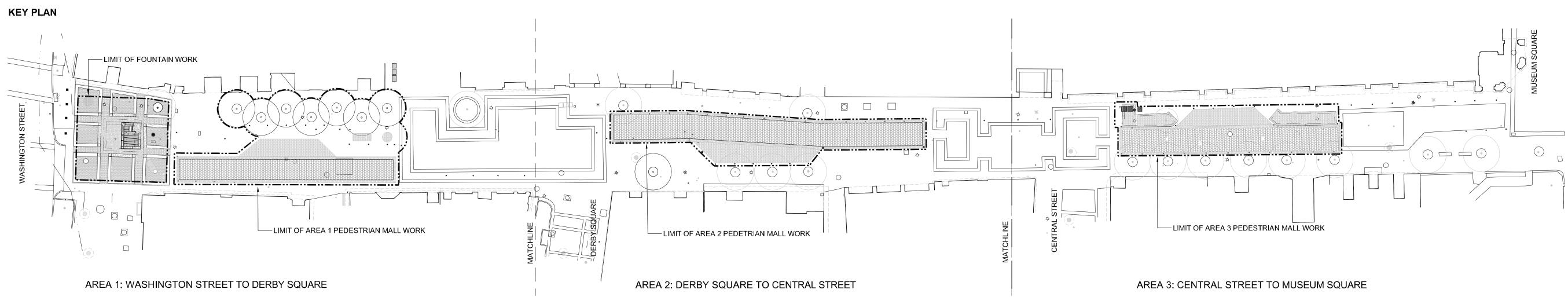
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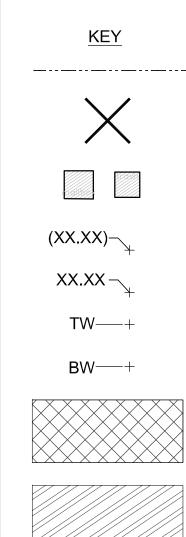
FOUNTAIN REPAIR SCOPE & PEDESTRIAN MALL SCOPE

100 % CONSTRUCTION DOCUMENTS APRIL 17, 2013





LEGEND



NOTE
 LIMIT OF WORK
REMOVE AND DISPOSE
MAILBOX AND WASTE RECEPTACLE TO BE RELOCATED.
EXISTING SPOT GRADE
PROPOSED SPOT GRADE
TOP OF WALL
BOTTOM OF WALL
DEMOLISH AND DISPOSE OF FOUNTAIN BASIN, KIOSK, WALLS, AND PLANTERS. INFILL GROUND PLANE AS INDICATED ON SHEETS L2.01-L2.02

EXISTING BRICK AND COBBLE TO BE REMOVED AND STOCKPILED FOR REUSE. REFER TO SPOT GRADES PER SHEET L 2.01- L 2.02 AND PAVING DETAILS PER SHEET. L4.04

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FOUNTAIN REPAIR SCOPE

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PEDESTRIAN MALL SCOPE

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GENERAL NOTES

1. ALL GENERAL NOTES APPLY TO ALL SHEETS

NOTES, KEY PLAN

TAILS TAILS EE SCHEDULE

ID GENERAL NOTES I PLAN PLAN FOUNTAIN PLAN AND DETAILS

ING SYSTEM WATER FEATURE ELECTRICAL SYSTEM

> AND LAYOUT AND LAYOUT AND TREE SCHEDULE

> ND GENERAL NOTES ON PLAN rk plan ES AND DETAILS

- 2. THE EXISTING CONDITIONS WERE COMPILED FROM A SURVEY OF THE SITE PREPARED BY PATROWICZ LAND DEVELOPMENT ENGINEERING, 14 BROWN STREET, SALEM, MA 01970, 978-836-6400 CELL, 978-745-4110 FAX. ALTHOUGH EVERY EFFORT HAS BEEN MADE TO ACCURATELY REPRESENT ALL CONDITIONS, ACTUAL CONDITIONS MAY VARY FROM THOSE SHOWN. THE CONTRACTOR SHALL MAKE A FULL REVIEW OF ALL VISIBLE EXISTING CONDITIONS OF THE SITE BEFORE STARTING WORK AND SHALL REPORT DISCREPANCIES TO THE LANDSCAPE ARCHITECT. SUBSURFACE CONDITIONS AT PAVING AND FOUNTAIN VARY AND ARE UNKNOWN. CONSTRUCTION CONTRACTOR SHALL USE EXTREME CAUTION WHEN EXCAVATING AND REMOVING EXISTING WORK AS TO NOT DISTURB PERMANENT CONDITIONS BELOW PAVING AND FOUNTAIN. NOTIFY OWNER AND LANDSCAPE ARCHITECT OF ALL DISCREPANT CONDITIONS AND COORDINATE EXISTING WITH THE DESIGN INTENT. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ACTUAL EXISTING CONDITIONS AS THEY EXIST ON SITE.
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL THE COORDINATION TO COMPLETE THE WORK SHOWN ON THE DRAWINGS.
- 4. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH ALL UTILITIES ABOVE GRADE, AT GRADE, AND UNDERGROUND, INCLUDING UTILITY PIPES AND STRUCTURES. THE CONTRACTOR SHALL NOTIFY DIG SAFE (811) TO VERIFY UTILITY LOCATIONS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL TAKE SOLE RESPONSIBILITY FOR THE COST INCURRED DUE TO DAMAGE AND REPLACEMENT OF ALL UTILITIES ON SITE.
- 5. CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN NOT DISTURBING EXISTING UTILITIES TO REMAIN.
- 6. THE CONTRACTOR PREPARE AND SUBMIT A CONSTRUCTION SCHEDULE TO LANDSCAPE ARCHITECT AND UPDATE SCHEDULE PERIODICALLY TO REFLECT ACTUAL CONSTRUCTION PROGRESS AND ACTIVITIES.
- 7. THE CONTRACTOR SHALL REPAIR OR REMOVE AND REPLACE DEFECTIVE CONSTRUCTION, AND RESTORE DAMAGED SUBSTRATES AND FINISHES. REPAIRING INCLUDES REPLACING DEFECTIVE PARTS, REFINISHING DAMAGED SURFACES, TOUCHING UP WITH MATCHING MATERIALS, AND PROPERLY ADJUSTING OPERATING EQUIPMENT. THE CONTRACTOR SHALL RESTORE PERMANENT FACILITIES USED DURING CONSTRUCTION TO THEIR SPECIFIED CONDITION. THE CONTRACTOR SHALL REMOVE AND REPLACE DAMAGED SURFACES THAT ARE EXPOSED TO VIEW IF SURFACES CANNOT BE REPAIRED WITHOUT VISIBLE EVIDENCE OF REPAIR. THE CONTRACTOR SHALL REPAIR COMPONENTS THAT DO NOT OPERATE PROPERLY.
- 8. MAINTAIN EXISTING UTILITIES INDICATED TO REMAIN IN SERVICE AND PROTECT THEM AGAINST DAMAGE DURING SELECTIVE DEMOLITION

OPERATIONS. DO NOT INTERRUPT UTILITIES SERVING USED AREAS WITHOUT FIRST OBTAINING PERMISSION FROM THE UTILITY COMPANY AND THE OWNER. PROVIDE TEMPORARY SERVICES AS REQUIRED.

- 9. DUST AND NOISE CONTROL: TAKE EFFECTIVE MEASURES TO PREVENT WINDBLOWN DUST AND TO CONTROL NOISE TO AVOID CREATING A NUISANCE. OBTAIN LANDSCAPE ARCHITECT'S AND OWNER'S APPROVAL OF MEANS, METHODS AND TECHNIQUES USED TO CONTROL DUST AND NOISE. AVOID CREATING ICE HAZARDS IN FREEZING WEATHER. CONDUCT DEMOLITION OPERATIONS AND REMOVE DEBRIS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS, AND OTHER ADJACENT OCCUPIED AND USED FACILITIES. CONDUCT DEMOLITION OPERATIONS TO PREVENT INJURY TO PEOPLE AND DAMAGE TO ADJACENT BUILDINGS, FACILITIES, VEGETATION, AND SITE IMPROVEMENTS TO REMAIN. ENSURE SAFE PASSAGE OF PEOPLE AROUND SELECTIVE DEMOLITION AREA. ALL WORK SHALL BE EXECUTED IN A MANNER THAT TAKES EVERY AND ALL PRECAUTIONS TO ASSURE SAFE WORK OPERATIONS.
- 10. THE PROPOSED GRADING IS BASED UPON EXISTING CONDITIONS INFORMATION PROVIDED BY THE SURVEY. THE CONTRACTOR SHALL FIELD VERIFY GRADES AND NOTIFY THE LANDSCAPE ARCHITECT OF ANY DISCREPANCIES FOR RESOLUTION PRIOR TO STARTING CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL NOT PROCEED UNDER UNCERTAINTY AND SHALL ASSUME FULL RESPONSIBILITY AND ALL COSTS FOR REVISIONS DUE TO FAILURE TO GIVE SUCH NOTIFICATION.
- 11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR POSITIVE SURFACE DRAINAGE IN ALL AREAS. ALL NEWLY GRADED GROUND SURFACES SHALL BE FINISHED TO UNIFORM GRADES AND SLOPED IN SUCH A MANNER AS TO DRAIN PROPERLY AND BE FREE OF DEPRESSIONS WHICH CAUSE STANDING WATER.
- 12. WHERE PROPOSED GRADES MEET EXISTING, BLEND GRADES TO PROVIDE A SMOOTH TRANSITION BETWEEN NEW WORK AND THE EXISTING WORK. PONDING AT JOINTS WILL NOT BE ACCEPTED.
- 13. EXCEPT FOR ITEMS OR MATERIALS INDICATED BY OWNER TO BE REUSED, SALVAGED, OR REINSTALLED, DEMOLISHED MATERIALS SHALL BECOME THE CONTRACTOR'S PROPERTY AND SHALL BE REMOVED FROM THE SITE WITH FURTHER DISPOSITION AT THE CONTRACTOR'S OPTION.
- 14. FINAL CLEANING: USE CLEANING MATERIALS AND AGENTS RECOMMENDED BY MANUFACTURER OR FABRICATOR OF THE SURFACE TO BE CLEANED. DO NOT USE CLEANING AGENTS THAT ARE POTENTIALLY HAZARDOUS TO HEALTH OR PROPERTY OR THAT MIGHT DAMAGE FINISHED SURFACES. COMPLY WITH MANUFACTURER'S WRITTEN INSTRUCTIONS. COMPLY WITH SAFETY STANDARDS FOR CLEANING. CONDUCT CLEANING AND WASTE-REMOVAL OPERATIONS TO COMPLY WITH LOCAL LAWS AND ORDINANCES AND FEDERAL AND LOCAL ENVIRONMENTAL AND ANTIPOLLUTION REGULATIONS. DO NOT BURN WASTE MATERIALS. DO NOT BURY DEBRIS OR EXCESS MATERIALS ON OWNER'S PROPERTY. DO NOT DISCHARGE VOLATILE, HARMFUL, OR DANGEROUS MATERIALS INTO DRAINAGE SYSTEMS. REMOVE WASTE MATERIALS FROM PROJECT SITE AND DISPOSE OF LAWFULLY. COMPLETE THE FOLLOWING CLEANING OPERATIONS BEFORE

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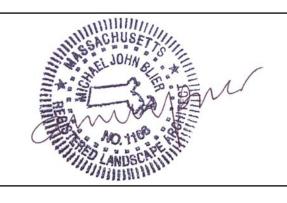
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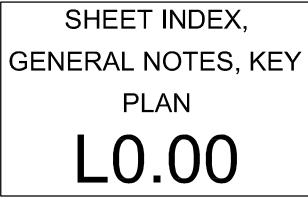
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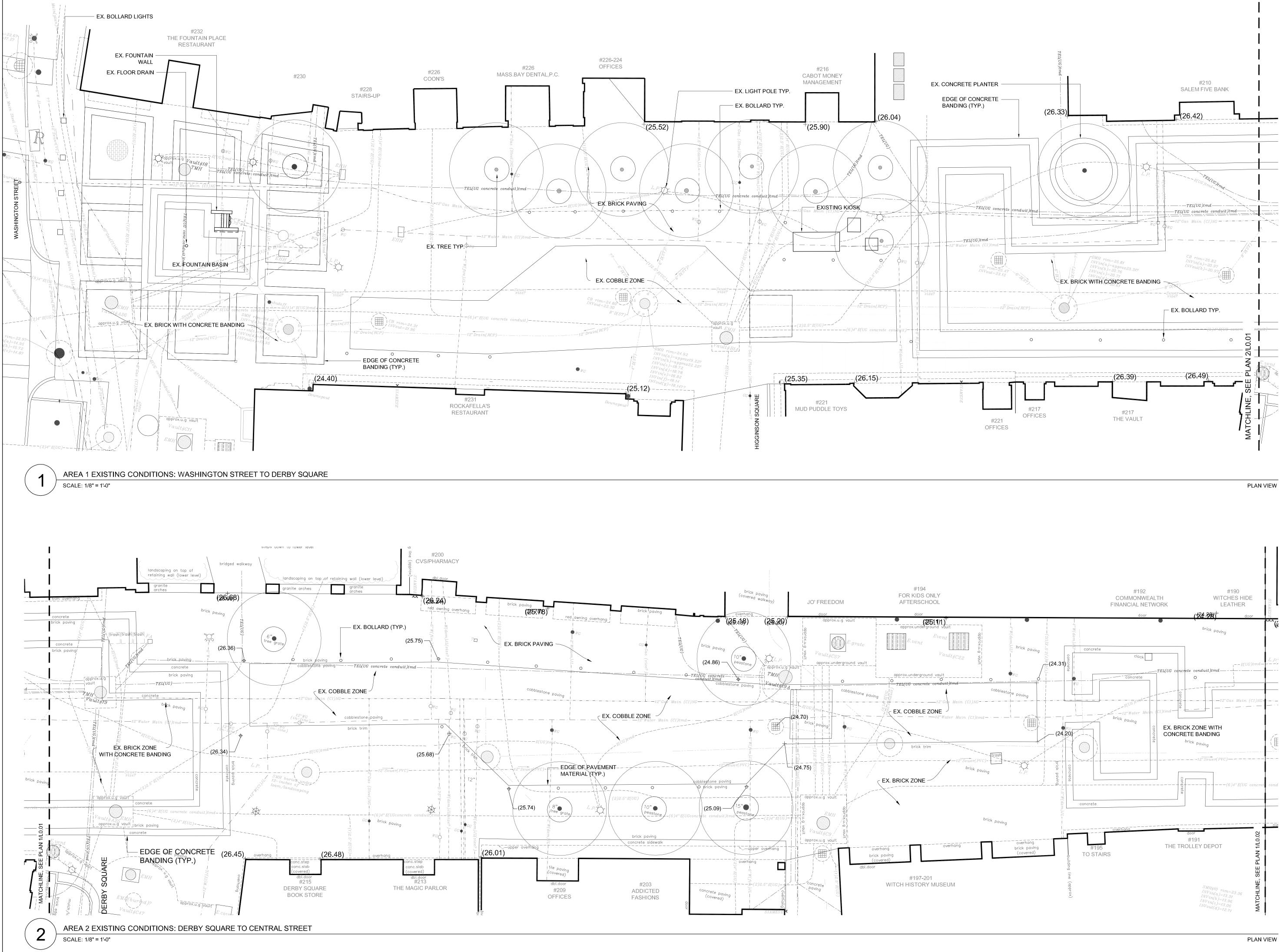




REQUESTING INSPECTION FOR CERTIFICATION OF FINAL ACCEPTANCE FOR ENTIRE PROJECT OR FOR A PORTION OF PROJECT:

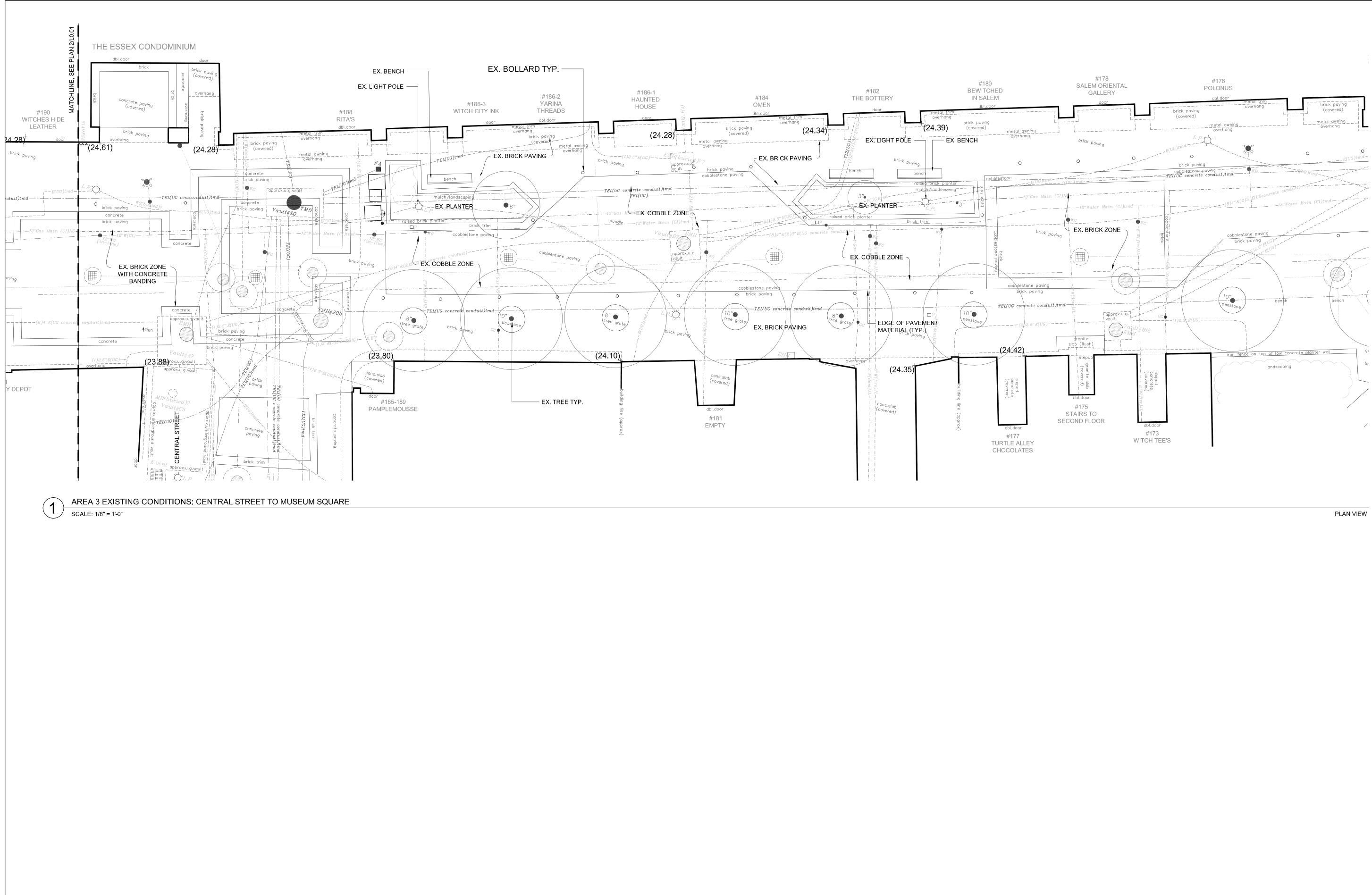
- 14.1. CLEAN PROJECT SITE, YARD, AND GROUNDS, IN AREAS DISTURBED BY CONSTRUCTION ACTIVITIES, INCLUDING LANDSCAPE DEVELOPMENT AREAS, OF RUBBISH, WASTE MATERIAL, LITTER, AND OTHER FOREIGN SUBSTANCES.
- 14.2. SWEEP PAVED AREAS CLEAN. REMOVE PETROCHEMICAL SPILLS, STAINS, AND OTHER FOREIGN DEPOSITS
- 15. INSPECTION: SUBMIT A WRITTEN REQUEST FOR INSPECTION FOR SUBSTANTIAL COMPLETION. ON RECEIPT OF REQUEST, LANDSCAPE ARCHITECT WILL EITHER PROCEED WITH INSPECTION OR NOTIFY CONTRACTOR OF UNFULFILLED REQUIREMENTS. LANDSCAPE ARCHITECT WILL PREPARE THE CERTIFICATE OF SUBSTANTIAL COMPLETION AFTER INSPECTION OR WILL NOTIFY CONTRACTOR OF ITEMS, EITHER ON CONTRACTOR'S LIST OR ADDITIONAL ITEMS IDENTIFIED BY LANDSCAPE ARCHITECT, THAT MUST BE COMPLETED OR CORRECTED BEFORE CERTIFICATE WILL BE ISSUED. REQUEST REINSPECTION WHEN THE WORK IDENTIFIED IN PREVIOUS INSPECTIONS AS INCOMPLETE IS COMPLETED OR CORRECTED. RESULTS OF COMPLETED INSPECTION WILL FORM THE BASIS OF REQUIREMENTS FOR FINAL COMPLETION.
- 16. RECORD DRAWINGS: MAINTAIN AND SUBMIT ONE SET OF BLUE- OR BLACK-LINE OR PHOTOCOPIED PRINTS OF CONTRACT DRAWINGS AND SHOP DRAWINGS. MARK RECORD PRINTS TO SHOW THE ACTUAL INSTALLATION WHERE INSTALLATION VARIES FROM THAT SHOWN ORIGINALLY. REQUIRE INDIVIDUAL OR ENTITY WHO OBTAINED RECORD DATA, WHETHER INDIVIDUAL OR ENTITY IS INSTALLER, SUBCONTRACTOR, OR SIMILAR ENTITY, TO PREPARE THE MARKED-UP RECORD PRINTS. MARK IMPORTANT ADDITIONAL INFORMATION THAT WAS EITHER SHOWN SCHEMATICALLY OR OMITTED FROM ORIGINAL DRAWINGS.
- 17. SITE REPLACEMENTS: EXISTING COBBLE PAVERS, BRICK PAVERS, LIGHT FIXTURES, BENCHES, AND TREE GRATES REMOVED SHALL BE SALVAGED AND STOCKPILED FOR REUSE AT A LOCATION TO BE COORDINATED WITH THE OWNER.
- 18. CONTRACTOR SHALL MATCH AS-BUILT PAVEMENT PROFILE AND SPECIFICATIONS FOR IN-KIND PAVEMENT INSTALLATIONS. REFER TO EXISTING AS-BUILT ESSEX STREET DRAWINGS.
- 19. STAKING: AFTER REMOVALS AND DEMOLITIONS ARE COMPLETE, STAKE AREAS OF NEW PAVING. LANDSCAPE ARCHITECT TO APPROVE LIMITS OF STAKING PRIOR TO PROCEEDING WITH CONSTRUCTION
- 20. PAVING: AREAS OF NEW BRICK PAVING TO BLEND WITH EXISTING BRICK PAVING. NEWLY BRICK PAVING TO MATCH THE EXISTING IN COLOR AND IN PROPORTIONS OF LIGHT AND DARK PAVERS. CONTRACTOR SHALL PREPARE A SAMPLE MOCKUP BLENDING NEW AND EXISTING BRICK PAVING FOR LANDSCAPE ARCHITECT APPROVAL. UPON APPROVAL, ALL INSTALLED BRICK PAVING SAMPLES SHALL MATCH THE MOCKUP.

21. STREET LIGHTS TO BE MOUNTED PER CITY STANDARDS



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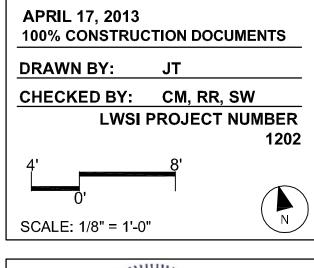
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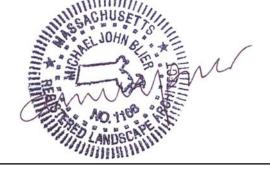
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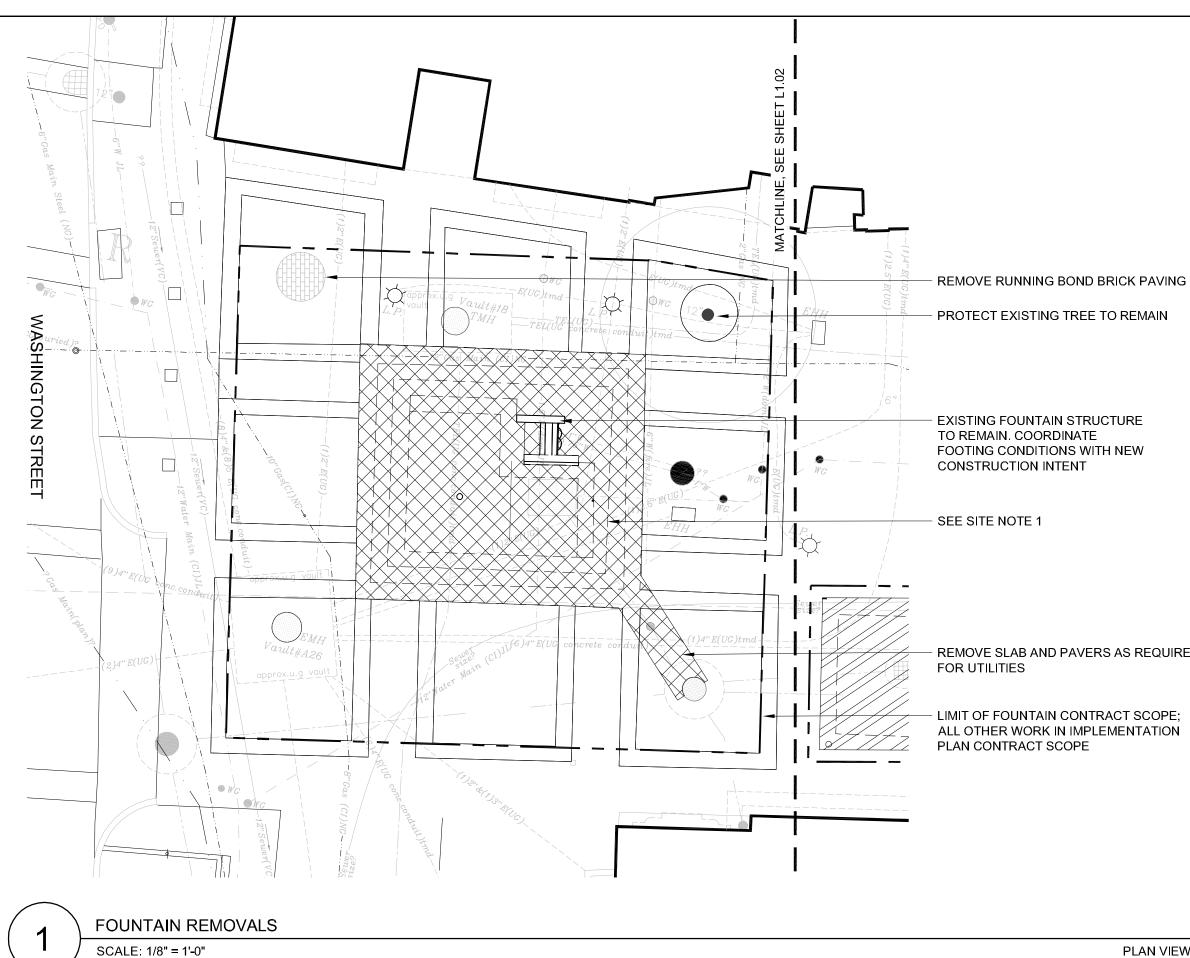
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EXISTING CONDITIONS PLAN L0.02



- REMOVE RUNNING BOND BRICK PAVING INFILL

- EXISTING FOUNTAIN STRUCTURE

- REMOVE SLAB AND PAVERS AS REQUIRED

- LIMIT OF FOUNTAIN CONTRACT SCOPE;

PLAN VIEW

SITE NOTES

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*ALL WORK ON SHEET L1.01 IS PART OF THE FOUNTAIN REPAIR SCOPE

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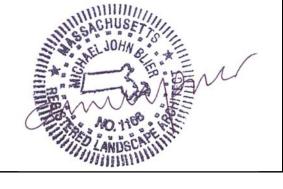
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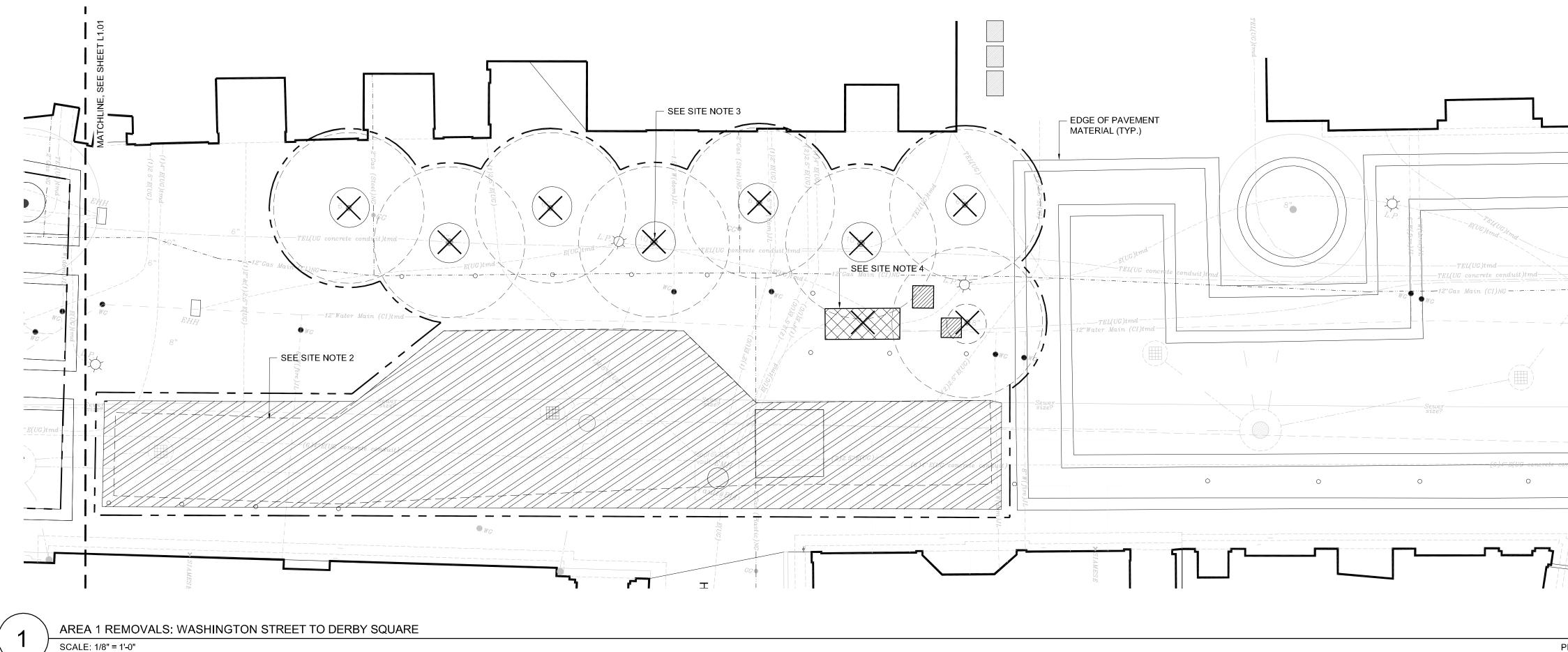
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SITE REMOVALS PLAN L1.01

1. REMOVE EXISTING CONCRETE STEPS AND BASIN. PROTECT FOUNTAIN WALL STRUCTURE, PLUMBING, AND EXISTING TREE. CAP FLOOR DRAIN IN FOUNTAIN BASIN. REMOVE CIRCULAR BRICK PAVING AREA WITH RUNNING BOND PATTERN. REMOVE PAVERS AND SLAB AS REQUIRED TO COMPLETE NEW UTILITY WORK.



SITE NOTES

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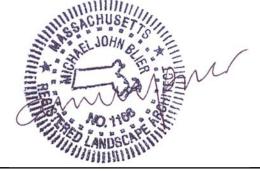
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SITE REMOVALS PLAN L1.02



PLAN VIEW

1. REMOVE EXISTING CONCRETE STEPS AND BASIN. PROTECT FOUNTAIN WALL STRUCTURE, PLUMBING, AND EXISTING TREE. CAP FLOOR DRAIN IN FOUNTAIN BASIN. REMOVE CIRCULAR BRICK PAVING AREA WITH RUNNING BOND PATTERN. REMOVE PAVERS AND SLAB AS REQUIRED TO COMPLETE NEW UTILITY WORK.

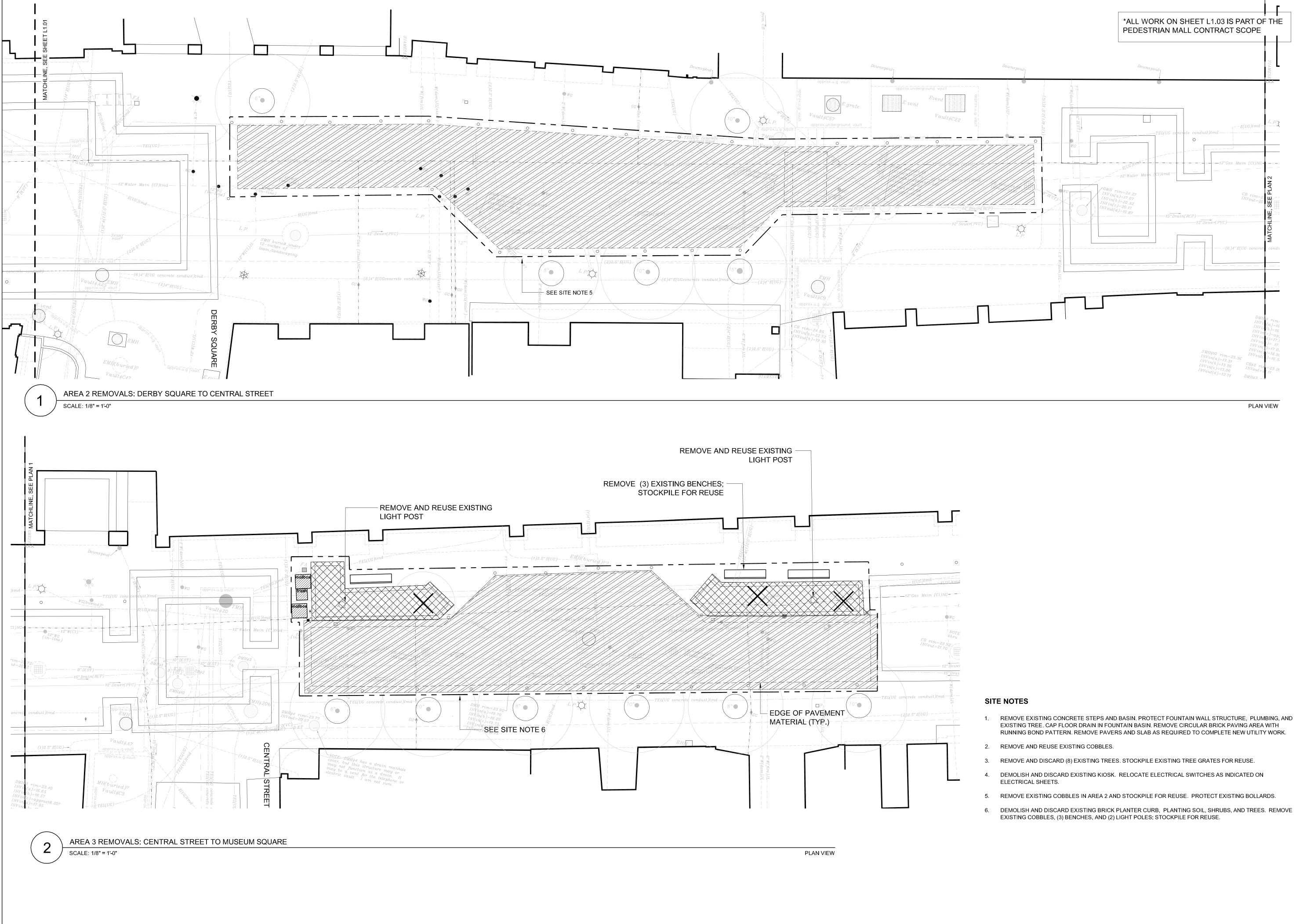
2. REMOVE AND REUSE EXISTING COBBLES.

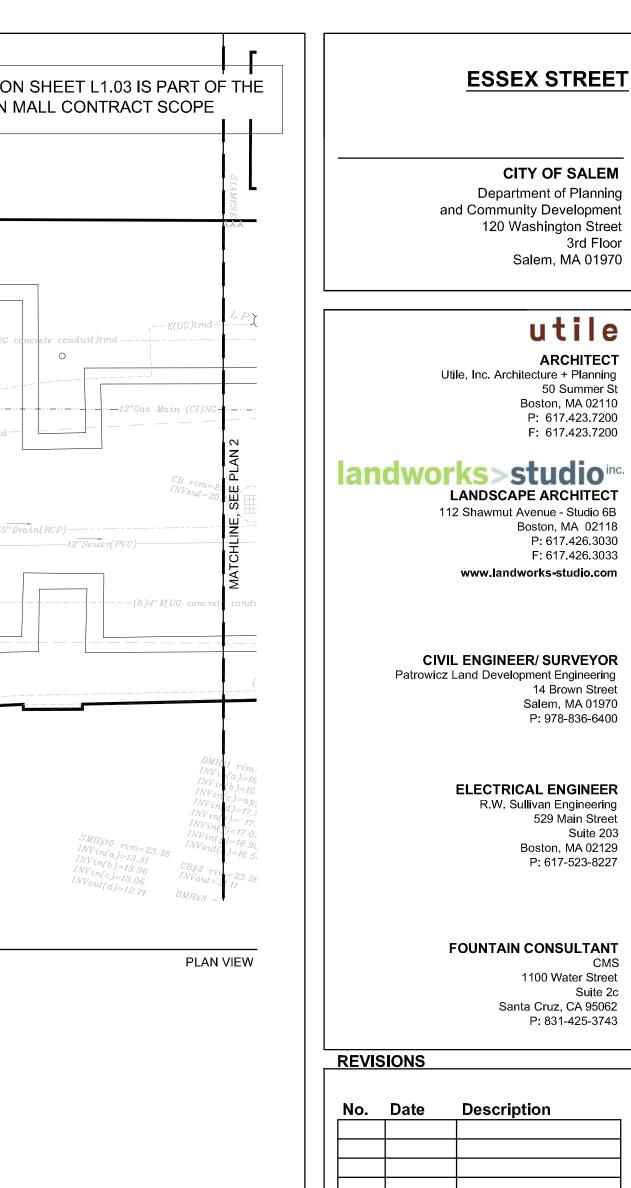
3. REMOVE AND DISCARD (8) EXISTING TREES. STOCKPILE EXISTING TREE GRATES FOR REUSE.

4. DEMOLISH AND DISCARD EXISTING KIOSK. RELOCATE ELECTRICAL SWITCHES AS INDICATED ON ELECTRICAL SHEETS.

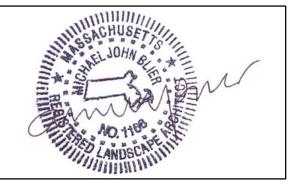
5. REMOVE EXISTING COBBLES IN AREA 2 AND STOCKPILE FOR REUSE. PROTECT EXISTING BOLLARDS.

6. DEMOLISH AND DISCARD EXISTING BRICK PLANTER CURB, PLANTING SOIL, SHRUBS, AND TREES. REMOVE EXISTING COBBLES, (3) BENCHES, AND (2) LIGHT POLES; STOCKPILE FOR REUSE.

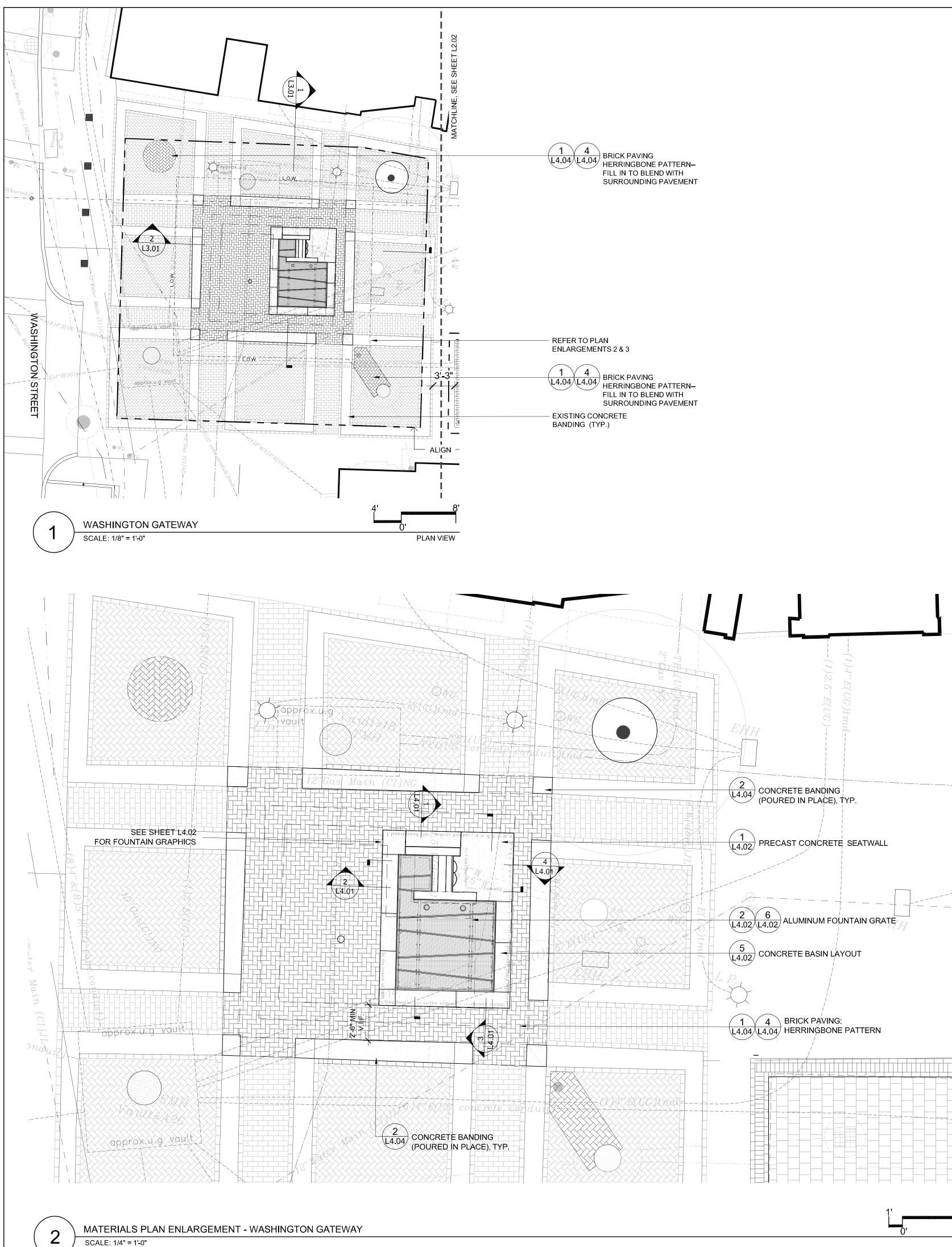




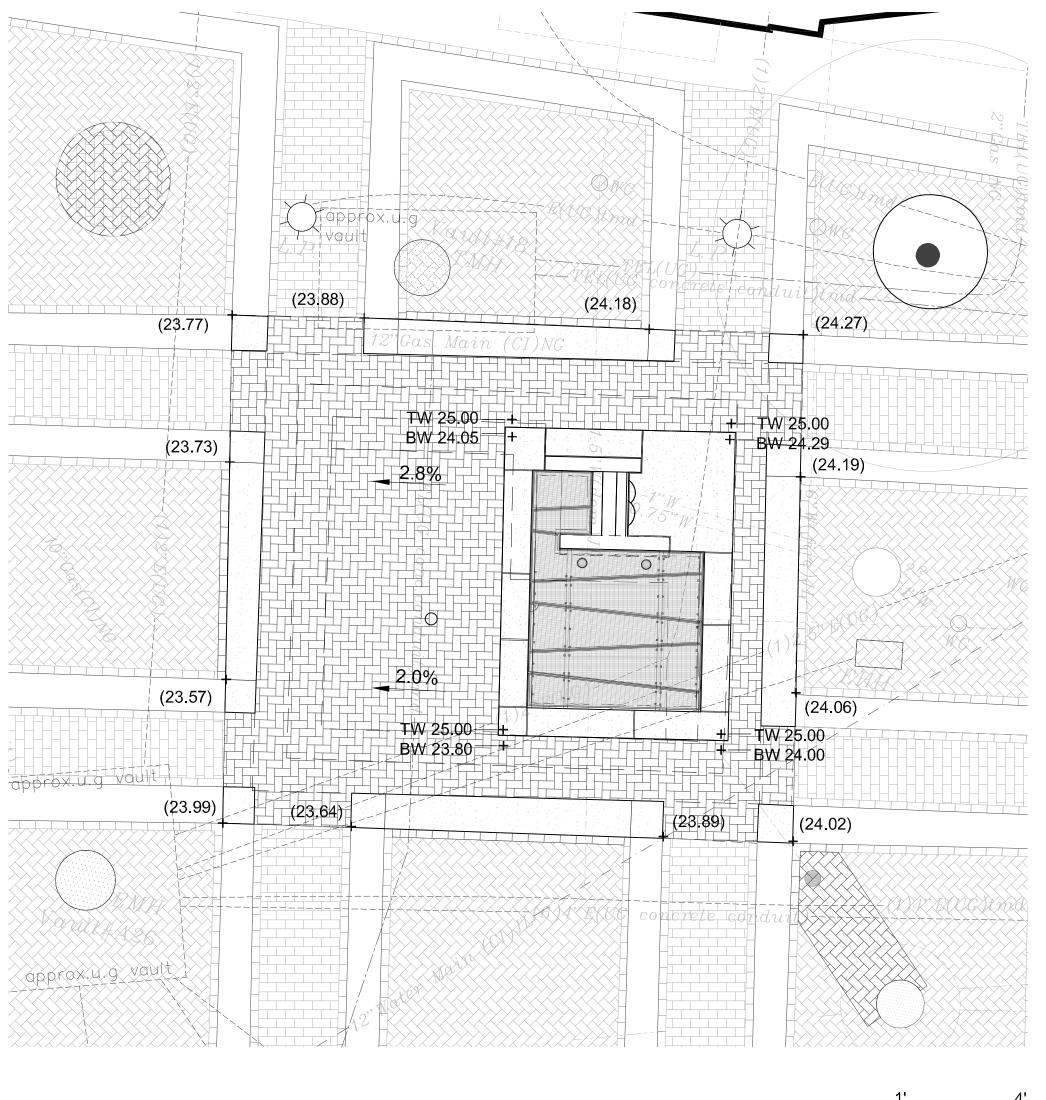
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SITE REMOVALS PLAN 1



SCALE: 1/4" = 1'-0"





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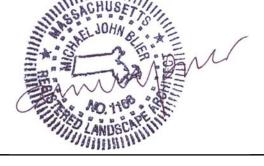
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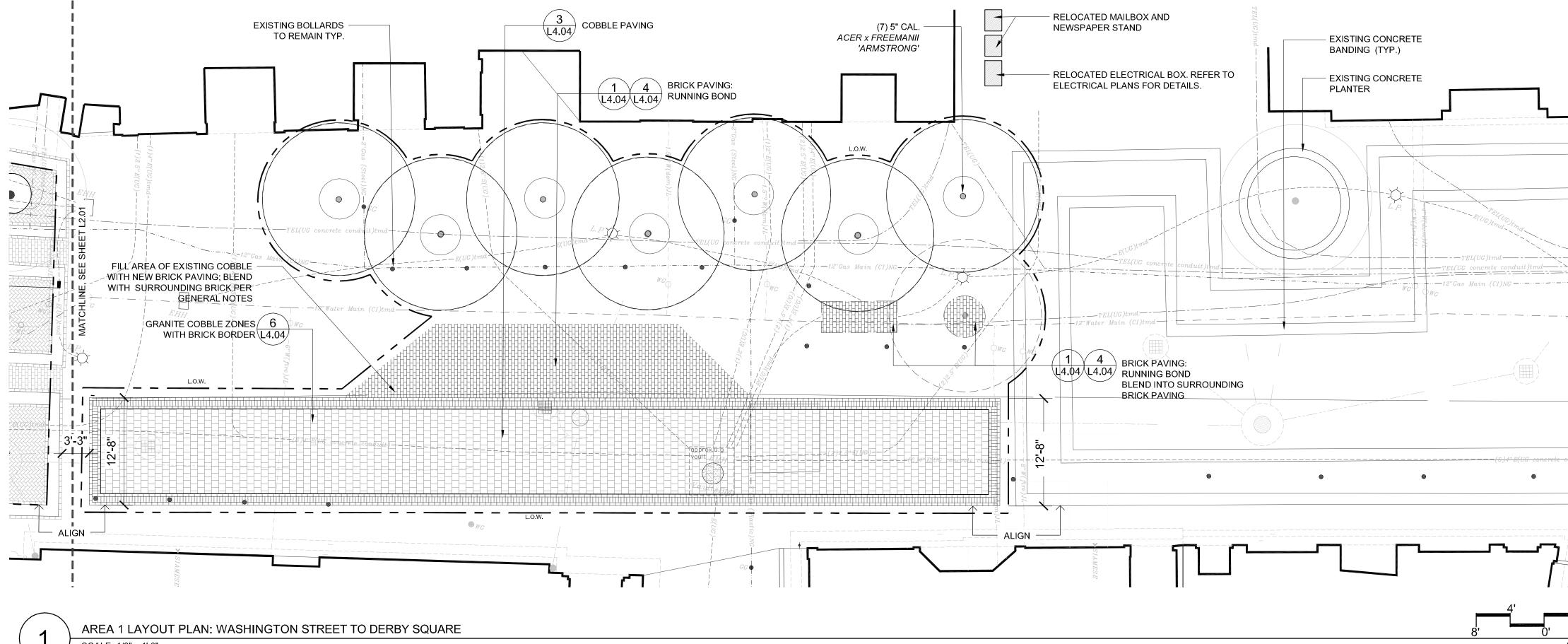
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MATERIALS AND GRADING L2.01

*ALL WORK ON SHEET L2.01 IS PART OF THE FOUNTAIN REPAIR SCOPE



SCALE: 1/8" = 1'-0"

*ALL WORK ON SHEET L2.02 IS PART OF THE IMPLEMENTATION PLAN CONTRACT SCOPE

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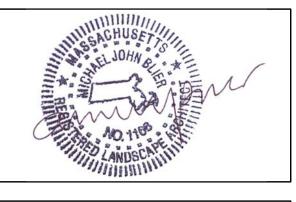
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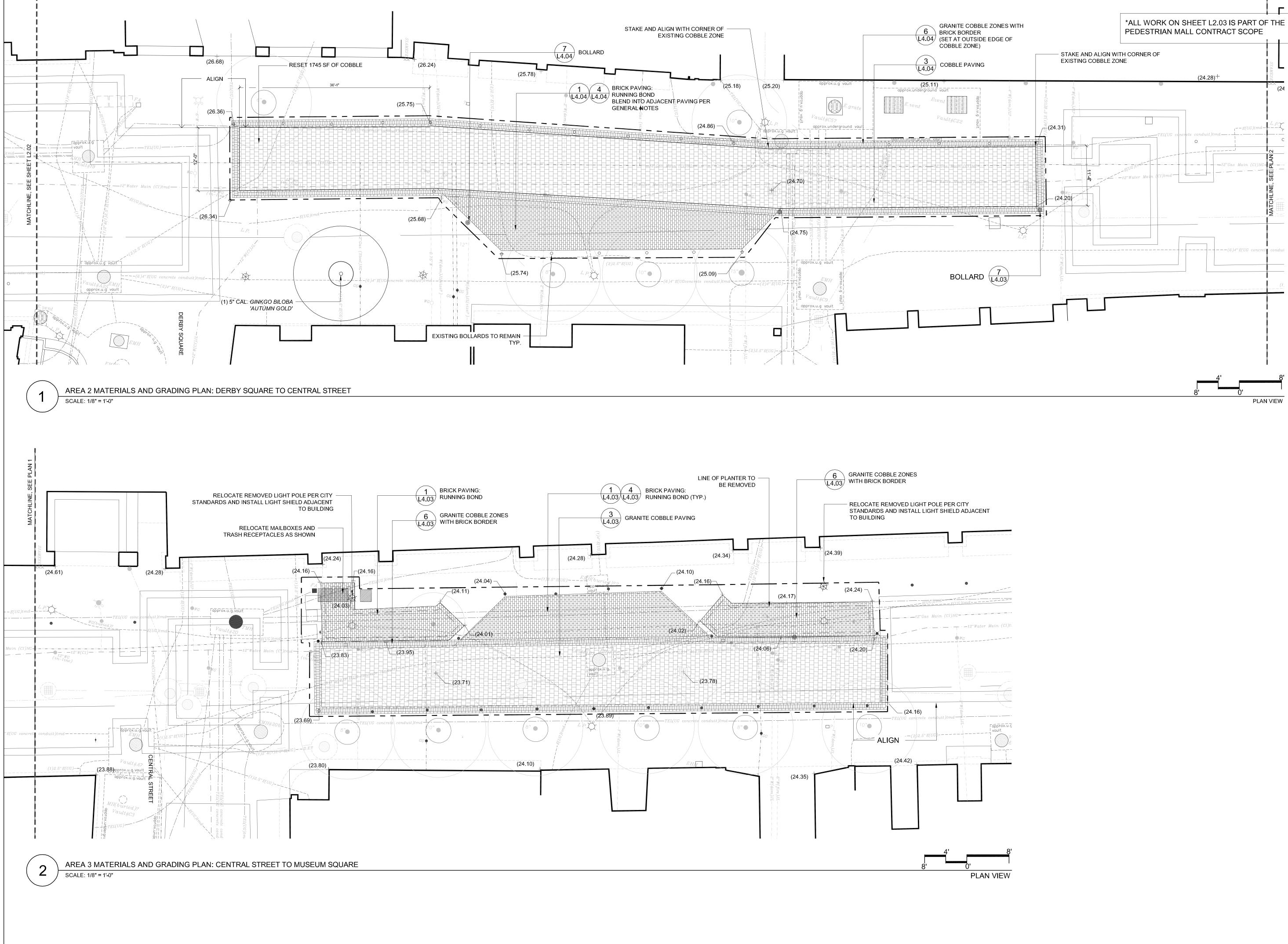
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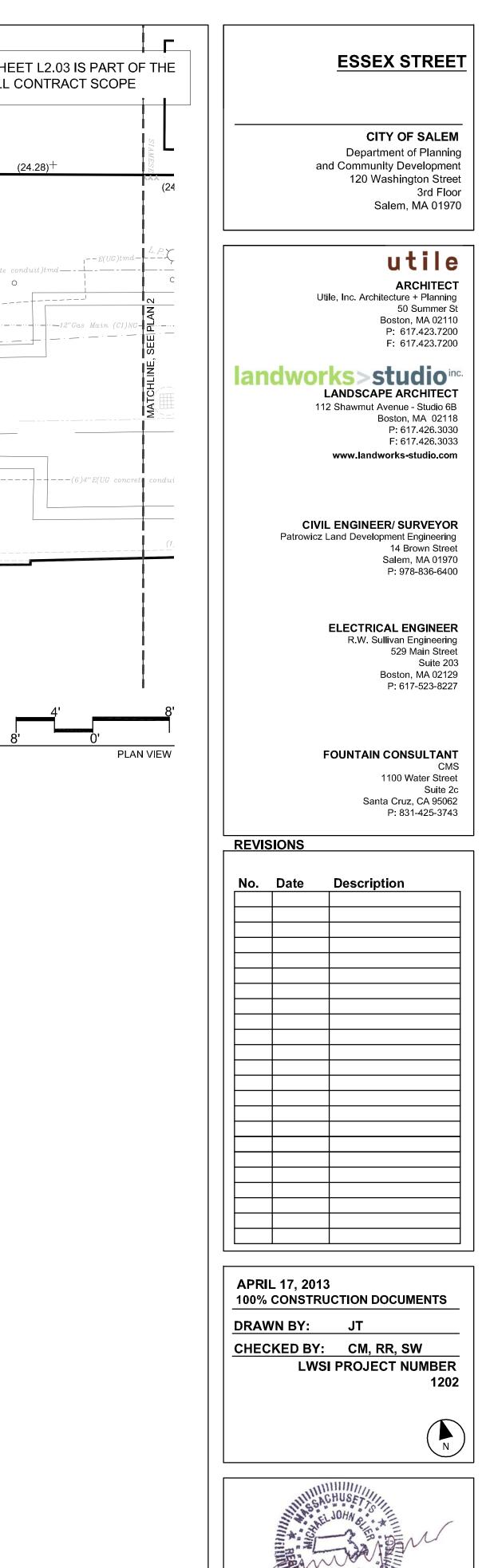


MATERIALS AND GRADING L2.02



PLAN VIEW

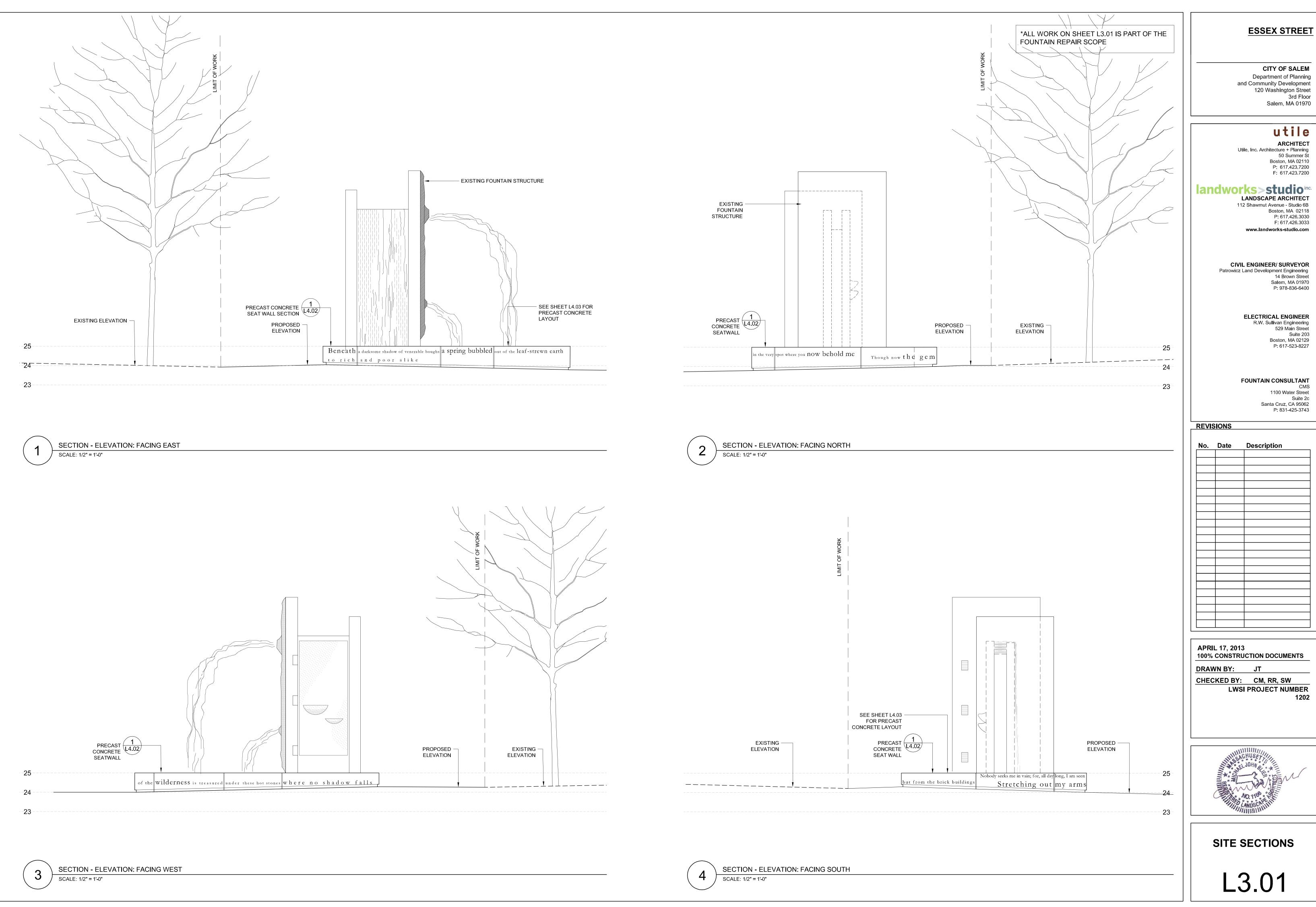


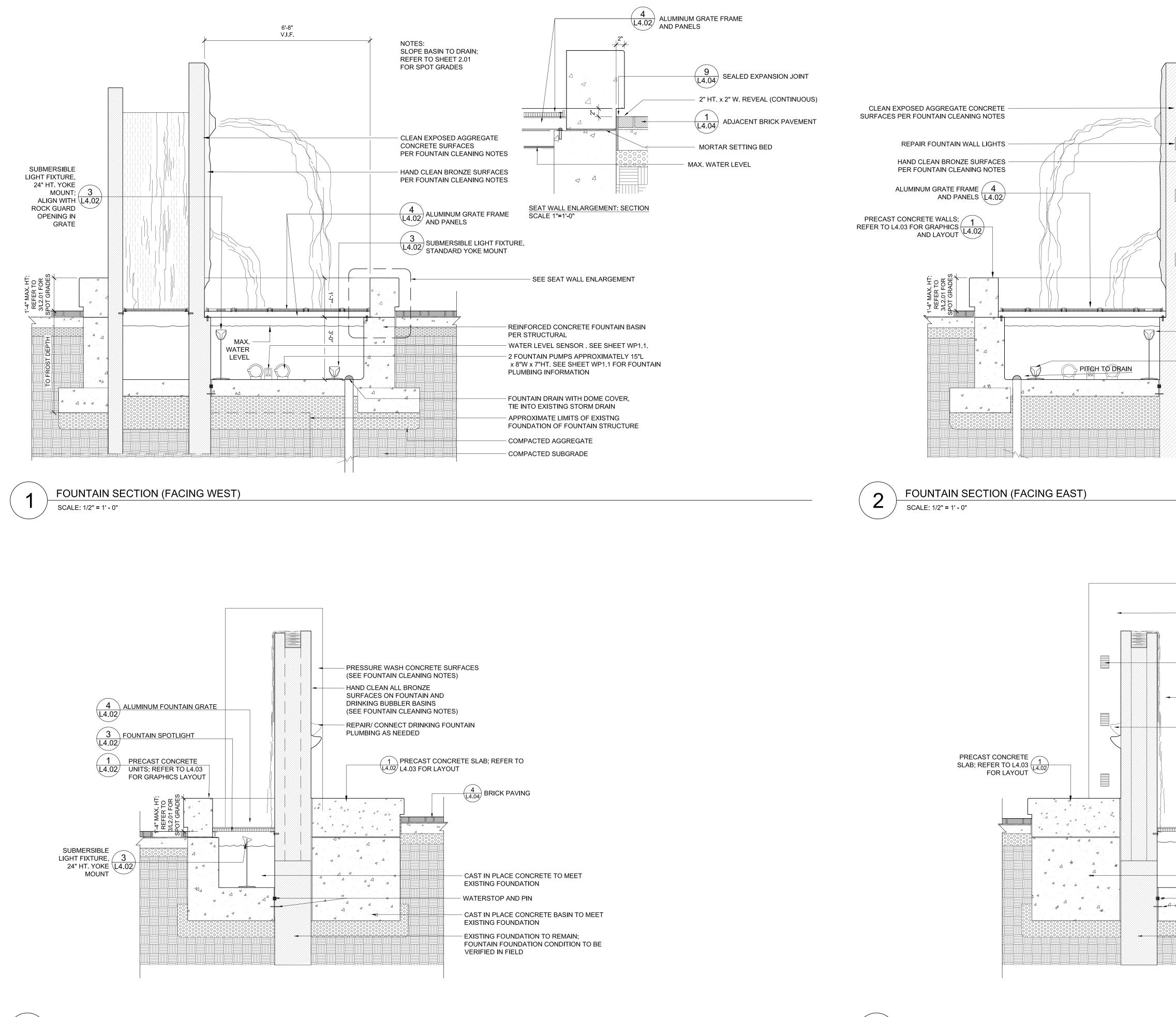


MATERIALS AND

GRADING

L2.03





FOUNTAIN SECTION (FACING NORTH)

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

3



FOUNTAIN SECTION (FACING SOUTH) SCALE: 1/2" = 1' - 0"

*ALL WORK ON SHEET L4.01 IS PART OF THE FOUNTAIN REPAIR SCOPE

\bigtriangledown 1 PRECAST CONCRETE UNITS; REFER TO L4.02 L4.03 FOR GRAPHICS AND LAYOUT . ₽ . . 4 4 . \$ (14.02) SUBMERSIBLE LIGHT FIXTURE, 24" HT. YOKE MOUNT; ALIGN WITH ROCK GUARD OPENING IN GRATE 3 L4.02 SUBMERSIBLE LIGHT FIXTURE, STANDARD YOKE MOUNT . 4 Δ. · 4

- HAND CLEAN ALL BRONZE SURFACES ON FOUNTAIN AND DRINKING BUBBLER BASINS (SEE FOUNTAIN CLEANING NOTES)

- RECONNECT EXISTING WALL LIGHTS

- PRESSURE WASH CONCRETE SURFACES (SEE FOUNTAIN CLEANING NOTES)

- REPAIR/ CONNECT DRINKING FOUNTAIN PLUMBING AS NEEDED

(4) ALUMINUM FOUNTAIN GRATE

⊿√

-

- CAST IN PLACE CONCRETE TO MEET EXISTING FOUNDATION

- WATERSTOP AND PIN

- CAST IN PLACE CONCRETE BASIN TO MEET EXISTING FOUNDATION - EXISTING FOUNDATION TO REMAIN;

FOUNTAIN FOUNDATION CONDITION TO BE VERIFIED IN FIELD

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ELECTRICAL ENGINEER R.W. Sullivan Engineering 529 Main Street Suite 203

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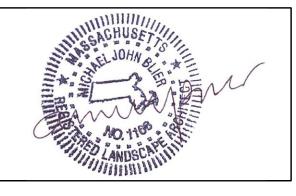
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REVISIONS

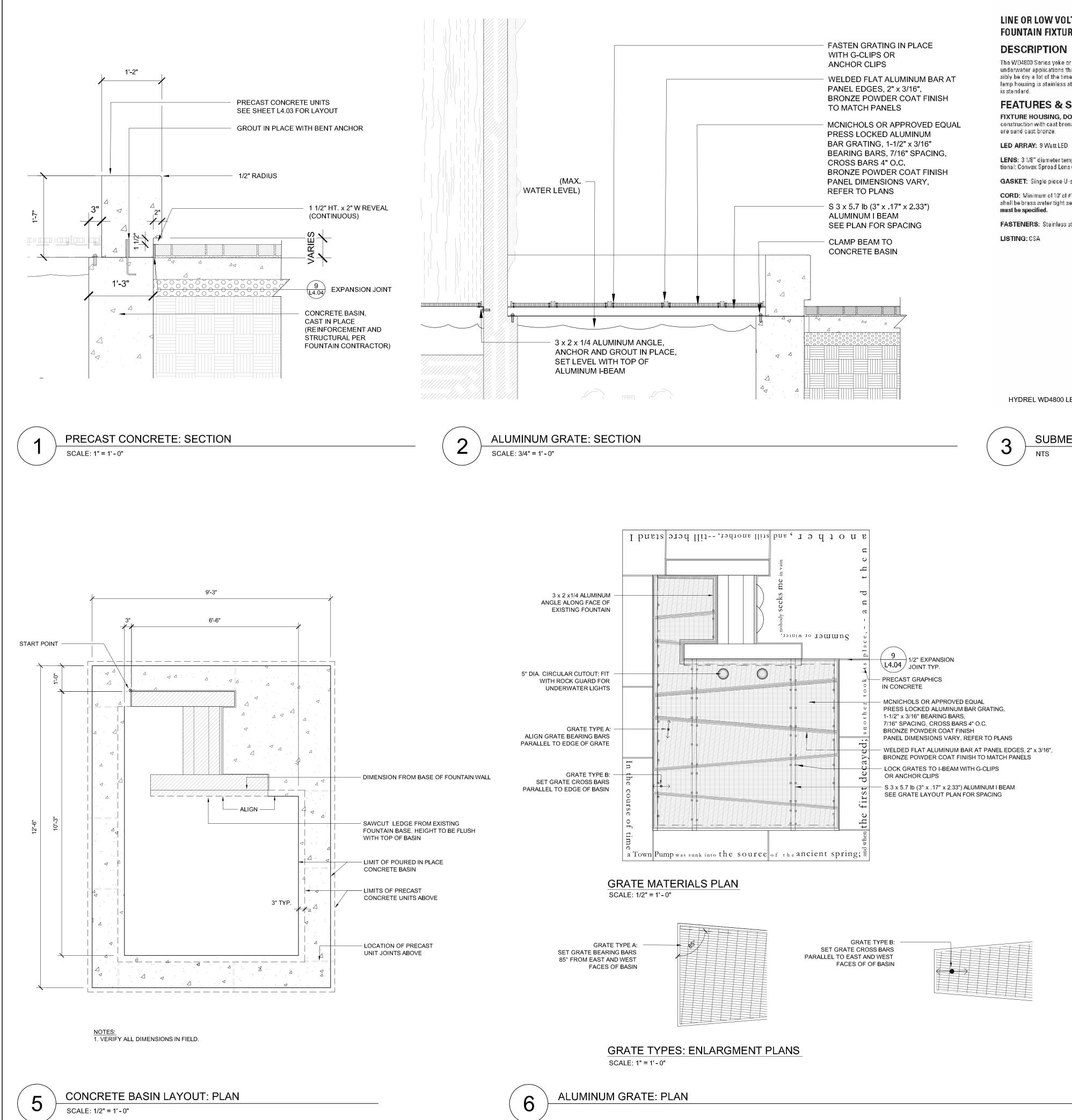
No.	Date	Description

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FOUNTAIN SECTIONS

L4.01



WD4800 LED BASE OR **YOKE MOUNT**

LINE OR LOW VOLTAGE **FOUNTAIN FIXTURE**

DESCRIPTION

The WD4800 Series yoke or base mounted fixture is ideal for use in underwater applications that are prone to being dry or could possibly be dry a lot of the time. Designed for a 9 watt LED board. The lamp housing is stainless steel. A clear tempered borosilicate lens

FEATURES & SPECIFICATIONS

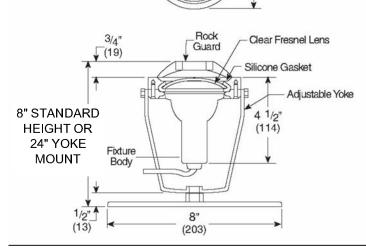
FIXTURE HOUSING, DOOR & ROCK GUARD: Stainless steel construction with cast bronze doors and rock guard. Yoke and base are sand cast bronze.

LENS: 31/8" diameter tempered borosilicate, clear standard. *Op-tional: Convex Spread Lens (CLS) or frosted lens (CLF)

GASKET: Single piece U-shaped molded silicone.

CORD: Minimum of 10' of #16-3ST submersible cord. Cord entrance shall be brass water tight seal and epoxy encapsulated. Cord length must be specified.

FASTENERS: Stainless steel.



HYDREL WD4800 LED WET/ DRY LIGHT



SUBMERSIBLE LIGHT FIXTURES NTS

NOTES: 1. 1/2" SPACING BETWEEN GRATES TYP. 2. 1/2" SPACING BETWEEN GRATE AND PRECAST CONCRETE FACE TYP. COLOR TO BE APPROVED BY OWNER

Pump was

1'-6"

GRATE LAYOUT PLAN SCALE: 1/2" = 1' - 0"

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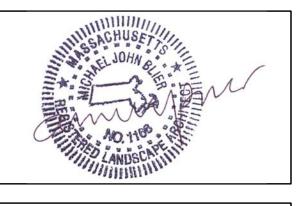
> **ELECTRICAL ENGINEER** R.W. Sullivan Engineering 529 Main Street Suite 203 Boston, MA 02129 P: 617-523-8227

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LWSII	PROJECT NUMBER 1202



FOUNTAIN DETAILS

L4.02

*ALL WORK ON SHEET L4.02 IS PART OF THE FOUNTAIN REPAIR SCOPE

INSTALLATION INSTRUCTIONS UNDERWATER FIXTURES

UNDERWATER JUNCTION BOX INSTALLATION DETAIL

FOR BASE OR YOKE MOUNT FIXTURES

JUNCTION BOX

FIXTURE INSTALLATION BASE OR YOKE MOUNT

لمحمحه جمجمجمحمح

WD4400/4800 SERIES

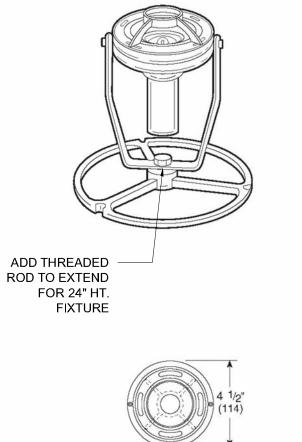
Chateworth, CA 9131 Phone: 866.533.990 Fax: 866.533.529

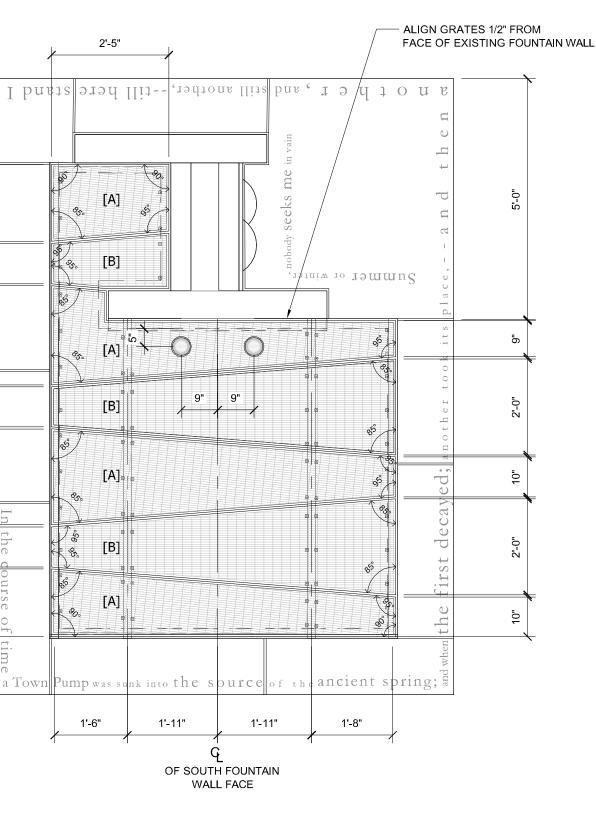
HYDREL

Installation should be perfemeed by a qualified electrician in accordance with the National Electrical Code and relevant local codes.

DUCT SEA

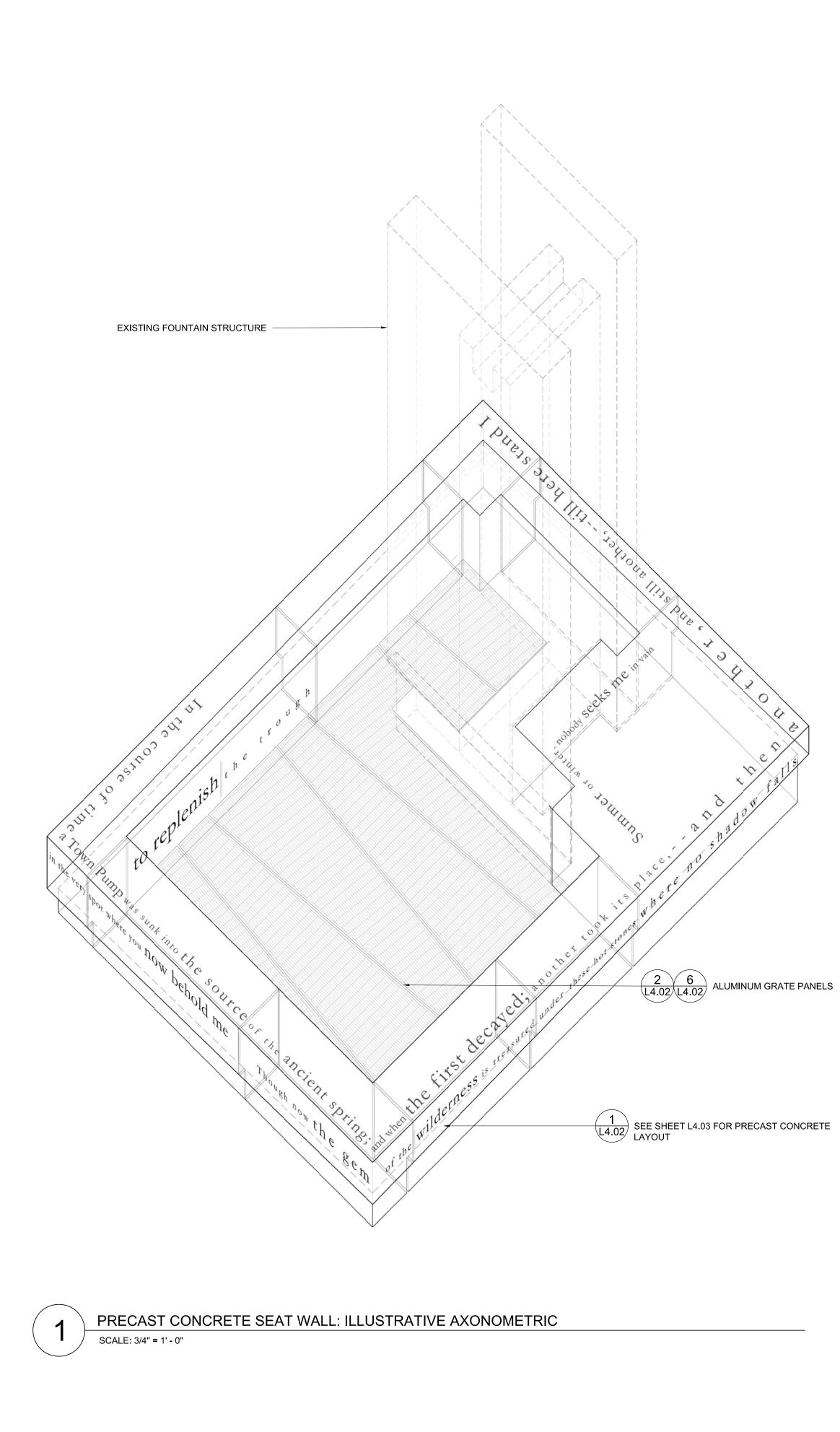
CONCRETE FLOOR

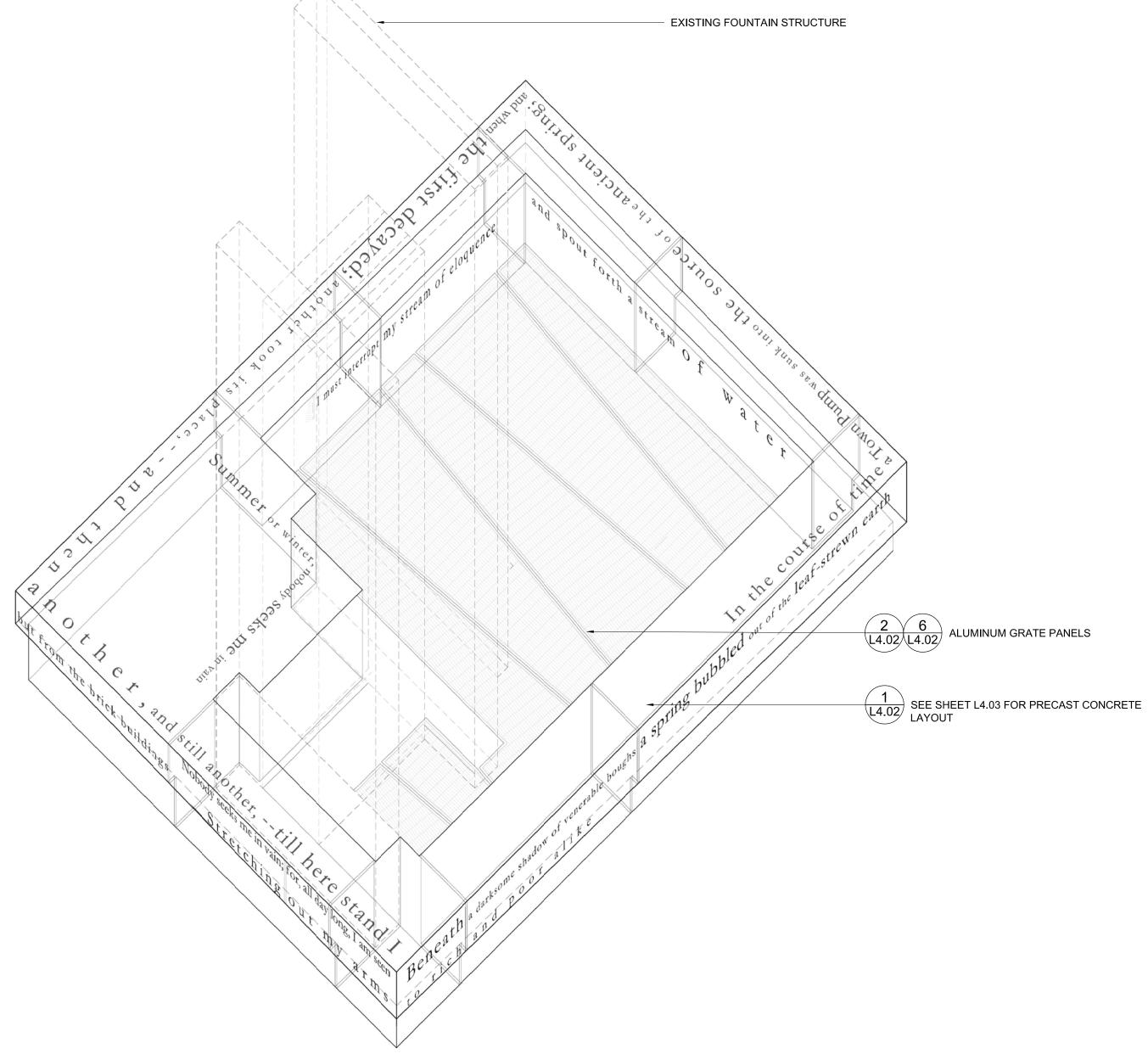


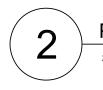


3. ALL GRATE COMPONENTS TO BE POWDER COATED BRONZE FINISH,

4. CONTRACTOR TO VERIFY IN FIELD THAT ALL PANELS FIT WITHIN BASIN







PRECAST CONCRETE SEAT WALL: ILLUSTRATIVE AXONOMETRIC SCALE: 3/4" = 1' - 0"

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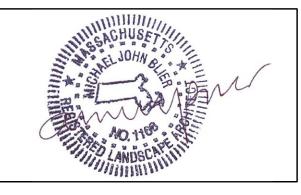
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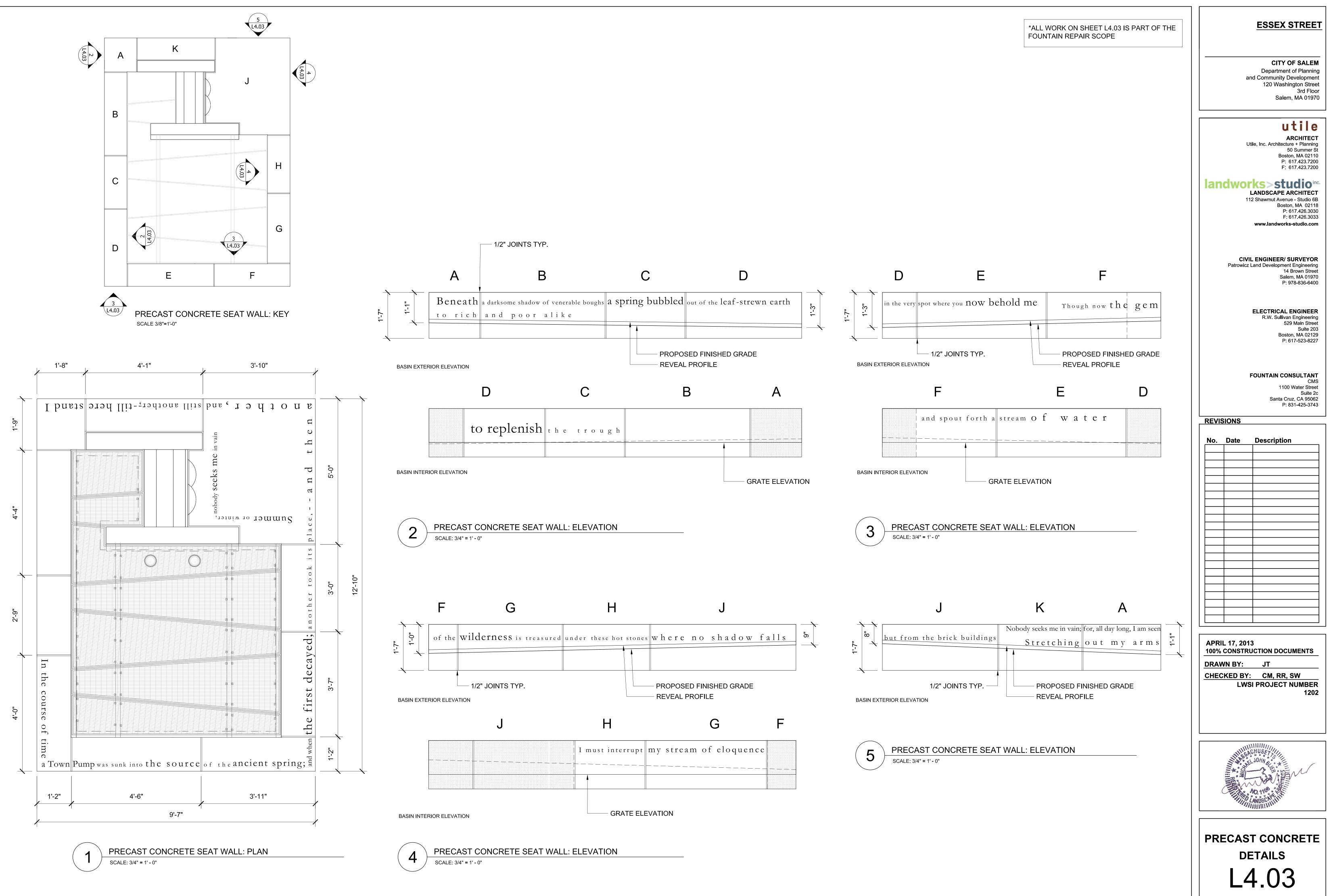
No.	Date	Description

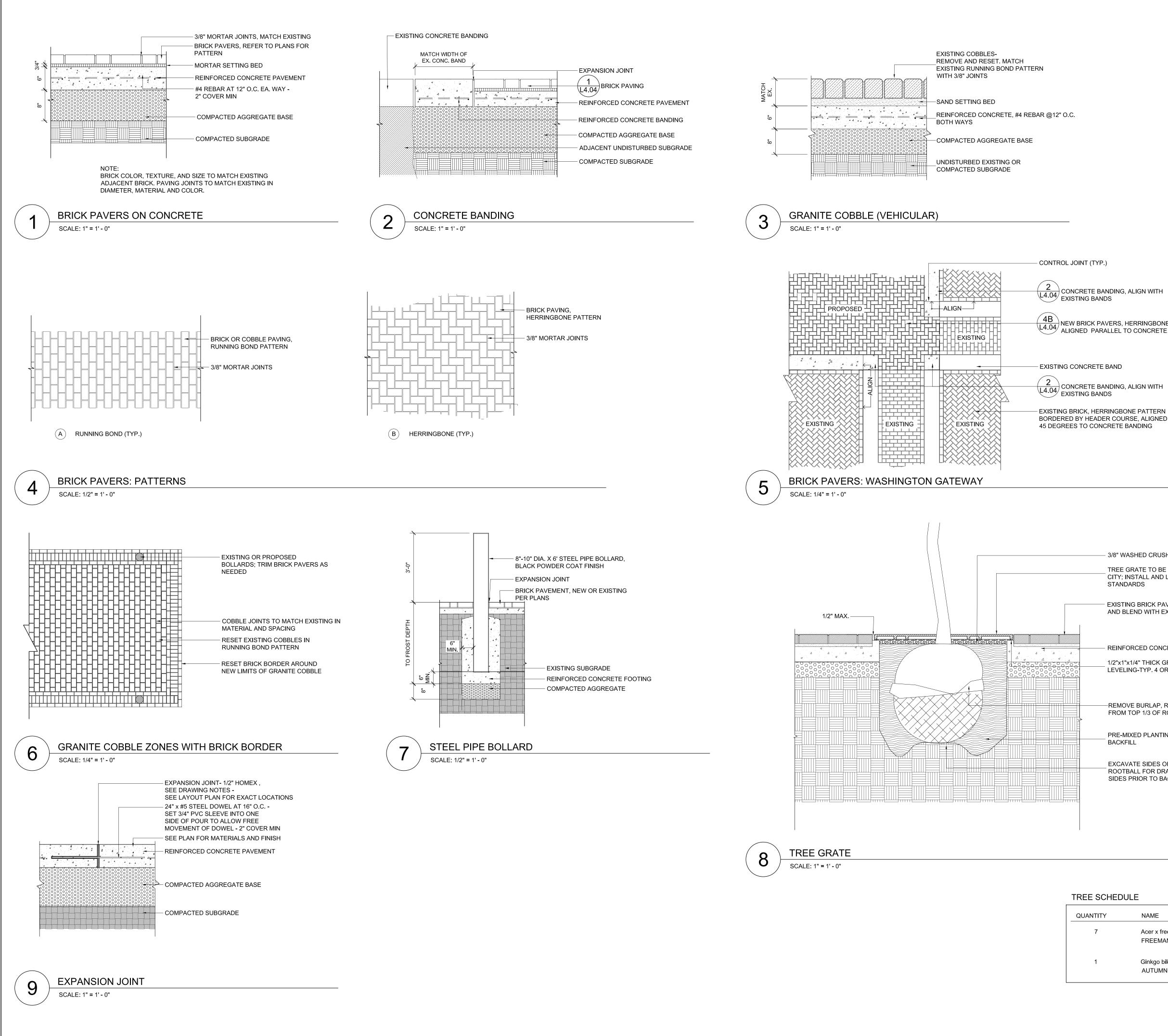
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PRECAST CONCRETE DETAILS L4.02B

*ALL WORK ON SHEET L4.02B IS PART OF THE FOUNTAIN REPAIR SCOPE





*WORK ON SHEET L4.04 IS PART OF BOTH THE FOUNTAIN REPAIR SCOPE AND PEDESTRIAN MALL SCOPE.

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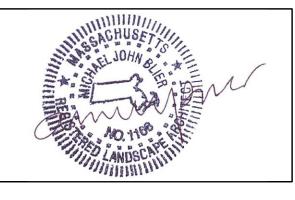
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PAVING DETAILS & TREE SCHEDULE L4.04

4B L4.04 NEW BRICK PAVERS, HERRINGBONE PATTERN ALIGNED PARALLEL TO CONCRETE BANDING

BORDERED BY HEADER COURSE, ALIGNED

- 3/8" WASHED CRUSHED STONE

TREE GRATE TO BE PROVIDED BY THE CITY; INSTALL AND LEVEL PER CITY STANDARDS

EXISTING BRICK PAVEMENT; REPLACE AND BLEND WITH EXISTING

REINFORCED CONCRETE

1/2"x1"x1/4" THICK GRINDING PADS FOR LEVELING-TYP. 4 OR MORE PLACES

-REMOVE BURLAP, ROPES & WIRES FROM TOP 1/3 OF ROOTBALL

PRE-MIXED PLANTING SOIL; BACKFILL

EXCAVATE SIDES OF PIT DEEPER THAN ROOTBALL FOR DRAINAGE AND SCARIFY SIDES PRIOR TO BACKFILLING

TREE SCHEDULE

TTY	NAME	CAL.	NOTES
,	Acer x freemanii 'Armstrong' FREEMAN MAPLE	4" min.	B&B, SEE 1/L2.02 FOR LAYOUT
	Ginkgo biloba 'Autumn Gold' AUTUMN GOLD GINKGO	5"	B&B, SEE 1/L2.03 FOR LAYOUT

POWER DISTRIBUTION EQUIPMENT LEGEND

HOME RUN, 3/4"C. WITH 2#12 AND 1#12 GND. CONNECTED TO A 20A-1P CIRCUIT BREAKER. "N22A" REPRESENTS PANEL NAME AND "2" INDICATES CIRCUIT NUMBER IN PANEL. WHEN MULTIPLE CIRCUITS ARE SHOWN, HASH MARKS INDICATE NUMBER OF PHASE AND NEUTRAL CONDUCTORS (GROUND CONDUCTOR IS
FLEXIBLE POWER CONNECTION TO EQUIPMENT AS NOTED
CONDUIT TURNING UP / DOWN
CONDUIT TURNING UP
MOTOR ("NUMBER" INDICATES HORSE POWER - 5 HORSEPOWER)
PULL BOX, SIZED AS REQUIRED PER THE NATIONAL ELECTRIC CODE
JUNCTION BOX, 4 11/16" SQUARE (UNLESS OTHERWISE NOTED)
MAGNETIC MOTOR STARTER
TIME CLOCK/SWITCH, RATING AND TYPE AS NOTED ON DRAWINGS
CONTACTOR, RATING AND TYPE AS NOTED ON DRAWINGS
120/208V,3Ø,4W SURFACE MOUNTED PANEL, "N22A" INDICATES PANEL DESIGNATION

DEMOLITION GENERAL NOTES

- 1. REFER TO THE ARCHITECTURAL DRAWINGS FOR THE FULL EXTENT OF THE SCOPE OF DEMOLITION. DISCONNECT AND MAKE SAFE ALL ELECTRICAL EQUIPMENT IDENTIFIED FOR REMOVAL ON THE ARCHITECTURAL, HVAC, PLUMBING AND FIRE PROTECTION PLANS. THE ELECTRICAL SCOPE MAY EXTEND BEYOND THE AREA DEFINED BY THE ARCHITECTURAL DEMOLITION LIMITS TO FULLY COMPLY WITH THE VARIOUS REQUIREMENTS DEFINED BY THESE NOTES.
- 2. THE ELECTRICAL DEMOLITION PLANS INDICATE GENERAL INTENT AND ARE NOT INTENDED TO SHOW ALL COMPONENTS AND ITEMS TO BE REMOVED OR RETAINED. THE ELECTRICAL CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMISSION OF THEIR BID TO BECOME FAMILIAR WITH THE ACTUAL WORKING CONDITIONS AND EXTENT OF WORK. DEVICES AND EQUIPMENT LOCATED ON WALLS AND/OR CEILINGS DESIGNATED TO BE REMOVED SHALL BE DISCONNECTED AND MADE SAFE. THE ELECTRICAL CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER'S REPRESENTATIVE AND ARCHITECT OF ANY UNANTICIPATED OR HIDDEN CONDITIONS ENCOUNTERED DURING DEMOLITION.
- 3. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF ALL SYSTEMS OR BUILDING COMPONENTS DAMAGED DURING EXECUTION OF THE WORK. DAMAGE SHALL INCLUDE, BUT NOT BE LIMITED TO, THE DESTRUCTION OR DISPOSAL OF ITEMS INTENDED TO REMAIN OR BE SALVAGED.
- 4. THE ELECTRICAL CONTRACTOR SHALL CIRCUIT TRACE AND LABEL ALL EXISTING BRANCH CIRCUITS AND FEEDERS WITHIN OR ASSOCIATED WITH THE DEMOLITION SCOPE, PRIOR TO DE-ENERGIZING AND DISCONNECTION. ALL CIRCUITS WITHIN PANELBOARDS, LOAD CENTERS, MOTOR CONTROL CENTERS, AND SWITCHBOARDS IDENTIFIED FOR REMOVAL, SHALL BE TRACED AND FIELD LABELED TO ENSURE THAT NO AREA OUTSIDE THE DEMOLITION SCOPE LIMIT IS AFFECTED.
- 5. IN ANY AREA REQUIRING THE PERFORMANCE OF ANY TRADE'S WORK, THE ELECTRICAL CONTRACTOR SHALL CAREFULLY REMOVE AND STORE ANY OR ALL ELECTRICAL ITEMS IN PATH OF WORK, REINSTALLING AND RECONNECTING SAME AS REQUIRED, IN ACCORDANCE WITH THE PLANS AND/OR AS DIRECTED AFTER COMPLETION OF OTHER TRADES WORK IN THAT AREA.
- 6. THE ELECTRICAL CONTRACTOR SHALL IDENTIFY ALL BRANCH CIRCUITS, FEEDERS AND SYSTEM COMPONENTS WHICH ARE TO REMAIN WITHIN THE AREA OF DEMOLITION SCOPE. THERE SHALL BE NO INTERRUPTION OF SERVICE TO ANY AREA OUTSIDE THE SCOPE LIMITS WITHOUT WRITTEN APPROVAL FROM THE OWNER'S REPRESENTATIVE. EXISTING EQUIPMENT TO REMAIN SHALL BE LEFT IN A CODE COMPLIANT CONDITION.
- 7. THE ELECTRICAL CONTRACTOR SHALL TAKE INVENTORY OF ELECTRICAL ITEMS THAT ARE REMOVED AND PROVIDE A LIST TO THE OWNER FOR THEIR SELECTION OF ITEMS TO BE RETAINED. ALL ITEMS REJECTED BY THE OWNER SHALL BECOME THE PROPERTY OF THE CONTRACTOR, AND SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
- 8. IN ALL EXISTING OR NEW AREAS SPECIFIED OR SHOWN TO BE PAINTED, THE ELECTRICAL CONTRACTOR SHALL REMOVE ALL ELECTRICAL ITEMS AS REQUIRED, INCLUDING BUT NOT LIMITED TO, LIGHTING FIXTURES, DEVICE PLATES, DEVICES, ETC THE CONTRACTOR SHALL BE RESPONSIBLE FOR STORING THE REMOVED DEVICES IN A SAFE AND SECURE PLACE THE ELECTRICAL CONTRACTOR SHALL REINSTALL THE SAME DEVICES AFTER COMPLETION OF PAINTING. ANY ITEM NOT REMOVED AND PAINTED OVER SHALL BE SUITABLY CLEANED OR REPLACED WITH A NEW ITEM BY THE ELECTRICAL CONTRACTOR.
- 9. THE ELECTRICAL CONTRACTOR SHALL DE-ENERGIZE AND REMOVE ALL CONDUCTORS AND RACEWAYS WITHIN THE AREA OF DEMOLITION SCOPE TO THEIR POINT OF ORIGIN. ITEMS IDENTIFIED FOR DEMOLITION SHALL NOT BE ABANDONED IN PLACE. RACEWAYS THAT ENTER MASONRY WALLS AND FLOORS SHALL BE CUT FLUSH AT THE SURFACE FOR PATCHING BY OTHERS. ALL CIRCUIT BREAKERS ASSOCIATED WITH THE DEMOLITION SHALL BE DE-ENERGIZED. TRIPPED TO THE "OFF" POSITION AND RE-LABELLED AS "SPARE". NEW TYPED UPDATED CIRCUIT DIRECTORIES SHALL ALSO BE PROVIDED.
- 10. THE ELECTRICAL CONTRACTOR SHALL TEMPORARILY SUPPORT ALL ITEMS TO REMAIN THAT ARE AFFECTED BY THE DEMOLITION OF BUILDING STRUCTURAL COMPONENTS (WALLS, CEILINGS, PARTITIONS, ETC). CONTRACTOR SHALL TEMPORARILY SUPPORT
- ITEMS AND SHALL PROVIDE PERMANENT SUPPORTS WHEN FINALIZED STRUCTURES ARE IN PLACE. 11. ALL EXISTING ELECTRICAL EQUIPMENT THAT ARE TO BE RELOCATED SHALL BE STORED IN A SAFE MANNER UNTIL SUCH TIME AS
- TO BE REINSTALLED. ANY DAMAGE INCURRED TO EQUIPMENT SHALL BE RECTIFIED BY THE ELECTRICAL CONTRACTOR. 12. ALL REMOVED ITEMS SHALL BE LEGALLY DISPOSED OF UNLESS IDENTIFIED FOR REUSE. THE OWNER'S REPRESENTATIVE SHALL
- INSPECT ALL RETAINED ITEMS, PRIOR TO PLACEMENT IN THE IDENTIFIED STORAGE LOCATION BY THE ELECTRICAL CONTRACTOR. 13. THE WORK ON THIS PROJECT MAY BE PERFORMED IN PHASES. THE ELECTRICAL CONTRACTOR SHALL COORDINATE AND SCHEDULE HIS WORK AND ALLOW SUFFICIENT TIME AND COSTS TO ACCOMMODATE THE PHASING OF WORK. ANY ADDITIONAL COSTS INCURRED DUE TO LACK OF PROPER COORDINATION AND COMMUNICATION BY THE ELECTRICAL CONTRACTOR, WITH THE GENERAL CONTRACTOR, OTHER TRADES OR OWNER'S REPRESENTATIVE, SHALL BE ABSORBED BY THE ELECTRICAL CONTRACTOR
- WITHOUT ANY COSTS TO THE OWNER. COORDINATE PHASING REQUIREMENTS WITH THE ARCHITECT AND THE OWNER. 14. ALL DEMOLITION SCOPE ASSOCIATED WITH LOW VOLTAGE SYSTEMS, INCLUDING BUT NOT LIMITED TO, TELEPHONE, DATA,
- SECURITY, PAGING, CCTV, ETC SHALL BE INCLUDED IN THIS CONTRACT. 15. REMOVED FLUORESCENT AND HID LAMPS AND BATTERIES SHALL BE RECYCLED BY A FACILITY APPROVED BY THE OWNER'S
- REPRESENTATIVE. A UNIFORM HAZARDOUS WASTE MANIFEST SHALL BE PREPARED FOR ALL DISPOSALS AND RETURNED WITH ALL APPLICABLE SIGNOFFS PRIOR TO APPLICATION FOR FINAL PAYMENT. 16. ALL BALLASTS IN LIGHTING FIXTURES TO BE DISPOSED SHALL BE VERIFIED TO BE PCB FREE. ALL BALLASTS MANUFACTURED PRIOR TO 1979 AND NOT LABELED AS PCB FREE SHALL BE CONSIDERED TO CONTAIN PCB'S. PROVIDE WRITTEN REPRESENTATION TO THE OWNER'S REPRESENTATIVE THAT CONFIRMS PCB FREE WASTE, WHERE PCB FREE WASTE CANNOT BE VERIFIED. BALLASTS SHALL BE RECYCLED BY A FACILITY APPROVED BY THE OWNER'S REPRESENTATIVE. WITH PCB COMPONENTS

CONFORM TO EPA REQUIREMENTS PROVIDE BREAKOUT COST FOR THIS SCOPE.

ELIMINATED BY A HIGH TEMPERATURE INCINERATION. A UNIFORM HAZARDOUS WASTE MANIFEST SHALL BE PREPARED FOR ALL

DISPOSALS AND RETURNED WITH ALL APPLICABLE SIGNOFFS, PRIOR TO APPLICATION FOR FINAL PAYMENT. ALL HANDLING SHALL

WIRING METHODS		
REFER TO SPECIFICATION	ONS FOR ADDITIONAL INFORMATION	
SERVICE FEEDERS	UNDERGROUND: XHHW-2 CONDUCTORS IN PVC SCHEDULE 40 ENCASED IN CONCRETE OR RIGID METAL CONDUIT ENCASED IN CONCRETE. ABOVE GRADE: XHHW-2 CONDUCTORS IN RIGID METAL CONDUIT (OR EMT IF ALLOWED BY ELECTRIC UTILITY COMPANY STANDARDS)	
NORMAL SYSTEM FEEDERS	XHHW/XHHW-2 CONDUCTORS IN EMT	
NORMAL BRANCH CIRCUITS	THHN/THWN/XHHW/XHHW-2 CONDUCTORS IN EMT OR MC CABLE	
LOW VOLTAGE SYSTEM (TELEPHONE, DATA, AND CATV) WIRING	TYPE CMR, CM, MPR AND MP CABLES	
EMERGENCY SYSTEM FEEDERS	MI CABLE	
EMERGENCY SYSTEM BRANCH CIRCUITS	THHN/THWN/XHHW/XHHW-2 CONDUCTORS IN EMT	

ELECTRICAL DRAWING LIST		
DRAWING N	<u>DESCRIPTION</u>	
E0.01	ELECTRICAL LEGEND, GENERAL NOTES AND DETAILS	
ED1.01	ELECTRICAL DEMOLITION PLAN	
E1.01A	ELECTRICAL NEW WORK PLAN	
E1.01B	ELECTRICAL NEW WORK PLAN	
E2.01	ELECTRICAL SCHEDULES AND DETAILS	

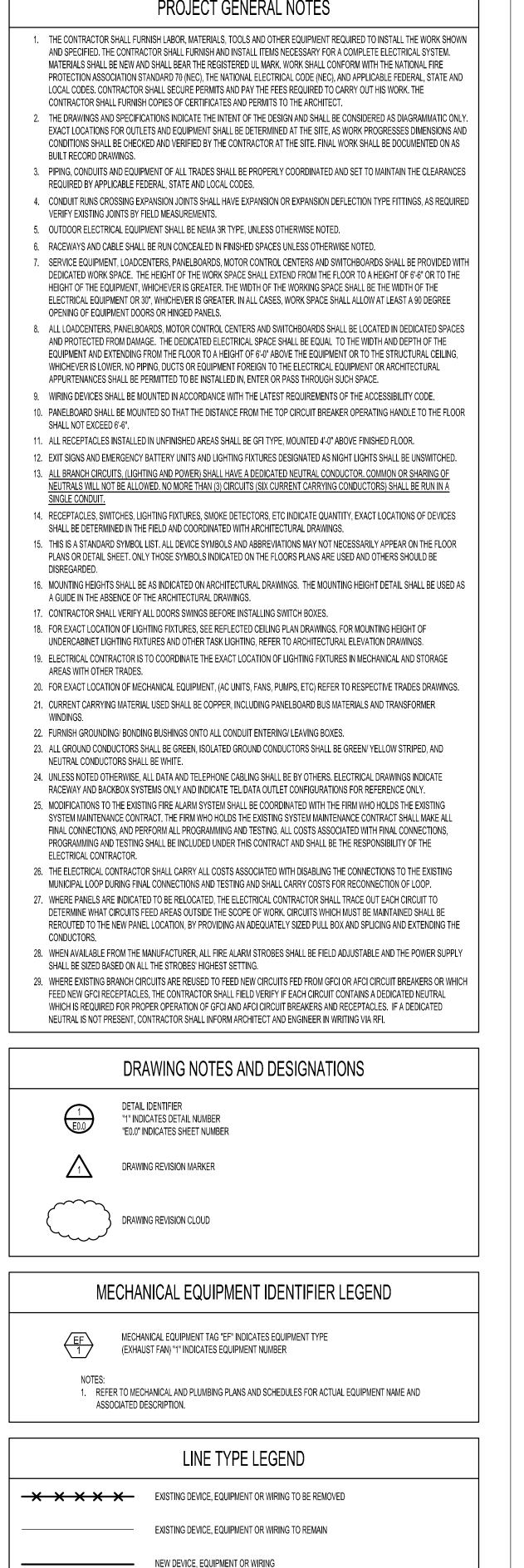
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EXISTING CONDITIONS DESIGNATIONS

X EXISTING DEVICE SHALL BE REMOVED INCLUDING ALL ASSOCIATED RACEWAYS AND CIRCUITRY BACK

TO ITS SOURCE

XM EXISTING DEVICE SHALL REMAIN AND SHALL BE MAINTAINED

XL NEW LOCATION OF EXISTING TO BE RELOCATED DEVICE

XR EXISTING DEVICE SHALL BE RELOCATED

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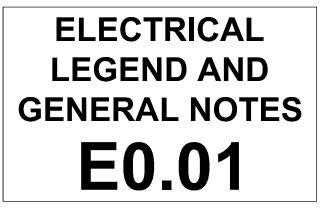
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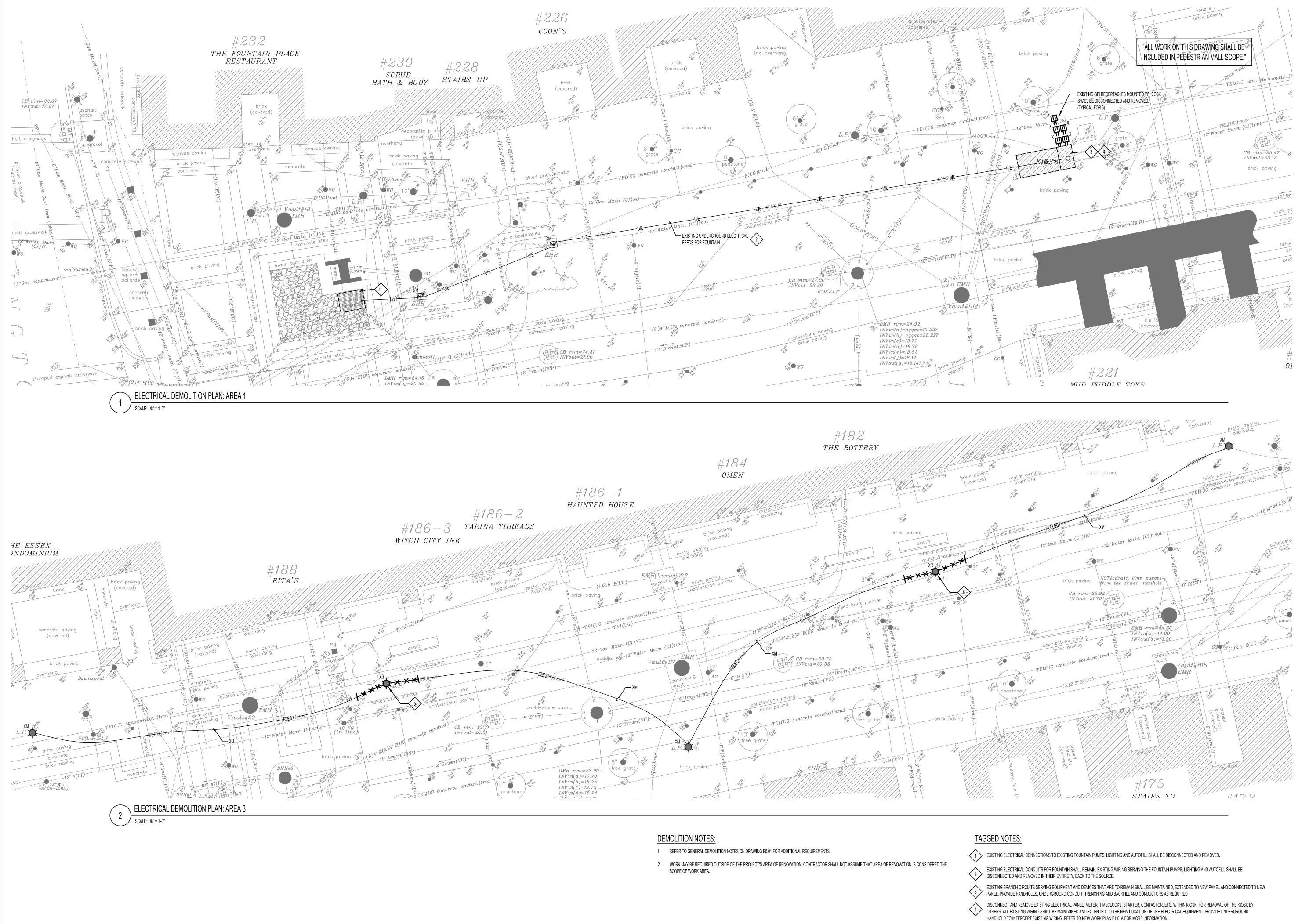
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No.	Date	Description
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APRIL 17, 2013

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PROJECT NUMBER
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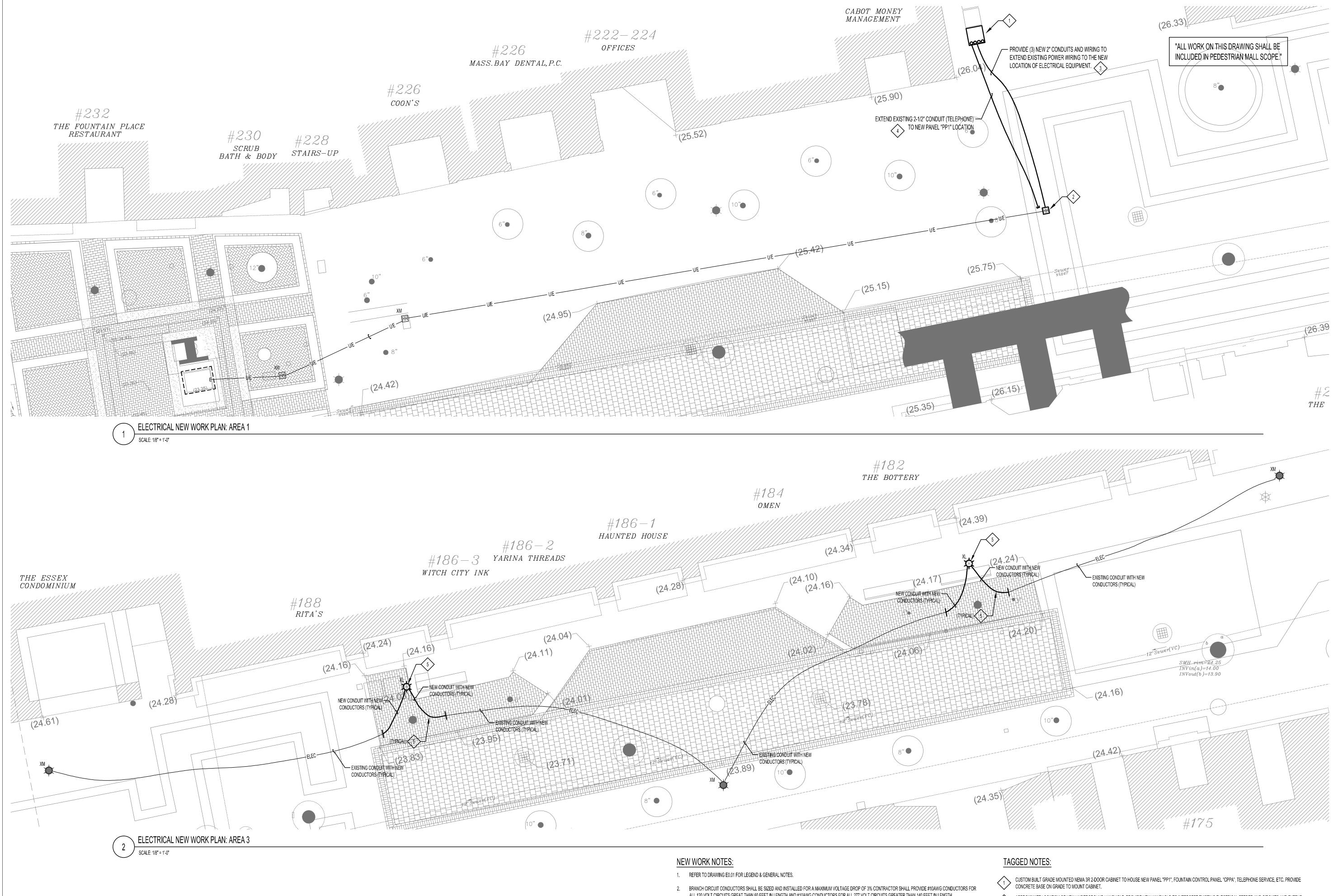
ELECTRICAL

DEMOLITION PLAN

ED1.01

EXISTING LIGHT POLE SHALL BE RELOCATED. DISCONNECT AND REMOVE POLE AND LIGHT FIXTURE AND STORE FOR RE-INSTALLATION. MAINTAIN EXISTING 5 CIRCUITRY AND EXTEND TO NEW LOCATION AS REQUIRED.





- ALL 120 VOLT CIRCUITS GREAT THAN 60 FEET IN LENGTH AND #10AWG CONDUCTORS FOR ALL 277 VOLT CIRCUITS GREATER THAN 140 FEET IN LENGTH. CONTRACTOR SHALL PROVIDE #8AWG CONDUCTORS FOR ALL 120 VOLT CIRCUITS GREATER THAN 100 FEET, BUT LESS THAN 160 FEET IN LENGTH AND #8AWG CONDUCTORS FOR ALL 277 VOLT CIRCUITS GREATER THAN 225 FEET, BUT LESS THAN 350 FEET IN LENGTH. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS AND OPTIONS.

APPROXIMATE LOCATION OF NEW UNDERGROUND HANDHOLE. PROVIDE NEW HANDHOLD TO INTERCEPT EXISTING ELECTRICAL FEEDER AND CIRCUITS AND EXTEND APPROXIMATE LOCATION OF NEW UNDERGROUND HANDHOLE. PROVIDE NEW HANDHOLD TO INTERCEPT EXISTING ELECTRICAL FEEDER AND CIRCUI TO THE NEW LOCATION OF THE ELECTRICAL PANEL AND EQUIPMENT, AS SHOWN. NEW HANDHOLE SHALL BE EQUAL TO QUAZITE TYPE "PG" STYLE. PROVIDE NEW WIRING FROM HANDHOLE TO THE NEW ELECTRICAL EQUIPMENT, TO EXTEND EXISTING PANELBOARD FEEDER AND CIRCUITS TO THE NEW LOCATION SHOWN.

4 INTERCEPT EXISTING 2-1/2" UNDERGROUND CONDUIT (TELEPHONE SERVICE) AND EXTEND IN CABINET.

INSTALL EXISTING SITE LIGHT POLE IN NEW LOCATION AS SHOWN. PROVIDE NEW CONCRETE BASE - SEE DETAIL #4 ON DRAWING E2.01. EXTEND EXISTING UNDERGROUND CONDUIT TO NEW POLE BASE AND PROVIDE NEW WIRING FOR EXISTING POLES AS REQUIRED.

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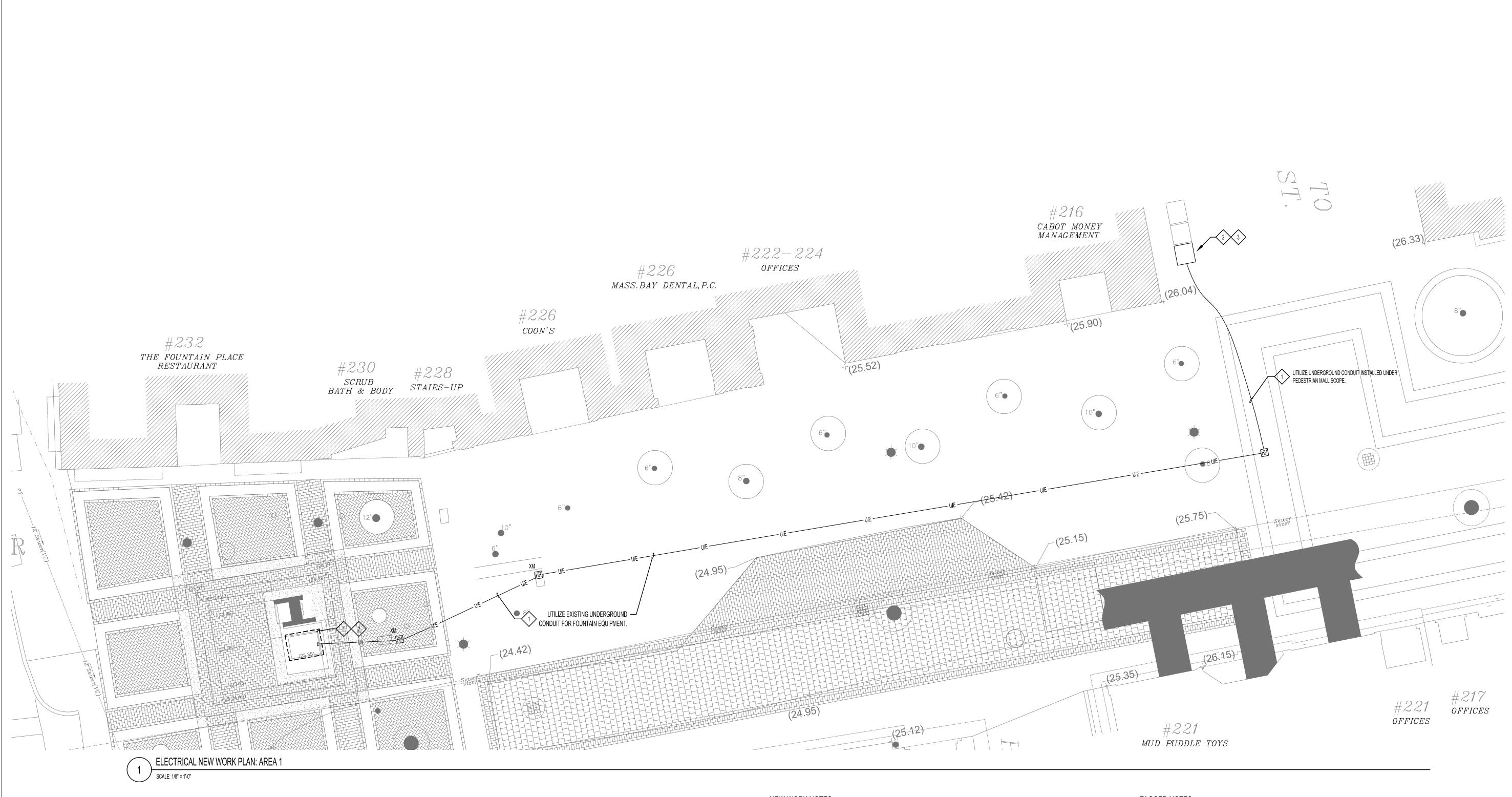
and Community Development

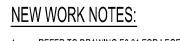
APRIL 17, 2013

DRAWN BY:	MPE
CHECKED BY:	MDT
LWSI	PROJECT NUMBER
	1202

ELECTRICAL **NEW WORK PLAN**

E1.01A





1. REFER TO DRAWING E0.01 FOR LEGEND & GENERAL NOTES.

ESSEX STREET

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ELECTRICAL ENGINEER R.W. Sullivan Engineering 529 Main Street Suite 203 Boston, MA 02129 P: 617-523-8227

FOUNTAIN CONSULTANT CMS 1100 Water Street Suite 2c Santa Cruz, CA 95062 P: 831-425-3743

REVISIONS

No.	Date	Description
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APRIL 17, 2013

DRAWN BY: MPE CHECKED BY: MDT LWSI PROJECT NUMBER 1202		
LWSI PROJECT NUMBER	DRAWN BY:	MPE
	CHECKED BY:	MDT
1202	LWSI	PROJECT NUMBER
		1202

ELECTRICAL **NEW WORK PLAN**

E1.01B

"ALL WORK ON THIS DRAWING SHALL BE INCLUDED IN PEDESTRIAN MALL SCOPE."

TAGGED NOTES:

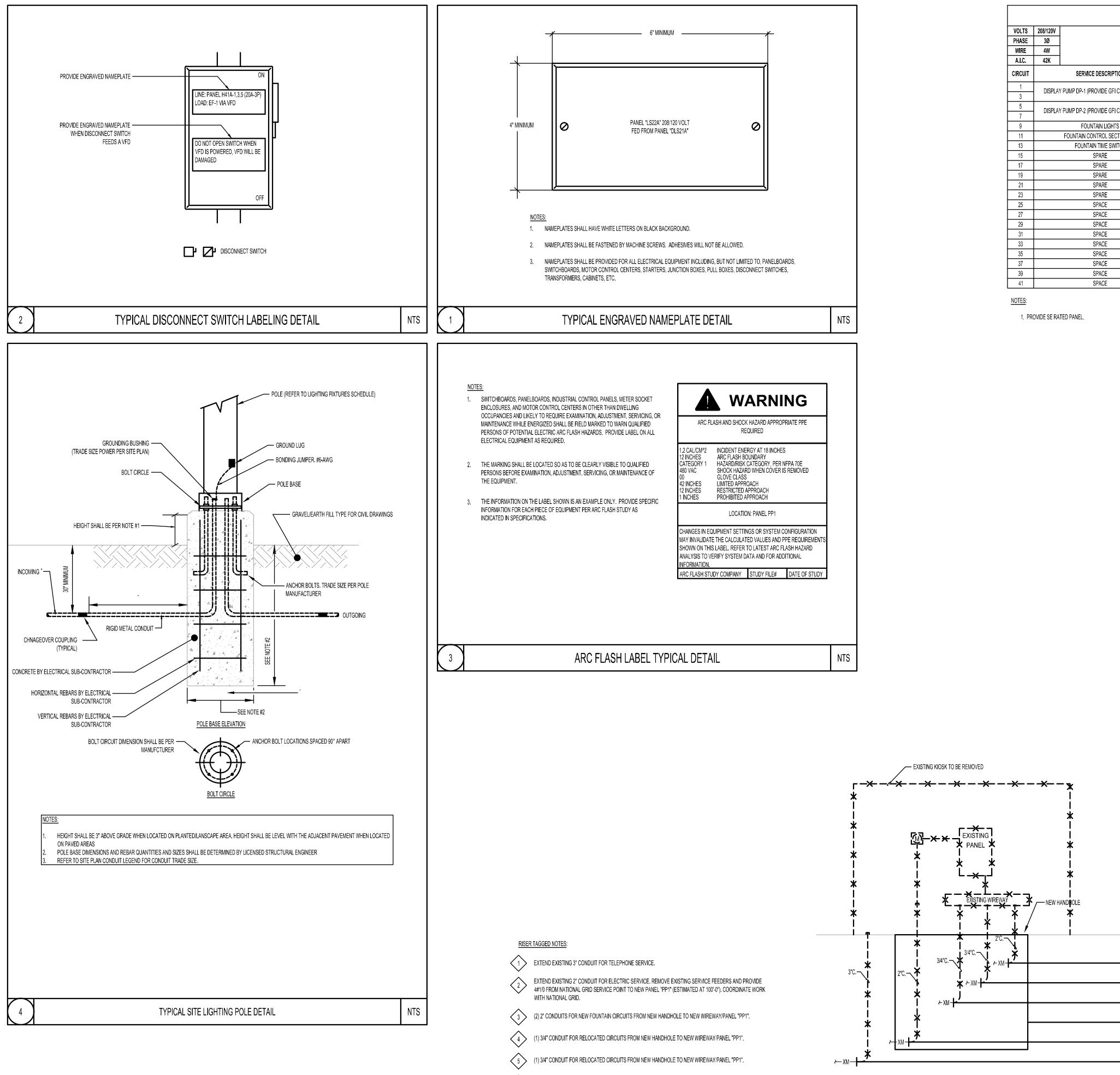
NEW FOUNTAIN WITH PUMPS AND LIGHT FIXTURES. PROVIDE NEW WIRING FROM NEW PANEL "PP1"/CONTROL PANEL. PROVIDE THE FOLLOWING CIRCUITS IN EXISTING CONDUITS:

1. 3#10 & 1#10G (DISPLAY PUMP DP-1) - PP1-1,3 (25A-2P)

- 2. 3#10 & 1#10G (DISPLAY PUMP DP-2) PP1-5,7 (25A-2P) 3. 2#10 & 1#10G (LIGHT FIXTURES) PP1-9 (20A-1P)
- 4. 2#14 (MAKE-UP VALVE MUV-1)
- 5. 3#14 (WATER LEVEL SENSOR WLS-1) 6. 4#14 (ANEMOMETER)
- 7. 4#10 & 4#14 (SPARE CONDUCTORS)

2 REFER TO FOUNTAIN ELECTRIC DRAWING WE1.1 FOR ADDITIONAL INFORMATION.

3 LOCATION OF ELECTRICAL PANELBOARD "PP1" AND NEW FOUNTAIN CONTROL PANEL "CPPA". REFER TO DRAWING WE1.1 FOR ADDITIONAL INFORMATION.



VOLTS	208/120V										MAINS	225A
PHASE	3Ø										BUSSING	225A
WIRE	30 4W										FEED	125A MC
A.I.C.	400 42K									F	MOUNTING	SURFAC
CIRCUIT		SERVICE DESCRIPTION	BREAKER	POLES	A	в	C	POLES	BREAKER	SERVICE DESCRIPTION		CIRCUI
1								1P	30A	EXISTING LOAD		2
3	DISPLAT	' PUMP DP-1 (PROVIDE GFI CIRCUIT BREAKER)	25A	2P				1P	30A	EXISTING LOAD		4
5			054	00				1P	30A	EXISTING LOAD		6
7	DISPLAT	<pre>/ PUMP DP-2 (PROVIDE GFI CIRCUIT BREAKER)</pre>	25A	2P				1P	30A	EXISTING LOAD		8
9		FOUNTAIN LIGHTS	20A	1P	Γ			1P	20A	EXISTING LOAD		10
11		FOUNTAIN CONTROL SECTOR CPA		1P				1P	20A	EXISTING LOAD		12
13		FOUNTAIN TIME SWITCH	20A	1P				1P	20A	EXISTING LOAD		14
15		SPARE	20A	1P				1P	20A	EXISTING LOAD		16
17		SPARE	20A	1P				1P	20A	EXISTING LOAD		18
19		SPARE	20A	1P				1P	20A	EXISTING LOAD		20
21		SPARE	20A	1P				1P	20A	EXISTING LOAD		22
23		SPARE	20A	1P				1P	20A	EXISTING LOAD		24
25		SPACE	-A	1P				1P	20A	SPARE		26
27		SPACE	-A	1P				1P	20A	SPARE		28
29		SPACE	-A	1P				1P	20A	SPARE		30
31		SPACE	-A	1P				1P	20A	SPARE		32
33		SPACE	-A	1P				1P	-A	SPACE		34
35		SPACE	-A	1P				1P	-A	SPACE		36
37		SPACE	-A	1P				1P	-A	SPACE		38
39		SPACE	-A	1P				1P	-A	SPACE		40
41		SPACE	-A	1P				1P	-A	SPACE		42

6 (1) 2" CONDUIT FOR RELOCATED CIRCUITS FROM NEW HANDHOLE TO NEW WIREWAY/PANEL "PP1".

7 PROVIDE 1#6 AND 10'-0" GROUND ROD FOR SERVICE GROUND.

PARTIAL POWER RISER DIAGRAM SCALE: NONE

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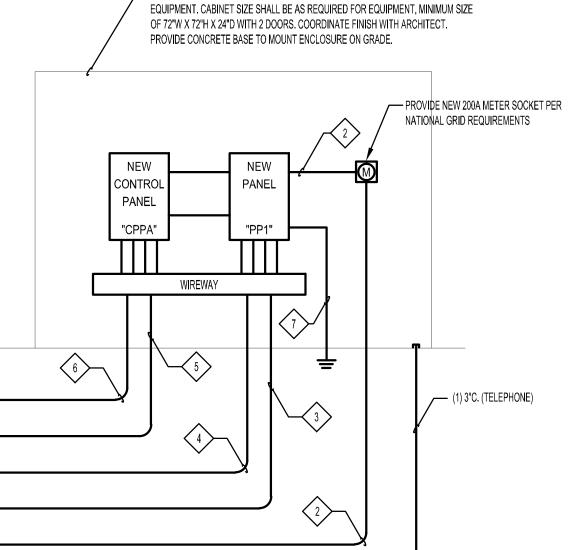
REVISIONS

No.	Date	Description

APRIL 17, 2013

DRAWN BY:	MPE
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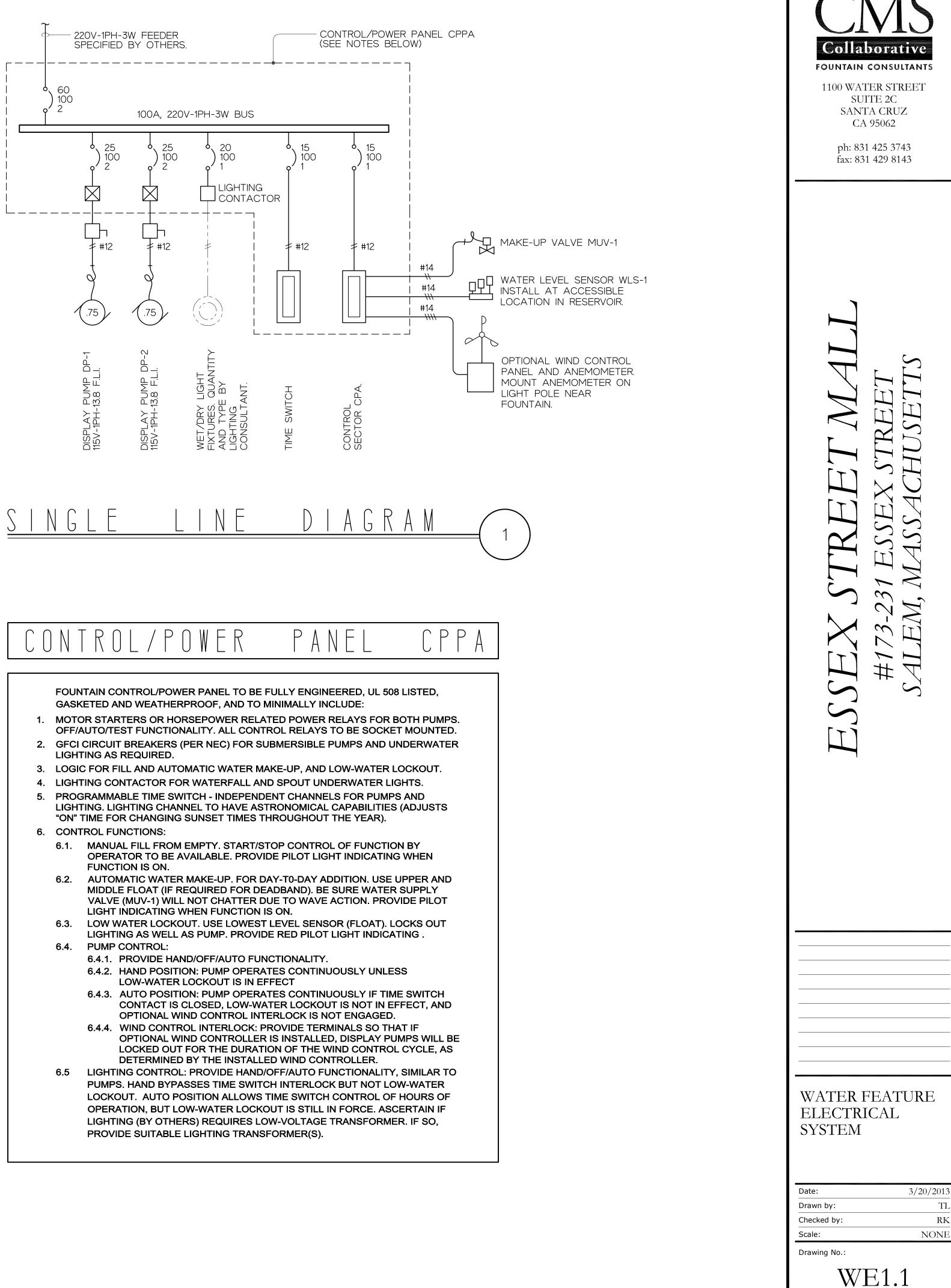
- PROVIDE NEW CUSTOM-BUILT NEMA 3R ENCLOSURE CABINET FOR ALL ELECTRICAL

\mathbb{N} 6

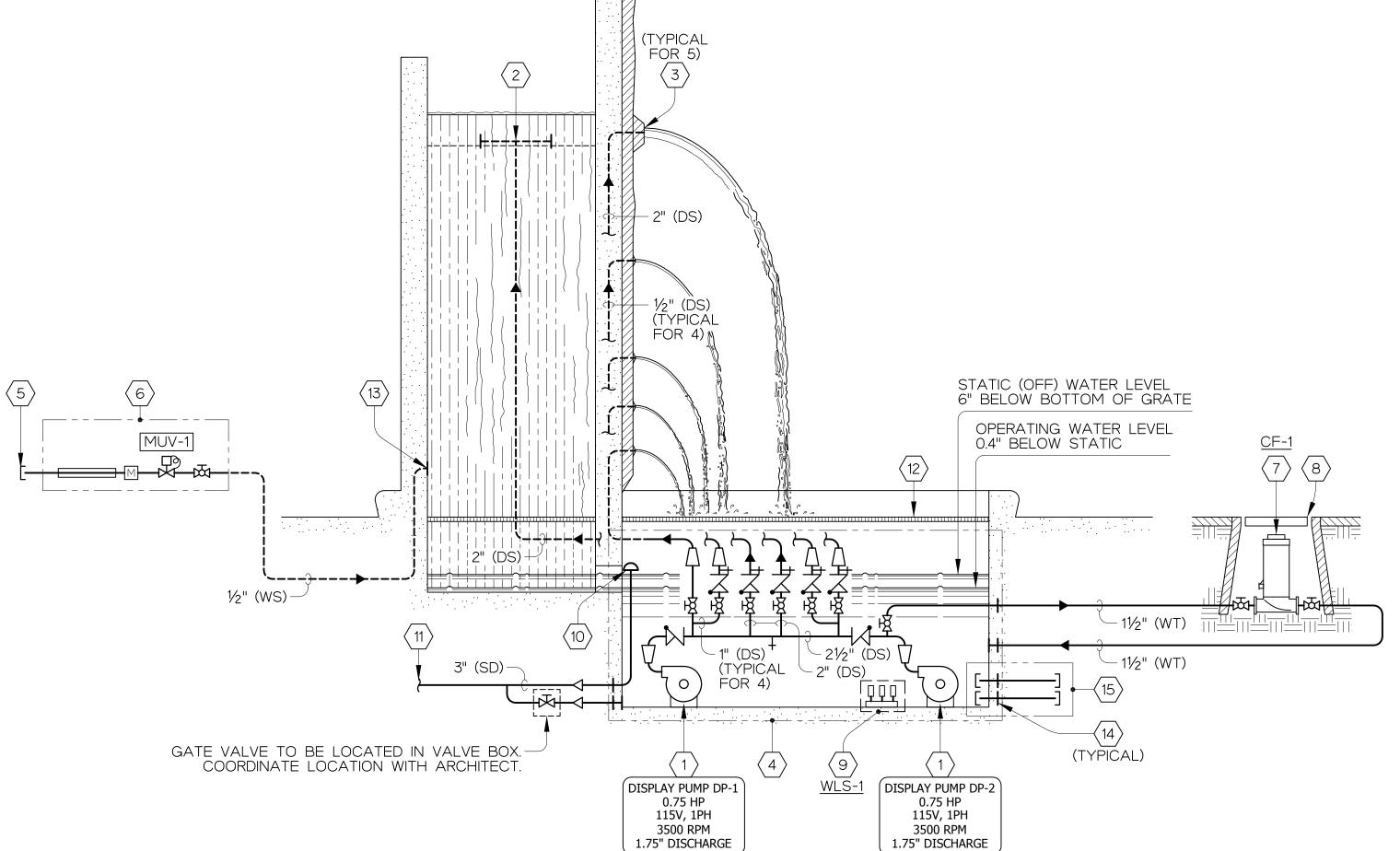
- 1. VERIFY THE EXACT LOCATION OF THE WATER DISPLAY WITH THE ARCHITECTURAL OR LANDSCAPE DRAWINGS.
- 2. ELECTRICAL INSTALLATION SHALL MEET ALL NEC REQUIREMENTS, BOTH IN GENERAL, AND FOR FOUNTAINS AND SWIMMING POOLS (NEC 680).
- 3. LAYOUT RUNS TO SUIT FIELD CONDITIONS AND THE REQUIREMENTS OF OTHER TRADES. VERIFY THE EXACT LOCATIONS OF ALL MOTORS, DEVICES, PIPING AND OTHER EQUIPMENT PRIOR TO DETERMINING OUTLET LOCATIONS. DETERMINE THE EXACT LOCATION OF MECHANICAL POOL HARDWARE TO AVOID CONFLICTS WITH UNDERWATER LIGHTING FIXTURES AND JUNCTION BOXES.
- 4. CONDUIT SHALL NOT BE ROUTED THROUGH ANY WATERPROOF MEMBRANE UNLESS SPECIFICALLY INDICATED ON THE DRAWINGS.
- 5. CORE DRILLING FOR CONDUIT PENETRATIONS THROUGH POOL WALLS SHALL BE ACCOMPLISHED ONLY AT LOCATIONS AND IN A MANNER APPROVED BY THE ARCHITECT.
- 6. MINIMUM CONDUIT SIZE SHALL BE 3/4" TRADE SIZE UNLESS OTHERWISE INDICATED ON THESE DRAWINGS.
- 7. CONDUIT RUNS CONTAINING CONDUCTORS FOR WATER LEVEL SENSING FLOATS SHALL NOT CARRY ANY OTHER CONDUCTORS.
- 8. CONDUIT RUNS AND ENCLOSURES (EXCEPT CIRCUIT BREAKER AND CONTROL PANELBOARDS) CONTAINING CIRCUITS PROTECTED BY GFCI TYPE CIRCUIT BREAKERS SHALL NOT CARRY NON-GFCI PROTECTED CIRCUITS.
- 9. CONDUCTOR SIZES ARE INDICATED AT CROSSMARK SYMBOLS.
- 10. GROUNDING CONDUCTORS ARE NOT SHOWN BY CONDUIT AND WIRING SYMBOLS. INSTALL AND CONNECT A CODE SIZE INSULATED OR BARE COPPER GROUNDING CONDUCTOR IN ALL CONDUIT RUNS. PERMANENTLY GROUND AND BOND ELECTRICAL CABINETS, MOTORS, CONDUITS, AND METAL IN AND AROUND POOL.
- 11. IDENTIFY EVERY BRANCH CIRCUIT AND CONTROL CONDUCTOR AT BOTH ENDS BY CIRCUIT NUMBER OR CONTROL WIRE NUMBER WITH THE SPECIFIED WIRE MARKERS.
- 12. POT ALL UNDERWATER JUNCTION BOXES WITH RE-ENTERABLE ENCAPSULANT. SEAL ALL CONDUIT ENTRIES IN UNDERWATER JUNCTION BOXES WITH SUITABLE, CHLORINE RESISTANT WATERPROOF CAULKING COMPOUND. ALL CONDUCTORS EXITING THE RESERVOIRS SHALL BE VIA UNDERWATER JUNCTION BOX.
- 13. STAINLESS STEEL CONDUIT SHALL BE USED FOR ALL PENETRATIONS THROUGH THE POOL SLAB. PROVIDE A WATERSTOP OR FLASHING FLANGE AS APPROPRIATE FOR EACH AND EVERY PENETRATION.
- 14. ALL METALLIC FASTENERS, INSERTS, BRACKETS, SUPPORTS, ETC. IN THE POOLS (WHETHER SUBMERGED OR NOT) SHALL BE STAINLESS STEEL, BRONZE, OR COPPER AS INDICATED. PLATED, UNPLATED, OR PAINTED FERROUS PARTS ARE NOT PERMITTED IN ANY SUBMERGED ELECTRICAL APPLICATION FOR THIS WORK.
- 15.LINE-OF-SITE DISCONNECTS SHALL BE PROVIDED FOR THE FOUNTAIN SUBMERSIBLE PUMPS, PER NEC REQUIREMENTS.

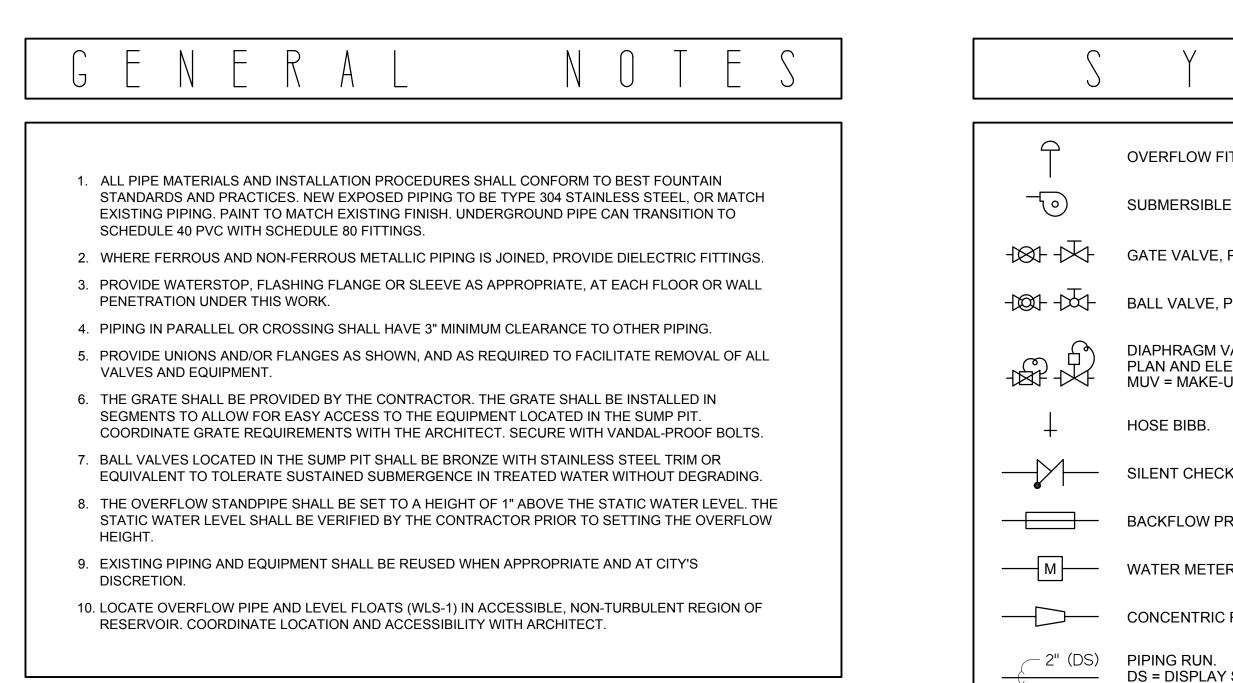
S	Y	М	В	$\left(\right)$	
\bigcirc	UNDERWATER	R UPLIGHT FIXT	URE.		
X	SOLENOID AC	TUATED DIAPH	IRAGM VALVE	Ξ.	
Ĺ	JUNCTION BO	X, SUBMERSIBI	LE.		
O) 60 100 O 2P	CIRCUIT BREA	KER: 60 AMP T	RIP ELEMEN	Γ, 100 AMP FR	AME, 2 POLE
1	MOTOR START	TER OR POWEF	R RELAY		
	DISCONNECT	SWITCH.			
5	MOTOR. NUM	BER INDICATES	S HORSEPOW	/ER.	
	CONDUIT RUN	CONCEALED I	N SLAB OR U	NDERGROUN	D.
	CONDUIT RUN	EXPOSED.			
	CROSSMARKS CONTAINED.	ON ANY CONE	DUIT INDICAT	E THE NUMBE	R OF WIRES
e	DIRECT TRANS	SITION FROM R	RIGID OR EMT	CONDUIT TO	FLEXIBLE C
	LIQUID TIGHT	FLEXIBLE CON	DUIT.		
\sim	SUBMERSIBLE	CORD.			











----- EXISTING PIPING.

S	Y	М	В	$\left(\right)$		S	
T	OVERFLOW FITT	ING, STAND	PIPE.				
-10	SUBMERSIBLE F	OUNTAIN PL	JMP.				
	GATE VALVE, PL	AN AND ELE	VATION.				
-100100-	BALL VALVE, PL	AN AND ELE	VATION.				
	DIAPHRAGM VAI PLAN AND ELEV MUV = MAKE-UP	ATION.	DID ACTUATEI), HYDRAULI(CALLY OPERAT	ED,	
\downarrow	HOSE BIBB.						
	SILENT CHECK	/ALVE.					
— <u>—</u> —	BACKFLOW PRE	VENTER, RE	DUCED PRES	SURE TYPE.			
M	WATER METER.						
	CONCENTRIC RI	EDUCER.					
2" (DS)	PIPING RUN. DS = DISPLAY SI SD = STORM DR			WS = WATEF WT = WATEF	R SUPPLY. R TREATMENT.		
]	CAPPED PIPE.						
————	TERMINATED OF	PEN PIPE					
—	NORMAL DIREC	FION OF FLC	W.				
	DIRECTION OF D	RAINAGE FI	_OW.				

FOUNTAIN 1100 WA SU SAN CA ph: 83	JOPATIVE DOPATIVE CONSULTANTS TER STREET ITE 2C TA CRUZ 95062 1 425 3743 1 429 8143
ESSEX STREET MALL	#173-231 ESSEX STREET SALEM, MASSACHUSETTS

WATER FEATURE PLUMBING NOTES, SYMBOLS AND SCHEMATIC DIAGRAM
Date: 3/20/20

Date:	3/20/2013
Drawn by:	GV
Checked by:	RK
Scale:	NONE
Drawing No.:	

W	P	1	•	1
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