

# Prefontaine Fountain

## 60% Design Presentation

Prepared For:



**Seattle**  
Parks & Recreation

By:



PARTNERSHIP  
**berger**



**MAYFLY**  
ENGINEERING + DESIGN, PLLC





# PREFONTAINE FOUNTAIN & SURROUNDING OPEN SPACE REHABILITATION

## PROJECT GOALS

Prefontaine Fountain's existing condition is overcome with a variety of issues of violent crime, visibility and safety, creating a space that no longer facilitates itself as a public resource but as a public burden. The goals below outline the variables the project team is working to resolve, guiding design strategies that honor the past while implementing solutions to present day problems.

### ADDRESS AGING INFRASTRUCTURE ISSUES

1. New plumbing services.

### ADDRESS PUBLIC HEALTH & SAFETY ISSUES

2. Wall heights in combination with street slopes create hiding spots and lack of visibility.
3. Fountain bowl feature encourages garbage accumulation.
4. Fountain in its current position is most susceptible for vandalism and vagrancy.

### CREATE A USER-FOCUSED PUBLIC OPEN SPACE

5. Existing structure blocks access through the site, causing users to avoid the area.
6. Re-establish community investment in the space.
7. Original turtles are broken and are not suitable vandal-resistant elements.
8. Opportunity for new commemorative plaque.
9. Three trees internal to the Prefontaine Place property are in poor health condition and must be removed. Opportunity for one new tree(TBD). Street trees to remain.





## FOUNTAIN UPDATES

### CLEANING & REPAIR EVALUATION

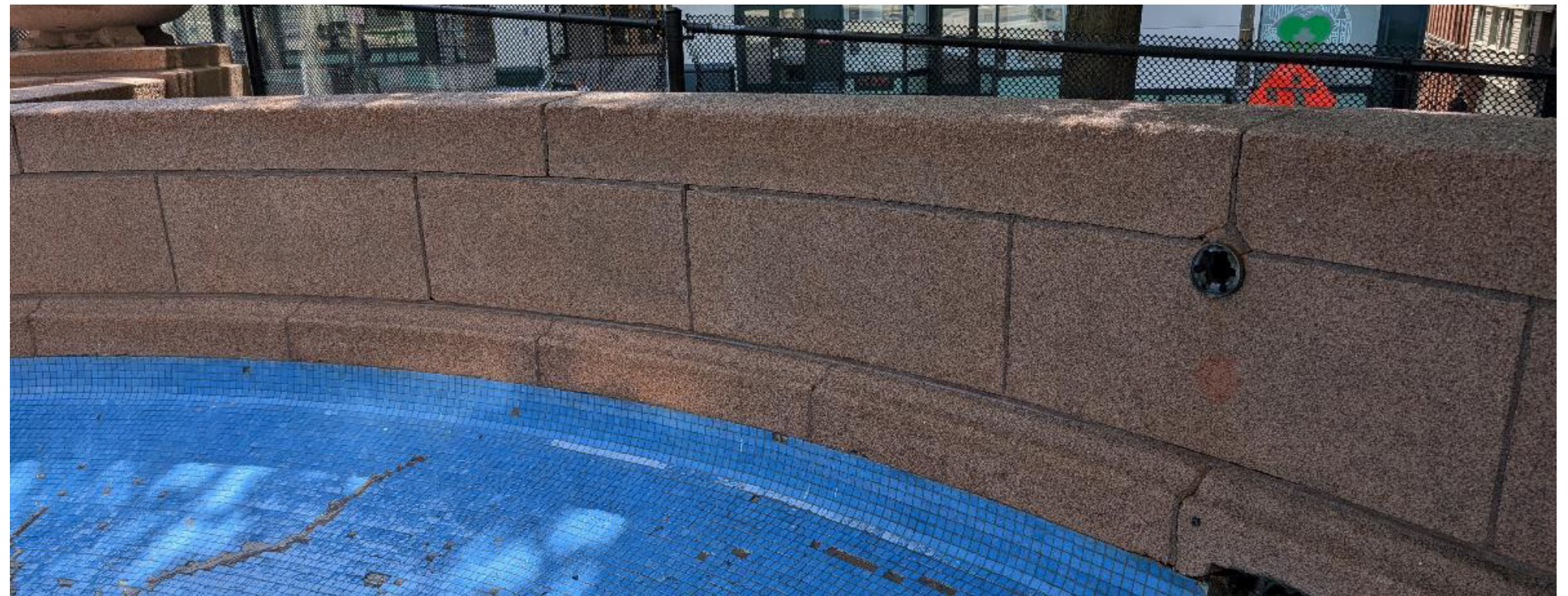
Fountain cleaning and evaluation has been completed to identify where the cast stone is in need of repairs. At this time, no pieces needing in kind replacement have been identified.

#### PROPOSED RESTORATION WORK INCLUDES:

- Routing out 100% of the mortar joints on the pre-cast fountain to a depth of 3/4 of an inch.
- Flushing joints with water to remove all dust and debris.
- Tuck point 100% of mortar joints using Type N mortar. Mortar color, texture and tooling to match existing.
- Route out cracks in the pre-cast fountain to a width and depth of 1/4 inch minimum; install new patch.
- Square cut the perimeter of any spalls to a depth of 1/4 inch minimum and prep surface per Cathedral Stone Jahn repair mortar specification; install new patch.
- Lightly clean new tuck pointing using Prosoco Safety Klean.



Cleaned Fountain Back Wing Wall - North of Monument



Cleaned Fountain Back Wing Wall - South of Monument



FOUNTAIN UPDATES

TREE REMOVAL

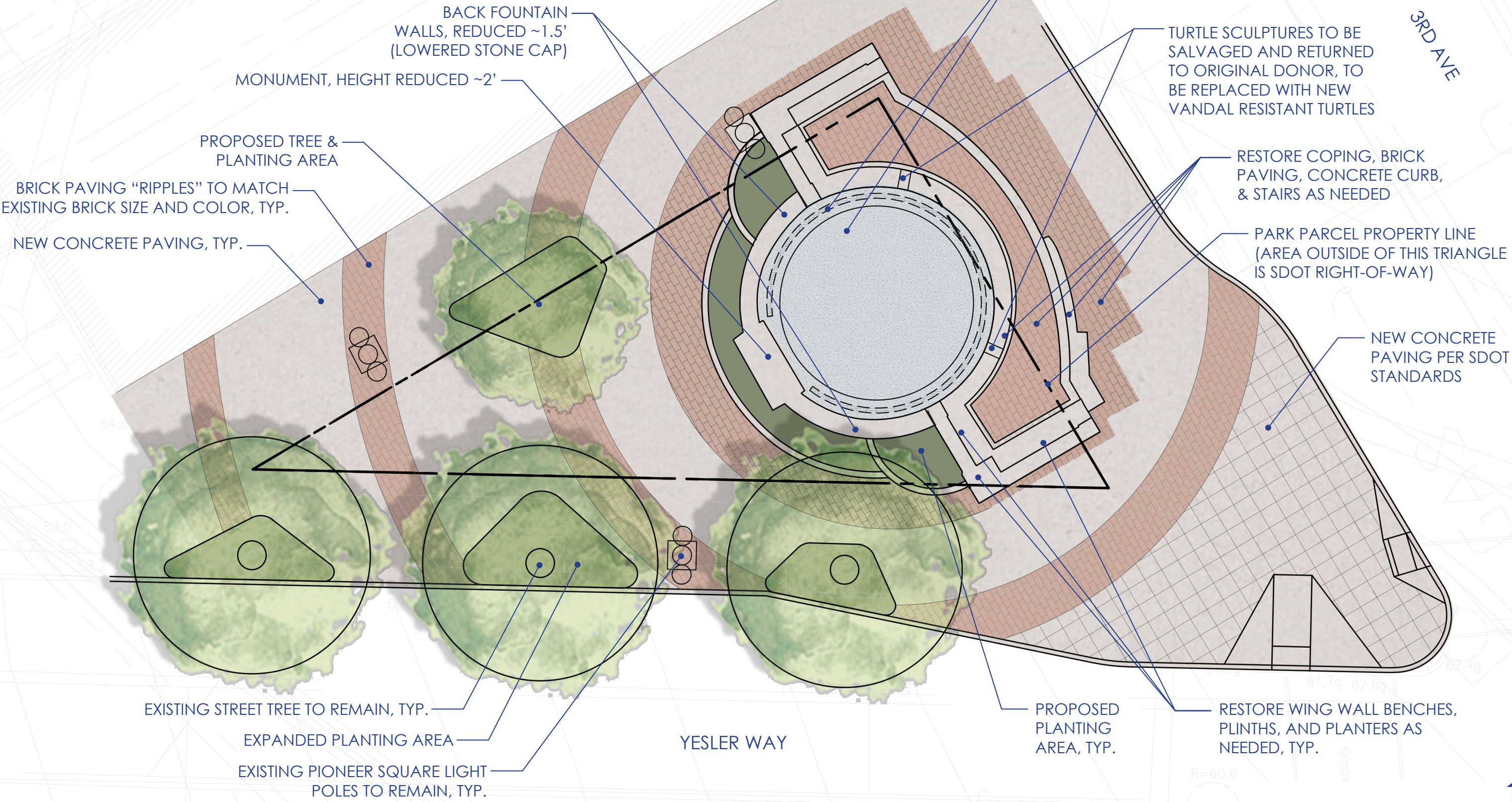
Also completed has been the removal of the center tree in the existing brick planter, which was coming into contact with the stone monument and causing stress to the structure.

Tree at back of monument that has been removed.



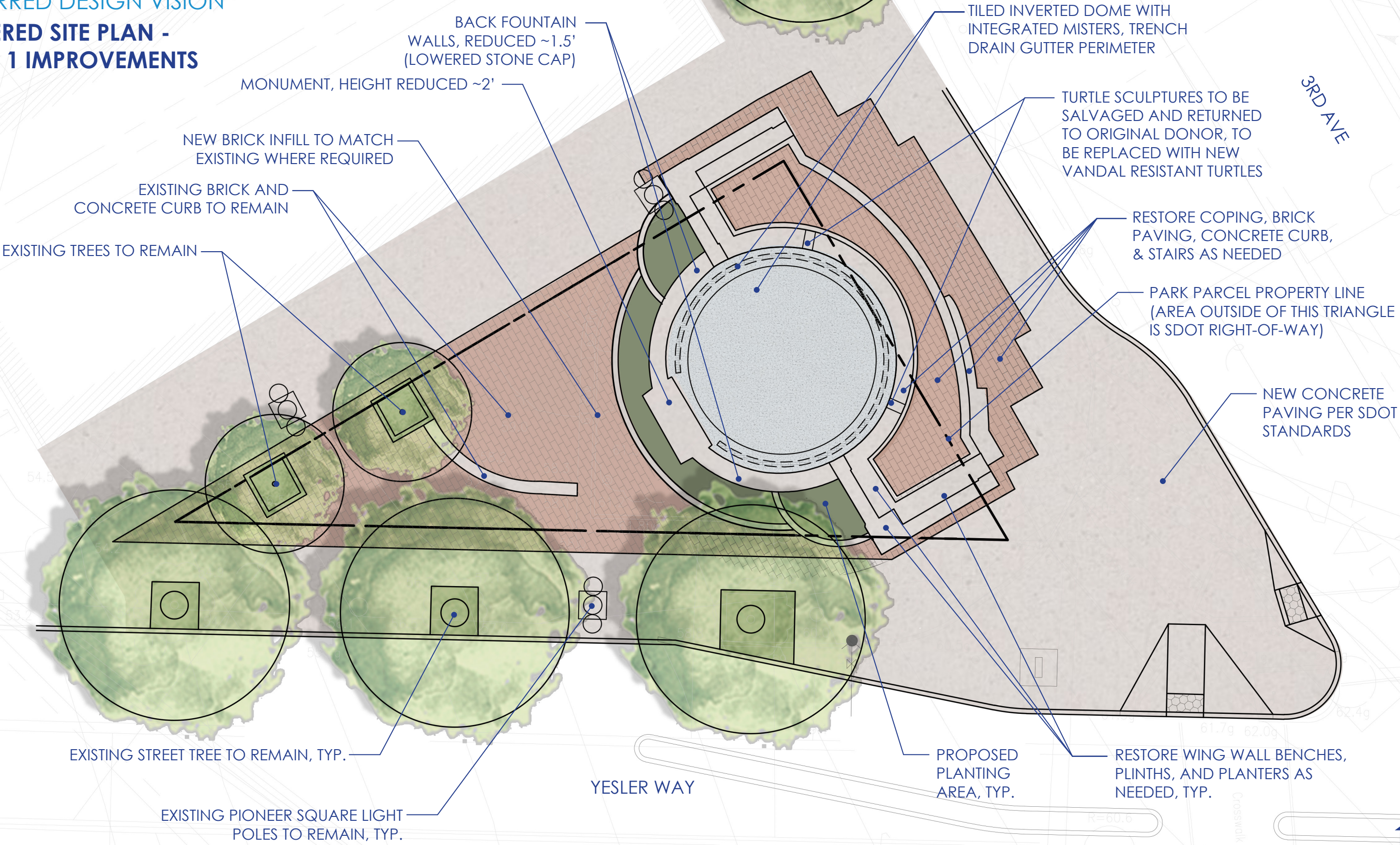


PREFERRED DESIGN VISION  
RENDERED SITE PLAN





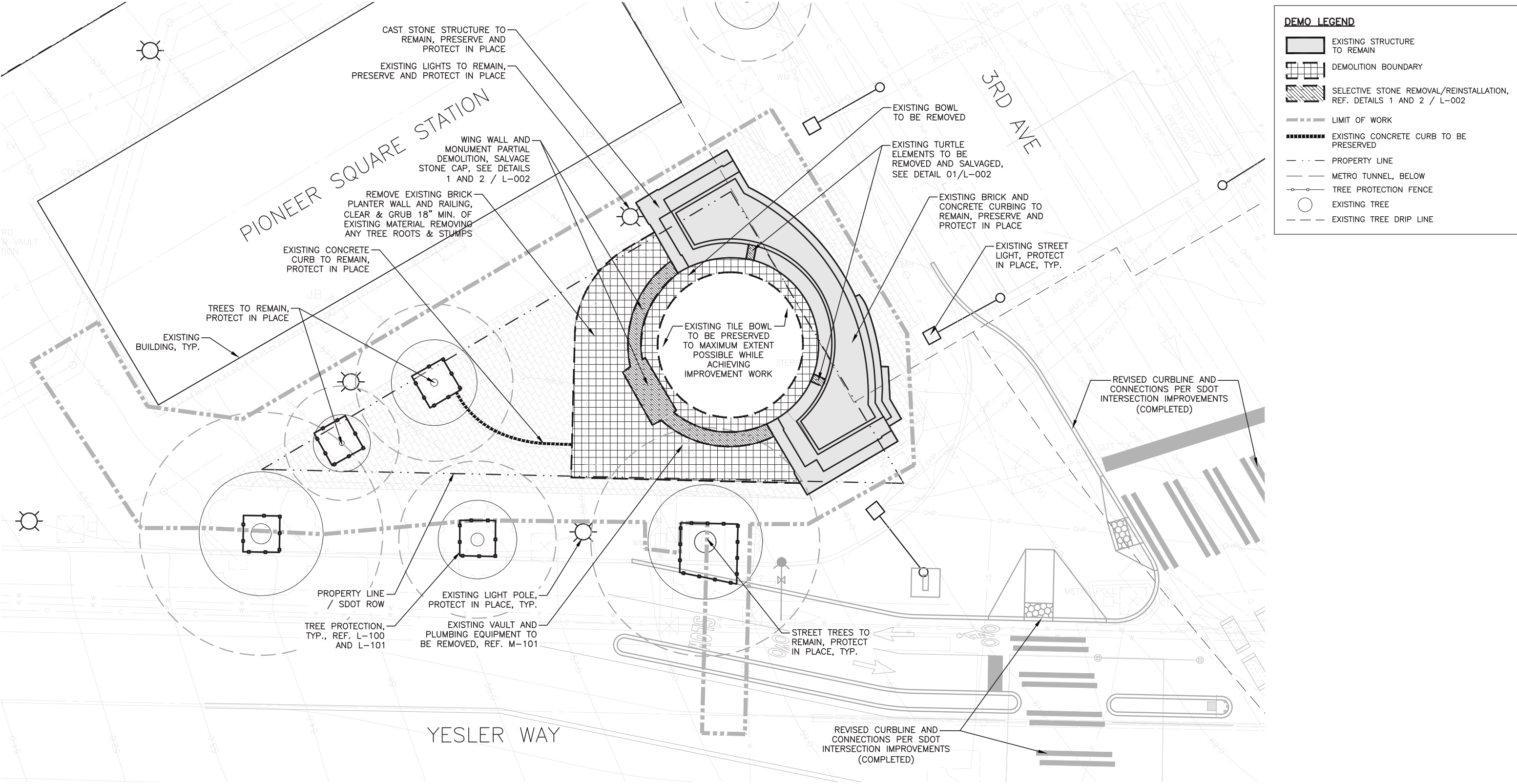
PREFERRED DESIGN VISION  
RENDERED SITE PLAN -  
PHASE 1 IMPROVEMENTS





60% CONSTRUCTION DOCUMENTATION

TECHNICAL DEMOLITION PLAN (pg. 05)



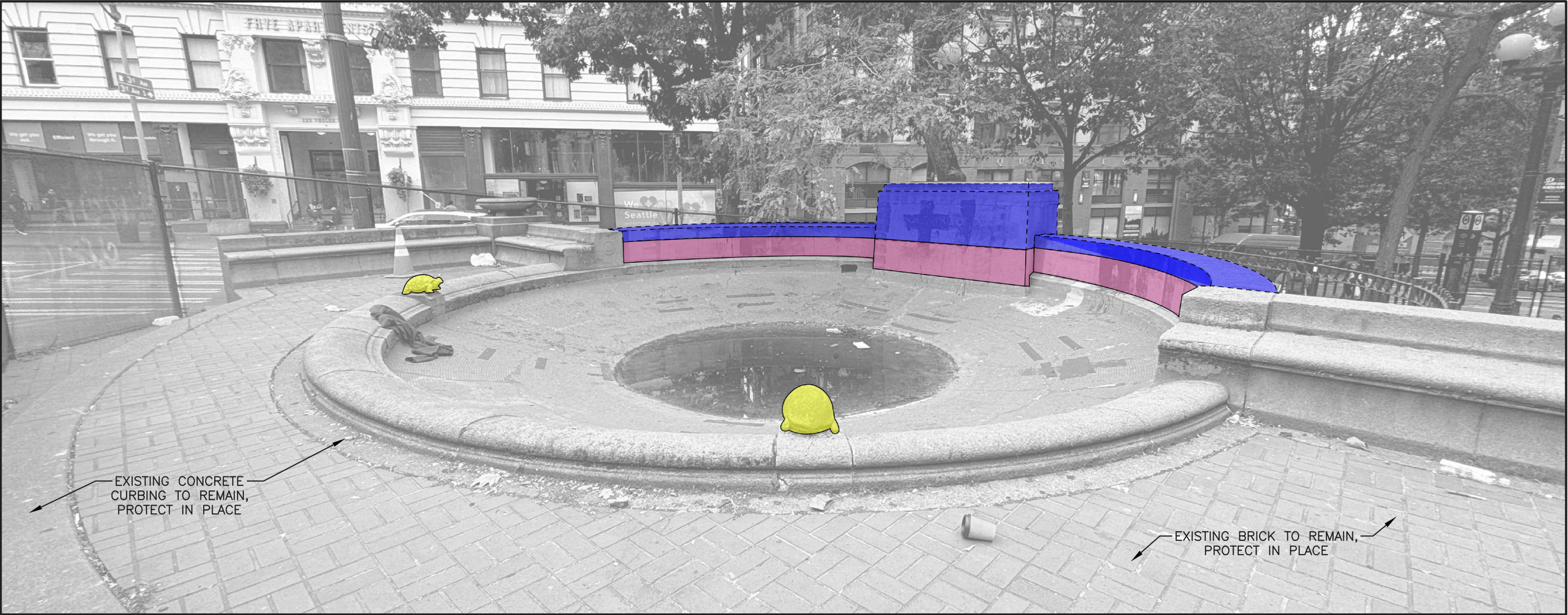


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SELECTIVE DEMOLITION DETAIL (pg. 06)

NOTES:

- 1. EXISTING STONE WALL COURSE IN PINK TO BE REMOVED AND DISPOSED OF.
- 2. EXISTING STONE TURTLE ELEMENTS TO BE REMOVED AND SALVAGED, SEE DETAIL 02/L-002.
- 3. EXISTING STONE CAP IN BLUE TO BE REMOVED TO BE REMOVED AND SALVAGED (OR RECREATED AS REQUIRED), AND RESET, SEE DETAIL 03/L-002.
- 4. ALL EXISTING STONE STRUCTURE NOT IDENTIFIED FOR REMOVAL TO BE PROTECTED IN PLACE.
- 5. ALL FOUNDATIONS/FOOTINGS TO BE PROTECTED IN PLACE.



01 EXISTING FOUNTAIN SELECTIVE DEMOLITION DIAGRAM  
SCALE: NTS



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SELECTIVE DEMOLITION DETAIL (pg. 06)

- NOTES:
- 1. TURTLE TO BE REMOVED AND RETURNED TO ORIGINAL DONOR.
  - 2. SEPARATE FROM BASE AT MORTAR JOINT. AVOID DAMAGING BOTH BASE AND TURTLE.
  - 3. CUT AND CAP EXISTING FOUNTAIN PLUMBING WITHIN TURTLE BASE PLINTH.



02 EXISTING TURTLE ELEMENT REMOVAL AND SALVAGE  
SCALE: NTS



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SELECTIVE DEMOLITION DETAIL (pg. 06)

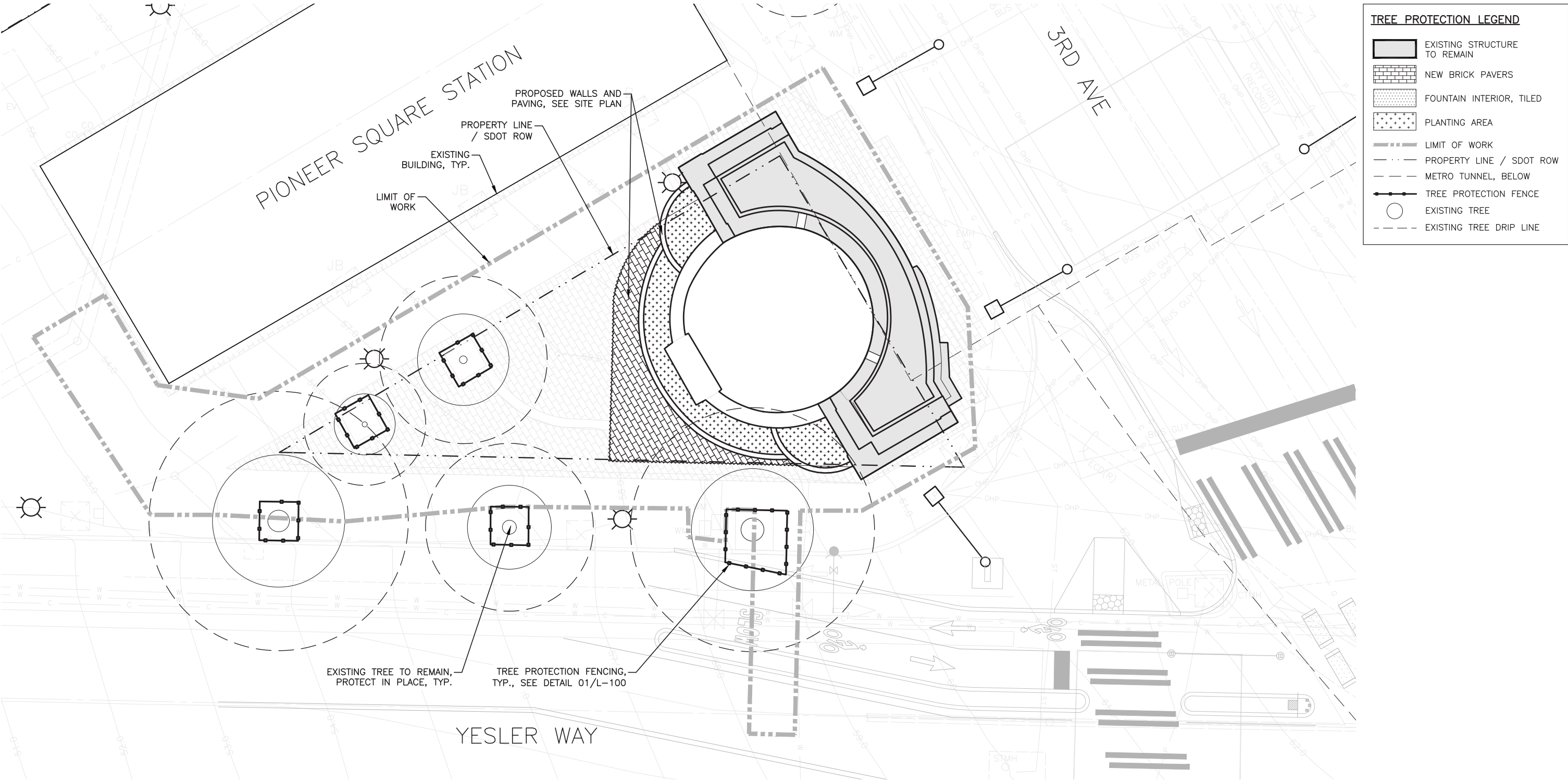
- NOTES:
- 1. RESTORE REMOVED CAST STONE WALL CAPS AND MONUMENT AT LOWERED LOCATIONS SHOWN IN GREEN.
  - 2. CONTRACTOR TO CONFIRM ALL LOCATION, HEIGHTS AND CONDITION OF STONE WITH LANDSCAPE ARCHITECT PRIOR TO RE-SETTING WALL ELEMENTS.
  - 3. NEW TURTLE SCULPTURES SHOWN TO BE LOCATED IN PLACE OF REMOVED TURTLES ELEMENTS, AS SHOWN IN GREEN. FABRICATOR TO FINALIZE AND COORDINATE TURTLE SCULPTURE ATTACHMENT AND INSTALL.



03 EXISTING FOUNTAIN SELECTIVE STONE RESTORATION DIAGRAM  
SCALE: NTS

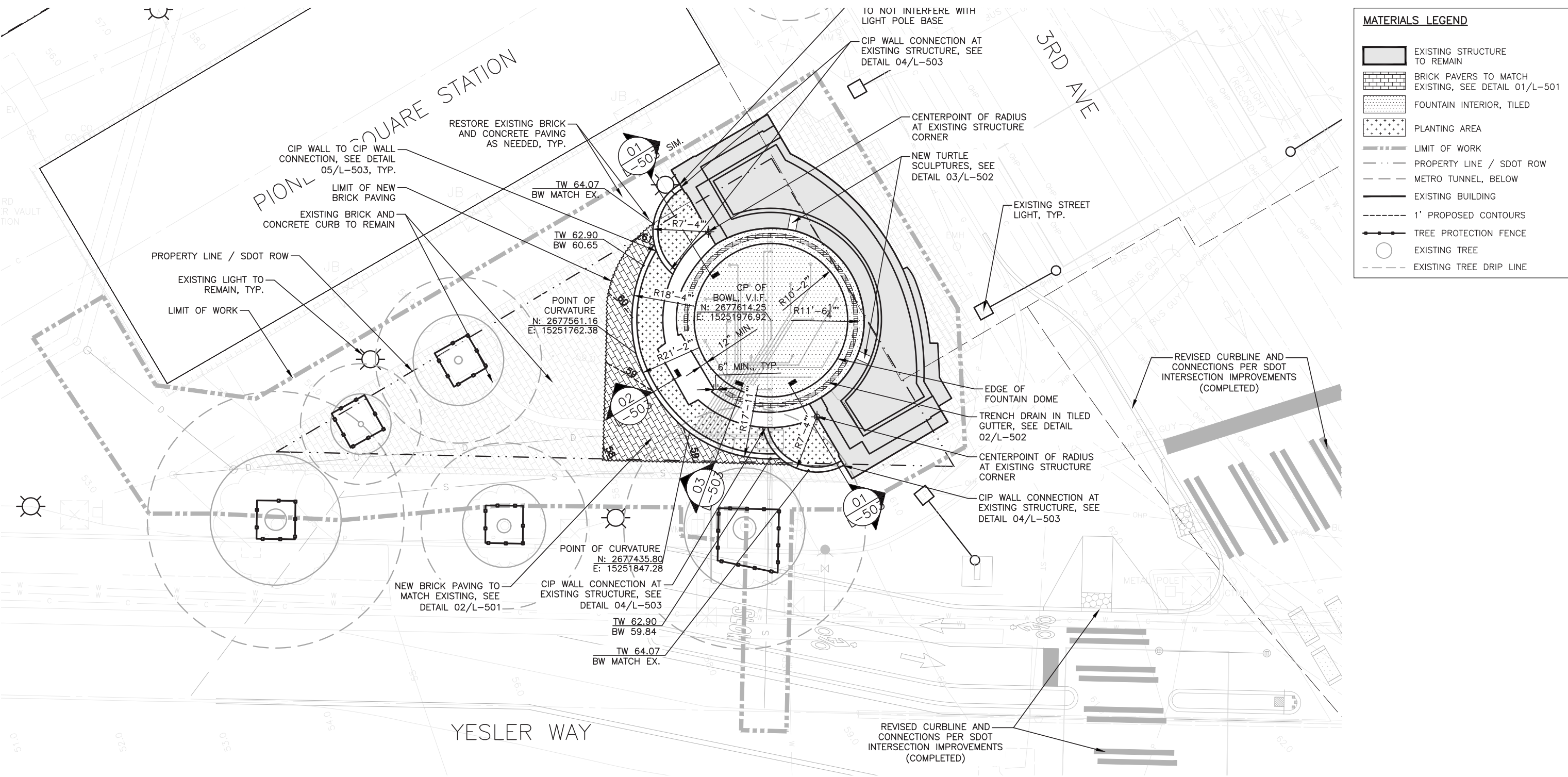


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TREE PROTECTION PLAN (pg. 08)



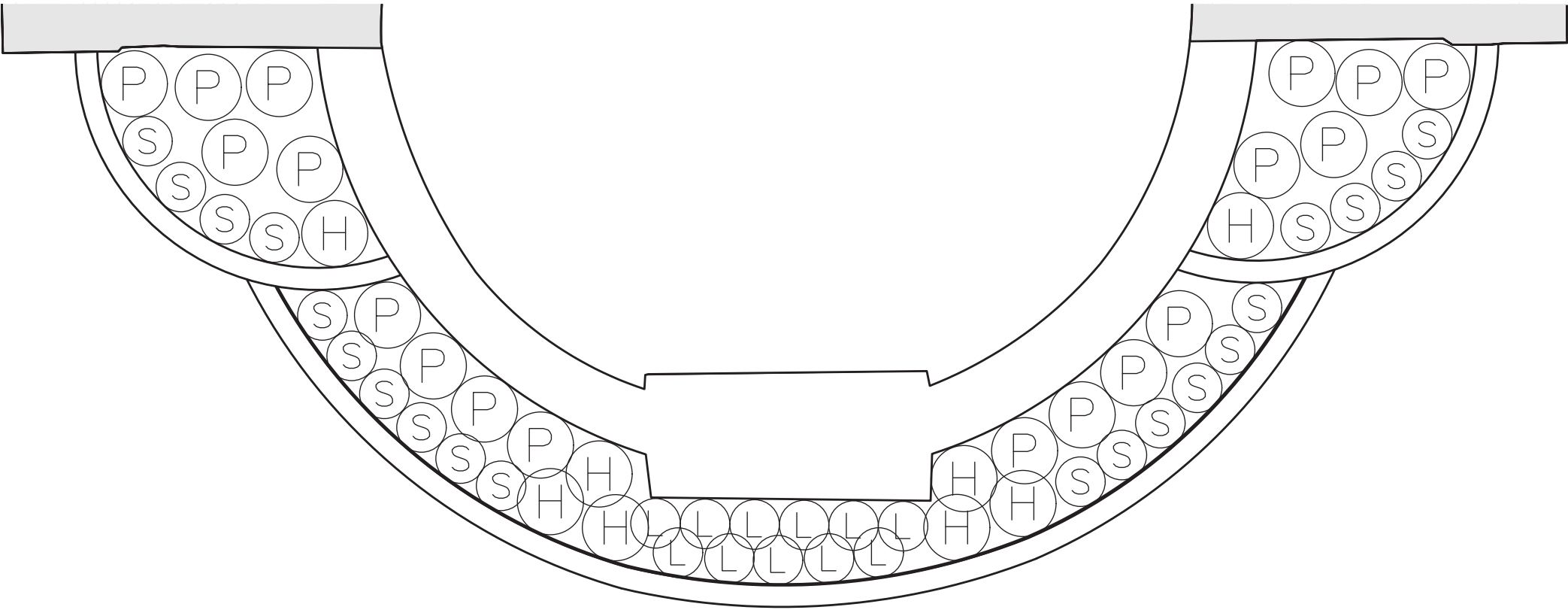






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SITE PLAN (pg. 09)





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PLANTING PLAN (pg. 10-11)



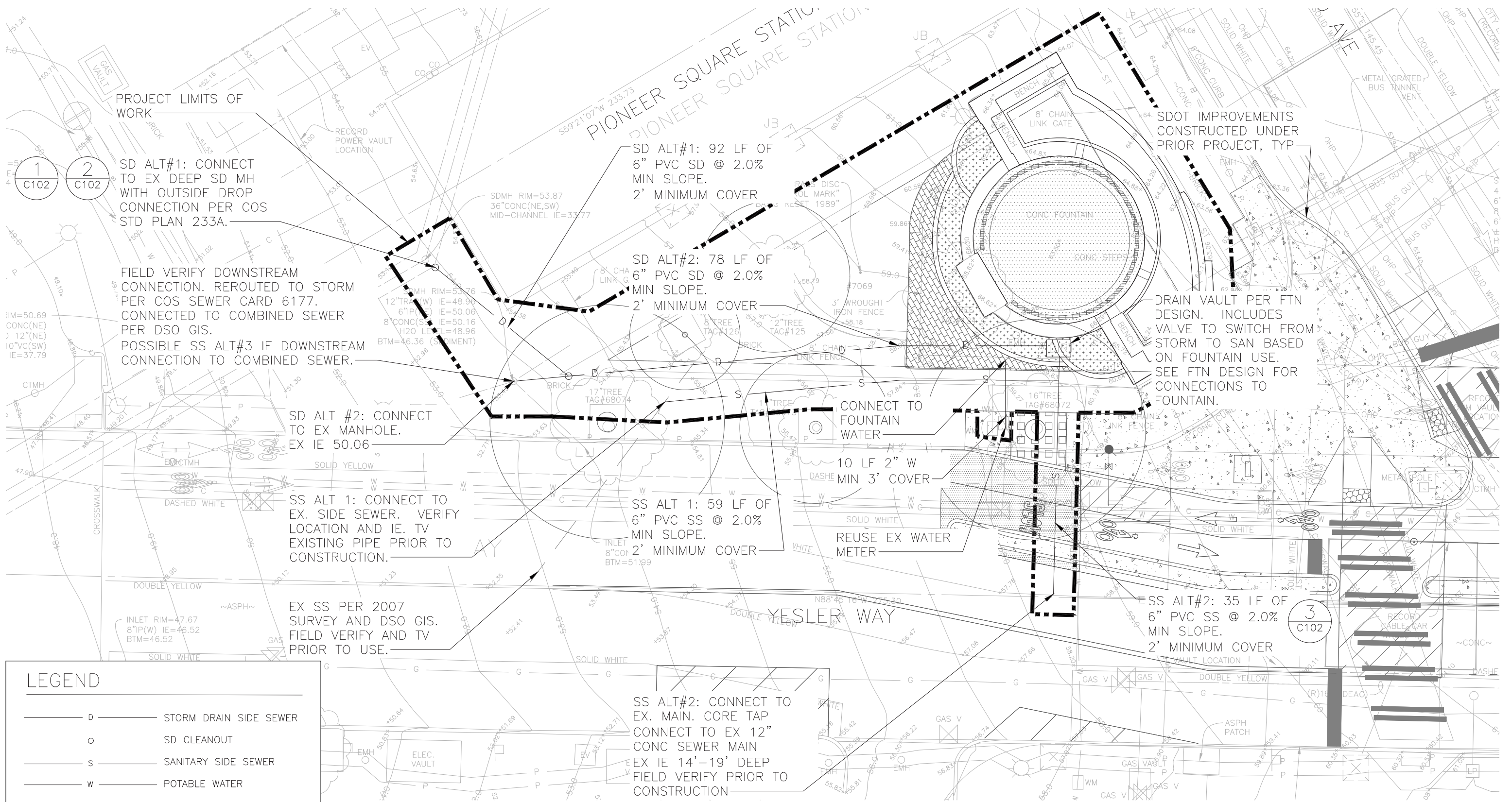
PLANTING SCHEDULE					
SYMBOL	SPECIES NAME	COMMON NAME	SIZE	SPACING	QTY
	HELLEBORUS 'PIPPA'S PURPLE'	PIPPA'S PURPLE HELLEBORE	1 GAL.	24" O.C.	8
	LIRIOPE MUSCARI 'BIG BLUE'	LILY TURF	6" POTS	18" O.C.	11
	POLYSTICHUM MUNITUM	WESTERN SWORD FERN	6" POTS	18" O.C.	18
	SARCOCOCCA HUMILIS 'FRAGRANT VALLEY'	FRAGRANT SWEET BOX	6" POTS	18" O.C.	20

01 PLANTING ENLARGEMENT  
SCALE: 3/8" = 1'-0"





## UTILITY CONNECTIONS (pg. 16-18)





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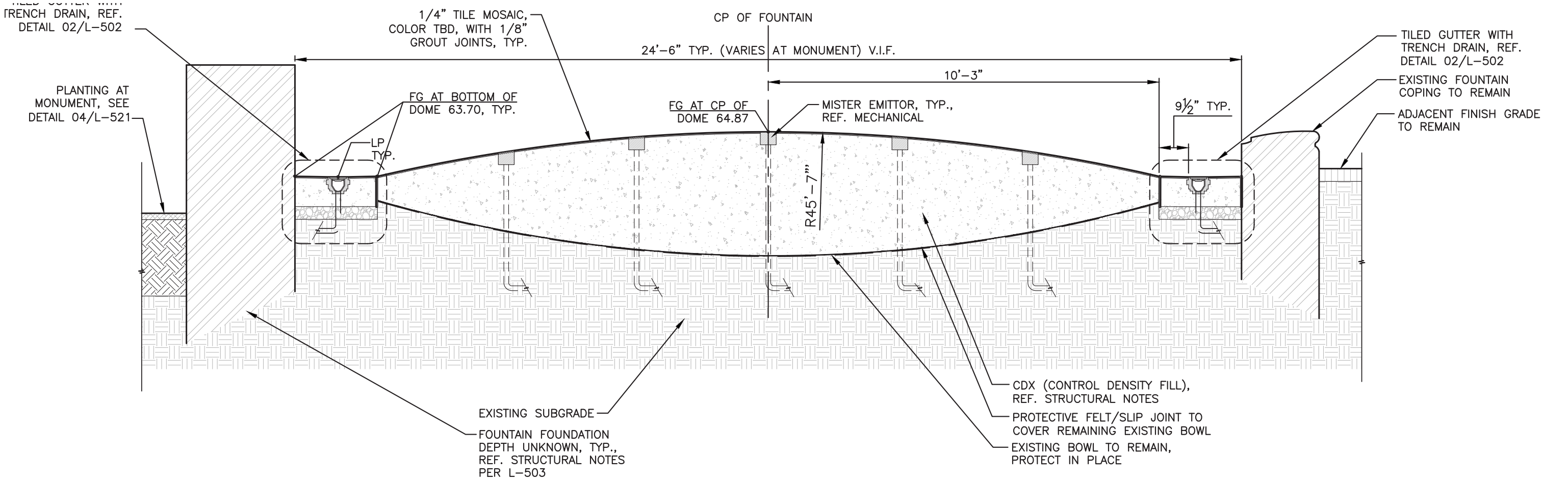
FOUNTAIN BOWL IMPROVEMENT DETAILS (pg. 13)

Detailing of the fountain bowl has been finalized into an inverted dome shape, improving safety concerns over the depth of the bowl. Connecting the dome to a tiled, perimeter gutter allows for more curvature, discouraging vagrant activity interaction and preventing water accumulation with an improved drainage capability.

Where the bowl is able to remain intact, it is proposed to be lined with a protective felt/slip joint, and then filled with a lightweight control density fill (CDX) that will sculpt the inverted dome rough shape, prior to tiling.



VIEW OF FOUNTAIN AREA ALONG 3RD AVE



01 FOUNTAIN BOWL – TYPICAL SECTION

1/2" = 1'-0"



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FOUNTAIN BOWL IMPROVEMENT DETAILS (pg. 13)

The perimeter of the fountain bowl proposes a curved trench train to optimize drainage and ease of maintenance. The gutter will contain a seamless tiled finish to each edge of the trench drain cover.

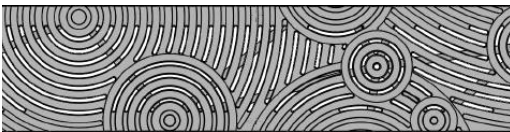
PROPOSED TRENCH DRAIN MATERIAL



BAKED-ON OIL FINISH

IRON AGE TRENCH DRAIN PATTERNS

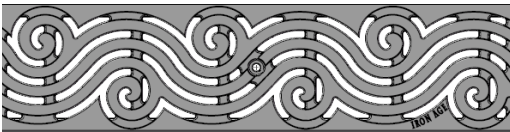
OPTION #1 (PREFERRED)



PATTERN NAME: OBLIO

A series of circular shapes echoes the project's established concept of water drops rippling outward.

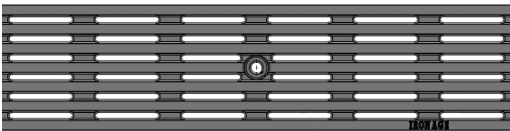
OPTION #2



PATTERN NAME: ARGO

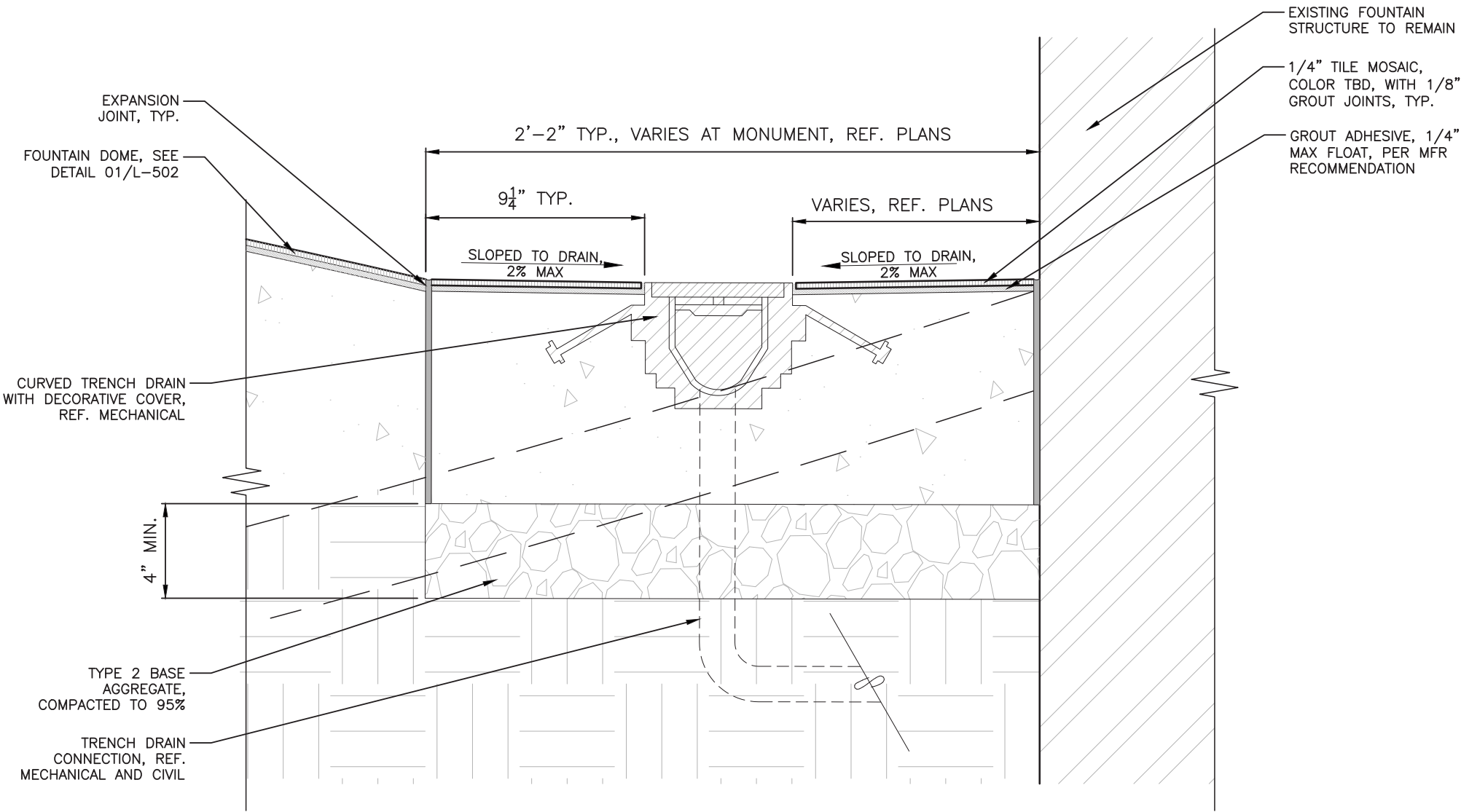
A flowing sequence of curves emulates the rhythm and movement of water.

OPTION #3



PATTERN NAME: QUE

Simple, parallel lines creating a continuous linear form that emphasizes the layout's circular direction.



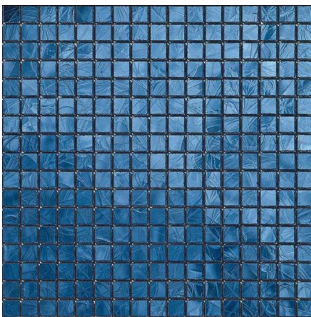
- NOTES:
- 1. SUBMERSIBLE MOSAIC TILE COLOR AND TYPE TBD, MANUFACTURER: DALTILE. CONTRACTOR TO PROVIDE SAMPLE TO LANDSCAPE ARCHITECT.
  - 2. CLEARFACE MOUNTING SYSTEM AND ADHESIVE PER MANUFACTURER'S RECOMMENDATIONS
  - 3. ALL GROUT JOINTS TO BE 1/8" UNLESS OTHERWISE NOTED.

02 FOUNTAIN BOWL – GUTTER ENLARGEMENT  
3" = 1'-0"



DALTILE 'CITYLIGHTS' SERIES

OPTION #1



**COLOR:** ASTRID - COLIBRI  
**CHIP SIZE:** 5/8"  
**SHAPE:** SQUARE MOSAIC  
**MATERIAL:** GLASS

Notes:  
- Color as close to existing tile with options found for submersible grade tile.

DALTILE 'PEBBLE OASIS' SERIES

OPTION #2

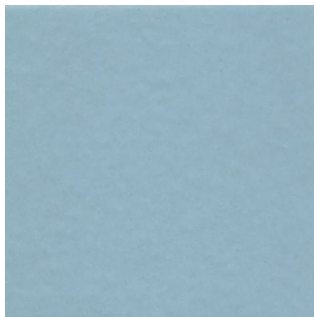


**COLOR:** COASTAL  
**CHIP SIZE:** VARIES, 3" MAX.  
**SHAPE:** ORGANIC MOSAIC  
**MATERIAL:** NATURAL STONE

Notes:  
- Natural stone provides the most durability of the options shown.  
- Organic form allows for easy accommodation of the material on the proposed dome curvature.

DALTILE 'KEYSTONES' SERIES

OPTION #3A



**COLOR:** WATERFALL  
**MATERIAL:** COLORBODY PORCELAIN

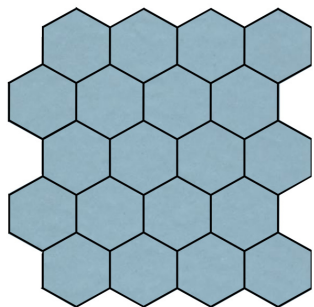
Notes:  
- Colorbody Porcelain contains color throughout the entire tile body, which would help disguise chips.

SHAPE OPTIONS



**CHIP SIZE:** 1"  
**SHAPE:** SQUARE MOSAIC

Notes:  
- Chip size at 1" max for square shape to accommodate proposed dome curvature.



**CHIP SIZE:** 2"  
**SHAPE:** HEXAGON MOSAIC

Notes:  
- Hexagon allows for larger chip size more proportional with the overall scale of the fountain.

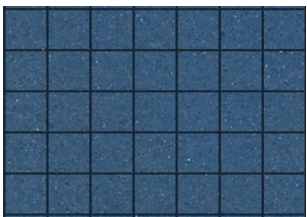
OPTION #3B (PREFERRED)



**COLOR:** GALAXY  
**MATERIAL:** COLORBODY PORCELAIN

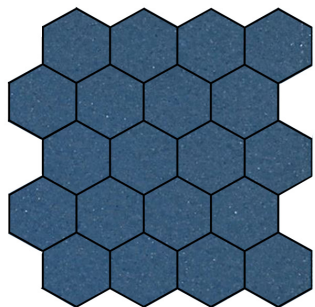
Notes:  
- Colorbody Porcelain contains color throughout the entire tile body, which would help disguise chips.

SHAPE OPTIONS



**CHIP SIZE:** 1"  
**SHAPE:** SQUARE MOSAIC

Notes:  
- Chip size at 1" max for square shape to accommodate proposed dome curvature.



**CHIP SIZE:** 2"  
**SHAPE:** HEXAGON MOSAIC

Notes:  
- Hexagon allows for larger chip size more proportional with the overall scale of the fountain.

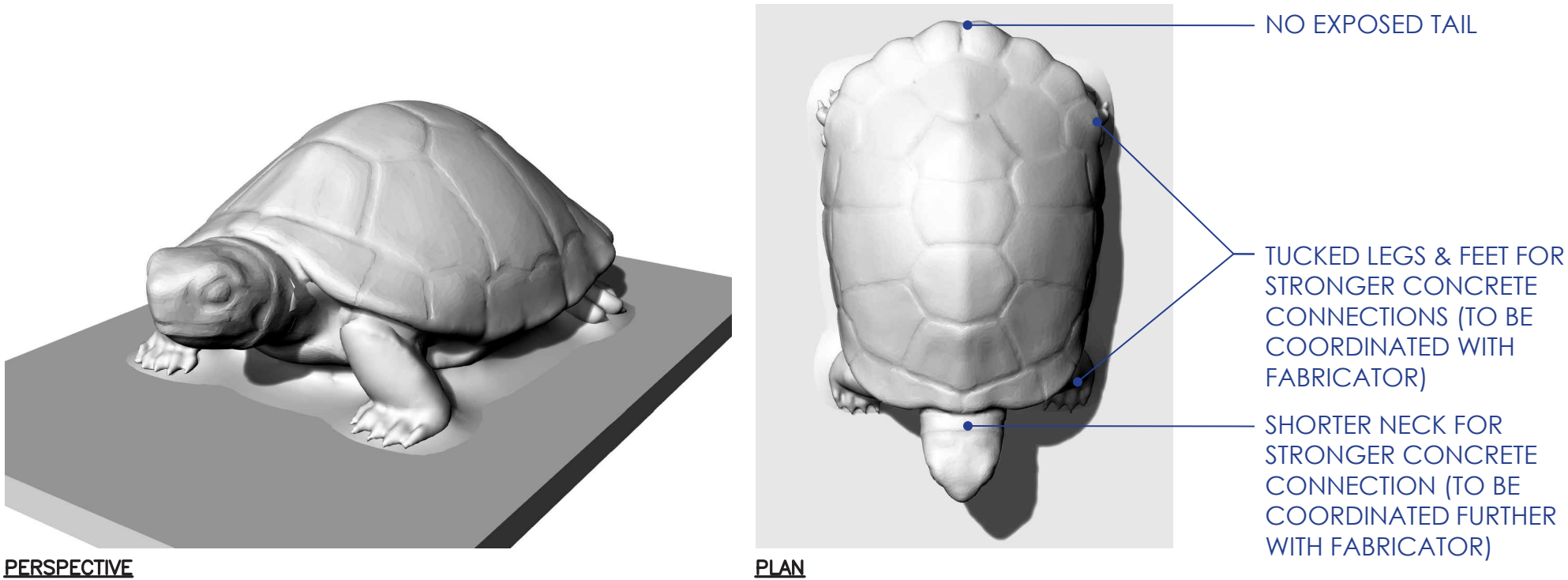


TURTLE REPLACEMENT (pg. 13)

Coordination is underway to create the turtle sculptures that will be located where the existing turtles are to be salvaged and returned to the original donor.

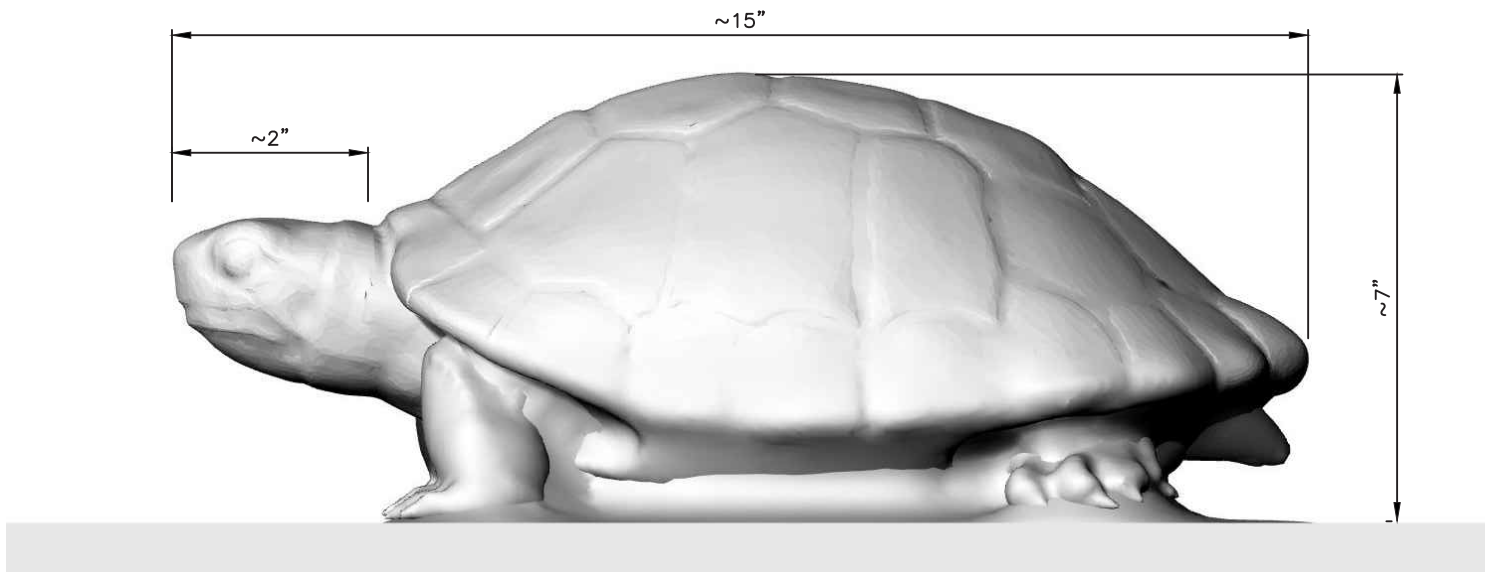
These high level renderings show the form the new turtles are taking, with fabrication constraints in mind. The turtles form is intended to emulate the Pacific Northwest’s native pond turtle.

The pieces will be fabricated from fiber reinforced high strength precast concrete, color-matched to the existing fountain’s precast stone color as close as possible for seamless integration. Further modifications to ensure detail and constructibility will continue to evolve as the design team progresses with development of these elements.



PERSPECTIVE

PLAN



ELEVATION

NOTES:

1. IMAGES AND DIMENSIONS SHOWN FOR REFERENCE ONLY. FINAL CONCEPT AND SIZE TO BE CONFIRMED WITH LANDSCAPE ARCHITECT PRIOR TO FABRICATION.
2. CONTRACTOR TO COORDINATE FABRICATION AND INSTALL OF NEW TURTLE ELEMENTS WITH FABRICATOR.
3. TURTLES TO BE FIBER REINFORCED CONCRETE, PER FABRICATOR RECOMMENDATION. TURTLES TO MATCH EXISTING CAST STONE COLOR OF FOUNTAIN STRUCTURE TO REMAIN. CONTRACTOR TO COORDINATE SAMPLES TO BE CONFIRMED WITH THE LANDSCAPE ARCHITECT.

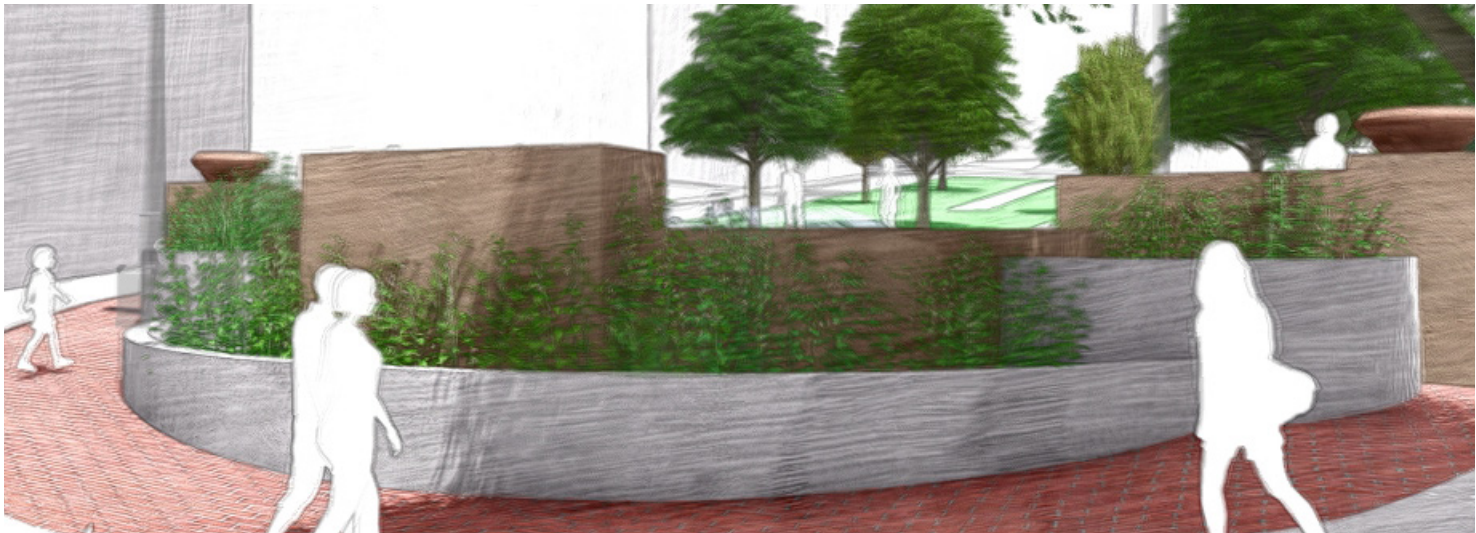


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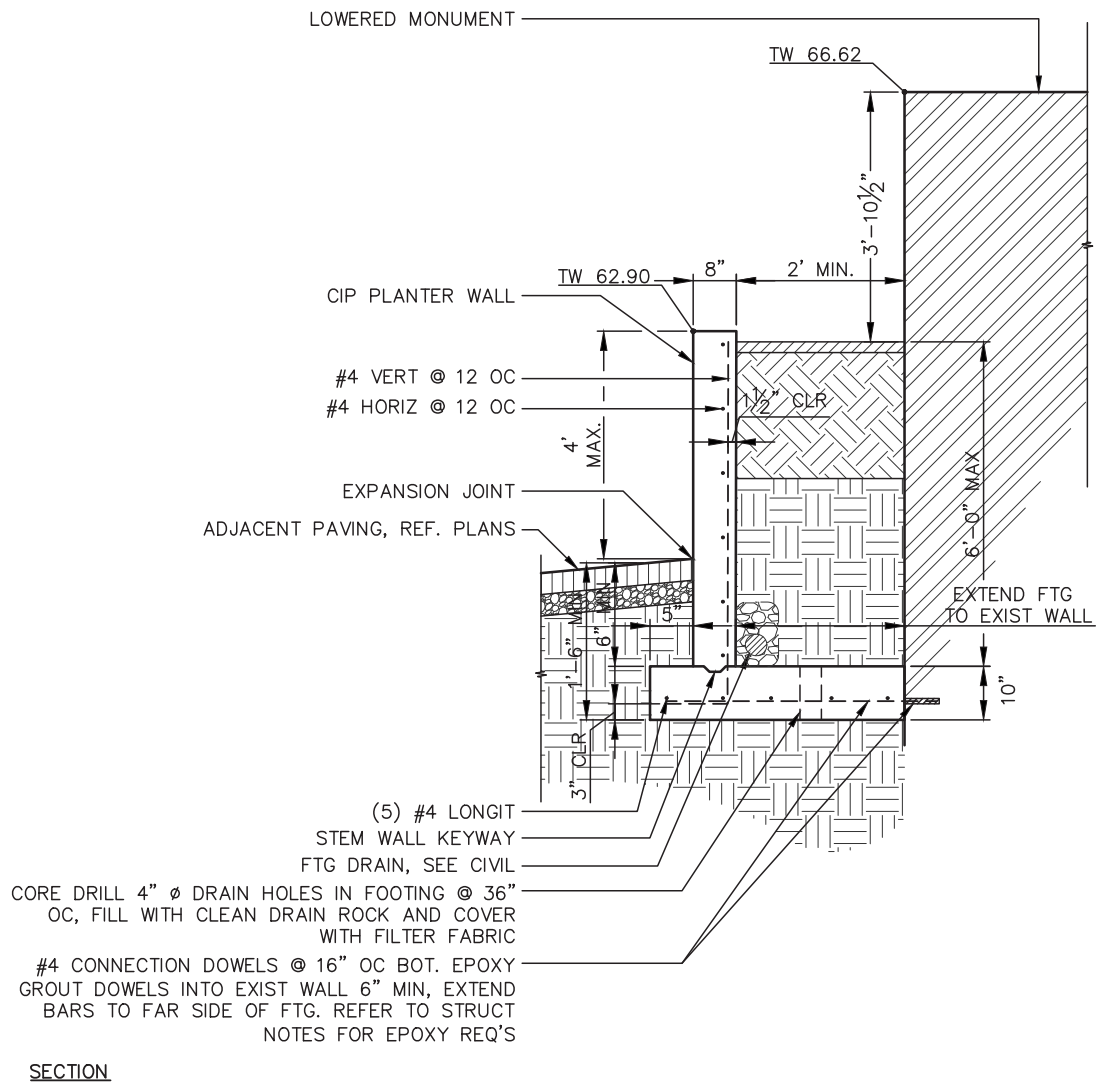
WALL DETAILS (pg. 14)

The planter walls proposed will require careful excavation to ensure there is no risk to compromising the existing fountain structure during construction.

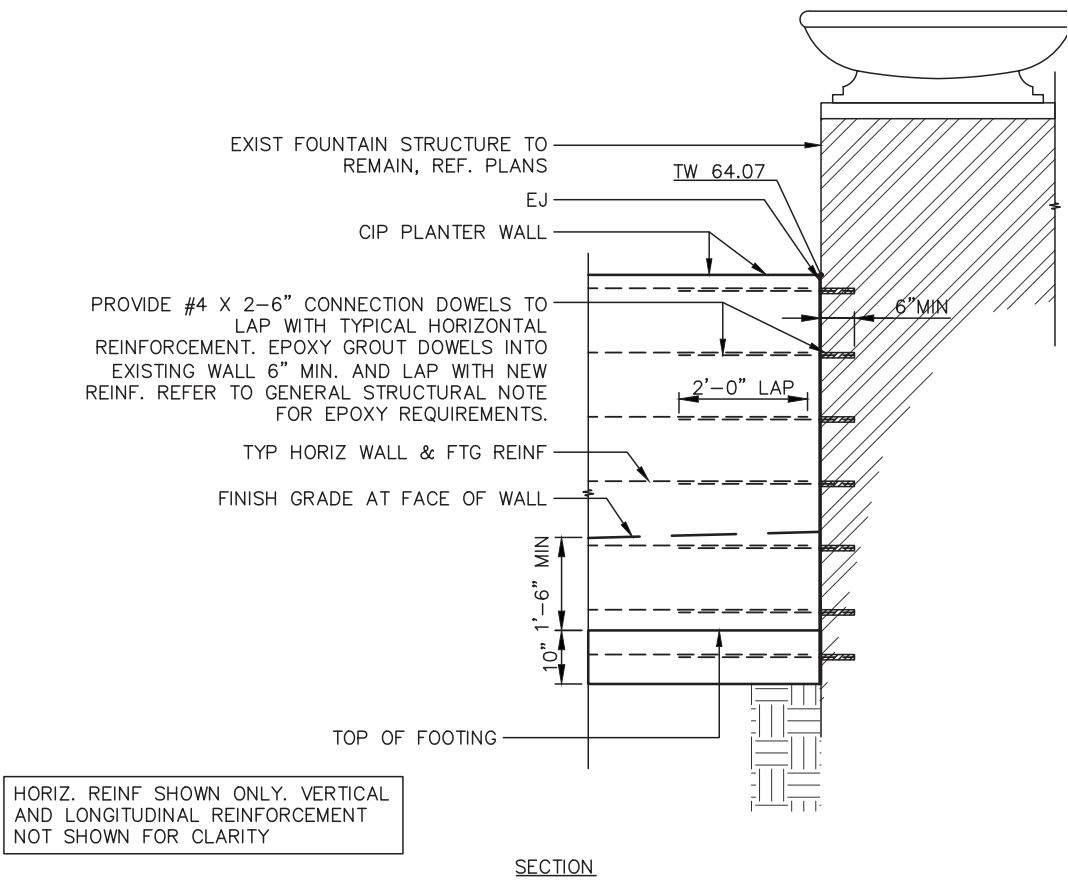
The details shown here are representing the walls that will come near or into contact with the existing fountain structure. Pinning will be required for the upper tier walls to establish a structural connection. The lower tier planter wall footing will require field investigation to confirm how deep the existing monument structure foundation goes. If the footing comes into conflict, pinning will be required.



VIEW OF PROPOSED BACK OF FOUNTAIN PLANTER WALLS FROM YESLER



02 LOWER TIER CIP WALL AT MONUMENT  
SCALE: 1/2" = 1'-0"



04 CIP WALL CONNECTION AT EXISTING STRUCTURE  
SCALE: 1/2" = 1'-0"



60% DESIGN DOCUMENTATION

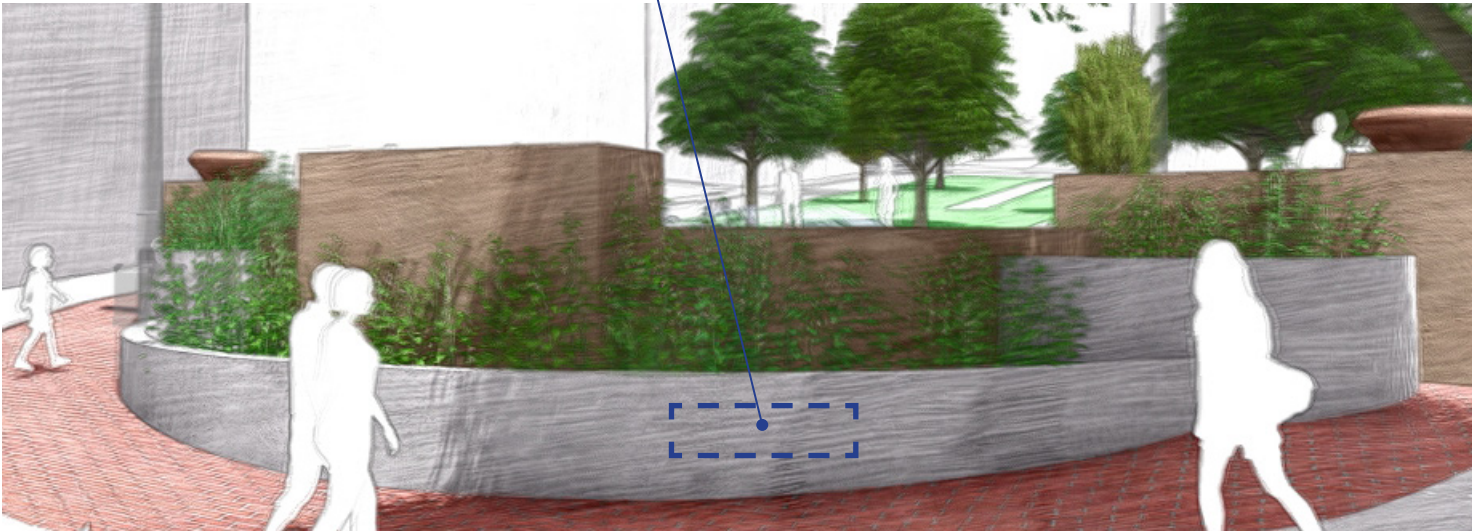
MECHANICAL IMPROVEMENTS (pg. 19-24)

Mechanical improvements to the fountain include a new assembly of piping that will direct water flow to (17) misting water emitters on the surface of the proposed tiled dome. Each mister will be individually controlled by manual valves in a manifold assembly, mounted in a locked cabinet in the new concrete walls. This assembly will also include a hose bib connection for maintenance operations in and around the planters.

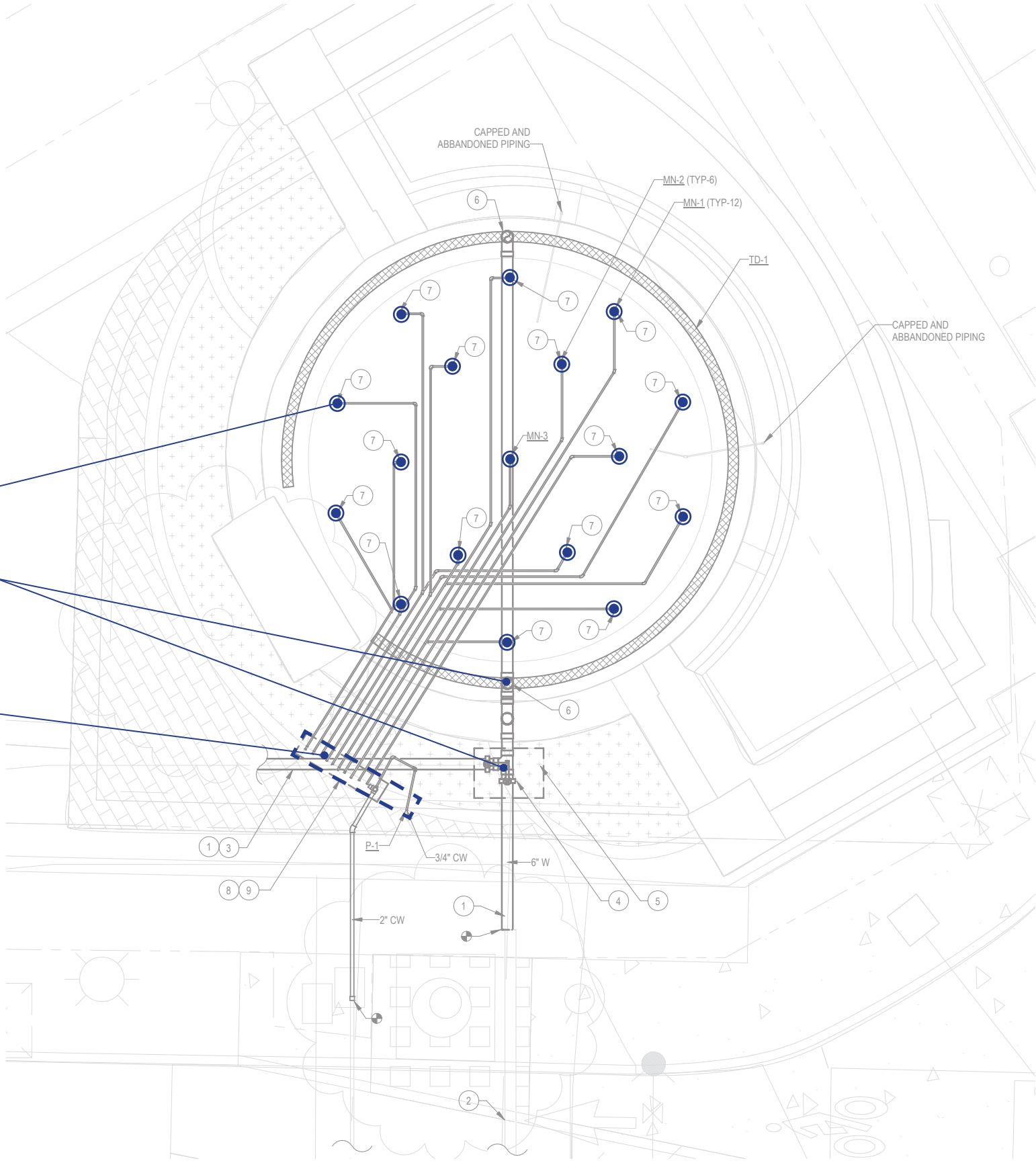
MISTERS LOCATED WITHIN  
INVERTED DOME, TYP.

TRENCH DRAIN  
CONNECTION TO SANITARY  
SEWER AND STORM SYSTEMS

MECHANICAL VALVE ASSEMBLY  
AND HOSE BIB TO BE MOUNTED IN  
A CABINET INSET INTO PROPOSED  
LOWER TIER CONCRETE  
WALL (LOCATION SHOWN  
CONCEPTUALLY BELOW)



VIEW OF PROPOSED BACK OF FOUNTAIN PLANTER WALLS FROM YESLER





CONSTRUCTION SEQUENCING  
PHASE 1 IMPROVEMENTS

SECONDARY PHASE OF CONSTRUCTION  
(AFTER SITE OBSERVATION):

- STRATEGIC LOWERING OF FOUNTAIN WALLS AND MONUMENT
- NEW BACK OF FOUNTAIN TIERED PLANTER WALLS

INITIAL PHASE OF CONSTRUCTION:

- FOUNTAIN STRUCTURE TUCK-POINTING REPAIRS
- NEW MECHANICAL EQUIPMENT
- NEW FOUNTAIN BOWL DOME, GUTTER WITH TRENCH DRAIN, & TILE
- TURTLE REPLACEMENTS

