURE TREATED | VS VT | VENT STACK VINYL TREAD |
| CONTC | CONTRACTOR | | CONDITIONING | PTD | PAPER TOWEL DISPENSER | VTS | VINYL TRANSITION STRIP |
| CONV | CONVECTOR | HW | HOT WATER | PTD | PAINTED | VWB | VINYL WALL BASE |
| COORD CORR | COORDINATE CORRIDOR | I | | PTN PVC | PARTITION POLYVINYL CHLORIDE | VWC | VINYL WALL COVERING |
| CPET | COMMON PATH OF EGRESS TRAVEL | ID | INSIDE DIAMETER | PVMT | PAVEMENT | W | |
| CPT | CARPET | IN INCL | INCH INCLUDED | 0 | | W | WASHER |
| CT CTR | CERAMIC TILE CENTER | INFO | INFORMATION | Q QT | QUARRY TILE | W/ W/O | WITH WITHOUT |
| CW | COLD WATER | INSUL INT | INSULATION INTERIOR | | | WB | WOOD BASE |
| CWT CY | CERAMIC WALL TILE CUBIC YARD | INV | INVERT | R R | RISER | WC | WALL CABINET WOOD |
| Cf | CODIC TARD | IRGWB | IMPACT-RESISTANT GWB | R&D | REMOVE & DISPOSE | WD WDC | WATERPROOFING, DAMPPROOFING, |
| D | | J | | R&R | REMOVE AND REPLACE | | & CAULKING CONTRACTOR |
| D D-PART | DRYER DEMOUNTABLE PARTITION | JAN | JANITOR | R & S RAD | REMOVE AND SALVAGE RADIUS | WF WG | WIRE FABRIC WIRE GLASS |
| D-FAINT DBL | DOUBLE | JST | JOIST | RCP | REFLECTED CEILING PLAN | WH | WALL HUNG |
| DEMO | DEMOLITION | JT | JOINT | RD | ROOF DRAIN | WIN | WINDOW |
| DF DH | DRINKING FOUNTAIN DOUBLE HUNG | K | | REF REFURB | REFRIGERATOR REFURBISH | WP WP'G | WATER PROTECTION WATERPROOF(ING) |
| DI | DRAIN INLET | KD | KNOCK-DOWN | REINF | REINFORCEMENT | WR | WATER RESISTANT |
| DIA | DIAMETER | KIP KO | 1,000 LBS KNOCKOUT | RELOC REM | RELOCATED REMOTE | WS WT | WATER STOP WEIGHT |
| DIAG DIM | DIAGONAL DIMENSION | KPLT | KICKPLATE | REQ'D | REQUIRED | WWF | WELDED WIRE FABRIC |
| DIST | DISTANCE | | | RES | RESILIENT | | |
| DL | DRAIN LEADER | L | LENGTH | REV RFG | REVISION ROOFING | | |
| DN DR | DOWN DOOR | LAM | LAMINATE | RFI | RIGID FOAM INSULATION | | |
| DS | DOWNSPOUT | LAV | LAVATORY LABEL | RFS | RESINOUS FLOOR SYSTEM | | |
| DTL DW | DETAIL DISHWASHER | LBL LC | LEAD COATED | RH RL | RIGHT HAND ROOF LADDER | | |
| DWG | DRAWING | LCC | LEAD COATED COPPER | RM | RUBBER MAT | | |
| | | LGMF LIN | LIGHT-GAUGE METAL FRAMING LINOLEUM | RM | ROOM | | |
| E EA | EACH | LLH | LONG LEG HORIZONTAL | RO RT | ROUGH OPENING RUBBER TILE | | |
| EF | EACH FACE | LLV | LONG LEG VERTICAL | RTU | ROOF TOP UNIT | | |
| EIFS | EXTERIOR INSULATED FINISH | LP LSC | LOW POINT LIFE SAFETY CODE | RUB | RUBBER | | |
| EJ | SYSTEM EXPANSION JOINT | LT | LIGHT | S | | | |
| EL | ELEVATION | | | S | SEALANT | | |
| ELEC ELEV | ELECTRIC ELEVATOR | M M | METER | S.L. | STRUCTURAL LINE SPRAY-APPLIED CELLULOSE | | |
| ELEV EMER | ELEVATOR EMERGENCY | MANUF | MANUFACTURER | SACI | SPRAY-APPLIED CELLULOSE INSULATION | | |
| ENCL | ENCLOSURE | MAS | MASONRY | SACP | SECURITY ALARM CONTROL PANEL | | |
| EOC EP | EDGE OF CONCRETE ELECTRICAL PANEL | MAT MAX | MATERIAL MAXIMUM | SAFI SCHED | SPRAY-APPLIED FOAM INSULATION SCHEDULE | | |
| EQ | EQUAL | MB | MOSITURE BARRIER | SCR | SHOWER CURTAIN ROD | | |
| EQUIP | EQUIPMENT | MBL MBR | MARBLE MEMBER | SCW | SOLID CORE WOOD | | |
| ER ES | EXISTING TO REMAIN EXPOSED STRUCTURE | MC MC | MEDICINE CABINET | SD SECT | SOAP DISPENSER SECTION | | |
| EW | EACH WAY | MDF | MEDIUM DENSITY FIBERBOARD | SF | SQUARE FEET | | |
| EXH | EXHAUST | MDO MECH | MEDIUM DENSITY OVERLAY MECHANICAL | SH | SINGLE HUNG | | |
| EXIST EXP | EXISTING EXPANSION | MECH MFR | MECHANICAL MANUFACTURER | SHR SIM | SHOWER SIMILAR | | |
| EXT | EXTERIOR | MH | MANHOLE | SND | SANITARY NAPKIN DISPENSER | | |
| | | | | SNV SOLSUR | SANITARY NAPIKIN VENDOR SOLID SURFACE (COUNTER) | | |

SYMBOLS



GENERAL NOTES

- 1. COORDINATE THE ARCHITECTURAL DRAWINGS WITH STRUCTURAL, PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS FOR THE VERIFICATION OF ALL PROJECT REQUIREMENTS.
- 2. FINISH FIRST FLOOR SLAB ELEVATION HIGH POINT IS 1'-0" FOR THIS PROJECT.
- 3. ALL INTERIOR DIMENSIONS ARE TAKEN FROM FACE OF STUD TO FACE OF STUD / FACE OF MASONRY UNLESS SPECIFICALLY NOTED OTHERWISE. <u>DO NOT SCALE DRAWINGS.</u> REFER TO ENLARGED PLANS AND DETAILS FOR FURTHER DIMENSIONING INFORMATION. ALL WORK LINES AND LEVELS SHALL BE LAID OUT BY WRITTEN DIMENSIONS. ANY DEVIATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGNER. ALL DEVIATIONS AND DISCREPANCIES SHALL BE CORRECTED BY THE CONTRACTOR BEFORE HE BEGINS HIS PORTION OF THE WORK.
- 4. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS & CONDITIONS PRIOR TO THE WORK AND SHALL NOTIFY THE DESIGNER REGARDING ANY DISCREPANCIES.
- 5. THE CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS, SAMPLES, CATALOG CUTS ECT., INCLUDING COLOR CHARTS FOR PAINTS, FOR ALL INTERIOR FINISHES, TO THE DESIGNER FOR SELECTION, REVIEW AND APPROVAL PRIOR TO FABRICATION OR INSTALLATION.
- 6. PERFORM ALL WORK IN ACCORDANCE WITH THE STATE BUILDING CODE, AS WELL AS LOCAL CODES AND
- 7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS, BACKCHARGES AND FEES AS REQUIRED BY
- 8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAILY REMOVAL AND LEGAL DISPOSAL OF ALL DEBRIS OFF
- 9. THE CONTRACTOR SHALL SEAL ALL THROUGH-WALL & FLOOR PENETRATIONS WITH 3M BARRIER CAULK (O.A.E.) AND SEALANT ON USG SAFING 2500 PSI GROUT. U.N.O. INSTALL ANY REQUIRED FIRE RATED PARTITIONS TO UNDERSIDE OF FLOOR AND ROOF DECK, INCLUDING DEFLECTION HEAD FIRE SAFING.
- 10. INSTALL A CONTINUOUS SEALANT BEAD ON BACKER ROD AT ALL JUNCTURES OF DISSIMILAR MATERIALS (E.G.: METAL TO CMU, STEEL TO ALUMINUM) AND ALL MATERIAL JOINTS AS REQUIRED BY THE MANUFACTURER'S SPECIFICATION AND RECOMMENDATIONS, INDUSTRY STANDARDS AND GOOD PRACTICE.
- 11. THE CONTRACTOR SHALL INSTALL ALL INTERIOR FINISHES AT ALL SURFACES INDICATED ON THE DRAWINGS IN CONFORMANCE TO STATE BUILDING CODE. ALL DOORS SHALL HAVE LEVER HARDWARE TO CONFORM TO 521
- 12. ALL STRUCTURAL ELEMENTS SHOWN ON THE ARCHITECTURAL DRAWINGS ARE FOR INFORMATION ONLY. REFER TO STRUCTURAL DRAWINGS FOR EXACT SIZES AND LOCATION OF STRUCTURAL ELEMENTS.
- 13. THE CONTRACTOR SHALL PROVIDE SUPPLEMENTAL FRAMING AND OR BLOCKING AS NECESSARY TO SUPPORT ALL EXTERIOR WALL MOUNTED ELEMENTS.

- 14. ALL OPENINGS IN EXTERIOR WALLS FOR PLUMBING, FIRE PROTECTION, MECHANICAL, AND ELECTRICAL FIRE ALARM SYSTEMS SHALL BE SEALED WEATHER-TIGHT BY THE CONTRACTOR. CONTRACTOR TO PROVIDE FIRE RATED SEALANTS AS REQUIRED AT FIRE RATED WALL, FLOOR, CEILING, AND ROOF ASSEMBLIES,
- 15. ALL EXPOSED SURFACES (INCLUDING, BUT NOT LIMITED TO; WALLS, UNDERSIDE OF EXPOSED ROOF AND FLOOR DECK, STRUCTURAL STEEL, MISCELLANEOUS METALS, DOORS/FRAMES, DUCTWORK, CONDUIT, AND PIPING) SHALL BE PRIMED AND PAINTED.
- 16. BLOCKING SHALL BE PROVIDED FOR ALL WALL MOUNTED EQUIPMENT (INCLUDING, BUT NOT LIMITED TO; PLUMBING FIXTURES, TOILET ACCESSORIES, UTILITY SINKS, FIRE EXTINGUISHER CABINETS, SHELVING, COUNTERS, CASEWORK, CABINETS, MEDIA EQUIPMENT, AND WINDOW TREATMENTS). PROVIDE ADDITIONAL METAL STUD FRAMING AS REQUIRED TO SUPPORT BLOCKING.
- 17. ALL WALL/PARAPET FLASHING SHALL TERMINATE WITH A MINIMUM 8" VERTICAL LEG TO ALLOW FOR PROPER INTERFACE WITH THE ABM. ABM SHALL BE INSTALLED BEHIND FLASHING AND THE FLASHING SHALL BE INTEGRATED INTO THE ABM SYSTEM USING A SELF-ADHERED MEMBRANE FLASHING WITH MINIMUM OVERLAP REQUIREMENTS PER MANUFACTURER.
- 18. ALL EXTERIOR AND INTERIOR MATERIAL SURFACE COLOR AND TEXTURES SHALL BE SELECTED BY THE DESIGNER FROM THE MANUFACTURES STANDARD FINISH / COLOR SELECTIONS.
- 19. DETAILS AND NOTES SHOWN ON THE ARCHITECTURAL DRAWINGS SHALL BE APPLICABLE TO ALL PARTS OF THE ARCHITECTURAL WORK EXCEPT WHERE SPECIFICALLY REQUIRED OTHERWISE BY THE CONTRACT DOCUMENTS. CONDITIONS NOT SPECIFICALLY SHOWN SHALL BE SIMILAR TO THOSE SHOWN FOR LIKE CONDITIONS AS DETERMINED BY THE DESIGNER.
- 20. PROVIDE ALL ACCESSIBLE FIXTURES, CONTROLS & ACCESSORIES, AND APPROPRIATE CLEARANCES, AS REQUIRED FOR COMPLIANCE W/ STATE BUILDING CODE W/ ALL AMENDMENTS, TYP.
- 21. SEALANT DEPTH AT ALL EXTERIOR OPENINGS SHALL BE EQUAL TO THE WIDTH OF THE JOINT.
- 23. FOR STRUCTURAL LEGEND REFER TO DRAWING S0.00.
- 24. ALL DIMENSIONS ARE TO FACE OF MASONRY, FACE OF METAL STUD, AND TO THE CENTERLINE OF COLUMN, UNLESS OTHERWISE NOTED.
- 25. FOR ROOF DETAILS, REFER TO DRAWING A1.01.
- 26. ALL NOTES AND DIMENSIONS DESIGNATED "TYPICAL" APPLY TO ALL LIKE OR SIMILAR CONDITIONS THROUGHOUT THE PROJECT.
- 27. CONTRACTOR(S) TO TAKE AND VERIFY ALL DIMENSIONS AND CONDITIONS OF THE WORK AND BE RESPONSIBLE FOR COORDINATION OF THE SAME. FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO START OF WORK.
- 28. GENERAL CONTRACTOR TO PROVIDE EXCAVATION & TRENCHING AT ALL UNDERGROUND UTILITIES IN EXISTING AND NEW BUILDINGS AS REQUIRED FOR MEP/FP UTILITIES AND COORDINATION. REFER TO MEP / FP DRAWINGS FOR OVERALL REQUIREMENTS. GENERAL CONTRACTOR TO COORDINATE INVERTS AND COMPACT ALL MATERIALS FOR PLACEMENT OF CONCRETE SLAB INFILL IN ACCORDANCE WITH ASTM D1557. GC TO PROVIDE SOIL COMPACTION, DOWELS, WWF MESH, VAPOR RETARDER AND TIE-INS, CONCRETE PLACEMENT AND ALL REQUIREMENTS TO CLOSE UP TRENCH ONCE MEP/FP SUB-TRADE WORK IS COMPLETE.

IMPROVEMENTS TO THE ARLINGTON RESERVOIR



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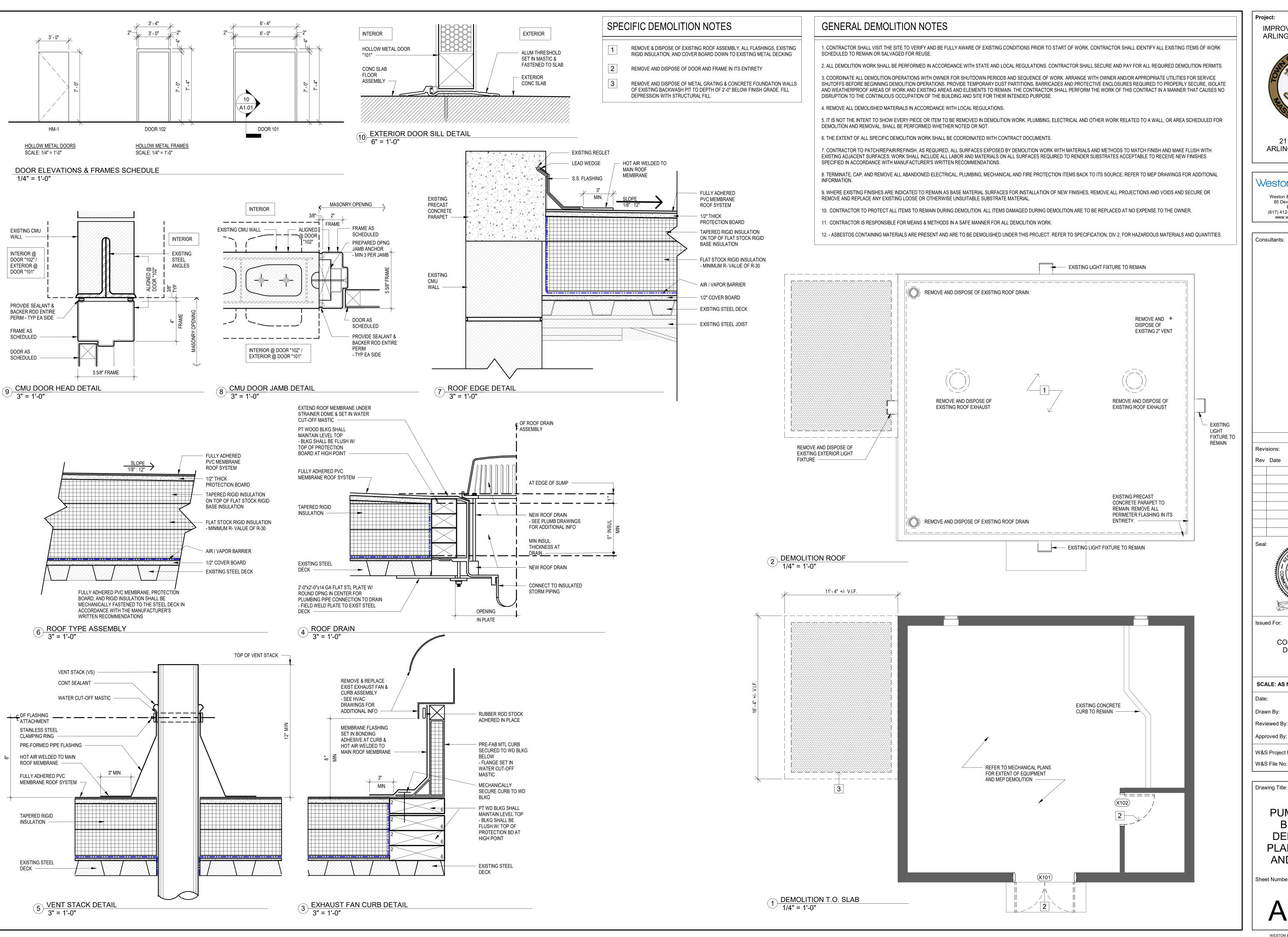
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ARCHITECTURAL **GENERAL NOTES**



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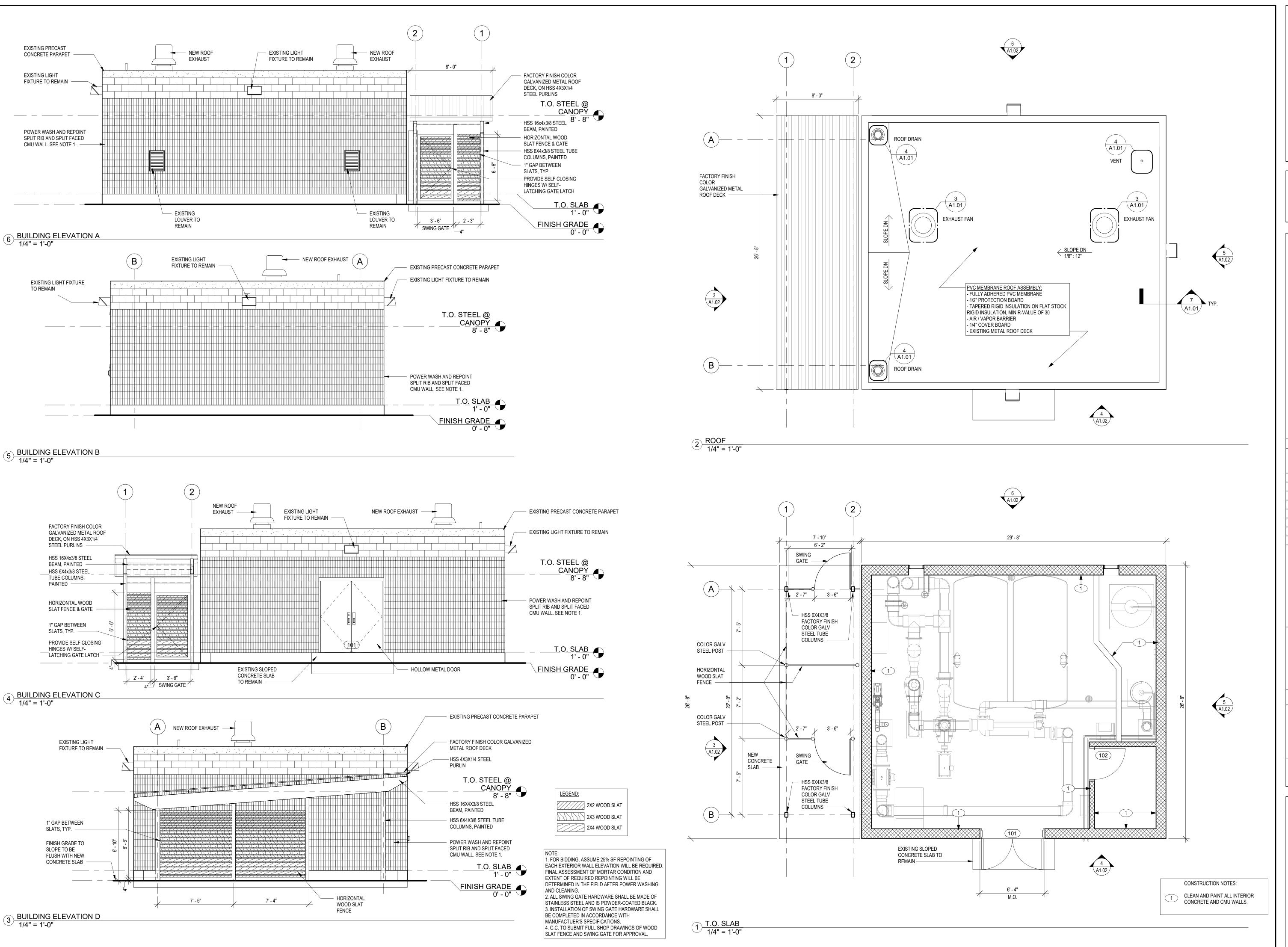
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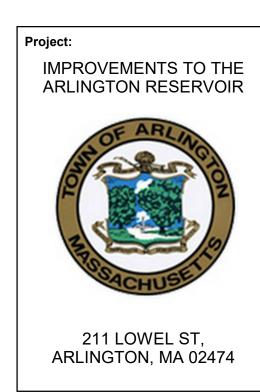
Drawing Title:

PUMP HOUSE BUILDING **DEMOLITION**

PLANS, NOTES AND DETAILS

Sheet Number:





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PUMP HOUSE BUILDING OVERALL PLANS AND ELEVATIONS

Sheet Number:

A1.02

<u> 1.0 - GENERAL</u> 1.01 THE STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH ALL OTHER CONTRACT DRAWINGS AND SPECIFICATIONS. REFER TO CIVIL, ARCHITECTURAL MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR LOCATION, DIMENSIONS, AND DETAILS OF OPENINGS, SLEEVES, EMBEDMENTS, INSERTS, PADS, CURBS, DEPRESSIONS, ANCHOR BOLTS, AND OTHER PROJECT REQUIREMENTS NOT SHOWN ON STRUCTURAL DRAWINGS. 1.02 THE CONTRACTOR IS RESPONSIBLE FOR CHECKING, COORDINATING AND VERIFYING ALL DIMENSIONS IN THE FIELD PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL IMMEDIATELY REPORT ANY DISCREPANCY TO THE ARCHITECT AND ENGINEER AS A REQUEST FOR INFORMATION (RFI) BEFORE PROCEEDING 1.03 THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING IN THE FIELD THE EXISTENCE AND LOCATION OF OVERHEAD, BURIED AND/OR EMBEDDED UTILITIES, AND DETERMINING LOCATIONS OF ALL EMBEDDED MECHANICAL, ELECTRICAL AND PLUMBING SYSTEMS AFFECTED BY THE WORK OF THIS CONTRACT. 1.04 ALL WORK IS TO CONFORM WITH THE FOLLOWING CODES AND STANDARDS: (A) "780 CMR: MASSACHUSETTS AMENDMENTS MASSACHUSETTS STATE BUILDING CODE" - 9TH EDITION (MSBC) (B) INTERNATIONAL BUILDING CODE, (IBC 2015) (C) "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" - AMERICAN CONCRETE INSTITUTE (ACI 318) (D) "MANUAL OF STEEL CONSTRUCTION" - AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC 360) (E) "STRUCTURAL WELDING CODE - STEEL" - AMERICAN WELDING SOCIETY (AWS D1.1) (F) "SEISMIC PROVISION FOR STRUCTURAL STEEL BUILDINGS" -AMERICAN INSTITUTE OF STEEL CONSTRUCTION, (AISC) (G) "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES" - AMERICAN SOCIETY OF CIVIL ENGINEERS, (ASCE 7-05) FOR ADDITIONAL CODES AND STANDARDS REFER TO SPECIFICATIONS. 1.05 THE CONTRACTOR SHALL NOTIFY THE ARCHITECT AND ENGINEER OF UNFORSEEN CONDITIONS THAT MAY BE UNCOVERED DURING DEMOLITION AND CONSTRUCTION AS A REQUEST FOR INFORMATION (RFI) BEFORE PROCEEDING WITH WORK. 1.06 IN ACCORDANCE WITH SPECIFICATION SECTION 01 45 00, TESTING AND INSPECTION OF STRUCTURAL WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE COSTS FOR TESTING AND INSPECTIONS WILL BE PAID BY THE CONTRACTOR. PROVIDE TEST RESULTS TO THE ENGINEER IN A TIMELY MANNER. 1.07 THE CONTRACTOR SHALL DESIGN AND PROVIDE ALL REQUIRED SHORING AND TEMPORARY BRACING TO RESIST FORCES ON THE STRUCTURE THROUGHOUT THE 2.0 - CAST IN PLACE CONCRETE 2.01 CONCRETE WORK SHALL CONFORM TO "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI 318) AND "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS" (ACI 301).

2.03 UNLESS NOTED OTHERWISE, CONCRETE SHALL BE NORMAL WEIGHT AND HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4500 PSI.

2.08 CONCRETE SLABS SHALL BE PLACED SO THAT THE SLAB THICKNESS IS AT NO POINT LESS THAN THAT INDICATED ON THE DRAWINGS.

2.07 A MINIMUM OF 72 HOURS SHALL ELAPSE BETWEEN ADJACENT CONCRETE PLACEMENTS.

3.0 - CAST IN PLACE CONCRETE REINFORCEMENT

4.0 - STRUCTURAL STEEL

SHALL BE E70XX.

APPROVED EQUAL.

5.0 DESIGN LOADS

BUILDING OCCUPANCY CATEGORY___II

ENGINEER FOR EACH SPECIFIC USE.

OTHER APPROVED MEANS TO PROVIDE A BARRIER.

4.12 PROVIDE 1/4" WELDED CAP PLATES AT HSS MEMBERS

4.13 PROVIDE AIR PORTS IN HSS MEMBERS FOR GALVANIZING PROCESS

3.03 REINFORCING STEEL SHALL BE UNCOATED AND DEFORMED.

2.09 ALL CONCRETE SHALL BE WATER CURED UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER.

3.02 STEEL REINFORCEMENT, UNLESS NOTED OTHERWISE, SHALL CONFORM TO ASTM A615 GRADE 60.

SPECIFIED YIELD STRENGTH OF THE BAR. NO WELDED CONNECTIONS ARE PERMITTED.

3.10 DOWELS SHALL MATCH BAR SIZE, NUMBER AND SPACING, UNLESS NOTED OTHERWISE

4.02 STRUCTURAL STEEL SHALL BE NEW STEEL CONFORMING TO THE FOLLOWING:

(B) STRUCTURAL TUBING: ____ASTM A500 GR B.

(A) OTHER STEEL SHAPES, PLATES AND BARS: ____ASTM A572 OR ASTM A36.

4.10 WELDS SHALL BE 1/4" FILLET WELDS MINIMUM UNLESS NOTED OTHERWISE ON THE DRAWINGS.

SUPPORTS SHALL NOT BE REMOVED UNTIL PERMANENT BRACING HAS BEEN INSTALLED.

4.14 SUBMIT SHOP DRAWINGS AND PRODUCT DATA FOR APPROVAL PRIOR TO FABRICATION.

3.04 MINIMUM CONCRETE PROTECTIVE COVERING FOR REINFORCEMENT, UNLESS NOTED OTHERWISE, SHALL BE 3".

SHALL BE LAPPED AT NECESSARY SPLICES OR HOOKED AT DISCONTINUOUS ENDS, UNLESS OTHERWISE NOTED.

REINFORCEMENT AND CONCRETE TESTING. NO CONCRETE SHALL BE PLACED WITHIN 48 HOURS OF SUCH NOTIFICATION.

4.05 STRUCTURAL STEEL FRAMING SHALL BE WITHIN TOLERANCE BEFORE CONNECTIONS ARE FINALLY BOLTED OR WELDED.

4.08 PROVIDE FIELD TOUCH-UP AND REPAIR OF GALVANIZING AS REQUIRED PER ASTM A780 USING AN INORGANIC ZINC-RICH PRIMER.

3.09 WHERE REINFORCEMENT IS REQUIRED IN SECTION, REINFORCEMENT IS CONSIDERED TYPICAL WHEREVER THE SECTIONS APPLIES.

3.06 FOR REINFORCING STEEL SPLICE LAP LENGTHS REFER TO THE TABLE PROVIDED UNLESS OTHERWISE INDICATED.

2.05 SEALANT FOR CONTROL/CONTRACTION JOINTS AND SAW CUT JOINTS SHALL BE SIKADUR 51 MANUFACTURED BY SIKA OR AN APPROVED EQUAL.

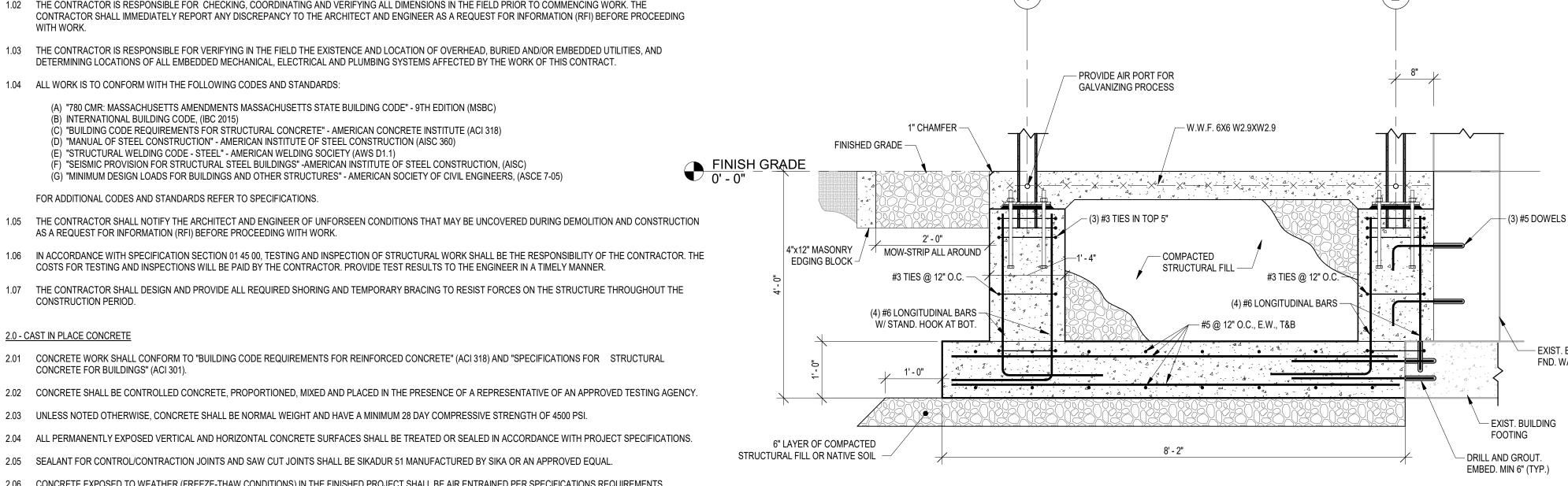
2.06 CONCRETE EXPOSED TO WEATHER (FREEZE-THAW CONDITIONS) IN THE FINISHED PROJECT SHALL BE AIR ENTRAINED PER SPECIFICATIONS REQUIREMENTS.

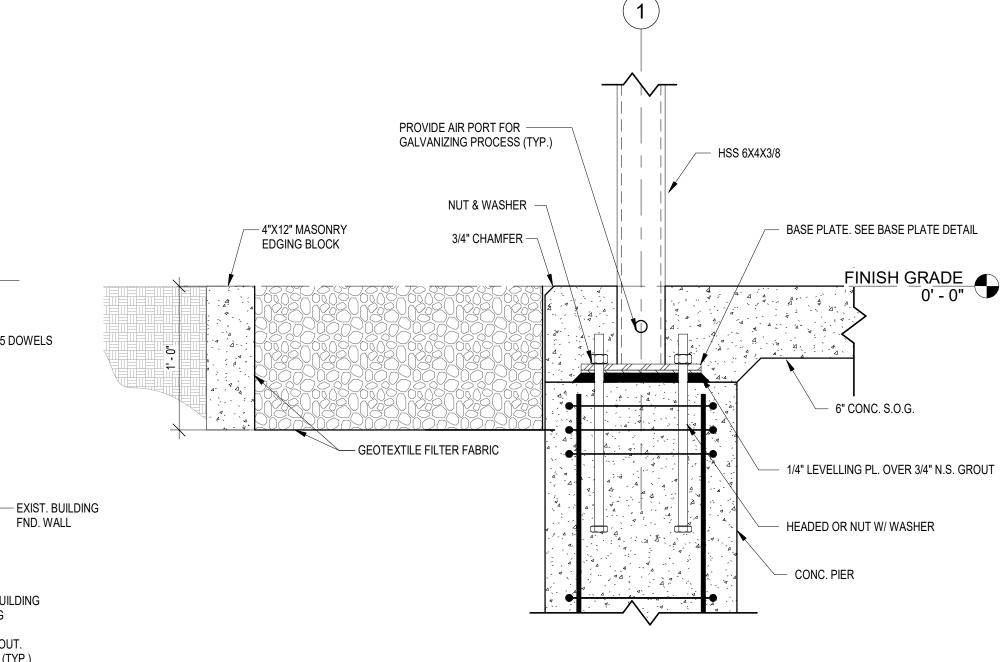
3.01 REINFORCEMENT DETAILING, FABRICATION, AND ERECTION SHALL CONFORM TO "ACI DETAILING MANUAL" - SP-66, "CRSI MANUAL OF STANDARD PRACTICE".

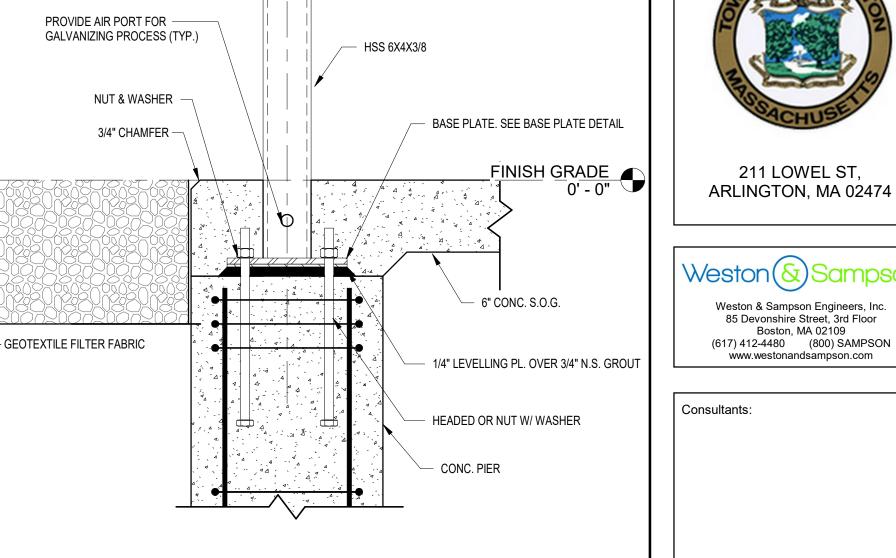
3.05 REINFORCING STEEL SHALL BE CONTINUOUS THROUGH ALL CONSTRUCTION JOINTS, CORNERS, AND INTERSECTIONS UNLESS OTHERWISE NOTED. REINFORCING

3.07 MECHANICAL SPLICES SHALL BE PERMITTED SUBJECT TO APPROVAL BY THE ENGINEER. MECHANICAL SPLICES SHALL DEVELOP AT LEAST 125 PERCENT OF THE

3.08 NOTIFY THE TESTING LAB AND ENGINEER A MINIMUM OF 48 HOURS PRIOR TO SCHEDULED CONCRETE PLACEMENT IN ORDER TO ACCOMMODATE INSPECTION OF



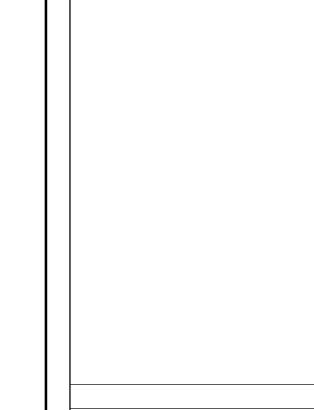


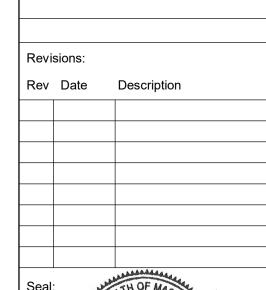


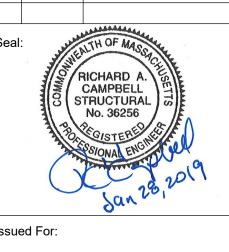


IMPROVEMENTS TO THE

ARLINGTON RESERVOIR







Issued For:

CONSTRUCTION DOCUMENTS

SCALE: AS NOTED

JANUARY 28, 2019 Drawn By: Reviewed By: Approved By:

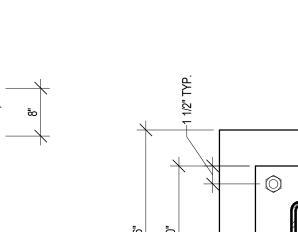
W&S Project No: 2180615 W&S File No:

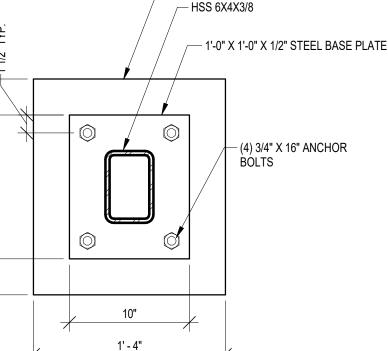
Drawing Title:

STRUCTURAL **GENERAL NOTES** & TYPICAL **DETAILS**

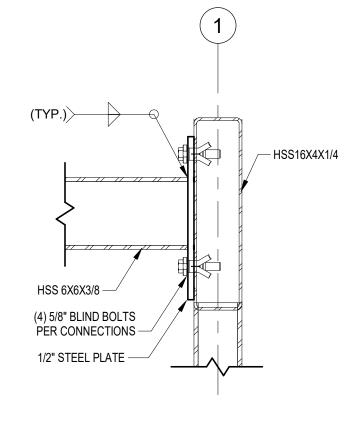
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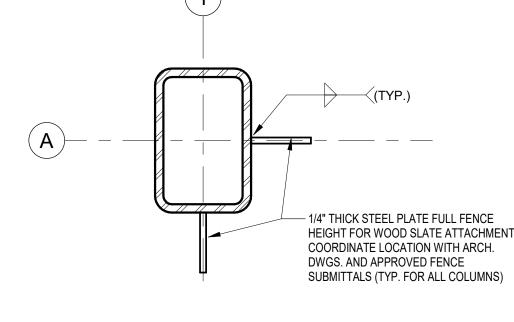
FOOTING DETAIL (TYPICAL)





— 1'-6" X 1'-4" CONC. PIER





- HSS 4X4X1/4" PURLIN

- METAL ROOF DECKING

BOLTS

FENCE CONNECTION PLATE

- HSS 16X4X1/4

1/4" STEEL BENT PLATE -

PURLIN CONNECTION

-1/4"X6"X6'-0" HSS 6X4X3/8 -STEEL PLATE EXIST. CMU WALL STEEL PLATE SEE FENCE CONNECTION DETAIL —

> **FULL HEIGHT SECURITY AT** CHAIN LINK FENCE

4.01 STRUCTURAL STEEL DESIGN, FABRICATION AND ERECTION SHALL CONFORM TO THE AISC "MANUAL OF STEEL CONSTRUCTION", STEEL BUILDING AND BRIDGES" (AISC 4.03 ALL WELDED CONNECTIONS SHALL BE MADE BY APPROVED CERTIFIED WELDERS AND SHALL CONFORM TO A.W.S. SPECIFICATIONS AMENDED TO DATE. ELECTRODES 4.04 BOLTS SHALL CONFORM TO ASTM A325 AND BE INSTALLED SNUG-TIGHT UNLESS NOTED OTHERWISE, BLIND BOLTS SHALL BE AS MANUFACTURED BY LINDAPTER OR 4.06 FIELD CUTTING OF STRUCTURAL STEEL OR ANY FIELD MODIFICATIONS OF STRUCTURAL STEEL SHALL NOT BE MADE WITHOUT PRIOR WRITTEN APPROVAL BY THE TYPICAL DETAIL AT PURLIN 4.07 STRUCTURAL STEEL SHAPES AND PLATES EXPOSED TO WEATHER AND AT CANOPIES SHALL BE HOT-DIPPED GALVANIZED PER ASTM A123 U.N.O. FASTENERS SHALL BE HOT-DIPPED GALVANIZED PER ASTM A153 U.N.O. HOT-DIPPED GALVANIZING SHALL ALSO CONFORM TO ASTM A385. THE GALVANIZER SHALL SUBMIT A CERTIFICATE 4.09 WHEN DISSIMILAR METALS ARE IN CONTACT (E.G. STAINLESS STEEL IN CONTACT WITH GALVANIZED STEEL), COAT SURFACE WITH COAL TAR EPOXY OR PROVIDE 4.11 PROVIDE TEMPORARY ERECTION BRACING AND SUPPORTS TO HOLD STRUCTURAL STEEL FRAMING SECURELY IN POSITION. SUCH TEMPORARY BRACING AND

SAW CUT 1/4D" DEEP FILL W/

W.W.F. 6X6 W4.0XW4.0

SEALANT, BY WDC FSB

CONC. SLAB

SAWCUT JOINT (S.J.)

SLAB ON GRADE DETAIL

CORRUGATED METAL ROOFING -HSS 4X3X1/4 --HSS16X4X1/4 -PURLIN (TYP.) HSS 4X3X1/4 -1/4" COVER PLATE PURLIN WELD ALL AROUND T.O. STEEL @ CANOPY - PROVIDE AIR PORT - COPE END OF BEAM DRAINAGE HOLE AT EACH END - HSS6X4X3/8 PROVIDE AIR PORT DRAINAGE HOLE (TYP.) —

- 1/4" CAP PLATE

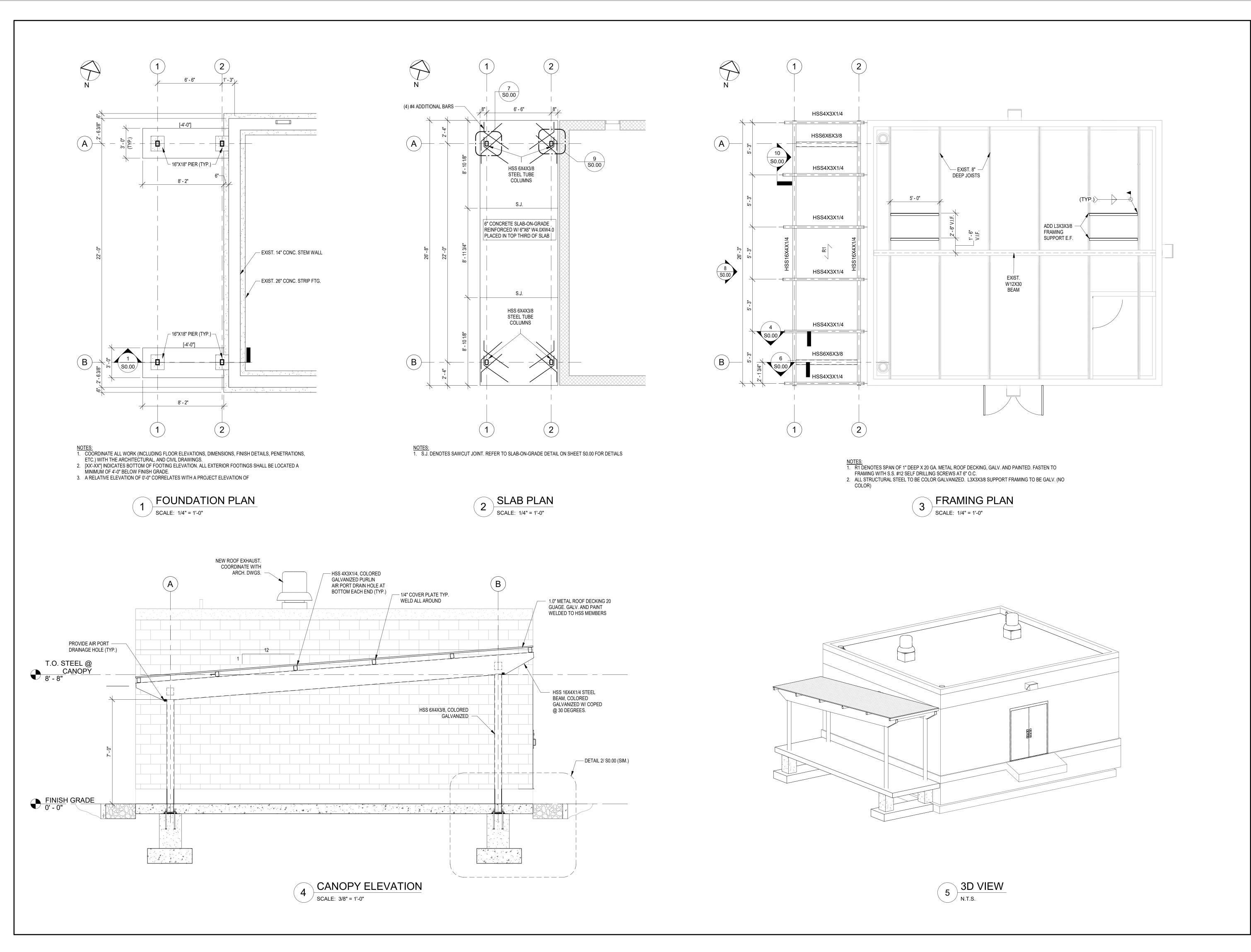
STEEL CLOSURE PLATE DETAIL SCALE: 1" = 1'-0"

(A) SELF-WEIGHT OF ALL ATTACHED AND SUSPENDED ELEMENTS, CONSULT APPLICABLE DRAWINGS AND TRADES FOR FURTHER INFORMATION 5.02 LIVE LOADS (A) ROOF LIVE LOADS (1) CONSTRUCTION 20 PSF. 300 LB 5.03 ROOF SNOW LOAD (A) GROUND SNOW LOAD, PG 40 PSF (B) FLAT ROOF SNOW LOAD, PF___30 PSF (C) SNOW EXPOSURE FACTOR, CE 1.0 (D) SNOW LOAD IMPORTANCE FACTOR, I 1.0, II (E) THERMAL FACTOR, CT___1.2

LOADS, LOADING CONDITIONS AND COMBINATIONS SHALL BE IN ACCORDANCE WITH THE MASSACHUSETTS STATE BUILDING CODE 8TH EDITION, IBC 2009 AND ASCE 7-10 AS

APPLICABLE. LOADS DESIGNATED BY "PSF" ARE UNIFORM LOADS, THOSE DESIGNATED BY "LB" ARE CONCENTRATED LOADINGS AND SHALL BE APPLIED AS REQUIRED BY THE

5.04 WIND DESIGN DATA (A) BASIC WIND SPEED, V 127 MPH (B) WIND IMPORTANCE FACTOR, I__1.0, II (C) WIND EXPOSURE____B



IMPROVEMENTS TO THE ARLINGTON RESERVOIR

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Consultants:

Revisions:

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STRUCTURAL
No. 36256

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PUMP HOUSE CANOPY PLANS & ELEVATIONS

Sheet Number:

S1.01

ELECTRICAL SYMBOL LEGEND SYMBOL DESCRIPTION SURFACE LIGHT (TYPE DENOTED) SURFACE LINEAR LIGHT (TYPE DENOTED) STRIP LIGHT (TYPE DENOTED) EMERGENCY BATTERY LIGHT (TYPE DENOTED) EXIT SIGN (TYPE DENOTED) LIGHT FIXTURE ON (EM) LIFE SAFETY BRANCH → SINGLE POLE SW. ⇔ 2 POLE SINGLE THROW SW. ⊕ 3-WAY SW. DUPLEX RECEPT. FOURPLEX RECEPT. -P- UTILITY SERVICE POWER POLE (SITE) PB PULL BOX CIRCUIT BREAKER PANEL POWER OR DISTRIBUTION PANEL T TRANSFORMER (TYPE DENOTED) XX-1 MOTOR (SEE SCHEDULE) SAFETY DISC. SW. (NON-FUSED) SAFETY DISC. SW. (FUSED) H⊕ PHOTOCELL HALFTONE SYMBOL INDICATES EXISTING → DASHED SYMBOL INDICATES REMOVED ▼ TELEPHONE OUTLET (TYPE DENOTED) ✓ WALL TELEPHONE OUTLET (TYPE DENOTED) ◀ INFORMATION OUTLET (TYPE DENOTED) DOOR CONTACTS

CARD READER

KEYED NOTE (SEE SCHEDULE)

AUTOMATIC CONTROL DAMPER

KEYPAD

 \vdash ::

ELECTRICAL SYMBOL NOTES TRANSFORMERS. THE TRANSFORMER TYPE IS INDICATED BY A NUMBER THE LIGHTING FIXTURE TYPE IS INDICATED BY AN UPPER CASE LETTER. THE FOLLOWING THE UPPER CASE LETTER "T". SEE THE TRANSFORMER CIRCUIT DESIGNATION IS INDICATED BY A NUMBER. THE SWITCH DESIGNATION SCHEDULE OR THE SINGLE LINE DIAGRAM FOR THE TRANSFORMER IS INDICATED BY A LOWER CASE LETTER. DESCRIPTION AND REQUIREMENTS. EXAMPLE: TRANSFORMER TYPE EXAMPLE: LIGHTING FIXTURE TYPE "A2" IS CONNECTED TO CIRCUIT 12 AND CONTROLLED BY SWITCH "b". LPN-102 PANELBOARDS. PANELBOARD DOORS MAY BE SHOWN TO INDICATE OPENING SIDE OF RECESSED PANELBOARDS. EXIT LIGHTS. STEM INDICATES WALL MOUNTING. NO STEM INDICATES CEILING SPECIAL NOTE. SEE THE SPECIAL NOTES ON THAT SHEET FOR THE MOUNTING. SHADED AREA INDICATES ILLUMINATED FACE(S). ARROW INDICATES DIRECTIONAL ARROW ON ILLUMINATED FACE(S). THE CIRCUIT DESIGNATION IS NOTE NUMBER INDICATED IN THE HEXAGON. HOME RUN TO BRANCH CIRCUIT PANELBOARD. THE PANELBOARD EXAMPLE: THE WALL MOUNTED EXIT LIGHT TYPE "E" WITH SINGLE FACE AND DESIGNATION IS SHOWN ADJACENT TO THE HOME RUN ARROW AS A DIRECTIONAL ARROW IS CONNECTED TO CIRCUIT 14. NUMERATOR AND THE CIRCUIT DESIGNATION IS SHOWN AS THE DENOMINATOR. CIRCUIT BREAKER SIZES (AMPS/NUMBER OF POLES) ARE THE CONTROL DEVICE DESIGNATION IS INDICATED BY A LOWER CASE LETTER. I PN-102-SHOWN IN THE PANELBOARD SCHEDULE WITH THE CORRESPONDING EXAMPLE: SINGLE POLE SWITCH "d" TO CONTROL LIGHTING FIXTURES INDICATED 1,3,5 PANELBOARD AND CIRCUIT DESIGNATION. EXAMPLE: HOME RUN TO PANELBOARD LPN-102; CIRCUITS 1, 3, 5. CONDUIT SHOWN WITHOUT SLASH MARKS SHALL CONTAIN 2 # 12 CONDUCTORS IN 3/4" CONDUIT UNLESS WALL BOX DIMMER WITH SIZE AS INDICATED AT DEVICE. EXAMPLE: 600 WATT SPECIFIC EQUIPMENT REQUIRES A DIFFERENT SIZE. WALL BOX DIMMER TO CONTROL LIGHTING FIXTURES INDICATED BY "e". SEE SPECIFICATIONS FOR WATTAGE IF NOT INDICATED. MOTOR CONNECTIONS. THE MOTOR IS INDICATED BY A NUMBER WITHIN OR CHARACTERS ADJACENT TO THE MOTOR SYMBOL. SEE THE MOTOR AND EQUIPMENT SCHEDULE FOR THE MOTOR DESCRIPTION AND ELECTRICAL REQUIREMENTS. THE CIRCUIT DESIGNATION IS INDICATED BY A NUMBER(S) ADJACENT TO THE SYMBOL. EXAMPLE: MOTOR SF-1; 3 PHASE CONNECTION TO CIRCUITS 2, 4, 6.

GENERAL ELECTRICAL NOTES

INSTALLED.

1. DRAWINGS ARE DIAGRAMMATIC ONLY. THE EXACT LOCATION, MOUNTING HEIGHTS, SIZE OF EQUIPMENT AND ROUTING OF RACEWAYS SHALL BE COORDINATED AND DETERMINED IN THE FIELD.

2. ALL STRAIGHT FEEDER, BRANCH CIRCUIT AND AUXILIARY SYSTEM CONDUIT RUNS SHALL BE PROVIDED WITH SUFFICIENT PULL BOXES TO LIMIT THE MAXIMUM LENGTH OF ANY SINGLE CABLE PULL TO 150 FEET. EXACT SIZES OF PULL BOXES AND LOCATIONS TO BE DETERMINED IN THE FIELD BY THE ELECTRICAL CONTRACTOR.

3. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE OTHER CONTRACTORS AS APPLICABLE AS TO THE EXACT LOCATION OF THEIR RESPECTIVE EQUIPMENT; THE POWER WIRING, CONTROL WIRING AND ALL ELECTRICAL CONNECTIONS AND CONDUIT TURN-UPS SHALL BE COORDINATED WITH THE RESPECTIVE CONTRACTORS BEFORE THE START OF CONSTRUCTION IN THE FIELD.

4. SLEEVES ARE TO BE UTILIZED FOR PASSAGE OF CONDUITS THROUGH FLOORS OR WALLS. CONDUITS AND BOXES ARE TO BE SUPPORTED BY THE USE OF PRESET FASTENERS INSTALLED IN FLOORS, WALLS OR COLUMNS. CONDUITS AND BOXES ARE TO BE INSTALLED CONCEALED IN MASONRY WALLS AND ABOVE HUNG CEILINGS. ALL SLEEVES ARE TO BE SEALED.

5. ALL LIGHTING FIXTURES, ELECTRICAL DEVICES, CABLES AND RACEWAYS ARE TO BE INDEPENDENTLY SUPPORTED. FIXTURES ARE TO BE SUPPORTED FROM THE STRUCTURE BY THE USE OF JACK CHAIN, THREADED ROD OR OTHER MEANS APPROVED BY THE ENGINEER. APPROVED SUPPORTS, HANGERS, CLIPS, ETC. ARE

6. COMBINED HOMERUNS OF TWO (2) OR THREE (3) CIRCUITS MAY BE UTILIZED. HOWEVER. THE NEUTRAL CONDUCTOR IS TO BE INCREASED TO #10AWG. COMBINED HOMERUNS ARE TO BE LIMITED TO 20A, LIGHTING AND POWER

7. WORK SHALL CONFORM TO THE MASSACHUSETTS ELECTRICAL CODE, MASACHUSETTS BUILDING CODE, NFPA AND REQUIREMENTS OF LOCAL AUTHORITIES HAVING JURISDICTION.

8. THE WORD "CONTRACTOR" AS USED IN THE "ELECTRICAL WORK" SHALL MEAN THE ELECTRICAL SUBCONTRACTOR.

9. CONTRACTOR SHALL PAY FOR ALL PERMITS, INSURANCE AND TESTS, AND SHALL PROVIDE LABOR AND MATERIAL TO COMPLETE THE ELECTRICAL WORK

10. EXCEPT AS OTHERWISE NOTED. THE ELECTRICAL WORK SHALL INCLUDE DEMOLITION, PANELBOARDS, CIRCUIT BREAKERS, FEEDERS, WIRING, RACEWAYS. LIGHTING FIXTURES, DEVICES, TELEPHONE AND DATA OUTLETS, SAFETY SWITCHES, TRANSFORMERS AND CONNECTIONS NECESSARY TO OPERATE MOTORS AND OTHER EQUIPMENT.

11. THE G.C. SHALL PROVIDE ALL TEMPORARY LIGHTING AND POWER AND PAY ALL 29. PROVIDE AS-BUILT "CADD" DRAWINGS AT THE COMPLETION OF THE PROJECT.

12. DURING CONSTRUCTION, THE ELECTRICAL CONTRACTOR SHALL KEEP HIS PORTION OF THE WORK NEAT, CLEAN AND ORDERLY.

13. ALL SYSTEMS SHALL BE TESTED FOR SHORT CIRCUIT AND GROUNDS PRIOR TO ENERGIZING AND ANY DEFECTS SHALL BE CORRECTED.

14. ALL CUTTING AND PATCHING REQUIRED FOR ELECTRICAL WORK SHALL BE

INCLUDED AS PART OF THIS SECTION.

15. COMPLETE SHOP DRAWINGS SHALL BE SUBMITTED FOR ELECTRICAL EQUIPMENT. WHERE SPECIFIED ELECTRICAL EQUIPMENT IS SUBSTITUTED, THE ELECTRICAL CONTRACTOR SHALL SUBMIT COMPLETE SPECIFICATIONS ON THE SUBSTITUTE AS WELL AS THE ITEM ORIGINALLY SPECIFIED.

16. MATERIALS SHALL BE SPECIFICATION GRADE AND UL LISTED.

17. WHERE MATERIAL IS CALLED OUT IN THE LEGEND BY MANUFACTURER, TYPE OR CATALOG NUMBER, SUCH DESIGNATIONS ARE TO ESTABLISH STANDARDS OR DESIRED QUALITY. ACCEPTANCE OR REJECTIONS OF PROPOSED SUBSTITUTIONS SHALL BE SUBJECT TO THE APPROVAL OF THE OWNER.

18. WORK SHALL BE COORDINATED WITH THAT OF OTHER TRADES TO ELIMINATE

19. EXACT LOCATIONS OF MECHANICAL EQUIPMENT, DEVICES, ETC. SHALL BE VERIFIED IN THE FIELD PRIOR TO ROUGHING FOR SAME.

20. ELECTRICAL CONTRACTOR SHALL OBTAIN SHOP DRAWINGS/SPECIFICATIONS OF ALL EQUIPMENT FROM THE GENERAL CONTRACTOR PRIOR TO PURCHASING AND INSTALLING ELECTRICAL EQUIPMENT FOR SAME. NOTIFY ENGINEER OF ANY DISCREPANCIES BETWEEN ACTUAL EQUIPMENT INSTALLED AND CONTRACT

21. ELECTRICAL WORK SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM DATE OF WHICH SYSTEM IS PUT INTO SERVICE.

22. WORK SHALL BE GROUNDED IN ACCORDANCE WITH CODE REQUIREMENTS. COMPLETE EQUIPMENT (INSULATED GREEN WIRE) GROUNDING SYSTEM SHALL BE

23. FURNISH AND INSTALL SLEEVES IN FLOORS, BEAMS, WALLS, ETC. REQUIRED FOR

24. LIGHTING FIXTURES SHALL BE INDIVIDUALLY SUPPORTED FROM THE STRUCTURAL SLAB OR STRUCTURAL BUILDING MEMBER. FIXTURES WILL NOT BE PERMITTED TO BE SUPPORTED FROM SUSPENDED CEILING OR ROOF DECK.

25. FEEDER TAPS WILL NOT BE ALLOWED IN PANELBOARD GUTTERS.

26. CONDUIT RUNS AS SHOWN ON THE PLANS ARE DIAGRAMMATIC ONLY; EXACT LOCATION AND METHOD OF SUPPORT SHALL BE DETERMINED IN THE FIELD.

27. CONTRACTOR SHALL CHECK EXISTING CONDITIONS TO DETERMINE EXACT EXTENT OF WORK TO BE PERFORMED PRIOR TO BIDDING. DIMENSIONS RELEVANT TO EXISTING WORK SHALL BE VERIFIED IN THE FIELD.

28. ELECTRICAL SHUTDOWN SHALL BE AT A TIME AND DATE APPROVED BY THE OWNER.

1P 1 POLE (2P, 3P, 4P, ETC.) PIV POST INDICATING VALVE AMPERE FUDS FUSED SAFETY DISCONNECT SWITCHNL ABOVE COUNTER OR AIR GAUGE POWER POLE CONDITIONER GALLON PR PAIR ACLG ABOVE CEILING GALV GALVANIZED PRIMARY PROJ ADO AUTOMATIC DOOR OPENER GENERAL CONTRACTOR PROJECTION AMP FRAME GENERATOR POWER ROOF VENTILATOR ABOVE FINISHED FLOOR GROUND FAULT CIRCUIT POTENTIAL TRANSFORMER ABOVE FINISHED GRADE INTERRUPTER PVC POLYVINYL CHLORIDE (CONDUIT) ARC FAULT CIRCUIT PWR POWER GFP GROUND FAULT PROTECTOR QUAN QUANTITY INTERRUPTER GROUND AIR HANDLING UNIT GALVANIZED RIGID STEEL (CONDUITIRCPT RECEPTACLE GYP BD GYPSUM BOARD ALUMINUM REQD REQUIRED ALTERNATE HOA HANDS-OFF-AUTOMATIC SWITCH RM AMPERE HORIZ HORIZONTAL RIGID STEEL CONDUIT AMPL AMPLIFIER HORSEPOWER ROOF TOP UNIT ANNUN ANNUNCIATOR HIGH POWER FACTOR SURFACE CONDUIT APPROX APPROXIMATELY SECONDARY HEIGHT AQ-STAT AQUASTAT SHEET HEATING ARCH ARCHITECT, ARCHITECTURAL SIM SIMILAR HEATER HTR AS AMP SWITCH HIGH VOLTAGE SOLID NEUTRAL AMP TRIP HVAC HEATING, VENTILATING AND AIR SPEC SPECIFICATION ATS AUTOMATIC TRANSFER SWITCH CONDITIONING SPFAKER AUTO AUTOMATIC HYDRONIC WATER PUMP AUX AUXILIARY INTERRUPTING CAPACITY SR SURFACE RACEWAY AUDIO VISUAL STAINLESS STEEL ISOLATED GROUND AMERICAN WIRE GAUGE INTERMEDIATE METAL CONDUIT SSW SELECTOR SWITCH BATT BATTERY S/S STOP/START PUSHBUTTONS INCAND INCANDESCENT STA STATION BD BOARD INFRARED BLDG BUILDING STD STANDARD INTERLOCK WITH BMS BUILDING MANAGEMENT SYSTEM J-BOX JUNCTION BOX SURF SURFACE MOUNTED CONDUIT SW SWITCH KILOVOLT SWBD SWITCHBOARD KILOVOLT-AMPERE CATALOG SYM SYMMETRICAL KVAR KILOVOLT-AMPERE REACTIVE CATV CABLE TELEVISION SYS SYSTEM KILOWATT CIRCUIT BREAKER TEL TELEPHONE KWH KILOWATT HOUR CCTV CLOSED CIRCUIT TELEVISION TEL/DATA TELEPHONE/DATA LOC LOCATE OR LOCATION CKT CIRCUIT TERM TERMINAL LIGHT CLG CEILING TWIST LOCK LTG LIGHTING COMB COMBINATION LIGHTNING TAMPER RESISTANT LTNG CMPR COMPRESSOR LOW VOLTAGE T-STAT THERMOSTAT TTC TELEPHONE TERMINAL CABINET CONN CONNECTION MAXIMUM CONST CONSTRUCTION TELEVISION MAG.S MAGNETIC STARTER TVTC TELEVISION TERMINAL CABINET CONT CONTINUATION OR CONTINUOUS M/C MOMENTARY CONTACT CONTR CONTRACTOR TYPICAL MECHANICAL CONTRACTOR CONV CONVECTOR UNDER COUNTER MAIN CIRCUIT BREAKER CIRCULATING PUMP UNDERGROUND ELECTRICAL MOTOR CONTROL CENTER CRT CATHODE-RAY TUBE UNDERGROUND MAIN DISTRIBUTION CENTER UG CURRENT TRANSFORMER MDP MAIN DISTRIBUTION PANEL UNIT HEATER UH UNDERGROUND TELEPHONE MFR MANUFACTURER CTR CENTER MAIN FUSED DISCONNECT SWITCH UTIL UTILITY COPPER UNIT VENTILATOR OR **MANHOLE** UV DCP DOMESTIC WATER CIRCULATING ULTRAVIOLET MICROPHONE PUMP VOLT MINIMUM DEPT DEPARTMENT **VOLT-AMPERES MISCELLANEOUS** DET DETAIL VIDEO DISPLAY TERMINAL MAIN LUGS ONLY DIAMETER VERT MANUAL MOTOR STARTER VERTICAL DISCONNECT DISC VFD VARIABLE FREQUENCY DRIVE MOA MULTIOUTLET ASSEMBLY DIST DISTRIBUTION MOTOR STARTER PANELBOARD VOL VOLUME MSBD MAIN SWITCHBOARD WATT DAMPER WITH MT MOUNT SAFETY DISCONNECT SWITCH WIRE GUARD EMPTY CONDUIT DOUBLE THROW MANUAL TRANSFER SWITCH WH WATER HEATER DWG DRAWING WITHOUT MOTOR, MOTORIZED ELECTRICAL CONTRACTOR NORMALLY CLOSED WEATHERPROOF ELEC ELECTRIC, ELECTRICAL NATIONAL ELECTRICAL CODE XFMR TRANSFORMER ELEV ELEVATOR XFR TRANSFER NEMA NATIONAL ELECTRICAL EMERGENCY MANUFACTURER'S ASSOCIATION ENERGY MANAGEMENT SYSTEM NON-FUSED SAFETY DISCONNECT ELECTRICAL METALLIC TUBING ELECTRIC PNEUMATIC NOT IN CONTRACT **ANGLE** EQUIP EQUIPMENT EWC ELECTRIC WATER COOLER DELTA NORMALLY OPEN EXIST EXISTING NORMAL POWER FACTOR FEET EXH EXHAUST INCHES NTS NOT TO SCALE EXP EXPLOSION PROOF # NUMBER OVERHEAD FA FIRE ALARM Ø PHASE OVERLOADS FABP FIRE ALARM BOOSTER POWER PUBLIC ADDRESS C CENTER LINE SUPPLY PANEL PULL BOX OR PUSHBUTTON P PLATE FACP FIRE ALARM CONTROL PANEL PNEUMATIC ELECTRIC FCU FAN COIL UNIT PED PEDESTAL FIXT FIXTURE POWER FACTOR FLR FLOOR PH PHASE FLUOR FLUORESCENT

ELECTRICAL ABBREVIATIONS LIST

ELECTRICAL DRAWINGS

E1.01 ELECTRICAL SITE PLANS

E1.02 ELECTRICAL BONDING PLAN

E2.01 ELECTRICAL PUMP HOUSE PLANS

E0.00 ELECTRICAL ABBREVIATIONS, SYMBOLS, LEGEND AND GENERAL NOTES

E3.01 ELECTRICAL ONE-LINES, SCHEDULES & DETAILS



IMPROVEMENTS TO THE

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Consultants:

Revisions:

Rev Date

CONSTRUCTION DOCUMENTS

SCALE: AS NOTED

JANUARY 28, 2019 CAP

Reviewed By: DNM Approved By: RFA

Drawn By:

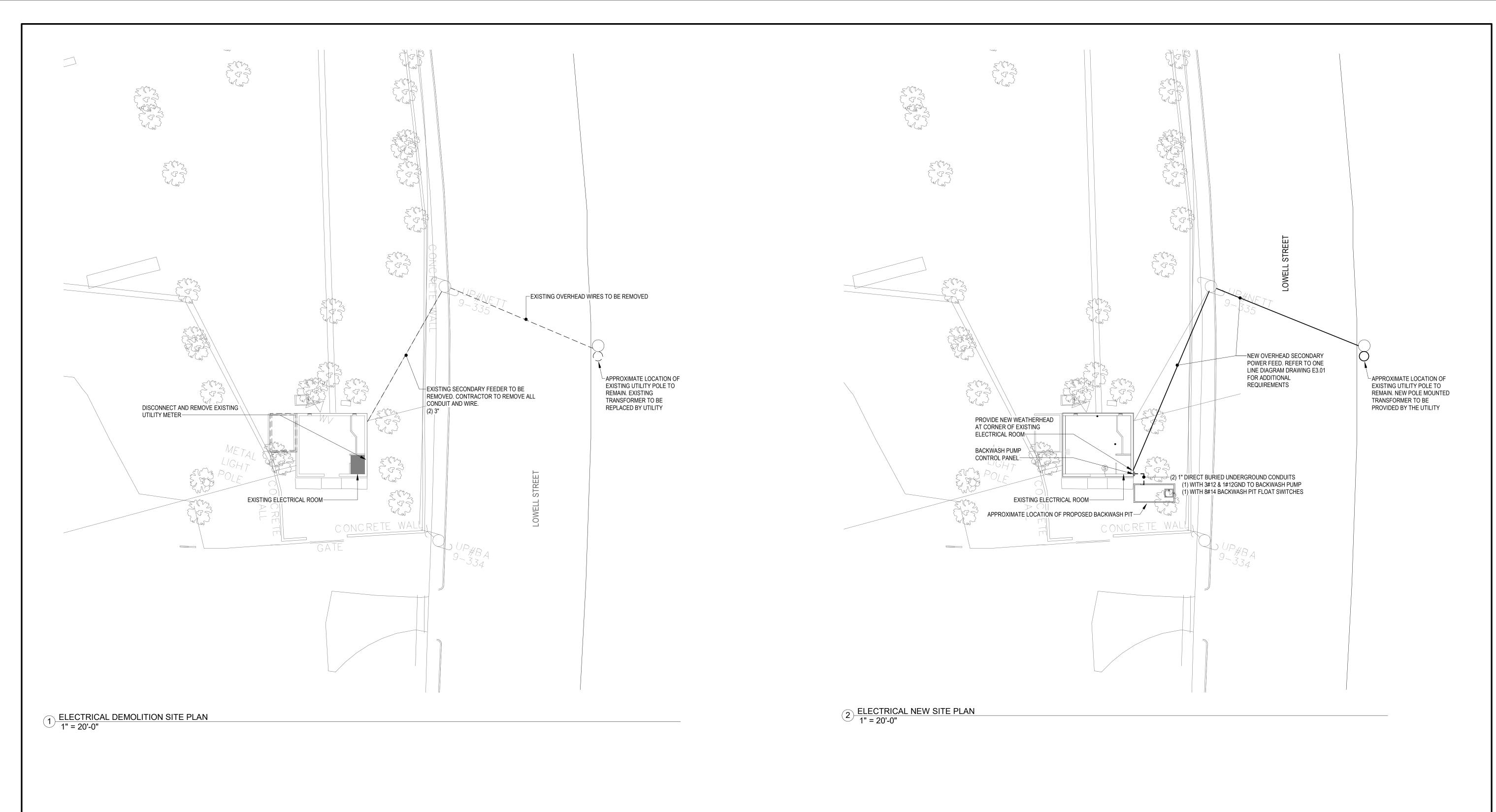
W&S Project No: 2180615

Drawing Title:

W&S File No:

ELECTRICAL ABBREVIATIONS, SYMBOLS, LEGEND AND **GENERAL NOTES**

Sheet Number:



ELECTRICAL SITE PLAN NOTES

- 1 ALL LIGHTING AND POWER CONDUCTORS SHALL BE INSTALLED BETWEEN 24" (MINIMUM) AND 36" (MAXIMUM) BELOW FINISHED GRADE.
- 2 ALL COMMUNICATIONS CONDUIT AND CABLES SHALL BE INSTALLED 36" (MINIMUM) BELOW FINISHED GRADE.

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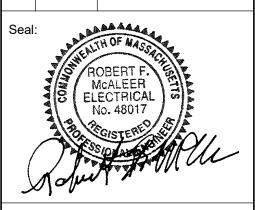


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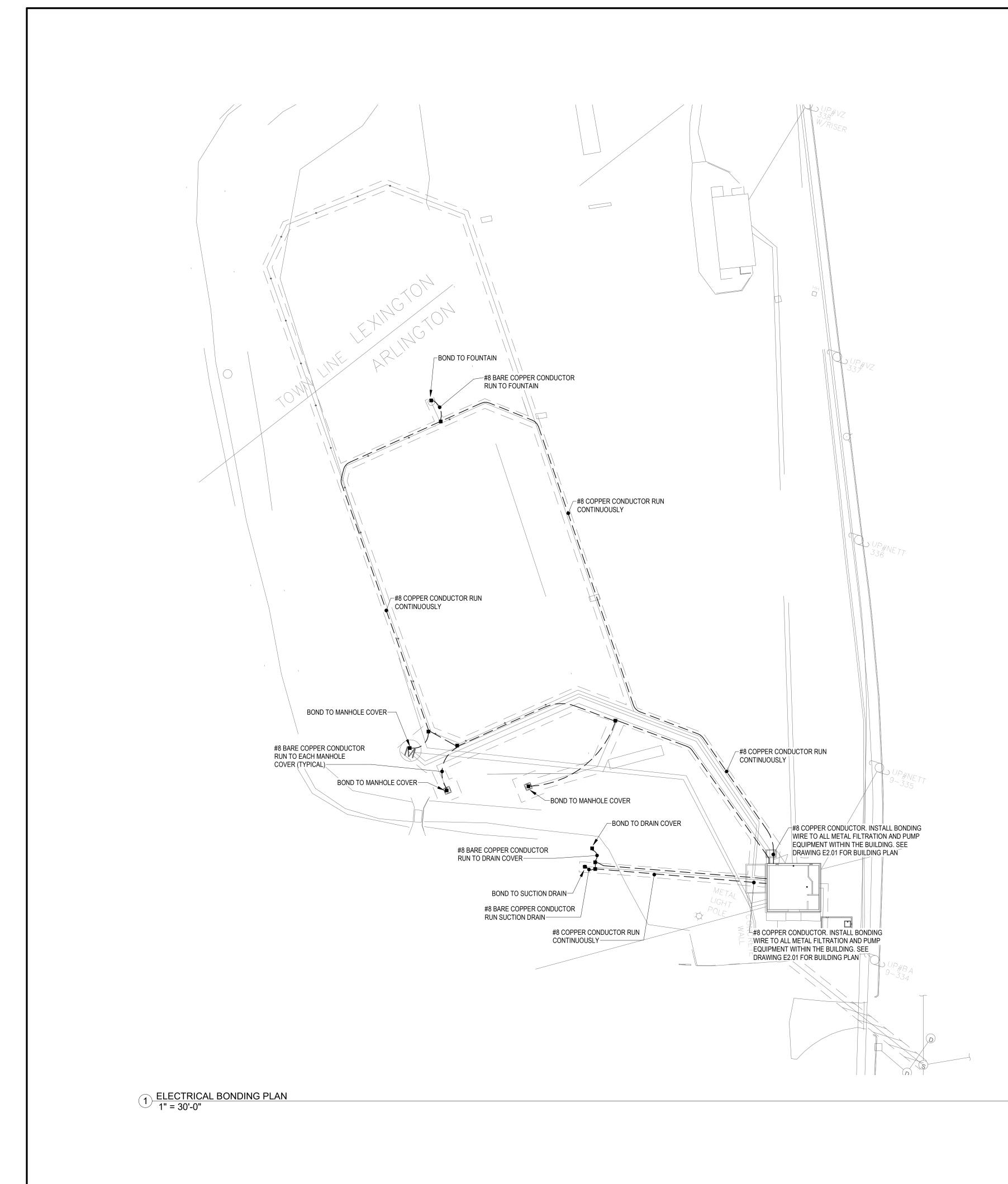
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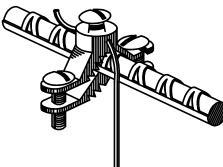
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Drawing Title:

ELECTRICAL SITE **PLANS**





BONDING DETAIL NOT TO SCALE

EQUIPOTENTIAL BONDING GRID

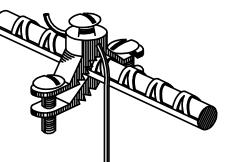
REFER TO NEC ARTICLE 680.26

EQUIPOTENTIAL BONDING GRID TO RUN CONTINUOSULY AROUND THE CONTOUR OF POOL EXTENDING 18" TO 24" FROM THE INSIDE WALLS OF THE POOL. THE 4"-6" BELOW GRADE GRID PATTERN SHALL BE SECURED WITHIN OR UNDER THE POOL DECK MEDIA. THE GRID SHALL BE CONSTRUCTED OF MINIMUM #8 AWG BARE SOLID COPPER CONDUCTORS.

EQUIPOTENTIAL BONDING CONDUCTOR SHALL COMPLY WITH FBC 2007 ALTERNATIVE AND EQUIVALENT METHOD TO NEC 2017 ARTICLE 680.26.

POOL BONDING NOTES:

- 1. ALL METALLIC PARTS OF THE SWIMMING AREA, INCLUDING THE DRAINS, FOUNTAINS, AND ALL OTHER METALLIC COMPONENTS AS REQUIRED BY CODE SHALL BE BONDED PER THE REQUIREMENTS OF THE
- 2. SOLID COPPER BONDING CONDUCTORS SHALL NOT BE SMALLER THAN NO. 8 AWG.
- 3. FURNISH AND INSTALL ANY REQUIRED GROUNDING RODS.
- 4. PROVIDE AND INSTALL BONDING CONDUCTORS THROUGHOUT THE BONDING SYSTEM WITH CONNECTION TO EACH ITEM OF THE SWIMMING AREA.
- 5. BONDING CONDUCTORS SHALL BE CONTINUOUS.
- INSULATE ANY SPLICES WITH APPROVED INSULATION KIT AND MAKE WATER TIGHT TO PROTECT FROM CORROSION AND MAINTAIN THE INTEGRITY OF THE SPLICE.
- 7. PROVIDE RED MARKING TAPE BURIED 6" TO 10" BELOW SURFACE INDICATING ANY BURIED BOND WIRES BELOW THAT EXTEND BEYOND THE PERIMETER OF THE POOL DECK.



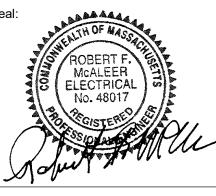
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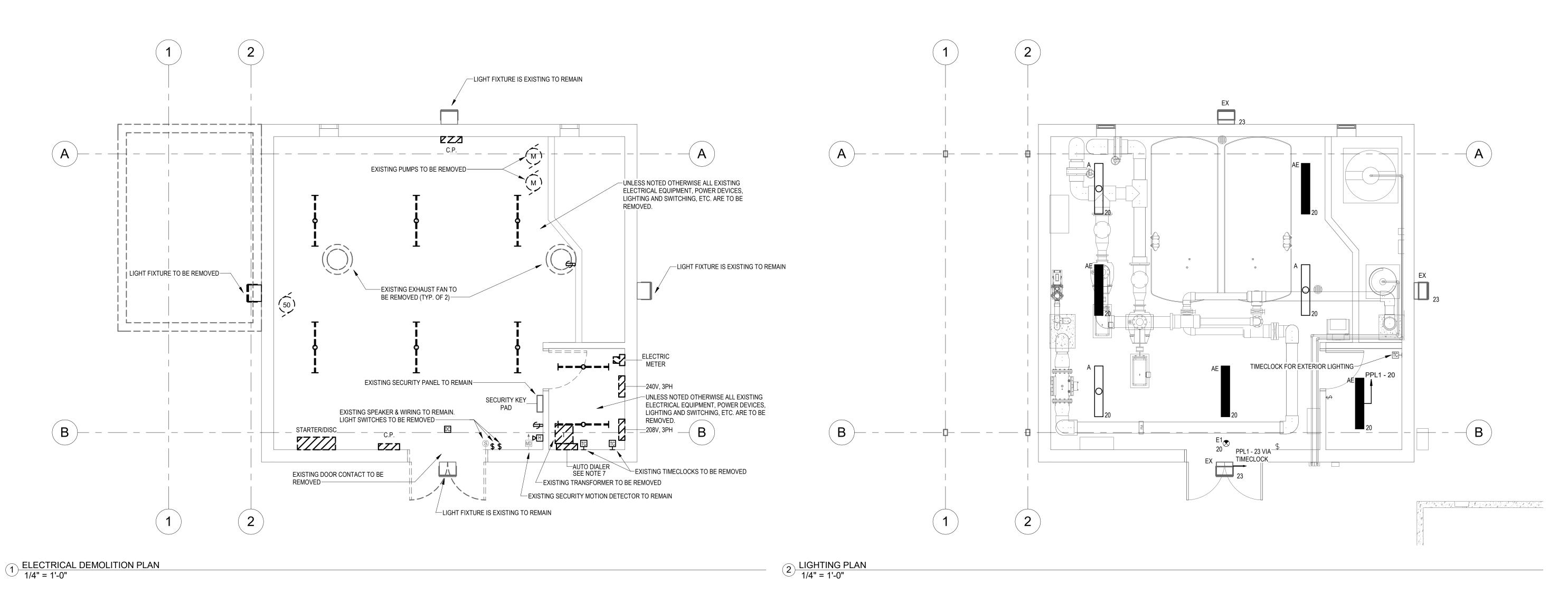
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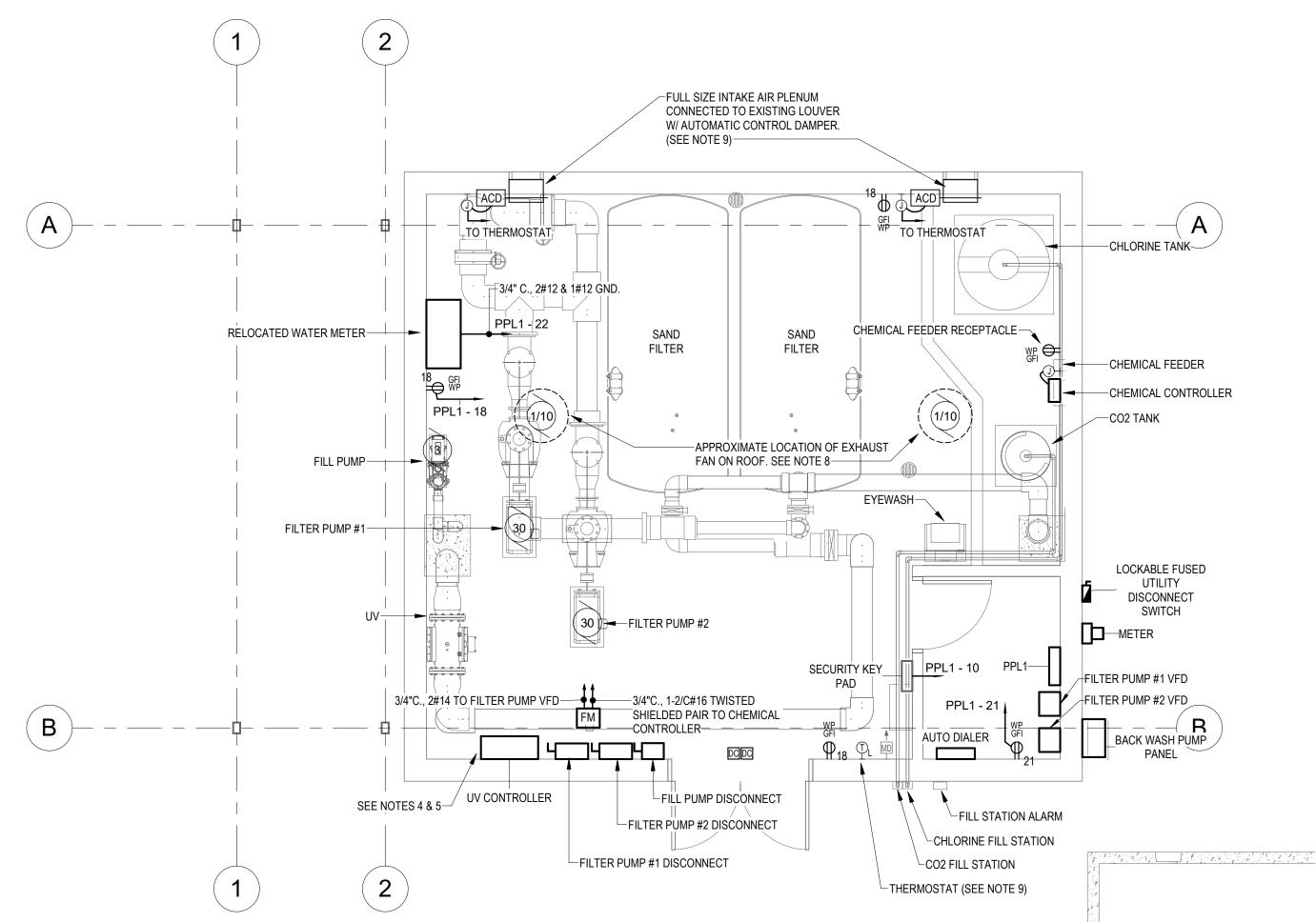
W&S Project No: 2180615 W&S File No:

Drawing Title:

ELECTRICAL **BONDING PLAN**

Sheet Number:





3 POWER PLAN 1/4" = 1'-0"

LIGHTING GENERAL NOTES

1 REFERENCE DRAWING E0.01 FOR LEGEND AND ABBREVIATIONS.
2 AREFERENCE DRAWING E3.01 FOR LIGHT FIXTURE SCHEDULE.

POWER GENERAL NOTES

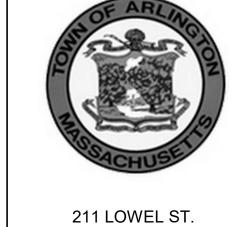
- REFER TO DRAWING E0.01 FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES.
 REFER TO DRAWING E3.01 FOR ONE-LINE DIAGRAM AND ELECTRICAL SCHEDULES.
 UNLESS NOTED OTHERWISE, ALL EQUIPMENT AND DEVICES SHALL BE RATED
- CONTRACTOR SHALL RUN (2) 1-1/4" CONDUITS FROM THE UV CONTROL PANEL TO THE UV UNIT. CONTRACTOR SHALL INSTALL UV CONTROL PANEL FURNISHED POWER CABLE WITHIN (1) 1-1/4" CONDUIT AND UV CONTROL PANEL FURNISHED MONITORING AND CONTROL CABLE IN THE OTHER 1-1/4" CONDUIT. CONTRACTOR SHALL COORDINATE UPSIZING THE CONDUIT OR REMOVAL AND REINSTALLATION OF THE CABLE END CONNECTOR TO FACILITATE CABLE INSTALLATION WITHIN THE CONDUITS.
- 5 FINAL CONNECTIONS TO THE UV UNIT SHALL BE BY QUALIFIED FACTORY TRAINED TECHNICIANS DURING THE SYSTEM STARTUP AND COMMISSIONING.
- 6 UNLESS NOTED OTHERWISE, ALL EQUIPMENT AND DEVICES WITHIN THE ELECTRICAL ROOM SHALL BE RATED NEMA 1.

START.

- 7 EXISTING AUTODIALER SHALL BE SALVAGED INCLUDING EXISTING PHONE LINES AND REINSTALLED IN NEW CABINET AND RECONNECTED.
- 8 PROVIDE (2) NEW ROOFTOP DOWNBLAST EXHAUST FANS AS MANUFACTURED BY GREEKHECK, MODEL G-090-VG. AIRFLOW: 650 CFM, ESP: 0.3 IN. WG, 1625 RPM, 1/10 HP, 115/1/60. PROVIDE GRAVITY DAMPER WITH EACH FAN. COORDINATE EXISTING ROOF CURB WITH NEW EXHAUST FAN SIZE AND PROVIDE ADAPTER/TRANSITION
- 9 AUTOMATIC CONTROL DAMPERS SHALL BE INTERLOCKED WITH EXHAUST FANS AND THERMOSTAT. EXHAUST FANS SHALL OPERATE WHEN THE SPACE TEMPERAUTRE EXCEEDS 80°F (ADJUSTABLE). UPON CALL FROM THE THERMOSTAT THE INTAKE DAMPERS SHALL OPEN AND THE EXHAUST FANS SHALL

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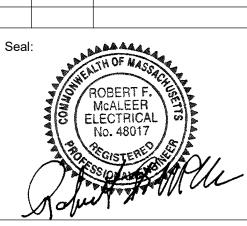


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Date: JANUARY 28, 2019

Drawn By: CAP

Reviewed By: DNM

Approved By: RFM

W&S Project No: 2180615

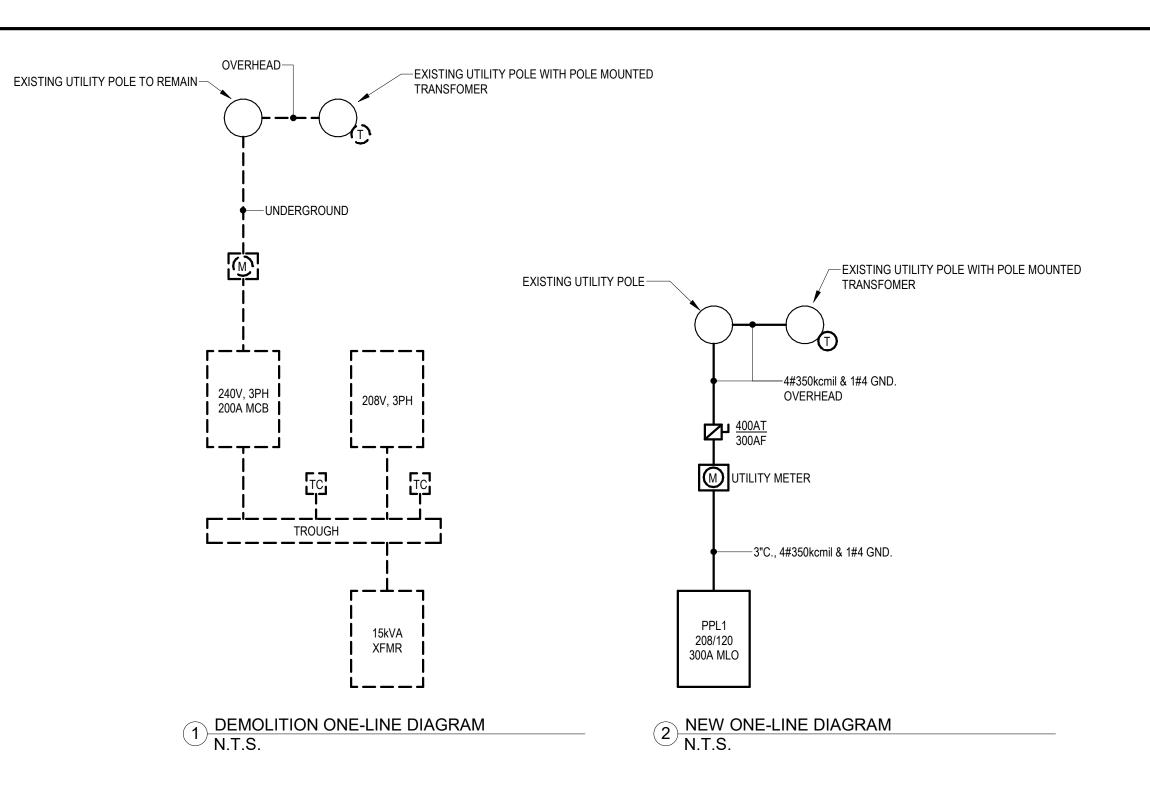
Drawing Title:

W&S File No:

ELECTRICAL PUMP HOUSE PLANS

Sheet Number:

E2.01



Branch Panel: PPL1

Location: ELECTRICAL RM
Supply From:
Mounting: SURFACE
Enclosure: NEMA 1

Volts: 208Y/120 Phases: 3 Wires: 4 A.I.C. Rating: 10,000 AMPS SYMMETRICAL
Mains Type: MAIN CB
Mains Rating: 400.0 A
MCB Rating: 300.0 A

Notes: SERVICE ENTRANCE RATED.

| СКТ | Circuit Description | Trip | Poles | _ A | 4 | В | } | (| | Poles | Trip | Circuit Description | СКТ |
|-----|---------------------|---------|----------|---------|---------|-----------|---------|---------|---------|-------|---------|----------------------|-----|
| 1 | | | | 10.6 | 10.6 | | | | | | | | 2 |
| 3 | FILTER PUMP #1 | 200.0 A | 3 | | | 10.6 | 10.6 | | | 3 | 200.0 A | FILTER PUMP #2 | 4 |
| 5 | | | | | | | | 10.6 | 10.6 | | | | 6 |
| 7 | | | | 1.3 kVA | 0.0 kVA | | | | | 1 | 20.0 A | CHEM FEED RECPT | 8 |
| 9 | FILL PUMP | 30.0 A | 3 | | • | 1.3 kVA (| 0.0 kVA | | | 1 | 20.0 A | SECURITY KEY PAD | 10 |
| 11 | | | | | | | | 1.3 kVA | 1.3 kVA | | | | 12 |
| 13 | | | | 4.0 kVA | 1.3 kVA | | | | | 3 | 30.0 A | BACK WASH PUMP PANEL | 14 |
| 15 | UV CONTROLLER | 50.0 A | 3 | | 4 | 4.0 kVA ′ | 1.3 kVA | | | | | | 16 |
| 17 | | | | | | | | 4.0 kVA | 0.5 kVA | 1 | 20.0 A | GEN PUR RECPTS | 18 |
| 19 | CHEMICAL CONTROLLER | 20.0 A | 1 | 0.0 kVA | 0.3 kVA | | | | | 1 | 20.0 A | LITES Room 207, 206 | 20 |
| 21 | RECPT ELEC RM | 20.0 A | 1 | | (| 0.0 kVA (| 0.0 kVA | | | 1 | 20.0 A | FLOW METER | 22 |
| 23 | EXTERIOR LIGHTING | 20.0 A | 1 | | | | | 0.0 kVA | 0.2 kVA | 1 | 20.0 A | EF-2 | 24 |
| 25 | EF-1 | 20.0 A | 1 | 0.2 kVA | 0.0 kVA | | | | | 1 | 20.0 A | HVAC CONTROLS | 26 |
| 27 | | | | | (| 0.0 kVA (| 0.0 kVA | | | 1 | 20.0 A | SPARE | 28 |
| 29 | SPARE | 30.0 A | 3 | | | | | 0.0 kVA | 0.0 kVA | 1 | 20.0 A | SPARE | 30 |
| 31 | | | | 0.0 kVA | 0.0 kVA | | | | | 1 | 20.0 A | SPARE | 32 |
| 33 | SPARE | 20.0 A | 1 | | (| 0.0 kVA (| 0.0 kVA | | | 1 | 20.0 A | SPARE | 34 |
| 35 | SPARE | 20.0 A | 1 | | | | | 0.0 kVA | 0.0 kVA | 1 | 20.0 A | SPARE | 36 |
| 37 | SPARE | 20.0 A | 1 | 0.0 kVA | 0.0 kVA | | | | | 1 | 20.0 A | SPARE | 38 |
| 39 | SPARE | 20.0 A | 1 | | (| 0.0 kVA | 0.0 kVA | | | 1 | 20.0 A | SPARE | 40 |
| 41 | SPARE | 20.0 A | 1 | | | | | 0.0 kVA | 0.0 kVA | 1 | 20.0 A | SPARE | 42 |
| | | Tota | al Load: | 28.2 | kVA | 27.8 | kVA | 28.4 | kVA | | 1 | 1 | |
| | | Tota | l Amps: | 235 | .8 A | 231.4 | 4 A | 237 | .6 A | | | | |

| Total Panel Load: | 68 kVA |
|-------------------|---------|
| Total Panel Amps: | 190.1 A |
| | |

| Notes: |
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| | | | | | | | EQUIPME | NT SCHED | ULE | | | |
|----------------------|-------|-------|---|----------|--------|---------|---------|----------|---------------------------|------------------|----------|----------------------------------|
| LOAD INFORMATION | | | | | BKR | | | | | | | |
| EQUIPMENT | LOAD | VOLT | Р | kVA | AMPS | AMPS | PANEL | CKT# | WIRING | LOCAL DISC. SW | STARTER | REMARKS |
| HVAC | ' | | | | | | | | | | | |
| EF-1 | 1/10 | 120 V | 1 | 0.2 kVA | 1.5 A | 20.0 A | PPL1 | 25 | 3/4" C., 2#12 & 1#12 GND. | 20A/1P | INTEGRAL | DISCONNECT PROVIDED WITH UNIT |
| EF-2 | 1/10 | 120 V | 1 | 0.2 kVA | 1.5 A | 20.0 A | PPL1 | 24 | 3/4" C., 2#12 & 1#12 GND. | 20A/1P | INTEGRAL | DISCONNECT PROVIDED WITH UNIT |
| PROCESS | , | | 1 | | | | | 1 | | | | |
| BACK WASH PUMP PANEL | 3 HP | 208 V | 3 | 4.0 kVA | 11.0 A | 30.0 A | PPL1 | 12,14,16 | 3/4" C., 3#12 & 1#12 GND. | 30A/3P | N/A | |
| CHEM FEED RECPT | - | 120 V | 1 | 0.0 kVA | 0.0 A | 20.0 A | PPL1 | 8 | 3/4" C., 2#12 & 1#12 GND. | 5-20R RECEPTACLE | N/A | |
| CHEMICAL CONTROLLER | - | 120 V | 1 | 0.0 kVA | 0.0 A | 20.0 A | PPL1 | 19 | 3/4" C., 2#12 & 1#12 GND. | N/A | N/A | |
| FILL PUMP | 3 HP | 208 V | 3 | 4.0 kVA | 11.0 A | 30.0 A | PPL1 | 7,9,11 | 3/4" C., 3#12 & 1#12 GND. | 30A/3P | VFD | VFD PROVIDED WITH UNIT |
| FILTER PUMP #1 | 30 HP | 208 V | 3 | 31.7 kVA | 88.0 A | 200.0 A | PPL1 | 1,3,5 | 1 1/2" C., 3#1 & 1#6 GND. | 125A/3P | VFD | VFD PROVIDED WITH UNIT |
| FILTER PUMP #2 | 30 HP | 208 V | 3 | 31.7 kVA | 88.0 A | 200.0 A | PPL1 | 2,4,6 | 1 1/2" C., 3#1 & 1#6 GND. | 125A/3P | VFD | VFD PROVIDED WITH UNIT |
| UV CONTROLLER | 12 KW | 208 V | 3 | 12.0 kVA | 33.3 A | 50.0 A | PPL1 | 13,15,17 | 1" C., 3#6 & 1#10 GND. | N/A | N/A | |

| LIGHTING FIXTURE SCHEDULE | | | | | | | | | |
|---------------------------|---|------------------|---------------------------|--------------|-----------|-------|------|------|--|
| TYPE | DESCRIPTION | MFR | CATALOG NUMBER | LAMP | MOUNTING | VOLT | WATT | NOTE | |
| Α | 1X4 ENCLOSED AND GASKETED LED FIXTURE | COOPER | 4VT2-LD4-4-DR-UNV-L835-CD | 4000lm 3500K | SURFACE | 120 V | 38 W | | |
| | | LIGHTING/METALUX | 1-WL-TEH | LED | | | | | |
| AE | 1X4 ENCLOSED AND GASKETED LED FIXTURE. PROVIDE WITH EMERGENCY LED DRIVER | COOPER | 4VT2-LD4-4-DR-UNV-EL10W-L | 4000lm 3500K | SURFACE | 120 V | 38 W | | |
| | | LIGHTING/METALUX | 835-CD1-WL-TEH | LED | | | | | |
| E1 | CEILING EXIT LIGHT. NUMBER OF FACES AND ARROWS AS SHOWN ON THE FLOOR PLAN | COOPER/ISOLITE | RL-AC-R-WH-UN-SD | LED | UNIVERSAL | 120 V | 2 W | | |
| E1 | CEILING EXIT LIGHT. NUMBER OF FACES AND ARROWS AS SHOWN ON THE FLOOR PLAN | COOPER/ISOLITE | RL-AC-R-WH-UN-SD | LED | UNIVERSAL | 120 V | 2 V | N | |

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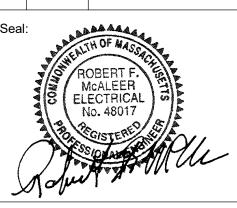
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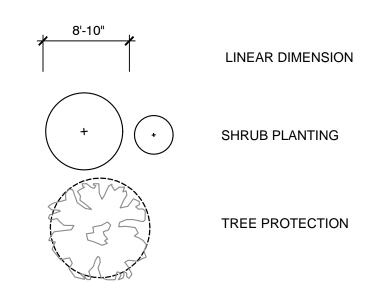
Drawing Title:

ELECTRICAL ONE-LINES, SCHEDULES & DETAILS

Sheet Number:

F3 01

LEGEND:



PLANTING SCHEDULE:

| SHRUE | 3S | | | | |
|-------|-----|---------------------|----------------|------------|-------|
| ABRV. | QTY | BOTANICAL NAME | COMMON NAME | CONT. | NOTES |
| CA | 6 | CORNUS ALTERNIFOLIA | PAGODA DOGWOOD | 5' HT. B&B | |

DEMOLITION & SITE PREPARATION NOTES

- 1. THE CONTRACTOR SHALL INCLUDE IN THE BID THE COST OF REMOVING ANY EXISTING SITE FEATURES AND APPURTENANCES NECESSARY TO ACCOMPLISH THE CONSTRUCTION OF THE PROPOSED SITE IMPROVEMENTS. THE CONTRACTOR SHALL ALSO INCLUDE IN THE BID THE COST NECESSARY TO RESTORE SUCH ITEMS IF THEY ARE SCHEDULED TO REMAIN AS PART OF THE FINAL SITE IMPROVEMENTS. REFER TO PLANS TO DETERMINE EXCAVATION AND DEMOLITION REQUIREMENTS AND TO DETERMINE THE LOCATION OF THE PROPOSED SITE IMPROVEMENTS.
- 2. THE OWNER RESERVES THE RIGHT TO REVIEW ALL MATERIALS DESIGNATED FOR REMOVAL AND TO RETAIN OWNERSHIP OF SUCH MATERIALS. IF THE OWNER RETAINS ANY MATERIAL THE CONTRACTOR SHALL MAKE ARRANGEMENTS WITH THE OWNER TO HAVE THOSE MATERIALS REMOVED OFF SITE TO A DESIGNATED MUNICIPAL PROPERTY AT NO ADDITIONAL COST. ALL GEOTECHNICALLY OR UNSUITABLE UNCONTAMINATED EXCESS SOIL FROM CONSTRUCTION ACTIVITIES SHALL BE DISPOSED OF BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE TOWN. REMOVAL ACTIVITIES SHALL BE ACCORDANCE WITH STATE AND LOCAL REGULATIONS AT NO ADDITIONAL COST TO THE TOWN.
- 3. UNLESS SPECIFICALLY NOTED TO BE REMOVED AND STOCKPILED (R&S) OR REUSED AND RELOCATED (R&R), ALL SITE FEATURES CALLED TO BE REMOVED AND DEMOLISHED (R&D) SHALL BE REMOVED WITH THEIR FOOTINGS, ATTACHMENTS, BASE MATERIAL, ETC. TRANSPORTED FROM THE SITE TO BE DISPOSED OF IN A LAWFUL MANNER AT AN ACCEPTABLE DISPOSAL SITE AND AT NO ADDITIONAL COST TO THE OWNER.
- 4. ALL EXISTING SITE FEATURES TO REMAIN SHALL BE PROTECTED THROUGHOUT THE CONSTRUCTION PERIOD. ANY FEATURES DAMAGED DURING CONSTRUCTION OPERATIONS SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER AND/OR OWNER'S REPRESENTATIVE AT NO ADDITIONAL COST.
- 5. DURING EARTHWORK OPERATIONS, CONTRACTOR SHALL TAKE CARE TO NOT DISTURB EXISTING MATERIALS TO REMAIN, OUTSIDE THE LIMITS OF EXCAVATION AND BACKFILL AND SHALL TAKE WHATEVER MEASURES NECESSARY, AT THE CONTRACTOR'S EXPENSE, TO PREVENT ANY EXCAVATED MATERIAL FROM COLLAPSING. ALL BACKFILL MATERIALS SHALL BE PLACED AND COMPACTED AS SPECIFIED TO THE SUBGRADE REQUIRED FOR THE INSTALLATION OF THE REMAINDER OF THE CONTRACT WORK
- 6. THE CONTRACTOR SHALL PROTECT EXISTING TREES TO REMAIN. CONTRACTOR SHALL TAKE DUE CARE TO PREVENT INJURY TO TREES DURING CLEARING OPERATIONS.
- 7. THE STORAGE OF MATERIALS AND EQUIPMENT WILL BE PERMITTED AT LOCATIONS DESIGNATED BY OWNER OR OWNER'S REPRESENTATIVE. PROTECTION OF STORED MATERIALS AND EQUIPMENT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

LAYOUT NOTES

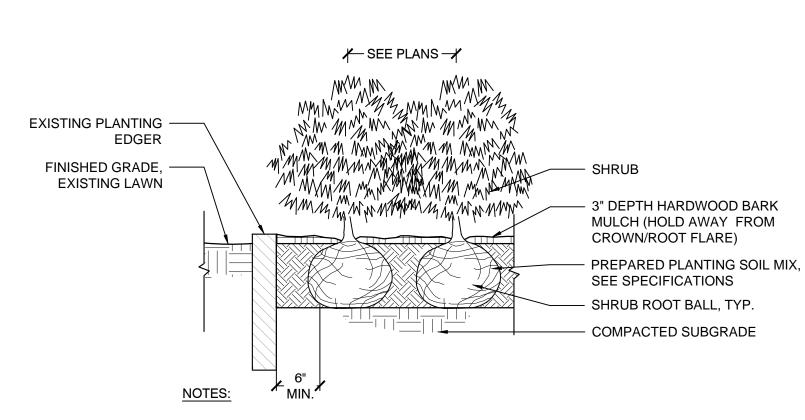
- 1. COORDINATE ALL LAYOUT ACTIVITIES WITH THE SCOPE OF WORK CALLED FOR BY DEMOLITION, GRADING AND UTILITIES OPERATIONS ENCOMPASSED BY THIS CONTRACT. SET, PROTECT AND REPLACE REFERENCE STAKES AS NECESSARY OR AS REQUIRED BY THE OWNER'S REPRESENTATIVE.
- 2. THE LAYOUT OF SITE AMENITIES AND FENCES MUST BE APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
- 3. ALL PROPOSED SITE FEATURES SHALL BE LAID OUT AND STAKED 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 AND SHALL BE TREATED WITH AN RS-1 TACK COAT AT POINT OF CONNECTION. ALL PATHWAY WIDTHS SHALL BE AS NOTED ON THE LAYOUT AND MATERIALS PLAN.
- 5. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND GRADES ON THE GROUND AND REPORT ANY DISCREPANCIES IMMEDIATELY TO THE OWNER.
- 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD MEASUREMENTS OF ALL PROPOSED FENCES, GATES.

PLANTING NOTES:

- 1. COORDINATE ALL PLANTING ACTIVITIES WITH THE SCOPE OF WORK CALLED FOR BY THE PLANS ENCOMPASSED BY THIS CONTRACT.
- 2. ALL PLANT MATERIAL SHALL BE TAGGED AND APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
- 3. THE CONTRACTOR SHALL IDENTIFY PROPOSED PLANT LOCATIONS PRIOR TO PLACEMENT WITH A STAKE AND COORDINATE WITH THE OWNER'S REPRESENTATIVE TO MAKE ANY NECESSARY ADJUSTMENTS BEFORE ACTUAL PLACEMENT. THE CONTRACTOR SHALL NOT PLACE NEW TREES DIRECTLY UNDER OVERHEAD WIRES OR ABOVE UTILITY LINES.
- 4. ALL EXISTING TREES TO REMAIN AND BE PROTECTED ARE TO BE PRUNED FOR CROWN CLEANING AND DEADWOOD REMOVAL. SEE SPECS.
- 5. PLANT LOCATIONS SHOWN ON THIS PLAN ARE APPROXIMATE ONLY AND SHALL BE APPROVED IN THE FIELD BY THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.

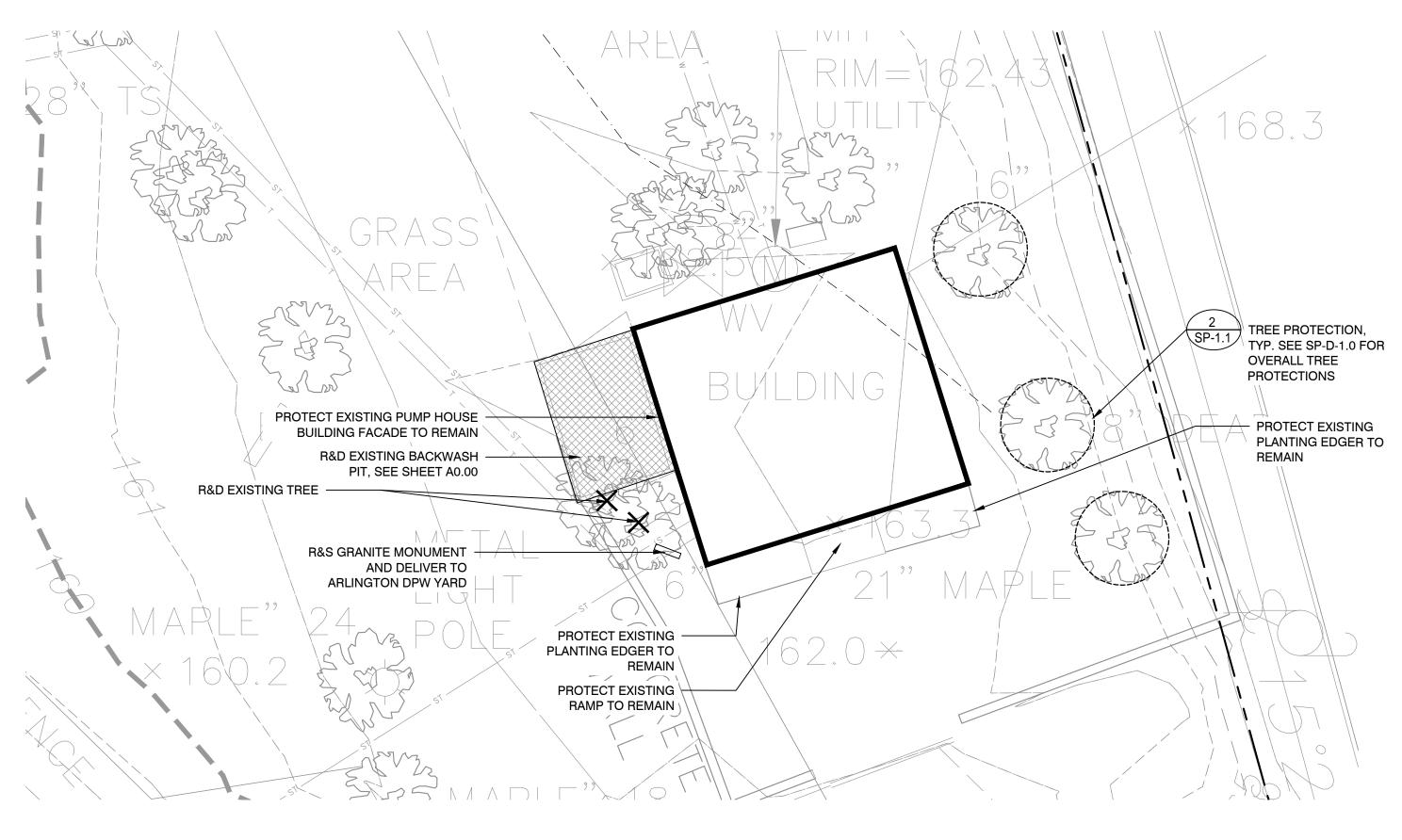
SPECIAL NOTES:

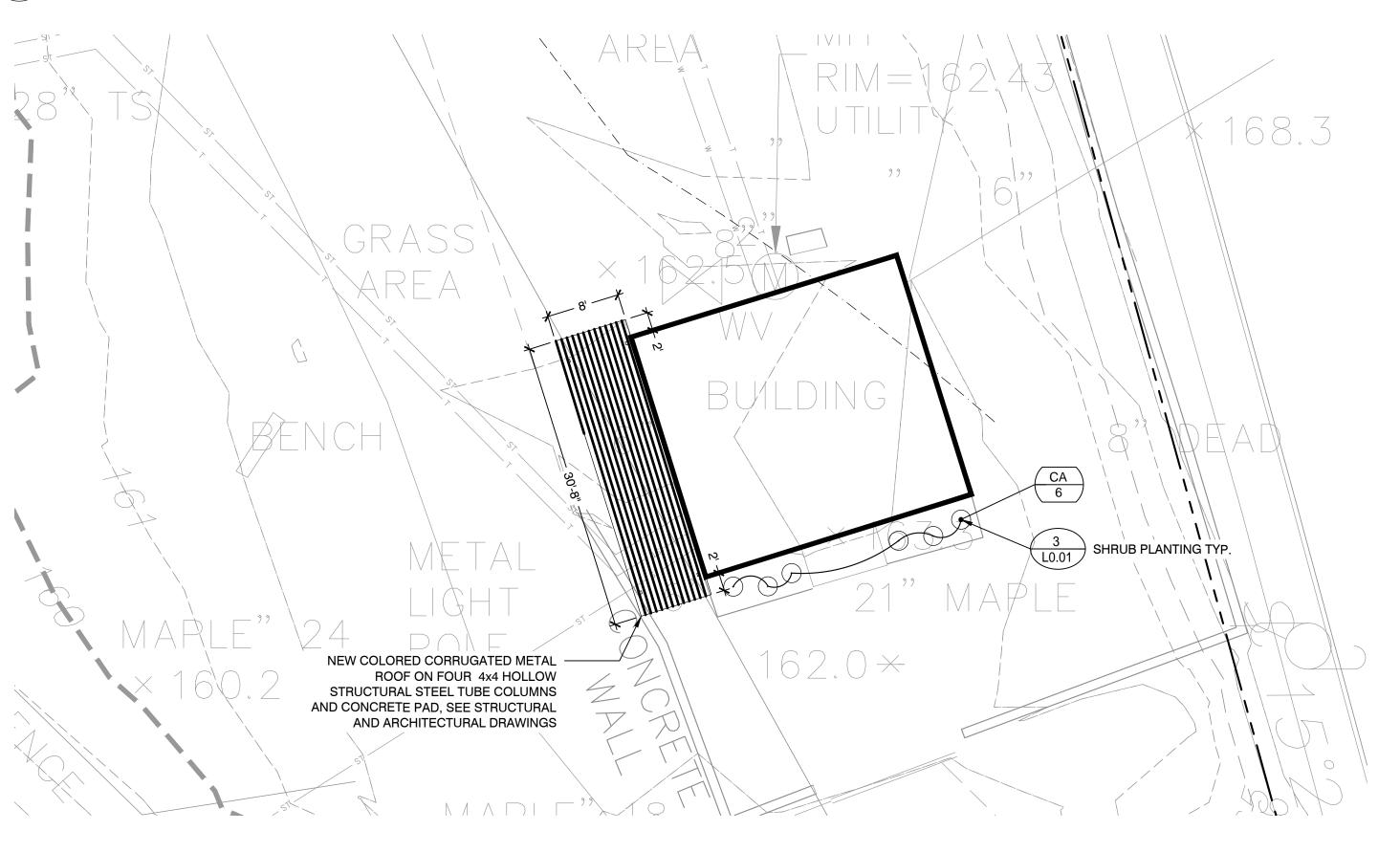
1. THE CONTRACTOR SHALL FABRICATE AND INSTALL A METAL SIGN TO REPLACE THE LCWF-FUNDED GRANITE MONUMENT. THE SIGN SHALL BE AFFIXED TO THE EXISTING CHAIN LINK FENCE IN A LOCATION TO BE DETERMINED IN THE FIELD BY THE OWNER'S REPRESENTATIVE. SEE SPECIFICATIONS.



1. ALL MULCH MUST BE DARK IN COLOR. PROVIDE SAMPLE PRIOR TO INSTALLATION TO BE APPROVED BY OWNER'S REPRESENTATIVE.





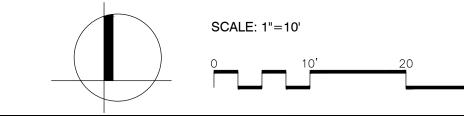


PUMP HOUSE LAYOUT, MATERIALS & PLANTING PLAN

SCALE: 1" = 10'-0"

PUMP HOUSE SITE PREPARATION & DEMOLITION PLAN

SCALE: 1" = 10'-0"



IMPROVEMENTS TO THE ARLINGTON RESERVOIR

210 LOWELL ST, ARLINGTON, MA 02474

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Consultants:

Seal:

Se

Description

CONSTRUCTION DOCUMENTS

Date: 01/28/2019

Drawn By: CBB

Reviewed By: CFR

Approved By: CFR

W&S Project No: 2180615

Drawing Title:

W&S File No:

PLANTING AT PUMP HOUSE BUILDING

Sheet Number:

L1.01