

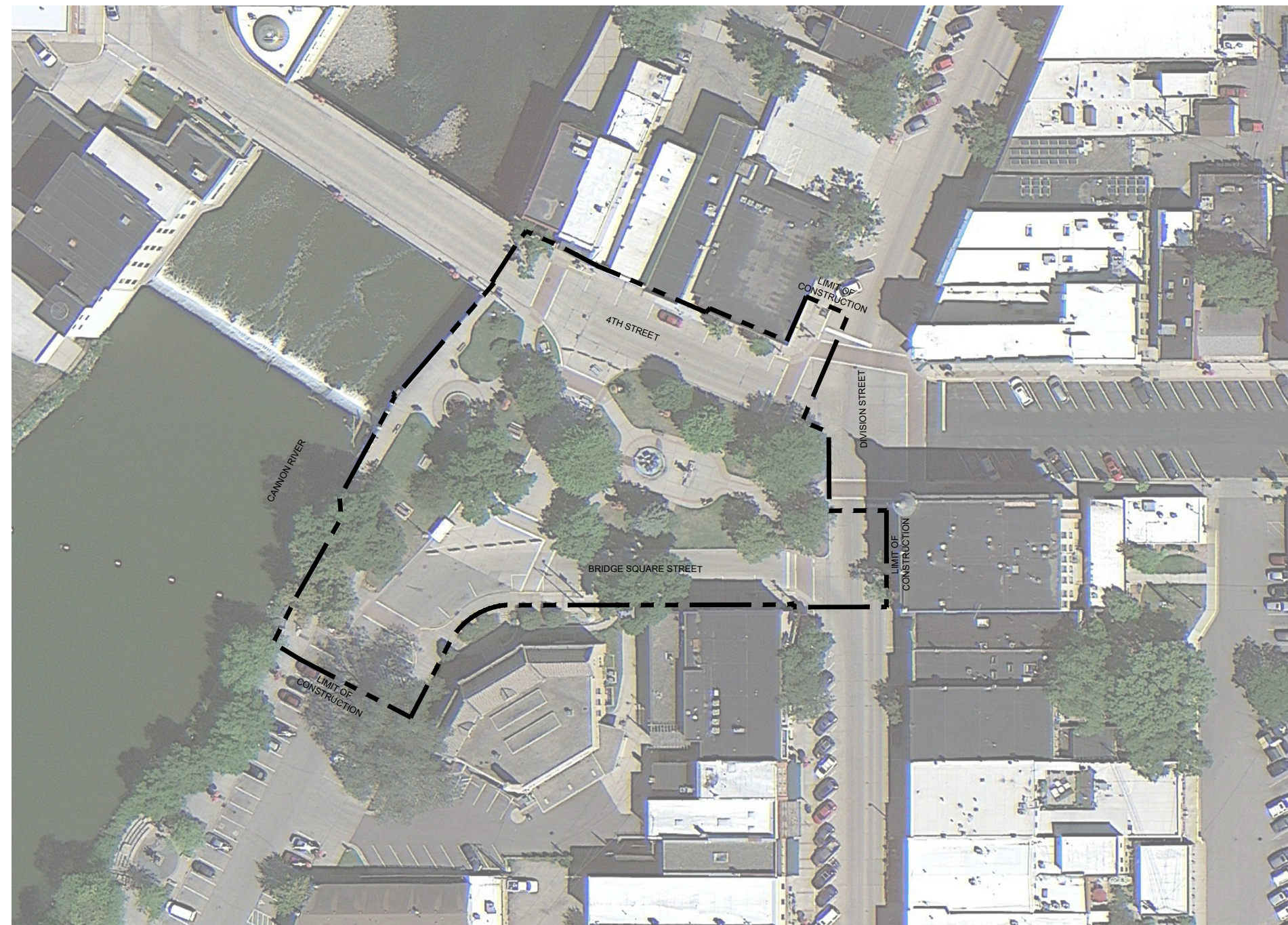
NORTHFIELD BRIDGE SQUARE

RIVERFRONT & SQUARE IMPROVEMENTS

12 BRIDGE SQUARE
NORTHFIELD, MN 55057

PROJECT # 22-184

CONTEXT MAP



PROPOSED DESIGN



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E200	ELECTRICAL DETAILS
LIGHTING	
AL100	--
AL101	--

PROJECT DIRECTORY

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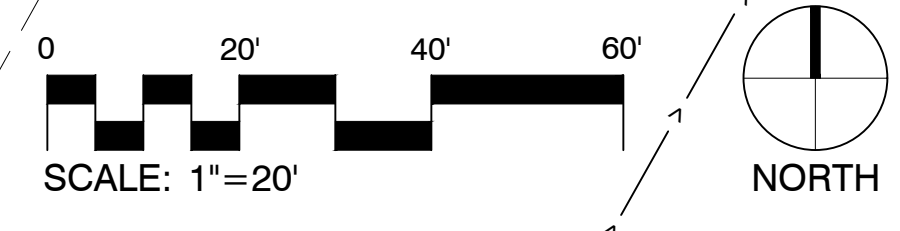
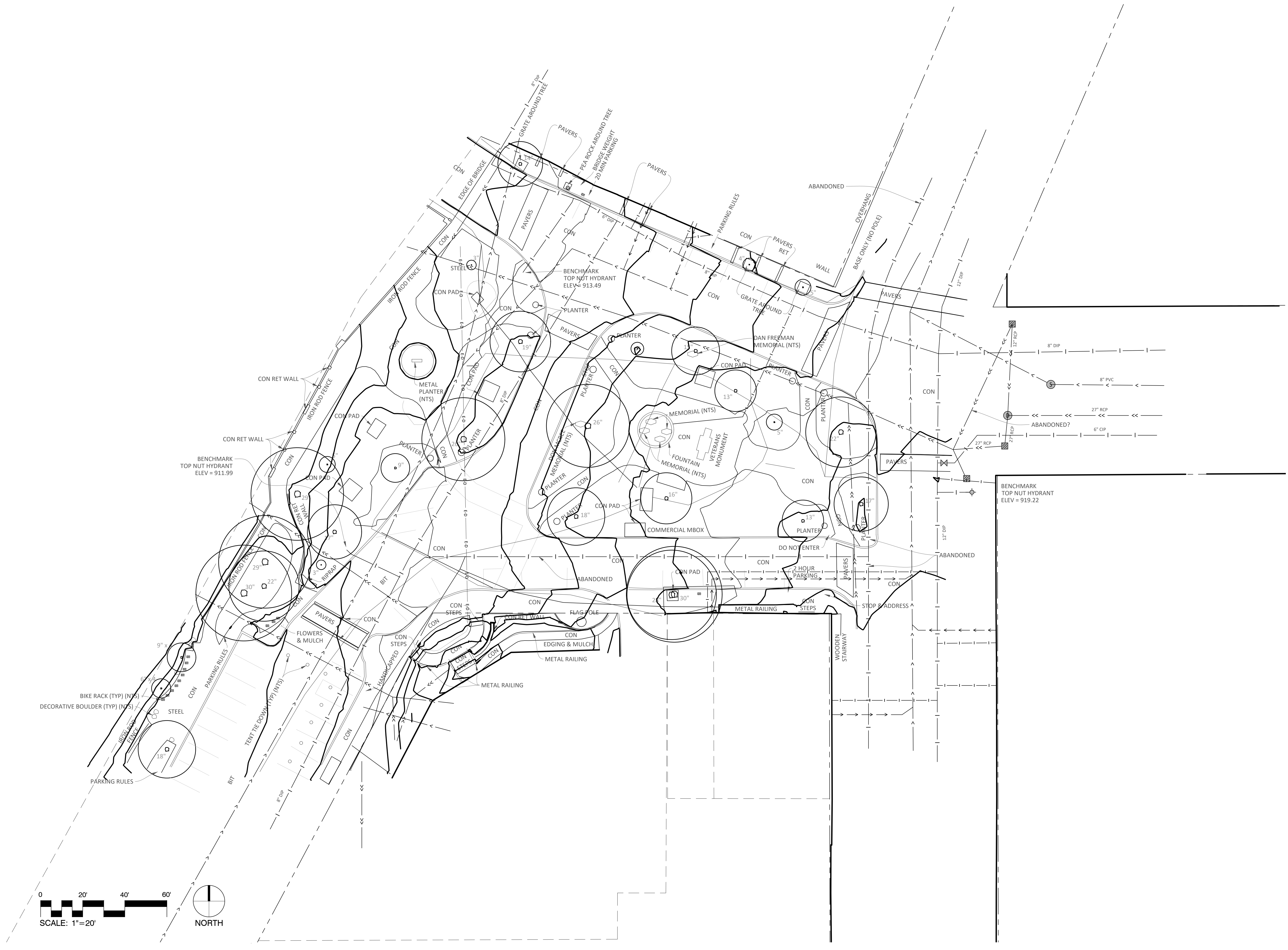
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COVER &
SHEET INDEX

G000



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BRIDGE
SQUARE**
NORTHFIELD, MN

I hereby certify that this document was prepared by me or under my direct supervision and that I am a duly licensed Landscape Architect under the laws of the State of Minnesota.

Name Tom Whitlock
Registration# 26292

Signature _____ Date 09/26/2023

DF/ Project # 22-184

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REVISION	

**EXISTING
CONDITIONS
PLAN**

G001

**NOT FOR
CONSTRUCTION**

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REMOVALS PLAN

C0.01

LEGEND

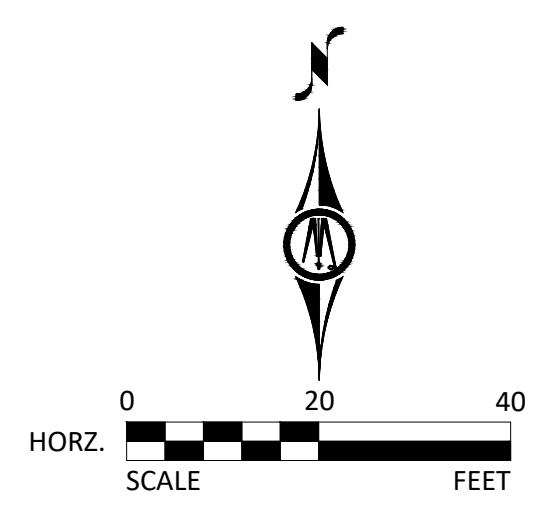
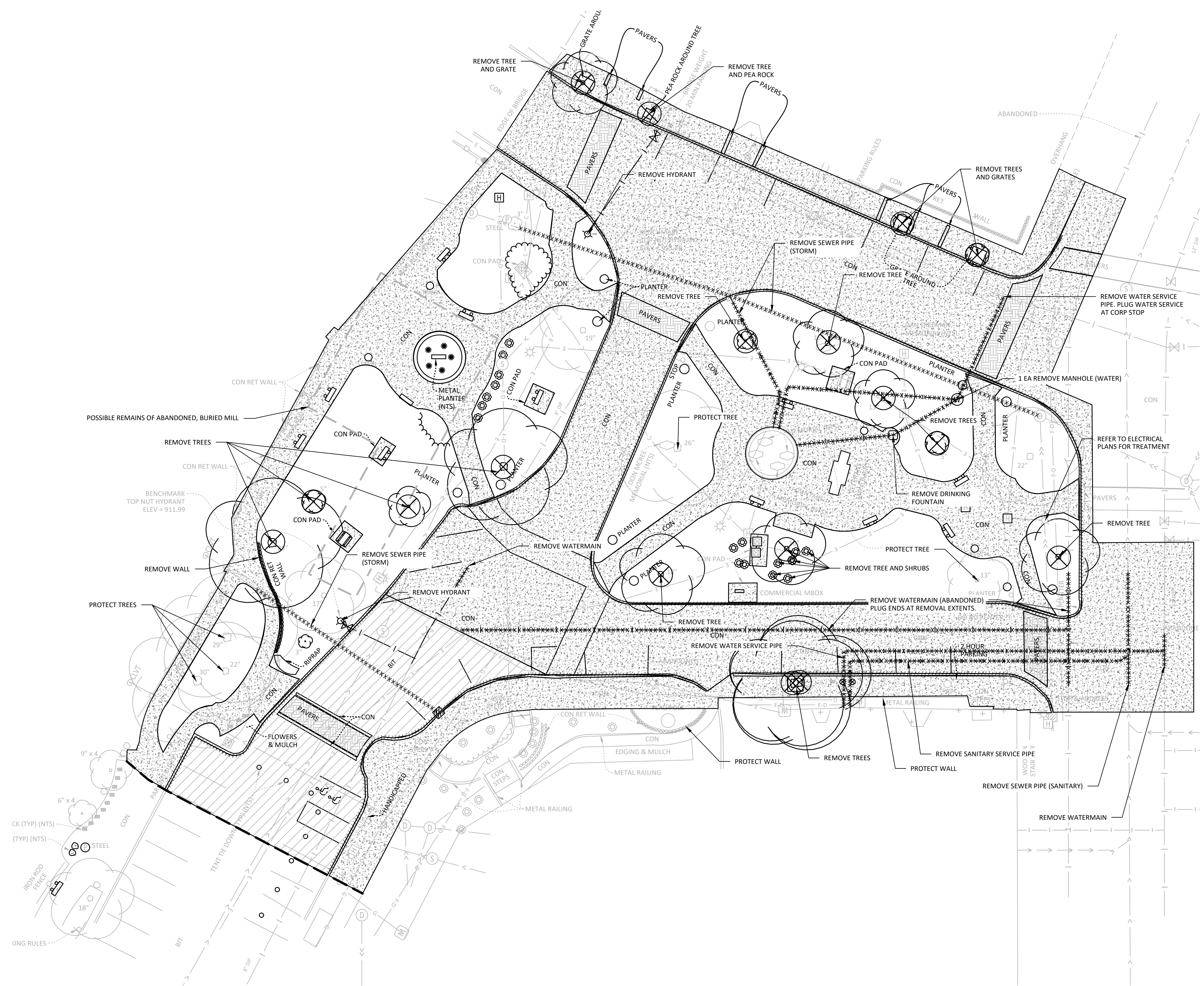
-----	CONCRETE CURB AND GUTTER REMOVALS
x x x x x x x x x x x x x x x	UNDERGROUND UTILITY REMOVALS
[Pattern]	CONCRETE PAVEMENT REMOVALS
[Pattern]	ASPHALT PAVEMENT REMOVALS
[Pattern]	PAVER REMOVALS
- - - - -	FENCING REMOVALS
- x x x x x x x x x x x x x x x -	RETAINING WALL REMOVALS
- - - - -	SAWCUT
(X)	TREE REMOVAL
(R1)	REMOVALS KEYNOTE
(P1)	PROTECTION KEY NOTE
---	PROPERTY LINE

NOTES

- REFER TO SHEET C3.01, GRADING AN DRAINAGE PLAN, FOR GENERAL NOTES.
- MINIMIZE DISTURBANCE TO SITE AND PROTECT EXISTING VEGETATION AND SITE FEATURES (CURBS, WALKS, PAVEMENTS, OVERHEAD AND UNDERGROUND UTILITIES, SIGNAGE, FENCING, ROADWAYS, ETC.) WHICH ARE TO REMAIN.
- REPAIR OR REPLACE EXISTING PROPERTY AND SITE FEATURES, INCLUDING GRASS AND VEGETATION, WHICH IS TO REMAIN THAT IS DAMAGED BY THE WORK, TO THE OWNER'S SATISFACTION AND AT NO ADDITIONAL COST TO THE OWNER.
- VISIT THE SITE PRIOR TO BIDDING. BE FAMILIAR WITH ACTUAL CONDITIONS IN THE FIELD. EXTRA COMPENSATION WILL NOT BE ALLOWED FOR CONDITIONS WHICH COULD HAVE BEEN DETERMINED OR ANTICIPATED BY EXAMINATION OF THE SITE, THE CONTRACT DRAWINGS AND THE INFORMATION AVAILABLE PERTAINING TO EXISTING SOILS, UTILITIES AND OTHER SITE CHARACTERISTICS.
- HIRE THE SERVICES OF A UTILITY LOCATOR COMPANY TO LOCATE ALL PRIVATELY OWNED UTILITIES THAT MAY BE DISTURBED BY CONSTRUCTION OPERATIONS.
- MAINTAIN DRAINAGE FROM EXISTING BUILDING AT ALL TIMES. PROVIDE TEMPORARY STORM SEWER, INCLUDING, BUT NOT LIMITED TO, CATCH BASINS, MANHOLES, PIPING, AND SIMILAR. DO NOT REMOVE EXISTING STORM SEWER UNTIL TEMPORARY OR PERMANENT STORM SEWER IS INSTALLED AND FUNCTIONAL. COORDINATE ALL REMOVALS WITH APPROPRIATE TRADES (SITE UTILITY CONTRACTOR, MECHANICAL CONTRACTOR, ETC.) AS REQUIRED.

KEY NOTE LEGEND

(R1)	REMOVE CONCRETE PAVEMENT TO NEAREST JOINT	(P1)	SAWCUT
(R2)	REMOVE CONCRETE CURB AND GUTTER / VALLEY GUTTER	(P2)	PROTECT CONCRETE PAVEMENT
(R3)	REMOVE ASPHALT PAVEMENT	(P3)	PROTECT CONCRETE CURB AND GUTTER / VALLEY GUTTER
(R4)	REMOVE PAVERS	(P4)	PROTECT ASPHALT PAVEMENT
(R5)	REMOVE FENCING (INCLUDING FOOTINGS AND GATES)	(P5)	PROTECT FENCING (INCLUDING FOOTINGS AND GATES)
(R6)	REMOVE TRAFFIC CONTROL SIGN AND POST	(P6)	PROTECT TRAFFIC CONTROL SIGN AND POST
(R7)	REMOVE WATER FOUNTAIN	(P7)	PROTECT BOLLARD AND FOOTING
(R8)	REMOVE RETAINING WALL	(P8)	PROTECT RETAINING WALL
(R9)	REMOVE STORM SEWER	(P9)	PROTECT STORM SEWER
(R10)	REMOVE STORM SEWER STRUCTURE	(P10)	PROTECT STORM SEWER STRUCTURE
(R11)	REMOVE SANITARY SEWER/SERVICE	(P11)	PROTECT SANITARY SEWER/SERVICE
(R12)	REMOVE SANITARY SEWER STRUCTURE	(P12)	PROTECT SANITARY SEWER STRUCTURE
(R13)	REMOVE WATERMAIN/SERVICE	(P13)	PROTECT WATERMAIN/SERVICE
(R14)	REMOVE HYDRANT	(P14)	PROTECT HYDRANT
(R15)	REMOVE GATE VALVE	(P15)	PROTECT GATE VALVE
(R16)	REMOVE TREE (INCLUDING STUMPS AND GRATES)	(P16)	PROTECT TREE
(R17)	REMOVE LANDSCAPING (MULCH, SHRUBS, ETC.)	(P17)	PROTECT LANDSCAPING (MULCH, SHRUBS, ETC.)
(R18)	REMOVE MISCELLANEOUS (BENCH, TRASH BINS, TABLE, PLANTERS)	(P18)	PROTECT MISCELLANEOUS (BENCH, TRASH BINS, TABLE, PLANTERS)
		(P19)	PROTECT MONUMENT SIGN AND WATER FEATURE/FOUNTAIN
		(X1)	REFER TO UTILITY PLAN FOR TREATMENT
		(X2)	REFER TO ELECTRICAL PLANS FOR TREATMENT
		(X3)	REFER TO ARCHITECTURAL PLANS FOR TREATMENT



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REVISION	

**GEOMETRICS
PLAN**

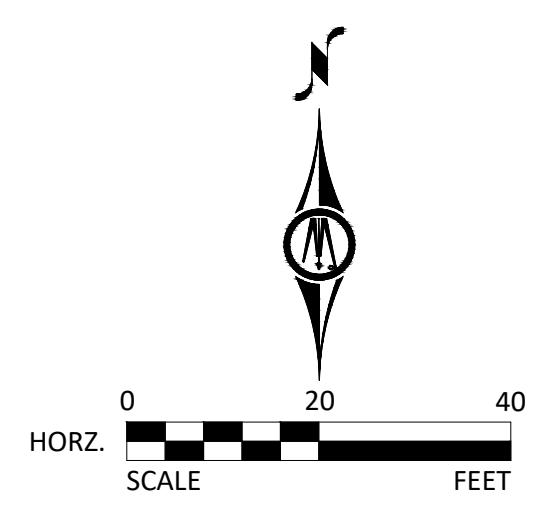
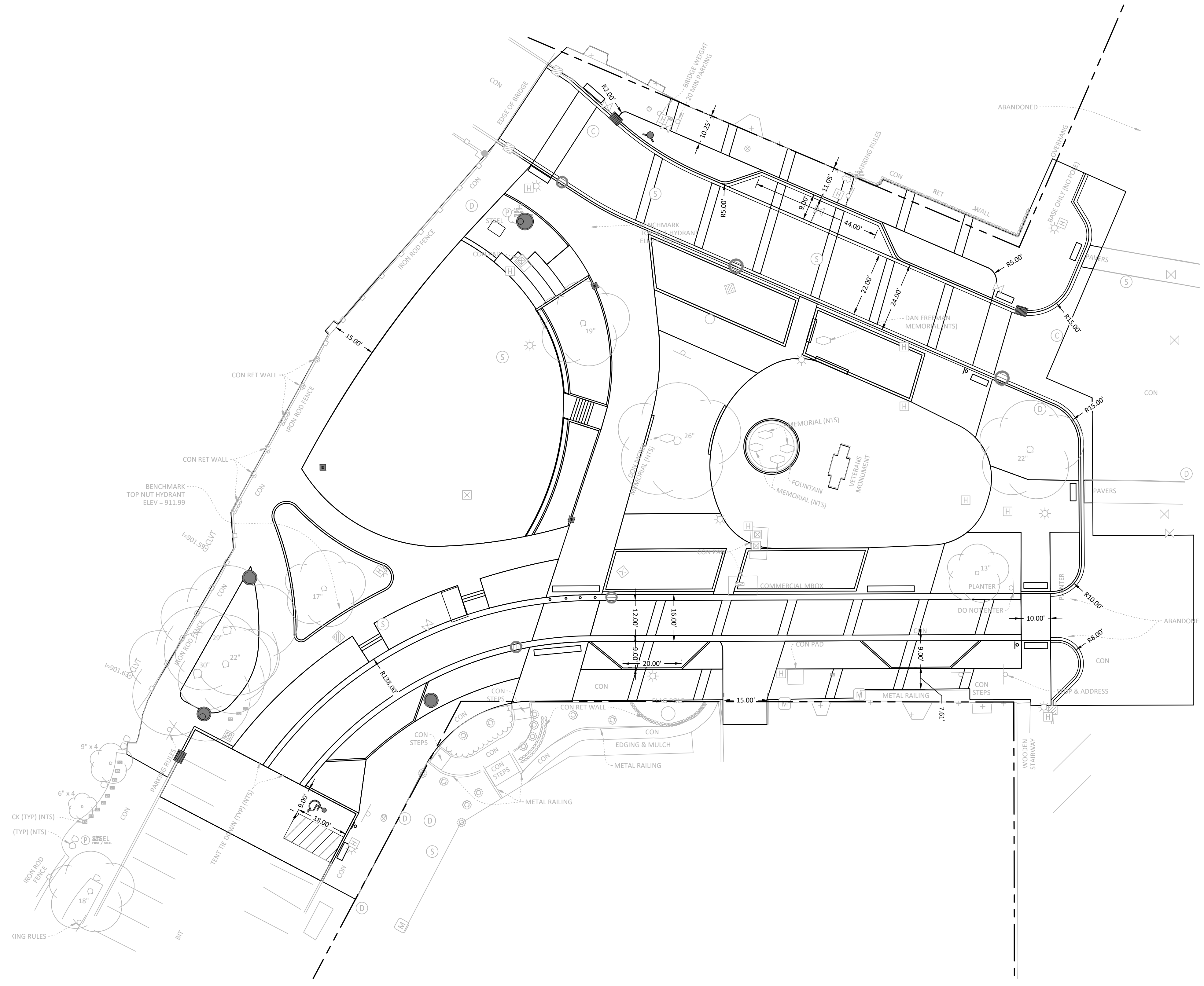
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CONSTRUCTION**

C1.01

LEGEND

	BASELINE FOR DIMENSIONS
	POINT OF INTERSECTION
	POINT OF CURVATURE
	POINT OF TANGENCY
	POINT OF COMPOUND CURVATURE
	PROPERTY LINE

- NOTES**
- REFER TO SHEET C3.01, GRADING AND DRAINAGE PLAN, FOR GENERAL NOTES.
 - ALL APPLICABLE DIMENSIONS ARE TO FACE OF CURB, EDGE OF PAVEMENT, CENTERLINE OF FENCE, OR PROPERTY LINE UNLESS OTHERWISE NOTED.
 - CHECK ALL PLAN AND DETAIL DIMENSIONS AND VERIFY SAME BEFORE FIELD LAYOUT.
 - SIGNAGE SHALL BE INSTALLED 18" BEHIND THE BACK OF CURB OR EDGE OF PAVEMENT.



LEGEND

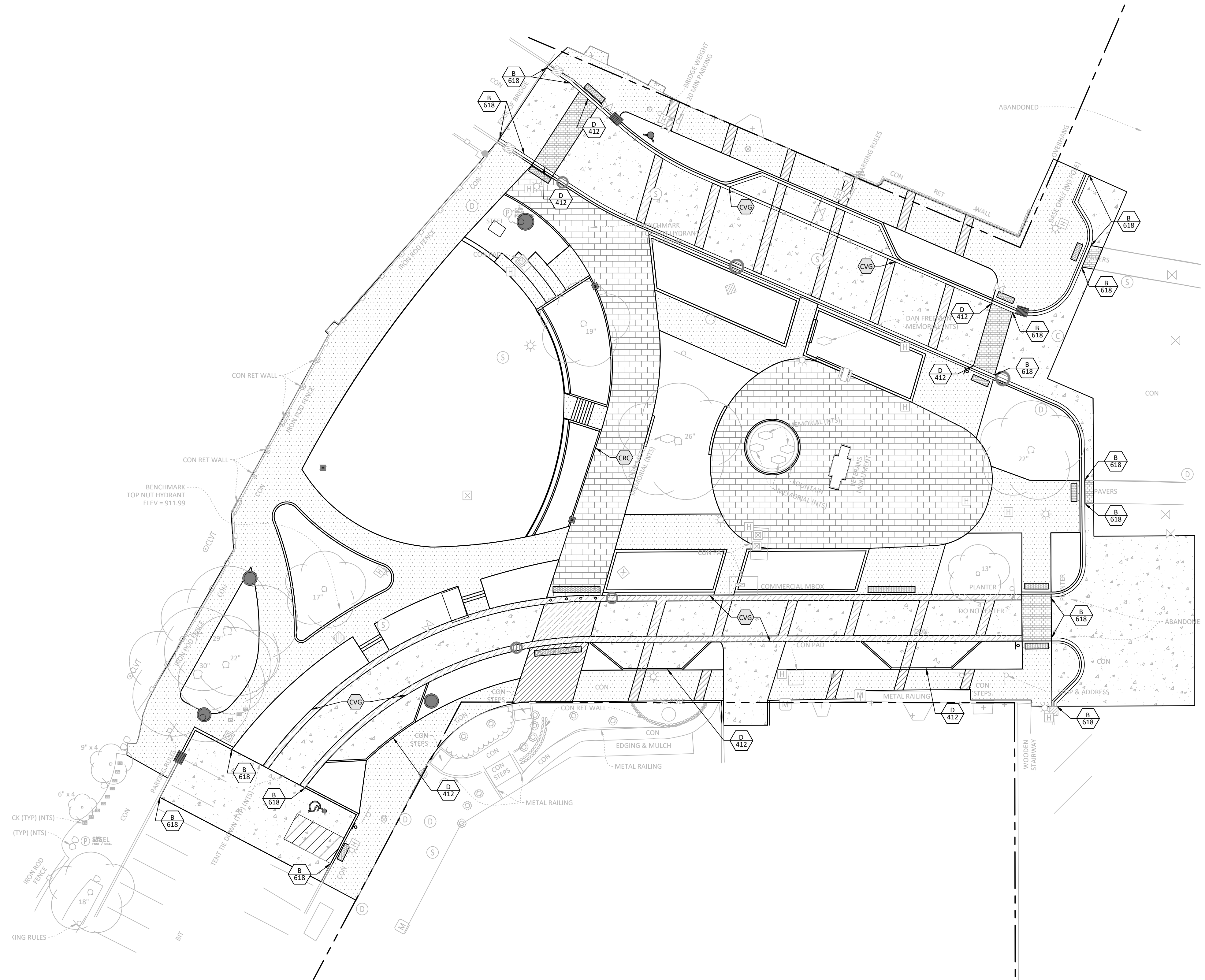
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	HEAVY DUTY CONCRETE PAVEMENT
	HEAVY DUTY DECORATIVE CONCRETE PAVEMENT
	CONCRETE SIDEWALK
	DECORATIVE CONCRETE SIDEWALK
	CROSSWALK PAVERS
	PROPOSED P-02A - REFER TO LANDSCAPE DETAILS
	PROPOSED PLANTER WALL - REFER TO LANDSCAPE DETAILS
	PROPOSED TRAFFIC CONTROL SIGN
	SIGNAGE KEY NOTE
	PROPOSED BOLLARD
	PROPOSED ACCESSIBLE SYMBOL
	PROPOSED MANHOLE (MH)
	PROPOSED CATCH BASIN (CB)
	PROPOSED HYDRANT (HYD)
	PROPOSED GATE VALVE (GV)
	PROPOSED LIGHT POLE - REFER TO ELECTRICAL PLANS
	PROPERTY LINE

NOTES

1. REFER TO SHEET C3.01, GRADING AND DRAINAGE PLAN, FOR GENERAL NOTES.
2. CHECK ALL PLAN AND DETAIL DIMENSIONS AND VERIFY SAME BEFORE FIELD LAYOUT.
3. INSTALL TRAFFIC CONTROL SIGNS APPROXIMATELY 18 INCHES BEHIND BACK OF CURB.
4. ALL DISTURBED AREAS OUTSIDE THE BUILDING PAD, WHICH ARE NOT DESIGNATED TO BE PAVED OR RECEIVE AGLIME, SHALL RECEIVE AT LEAST 6" OF TOPSOIL.

CURBING KEY NOTES

- B-618 CURB AND GUTTER - 6" STANDARD CURB
- D-412 CURB AND GUTTER - 4" SURMOUNTABLE CURB
- CONCRETE VALLEY GUTTER
- CONCRETE RIBBON CURB



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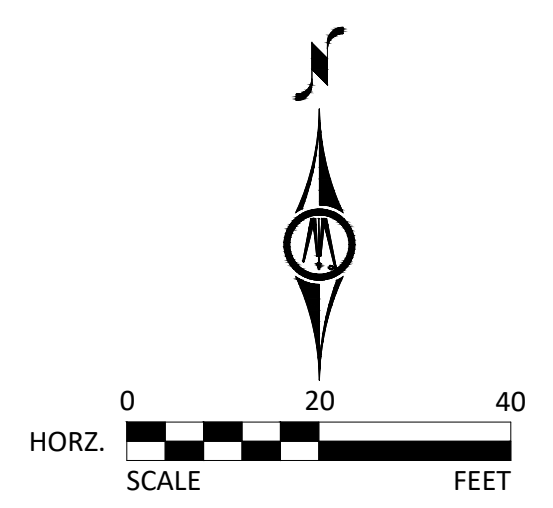
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**FINISHING
PLAN**

C2.01



LEGEND

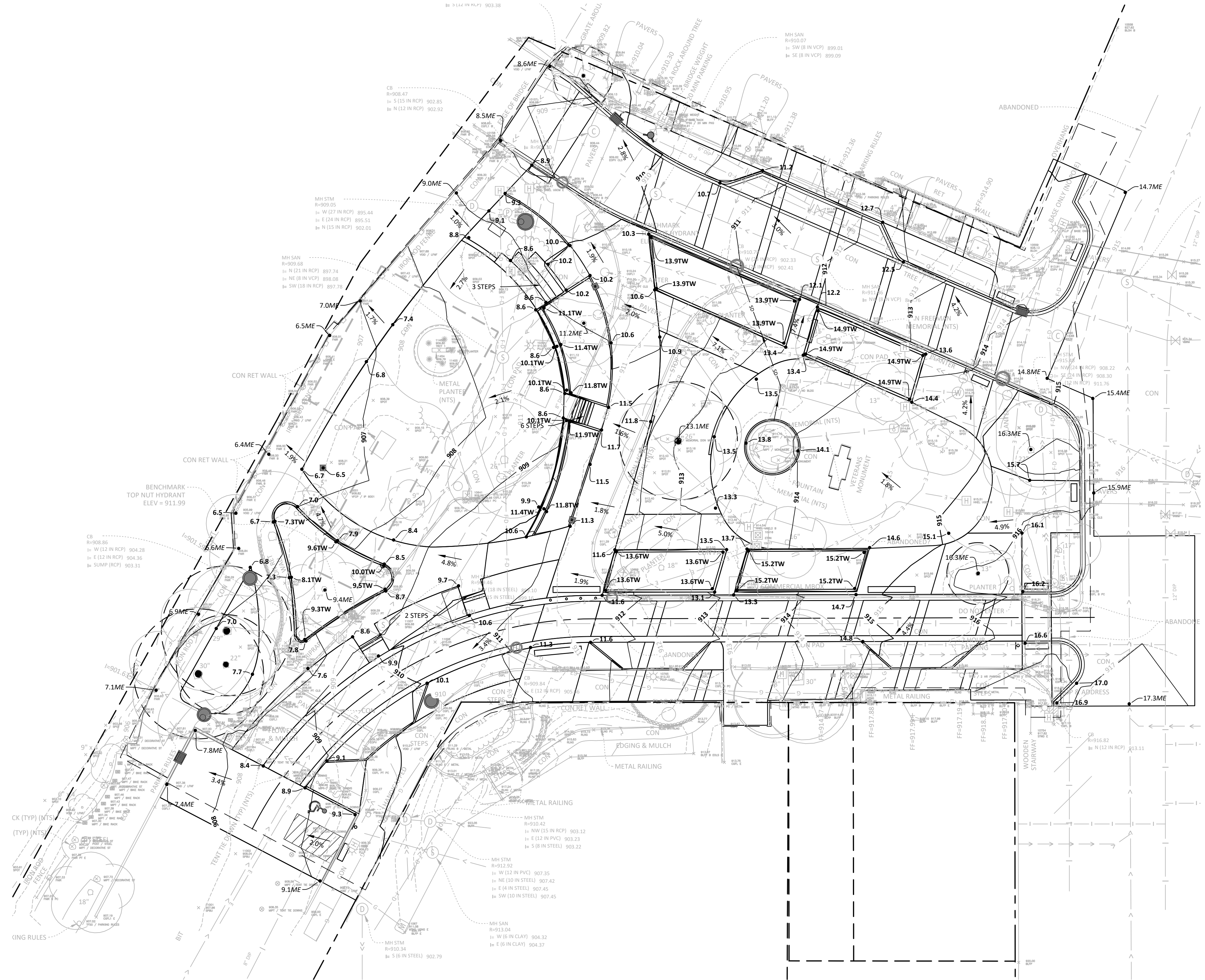
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DETAIL I.D. NUMBER (TOP)
DETAIL SHEET NUMBER (BOTTOM)
- 955
EXISTING CONTOUR
- 955
EXISTING SPOT ELEVATION
- PROPOSED CONTOUR
- PROPOSED SPOT ELEVATION
ME = MATCH EXISTING
EOF = EMERGENCY OVERFLOW
TC = TOP OF CURB
TW = FINISH GRADE AT HIGH SIDE OF WALL
BW = FINISH GRADE AT LOW SIDE OF WALL
- PROPOSED GRADING LIMITS
- APPROXIMATE SOIL BORING / TEST PIT LOCATION
- PROPOSED MANHOLE (MH)
- PROPOSED CATCH BASIN (CB)
- PROPOSED HYDRANT (HYD)
- PROPOSED GATE VALVE (GV)
- PROPERTY LINE

GENERAL NOTES

1. ALL CONSTRUCTION SHALL COMPLY WITH APPLICABLE STATE AND LOCAL ORDINANCES.
2. THE CONTRACTOR WILL BE RESPONSIBLE FOR AND SHALL PAY FOR ALL CONSTRUCTION STAKING / LAYOUT.
3. OBTAIN AND PAY FOR ALL RELATED CONSTRUCTION PERMITS, INCLUDING THE NPDES PERMIT FROM THE MPCA. SUBMIT A COPY OF ALL PERMITS TO THE CITY.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL SIGNAGE (CONSTRUCTION ZONES) NECESSARY TO CONSTRUCT PROPOSED IMPROVEMENTS. ALL SIGNAGE LAYOUTS MUST BE DESIGNED BY THE CONTRACTOR AND APPROVED BY LOCAL AUTHORITIES.
5. INSTALL CONTROL FENCING AND BARRICADING AS NECESSARY TO PROTECT THE PUBLIC.
6. INSPECT SITE AND REVIEW SOIL BORINGS TO DETERMINE EXTENT OF WORK AND NATURE OF MATERIALS TO BE HANDLED.
7. REFER TO SPECIFICATIONS FOR DEWATERING REQUIREMENTS.
8. CHECK ALL PLAN AND DETAIL DIMENSIONS AND VERIFY SAME BEFORE FIELD LAYOUT.
9. REFER TO ARCHITECTURAL PLANS FOR BUILDING AND STOOP DIMENSIONS AND LAYOUT.
10. REFER TO THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) NARRATIVE, SHEET XXX, FOR EROSION CONTROL REQUIREMENTS. SECTION 31 00 00 SHALL BE RESPONSIBLE FOR FULL IMPLEMENTATION OF THE SWPPP.
11. MAINTAIN ADJACENT PROPERTY AND PUBLIC STREETS CLEAN FROM CONSTRUCTION CAUSED DIRT AND DEBRIS ON A DAILY BASIS. PROTECT DRAINAGE SYSTEMS FROM SEDIMENTATION AS A RESULT OF CONSTRUCTION RELATED DIRT AND DEBRIS.
12. MAINTAIN DUST CONTROL DURING GRADING OPERATIONS.
13. ALL EROSION CONTROL METHODS SHALL COMPLY WITH MPCA AND LOCAL REGULATIONS.
14. MINIMIZE DISTURBANCE TO SITE AND PROTECT EXISTING SITE FEATURES (INCLUDING TURF AND VEGETATION) WHICH ARE TO REMAIN.
15. PROPOSED CONTOURS AND SPOT ELEVATIONS ARE SHOWN TO FINISH GRADE UNLESS OTHERWISE NOTED.
16. PROPOSED ELEVATIONS SHOWN TYPICALLY AS 10.1 OR 10 SHALL BE UNDERSTOOD TO MEAN 910.1 OR 910.
17. SPOT ELEVATIONS SHOWN IN PARKING LOTS, DRIVES AND ROADS INDICATE GUTTER GRADES, UNLESS NOTED OTHERWISE. SPOT ELEVATIONS WITH LABELS OUTSIDE THE BUILDING PERIMETER INDICATE PROPOSED GRADES OUTSIDE THE BUILDING. SPOT ELEVATIONS WITH LABELS INSIDE THE BUILDING PERIMETER INDICATE PROPOSED FINISH FLOOR ELEVATIONS.
18. THE CONTRACTOR WILL BE SOLELY RESPONSIBLE FOR DETERMINING QUANTITIES OF CUT, FILL AND WASTE MATERIALS TO BE HANDLED, AND FOR AMOUNT OF GRADING TO BE DONE IN ORDER TO COMPLETELY PERFORM ALL WORK INDICATED ON THE DRAWINGS. IMPORT SUITABLE MATERIAL AND EXPORT UNSUITABLE / EXCESS / WASTE MATERIAL, AS REQUIRED, AT NO ADDITIONAL COST TO THE OWNER.
19. NO FINISHED SLOPES SHALL EXCEED 4' HORIZONTAL TO 1' VERTICAL (4:1), UNLESS OTHERWISE NOTED.
20. ALL DISTURBED AREAS OUTSIDE WHICH ARE NOT DESIGNATED TO BE PAVED SHALL RECEIVE AT LEAST 6" OF TOPSOIL AND SHALL BE SODDED OR SEEDED.
21. WHERE NEW SOD MEETS EXISTING SOD, CUT A CLEAN, SHARP EDGE TO ALLOW FOR A CONSISTENT, UNIFORM, AND STRAIGHT JOINT BETWEEN NEW SOD AND EXISTING TURFGRASS. JAGGED OR UNEVEN JOINTS WILL NOT BE ACCEPTED. REMOVE TOPSOIL AT THE JOINT BETWEEN NEW SOD AND EXISTING TURFGRASS, AS REQUIRED, TO ALLOW NEW SOD SURFACE TO BE FLUSH WITH EXISTING TURFGRASS SURFACE.
22. FAILURE OF TURF DEVELOPMENT: IN THE EVENT THE CONTRACTOR FAILS TO PROVIDE AN ACCEPTABLE TURF, RE-SEED OR RE-SOD ALL APPLICABLE AREAS, AT NO ADDITIONAL COST TO THE OWNER, TO THE SATISFACTION OF THE ENGINEER OR LANDSCAPE ARCHITECT.
23. ALL WATERMAIN SHALL BE AWWA C900, CAST IRON OD, DR 18, PVC PIPE INSTALLED IN ACCORDANCE WITH ASTM D2321. ALL WATERMAIN SHALL HAVE MINIMUM 8'-0" BURY (TOP OF PIPE TO FINISH GRADE).

BENCHMARKS (FIELD VERIFY BEFORE USING)

1. TOP NUT OF HYDRANT LOCATED EAST OF DIVISION ST & SOUTH OF E 4TH ST.
ELEV: 919.22
2. TOP NUT OF HYDRANT LOCATED AT THE SW CORNER OF WATER ST S AND E 4TH ST.
ELEV: 913.49
3. TOP NUT OF HYDRANT LOCATED WEST OF WATER ST S AND NW OF THE UNITED STATES POSTAL SERVICE BUILDING 75' (+/-)
ELEV: 911.99



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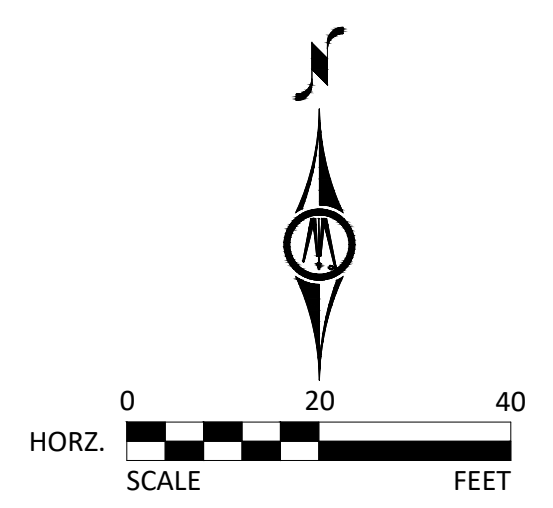
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**GRADING AND
DRAINAGE
PLAN**

C3.01



LEGEND

- REFERENCE KEY TO SITE DETAILS
DETAIL I.D. NUMBER (TOP)
DETAIL SHEET NUMBER (BOTTOM)
- EXISTING CONTOUR
- EXISTING SPOT ELEVATION
- PROPOSED CONTOUR
- PROPOSED SPOT ELEVATION
- PROPOSED GRADING LIMITS
- PROPOSED SANITARY SEWER
- PROPOSED WATERMAIN
- PROPOSED STORM SEWER
- PROPOSED DRAINTILE / FINGER DRAIN
- PROPOSED MANHOLE (MH)
- PROPOSED CATCH BASIN (CB)
- PROVIDE MINIMUM 18" VERTICAL SEPARATION AT CROSSING - PROVIDE VERTICAL BENDS IN WATERMAIN AS REQUIRED TO ACCOMPLISH. CENTER ONE LENGTH WATERMAIN PIPE ON CROSSING.
- CONNECT DRAINTILE TO STRUCTURE AND PROVIDE BACKWATER VALVE
- CENTER ONE LENGTH OF SOLID PVC PIPE ON WATERMAIN AT CROSSING
- PROPERTY LINE

NOTES

1. REFER TO SHEET C3.01, GRADING AND DRAINAGE PLAN, FOR GENERAL NOTES.
2. ALL WATERMAIN SHALL BE AWWA C900, CAST IRON OD, DR 18, PVC PIPE INSTALLED IN ACCORDANCE WITH ASTM D2321. ALL WATERMAIN SHALL HAVE MINIMUM 8'-0" BURY (TOP OF PIPE TO FINISH GRADE).
3. ALL SANITARY SEWER PIPE SHALL BE PVC PIPE (ASTM D 3034, SDR 26), UNLESS OTHERWISE NOTED. SANITARY SEWER INSTALLATION SHALL BE IN ACCORDANCE WITH ASTM D2321.
4. ALL SANITARY SEWER PIPE CROSSING WATERMAIN, OUTSIDE OF THE PUBLIC RIGHT-OF-WAY, SHALL BE ASTM D2665, SCHEDULE 40 PVC WITH SOLVENT WELD JOINTS.
5. ALL STORM SEWER PIPE SHALL BE RCP, CLASS III (MIN.), WITH FLEXIBLE WATERTIGHT JOINTS IN ACCORDANCE WITH ASTM C-361 OR PVC PIPE (ASTM D3034, SDR 35) INSTALLED IN ACCORDANCE WITH ASTM D2321, UNLESS OTHERWISE NOTED.
6. ALL STORM SEWER PIPE CROSSING WATERMAIN, OUTSIDE OF THE PUBLIC RIGHT-OF-WAY, SHALL BE ASTM D2665, SCHEDULE 40 PVC WITH SOLVENT WELD JOINTS.
7. FLEXIBLE JOINTS AT STORM SEWER PIPE CONNECTIONS TO STRUCTURES:
 - a. IN ACCORDANCE WITH MINNESOTA PLUMBING CODE, PROVIDE FLEXIBLE JOINTS AT ALL PIPE CONNECTIONS TO ALL STORM SEWER STRUCTURES.
 - b. ACCEPTABLE MANUFACTURERS / PRODUCTS:
 - i. FERROCO, "CONCRETE MANHOLE ADAPTORS" OR "LARGE-DIAMETER WATERSTOPS"
 - ii. PRESS-SEAL, WATERSTOP GROUTING RINGS"
 - iii. OR APPROVED EQUAL.
9. INSTALL WATERMAIN AT LEAST 10 FEET HORIZONTALLY FROM ANY MANHOLE, CATCH BASIN, STORM SEWER, SANITARY SEWER, DRAINTILE, OR OTHER POTENTIAL SOURCE FOR CONTAMINATION PER MN PLUMBING CODE. THIS ISOLATION DISTANCE IS MEASURED FROM THE OUTER EDGE OF THE PIPE TO THE OUTER EDGE OF THE CONTAMINATION SOURCE (OUTER EDGE OF STRUCTURES OR SIMILAR).
10. INSTALL MANHOLES, CATCH BASINS, STORM SEWER, SANITARY SEWER, DRAINTILE, AND OTHER POTENTIAL SOURCES OF CONTAMINATION AT LEAST 10 FEET HORIZONTALLY FROM ANY WATERMAIN PER MN PLUMBING CODE. THIS ISOLATION DISTANCE IS MEASURED FROM THE OUTER EDGE OF THE PIPE TO THE OUTER EDGE OF THE CONTAMINATION SOURCE (OUTER EDGE OF STRUCTURES OR SIMILAR).
11. LOCATE ALL EXISTING UTILITIES. VERIFY LOCATION, SIZE AND INVERT ELEVATION OF ALL EXISTING UTILITIES BEFORE BEGINNING CONSTRUCTION.
12. PRIOR TO CONSTRUCTION OF PROPOSED BUILDING UTILITY SERVICES (STORM, SANITARY SEWER, WATERMAIN), VERIFY ALL PROPOSED BUILDING UTILITY SERVICE PIPE SIZES, LOCATIONS AND ELEVATIONS WITH MECHANICAL PLANS. COORDINATE CONSTRUCTION AND CONNECTIONS WITH MECHANICAL CONTRACTOR.
13. MAINTAIN DRAINAGE FROM EXISTING BUILDING AT ALL TIMES. PROVIDE TEMPORARY STORM SEWER, INCLUDING, BUT NOT LIMITED TO, CATCH BASINS, MANHOLES, PIPING, AND SIMILAR. DO NOT REMOVE EXISTING STORM SEWER UNTIL TEMPORARY OR PERMANENT STORM SEWER IS INSTALLED AND FUNCTIONAL. COORDINATE ALL REMOVALS WITH APPROPRIATE TRADES (SITE UTILITY CONTRACTOR, MECHANICAL CONTRACTOR, ETC.) AS REQUIRED.
14. STAKE LIMITS OF WALKS AND CURBING PRIOR TO INSTALLATION OF GATE VALVES, CATCH BASINS, AND MANHOLES. ADJUST GATE VALVE AND MANHOLE LOCATIONS TO AVOID PLACEMENT OF THESE STRUCTURES IN WALKS AND CURB AND GUTTER. STAKE CURB AND GUTTER ALIGNMENTS TO ALLOW CURB INLET TYPE CATCH BASINS TO PROPERLY ALIGN WITH CURB AND GUTTER.

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NORTHFIELD, MN

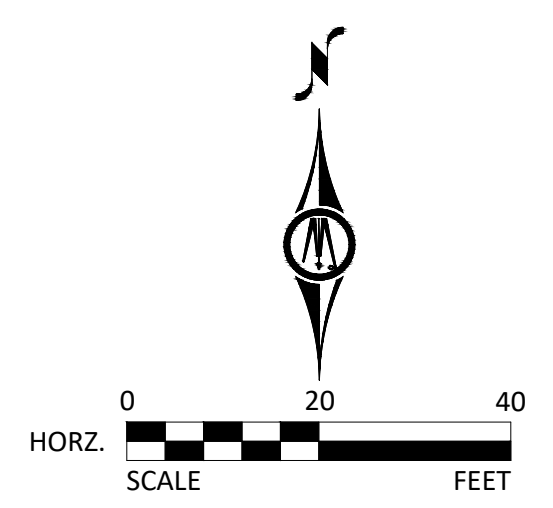
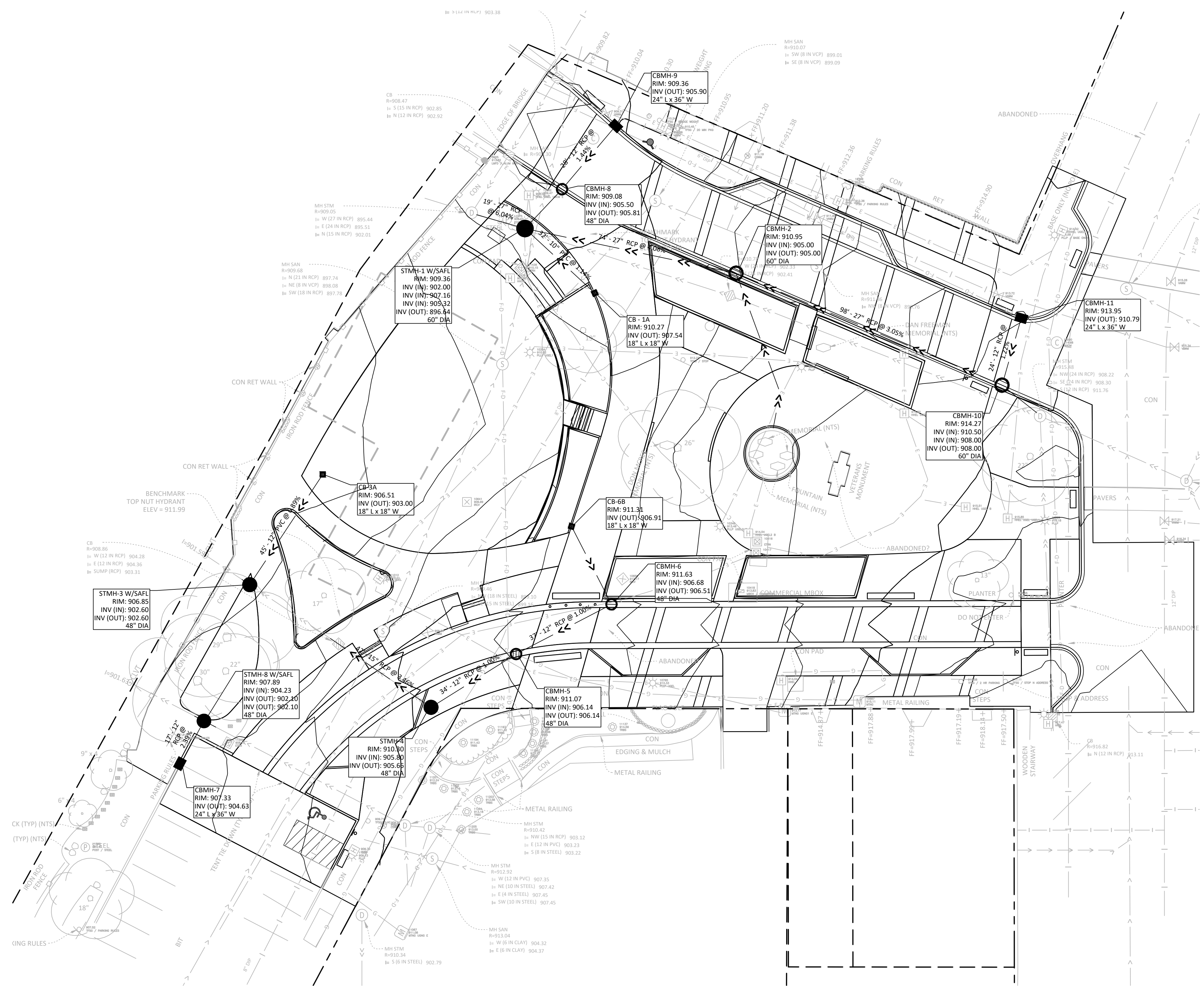
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Name	Tom Whitlock
Registration#	26292
Signature	Date
	09/26/2023
DF/ Project #	22-184
Scale	AS SHOWN
Drawn/Checked	RP/AG/BE/RB

REVISION _____

**UTILITY PLAN -
STORM
SEWER**

C4.01



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REVISION

NOT FOR CONSTRUCTION

UTILITY PLAN -
SANITARY &
WATER

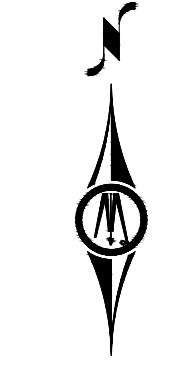
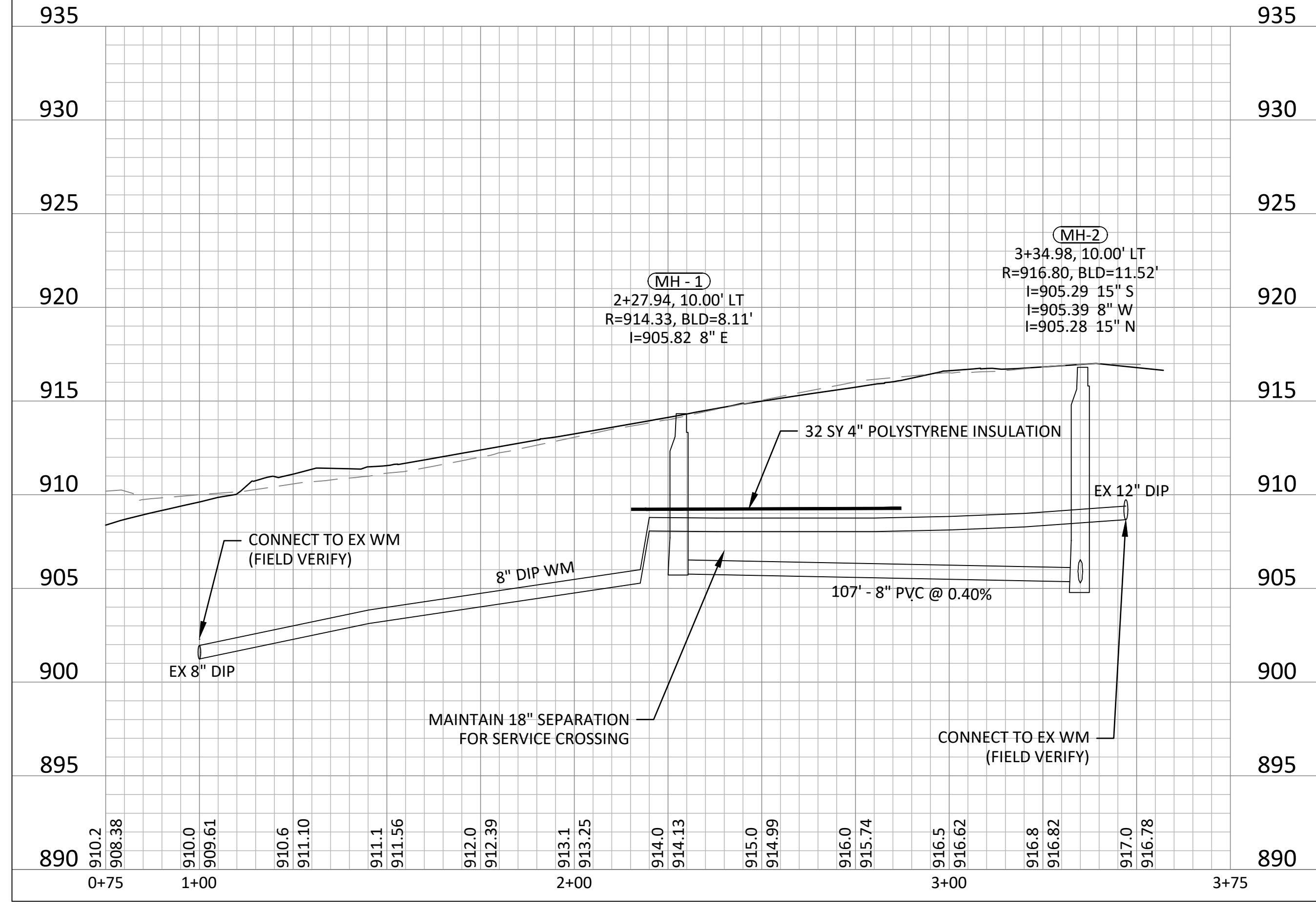
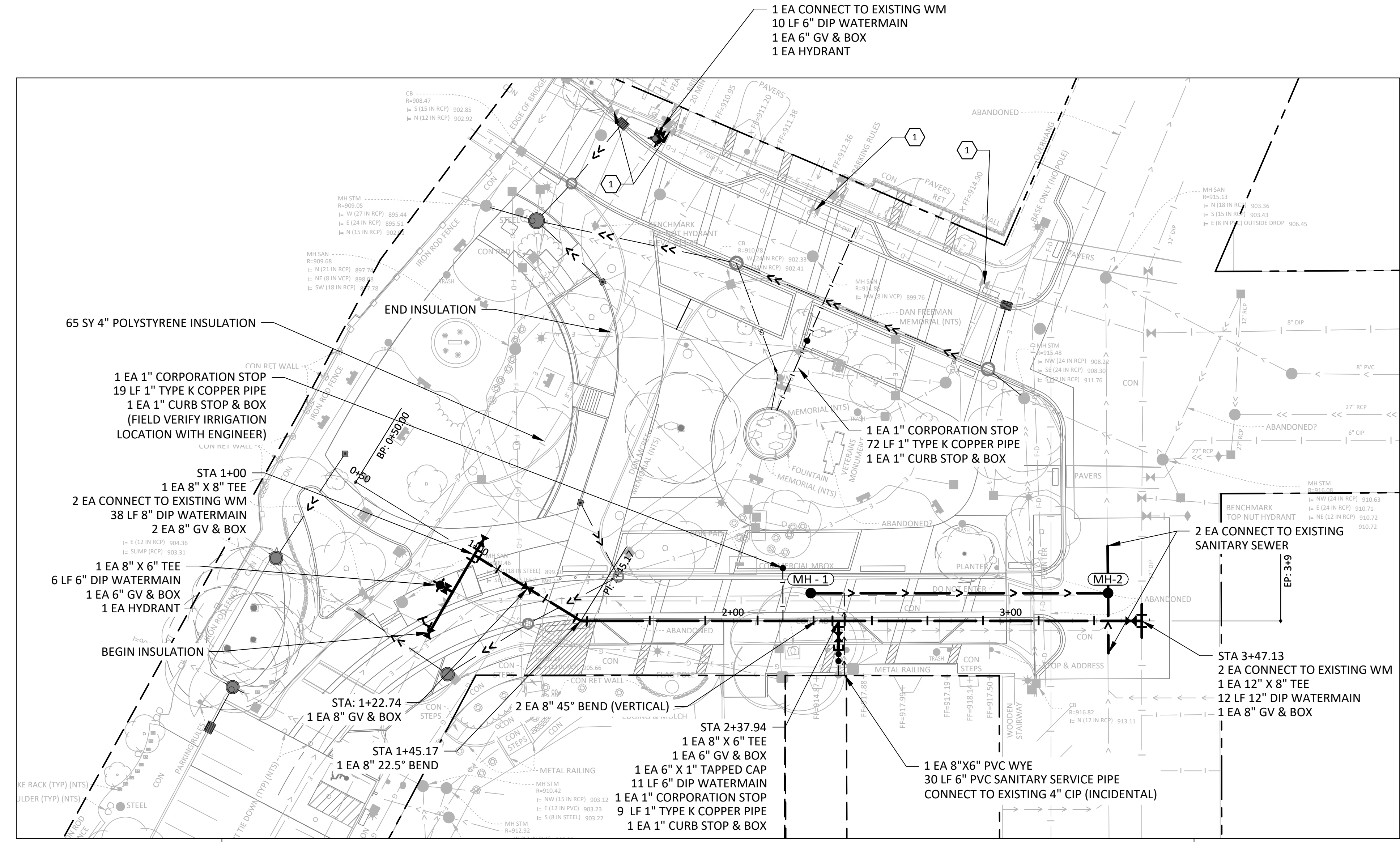
C4.02

LEGEND

- REFERENCE KEY TO SITE DETAILS
DETAIL I.D. NUMBER (TOP)
DETAIL SHEET NUMBER (BOTTOM)
- EXISTING CONTOUR
- EXISTING SPOT ELEVATION
- PROPOSED CONTOUR
- PROPOSED SPOT ELEVATION
ME = MATCH EXISTING
EOF = EMERGENCY OVERFLOW
TC = TOP OF CURB
TW = FINISH GRADE AT HIGH SIDE OF WALL
BW = FINISH GRADE AT LOW SIDE OF WALL
- PROPOSED GRADING LIMITS
- PROPOSED SANITARY SEWER
- PROPOSED SANITARY SERVICE
- PROPOSED WATERMAIN
- PROPOSED WATER SERVICE
- PROPOSED HYDRANT (HYD)
- PROPOSED GATE VALVE (GV)
- PROPOSED CURB STOP
- REPLACE GV BOLTS
- PROPERTY LINE

NOTES

- REFER TO SHEET C3.01, GRADING AND DRAINAGE PLAN, FOR GENERAL NOTES.
- ALL WATERMAIN SHALL BE AWWA C900, CAST IRON OD, DR 18, PVC PIPE INSTALLED IN ACCORDANCE WITH ASTM D2321. ALL WATERMAIN SHALL HAVE MINIMUM 8'-0" BURY (TOP OF PIPE TO FINISH GRADE).
- ALL SANITARY SEWER PIPE SHALL BE PVC PIPE (ASTM D 3034, SDR 26), UNLESS OTHERWISE NOTED. SANITARY SEWER INSTALLATION SHALL BE IN ACCORDANCE WITH ASTM D2321.
- ALL SANITARY SEWER PIPE CROSSING WATERMAIN, OUTSIDE OF THE PUBLIC RIGHT-OF-WAY, SHALL BE ASTM D2665, SCHEDULE 40 PVC WITH SOLVENT WELD JOINTS.
- ALL STORM SEWER PIPE SHALL BE RCP, CLASS III (MIN.), WITH FLEXIBLE WATERTIGHT JOINTS IN ACCORDANCE WITH ASTM C-361 OR PVC PIPE (ASTM D3034, SDR 35) INSTALLED IN ACCORDANCE WITH ASTM D2321, UNLESS OTHERWISE NOTED.
- ALL STORM SEWER PIPE CROSSING WATERMAIN, OUTSIDE OF THE PUBLIC RIGHT-OF-WAY, SHALL BE ASTM D2665, SCHEDULE 40 PVC WITH SOLVENT WELD JOINTS.
- FLEXIBLE JOINTS AT STORM SEWER PIPE CONNECTIONS TO STRUCTURES:
 - IN ACCORDANCE WITH MINNESOTA PLUMBING CODE, PROVIDE FLEXIBLE JOINTS AT ALL PIPE CONNECTIONS TO ALL STORM SEWER STRUCTURES.
 - ACCEPTABLE MANUFACTURERS / PRODUCTS:
 - FERNOCO, "CONCRETE MANHOLE ADAPTORS" OR "LARGE-DIAMETER WATERSTOPS"
 - PRESS-SEAL, WATERSTOP GROUTING RINGS"
 - OR APPROVED EQUAL.
- INSTALL WATERMAIN AT LEAST 10 FEET HORIZONTALLY FROM ANY MANHOLE, CATCH BASIN, STORM SEWER, SANITARY SEWER, DRAIN TILE, OR OTHER POTENTIAL SOURCE FOR CONTAMINATION PER MN PLUMBING CODE. THIS ISOLATION DISTANCE IS MEASURED FROM THE OUTER EDGE OF THE PIPE TO THE OUTER EDGE OF THE CONTAMINATION SOURCE (OUTER EDGE OF STRUCTURES OR SIMILAR).
- INSTALL MANHOLES, CATCH BASINS, STORM SEWER, SANITARY SEWER, DRAIN TILE, AND OTHER POTENTIAL SOURCES OF CONTAMINATION AT LEAST 10 FEET HORIZONTALLY FROM ANY WATERMAIN PER MN PLUMBING CODE. THIS ISOLATION DISTANCE IS MEASURED FROM THE OUTER EDGE OF THE PIPE TO THE OUTER EDGE OF THE CONTAMINATION SOURCE (OUTER EDGE OF STRUCTURES OR SIMILAR).
- LOCATE ALL EXISTING UTILITIES. VERIFY LOCATION, SIZE AND INVERT ELEVATION OF ALL EXISTING UTILITIES BEFORE BEGINNING CONSTRUCTION.
- PRIOR TO CONSTRUCTION OF PROPOSED BUILDING UTILITY SERVICES (STORM, SANITARY SEWER, WATERMAIN), VERIFY ALL PROPOSED BUILDING UTILITY SERVICE PIPE SIZES, LOCATIONS AND ELEVATIONS WITH MECHANICAL PLANS. COORDINATE CONSTRUCTION AND CONNECTIONS WITH MECHANICAL CONTRACTOR.
- MAINTAIN DRAINAGE FROM EXISTING BUILDING AT ALL TIMES. PROVIDE TEMPORARY STORM SEWER, INCLUDING, BUT NOT LIMITED TO, CATCH BASINS, MANHOLES, PIPING, AND SIMILAR. DO NOT REMOVE EXISTING STORM SEWER UNTIL TEMPORARY OR PERMANENT STORM SEWER IS INSTALLED AND FUNCTIONAL. COORDINATE ALL REMOVALS WITH APPROPRIATE TRADES (SITE UTILITY CONTRACTOR, MECHANICAL CONTRACTOR, ETC.) AS REQUIRED.
- STAKE LIMITS OF WALKS AND CURBING PRIOR TO INSTALLATION OF GATE VALVES, CATCH BASINS, AND MANHOLES. ADJUST GATE VALVE AND MANHOLE LOCATIONS TO AVOID PLACEMENT OF THESE STRUCTURES IN WALKS AND CURB AND GUTTER. STAKE CURB AND GUTTER ALIGNMENTS TO ALLOW CURB INLET TYPE CATCH BASINS TO PROPERLY ALIGN WITH CURB AND GUTTER.



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Signature _____ Date 09/26/2023

DF/ Project # 22-184

Scale AS SHOWN

Drawn/Checked RP/AG/BE/RB

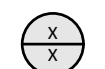











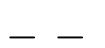


REVISION _____

NOT FOR CONSTRUCTION

SEDIMENT AND EROSION CONTROL PLAN

C5.01

LEGEND

-  REFERENCE KEY TO SITE DETAILS
DETAIL I.D. NUMBER (TOP)
DETAIL SHEET NUMBER (BOTTOM)
-  955 EXISTING CONTOUR
-  955 PROPOSED CONTOUR
-  PROPOSED GRADING LIMITS
-  PROPOSED STORM SEWER
-  PROPOSED DRAIN TILE / FINGER DRAIN
-  PROPOSED MANHOLE (MH)
-  PROPOSED CATCH BASIN (CB)
-  INLET PROTECTION DEVICE AT STORM SEWER INLET
-  PROPOSED SILT FENCE
-  PROPOSED SEDIMENT CONTROL LOG
-  PROPOSED ROCK CONSTRUCTION ENTRANCE
-  PROPOSED EROSION CONTROL BLANKET
-  PROPOSED TEMPORARY DIVERSION BERM
-  PROPERTY LINE

NOTES

1. REFER TO SHEET C3.01, GRADING AND DRAINAGE PLAN, FOR GENERAL NOTES.
2. REFER TO SWPPP NARRATIVE, SHEET XXX, FOR CONSTRUCTION SEQUENCING AND EROSION CONTROL REQUIREMENTS.
3. MAINTAIN ADJACENT PROPERTY AND PUBLIC STREETS CLEAN FROM CONSTRUCTION CAUSED DIRT AND DEBRIS ON A DAILY BASIS. PROTECT DRAINAGE SYSTEMS FROM SEDIMENTATION AS A RESULT OF CONSTRUCTION RELATED DIRT AND DEBRIS.
4. MAINTAIN DUST CONTROL DURING GRADING OPERATIONS.
5. ALL EROSION CONTROL METHODS SHALL COMPLY WITH MPCA AND OTHER LOCAL REGULATIONS.
6. IF EROSION AND SEDIMENT CONTROL MEASURES TAKEN ARE NOT ADEQUATE AND RESULT IN DOWNSTREAM SEDIMENTATION, CLEAN OUT DOWNSTREAM STORM SEWERS AND OTHER CONVEYANCE DEVICES AS NECESSARY, INCLUDING ASSOCIATED RESTORATION.
7. INLET PROTECTION DEVICE AT STORM SEWER INLETS. AT THE INLETS TO ALL STORM SEWER STRUCTURES, PROVIDE A PRODUCT FROM THE FOLLOWING LIST OF APPROVED PRODUCTS:
 - a. ROAD DRAIN "TOP SLAB", MANUFACTURED BY WIMCO
 - b. ROAD DRAIN "CURB & GUTTER", MANUFACTURED BY WIMCO
 - c. INFRASAFE "SEDIMENT CONTROL BARRIER", MANUFACTURED BY ROYAL ENVIRONMENTAL SYSTEMS, INC.
 - d. INFRASAFE "DEBRIS COLLECTION DEVICE", MANUFACTURED BY ROYAL ENVIRONMENTAL SYSTEMS, INC.
 - e. INFRASAFE "CULVERT INLET PROTECTOR", MANUFACTURED BY ROYAL ENVIRONMENTAL SYSTEMS, INC.
 - f. DANDY SACK, MANUFACTURED BY DANDY PRODUCTS, INC.
 - g. DANDY CURB SACK, MANUFACTURED BY DANDY PRODUCTS, INC.
 - h. OR APPROVED EQUAL.
8. PRIOR TO CONSTRUCTION, DELINEATE TURF AND VEGETATED AREAS NOT TO BE DISTURBED WITH ORANGE SNOW FENCE. DO NOT ALLOW CONSTRUCTION TRAFFIC, EQUIPMENT, OR MATERIALS TO UTILIZE, ACCESS, OR OTHERWISE ENTER THE DELINEATED AREAS. MINIMIZE SOIL COMPACTION AND DISRUPTION OF TOPSOIL IN AREAS OUTSIDE THE CONSTRUCTION LIMITS TO COMPLY WITH THE MN CONSTRUCTION STORMWATER PERMIT.

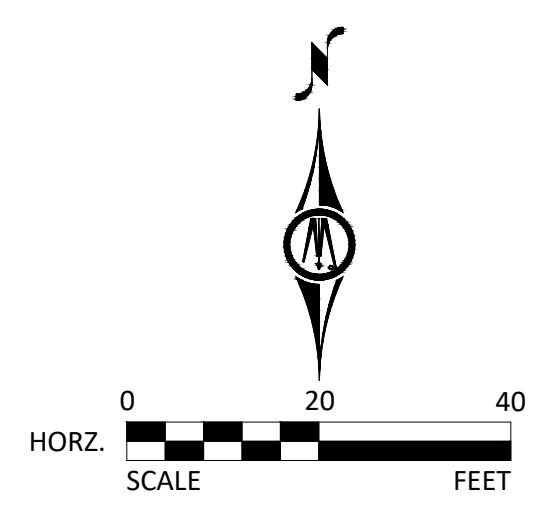
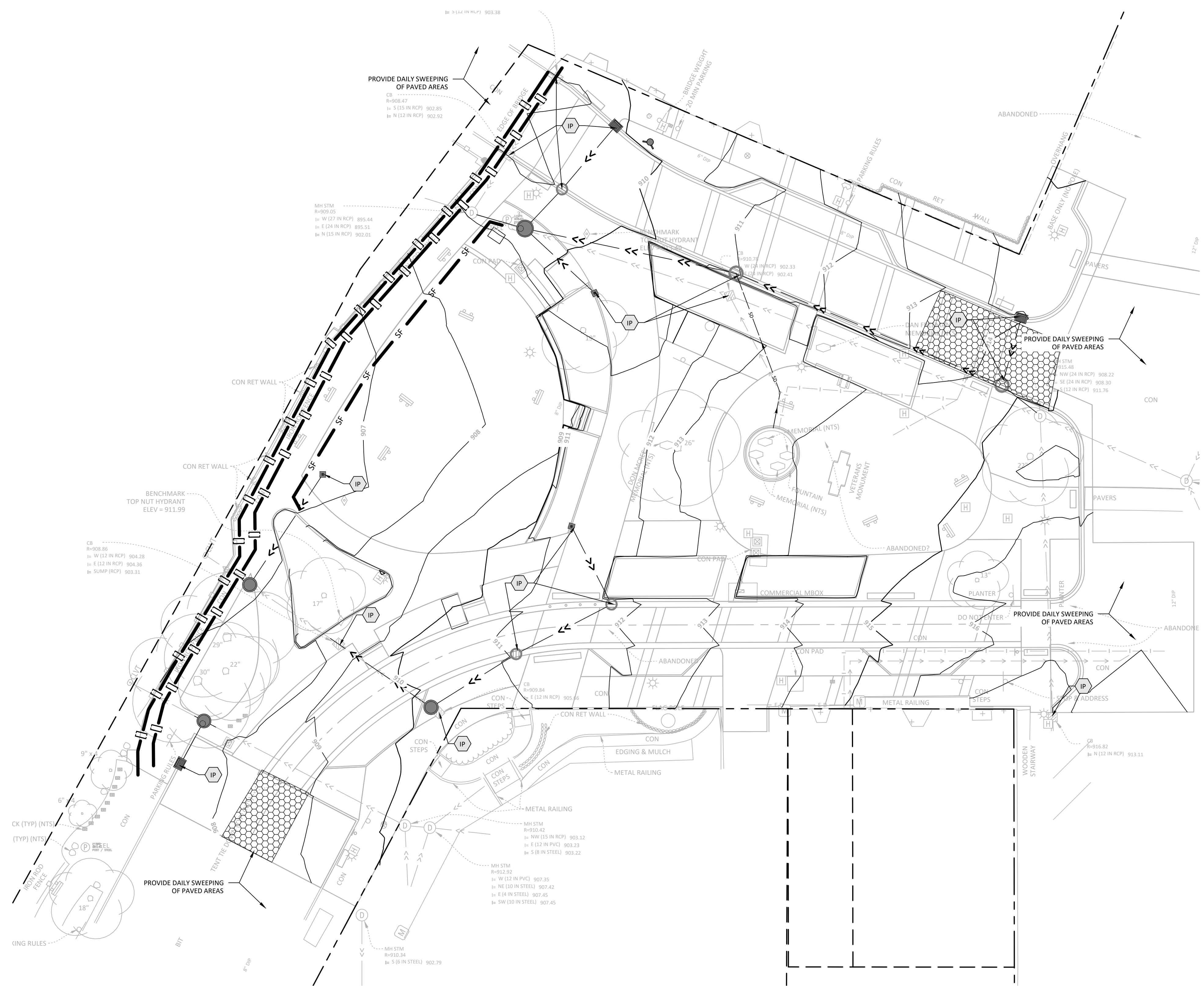


PLATE NO. ERO-2
SILT FENCE INSTALLATION
DRAWN BY: B.D.H. NOT TO SCALE
UPDATED: 2022

DET# SHT#

PLATE NO. ERO-3
EROSION CONTROL BLANKET INSTALLATION
DRAWN BY: B.D.H. NOT TO SCALE
UPDATED: 2022

DET# SHT#

PLATE NO. SAN-1
STANDARD MANHOLE
DRAWN BY: B.D.H. NOT TO SCALE
UPDATED: 2022

DET# SHT#

PLATE NO. WAT-5
WATERMAIN OFFSET
DRAWN BY: B.D.H. NOT TO SCALE
UPDATED: 2022

DET# SHT#

PLATE NO. STR-6
B&I CURB SECTION
DRAWN BY: B.D.H. NOT TO SCALE
UPDATED: 2022

DET# SHT#

PLATE NO. STR-5
TYPICAL STREET SECTION
DRAWN BY: B.D.H. NOT TO SCALE
UPDATED: 2022

DET# SHT#

PLATE NO. ERO-1
STABILIZED CONSTRUCTION ENTRANCE
DRAWN BY: B.D.H. NOT TO SCALE
UPDATED: 2022

DET# SHT#

PLATE NO. BED-1
BEDDING METHODS FOR RCP OR DIP
DRAWN BY: B.D.H. NOT TO SCALE
UPDATED: 2022

DET# SHT#

PLATE NO. STM-1
TOP SLAB MANHOLE 48" DIAMETER RISER SECTION
DRAWN BY: B.D.H. NOT TO SCALE
UPDATED: 2022

DET# SHT#

PLATE NO. WAT-3
GATE VALVE AND BOX INSTALLATION
DRAWN BY: B.D.H. NOT TO SCALE
UPDATED: 2022

DET# SHT#

PLATE NO. STR-13
SIDEWALK AND CURB AND GUTTER SPOT REPAIRS
DRAWN BY: B.D.H. NOT TO SCALE
UPDATED: 2022

DET# SHT#

PLATE NO. STR-10
TYPICAL CONCRETE STREET SECTION
DRAWN BY: B.D.H. NOT TO SCALE
UPDATED: 2022

DET# SHT#

PLATE NO. ERO-7
BIOROLL DITCH CHECK TEMPORARY SEDIMENT CONTROL
DRAWN BY: B.D.H. NOT TO SCALE
UPDATED: 2022

DET# SHT#

PLATE NO. BED-2
BEDDING METHODS FOR PVC
DRAWN BY: B.D.H. NOT TO SCALE
UPDATED: 2022

DET# SHT#

PLATE NO. STM-2
CATCH BASIN MANHOLE
DRAWN BY: B.D.H. NOT TO SCALE
UPDATED: 2022

DET# SHT#

PLATE NO. WAT-1
CONCRETE THRUST BLOCKING
DRAWN BY: B.D.H. NOT TO SCALE
UPDATED: 2022

DET# SHT#

PLATE NO. STR-8
TYPICAL INTERSECTION
DRAWN BY: B.D.H. NOT TO SCALE
UPDATED: 2022

DET# SHT#

PLATE NO. STR-12
TYPICAL FINISHED GRADE CASTING
DRAWN BY: B.D.H. NOT TO SCALE
UPDATED: 2022

DET# SHT#

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CIVIL DETAILS

C6.01

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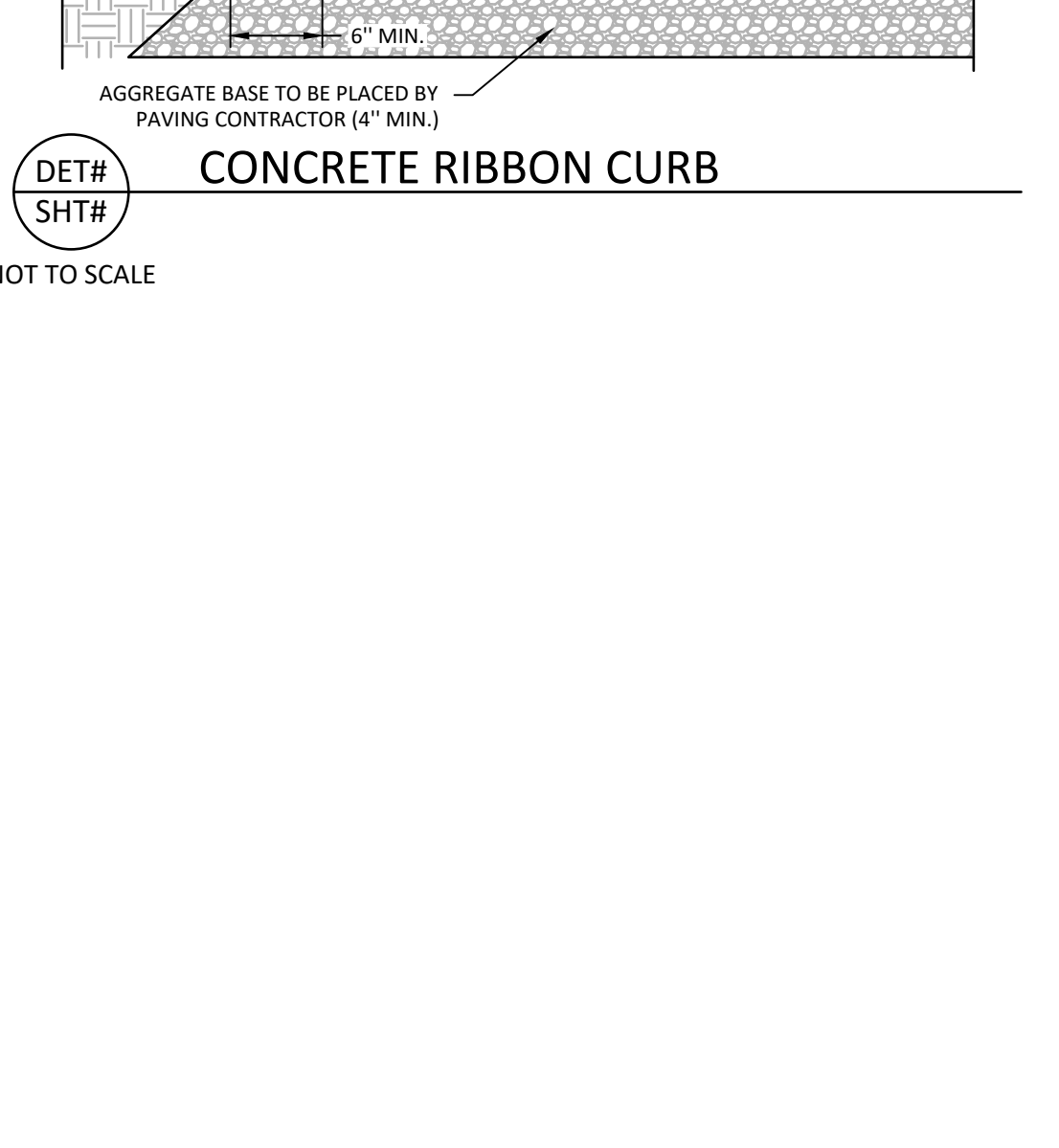
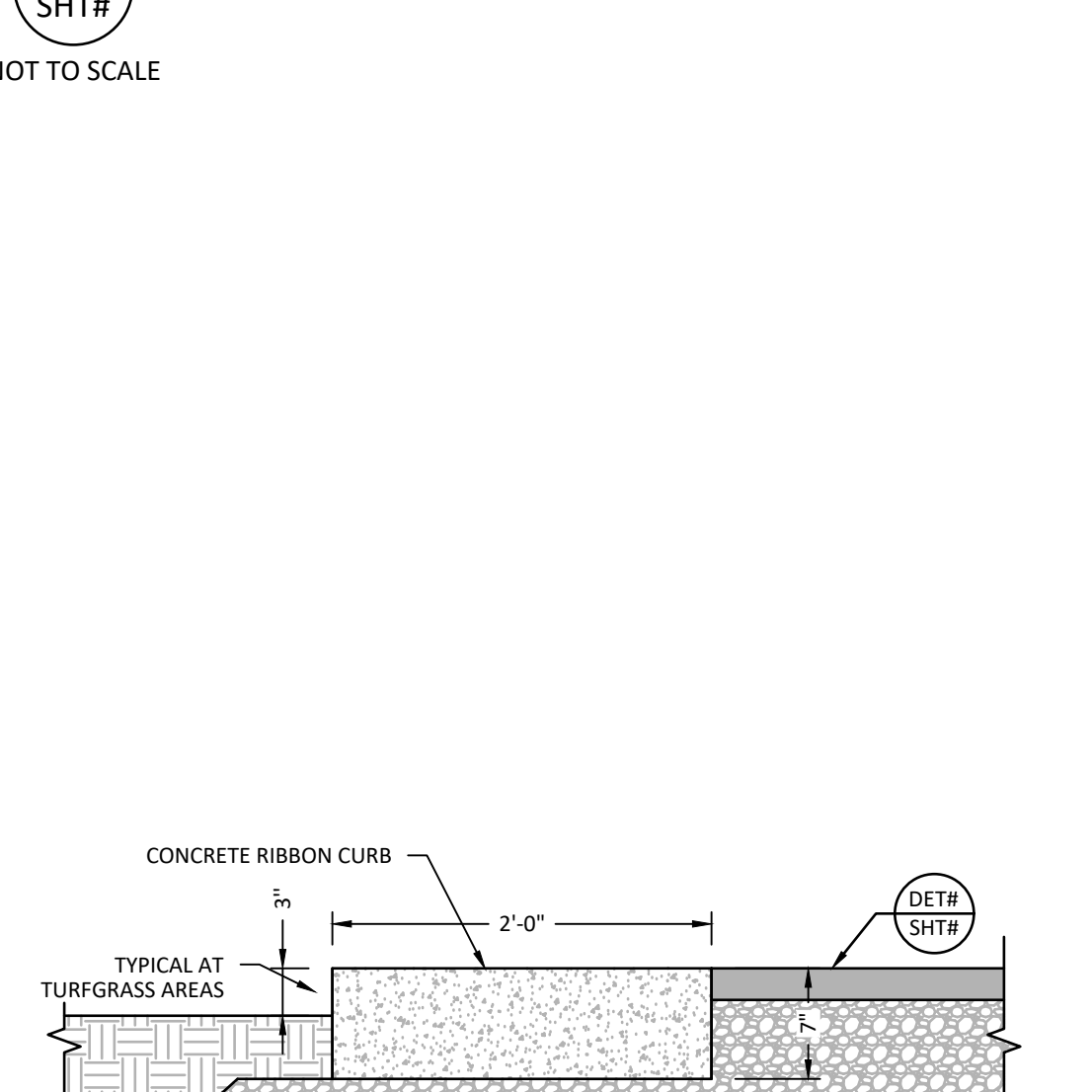
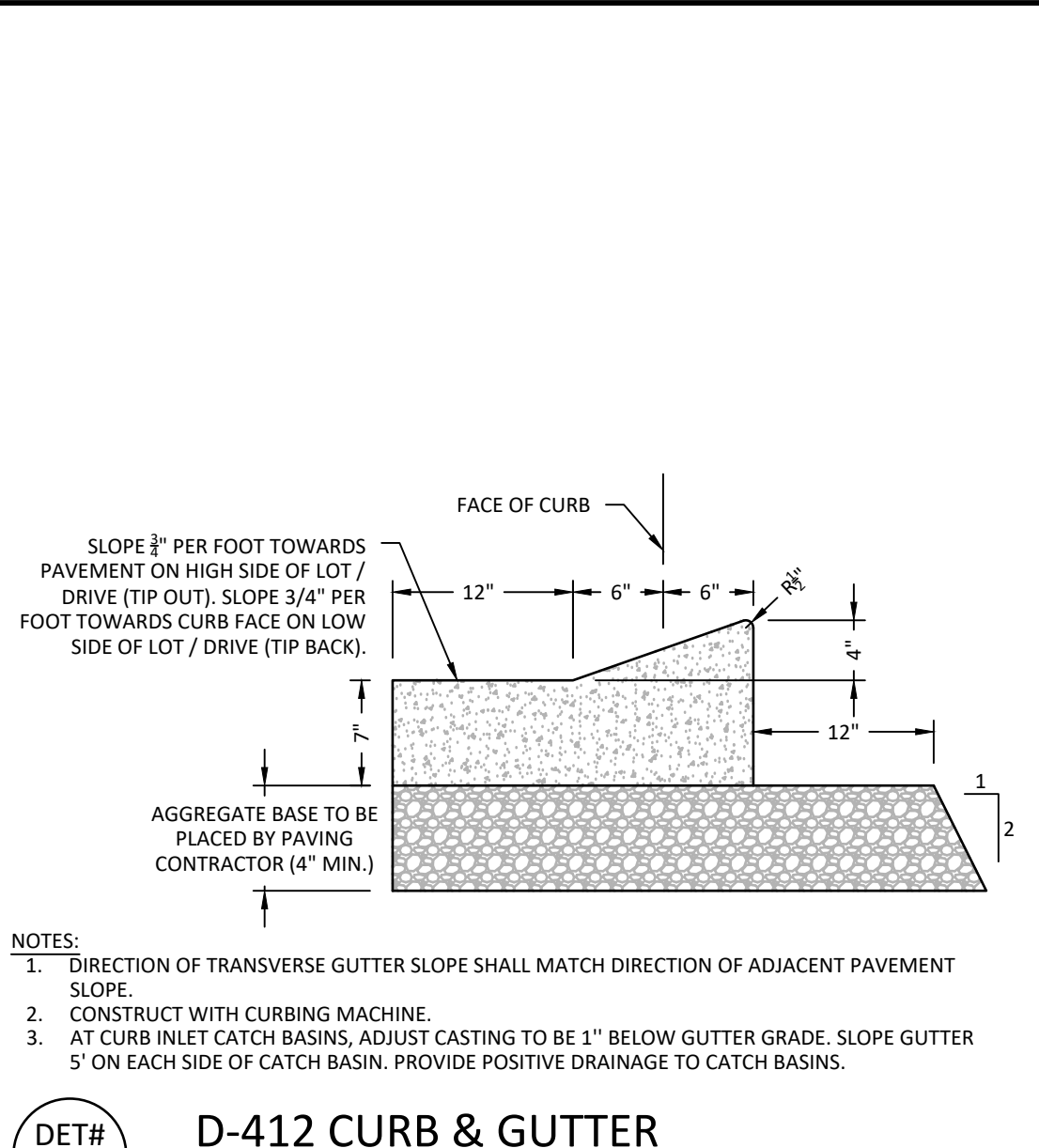
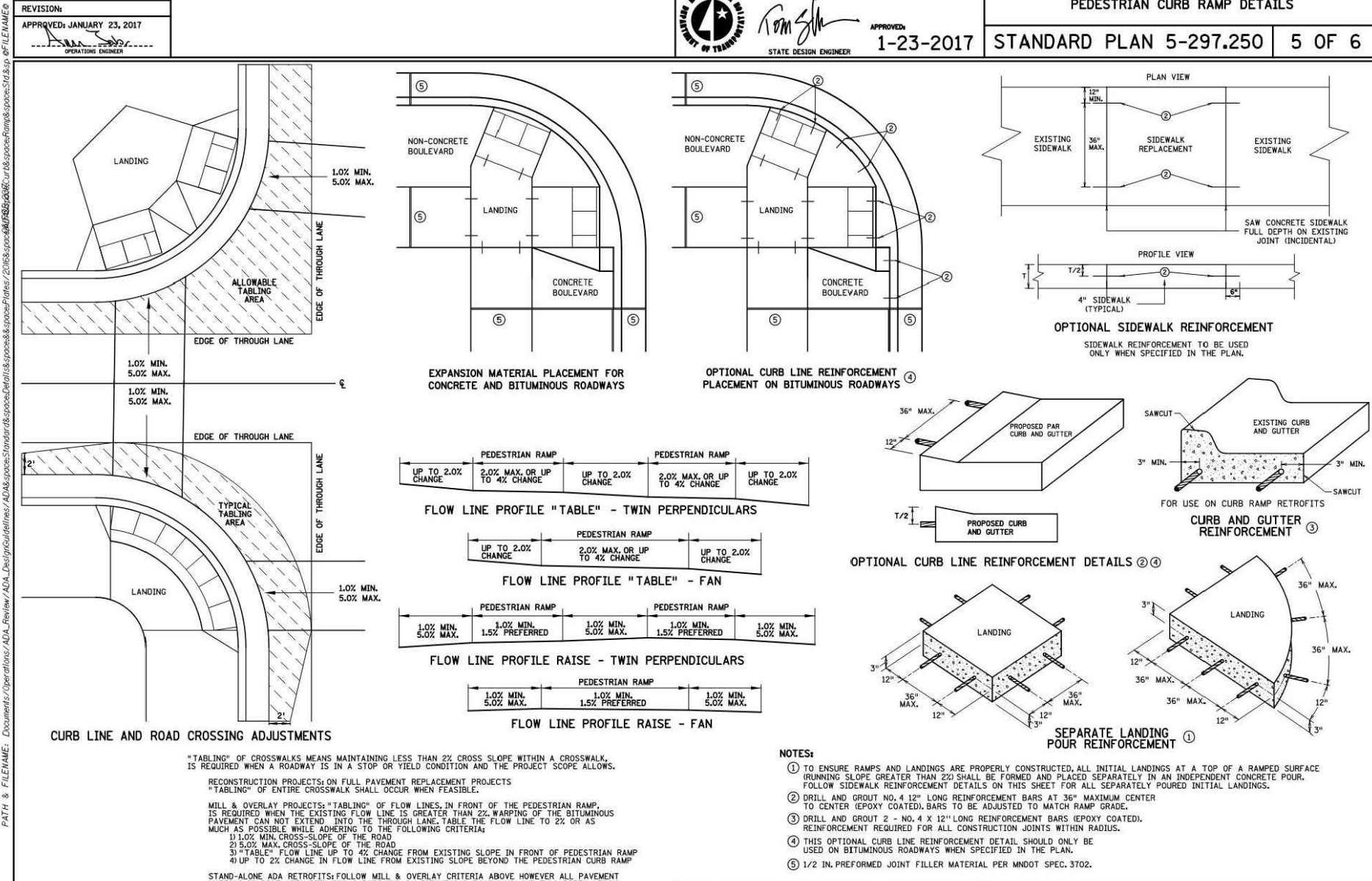
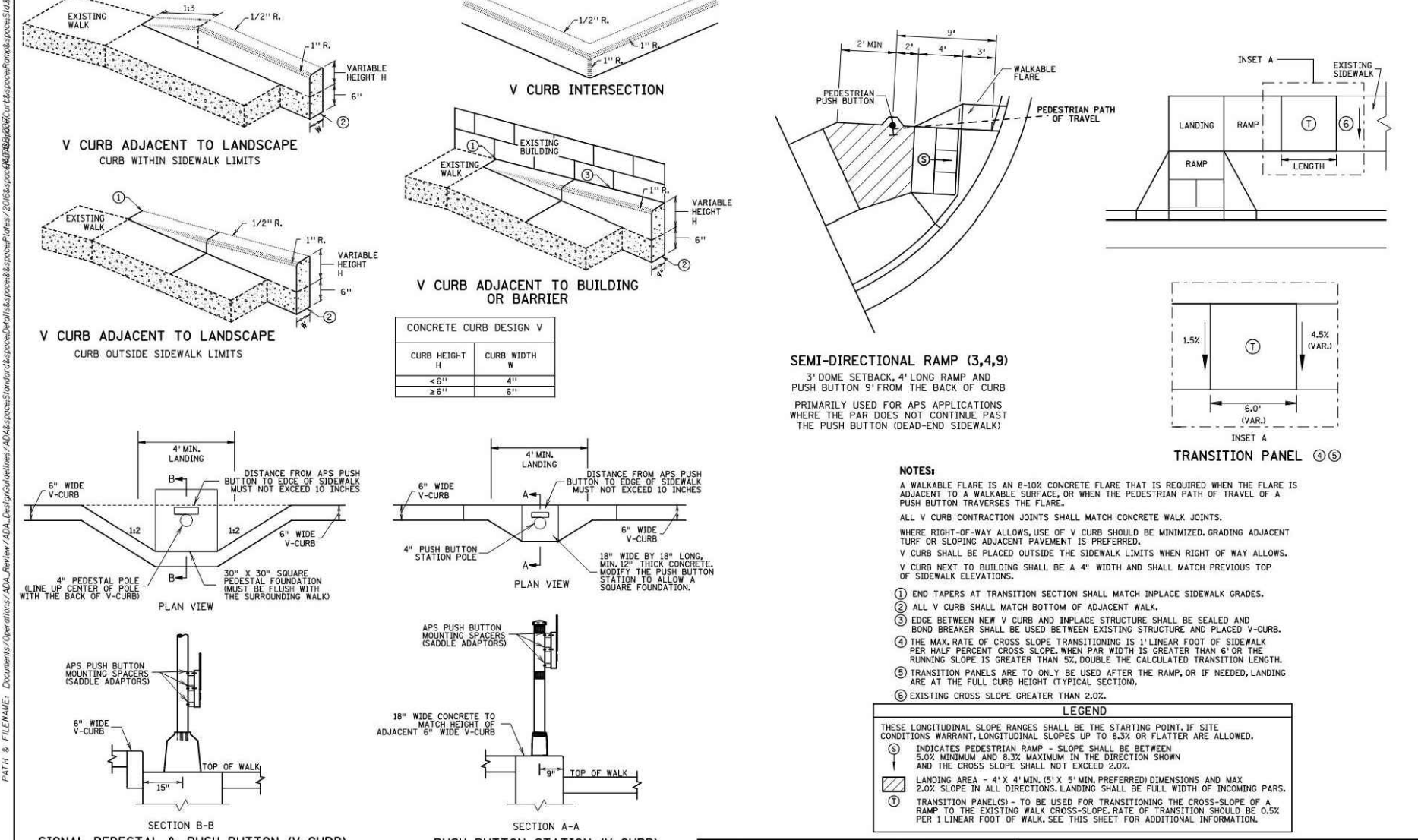
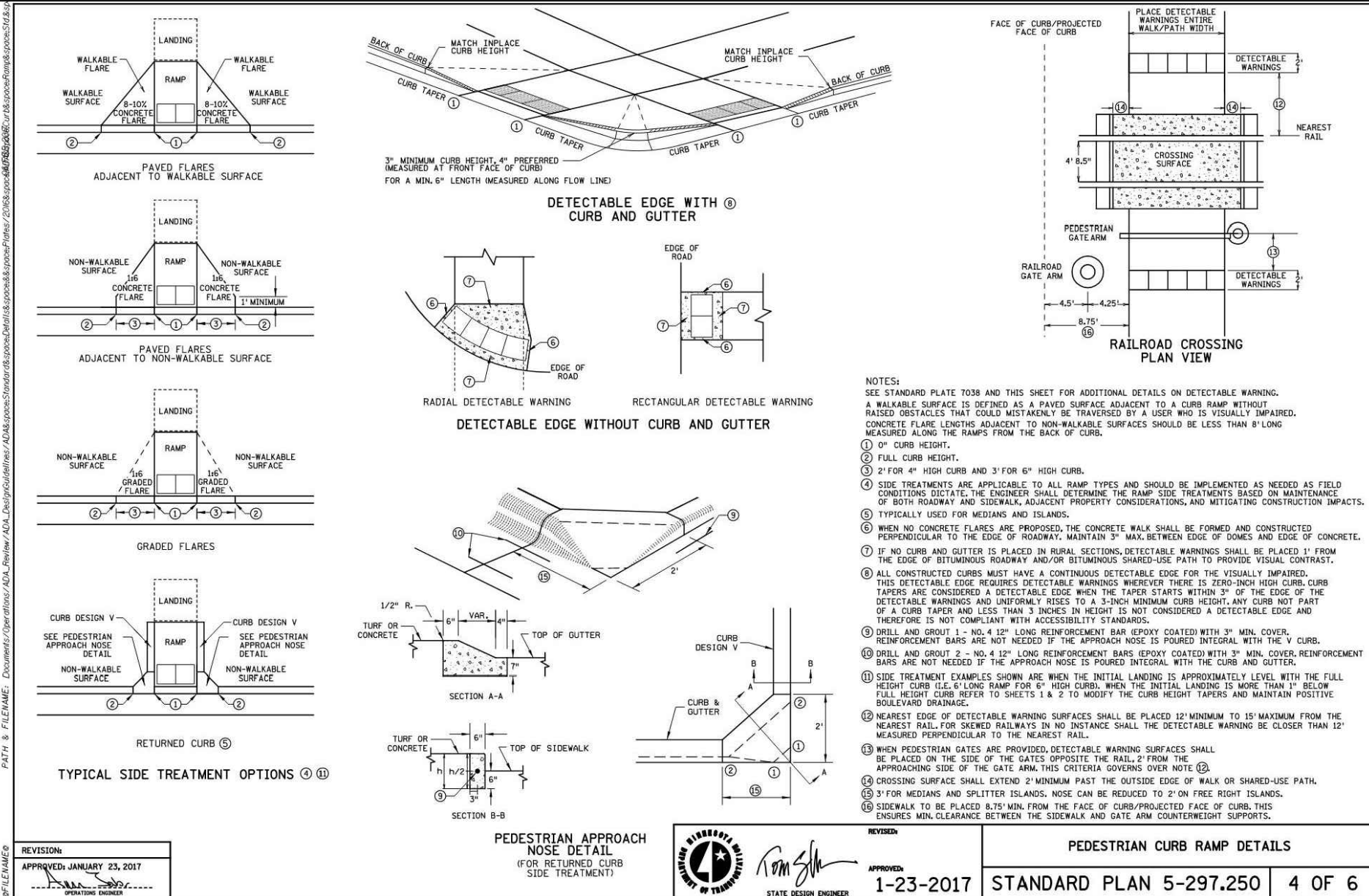
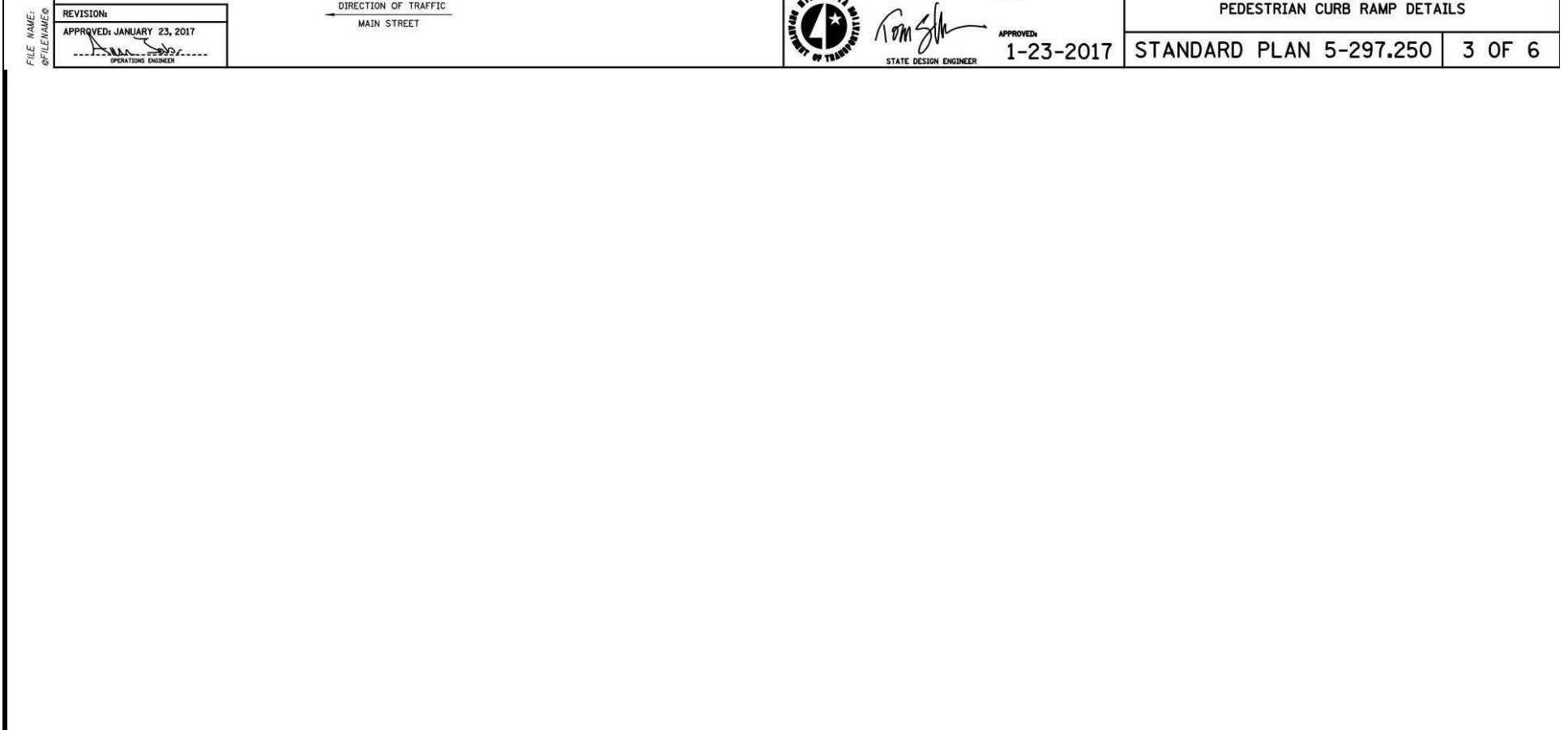
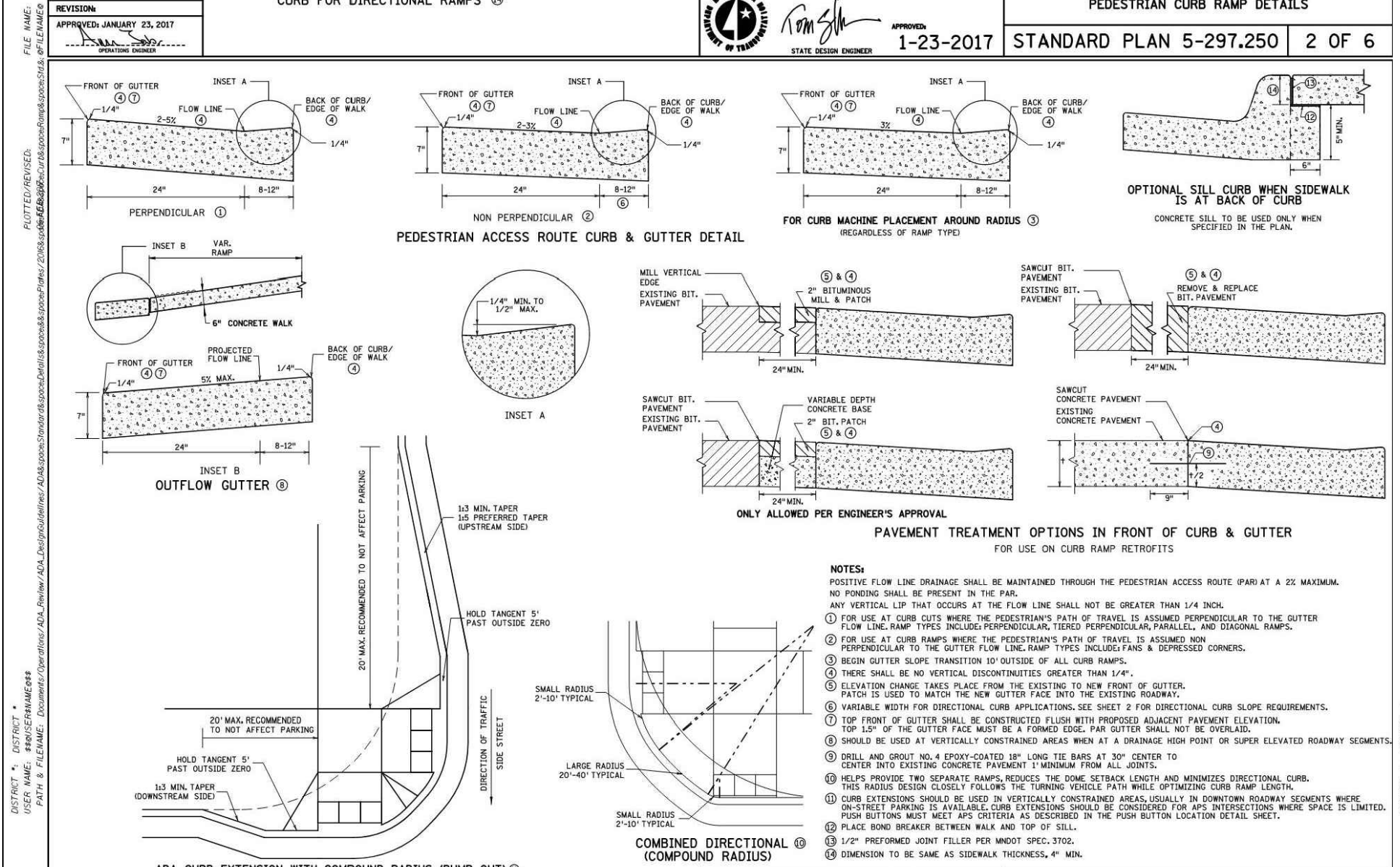
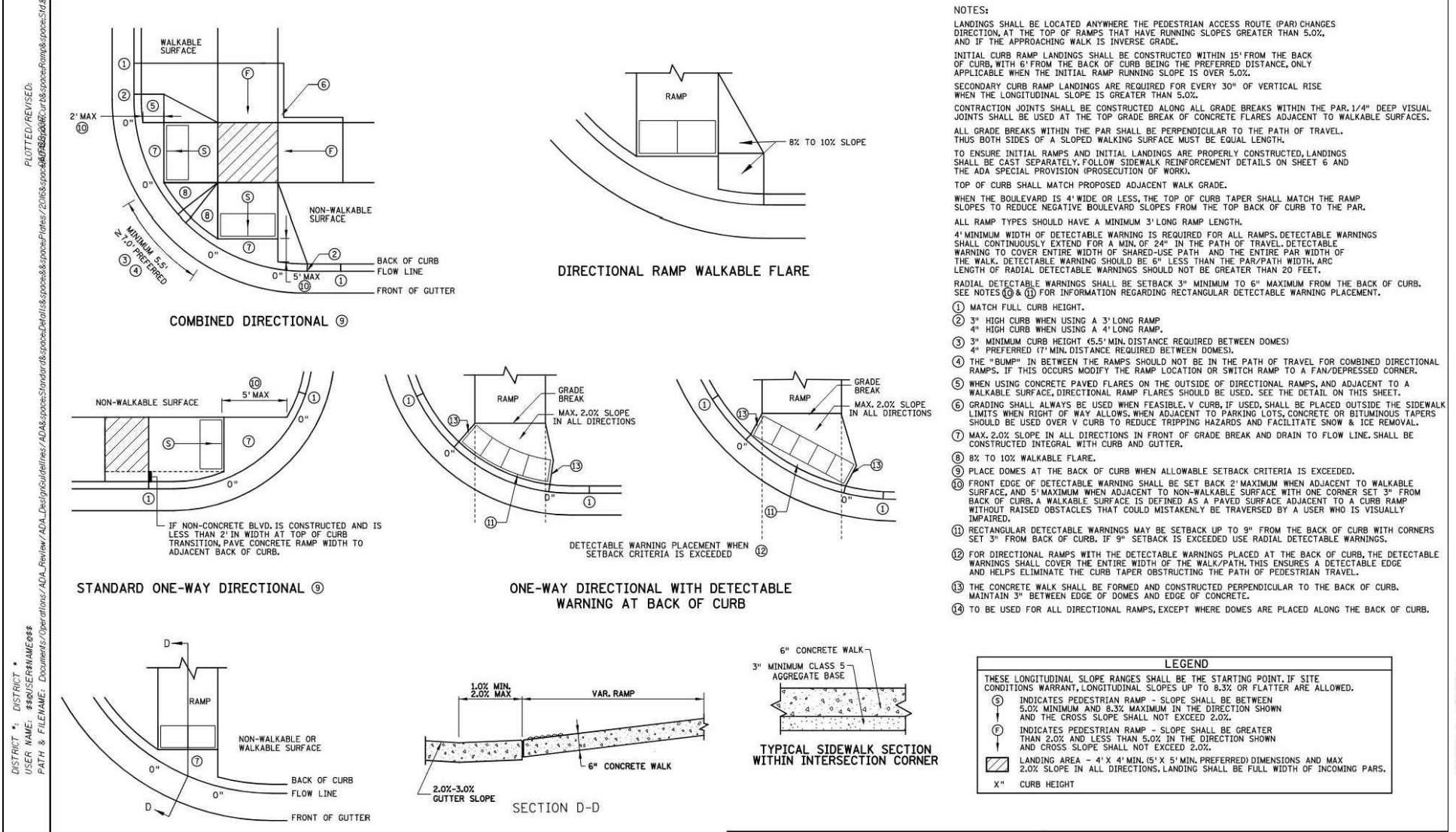
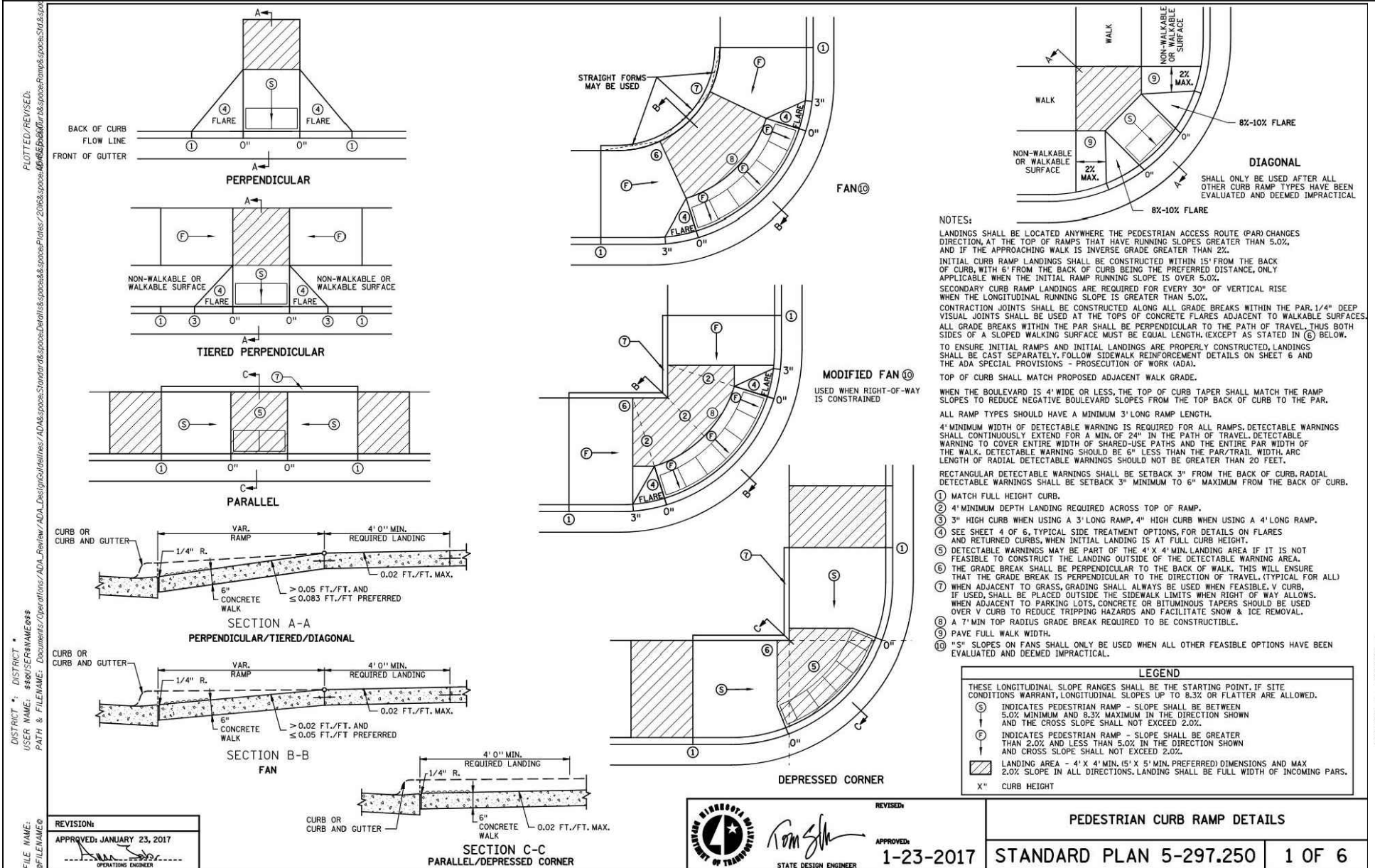
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REVISION

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CIVIL DETAILS

C6.02



GENERAL PROJECT NOTES

CONTRACT DOCUMENTS

1. THE WORK SHALL CONFORM TO THE CONTRACT DOCUMENTS.
2. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY. READ THE DRAWINGS IN CONJUNCTION WITH THE SPECIFICATIONS AND EXECUTE THE WORK.
3. THE WORK IS DEPENDENT ON SEVERAL DISCIPLINES. READ THE DRAWINGS BY CROSS-REFERENCING BETWEEN DISCIPLINES.
4. REPORT DISCREPANCIES IMMEDIATELY TO THE OWNER'S REPRESENTATIVE FOR DIRECTION BEFORE PROCEEDING WITH THE WORK.

SITE ACCESS & PROTECTION

1. STAGING AREA IS WITHIN THE CONSTRUCTION LIMITS LINE. STAGING AREA DOES NOT INCLUDE ACCESS ROUTES TO THE SITE. THE CONSTRUCTION (AND SUBSEQUENT REMOVAL & RESTORATION) OF TEMPORARY STAGING AREAS AND/OR ACCESS ROUTES SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY AND EXPENSE.
2. CONSTRUCTION RELATED VEHICLES REQUIRED FOR THE WORK EXITING AND/OR ENTERING THE SITE SHALL NOT DEPOSIT DIRT, MUD, OR OTHER DELETERIOUS MATERIALS THAT WOULD PRESENT A NUISANCE OR HAZARD TO THE PUBLIC TRAVELING ON RIGHT OF WAYS. PREVENTION AND CLEANING SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY AND EXPENSE.
3. NO WORK, EQUIPMENT OR STAGING IS PERMITTED OUTSIDE THE CONSTRUCTION LIMITS UNLESS THE CONTRACTOR HAS APPROVAL FROM AUTHORITIES. COORDINATION PERMITS AND TRAFFIC CONTROL REQUIRED SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY AND EXPENSE.
4. THE DOCUMENTS DO NOT SPECIFY SAFETY MATERIALS, EQUIPMENT, METHODS OR SEQUENCING TO PROTECT PERSONS AND PROPERTY. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY AND EXPENSE TO DIRECT AND IMPLEMENT SAFETY OPERATIONS TO PROTECT PERSONS AND PROPERTY.
5. DAMAGE TO EXISTING PAVEMENT OR TURF FROM CONSTRUCTION RELATED TRAFFIC TO AND FROM THE CONSTRUCTION LIMITS SHALL BE REPAIRED TO EQUAL OR BETTER CONDITION AT NO ADDITIONAL COST TO THE OWNER.
6. ENTRY SIGNS AND BARRICADES AT SITE ENTRANCES ARE INCIDENTAL TO TRAFFIC CONTROL. REFER TO CIVIL.

QUALITY ASSURANCE

1. EXECUTE THE WORK AND SCHEDULE INSPECTIONS IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL STANDARDS, LAWS AND REGULATIONS.
2. ENSURE SUBCONTRACTORS, MANUFACTURERS AND SUPPLIERS HAVE THE LATEST CONTRACT DOCUMENTS PRIOR TO THE SUBMITTAL OF THEIR SHOP DRAWINGS AND/OR DELEGATED DESIGN DRAWINGS.
3. REFER TO THE SPECIFICATIONS FOR REQUIRED SUBMITTALS, INSPECTIONS AND NOTICE TO PROCEED.

EXISTING CONDITIONS SURVEY

1. THE DOCUMENTS ARE BASED ON THE FOLLOWING TOPOGRAPHIC AND UTILITY SURVEY:
 - SITE BASE CAD FILES SUPPLIED BY THE OWNER.
2. UNDERGROUND UTILITY INFORMATION SHOULD BE VERIFIED BY THE CONTRACTOR AND MARKED PRIOR TO CONSTRUCTION.

UTILITIES

1. THE LOCATIONS AND SIZES OF EXISTING UTILITIES (IF SHOWN) ARE APPROXIMATE ONLY. IDENTIFY, LOCATE AND PROTECT UNDERGROUND AND OVERHEAD UTILITIES TO REMAIN.
2. COORDINATE WITH THE LOCAL UTILITY COMPANIES AND/OR AGENCIES. CALL LOCAL '811' OR REQUEST LOCATES ONLINE NO LESS THAN 48 HOURS PRIOR TO DIGGING TO LOCATE UNDERGROUND UTILITIES OR AS REQUIRED BY LOCAL REGULATIONS.
3. BE FULLY RESPONSIBLE FOR THE COST OF DAMAGES WHICH OCCUR AS A RESULT OF A FAILURE TO ACCURATELY LOCATE AND/OR RETAIN UTILITIES TO REMAIN.

LAYOUT

1. SURVEY COORDINATE BASIS: SCOTT COUNTY COORDINATES (NAD 88--1996).
2. VERIFY THE LOCATION OF EXISTING FEATURES TO REMAIN THAT CONNECT TO NEW WORK, DIMENSIONAL CLEARANCES, SETBACKS AND OFFSETS AND VERTICAL DATUM. REPORT DISCREPANCIES IMMEDIATELY TO THE OWNER'S REPRESENTATIVE FOR DIRECTION BEFORE PROCEEDING WITH THAT PORTION OF THE WORK.
3. VERIFY PREVIOUS UNDERLYING TRADEWORK CONFORMS TO THE DOCUMENTS PRIOR TO PROCEEDING WITH OVERLYING TRADEWORK. REPORT DISCREPANCIES IMMEDIATELY TO THE OWNER'S REPRESENTATIVE FOR DIRECTION BEFORE PROCEEDING WITH THAT PORTION OF THE WORK.
4. GENERAL CONTRACTOR SHALL RETAIN SURVEY CONTROL FOR LAYOUT OF THE WORKS AND AS-BUILT SURVEYS.
5. COORDINATE AND COLLATE SUBCONTRACTOR'S SURVEYS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY EXISTING SITE CONDITIONS AND EVOLVING SITE CONDITIONS PRIOR TO THE START OF SITE WORK. DISCREPANCY AND/OR UNFORESEEN CONDITIONS FOUND SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE OWNER'S REPRESENTATIVE PRIOR TO STARTING THE SITE WORK. DO NOT BEGIN WORK IN SUCH AFFECTED AREA UNTIL THE DISCREPANCY HAS BEEN RESOLVED.
6. ERECT AND INSTALL ALL WORK LEVEL, PLUMB, SQUARE, TRUE, STRAIGHT AND IN PROPER ALIGNMENT.

7. DO NOT RELY SOLELY ON SCALE FROM DRAWINGS. USE DIMENSIONS SHOWN AND/OR SUPPLIED CAD DRAWING FILE AND SURVEY INTERPOLATION.
8. DIMENSIONS NOTED "CLR" OR "CLEAR" MUST BE STRICTLY MAINTAINED ALLOWING FOR THICKNESS OF FINISHES. FIELD VERIFY PRIOR TO CONSTRUCTION.
9. ANGLES ARE 90 DEGREES UNLESS NOTED OTHERWISE.
10. CURVES FOR PAVING, BANDS, PATHS, EDGING AND HEADER BOARDS SHALL BE SMOOTH AND CONTINUOUS WITHOUT ABRUPT CHANGES, OBVIOUS TANGENTS OR BENDS.
11. PITCH EVENLY BETWEEN SPOT GRADES AND CONTOUR LINES UNLESS GRADE BREAKS, RIDGELINES, SWALES ARE INDICATED OR OTHERWISE NOTED. PAVED AREAS SHALL PITCH AT A MINIMUM OF 1% UNLESS OTHERWISE NOTED ON DRAWINGS. DISCREPANCIES OR CONDITIONS NOT ALLOWING THIS TO OCCUR SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE FOR RESOLUTIONS PRIOR TO CONTINUING WORK.
12. PEDESTRIAN SIDEWALKS AND PAVING SHALL HAVE A CROSS PITCH LESS THAN 2% UNLESS OTHERWISE NOTED TO MEET ADA REQUIREMENTS.
13. REQUEST A FIELD REVIEW BY THE LANDSCAPE ARCHITECT OF THE LAYOUT OF ELEMENTS AS SHOWN.

WORK BY OTHERS

1. COOPERATE AND COORDINATE WITH OTHER CONTRACTORS WORKING CONCURRENTLY SO AS TO NOT VIOLATE EACH OTHER'S PERMITS AND TO AVOID DAMAGE TO EACH OTHER'S WORK.
2. EACH CONTRACTOR SHALL PROTECT AND MAINTAIN THEIR OWN WORK FOR THE DURATION OF THEIR CONTRACTS.

CODE COMPLIANCE

1. WORK SHALL BE IN ACCORDANCE WITH APPLICABLE LAWS, CODES AND REQUIREMENTS OF REGULATORY AGENCIES HAVING JURISDICTION.
2. NOTIFY THE OWNER'S REPRESENTATIVE OF DISCREPANCIES BETWEEN THE WORK AND APPLICABLE CODES. DO NOT WORK IN AN AFFECTED AREA UNTIL THE DISCREPANCY HAS BEEN RESOLVED.
3. VERIFY CODES IN EFFECT AT THE TIME OF THE NOTICE TO PROCEED AND STAY CURRENT WITH CODE CHANGES WHICH AFFECT THE WORK UNTIL SUBSTANTIAL COMPLETION.
4. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN AND PAY FOR CONSTRUCTION RELATED PERMITS.

CODES IN EFFECT

1. THE FOLLOWING CODES ARE APPLICABLE AND IN EFFECT:
 - MINNESOTA STATE BUILDING CODE 2020.
 - AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)
2. REVISIONS TO THE APPROVED AND PERMITTED DRAWINGS OR DOCUMENTS SHALL BE SUBMITTED TO THE CODE AUTHORITIES FOR REVIEW. NOTIFY THE OWNER'S REPRESENTATIVE OF THE PROCESSING TIME FOR EACH REVISION SUBMITTED FOR PLAN CHECK.

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1. THE USE OF REPRODUCTIONS OF THE CONTRACT DOCUMENTS OR ELECTRONIC FILES AS SHOP DRAWING DOCUMENTS BY THE CONTRACTOR IS AT THEIR OWN RISK. THE DESIGN CONSULTANTS ASSUME NO LIABILITY AS A RESULT OF THE USE OF REPRODUCTIONS OF THE CONTRACT DOCUMENTS FOR SHOP DRAWINGS AND/OR DELEGATED DESIGN DRAWINGS.
2. THE ENTIRE CONTRACT DOCUMENT PACKAGE HEREIN IS THE ORIGINAL AND UNPUBLISHED PROPERTY OF THE OWNER AND MAY NOT BE DUPLICATED, USED OR DISCLOSED WITHOUT THE PRIOR EXPLICIT WRITTEN CONSENT.
3. THE USE OF DIGITAL DESIGN FILES SHALL REQUIRE THE CONTRACTOR TO AGREE TO PRIME CONSULTANT'S LICENSE CONDITIONS BEFORE USE.

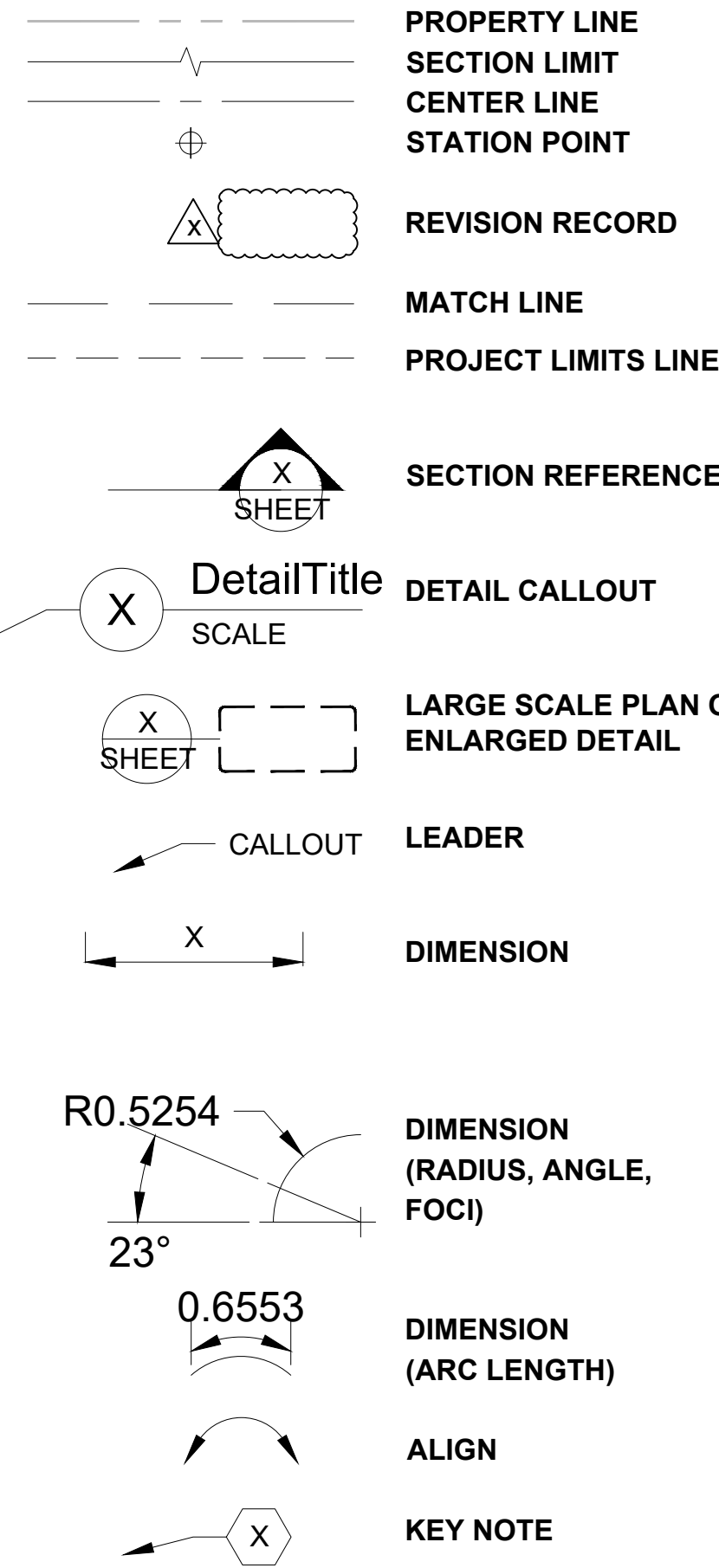
CONSTRUCTION LOADS, DAMAGES & REPAIRS

1. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR SLOPE STABILITY AND DE-WATERING DURING THE WORKS UNLESS UNKNOWN CONDITIONS ARE ENCOUNTERED.
2. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR PROTECTING THE WORKS FROM CONSTRUCTION LOADS AND DAMAGES TO EXISTING STRUCTURES TO REMAIN, NEW STRUCTURES AND NEW PAVEMENTS DURING THE WORKS.
3. BE FULLY RESPONSIBLE FOR THE COST OF DAMAGES WHICH OCCUR AS A RESULT OF A FAILURE TO MITIGATE CONSTRUCTION LOADS AND/OR PROTECT THE WORKS FROM CONSTRUCTION RELATED IMPACTS. REPAIRS SHALL BE TO A NEW OR BETTER CONDITION COMPARED TO THE EXISTING CONDITION BEFORE DAMAGE, AND AS APPROVED BY THE OWNER'S REPRESENTATIVE.
4. CONFIRM ON-STRUCTURE UNIFORM AND POINT LOAD LIMITS WITH ENGINEER PRIOR TO IMPORTING AND HANDLING LANDSCAPE MATERIALS OVER VAULTS, AND/OR TUNNELS, INCLUDING UTILITY STRUCTURES, AND FLOOD CONTROL STRUCTURES.

CONSTRUCTION WASTE MANAGEMENT

1. REMOVE FROM THE SITE EXCESS MATERIAL AND/OR DEBRIS. DISPOSAL OF MATERIALS IS THE RESPONSIBILITY OF THE CONTRACTOR. EXCESS MATERIAL AND/OR DEBRIS UNABLE TO BE RECYCLED OR REUSED SHALL BE DISPOSED OF OFF THE PROJECT SITE IN A PERMITTED LANDFILL.

SYMBOLS



ABBREVIATIONS

APPROX AVG	APPROXIMATE AVERAGE	PB	PULL BOX
BLDG	BUILDING	PC	POINT OF CURVE
BM	BENCHMARK	PCC	PRECAST CONCRETE
BOS	BOTTOM OF STAIR	PERF	PERFORATED
BOT	BOTTOM	PERP	PERPENDICULAR
BOC	BOTTOM OF CURB	pH	ACID/ALKALINE SCALE
BOW	BOTTOM OF WALK	PH	PHASE
		PI	POINT OF INTERSECTION
		PKG	PACKAGE
		PL	PROPERTY LINE
		PLBG	PLUMBING
		PRCST	PRECAST
		PREFAB	PREFABRICATE
		PROV	PROVISIONAL
		PVC	POLYVINYL CHLORIDE
		PWR	POWER
		QTR	QUARTER
		QTY	QUANTITY
		R	RADIUS
		RCP	REINFORCED CONCRETE PIPE
		RECIRC	RECIRCULATE
		RECPT	RECEPTACLE
		REINF	REINFORCE
		REQD	REQUIRED
		REV	REVISION
		RLG	RAILING
		ROW	RIGHT OF WAY
		S	SOUTH
		SALV	SALVAGE
		SEG	SEGMENT
		SHT	SHEET
		SIM	SIMILAR
		SPEC	SPECIFICATION
		SQ	SQUARE
		SSD	SUBSOIL DRAIN
		SST	STAINLESS STEEL
		STA	STATION
		STD	STANDARD
		SUCT	SUCTION
		T	TRANSFORMER
		TAN	TANGENT
		TBD	TO BE DETERMINED
		TB-XX	TEST BORING
		TD	TRENCH DRAIN
		TEMP	TEMPORARY
		THK	THICKNESS
		THRU	THROUGH
		TO_	TOP OF _
		TOC	TOP OF CURB
		TOL	TOLERANCE
		TOS	TOP OF SLOPE
		TOW	TOP OF WALL
		TR	TRASH
		TS	TOP OF STAIR
		TYP	TYPICAL
		UGND	UNDERGROUND
		UNIF	UNIFORM
		UP	UTILITY POLE
		UV	ULTRAVIOLET
		VAR	VARIES
		VERT	VERTICAL
		VRFY	VERIFY
		W	WEST
		W/	WITH
		W/O	WITHOUT
		WL	WATERLINE
		WLD	WELDED
		WT.EL	WATER ELEVATION
		XFMR	TRANSFORMER
		YR	YEAR
		@	AT
		&	AND
		- / +	DIMENSION TOLERANCE
		IJ	ISOLATION JOINT
		HW	HIGH WATER
		NP	NORMAL POOL
		GB	GRADE BREAK
		ON	ON CENTER
		OD	OUTSIDE DIAMETER
		OH	OVERHANG

60% PRICING SET

NORTHFIELD BRIDGE SQUARE

NORTHFIELD, MN

I hereby certify that this document was prepared by me or under my direct supervision and that I am a duly licensed Landscape Architect under the laws of the State of Minnesota.

Name Tom Whitlock

Registration# 26292

Signature Date

09/26/2023

DF/ Project # 22-184

Scale AS SHOWN

Drawn/Checked RP/AG/BE/RB

REVISION --

NOT FOR
CONSTRUCTION

GENERAL NOTES, ABBREVIATIONS & SYMBOLS

L001

EXISTING CONDITIONS & SITE REMOVAL NOTES

SITE REMOVAL NOTES

- EXISTING SITE INFORMATION WAS PROVIDED BY OTHERS. ACTUAL FIELD CONDITIONS MAY VARY. FIELD VERIFY UTILITY LOCATIONS AND ELEVATIONS PRIOR TO CONSTRUCTION.
- THE LOCATIONS OF EXISTING UTILITIES SHOWN ON THIS PLAN HAVE BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE LANDSCAPE ARCHITECT ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY. PRIOR TO THE START OF DEMOLITION ACTIVITY, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES FOR ONSITE LOCATIONS OF EXISTING UTILITIES. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT EXISTING UTILITIES OR STRUCTURES LOCATED AT THE WORK SITE.
- CONTRACTOR TO VERIFY THE LOCATION OF UNDERGROUND UTILITIES PRIOR TO BEGINNING ANY CONSTRUCTION BY CALLING GOPHER STATE ONE-CALL AT 651-454-0002 (METRO) OR 1-800-252-1166 (OUT-STATE).
- THE CONTRACTOR SHALL COORDINATE WITH RESPECTIVE UTILITY COMPANIES PRIOR TO THE REMOVAL AND/OR RELOCATION OF UTILITIES. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANY CONCERNING PORTIONS OF WORK WHICH MAY BE PERFORMED BY UTILITY COMPANY'S FORCES AND FEES WHICH ARE TO BE PAID TO THE UTILITY COMPANY FOR THEIR SERVICES. THE CONTRACTOR IS RESPONSIBLE FOR PAYING FEES AND CHARGES.
- ALWAYS VERIFY BENCHMARK ELEVATIONS BETWEEN TWO BENCHMARKS.
- REMOVAL ITEMS BECOME THE PROPERTY OF THE CONTRACTOR UNLESS SPECIFIED OTHERWISE. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING DEBRIS FROM THE SITE AND DISPOSING THE DEBRIS IN A LAWFUL MANNER PER LOCAL GOVERNING AGENCIES. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING PERMITS REQUIRED FOR DEMOLITION AND DISPOSAL. FACILITIES TO BE REMOVED SHALL BE UNDERCUT TO SUITABLE MATERIAL AND BROUGHT TO GRADE WITH SUITABLE COMPACTED FILL MATERIAL PER THE SPECIFICATIONS.
- PRIOR TO DEMOLITION, EROSION CONTROL DEVICES ARE TO BE INSTALLED WHERE NECESSARY AND OBTAIN AN NPDES STORM WATER PERMIT. REFER TO CIVIL FOR EROSION CONTROL.
- DAMAGE TO REMAINING EXISTING CONDITIONS WILL BE REPLACED AT CONTRACTOR'S EXPENSE AND SHALL BE EQUAL TO OR EXCEED THE QUALITY OF CONSTRUCTION PRIOR TO DAMAGE.
- CONCRETE PAVEMENT, SIDEWALKS, CURB AND GUTTER, AND OTHER POURED CONCRETE ITEMS ARE TO BE REMOVED TO AN EXISTING EXPANSION OR CONTRACTION JOINT.
- CONTRACTOR SHALL LIMIT SAW-CUT AND PAVEMENT REMOVAL TO ONLY THOSE AREAS WHERE IT IS REQUIRED AS SHOWN ON THESE CONSTRUCTION PLANS. IF DAMAGE IS INCURRED ON THE SURROUNDING PAVEMENT, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ITS REMOVAL AND REPAIR AT NO ADDITIONAL COST TO THE OWNER. BITUMINOUS PAVEMENT REMOVALS ARE TO BE MADE WITH A VERTICAL SAW CUT OR TO A NEAT MILLED EDGE.
- CONTRACTOR SHALL PRESERVE VEGETATION NOT TO BE REMOVED BY CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR RE-SEEDING OR SODDING AREAS DISTURBED BY CONSTRUCTION.
- LOCATION AND ELEVATIONS OF IMPROVEMENTS TO BE MET (OR AVOIDED) SHALL BE CONFIRMED BY THE CONTRACTOR THROUGH FIELD EXPLORATIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL REPORT TO THE LANDSCAPE ARCHITECT DISCREPANCIES BETWEEN THEIR MEASUREMENTS AND THESE PLANS. CONTRACTOR SHALL ALSO MAKE EXPLORATION EXCAVATIONS AND LOCATE EXISTING UNDERGROUND UTILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO PLANS IF REVISIONS ARE NECESSARY BECAUSE OF ACTUAL LOCATION OF EXISTING FACILITIES. CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND OTHER EXISTING LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.
- EXISTING UTILITIES TO REMAIN IN PLACE UNLESS SPECIFICALLY MARKED ON THIS SHEET.

SITE AND LANDSCAPE NOTES

SITE PREPARATION NOTES

- CONTRACTOR SHALL INSPECT THE SITE AND BECOME FAMILIAR WITH EXISTING CONDITIONS RELATING TO THE NATURE AND SCOPE OF WORK.
- CONTRACTOR SHALL VERIFY PLAN LAYOUT AND BRING TO THE ATTENTION OF THE LANDSCAPE ARCHITECT DISCREPANCIES WHICH MAY COMPROMISE THE DESIGN OR INTENT OF THE LAYOUT.
- CONTRACTOR SHALL ASSURE COMPLIANCE WITH APPLICABLE CODES AND REGULATIONS GOVERNING THE WORK AND MATERIALS SUPPLIED.
- CONTRACTOR SHALL PROTECT EXISTING ROADS, CURBS/GUTTERS, TRAILS, TREES, LAWNS AND SITE ELEMENTS DURING CONSTRUCTION OPERATIONS. DAMAGE TO SAME SHALL BE REPAIRED AT NO ADDITIONAL COST TO THE OWNER.
- CONTRACTOR SHALL VERIFY ALIGNMENT AND LOCATION OF UNDERGROUND AND ABOVE GRADE UTILITIES AND PROVIDE THE NECESSARY PROTECTION FOR SAME BEFORE CONSTRUCTION BEGINS (MINIMUM 10' CLEARANCE).
- CONTRACTOR SHALL COORDINATE THE PHASES OF CONSTRUCTION AND PLANTING INSTALLATION WITH OTHER CONTRACTORS WORKING ON SITE.
- UNDERGROUND UTILITIES SHALL BE INSTALLED SO THAT TRENCHES DO NOT CUT THROUGH ROOT SYSTEMS OF EXISTING TREES TO REMAIN.
- EXISTING CONTOURS, TRAILS, VEGETATION, CURB/GUTTER AND OTHER ELEMENTS ARE BASED UPON INFORMATION SUPPLIED TO THE LANDSCAPE ARCHITECT BY OTHERS. CONTRACTOR SHALL VERIFY DISCREPANCIES PRIOR TO CONSTRUCTION AND NOTIFY LANDSCAPE ARCHITECT OF SAME.
- HORIZONTAL AND VERTICAL ALIGNMENT OF PROPOSED WALKS, TRAILS OR ROADWAYS ARE SUBJECT TO FIELD ADJUSTMENT REQUIRED TO CONFORM TO LOCALIZED TOPOGRAPHIC CONDITIONS AND TO MINIMIZE TREE REMOVAL AND GRADING. CHANGES IN ALIGNMENT AND GRADES MUST BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO IMPLEMENTATION.
- CONTRACTOR SHALL REVIEW THE SITE FOR DEFICIENCIES IN SITE CONDITIONS WHICH MIGHT NEGATIVELY AFFECT PLANT ESTABLISHMENT, SURVIVAL OR WARRANTY. UNDESIRABLE SITE CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT PRIOR TO COMMENCEMENT OF WORK.
- CONTRACTOR IS RESPONSIBLE FOR ONGOING MAINTENANCE OF NEWLY INSTALLED MATERIALS UNTIL TIME OF SUBSTANTIAL COMPLETION. REPAIR OF ACTS OF VANDALISM OR DAMAGE WHICH MAY OCCUR PRIOR TO SUBSTANTIAL COMPLETION SHALL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR.
- EXISTING TREES OR SIGNIFICANT SHRUB MASSINGS FOUND ON SITE SHALL BE PROTECTED AND SAVED UNLESS NOTED TO BE REMOVED OR ARE LOCATED IN AN AREA TO BE GRADED. QUESTIONS REGARDING EXISTING PLANT MATERIAL SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT PRIOR TO REMOVAL.
- EXISTING TREES TO REMAIN, UPON DIRECTION OF LANDSCAPE ARCHITECT, SHALL BE FERTILIZED AND PRUNED TO REMOVE DEAD WOOD, DAMAGED AND RUBBING BRANCHES.
- CONTRACTOR SHALL PREPARE AND SUBMIT A WRITTEN REQUEST FOR THE SUBSTANTIAL COMPLETION INSPECTION OF LANDSCAPE AND SITE IMPROVEMENTS PRIOR TO SUBMITTING FINAL PAY REQUEST.
- CONTRACTOR SHALL PREPARE AND SUBMIT REPRODUCIBLE AS-BUILT DRAWING(S) OF LANDSCAPE INSTALLATION, IRRIGATION AND SITE IMPROVEMENTS UPON COMPLETION OF CONSTRUCTION INSTALLATION AND PRIOR TO SUBSTANTIAL COMPLETION.
- SYMBOLS ON PLAN DRAWING TAKE PRECEDENCE OVER SCHEDULES IF DISCREPANCIES IN QUANTITIES EXIST. SPECIFICATIONS AND DETAILS TAKE PRECEDENCE OVER NOTES.

SOIL TESTING

- CONTRACTOR SHALL OBTAIN A SOIL SAMPLE(S) FROM PROJECT SITE AND/OR SALVAGED TOPSOIL STOCKPILE AND SUBMIT TO INDEPENDENT TESTING AGENCY. ANALYSIS AND RECOMMENDATIONS FOR (INCLUDING BUT NOT LIMITED TO) MACRONUTRIENTS, MICRONUTRIENTS, COMPOSITION AND SOLUBLE SALTS SHALL BE PROVIDED.
- CONTRACTOR SHALL PROVIDE TWO SERIES OF TESTS: FIRST, PRIOR TO CONSTRUCTION; SECOND, AFTER SOIL IS AMENDED, PRIOR TO PLANTING.
- CONTRACTOR SHALL PROVIDE ANALYSIS RESULTS AND RECOMMENDATIONS TO THE LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO SOIL AMENDMENT AND PRIOR TO PLANTING.

GRADING

- ROUGH GRADING AND FINISHED GRADING TO BE DONE BY OTHERS EXCEPT WHERE NOTED.
- GRADING LIMITS ARE DEFINED AS THE JUNCTURE OF PROPOSED GRADE WITH EXISTING GRADE UNLESS NOTED OTHERWISE.
- GRADING LIMITS AND LIMITS OF WORK SHOWN ON PLAN ARE ONLY APPROXIMATE AND MAY BE ADJUSTED IN FIELD BY LANDSCAPE ARCHITECT. WORK OUTSIDE OF THESE LIMITS WILL BE DONE AT LANDSCAPE CONTRACTORS EXPENSE UNLESS DIRECTED BY LANDSCAPE ARCHITECT OR OWNER IN WRITING.

- FILL/CUT AS NECESSARY TO PROVIDE A 1% MINIMUM GRADE AWAY FROM BUILDINGS WITHIN LIMITS OF CONSTRUCTION.
- SALVAGE TOPSOIL FROM THE EARTHWORK AREAS AS APPROPRIATE OR AS INDICATED ON PLANS AND STOCKPILE FOR REUSE.
- MAINTAIN A UNIFORM GRADE BETWEEN CONTOURS IN AREAS TO BE GRADED UNLESS NOTED OTHERWISE.
- ELEVATIONS, IF SHOWN ARE FINISHED ELEVATIONS. SPOT ELEVATIONS TAKE PRECEDENCE OVER CONTOURS.
- ADD EROSION CONTROL MEASURES IF GRADES GREATER THAN 3:1 OR IF CONDITIONS WARRANT. REFER TO MNDOT SPECIFICATIONS FOR EROSION CONTROL.
- CONTRACTOR SHALL CONTACT PUBLIC UTILITIES FOR LOCATION OF UNDERGROUND WIRES, CABLES, CONDUITS, PIPES, MANHOLES, VALVES OR OTHER BURIED STRUCTURES BEFORE DIGGING. LANDSCAPE CONTRACTOR SHALL REPAIR OR REPLACE THE ABOVE IF DAMAGED DURING CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER.
- CONTRACTOR SHALL PROVIDE PROPER EROSION CONTROL MEASURES AS REQUIRED TO ENSURE THAT EROSION IS KEPT TO AN ABSOLUTE MINIMUM.
- PROVIDE TEMPORARY COVERING FOR CATCH BASINS AND MAN HOLES UNTIL FINISHED GRADING IS COMPLETE.
- CONTRACTOR SHALL CONSTRUCT DRAINAGE BASINS AS NEEDED.
- PERIMETER SILT FENCE AND ROCK CONSTRUCTION ENTRANCES SHALL BE INSTALLED PRIOR TO CONSTRUCTION. REFER TO STATE SPECIFICATIONS FOR AGGREGATE BASE AND SILT FENCE.
- CONTRACTOR SHALL INSTALL CATCH BASIN EROSION CONTROL MEASURES PER LOCAL POLLUTION CONTROL AGENCY AND SPECIFICATIONS.
- WITHIN TWO WEEKS OF FINISHED SITE GRADING, DISTURBED AREAS SHALL BE STABILIZED WITH SEED, SOD, MULCH OR ROCK BASE.
- CONTRACTOR SHALL MAINTAIN EROSION CONTROL MEASURES, INCLUDING THE REMOVAL OF ACCUMULATED SILT IN FRONT OF SILT FENCES AND EXCESS SEDIMENT IN PROPOSED CATCH BASINS, FOR THE DURATION OF CONSTRUCTION.
- CONTRACTOR SHALL REMOVE EROSION CONTROL MEASURES AFTER VEGETATION IS ESTABLISHED AND DISPOSE OF OFF SITE.
- CONTRACTOR SHALL ENSURE THAT SOIL CONDITIONS AND COMPACTION ARE ADEQUATE TO ALLOW FOR PROPER DRAINAGE AROUND THE CONSTRUCTION SITE. UNDESIRABLE CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT PRIOR TO BEGINNING OF WORK. IT SHALL BE THE LANDSCAPE CONTRACTOR'S RESPONSIBILITY TO ENSURE PROPER SURFACE AND SUBSURFACE DRAINAGE IN PLANTING AREAS.

PLANTING

- SPRING PLANT MATERIAL INSTALLATION IS FROM APRIL 15 TO JUNE 15.
- FALL CONIFEROUS PLANTING IS ACCEPTABLE FROM AUGUST 21 TO SEPTEMBER 30.
- FALL DECIDUOUS PLANTING IS ACCEPTABLE FROM AUGUST 15 UNTIL NOVEMBER 15.
- ADJUSTMENTS TO PLANTING DATES MUST BE APPROVED IN WRITING BY THE LANDSCAPE ARCHITECT.
- STAKE PROPOSED PLANTING LOCATIONS PER PLAN FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO INSTALL.
- PLANT MATERIAL SHALL COMPLY WITH THE CURRENT EDITION OF THE AMERICAN STANDARD FOR NURSERY STOCK, ANSI Z60.1. UNLESS NOTED OTHERWISE, DECIDUOUS SHRUBS SHALL HAVE AT LEAST 5 CANES AT THE SPECIFIED HEIGHT. ORNAMENTAL TREES SHALL HAVE NO 'V' CROTCHES AND SHALL BEGIN BRANCHING NO LOWER THAN 3' FEET ABOVE THE ROOT BALL. STREET AND BOULEVARD TREES SHALL BEGIN BRANCHING NO LOWER THAN 6' ABOVE PAVED SURFACE.
- INSTALL PLANT MATERIAL AFTER FINAL GRADING AND CONSTRUCTION HAS BEEN COMPLETED IN THE IMMEDIATE AREA.
- INSTALL PLANT MATERIALS PER PLANTING DETAILS.
- SUBSTITUTION REQUESTS FOR PLANT MATERIAL TYPE & SIZE SHALL BE SUBMITTED TO THE LANDSCAPE ARCHITECT FOR CONSIDERATION PRIOR TO BIDDING. SUBSTITUTIONS AFTER BIDDING MUST BE APPROVED BY LANDSCAPE ARCHITECT AND ARE SUBJECT TO CONTRACT ADJUSTMENTS.
- ADJUSTMENTS IN LOCATION OF PROPOSED PLANT MATERIALS MAY BE NEEDED IN FIELD. LANDSCAPE ARCHITECT MUST BE NOTIFIED PRIOR TO ADJUSTMENT OF PLANTS.
- FERTILIZE PLANT MATERIALS IN ACCORDANCE WITH SOIL TEST RECOMMENDATIONS. (FERTILIZE PLANT MATERIAL UPON INSTALLATION WITH DRIED BONE MEAL AND OTHER APPROVED FERTILIZER MIXED IN WITH THE PLANTING SOIL (PER THE MANUFACTURER'S INSTRUCTIONS) OR TREAT FOR SUMMER AND FALL INSTALLATION WITH AN APPLICATION OF GRANULAR 10-0-5 OF 12 OZ. PER 2.5" CALIPER TREE AND 6 OZ. PER SHRUB WITH AN ADDITIONAL APPLICATION OF 10-0-10 THE FOLLOWING SPRING IN THE TREE SAUCER.)
- INSTALL 18" DEPTH OF PLANTING SOIL IN AREAS RECEIVING GROUND COVER, PERENNIALS, AND ANNUALS. PLANTING SOIL SHALL CONSIST OF MNDOT 3877-B MODIFIED TO CONTAIN A MAXIMUM OF 30% SAND, A PH OF 7.1 MAX. OR AS OTHERWISE SPECIFIED IN THE PROJECT SPECIFICATIONS MANUAL.
- [TREE WRAPPING MATERIAL SHALL BE PAPER APPLIED FROM TRUNK FLARE TO FIRST BRANCH. WRAP SMOOTH-BARKED DECIDUOUS TREES PLANTED IN THE FALL PRIOR TO DECEMBER 1 AND REMOVE

WRAPPING AFTER MAY 1.] [DO NOT WRAP TREES.]

- APPLY PRE-EMERGENT HERBICIDE (PREEN OR APPROVED EQUAL) IN ANNUAL, PERENNIAL, AND SHRUB BEDS FOLLOWED BY SHREDDED HARDWOOD MULCH. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION REGARDING USE OF HERBICIDES.

MULCHING

- INSTALL [4" DEEP FINELY SHREDDED HARDWOOD MULCH] RINGS AT CONIFEROUS & DECIDUOUS TREES WITH NO MULCH IN DIRECT CONTACT WITH TREE TRUNK.
- INSTALL [3" DEEP FINELY SHREDDED HARDWOOD MULCH] RINGS AT SHRUB PLANTING AREAS WITH NO MULCH IN DIRECT CONTACT WITH SHRUB STEMS.
- INSTALL [3" DEEP FINELY SHREDDED MULCH] IN PERENNIAL PLANTING BEDS. REMOVE ALL MULCH FROM STEMS OF PERENNIALS; PLANT STEMS SHOULD NOT BE IN DIRECT CONTACT WITH MULCH.

WATERING

- PLANTED MATERIALS SHALL BE WATERED BY TEMPORARY MEANS UNTIL PLANTS ARE ESTABLISHED.
- TEMPORARY WATERING MEANS, METHODS, AND SCHEDULING SHALL BE THE CONTRACTOR'S RESPONSIBILITY. REMOVE TEMPORARY WATERING EQUIPMENT UPON PLANT ESTABLISHMENT.

WARRANTY

- WARRANTY NEW PLANT MATERIAL THROUGH ONE CALENDAR YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION. NO PARTIAL ACCEPTANCE WILL BE CONSIDERED.

TURF NOTES

- SOD AREAS DISTURBED DUE TO GRADING UNLESS NOTED OTHERWISE.
- WHERE SOD ABUTS PAVED SURFACES, FINISHED GRADE OF SOD/SEED SHALL BE HELD 1" BELOW SURFACE ELEVATION OF TRAIL, SLAB, CURB, ETC.
- SOD SHALL BE LAID PARALLEL TO THE CONTOURS AND SHALL HAVE STAGGERED JOINTS. ON SLOPES STEEPER THAN 3:1 OR IN DRAINAGE SWALES, SOD SHALL BE STAKED SECURELY [WITH WOODEN STAKES; NO METAL STAKES ARE ALLOWED].
- UNLESS NOTED OTHERWISE, THE APPROPRIATE DATES FOR SPRING SEED & SOD PLACEMENT IS FROM THE TIME GROUND HAS THAWED TO JUNE 15.
- FALL SODDING IS ACCEPTABLE FROM AUGUST 15 TO NOVEMBER 1. FALL SEEDING IS ACCEPTABLE FROM AUGUST 15 TO SEPTEMBER 15. ADJUSTMENTS TO SOD/SEED PLANTING DATES MUST BE APPROVED IN WRITING BY THE LANDSCAPE ARCHITECT.
- NO SOD NETTING ALLOWED ON SITE.

IRRIGATION NOTES

- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AN IRRIGATION LAYOUT PLAN AND SPECIFICATION THAT MEETS THE REQUIREMENTS OF THE PROVIDED PERFORMANCE SPECIFICATION AS PART OF THE SCOPE OF WORK. SUBMIT LAYOUT PLAN AND SPECIFICATIONS FOR APPROVAL BY THE LANDSCAPE ARCHITECT PRIOR TO ORDER AND/OR CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT SODDED/SEEDED AND PLANTED AREAS ARE IRRIGATED PROPERLY, INCLUDING THOSE AREAS DIRECTLY AROUND AND ABUTTING BUILDING FOUNDATION.
- CONTRACTOR SHALL FIELD VERIFY WATER SUPPLY, VOLUME, PRESSURE AND LOCATION FOR SYSTEM TAP PRIOR TO SYSTEM DESIGN.
- [CONTRACTOR SHALL FIELD VERIFY AND INSPECT EXISTING IRRIGATION SYSTEM LAYOUT, EQUIPMENT, CONDITION AND OPERABILITY PRIOR TO SYSTEM DESIGN.]
- CONTRACTOR SHALL CONFIRM COMPLETE LIMITS OF IRRIGATION WITH LANDSCAPE ARCHITECT PRIOR TO SUPPLYING SHOP DRAWINGS.
- CONTRACTOR SHALL CONTACT LANDSCAPE ARCHITECT FOR INSPECTION AND APPROVAL OF AREAS RECEIVING DRIP IRRIGATION PRIOR TO INSTALLATION OF MULCH.
- CONTRACTOR SHALL PROVIDE THE OWNER AND LANDSCAPE ARCHITECT WITH AS-BUILT DRAWINGS, DETAILED SYSTEM OPERATION INSTRUCTIONS AND AN IRRIGATION SCHEDULE APPROPRIATE TO THE PROJECT SITE CONDITIONS AND PLANTED MATERIAL GROWTH REQUIREMENTS.

60% PRICING SET

NORTHFIELD BRIDGE SQUARE NORTHFIELD, MN

I hereby certify that this document was prepared by me or under my direct supervision and that I am a duly licensed Landscape Architect under the laws of the State of Minnesota.

Name Tom Whitlock
Registration# 26292

Signature Date

09/26/2023

DF/ Project # 22-184

Scale AS SHOWN

Drawn/Checked RP/AG/BE/RB

REVISION --

NOT FOR
CONSTRUCTION

LANDSCAPE NOTES

L002

TREE PRESERVATION NOTES

- REFER TO CIVIL FOR DEMOLITION & REMOVALS PLAN.
- EXISTING TREE LOCATIONS & QUANTITIES SHOWN ON PLAN ARE APPROXIMATE & TO BE VERIFIED IN FIELD.** SURVEYED TREES INCLUDE TREES LARGER THAN 6". SMALLER TREES EXIST ON SITE AND IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO FAMILIARIZE THEMSELVES WITH EXTENTS OF EXISTING VEGETATION.
- REMOVE DEBRIS FROM TREE PROTECTION ZONES. RESTORE ROOT ZONES WHERE SOIL COMPACTION HAS OCCURRED OUTSIDE OF TREE PROTECTION ZONE BUT WITHIN DRIPLINE OF TREES- USE AIR SPADE TO DECOMPACT. REFER TO SPECIFICATIONS.
- TREE PROTECTION AND EROSION CONTROL MEASURES ARE TO BE INSTALLED PRIOR TO DEMOLITION AND SHALL BE MAINTAINED FOR THE DURATION OF THE CONSTRUCTION PERIOD. MAINTAIN TREE PROTECTION ZONES TO BE FREE OF CONSTRUCTION DEBRIS AND TRASH.
- PROTECT ROOT ZONES FROM COMPACTION DURING CONSTRUCTION ACTIVITIES. RESTORE ROOT ZONES WHERE SOIL COMPACTION HAS OCCURRED OUTSIDE OF TREE PROTECTION ZONE BUT WITHIN DRIPLINE OF TREES- USE AIR SPADE TO DECOMPACT. REFER TO SPECIFICATIONS
- DO NOT DISTURB ROOT ZONES OF TREES TO BE PRESERVED.** WHERE WORK IS TO OCCUR WITHIN DRIPLINE OF TREE, PROVIDE CLEAN ROOT CUTTING & ROOT ZONE PROTECTION.
- FOR TREES DAMAGED DURING CONSTRUCTION, THE OWNER SHALL BE COMPENSATED A MONETARY VALUE AS DETERMINED BY AN ISA CERTIFIED ARBORIST PER "THE GUIDE FOR PLANT APPRAISAL, 10TH EDITION

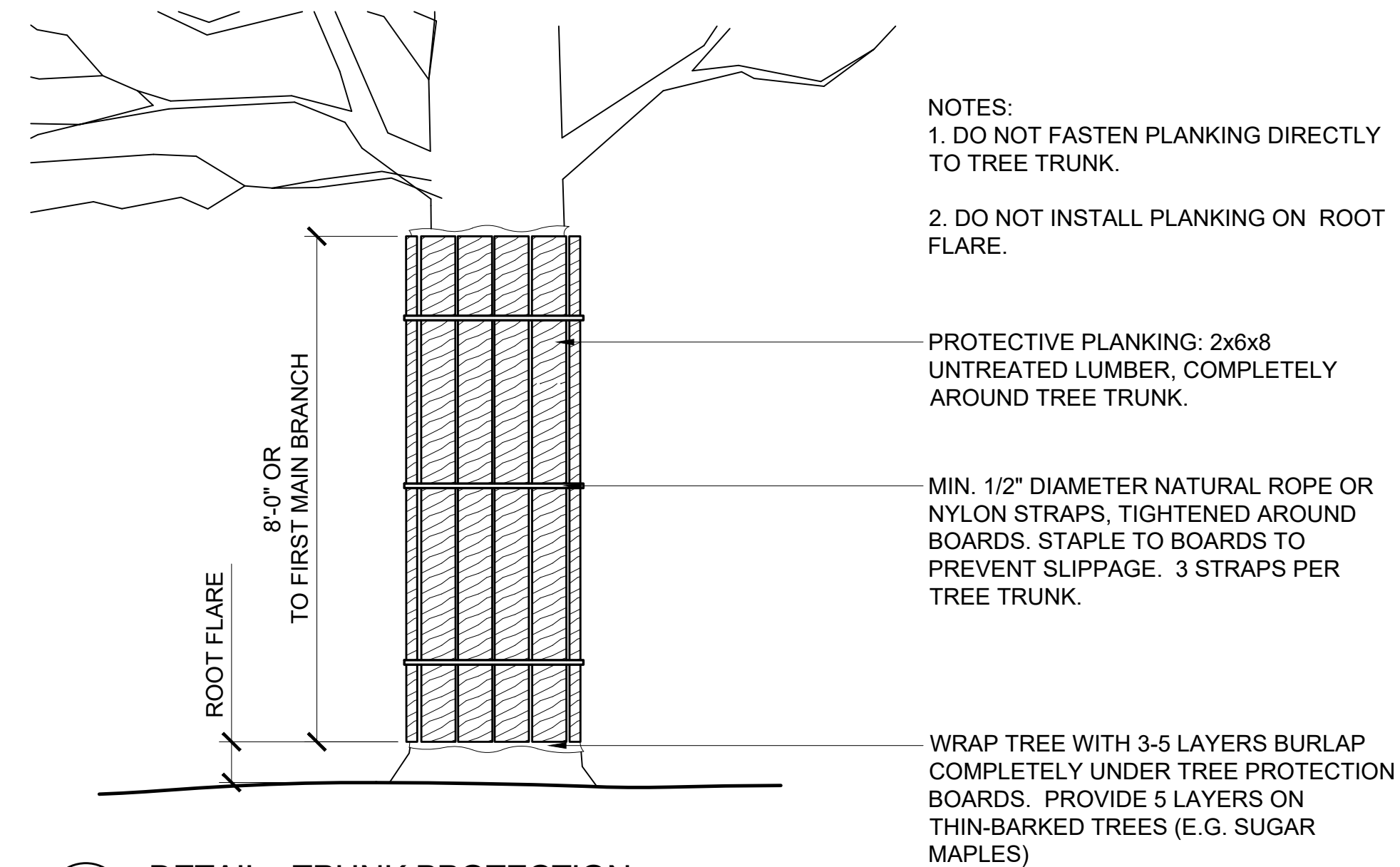
TREE PROTECTION

- PRESERVE TREES SHOWN IN THE DRAWINGS TO BE PROTECTED AND PRESERVED. INSTALL TREE PROTECTION MEASURES PER DETAILS & SPECIFICATIONS.
- INSTALL TREE PROTECTION MEASURES ARE TO BE INSTALLED PRIOR TO DEMOLITION AND SHALL BE MAINTAINED FOR THE DURATION OF THE CONSTRUCTION PERIOD.
- UNAUTHORIZED WORK SHALL OCCUR IN TREE PROTECTION ZONES.
- PROVIDE CLEAN ROOT CUTTING OF ROOTS 1/2" DIA OR LARGER ENCOUNTERED DURING EXCAVATION. PROTECT EXPOSED CUT ENDS OF ROOTS USING 4" LAYER OF SHREDDED HARDWOOD MULCH.

- REFER TO PLANS FOR LOCATIONS OF ROOT PRUNING ACTIVITIES. ROOT PRUNING SHALL BE PERFORMED BY ISA CERTIFIED ARBORIST.
- TAKE PRECAUTIONS TO MINIMIZE DAMAGE TO TREES WHERE WORK IS DESIGNATED TO OCCUR WITHIN AND ADJACENT TO THE DRIPLINE OF TREES. REFER TO TREE PROTECTION DETAILS FOR TREE PROTECTION FENCE, AND TRUNK PROTECTION.
- WORK OUTSIDE OF TREE PROTECTION FENCING BUT WITHIN DRIPLINE OF TREES SHALL BE COMPLETED USING HAND OPERATED EQUIPMENT ONLY TO MINIMIZE DAMAGE TO ROOT SYSTEMS.
 - PROTECT TRUNK AND BRANCHES FROM DAMAGE WHERE WORK IS DESIGNATED TO OCCUR WITHIN THE DRIPLINE OF TREES AND USE HAND OPERATED EQUIPMENT ONLY. PROVIDE TRUNK PROTECTION AT SELECTION LOCATIONS PER DETAILS.
- CONTRACTOR SHALL NOT PLACE TEMPORARY STRUCTURES OR STORE MATERIALS IN TREE PROTECTION ZONES OR WITHIN THE DRIPLINE OF TREES.

ROOT PROTECTION

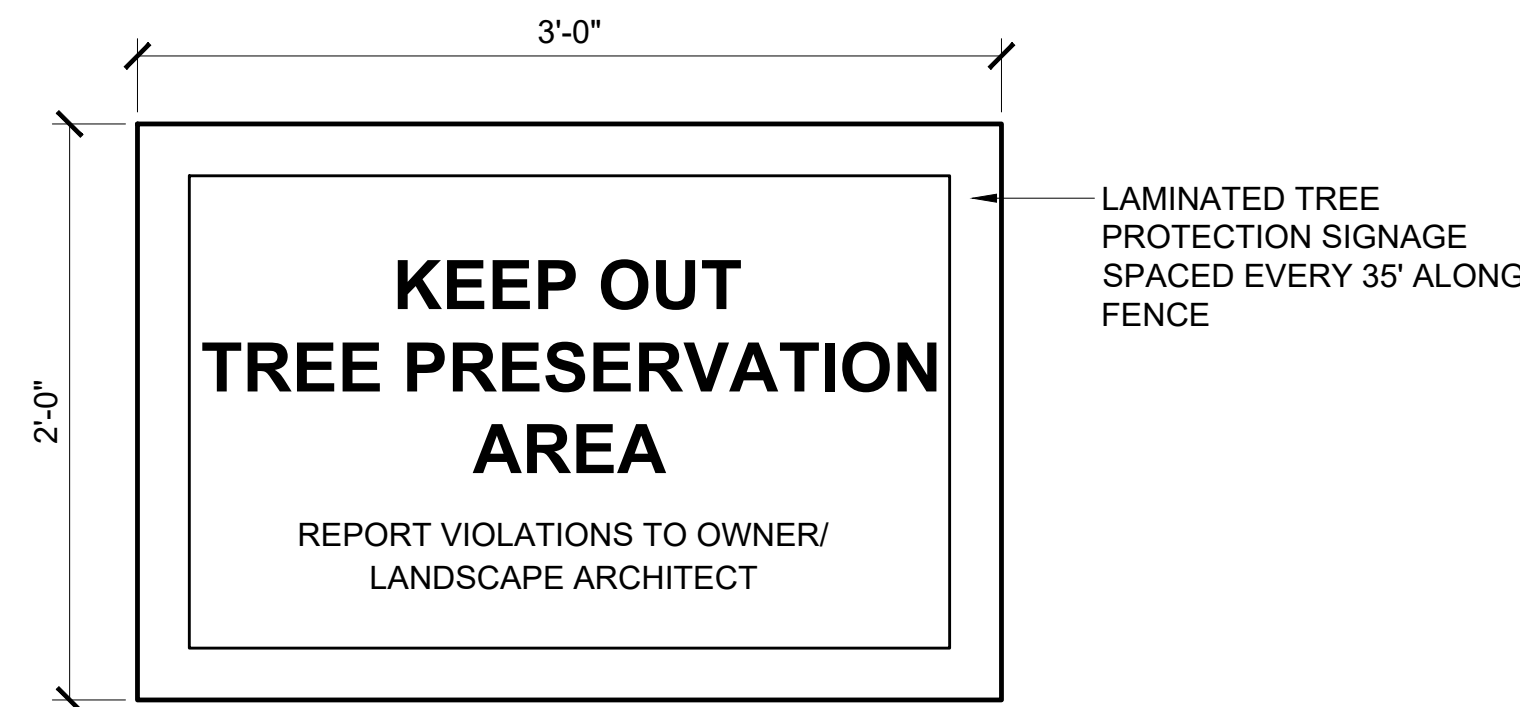
- IN AREAS WHERE WORK OCCURS WITHIN DRIPLINE OF TREES AND IDENTIFIED AS ROOT PROTECTION ZONES, CONTRACTOR SHALL USE EXTRA PRECAUTION TO MINIMIZE DISTURBANCE TO ROOTS DURING CONSTRUCTION ACTIVITIES.
- PROVIDE 4" LAYER OF SHREDDED HARDWOOD MULCH IN AREAS IDENTIFIED AS ROOT PROTECTION ZONES.
- CONTRACTOR SHALL NOT STORE MATERIALS, EQUIPMENT, OR PARK VEHICLES IN ROOT PROTECTION ZONES.



2 DETAIL - TRUNK PROTECTION

1" = 1'-0"

P-21.249-04



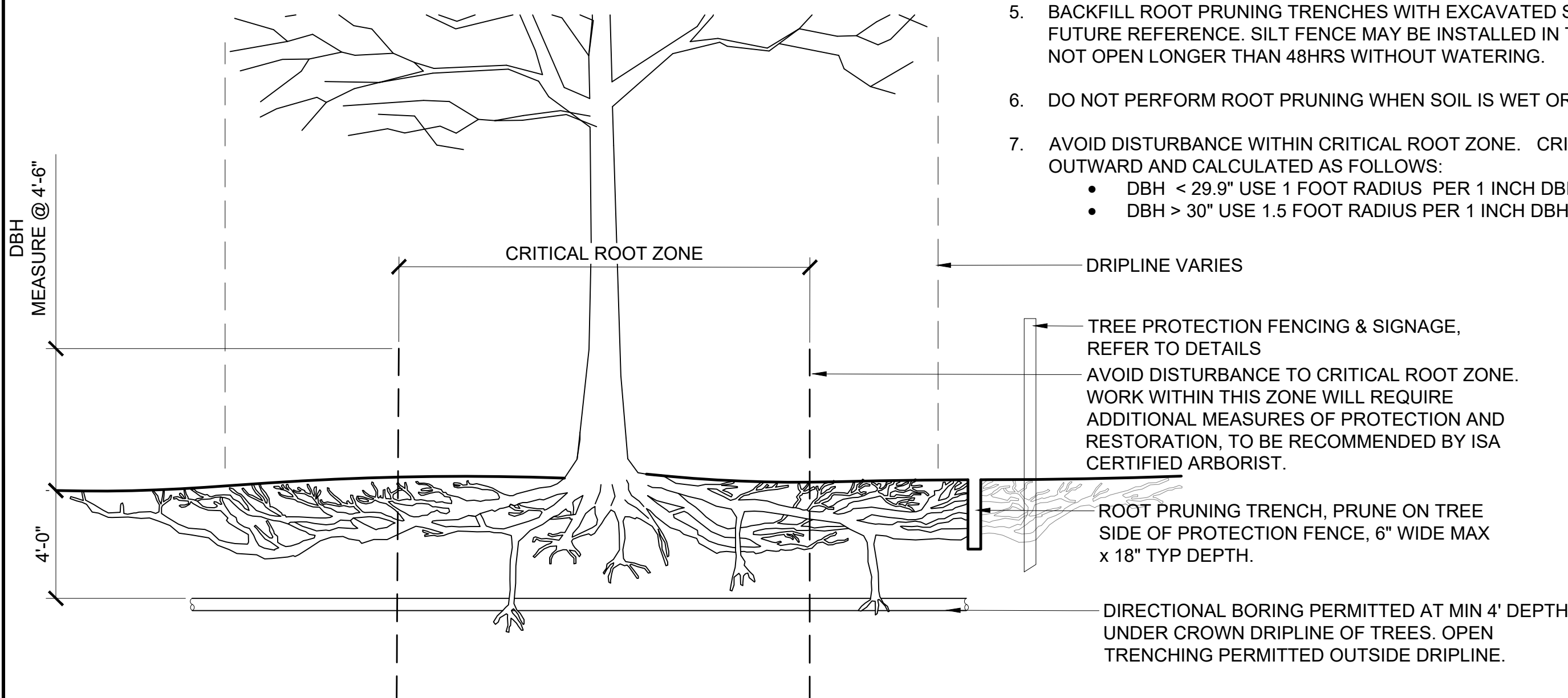
3 DETAIL - TREE PROTECTION SIGNAGE

1 1/2" = 1'-0"

P-21.249-05

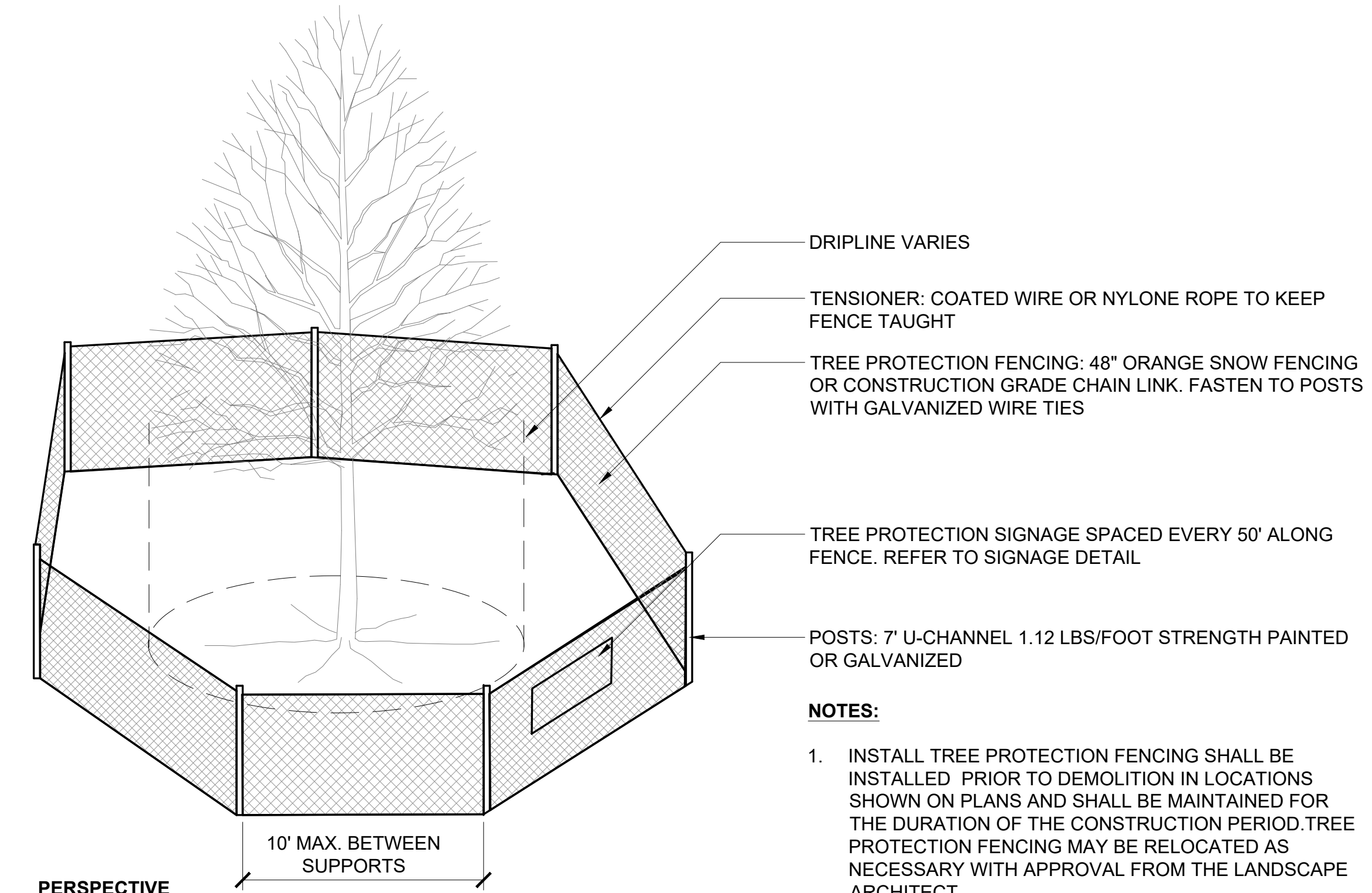
NOTES:

- WHERE WORK IS TO OCCUR WITHIN THE DRIPLINE OF A TREE, CONTRACTOR TO USE AIR EXCAVATOR, DIRECTIONAL BORING, ROOT PRUNING, AND PRECAUTIONARY MEASURES AS DETAILED. ROOT PRUNING TO BE PERFORMED BY ISA CERTIFIED ARBORIST.
- ROOT PRUNING SHALL BE DONE WITH A TRENCHER OR VIBRATORY PLOW TO A DEPTH OF 18". ROOTS OVER 1.5" DIA SHALL HAVE A CLEAN CUT MADE BY A CLEAN SAW ON SURFACE OF THE ROOT. DO NOT PAINT CUT ROOT ENDS.
- FOR INSTALLATION OF UTILITIES WITHIN DRIPLINE OF TREE, LEAVE ROOTS IN TACT AND UTILIZE DIRECTIONAL BORING TO THREAD UTILITY LINES BENEATH.
- ROOT PRUNING SHALL TAKE PLACE PRIOR TO CLEARING AND GRADING. STAKE LOCATIONS OF TREE PROTECTION PRIOR TO TRENCHING.
- BACKFILL ROOT PRUNING TRENCHES WITH EXCAVATED SOIL AND MULCH. MARK LOCATIONS WITH STAKES FOR FUTURE REFERENCE. SILT FENCE MAY BE INSTALLED IN TRENCH PRIOR TO BACKFILLING AS LONG AS TRENCH IS NOT OPEN LONGER THAN 48HRS WITHOUT WATERING.
- DO NOT PERFORM ROOT PRUNING WHEN SOIL IS WET OR WHEN TOP 1" OR MORE OF SOIL IS FROZEN.
- AVOID DISTURBANCE WITHIN CRITICAL ROOT ZONE. CRITICAL ROOT ZONE SHALL BE MEASURED FROM TRUNK OUTWARD AND CALCULATED AS FOLLOWS:
 - DBH < 29.9" USE 1 FOOT RADIUS PER 1 INCH DBH, MIN 3' RADIUS
 - DBH > 30" USE 1.5 FOOT RADIUS PER 1 INCH DBH

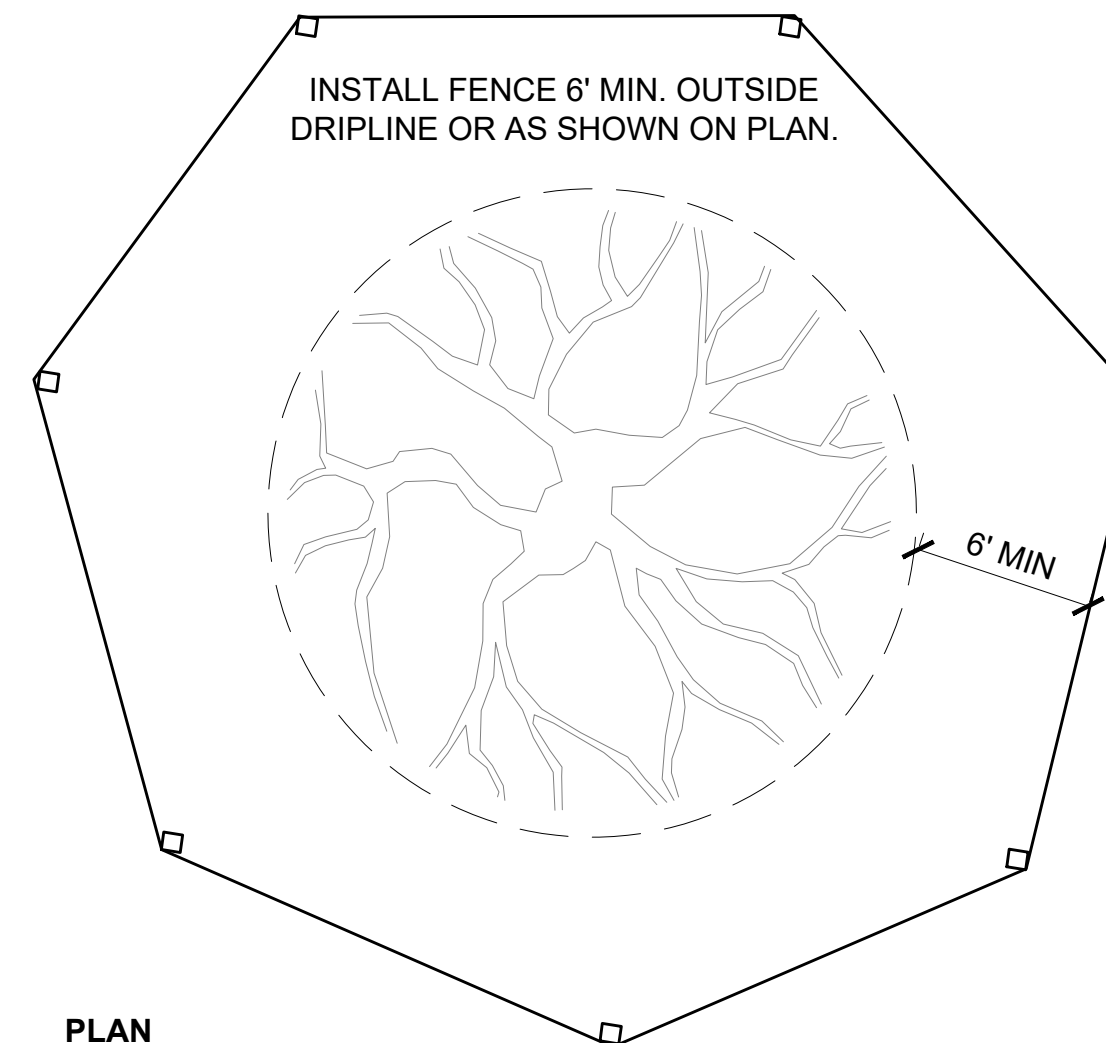


4 ROOT PRUNING & DIRECTIONAL BORING DETAIL

1 1/2" = 1'-0"



PERSPECTIVE



PLAN

1 DETAIL - TREE PROTECTION

1 1/2" = 1'-0"

P-22.184-70

P-21.249-23

60% PRICING SET

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SQUARE**
NORTHFIELD, MN

I hereby certify that this document was prepared by me or under my direct supervision and that I am a duly licensed Landscape Architect under the laws of the State of Minnesota.

Name Tom Whitlock
Registration# 26292

Signature Date

09/26/2023

DF/ Project # 22-184

Scale AS SHOWN

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REVISION --

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CONSTRUCTION**

**TREE
PRESERVATION
NOTES &
DETAILS**

L003

60% PRICING SET

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REVISION	

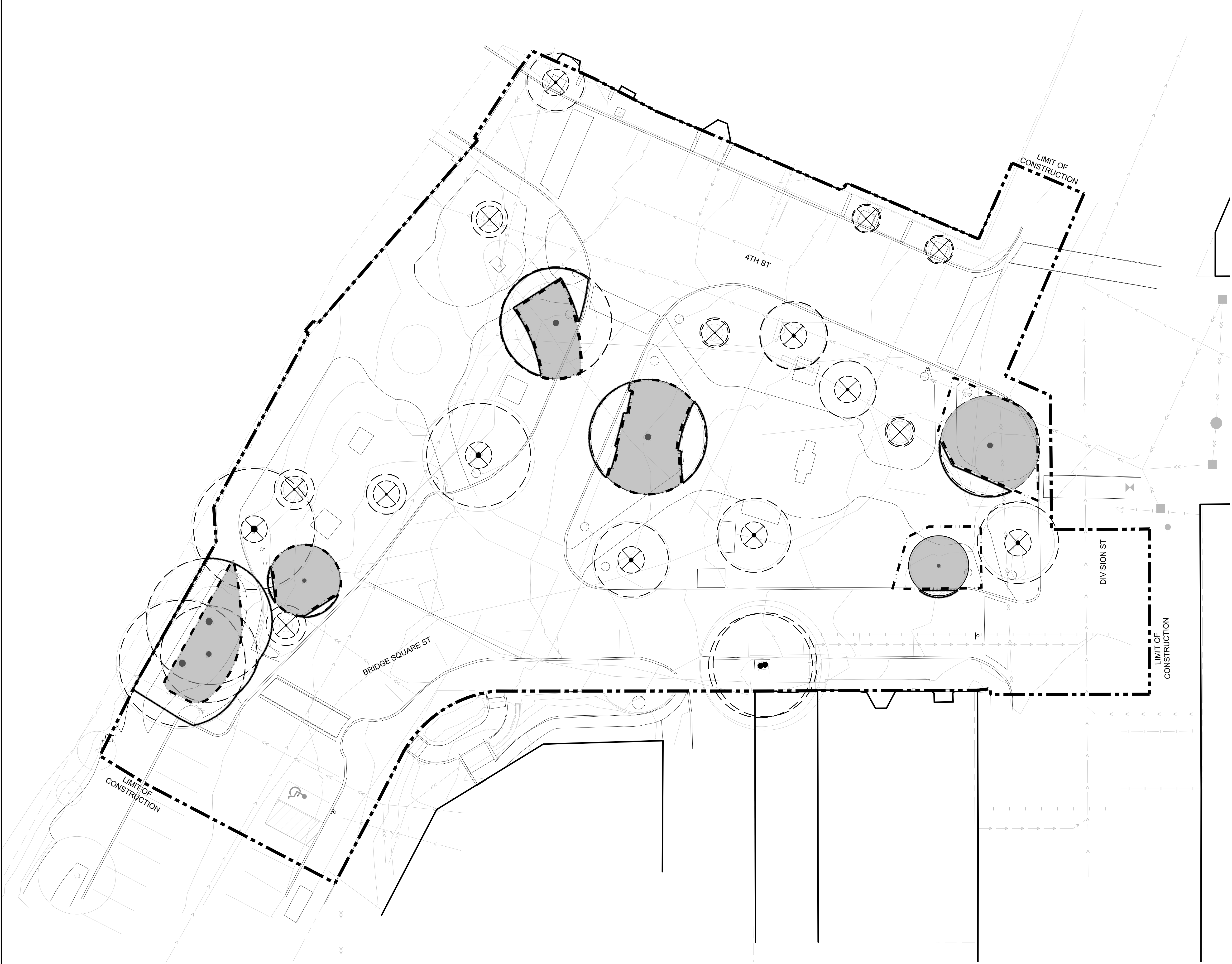
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CONSTRUCTION**

**SITE TREE
PROTECTION
PLAN**

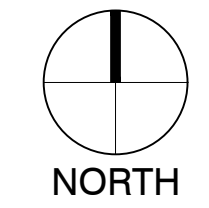
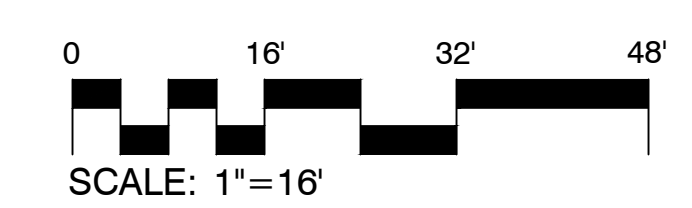
L004

LEGEND

-  EXISTING TREE TO BE REMOVED, CLEAR AND GRUB ROOTS
-  EXISTING TREE TO REMAIN
-  TREE PROTECTION ZONE
-  ROOT PRUNE
-  ROOT PROTECTION ZONE:
• HAND EXCAVATION ONLY
• PROVIDE 4" LAYER OF PROTECTIVE MULCH



01 SITE TREE PROTECTION PLAN
1" = 16'-0"



SITE HARDSCAPE SCHEDULE

SYMBOL	EDGING	QTY	DETAIL	MATERIAL PROFILE/ASSEMBLY	MANUFACTURER	PRODUCT/MODEL	COLOR/FINISH	
ED-01	EDGING TYPE 01 - CIP CONCRETE CURB SPEC: 32 13 16	279 LF	3/L500	12"W X 6"H FLUSH CONCRETE CURB EDGE OVER COMPACTED AGGREGATE BASE, COMPACTED SUBGRADE			SANDBLASTED	
SYMBOL	HANDRAIL	QTY	DETAIL	MATERIAL PROFILE/ASSEMBLY	MANUFACTURER	PRODUCT/MODEL	COMMENTS	
HR-01	GUARDRAIL TYPE 01 SPEC: 05 50 01	228 LF	1/L502	STAINLESS STEEL POWDER COATED GUARDRAIL, 4"x4" POSTS, 5"x1/2" TOP RAIL, 1/2"x3" BOTTOM RAIL AND BALLUSTRATES	CUSTOM	STAINLESS STEEL POWDER COATED	WITH RECESSED RAIL LIGHTS, SEE LIGHTING	
HR-02	HANDRAIL TYPE 01 SPEC: 05 50 01	16 LF	3/L502	2"W X 1/2"H STAINLESS STEEL BAR POWDER COATED HAND RAIL	CUSTOM	STAINLESS STEEL POWDER COATED		
SYMBOL	PAVING	QTY	DETAIL	MATERIAL PROFILE/ASSEMBLY	MANUFACTURER	PRODUCT/MODEL	COLOR/FINISH	COMMENTS
P-01A	PAVING TYPE 01A - DECORATIVE CONCRETE PAVING SPEC: 32 13 13	13,847 SF	SEE CIVIL	6" CONCRETE PAVEMENT OVER COMPACTED AGGREGATE BASE, COMPACTED SUBGRADE			STANDARD GRAY, LIGHT BROOM FINISH, SAW CUT JOINTS	SEE CIVIL FOR PAVING & SUBBASE THICKNESSES
P-01B	PAVING TYPE 01B - CONCRETE PAVING - VEHICULAR SPEC: 32 13 13	7,043 SF	SEE CIVIL	6" REINFORCED VEHICULAR RATED CONCRETE PAVEMENT, OVER COMPACTED AGGREGATE BASE, SELECTED GRANULAR EMBANKMENT (MODIFIED), COMPACTION SUBCUT			STANDARD GRAY, LIGHT BROOM FINISH, SAW CUT JOINTS	SEE CIVIL FOR PAVING & SUBBASE THICKNESSES
P-02A	PAVING TYPE 02A - DECORATIVE CONCRETE PAVING-VEHICULAR SPEC: 32 13 16	3,828 SF	SEE CIVIL	6" REINFORCED VEHICULAR RATED CONCRETE PAVEMENT, OVER COMPACTED AGGREGATE BASE, SELECT GRANULAR EMPBANKMENT (MODIFIED), INSULATION, COMPACTION SUBCUT			INTEGRAL COLOR - GRAY FAMILY, SANDBLAST FINISH, SAW CUT JOINTS	SEE CIVIL FOR PAVING & SUBBASE THICKNESSES
P-02B	DECORATIVE TYPE 02B - CONCRETE PAVING SPEC: 32 13 16	444 SF	SEE CIVIL	6" REINFORCED VEHICULAR RATED CONCRETE PAVEMENT, OVER COMPACTED AGGREGATE BASE, COMPACTED SUBGRADE			INTEGRAL COLOR - GRAY FAMILY, SURFACE RETARDER FINISH, SAW CUT JOINTS	SEE CIVIL FOR PAVING & SUBBASE THICKNESSES, MOCKUP REQ.
P-05A	PAVING TYPE 05A - UNIT PAVING SPEC: 32 14 00	2,988 SF	1/L500	LINEAR, PLANK PAVERS	UNILOCK	PROMENADE 8X24 A	SANDSTONE	SEE CIVIL FOR ENGINEERED SUBBASE
P-05B	PAVING TYPE 05B - UNIT PAVING SPEC: 32 14 00	4,467 SF	1/L500	LINEAR, PLANK PAVERS.	UNILOCK	PROMENADE 4X16 A	SANDSTONE - RUNNING BOND PATTERN.	SEE CIVIL FOR ENGINEERED SUBBASE
SYMBOL	STAIRS	QTY	DETAIL	MATERIAL PROFILE/ASSEMBLY	PRODUCT/MODEL	COLOR/FINISH		
ST-01	STAIR TYPE 01 - CIP CONCRETE STAIR SPEC: 32 13 13	105 LF	3/L502	CIP CONCRETE STAIRS OVER CIP CONCRETE FOOTING, COMPACTED AGGREGATE, COMPACTED SUBGRADE		BROOM FINISH CONCRETE		
ST-02	STAIR TYPE 02 - PRECAST CONCRETE STEP SPEC: 03 45 00	60 LF	4/L502	4' TREAD X 6" RISER PRECAST CONCRETE STAIR		PRECAST CONCRETE		
SYMBOL	WALL	QTY	DETAIL	MATERIAL PROFILE/ASSEMBLY	MANUFACTURER	PRODUCT/MODEL	COLOR/FINISH	COMMENTS
WL-01	WALL TYPE 01 - 10" PRECAST WALL SPEC: 03 45 00	503 LF	4/L504	PRECAST CONCRETE PLANTER WALL, OVER COMPACTED AGGREGATE, COMPACTED SUBGRADE	AMERICAN ARTSTONE, WAUSAU TILE, OR APPROVED EQUAL	PRECAST CONCRETE, ADD DIMENSIONS	POLISHED TOP, ACID ETCH SIDES	
WL-02	WALL TYPE 02 - 8" CIP WALL SPEC: 32 13 13	62 LF	4/L500	CIP CONCRETE CHEEK WALL, SIZE VARIES, OVER COMPACTED AGGREGATE, COMPACTED SUBGRADE			ACID WASH	
WL-03	WALL TYPE 03 - PRECAST CURVED SEAT WALL - LAWN SPEC: 03 45 00	74 LF	1/L505	3' W X 1'-3" H PRECAST CONCRETE SEAT WALL, OVER CONCRETE SUB SLAB, OVER COMPACTED AGGREGATE, COMPACTED SUBGRADE	AMERICAN ARTSTONE, WAUSAU TILE, OR APPROVED EQUAL		ACID WASH	
WL-04	WALL TYPE 04 - PRECAST CURVED SEAT WALL - PROMENADE SPEC: 03 45 00	26 LF	4/L501	15.75" W X 1'-4" H PRECAST SEAT WALL, OVER COMPACTED SUBSLAB, COMPACTED AGGREGATE, COMPACTED SUBGRADE	AMERICAN ARTSTONE, WAUSAU TILE, OR APPROVED EQUAL	PRECAST CONCRETE, ADD DIMENSIONS	ACID ETCHED ALL SIDES	
WL-05	WALL TYPE 05- PRECAST CURVED WALL - PLAZA SPEC: 03 45 00	17 LF	1/L501	15.75" W X 1'-4" H PRECAST CONCRETE SEAT WALL, OVER CONCRETE SUBSLAB, OVER COMPACTED AGGREGATE, COMPACTED SUBGRADE	ARTSTONE, WAUSAU TILE, OR APPROVED EQUAL		ACID ETCHED ALL SIDES	SET HAND TIGHT

SITE FURNISHINGS SCHEDULE

SYMBOL	BOLLARD	QTY	DETAIL	MATERIAL PROFILE/ASSEMBLY	MANUFACTURER	PRODUCT/MODEL	COLOR/FINISH	COMMENTS
BO-01	BOLLARD TYPE 01 - REMOVABLE SPEC: 32 33 00	8	3/L503	4.5" DIA REMOVABLE BOLLARD	RELINCE FOUNDRY	R-8464-RA	ANNODIZED SILVER / WHITE TAPE	EMBEDDED MOUNT
SYMBOL	HANDRAIL	QTY	DETAIL	MATERIAL PROFILE/ASSEMBLY	MANUFACTURER	PRODUCT/MODEL	COLOR/FINISH	COMMENTS
HR-01B	GUARDRAIL TYPE 01B - BAR HEIGHT TABLE SPEC: 05 50 01	8	2/L502	CUSTOMIZED APRIL BAR TABLE	VESTRE	741-900A	HOT-DIP GALVANISED AND POWDER-COATED WITH LINSEED OIL PROOFED NORDIC PINE (STANDARD)	CUSTOMIZED CANTILEVER MOUNTING OPTION
SYMBOL	LIGHTING	QTY	DETAIL	MATERIAL PROFILE/ASSEMBLY	MANUFACTURER	PRODUCT/MODEL	COLOR/FINISH	
LT-01	LIGHT TYPE 01 - TREE MOUNTED FLOOD LIGHT	44		SEE LIGHTING PLAN: AL 101, FIXTURE CODE SB	BK LIGHTING	SEE LIGHTING SCHEDULE	SEE LIGHTING SCHEDULE	
LT-02	LIGHT TYPE 02 - CITY STANDARD STREET POLE	11		SEE LIGHTING PLAN: AL 101, FIXTURE CODE SC	SEE LIGHTING SCHEDULE	SEE LIGHTING SCHEDULE	SEE LIGHTING SCHEDULE	
LT-03	LIGHT TYPE 03 - POLE WITH MULTIPLE HEADS	12		SEE LIGHTING PLAN: AL 101, FIXTURE CODE SC1	SELUX	SEE LIGHTING SCHEDULE	SEE LIGHTING SCHEDULE	
LT-04	LIGHT TYPE 04 - DECORATIVE POLE TBD	8		SEE LIGHTING PLAN: AL 101, FIXTURE CODE SC2	TBD	SEE LIGHTING SCHEDULE	SEE LIGHTING SCHEDULE	
LT-06	LIGHT TYPE 06 - INGRADE UPLIGHT	4		SEE LIGHTING PLAN: AL 101, FIXTURE CODE SD	BK LIGHTING	SEE LIGHTING SCHEDULE	SEE LIGHTING SCHEDULE	
SYMBOL	SITE FURNITURE	QTY	DETAIL	MATERIAL PROFILE/ASSEMBLY	MANUFACTURER	PRODUCT/MODEL	COLOR/FINISH	COMMENTS
SF-01	BISTRO CHAIR SPEC: 32 33 00	30	/	APRIL GO CHAIR	VESTRE	7013-930	HOT-DIP GALVANISED AND POWDER-COATED IN COLOR TBD	OWNER FURNISHED CONTRACTOR INSTALLED
SF-02	BISTRO TABLE SPEC: 32 33 00	12	/	APRIL ROUND TABLE	VESTRE	738-900	HOT-DIP GALVANISED AND POWDER-COATED IN COLOR TBD	OWNER FURNISHED CONTRACTOR INSTALLED
SF-03	BIKE RACK SPEC: 32 33 00	8	1/L503	VROOM BICYCLE RACK	VESTRE	696-904C	POWDER-COATED ALUMINUM WITH COLOR TBD	ANCHOR USING TYPE C - CONCRETING
SF-04	BENCH TYPE 1 - BACKLESS WALL MOUNT BENCH SPEC: 32 33 00	4	2/L501	VROOM WALL MOUNT WOOD SEAT	VESTRE	620-901MKL2	HOT-DIP GALVANISED AND POWDER-COATED STEEL MOUNTING MATERIAL, KEBONY CLEAR WOOD SEAT MATERIAL	MKL (WALL-MOUNT LOW) BRACKETS
SF-05	BENCH TYPE 2 - BACKED SEATWALL BENCH WITH ARMRESTS SPEC: 32 33 00	16	2/L504	VESTRE VROOM WALL MOUNT WITH ARMRESTS AND BACK	VESTRE	620-901MKLS28	HOT-DIP GALVANISED AND POWDER-COATED STEEL MOUNTING MATERIAL, KEBONY CLEAR WOOD SEAT MATERIAL	MKL (WALL-MOUNT LOW) BRACKETS
SF-06	BENCH TYPE 3 - CURVED BENCH IN SQUARE SPEC: 32 33 00	1	1/L501	CUSTOM CURVED BENCH	VESTRE	630MKL D4	HOT-DIP GALVANISED AND POWDER-COATED STEEL MOUNTING MATERIAL, KEBONY CLEAR WOOD SEAT MATERIAL	MKL (WALL-MOUNT LOW) BRACKETS
SF-07	BENCH TYPE 4 - FREESTANDING BENCH SPEC: 32 33 00	14	5/L503	VESTRE VROOM FREESTANDING BENCH WITH ARMRESTS AND BACK	VESTRE	617	HOT-DIP GALVANISED AND POWDER-COATED STEEL MOUNTING MATERIAL, KEBONY CLEAR WOOD SEAT MATERIAL	
SF-08	BENCH TYPE 5 - PROMENADE CUSTOM CURVED WALL MOUNT BENCH SPEC: 32 33 00		/	CUSTOM CURVED SEATWALL BENCH	VESTRE	620-901MKL2	HOT-DIP GALVANISED AND POWDER-COATED, LINSEED OIL PROOFED NORDIC PINE (STANDARD)	MKL (WALL-MOUNT LOW) BRACKETS
SF-10	PROMENADE BAR STOOL SPEC: 32 33 00	16	4/L503	APRIL BAR CHAIR	VESTRE	78-900C	HOT-DIP GALVANISED AND POWDER-COATED STRUCTURE FINISHED IN COLOR TBD AND LINSEED OIL PROOFED NORDIC PINE SEATING	ANCHORING USING TYPE C - CONCRETING
SF-11	ADIRONDACK CHAIRS SPEC: 32 33 00	9	/	ADIRONDACK CHAIR WITH CUSTOM LOCKING	LOLL	ADIRONDACK (FLAT)	COLOR TBD	OWNER FURNISHED CONTRACTOR INSTALLED
SF-12	TRASH RECEPTACLE SPEC: 32 33 00	5	2/L503	VROOM LITTER BIN	VESTRE	644-900	HOT-DIP GALVANISED AND POWDER-COATED COLOR TBD	OWNER FURNISHED CONTRACTOR INSTALLED
SF-13	RECYCLING RECEPTACLE SPEC: 32 33 00	5	/	VROOM BICYCLE RACK	VESTRE	686-904A	POWDER-COATED ALUMINUM, COLOR TBD	OWNER FURNISHED CONTRACTOR INSTALLED
SF-14	BENCH TABLES MODULE SPEC: 32 33 00	4	/	CUSTOM VROOM COFEE TABLE MODULE	VESTRE	639	HOT-DIP GALVANISED STEEL, COLOR TBD	OWNER FURNISHED CONTRACTOR INSTALLED
SYMBOL	SIGNAGE	QTY	DETAIL	MATERIAL PROFILE/ASSEMBLY	COMMENTS			
SN-01	SIGNAGE TYPE 01 - INFORMATION KIOSK	1	6/L503	INFORMATIONAL KIOSK	ALLOWANCE			

REFER TO LIGHTING PLAN: AL100, AL101



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Registration# 26292

Signature Date
09/26/2023

DF/ Project # 22-184
Scale AS SHOWN
Drawn/Checked RP/AG/BE/RB

REVISION --

NOT FOR CONSTRUCTION

SITE
MATERIALS
SCHEDULE

L010

SITE TREE SCHEDULE

TREES	CODE	QTY	BOTANICAL / COMMON NAME	SIZE	CONT.	DETAIL	REMARKS
	PS2	5	PINUS SYLVESTRIS SCOTCH PINE	12' HEIGHT	CONT.		
	PT2	11	POPULUS TREMULOIDES QUAKING ASPEN	4" CAL.	B&B		
	QR	4	QUERCUS RUBRA RED OAK	5" CAL.	B&B		
	TB	4	TILIA AMERICANA 'BOULEVARD' BOULEVARD LINDEN	5" CAL.	B&B		
DECIDUOUS TREES	CODE	QTY	BOTANICAL / COMMON NAME	SIZE	CONT.	DETAIL	REMARKS
	GI	9	GLEDTISIA TRIACANTHOS INERMIS 'SKYCOLE' TM SKYLINE THORNLESS HONEY LOCUST	5" CAL.	B&B		

SITE UNDERSTORY PLANTING SCHEDULE

SHRUBS	CODE	QTY	BOTANICAL / COMMON NAME	SIZE	CONT.	SPACING	DETAIL	REMARKS
	BI	29	BAPTISIA X 'INDIGO SPIRES' INDIGO SPIRES WILD INDIGO	#1	CONT.	36" o.c.		
GROUND COVERS	CODE	QTY	BOTANICAL / COMMON NAME	SIZE	CONT.	SPACING	REMARKS	
		3,684 SF	SHADE TOLERANT LAWN					
		1,938 SF	STREETScape PLANTERS					
	EP	101	ECHINACEA PURPUREA CONEFLOWER	#1	CONT.	20% @ 24" o.c.		
	LA3	101	LIATRIS ASPERA ROUGH BLAZING STAR	#1	CONT.	20% @ 24" o.c.		
	NW2	101	NEPETA X 'WALKER'S LOW' WALKER'S LOW CATMINT	#1	CONT.	20% @ 24" o.c.		
	RB	101	RUBBECKIA FULGIDA CONEFLOWER	#1	CONT.	20% @ 24" o.c.		
	SH3	101	SPOROBOLUS HETEROLEPIS PRAIRIE DROPSEED	#1	CONT.	20% @ 24" o.c.		
		5,716 SF	PERENNIAL MIX					
	AM3	529	ALLIUM X 'MILLENIUM' MILLENIUM ORNAMENTAL ONION	#1	CONT.	20% @ 18" o.c.		
	CP2	298	CAREX PENNSYLVANICA PENNSYLVANIA SEDGE	#1	CONT.	20% @ 24" o.c.		
	GT2	223	GEUM TRIFLORUM PRAIRIE SMOKE	#1	CONT.	15% @ 24" o.c.		
	MD	143	MONARDA DIDYMA BEE BALM	#1	CONT.	15% @ 30" o.c.		
	NW3	223	NEPETA X 'WALKER'S LOW' WALKER'S LOW CATMINT	#1	CONT.	15% @ 24" o.c.		
	ZA2	223	ZIZIA AUREA GOLDEN ALEXANDER	#1	CONT.	15% @ 24" o.c.		
	TD2	6,158 SF	TURF SEED DROUGHT TOLERANT DWARF FESCUE BLEND	SEED & PLUG	SEED			

60% PRICING SET

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REVISION _____

**NOT FOR
CONSTRUCTION**

**SITE
LANDSCAPE
SCHEDULE**

L011

SITE SOIL SCHEDULE

SYMBOL	DESCRIPTION	QTY	DEPTH	COMPOSITION	IRRIGATION	NOTES	SUBGRADE PREPARATION
SP-01	SOIL TYPE 01 - HIGH USE LAWN MIX	499.51 CY	6"	60% COARSE SAND, 30% LOAM TOPSOIL, 10% COMPOST	SPRAY		DEEP TILL, AMEND W/ 1" ORGANIC COMPOST
SP-02	SOIL TYPE 02 - 18" DEPTH PLANTING SOIL	309.34 CY	18"	60% COARSE SAND, 25-30% LOAM, 10-15% COMPOST	DRIP	3" THK FINELY SHREDDED HARDWOOD MULCH, JUTE ECB ON SLOPES 3:1 OR STEEPER	DEEP TILL, AMEND W/ 1" ORGANIC COMPOST
SP-03	SOIL TYPE 03 - 36" DEPTH PLANTING SOIL	319.39 CY	36"	60% COARSE SAND, 25-30% LOAM, 10-15% COMPOST	DRIP	3" THK FINELY SHREDDED HARDWOOD MULCH, JUTE ECB ON SLOPES 3:1 OR STEEPER	DEEP TILL, AMEND W/ 1" ORGANIC COMPOST
SP-04	SOIL TYPE 04 - SOIL PREP BELOW EXISTING TREES	10.59 CY		AMEND INSITU SOILS - HAND WORK BELOW TREES, TOP DRESS 1/2" OF COMPOST AND BIOCHAR (50/50)		WHERE PLANTING IS TO OCCUR BELOW DRIPLINES, PREPARE SOILS WITH PNEUMATIC SOIL TOOL/AIR SPADE	NONE- DO NOT DISTURB
SP-05	SOIL TYPE 05 - SAND-BASED STRUCTURAL SOIL	146.3 CY	36"	91-94% COARSE SAND, 4-5% PEAT, 2-4% PEAT	DRIP	3" THK PINE BARK MULCH BELOW PINE TREES- SEE DETAILS	DEEP TILL, AMEND W/ 1" ORGANIC COMPOST

SITE IRRIGATION SCHEDULE

SYMBOL	DESCRIPTION	QTY	MATERIAL PROFILE	MANUFACTURER	PRODUCT/MODEL	COMMENTS
U-01	SITE IRRIGATION TYPE 01	7,476 SF	DRIP IRRIGATION	PER OWNER	HIGH-EFFICIENCY	PER OWNER
U-02	SITE IRRIGATION TYPE 02	9,729 SF	POP-UP SPRAY IRRIGATION	PER OWNER	HIGH-EFFICIENCY HEADS	PER OWNER
U-03	SITE IRRIGATION TYPE 03	933 SF	BUBBLER IRRIGATION	PER OWNER	HIGH-EFFICIENCY HEADS	
U-04	SITE IRRIGATION - QUICK COUPLER	6	QUICK COUPLER FOR HOSE HOOK UP	PER OWNER	PER OWNER	



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 612.339.5958

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 SQUARE**
 NORTHFIELD, MN

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Name Tom Whitlock
 Registration# 26292

Signature _____ Date 09/26/2023

DF/ Project # 22-184

Scale AS SHOWN

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**SITE
 SCHEDULES**

L012

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REVISION _____

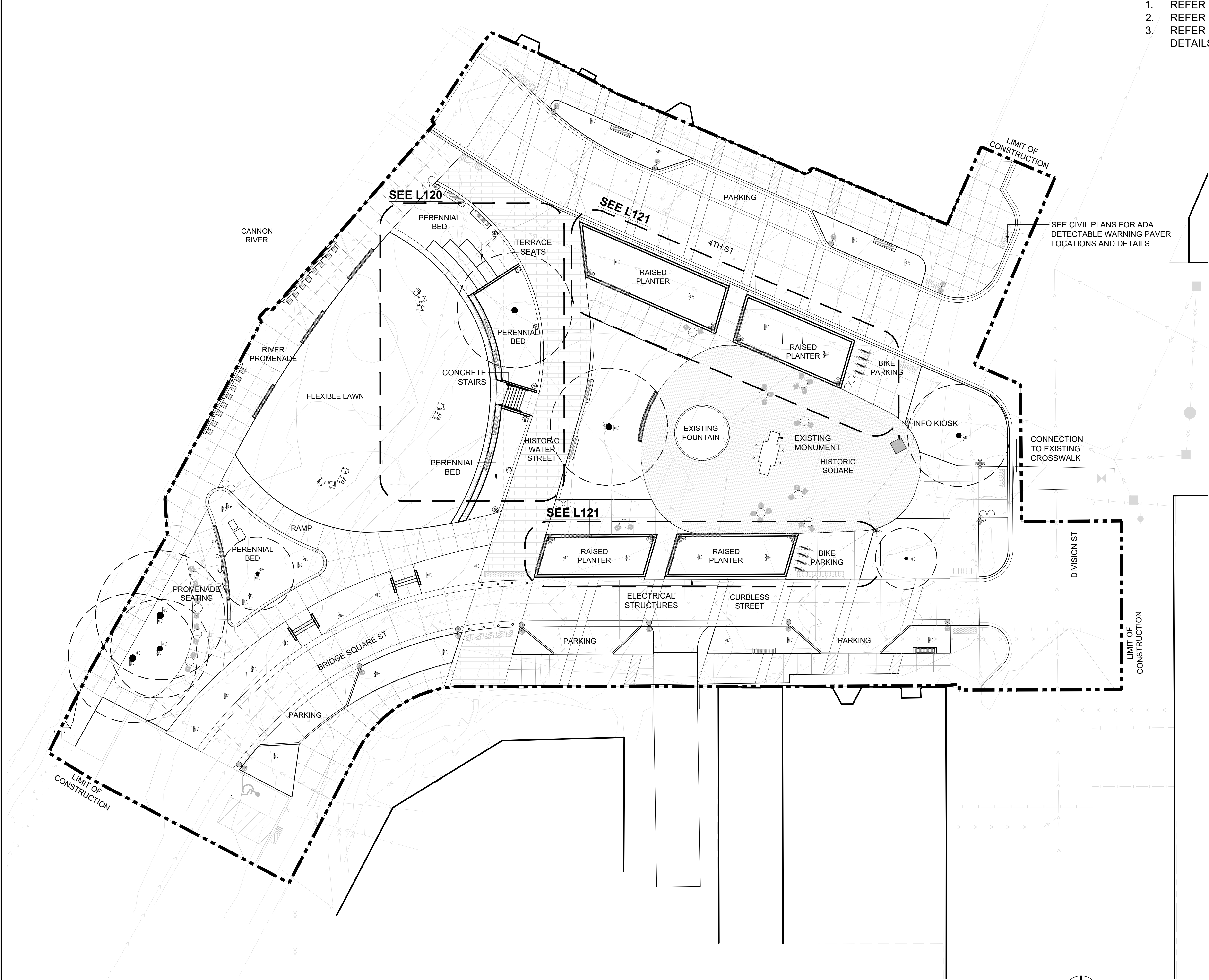
**NOT FOR
CONSTRUCTION**

**SITE
ORIENTATION
PLAN**

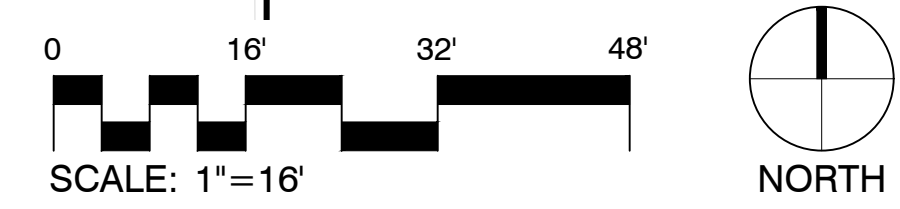
L050

NOTES:

1. REFER TO L001 FOR GENERAL NOTES AND ABBREVIATIONS.
2. REFER TO L002 FOR LANDSCAPE NOTES.
3. REFER TO L003 FOR TREE PRESERVATION PLAN, NOTES & DETAILS.



01 SITE ORIENTATION PLAN
1" = 16'-0"



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SITE
HARDSCAPE
PLAN

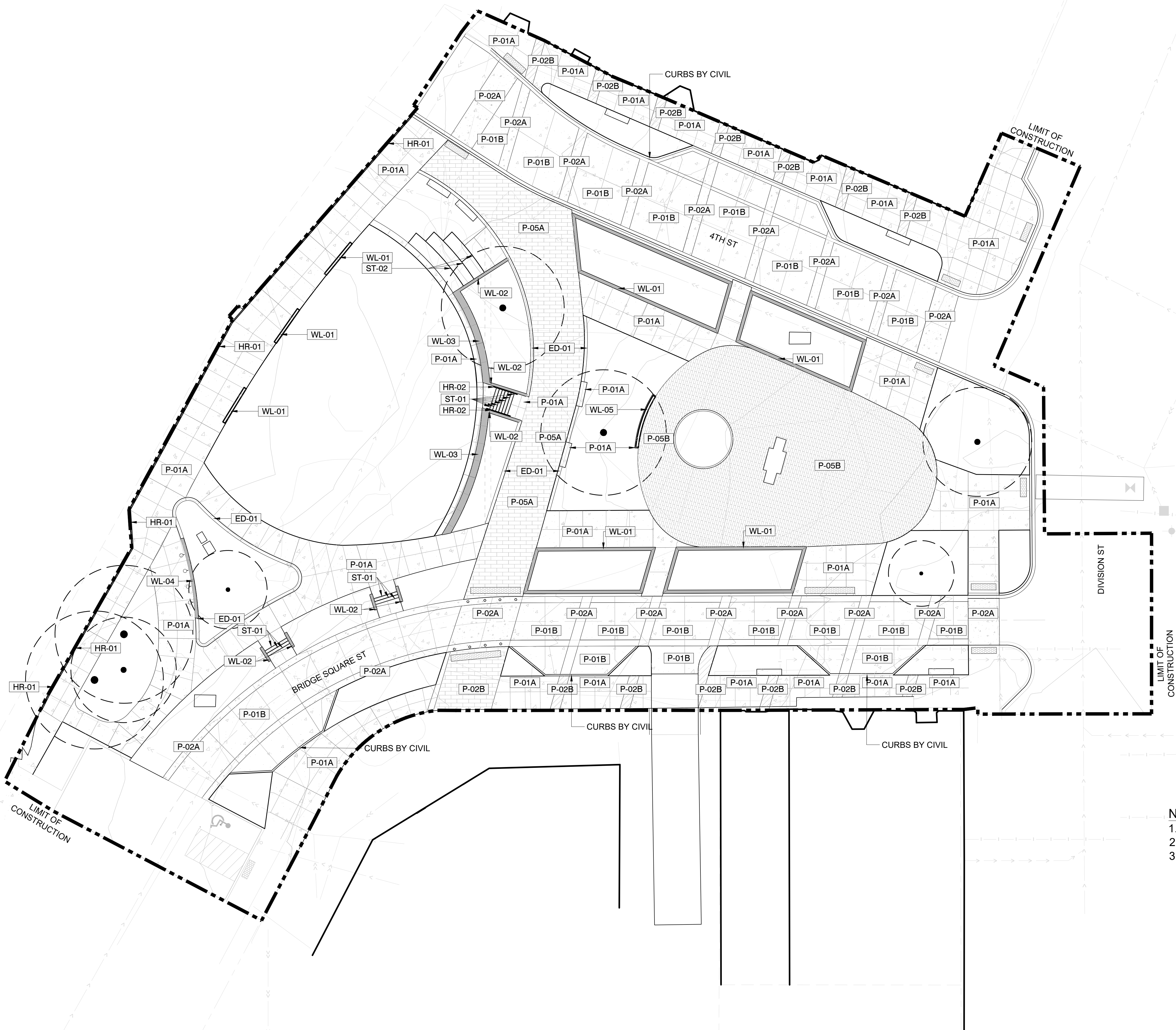
L101

SITE HARDSCAPE LEGEND

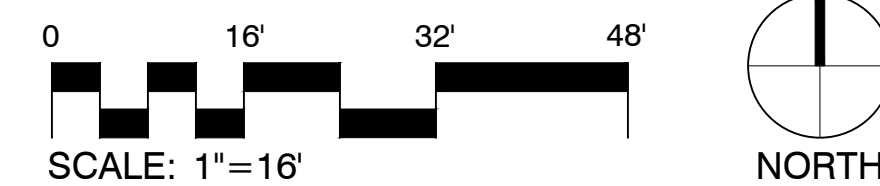
SYMBOL	EDGING DESCRIPTION
[Symbol]	EDGING TYPE 01 - CIP CONCRETE CURB SPEC: 32 13 16
SYMBOL	HANDRAIL DESCRIPTION
[Symbol]	GUARDRAIL TYPE 01 SPEC: 05 50 01
[Symbol]	HANDRAIL TYPE 01 SPEC: 05 50 01
SYMBOL	PAVING DESCRIPTION
[Symbol]	PAVING TYPE 01A - DECORATIVE CONCRETE PAVING SPEC: 32 13 13
[Symbol]	PAVING TYPE 01B - CONCRETE PAVING - VEHICULAR SPEC: 32 13 13
[Symbol]	PAVING TYPE 02A - DECORATIVE CONCRETE PAVING - VEHICULAR SPEC: 32 13 16
[Symbol]	DECORATIVE TYPE 02B - CONCRETE PAVING SPEC: 32 13 16
[Symbol]	PAVING TYPE 05A - UNIT PAVING SPEC: 32 14 00
[Symbol]	PAVING TYPE 05B - UNIT PAVING SPEC: 32 14 00
SYMBOL	STAIRS DESCRIPTION
[Symbol]	STAIR TYPE 01 - CIP CONCRETE STAIR SPEC: 32 13 13
[Symbol]	STAIR TYPE 02 - PRECAST CONCRETE STEP SPEC: 03 45 00
SYMBOL	WALL DESCRIPTION
[Symbol]	WALL TYPE 01 - 10" PRECAST WALL SPEC: 03 45 00
[Symbol]	WALL TYPE 02 - 8" CIP WALL SPEC: 32 13 13
[Symbol]	WALL TYPE 03 - PRECAST CURVED SEAT WALL - LAWN SPEC: 03 45 00
[Symbol]	WALL TYPE 04 - PRECAST CURVED SEAT WALL - PROMENADE SPEC: 03 45 00
[Symbol]	WALL TYPE 05- PRECAST CURVED WALL - PLAZA SPEC: 03 45 00

NOTES:

- REFER TO L001 FOR GENERAL NOTES AND ABBREVIATIONS.
- REFER TO L002 FOR LANDSCAPE NOTES.
- REFER TO L003 FOR TREE PRESERVATION PLAN, NOTES & DETAILS.



01 SITE HARDSCAPE PLAN
1" = 16'-0"



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SITE FURNISHING PLAN

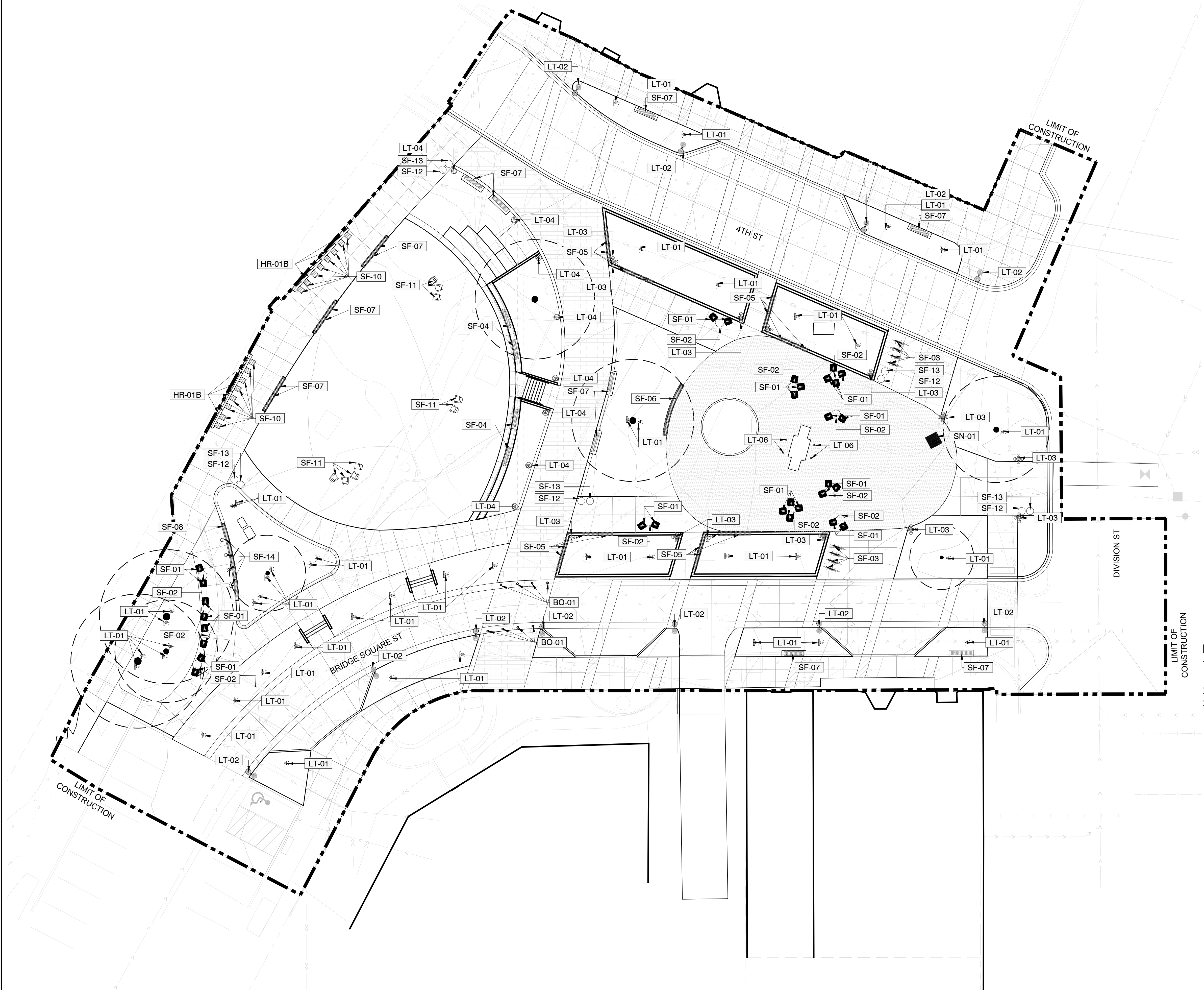
L102

SITE FURNISHINGS LEGEND

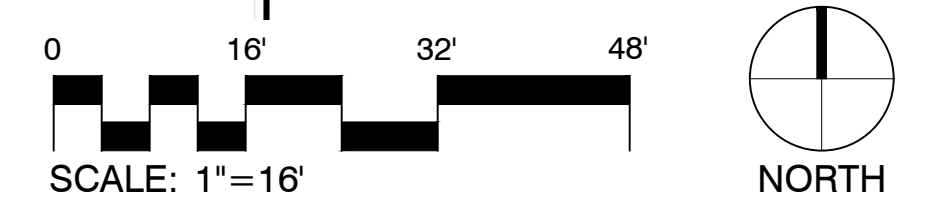
SYMBOL	DESCRIPTION
•	BO-01 BOLLARD BOLLARD TYPE 01 - REMOVABLE SPEC: 32 33 00
≡	HR-01B HANDRAIL GUARDRAIL TYPE 01B - BAR HEIGHT TABLE SPEC: 05 50 01
☀	LT-01 LIGHTING LIGHT TYPE 01 - TREE MOUNTED FLOOD LIGHT
⊙	LT-02 LIGHT TYPE 02 - CITY STANDARD STREET POLE
⊕	LT-03 LIGHT TYPE 03 - POLE WITH MULTIPLE HEADS
⊗	LT-04 LIGHT TYPE 04 - DECORATIVE POLE TBD
•	LT-06 LIGHT TYPE 06 - INGRADE UPLIGHT
■	SF-01 SITE FURNITURE BISTRO CHAIR SPEC: 32 33 00
○	SF-02 BISTRO TABLE SPEC: 32 33 00
🚲	SF-03 BIKE RACK SPEC: 32 33 00
▬	SF-04 BENCH TYPE 1 - BACKLESS WALL MOUNT BENCH SPEC: 32 33 00
▬	SF-05 BENCH TYPE 2 - BACKED SEATWALL BENCH WITH ARMRESTS SPEC: 32 33 00
▬	SF-06 BENCH TYPE 3 - CURVED BENCH IN SQUARE SPEC: 32 33 00
▬	SF-07 BENCH TYPE 4 - FREESTANDING BENCH SPEC: 32 33 00
▬	SF-08 BENCH TYPE 5 - PROMENADE CUSTOM CURVED WALL MOUNT BENCH SPEC: 32 33 00
▬	SF-10 PROMENADE BAR STOOL SPEC: 32 33 00
▬	SF-11 ADIRONDACK CHAIRS SPEC: 32 33 00
○	SF-12 TRASH RECEPTACLE SPEC: 32 33 00
○	SF-13 RECYCLING RECEPTACLE SPEC: 32 33 00
○	SF-14 BENCH TABLES MODULE SPEC: 32 33 00
■	SN-01 SIGNAGE SIGNAGE TYPE 01 - INFORMATION KIOSK

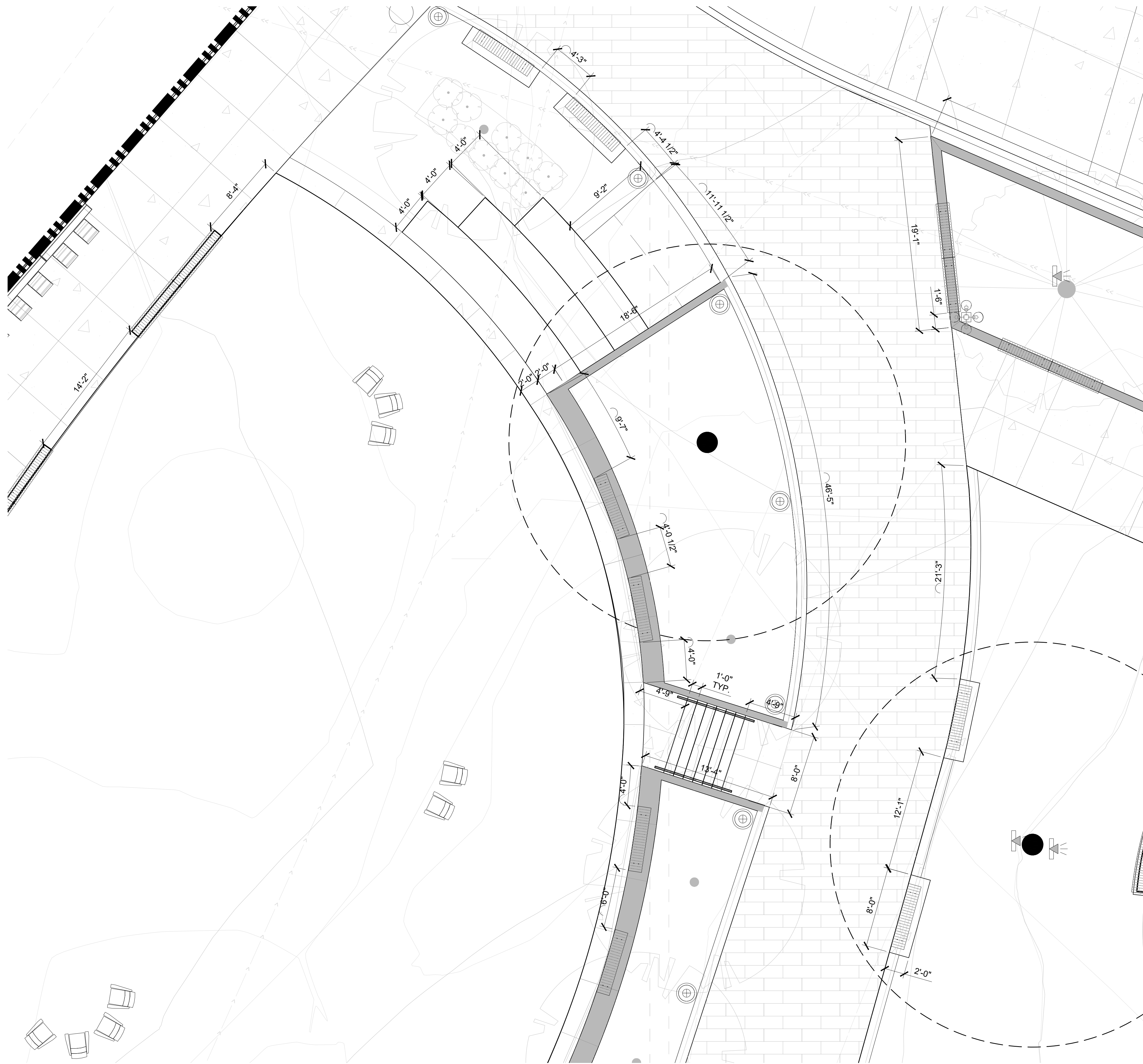
NOTES:

1. REFER TO L001 FOR GENERAL NOTES AND ABBREVIATIONS.
2. REFER TO L002 FOR LANDSCAPE NOTES.
3. REFER TO L003 FOR TREE PRESERVATION PLAN, NOTES & DETAILS.



01 SITE FURNISHING PLAN
1" = 16'-0"





- NOTES:**
1. REFER TO L001 FOR GENERAL NOTES AND ABBREVIATIONS.
 2. REFER TO L002 FOR LANDSCAPE NOTES.
 3. REFER TO L003 FOR TREE PRESERVATION PLAN, NOTES & DETAILS.
 4. PROVIDE SHOP DRAWINGS FOR JOINTING LAYOUTS.

City Of Northfield
Minnesota

CITY OF NORTHFIELD
801 WASHINGTON STREET
NORTHFIELD, MINNESOTA 55057
DAVID.BENNETT@CI.NORTHFIELD.MN.US

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PWHITAKER@SCHULERSHOOK.COM
612.339.5958

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Registration#	26292
Signature	Date
	09/26/2023
DF/ Project #	22-184
Scale	AS SHOWN
Drawn/Checked	RP/AG/BE/RB

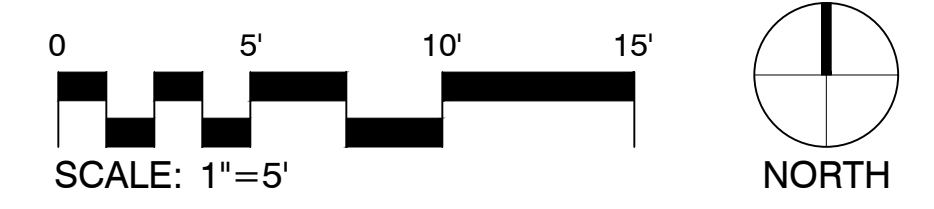
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PLAN
ENLARGEMENT -
LAWN TERRACE

L120

01 PLAN ENLARGEMENT - LAWN TERRACE
1" = 5'-0"



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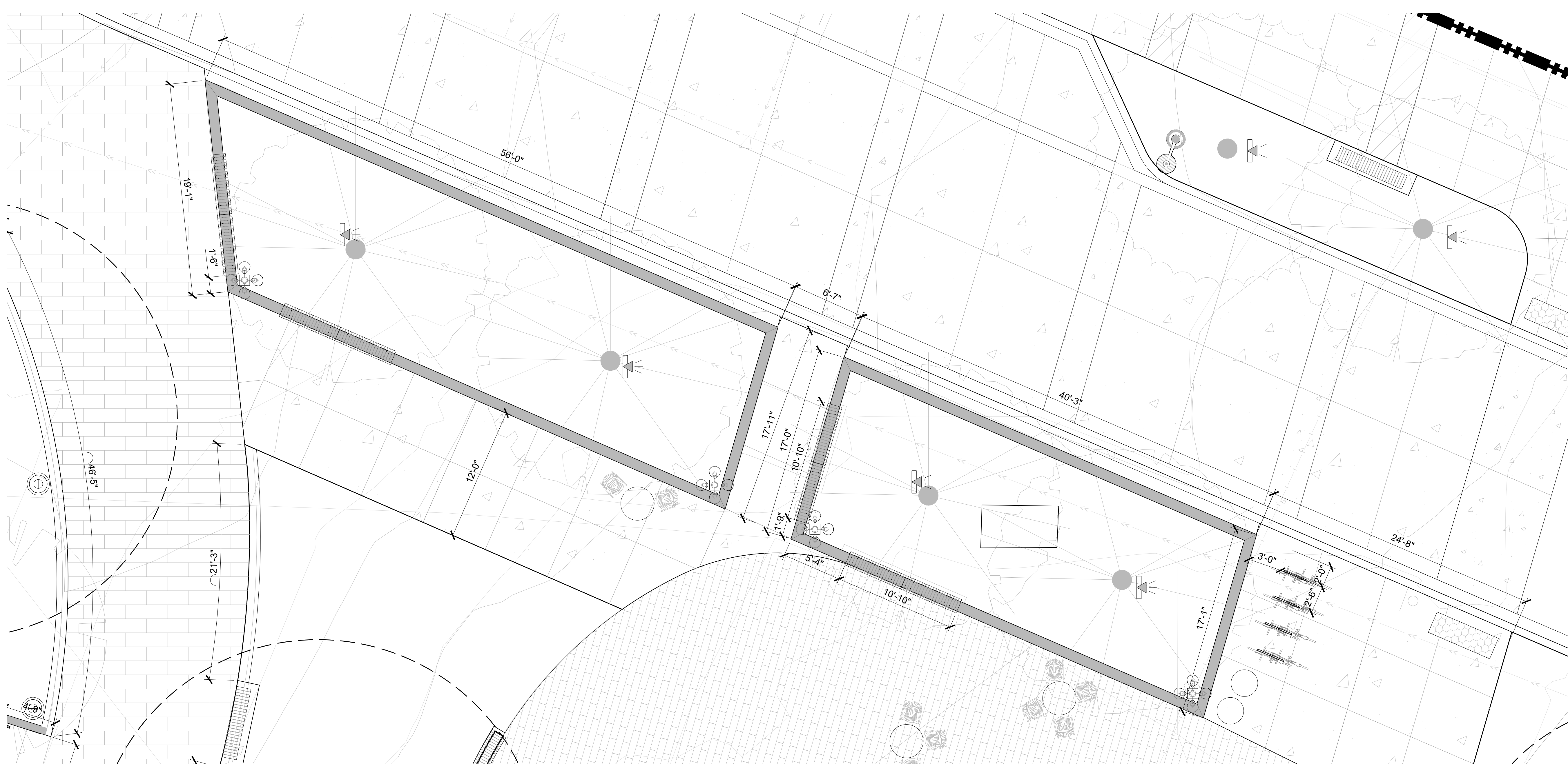
Signature _____ Date 09/26/2023
DF/ Project # 22-184
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REVISION _____

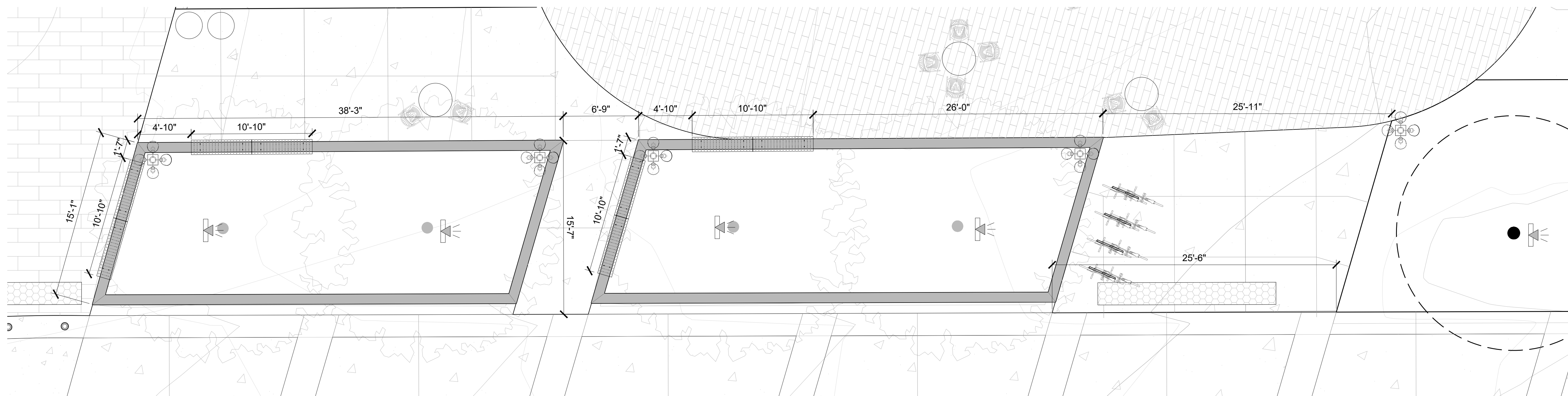
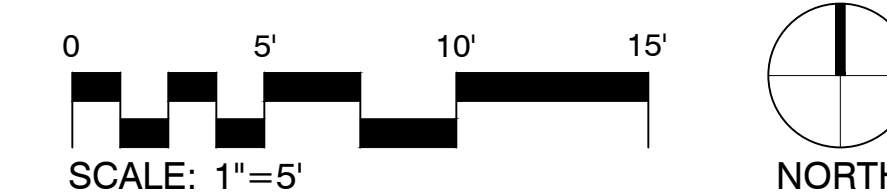
**NOT FOR
CONSTRUCTION**

PLAN
ENLARGEMENT -
THE SQUARE

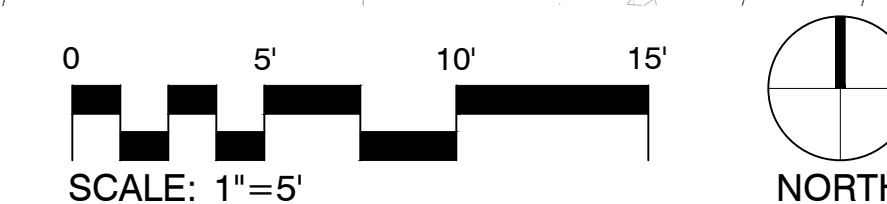
L121



02 THE SQUARE PLAN ENLARGEMENT - NORTH PLANTER WALLS
1" = 5'-0"



01 THE SQUARE PLAN ENLARGEMENT - SOUTH PLANTER WALLS
1" = 5'-0"



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DF/ Project # 22-184

Scale AS SHOWN

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**SITE SOILS
PLAN**

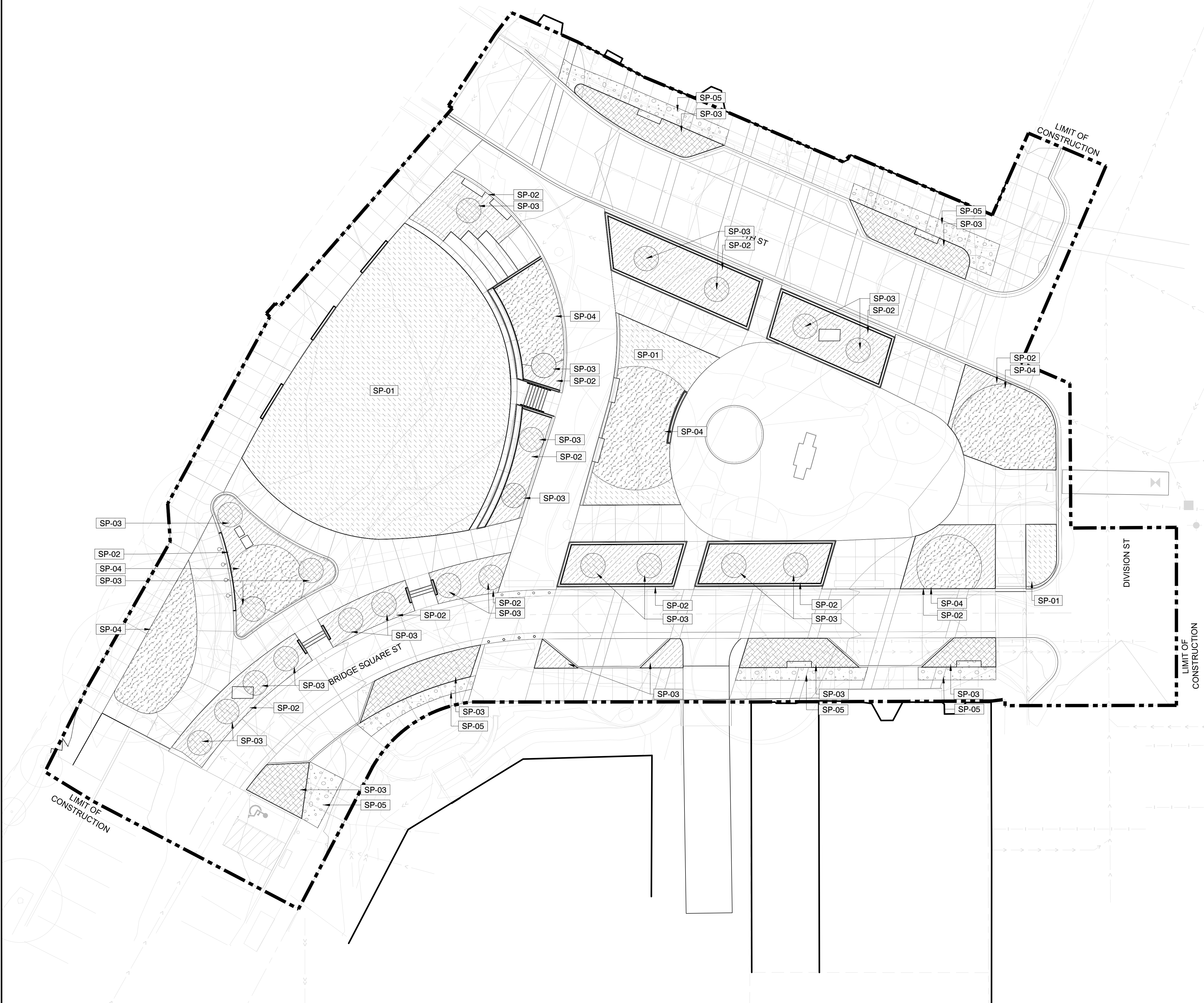
L130

SITE SOILS LEGEND

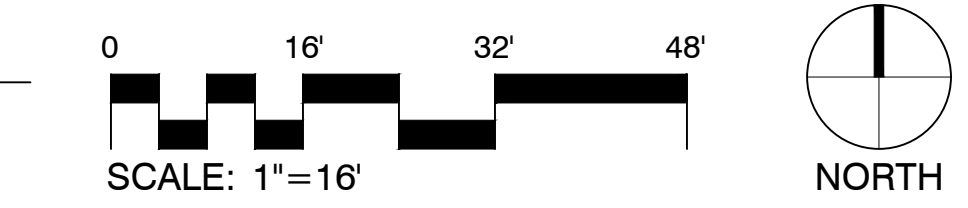
SYMBOL	DESCRIPTION
	SP-01 SOIL TYPE 01 - HIGH USE LAWN MIX
	SP-02 SOIL TYPE 02 - 18" DEPTH PLANTING SOIL
	SP-03 SOIL TYPE 03 - 36" DEPTH PLANTING SOIL
	SP-04 SOIL TYPE 04 - SOIL PREP BELOW EXISTING TREES
	SP-05 SOIL TYPE 05 - SAND-BASED STRUCTURAL SOIL

NOTES:

- REFER TO SOILS SPECIFICATION 32 91 13
- REFER TO L001 FOR GENERAL NOTES AND ABBREVIATIONS.
- REFER TO L002 FOR LANDSCAPE NOTES.
- REFER TO L003 FOR TREE PRESERVATION PLAN, NOTES & DETAILS.
- PROVIDE EROSION CONTROL BLANKET AT SEEDED AREAS 3:1 AND STEEPER. PROVIDE NATIVE STRAW/ HYDROMULCH AT SEEDED AREAS SLOPED LESS THAN 3:1.
- PROVIDE ROADBED DECOMPACTION TO MINIMUM DEPTH OF 12". TREE, SHRUB AND PERENNIAL PLANTINGS TO BE PROVIDED AND INSTALLED BY OWNER. SEEDING, RESTORATION, AND SOIL PREP TO BE PROVIDED AND INSTALLED BY CONTRACTOR.
- PLANT MATERIAL, MULCH, SOILS, AND COMPOST SHALL BE INSPECTED FOR JUMPING WORMS PRIOR TO PLACEMENT AND DISTRIBUTION OF MATERIALS ON SITE. INSPECTION SHALL BE PERFORMED BY LANDSCAPE ARCHITECT. NOTIFY LA MINIMUM OF 48 HRS PRIOR TO MATERIAL ARRIVAL. SEE SPECIFICATIONS FOR SUBMITTAL REQUIREMENTS. JUMPING WORMS ARE AN UNCLASSIFIED INVASIVE SPECIES IN MINNESOTA AND PROVIDE A THREAT TO NATURAL ECOSYSTEMS.**



01 SITE SOILS PLAN
1" = 16'-0"



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**SITE TREE
PLAN**

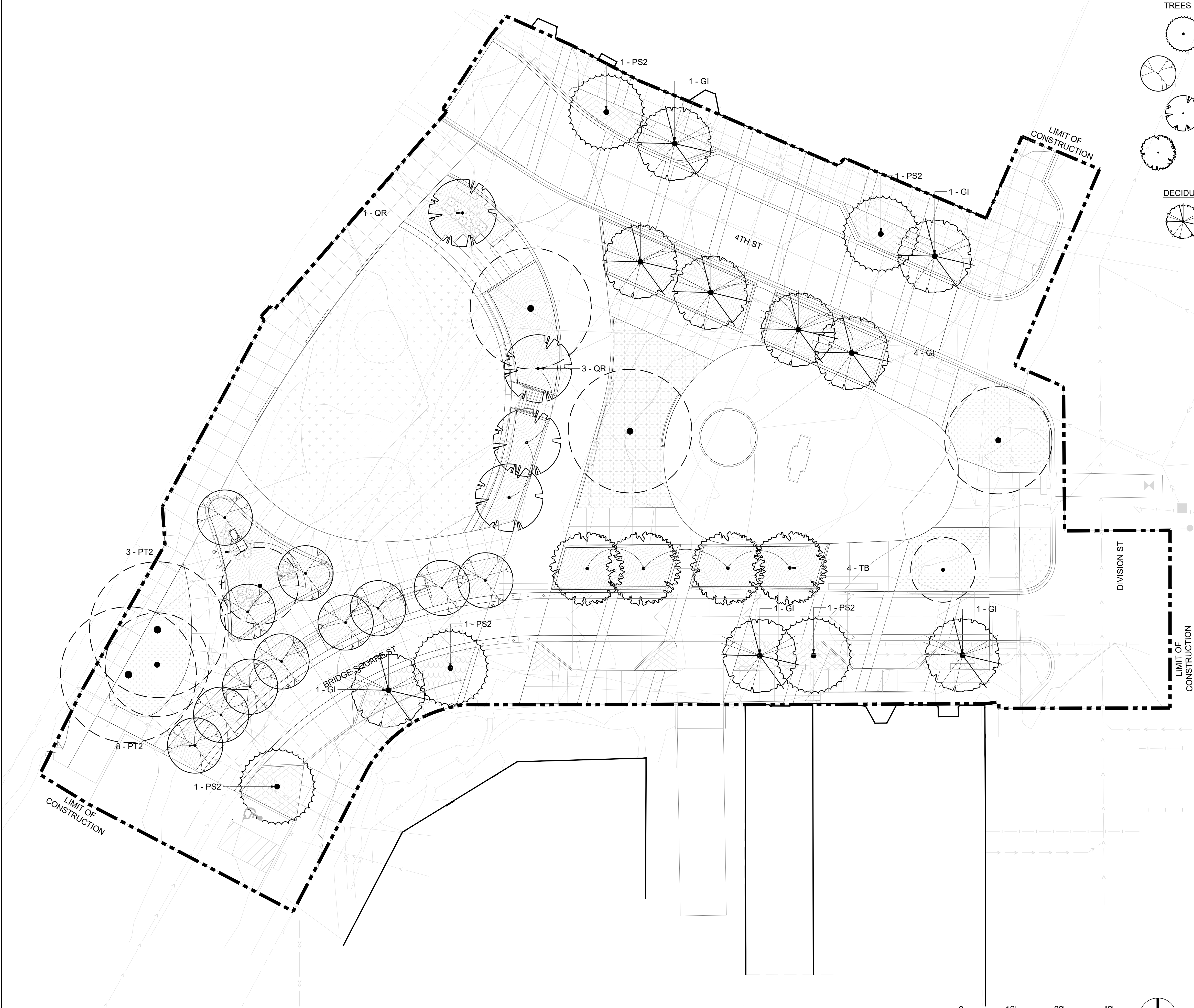
L140

SITE TREE PLAN LEGEND

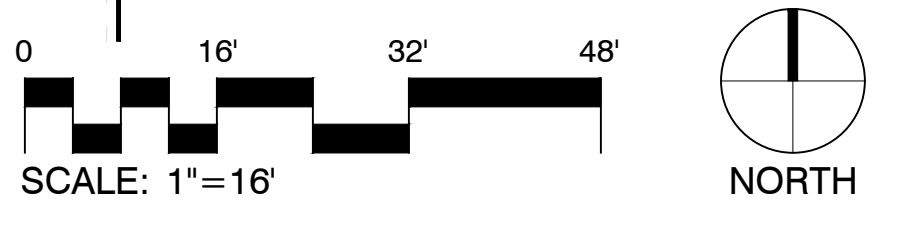
TREES	CODE	BOTANICAL / COMMON NAME	SIZE
	PS2	PINUS SYLVESTRIS SCOTCH PINE	12' HEIGHT
	PT2	POPULUS TREMULOIDES QUAKING ASPEN	4" CAL.
	QR	QUERCUS RUBRA RED OAK	5" CAL.
	TB	TILIA AMERICANA 'BOULEVARD' BOULEVARD LINDEN	5" CAL.
DECIDUOUS TREES	CODE	BOTANICAL / COMMON NAME	SIZE
	GI	GLEDITSIA TRIACANTHOS INERMIS 'SKYCOLE'™ SKYLINE THORNLESS HONEY LOCUST	5" CAL.
		EXISTING TREE TO REMAIN	

NOTES:

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- REFER TO L002 FOR LANDSCAPE NOTES.
- REFER TO L003 FOR TREE PRESERVATION PLAN, NOTES & DETAILS.
- PROVIDE EROSION CONTROL BLANKET AT SEEDED AREAS 3:1 AND STEEPER. PROVIDE NATIVE STRAW/ HYDROMULCH AT SEEDED AREAS SLOPED LESS THAN 3:1.
- PROVIDE ROADBED DECOMPACTION TO MINIMUM DEPTH OF 12".
- TREE, SHRUB AND PERENNIAL PLANTINGS TO BE PROVIDED AND INSTALLED BY OWNER. SEEDING, RESTORATION, AND SOIL PREP TO BE PROVIDED AND INSTALLED BY CONTRACTOR.
- PLANT MATERIAL, MULCH, SOILS, AND COMPOST SHALL BE INSPECTED FOR JUMPING WORMS PRIOR TO PLACEMENT AND DISTRIBUTION OF MATERIALS ON SITE. INSPECTION SHALL BE PERFORMED BY LANDSCAPE ARCHITECT. NOTIFY LA MINIMUM OF 48 HRS PRIOR TO MATERIAL ARRIVAL. SEE SPECIFICATIONS FOR SUBMITTAL REQUIREMENTS. JUMPING WORMS ARE AN UNCLASSIFIED INVASIVE SPECIES IN MINNESOTA AND PROVIDE A THREAT TO NATURAL ECOSYSTEMS.



01 SITE TREE PLAN
1" = 16'-0"



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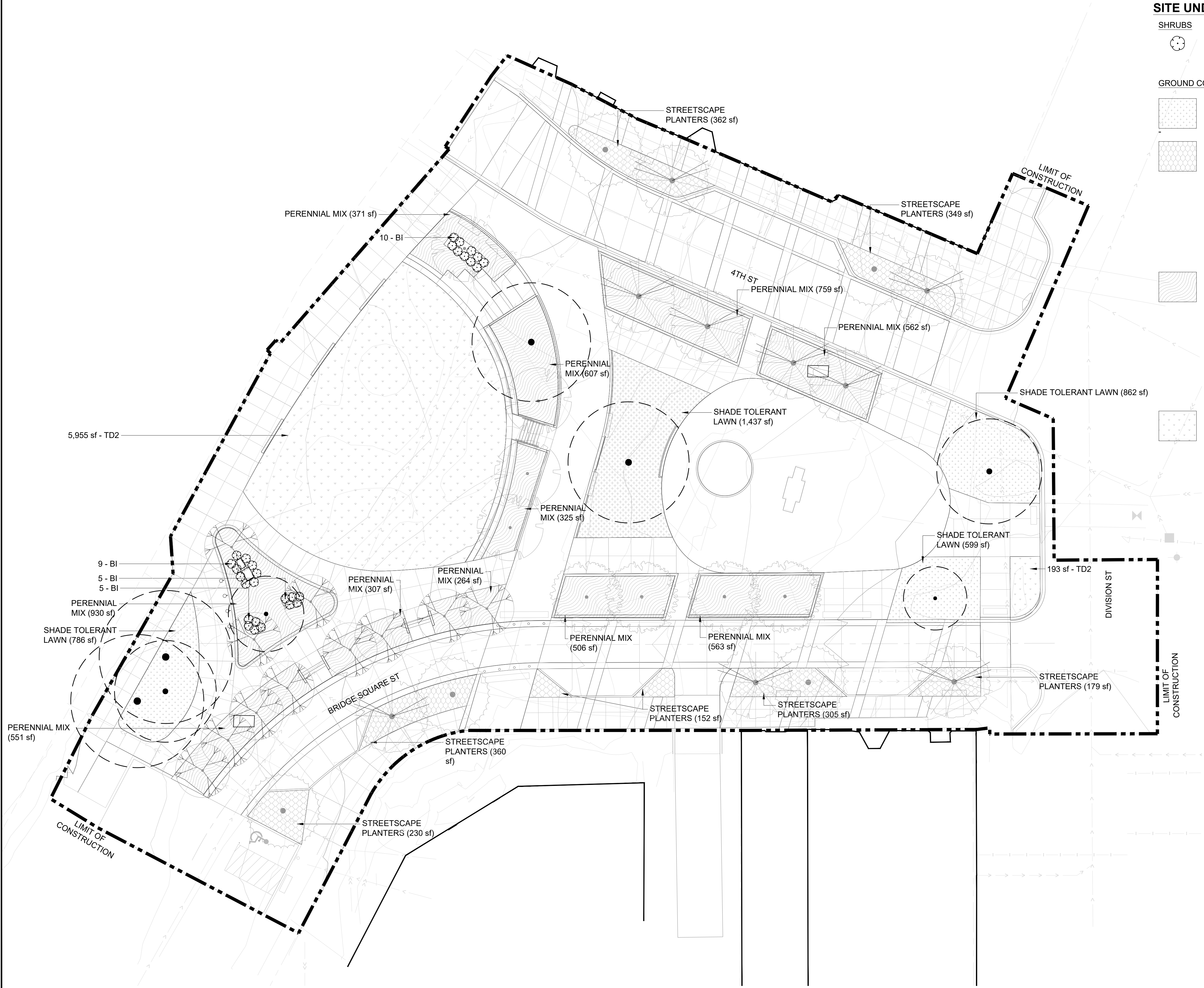
SITE UNDERSTORY PLANTING

L141

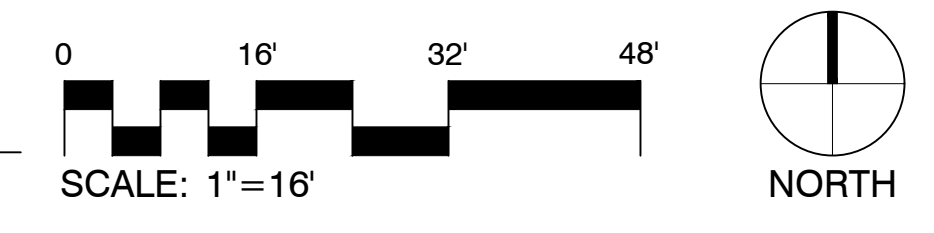
SITE UNDERSTORY PLANTING LEGEND

SHRUBS	CODE	BOTANICAL / COMMON NAME
	BI	BAPTISIA X 'INDIGO SPIRES' INDIGO SPIRES WILD INDIGO

GROUND COVERS	CODE	BOTANICAL / COMMON NAME
		SHADE TOLERANT LAWN
	EP	STREETSCAPE PLANTERS ECHINACEA PURPUREA CONEFLOWER
	LA3	LIATRIS ASPERA ROUGH BLAZING STAR
	NW2	NEPETA X 'WALKER'S LOW' WALKER'S LOW CATMINT
	RB	RUDBECKIA FULGIDA CONEFLOWER
	SH3	SPOROBOLUS HETEROLEPIS PRAIRIE DROPSEED
	AM3	PERENNIAL MIX ALLIUM X 'MILLENNIUM' MILLENNIUM ORNAMENTAL ONION
	CP2	CAREX PENNSYLVANICA PENNSYLVANIA SEDGE
	GT2	GEUM TRIFLORUM PRAIRIE SMOKE
	MD	MONARDA DIDYMA BEE BALM
	NW3	NEPETA X 'WALKER'S LOW' WALKER'S LOW CATMINT
	ZA2	ZIZIA AUREA GOLDEN ALEXANDER
	TD2	TURF SEED DROUGHT TOLERANT DWARF FESCUE BLEND



01 SITE UNDERSTORY PLANTING
1" = 16'-0"



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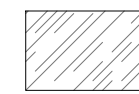
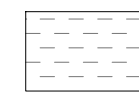
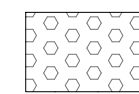

REVISION	

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**SITE
IRRIGATION
PLAN**

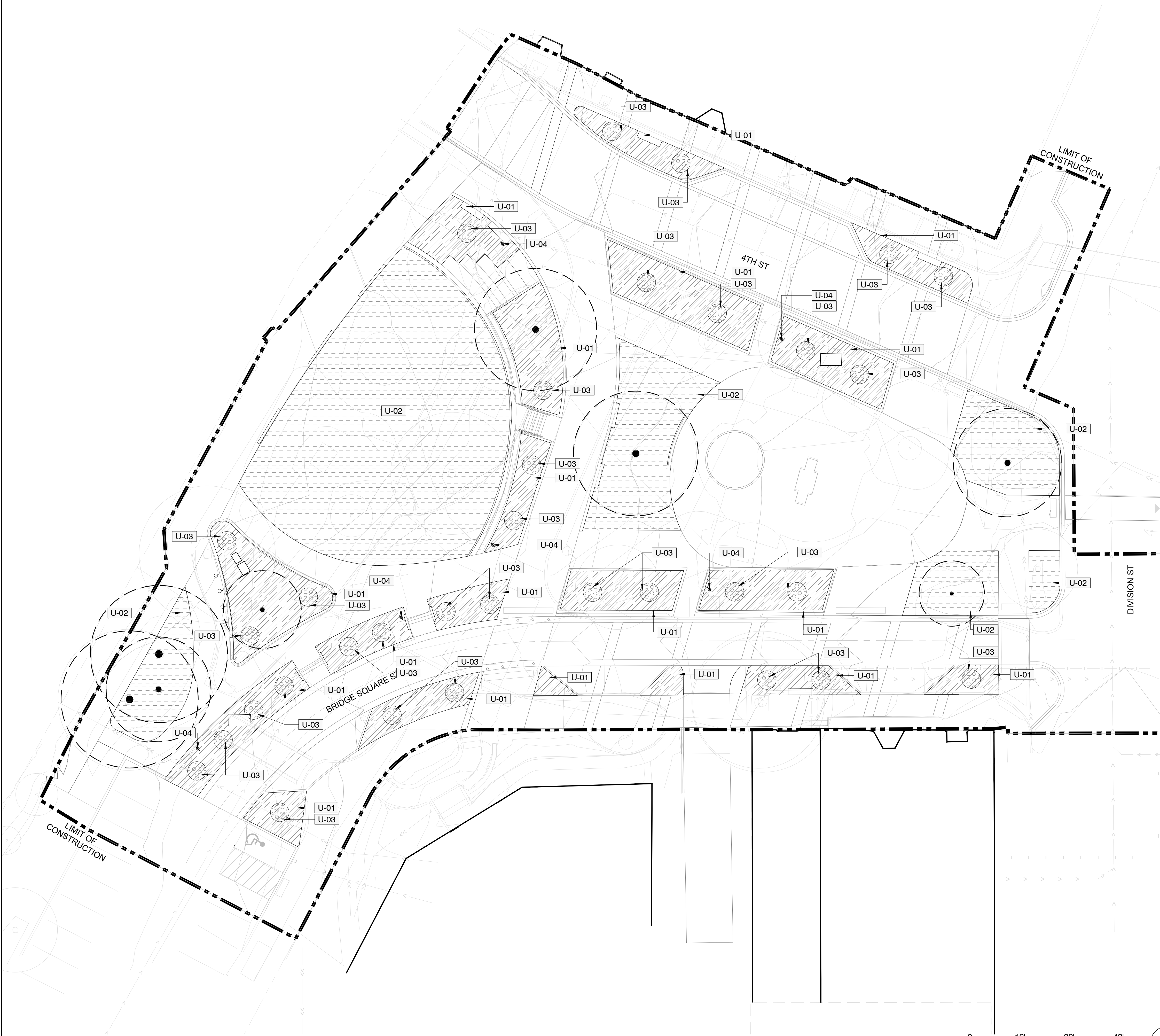
L150

SITE IRRIGATION PLAN LEGEND

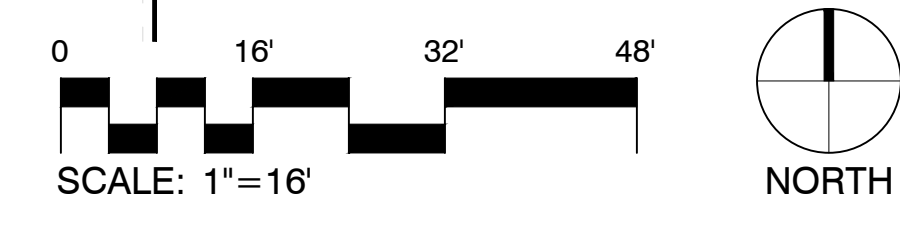
SYMBOL	DESCRIPTION	MATERIAL PROFILE
	U-01 SITE IRRIGATION TYPE 01	DRIP IRRIGATION
	U-02 SITE IRRIGATION TYPE 02	POP-UP SPRAY IRRIGATION
	U-03 SITE IRRIGATION TYPE 03	BUBBLER IRRIGATION
	U-04 SITE IRRIGATION - QUICK COUPLER	HOSE HOOK UP

NOTES:

1. CONTROLLER LOCATION TBD
2. POINT OF CONNECTION TBD



01 SITE IRRIGATION PLAN
1" = 16'-0"



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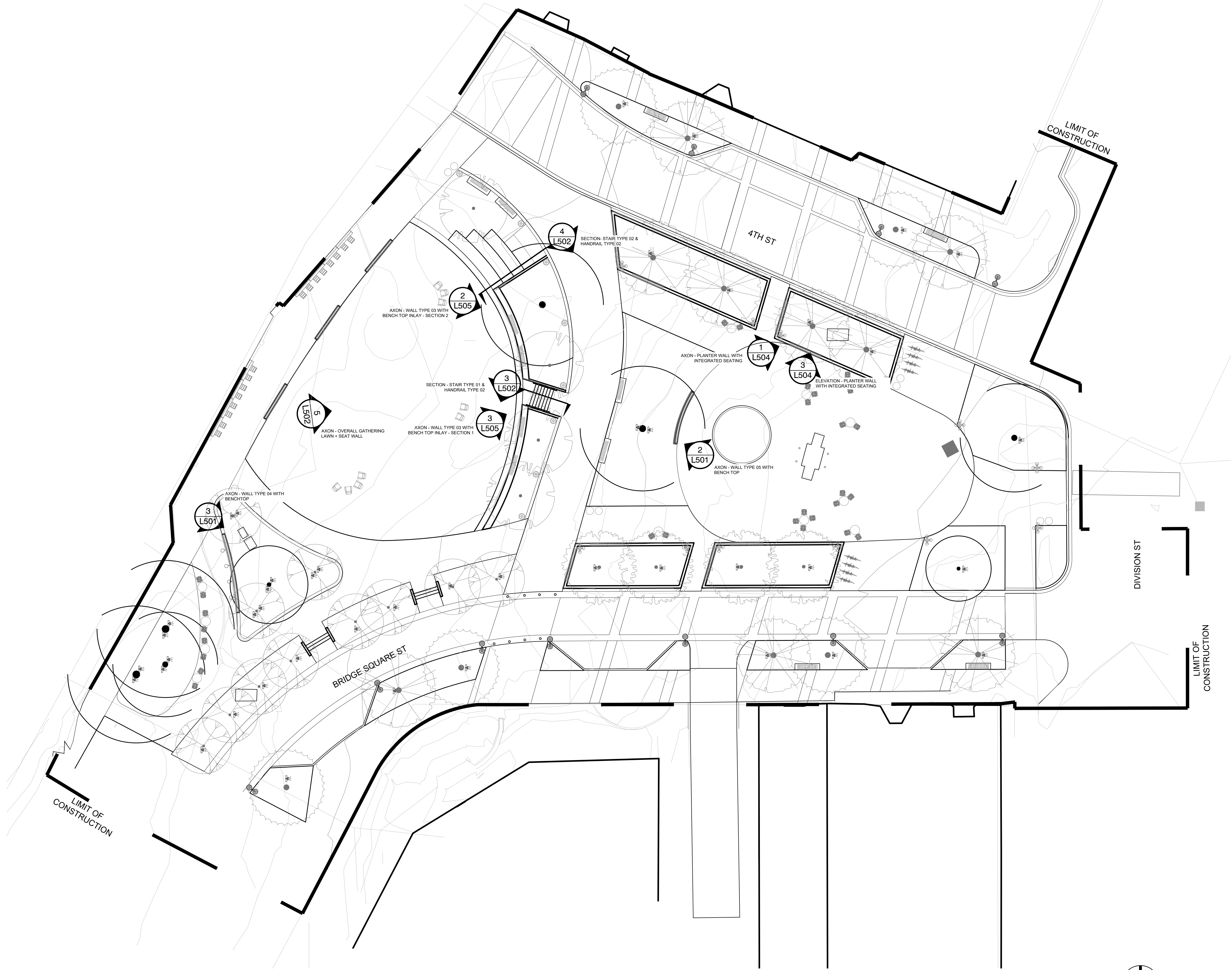
Drawn/Checked RP/AG/BE/RB

REVISION	

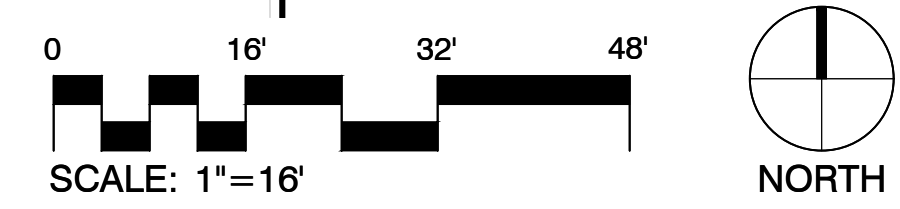
**NOT FOR
CONSTRUCTION**

**SITE
SECTIONS
KEY PLAN**

L400



01 SITE SECTIONS KEY PLAN
1" = 16'-0"



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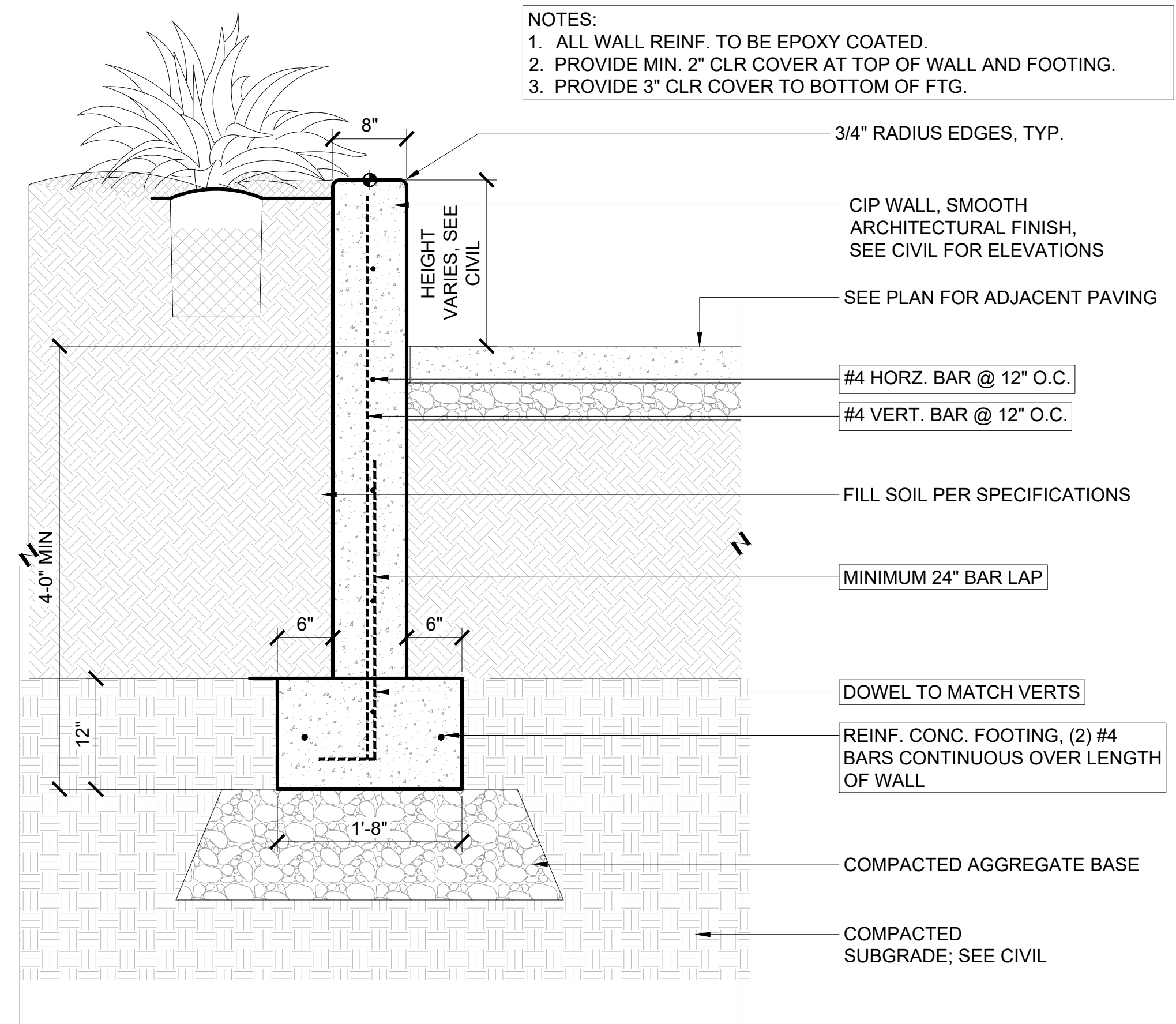
Drawn/Checked RP/AG/BE/RB

REVISION _____

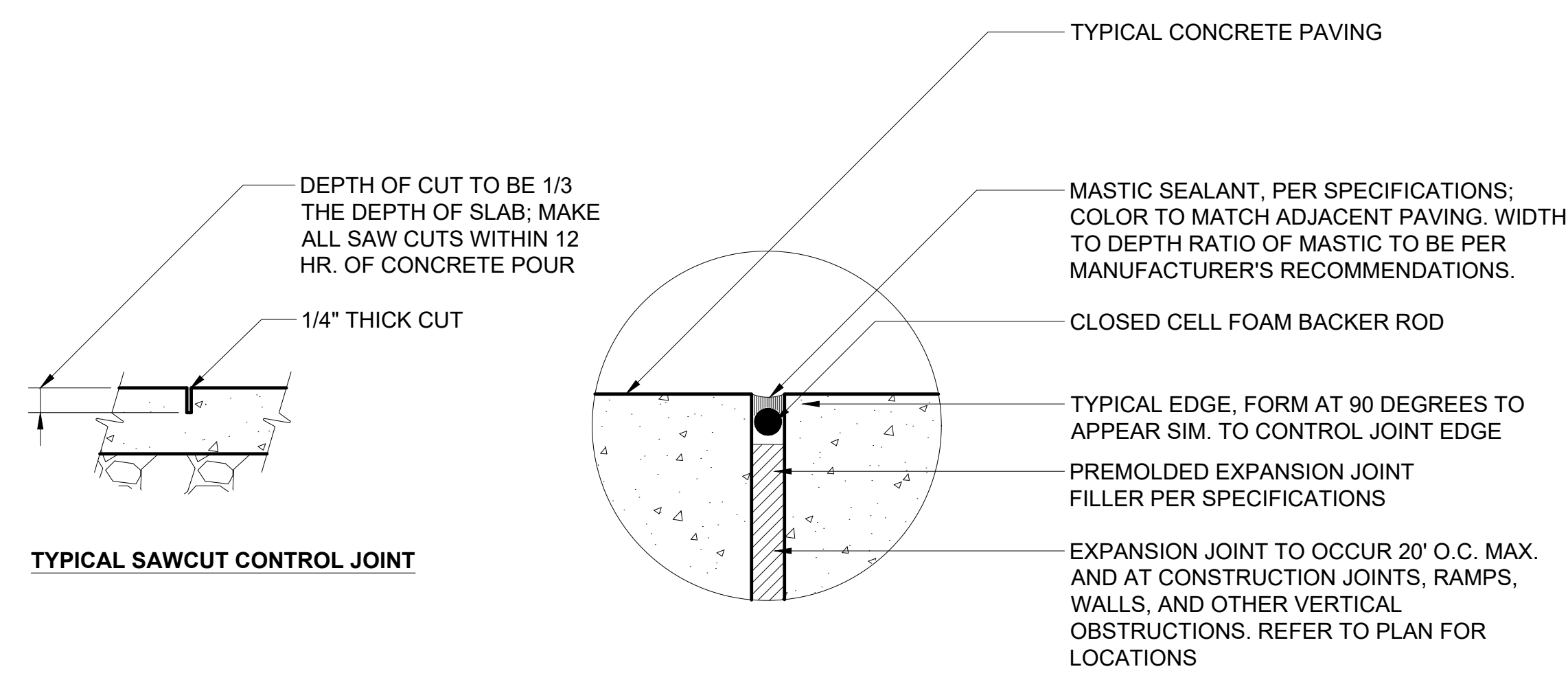
NOT FOR CONSTRUCTION

SITE DETAILS

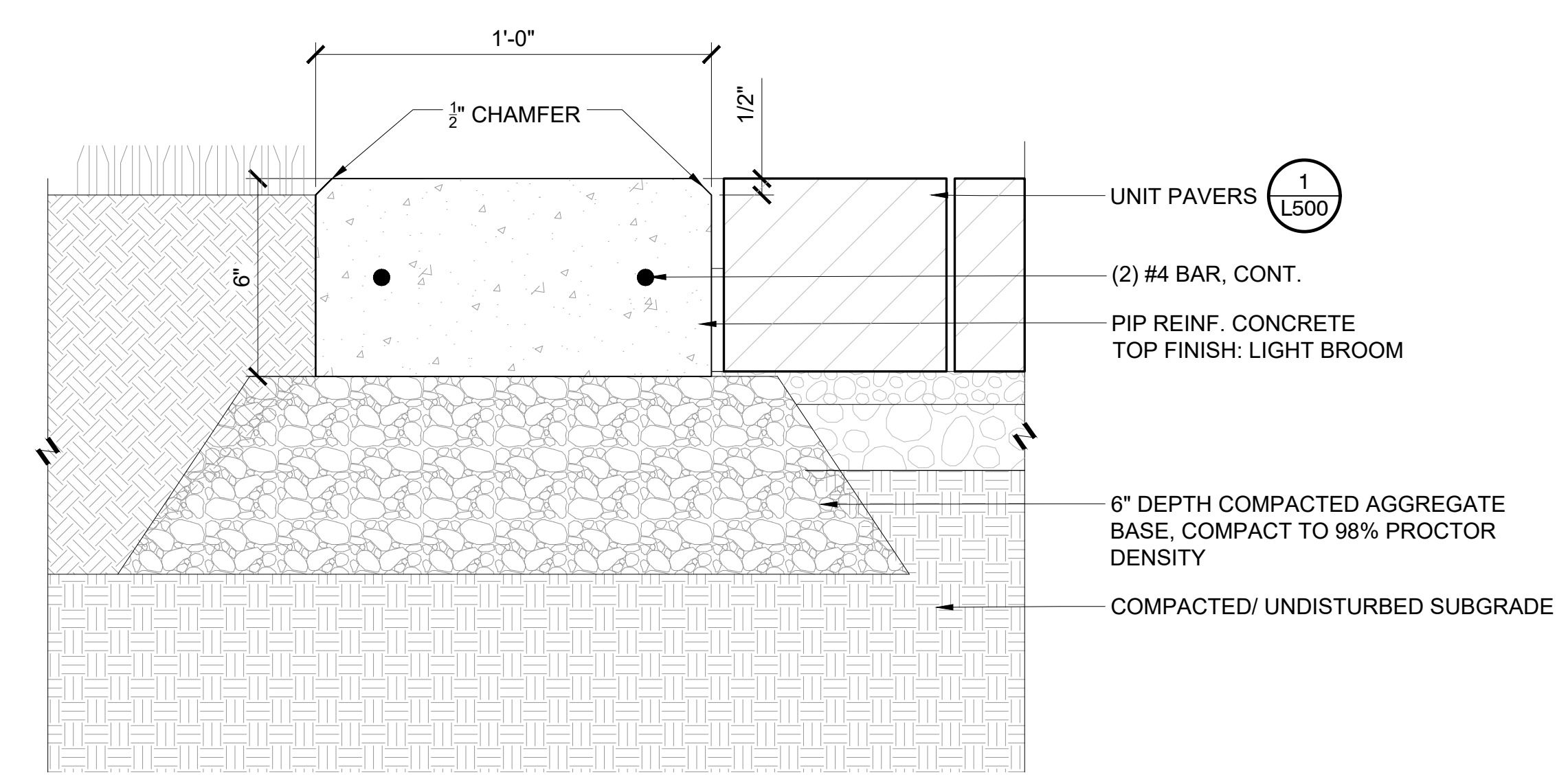
L500



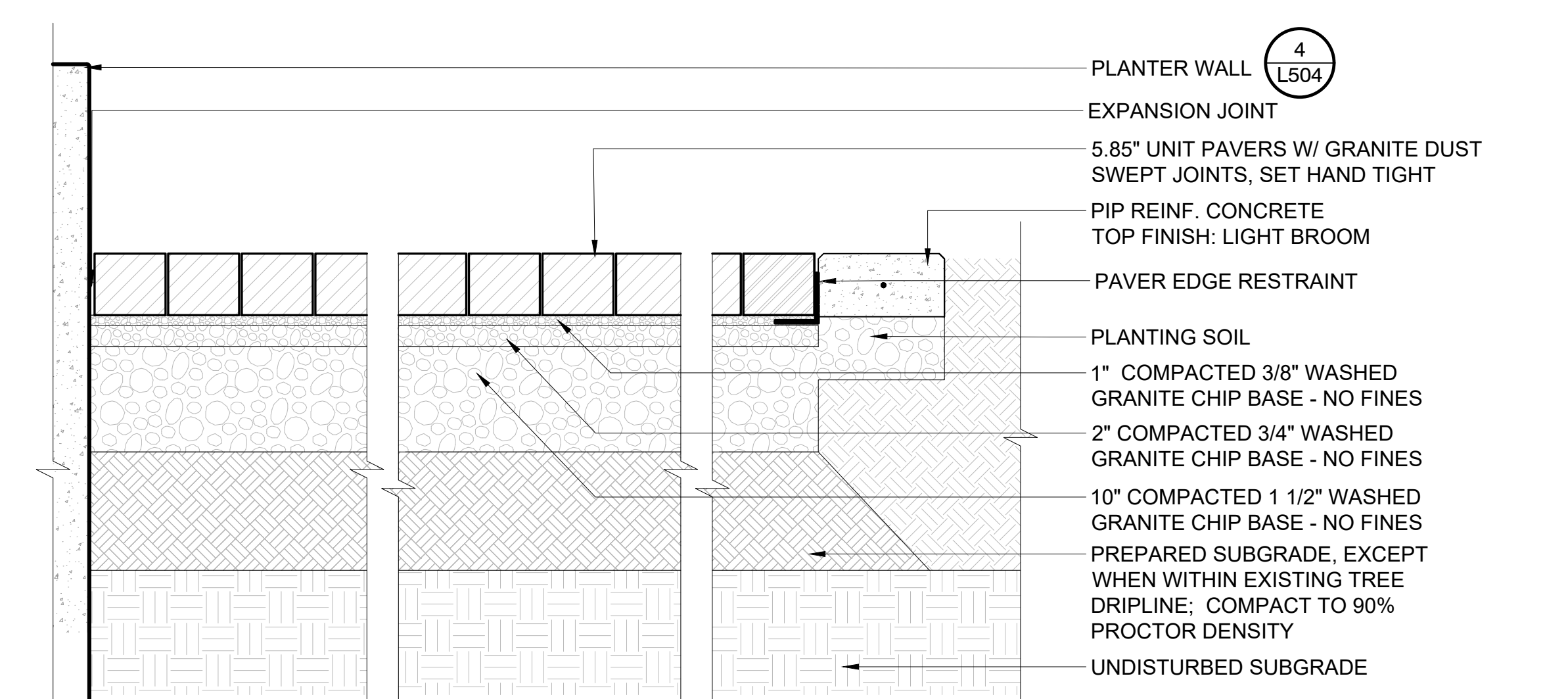
4 WALL TYPE 02 - 8" CIP WALL
1" = 1'-0" P-22 184-118



2 DETAIL - TYPICAL CONCRETE JOINTING
NTS P-22 184-05



3 EDGER TYPE 02 - FLUSH CONCRETE CURB
3" = 1'-0" P-22 184-20



1 DETAIL - PAVING TYPE 05A, 05B - CONCRETE UNIT PAVING
1" = 1'-0" P-22 184-08

60% PRICING SET

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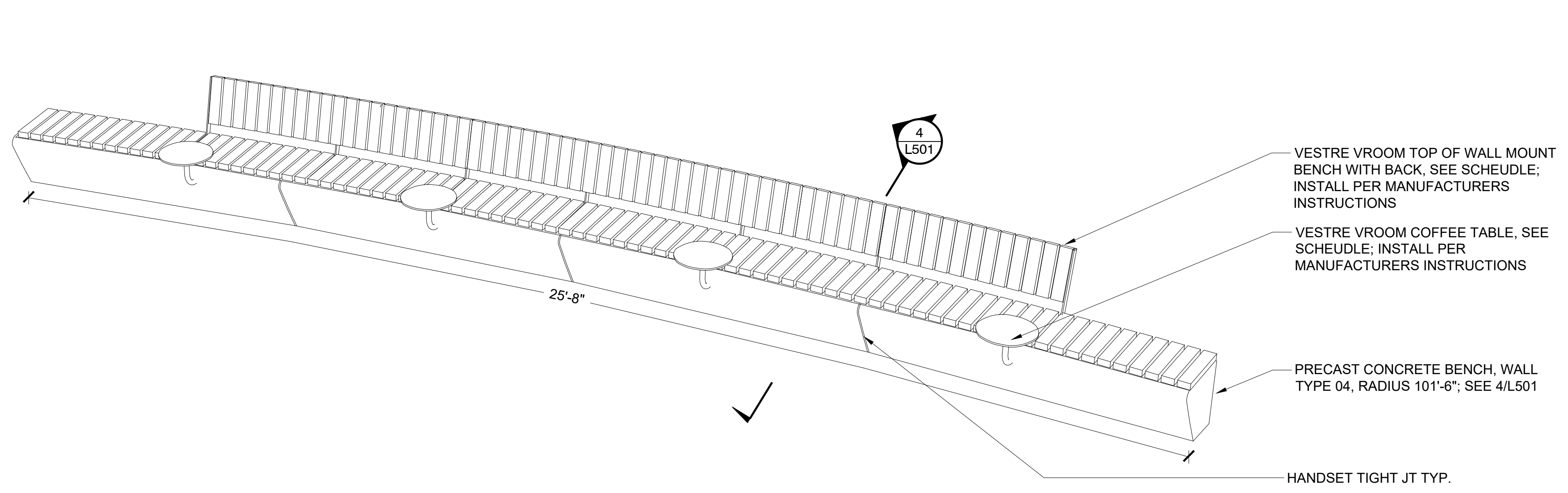
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REVISION _____

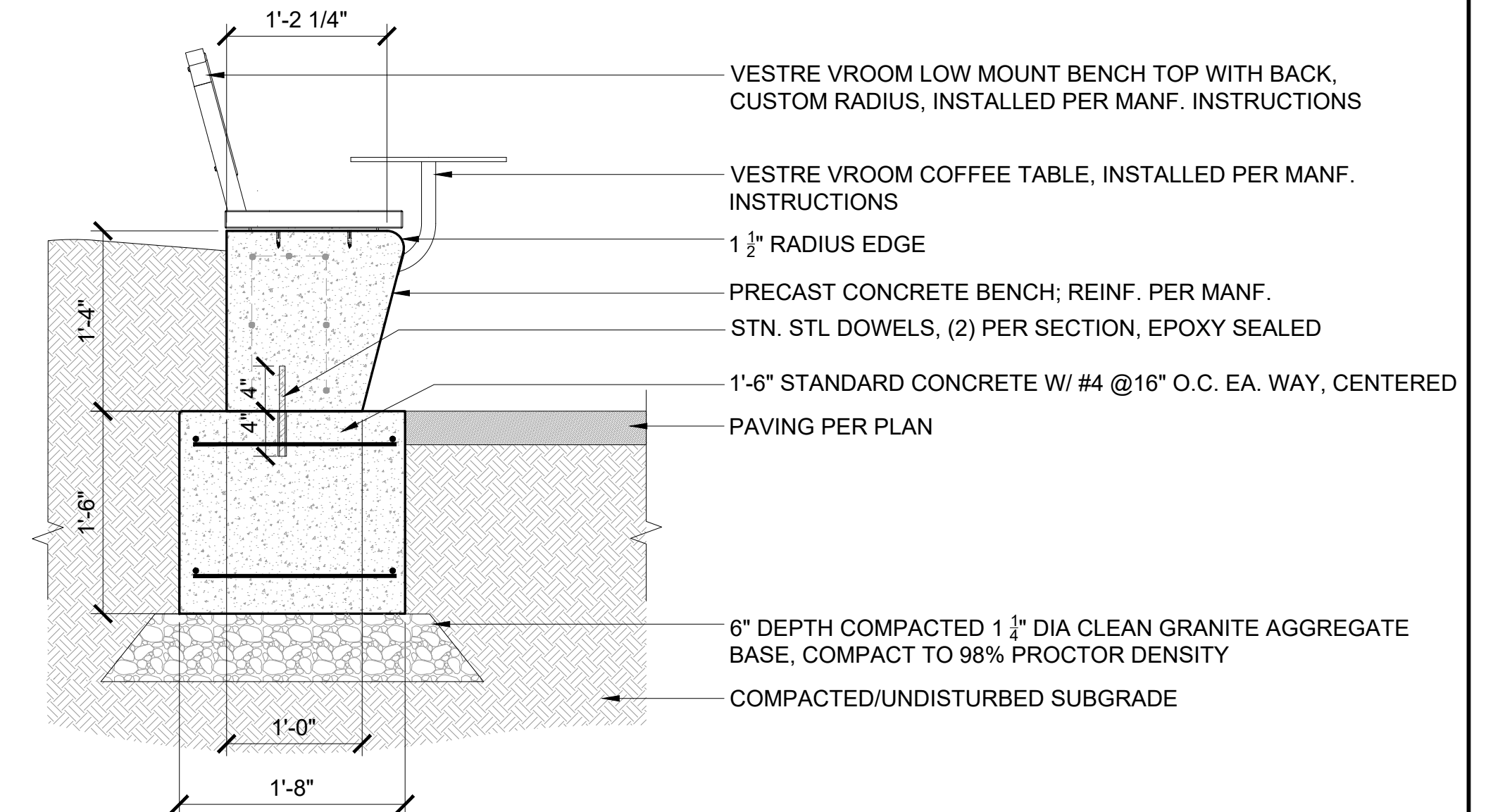
NOT FOR CONSTRUCTION

SITE DETAILS

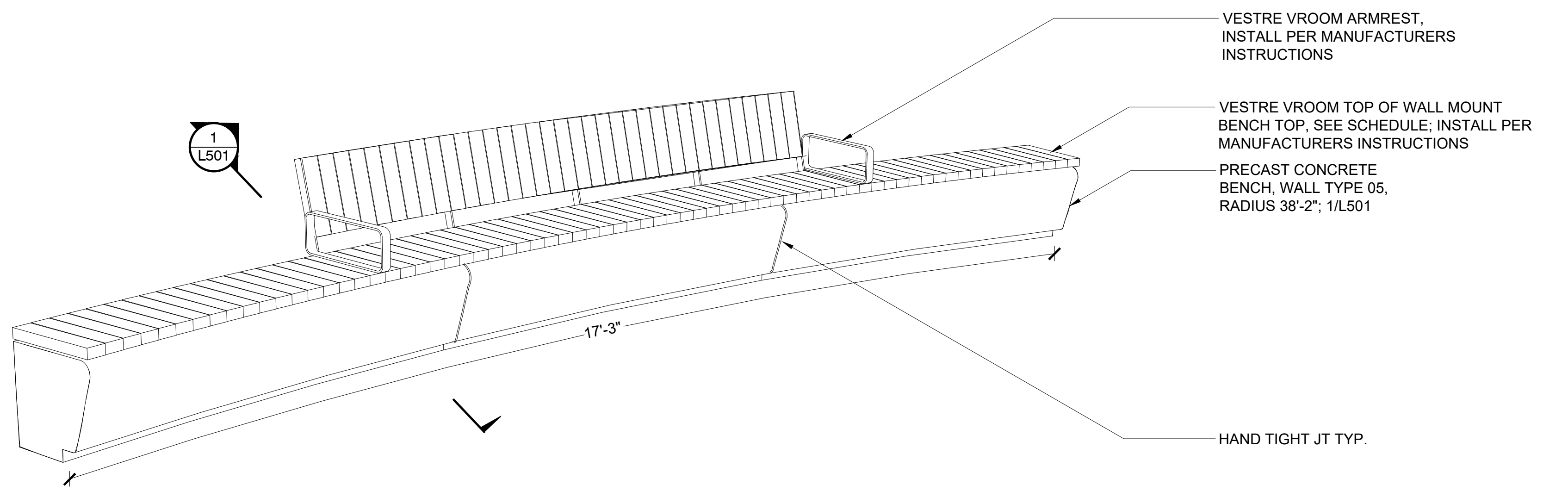
L501



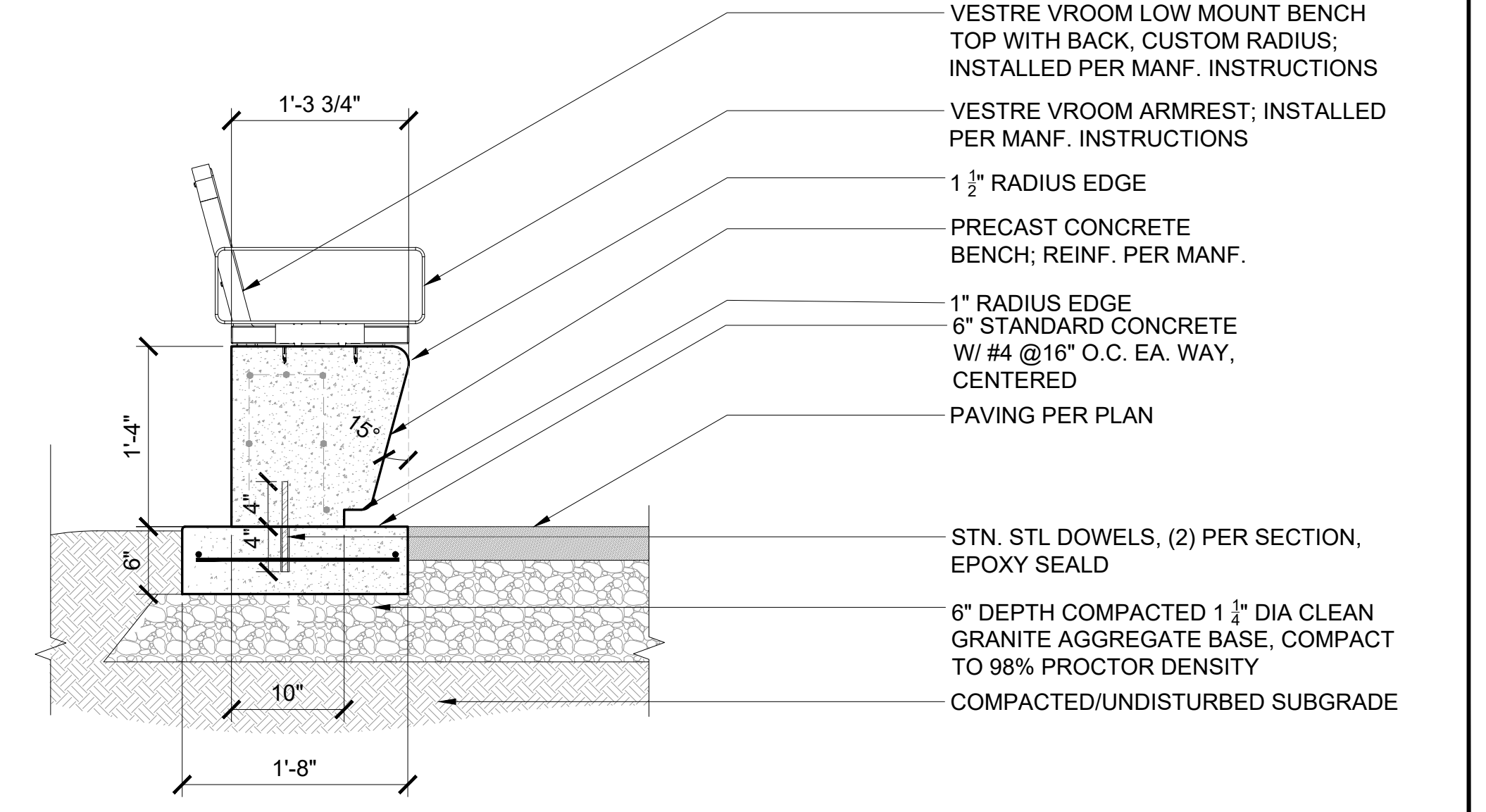
3 AXON - WALL TYPE 04 WITH BENCH TOP
NTS P-22 184-110



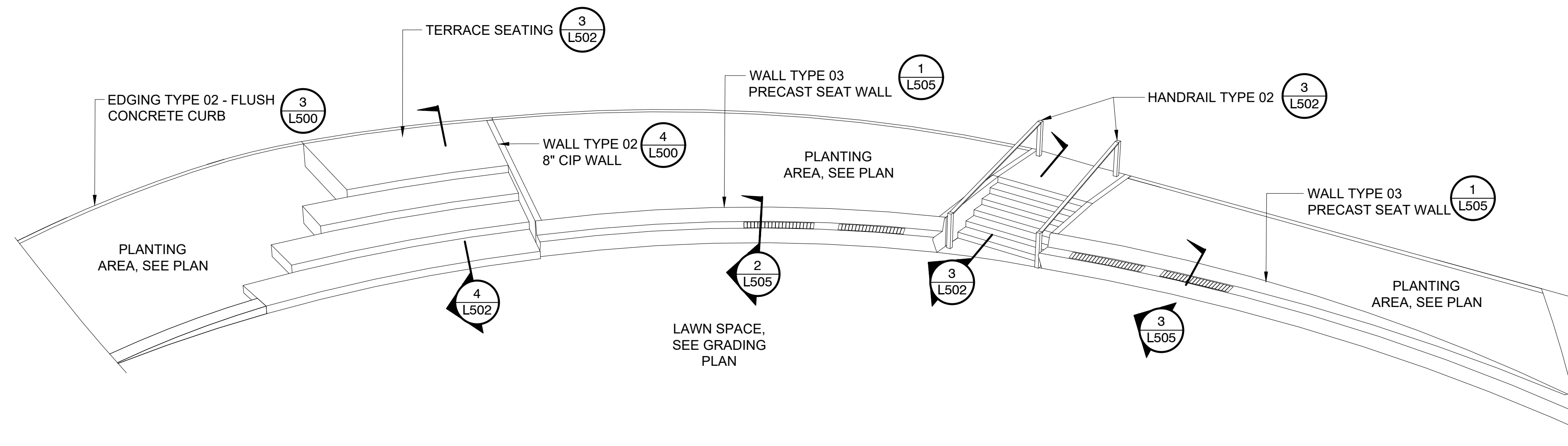
4 DETAIL- WALL TYPE 04 WITH BENCH TOP + COFFEE TABLE
1" = 1'-0" P-22 184-117



2 AXON - WALL TYPE 05 WITH BENCH TOP
NTS P-22 184-105

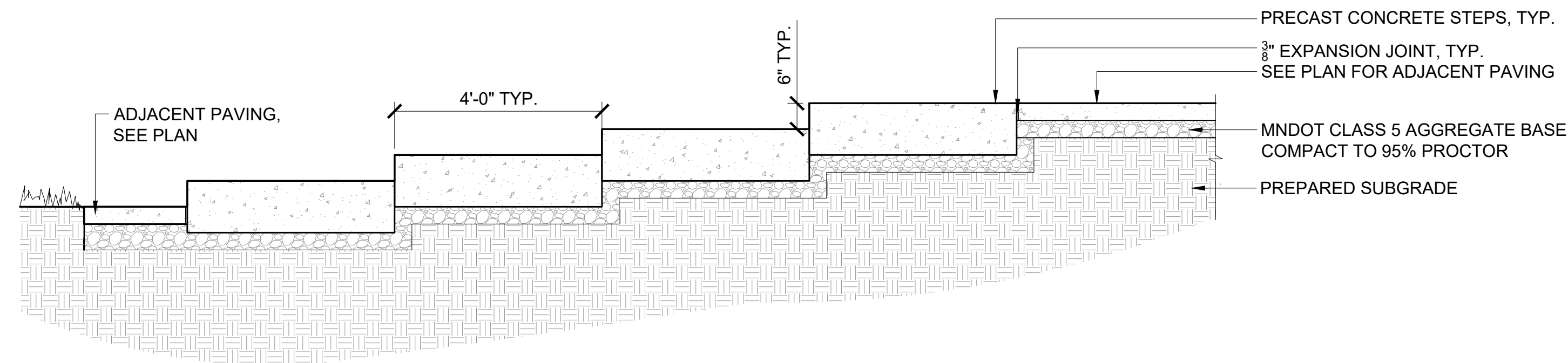


1 DETAIL- WALL TYPE 05 WITH BENCH TOP
1" = 1'-0" P-22 184-101

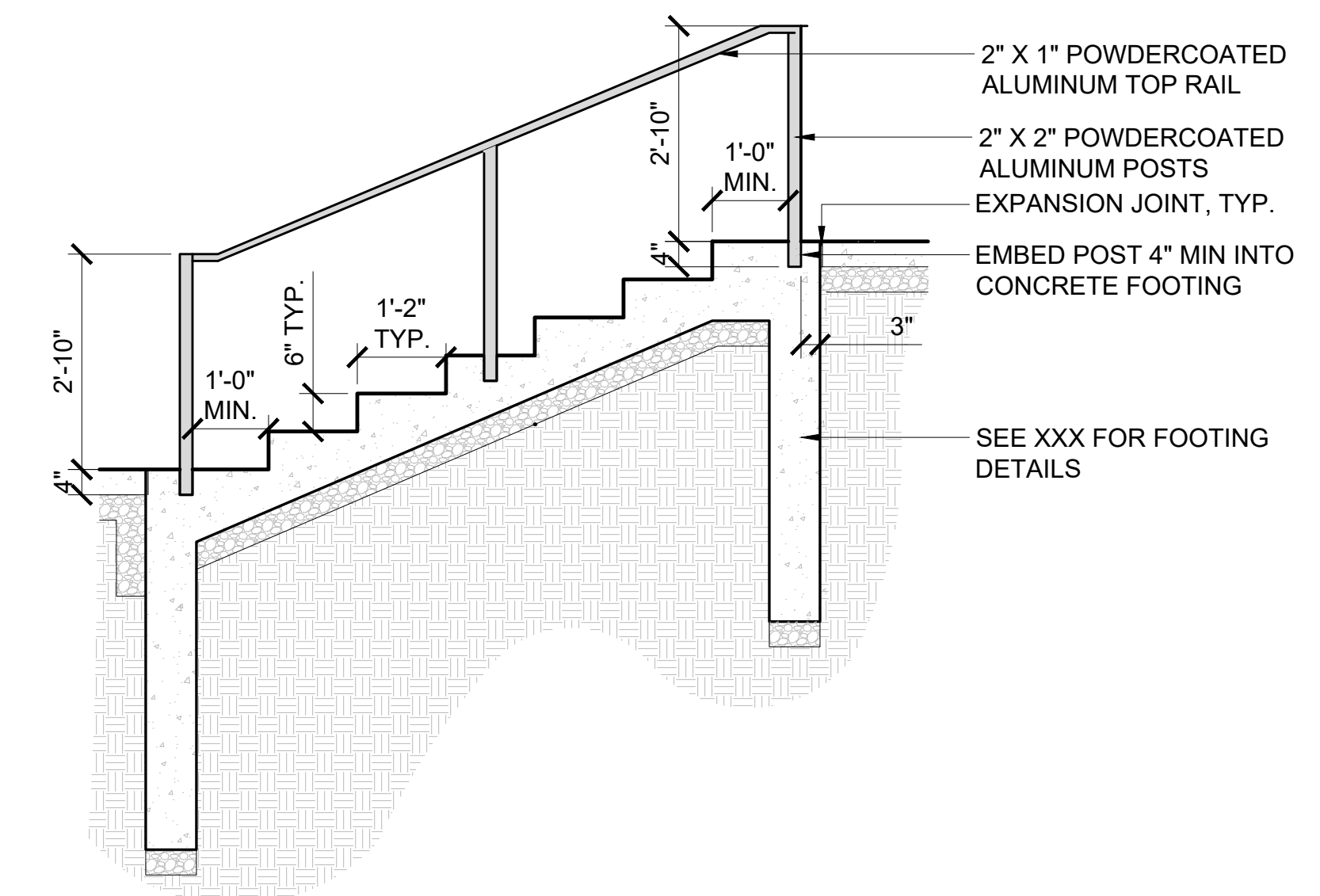


5 AXON - OVERALL GATHERING LAWN + SEAT WALL
NTS

P-22 184-106



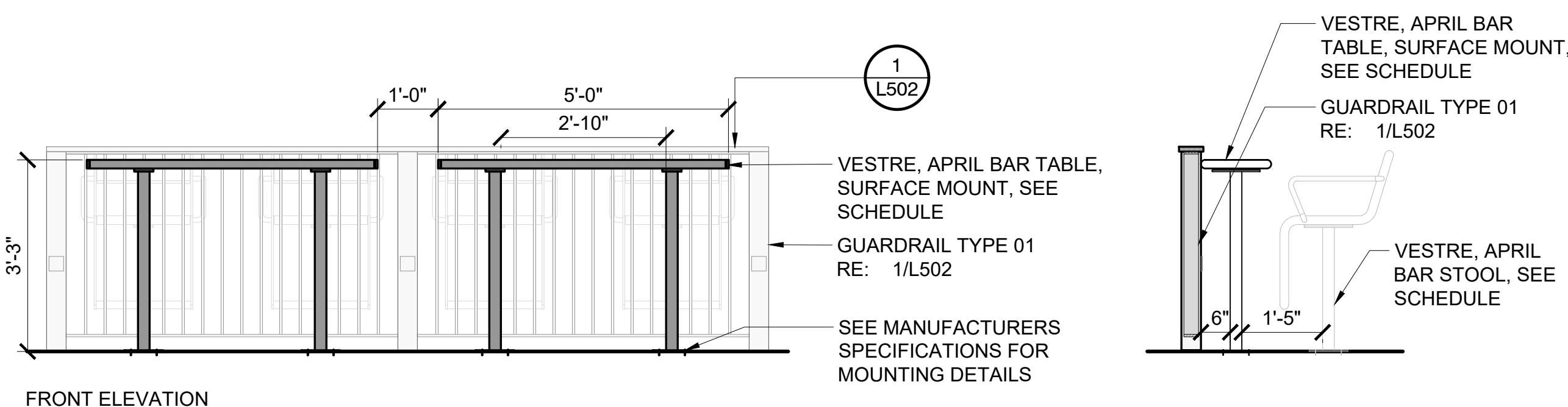
4 STAIR TYPE 02 - OVERSIZED STEPS AT LAWN
1/2" = 1'-0"



3 STAIR TYPE 01 & HANDRAIL TYPE 02 - DETAIL
1/2" = 1'-0"

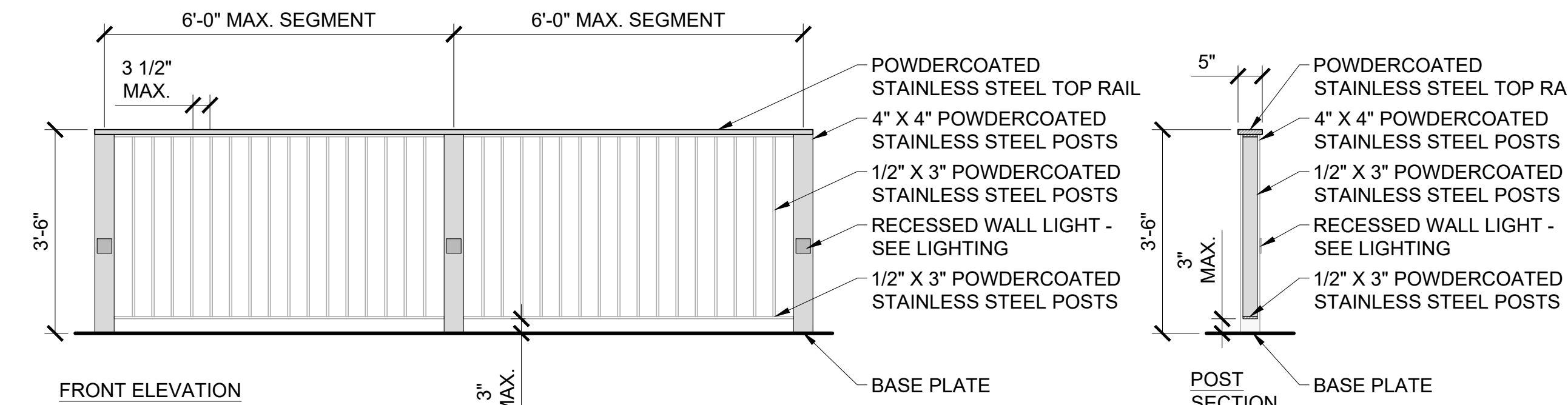
P-22 184-104

P-22 184-112



2 DETAIL - BAR HEIGHT TABLE AT GUARDRAIL
1/2" = 1'-0"

P-22 184-99



1 DETAIL - GUARDRAIL
1/2" = 1'-0"

P-22 184-98

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Name Tom Whitlock

Registration# 26292

Signature _____ Date _____

09/26/2023

DF/ Project # 22-184

Scale AS SHOWN

Drawn/Checked RP/AG/BE/RB

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SITE DETAILS

L502

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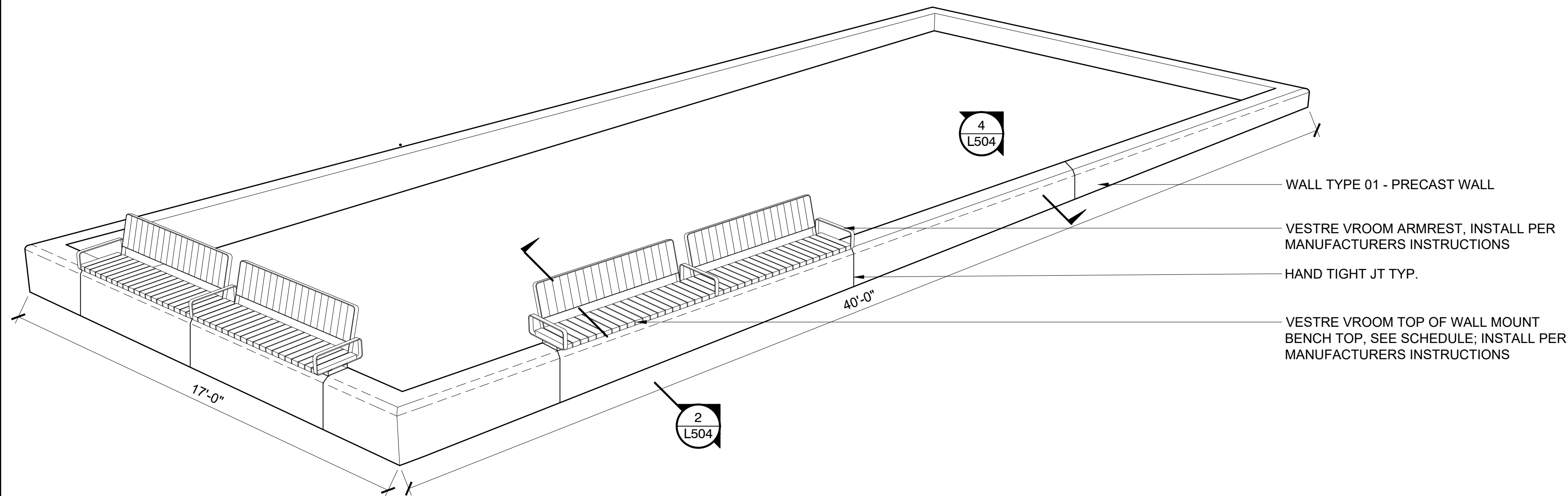
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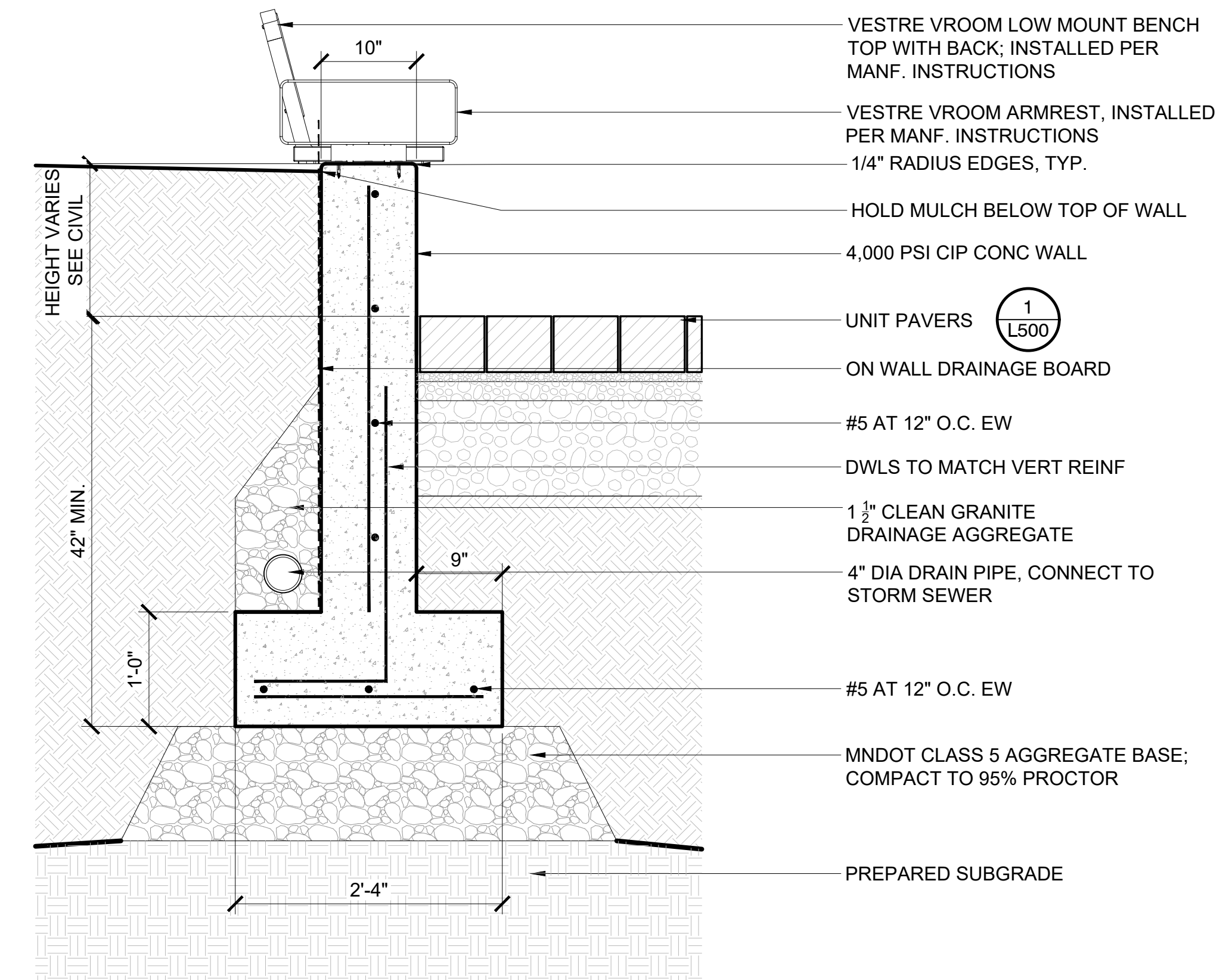
L504



1 AXON - PLANTER WALL WITH INTEGRATED SEATING - TYPICAL

NTS

P-22 184-109

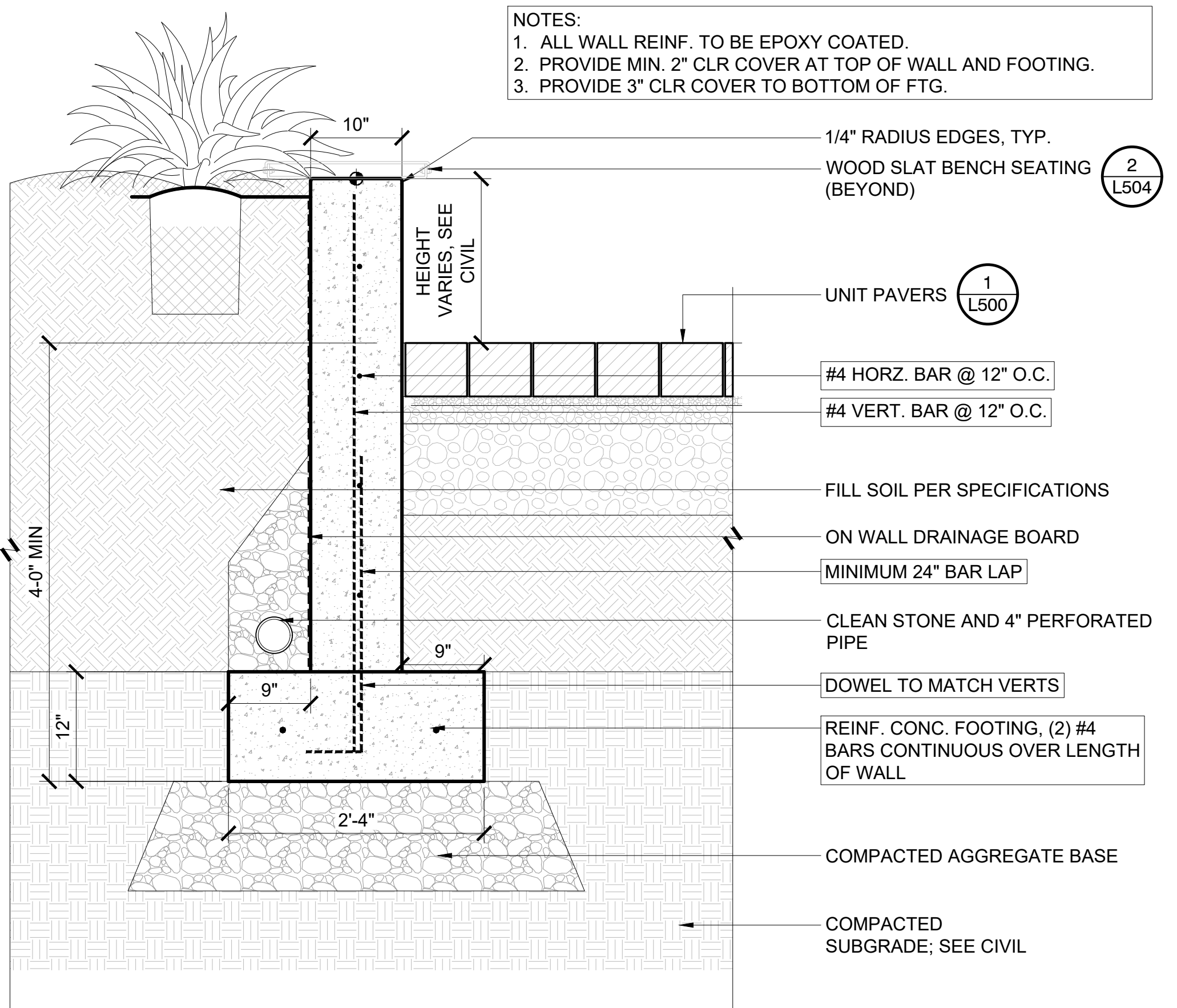


2 WALL TYPE 01 - PRECAST PLANTER WALL WITH BENCH TOP

1" = 1'-0"

P-22 184-114

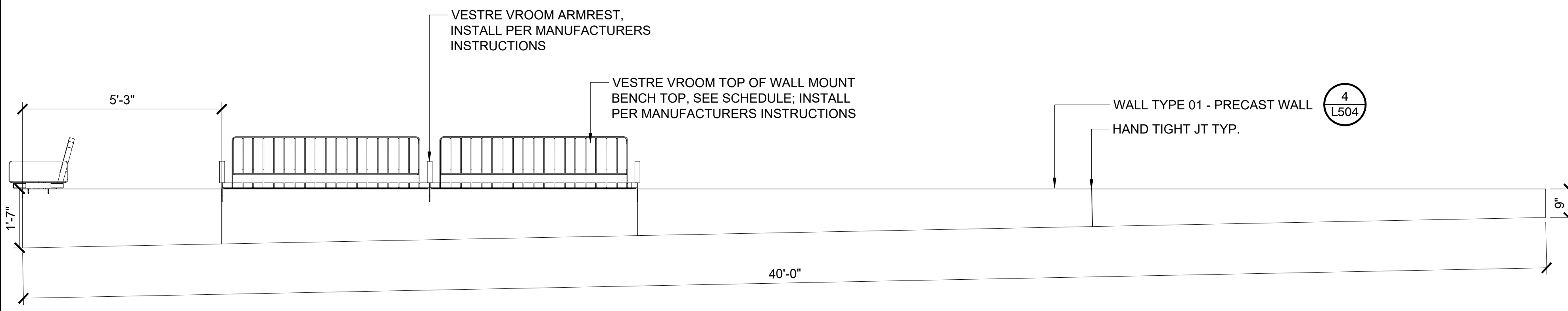
- NOTES:
1. ALL WALL REINF. TO BE EPOXY COATED.
2. PROVIDE MIN. 2" CLR COVER AT TOP OF WALL AND FOOTING.
3. PROVIDE 3" CLR COVER TO BOTTOM OF FTG.



4 WALL TYPE 01 - PRECAST PLANTER WALL

1" = 1'-0"

P-22 184-29



3 ELEVATION - PLANTER WALL WITH INTEGRATED SEATING - TYPICAL

NTS

P-22 184-111

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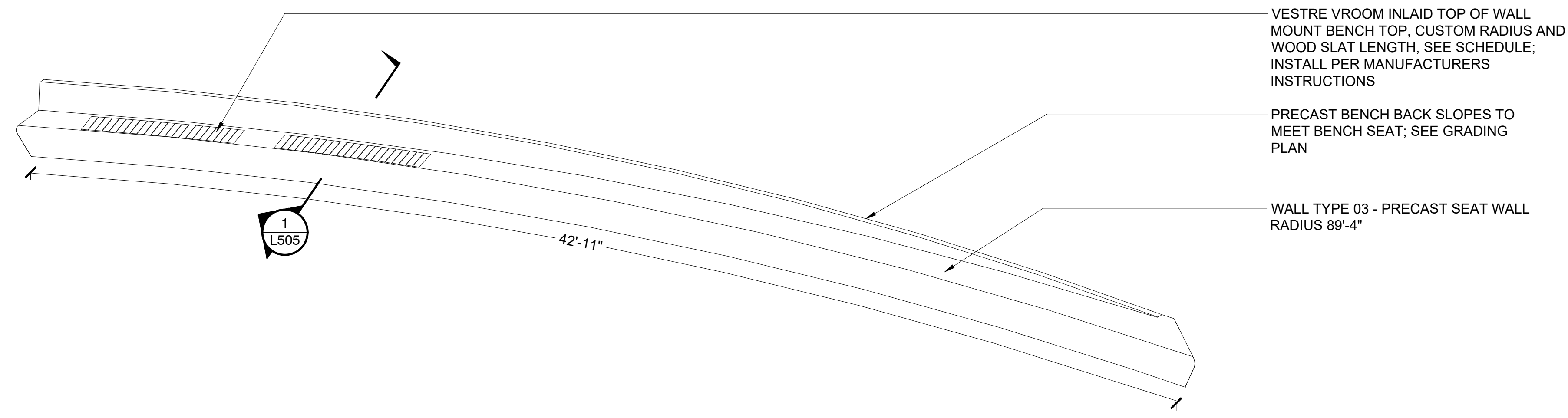
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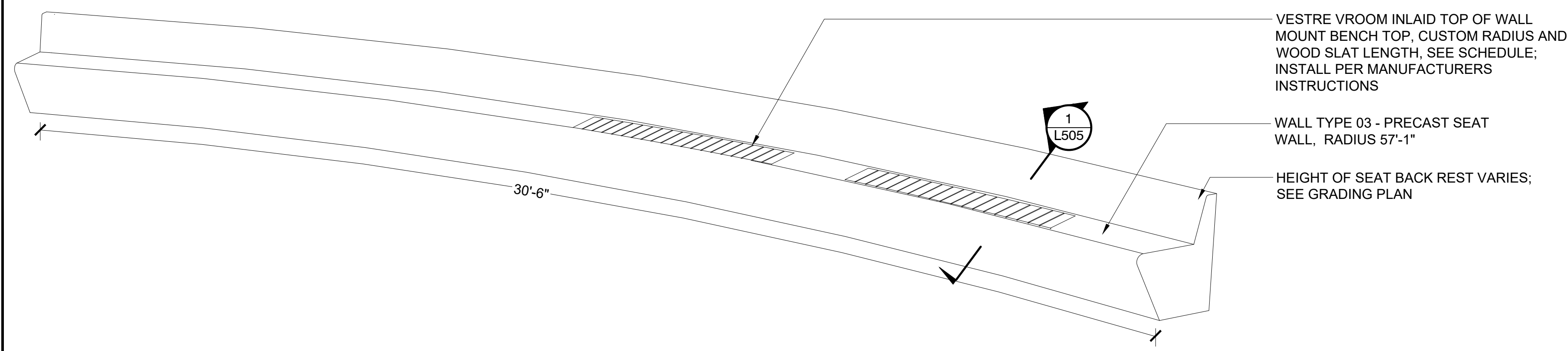
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SITE DETAILS

L505

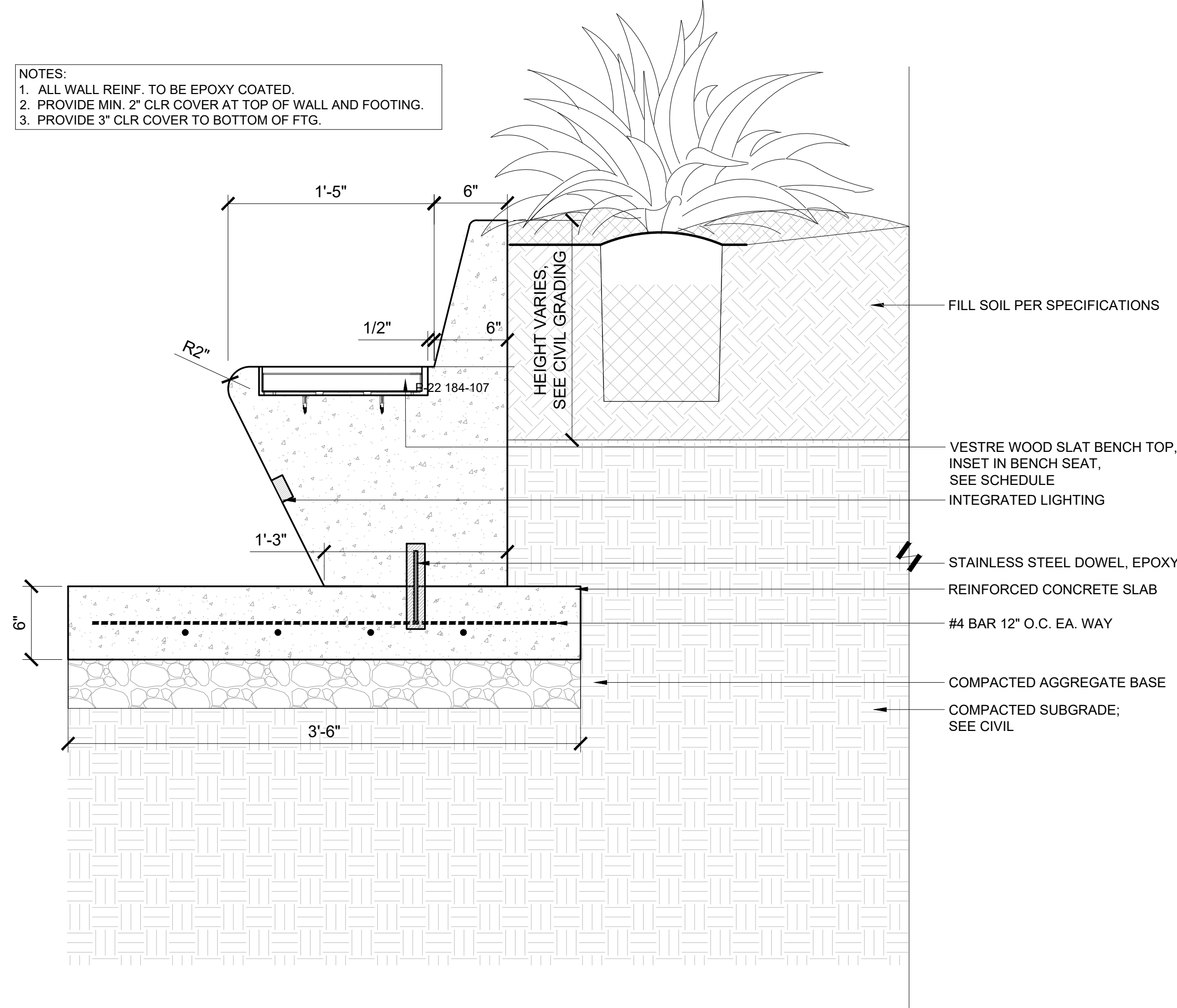


3 AXON - WALL TYPE 03 WITH BENCH TOP INLAY - SECTION 1
NTS

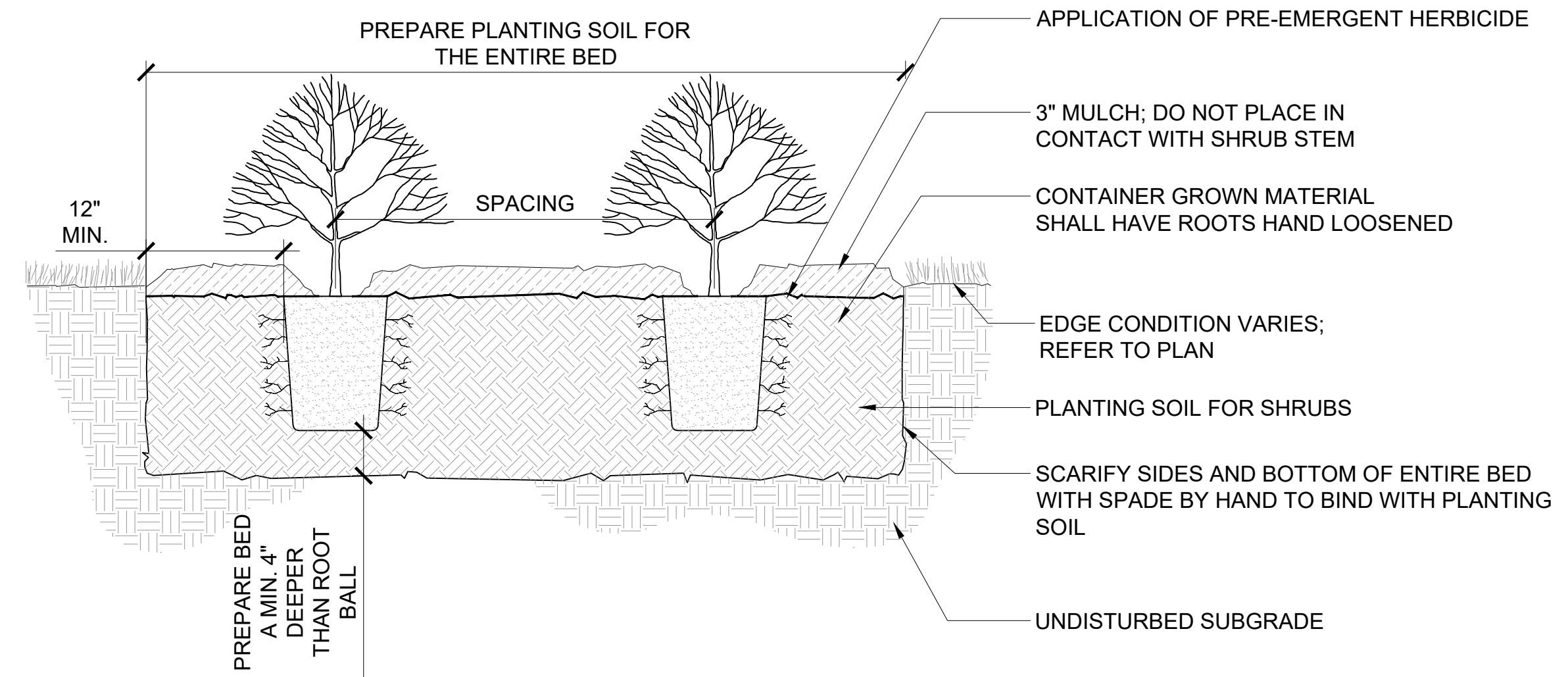


2 AXON - WALL TYPE 03 WITH BENCH TOP INLAY - SECTION 2
NTS

NOTES:
1. ALL WALL REINF. TO BE EPOXY COATED.
2. PROVIDE MIN. 2" CLR COVER AT TOP OF WALL AND FOOTING.
3. PROVIDE 3" CLR COVER TO BOTTOM OF FTG.

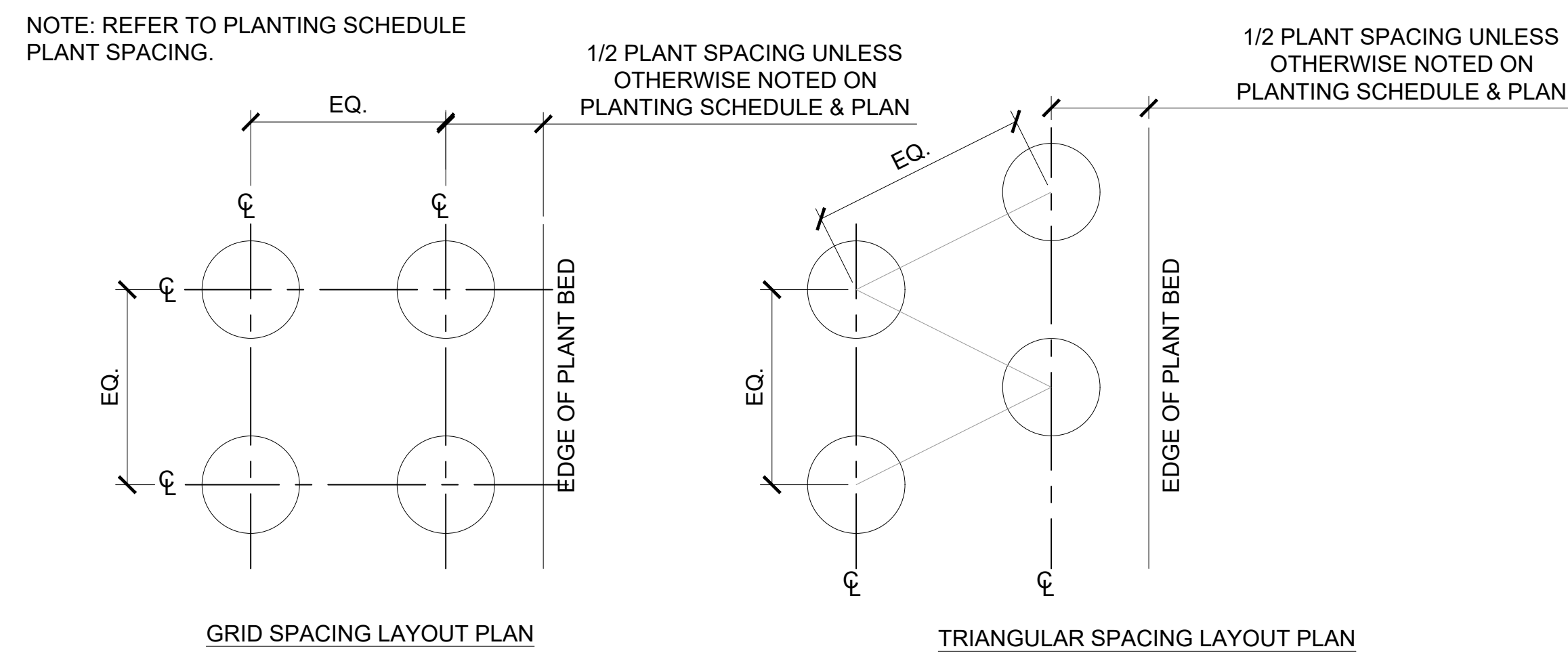


1 WALL TYPE 03 - PRECAST SEAT WALL, GATHERING LAWN
1 1/2" = 1'-0" P-22 184-108 P-22 184-103



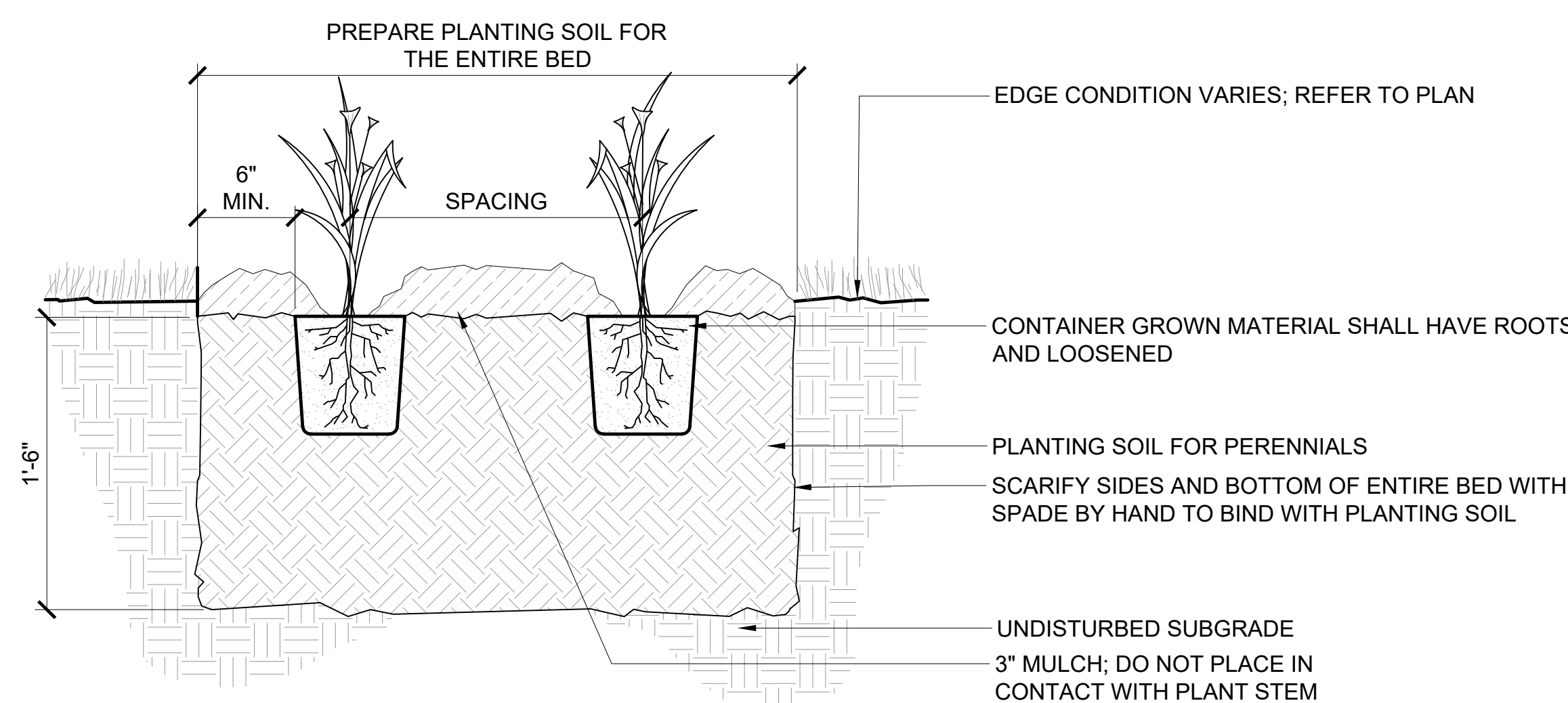
2 DETAIL - SHRUB PLANTING
1" = 1'-0"

P-22 184-14



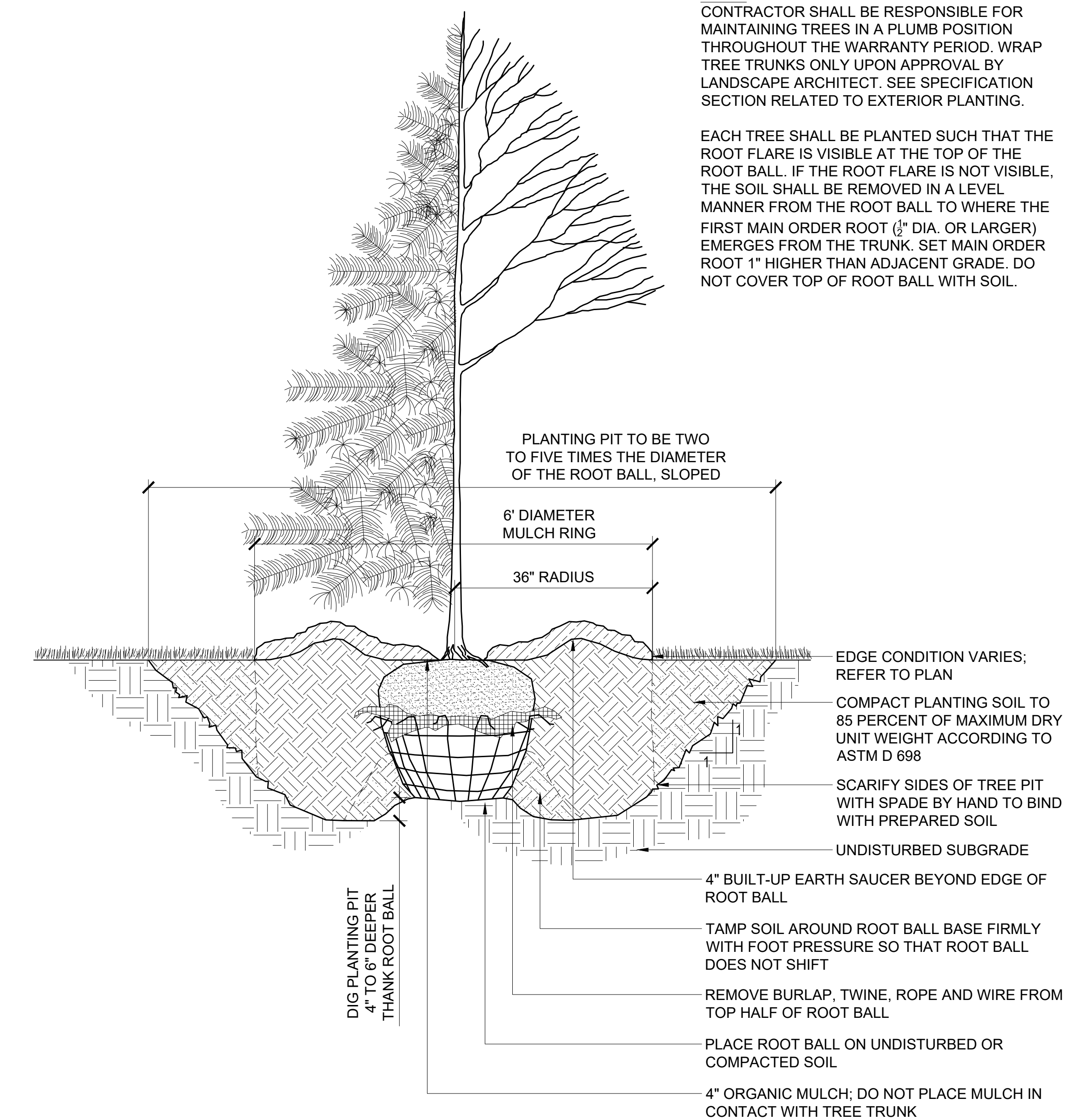
3 DETAIL - PLANT SPACING
3/4" = 1'-0"

P-22 184-12



3 DETAIL - PERENNIAL PLANTING
1 1/2" = 1'-0"

P-22 184-16



1 TREE PLANTING DETAIL
3/4" = 1'-0"

P-22 184-10

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DF/ Project # 22-184

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SITE
LANDSCAPE
DETAILS

L506

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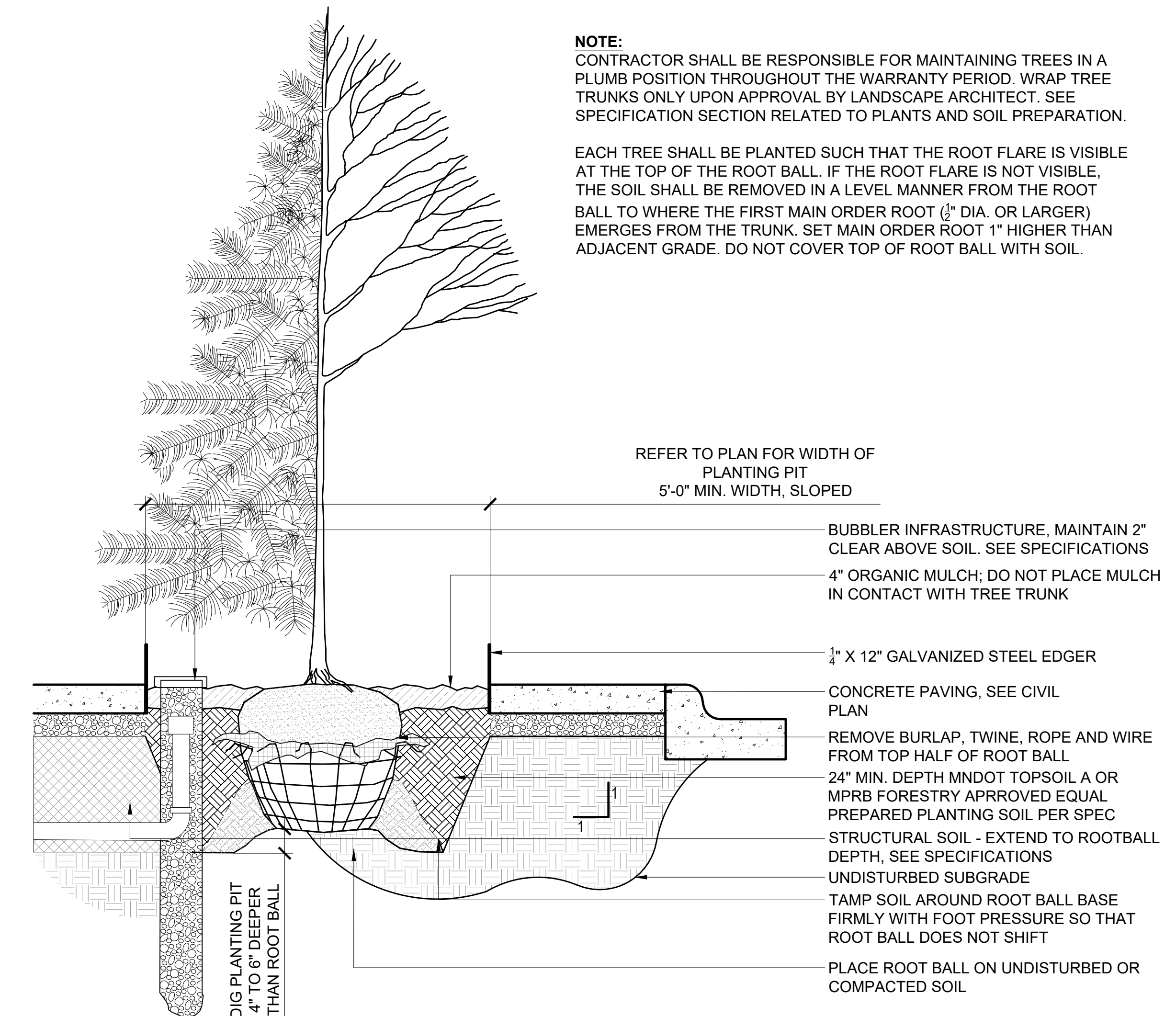
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REVISION _____

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CONSTRUCTION**

**SITE
LANDSCAPE
DETAILS**

L507



1 DETAIL - TREE PLANTING IN STREETScape
3/4" = 1'-0"

ELECTRICAL SYMBOLS

LIGHTING SYMBOLS		SYSTEMS SYMBOLS		SYSTEMS SYMBOLS		POWER SYMBOLS	
MNT	SYMBOL DESCRIPTION	MNT HT	SYMBOL DESCRIPTION	MNT HT	SYMBOL DESCRIPTION	MNT HT	SYMBOL DESCRIPTION
	STRIP FLUORESCENT	80"	VISUAL ANNUNCIATOR	18"	TELEPHONE OUTLET	18"	RECEPTACLE - SIMPLEX
	WALL MOUNTED FLUORESCENT	80"	AUDIBLE/VISUAL ANNUNCIATOR	54"	TELEPHONE OUTLET - WALL	18"	RECEPTACLE - DUPLEX
	1X4 FLUORESCENT	80"	MANUAL PULL		TELEPHONE OUTLET - FLOOR	18"	RECEPTACLE - QUADPLEX
	2X2 FLUORESCENT	48"	BELL/STROBE - CEILING MOUNTED	18"	TELEPHONE BACKBOARD	18"	RECEPTACLE - CEILING MOUNT
	2X4 FLUORESCENT		SMOKE DETECTOR - PHOTOELECTRIC		DATA OUTLET	18"	RECEPTACLE - DUPLEX EMERGENCY
	DOWNLIGHT		SMOKE DETECTOR - IONIZATION	18"	DATA OUTLET - FLOOR	18"	RECEPTACLE - QUADPLEX EMERGENCY
	WALL WASHER		DUCT SMOKE DETECTOR - PHOTOELECTRIC	18"	VOICE/DATA OUTLET	18"	RECEPTACLE - SWITCHED
	INT/EXT WALL FIXTURE/SCONCE		DUCT SMOKE DETECTOR - IONIZATION	18"	VOICE/DATA OUTLET - FLOOR	18"	COMPUTER RECEPTACLE - DUPLEX
	HIGH BAY		HEAT DETECTOR		DUAL DATA	18"	COMPUTER RECEPTACLE - DUPLEX CEILING MOUNT
	1X4 FLUORESCENT - EMERGENCY		DOOR HOLD OPEN		DUAL DATA - FLOOR		COMPUTER RECEPTACLE - QUADPLEX CEILING MOUNT
	2X2 FLUORESCENT - EMERGENCY		BELL	80"	CLOCK OUTLET		COMPUTER RECEPTACLE - DUPLEX FLOOR
	2X4 FLUORESCENT - EMERGENCY		HORN	80"	HORN		COMPUTER RECEPTACLE - QUADPLEX FLOOR
	STRIP/WRAP - EMERGENCY	80"	FIRE ALARM ANNUNCIATOR PANEL	54"	SPEAKER - CEILING		COMPUTER RECEPTACLE - DUPLEX FLOOR
	DOWNLIGHT - EMERGENCY	80"	FIRE ALARM CONTROL PANEL	54"	SPEAKER - WALL		COMPUTER RECEPTACLE - QUADPLEX FLOOR
	WALL WASHER - EMERGENCY	54"	FLOW SWITCH		VOLUME CONTROL	54"	RECEPTACLE - DUPLEX FLOOR
	LIGHTING TRACK/BUSWAY - HEADS PER DRAWINGS	54"	TAMPER SWITCH		MICROPHONE - WALL	54"	RECEPTACLE - QUADPLEX FLOOR
	BATTERY PACK				MICROPHONE - FLOOR		RECEPTACLE - QUAD FLOOR EMERGENCY
	BATTERY PACK - 3 HEAD				BUZZER		RECEPTACLE - SPECIAL PURPOSE - SEE DWGS
	REMOTE HEADS - SINGLE, DOUBLE, TRIPLE				BELL		RECEPTACLE - SPECIAL PURPOSE - SEE DWGS
	EXITLIGHT - WALL				CHIME		18" JUNCTION BOX - WALL
	EXITLIGHT - CEILING				PUSHBUTTON	54"	18" JUNCTION BOX - CEILING
	SITE LIGHT - POLE MOUNT				POWER/DATA RACEWAY		JUNCTION BOX - FLOOR
	IN-GRADE FIXTURE				TV OUTLET - WALL	18"	MOTOR
	FLOOD LIGHT				TV OUTLET - CEILING		54" DISCONNECT SWITCH
	SWITCH - SIMPLEX				REFRIGERATION CONTROL CONDUIT	54"	54" FUSED DISCONNECT SWITCH
	SWITCH - PILOT LIGHT					54"	54" STARTER
	SWITCH - DIMMER, WATTAGE						PUSHBUTTON
	OCCUPANCY SENSOR						MOTOR STARTER SWITCH
	LIGHTING CONTACTOR						THERMOSTAT
	LOW VOLTAGE RELAY						COMBINATION STARTER-DISCONNECT
	PHOTO-CELL						CONTACTOR
							GROUND
							METER
							AUTOMATIC TRANSFER SWITCH
							LTG/REC PANELBOARD
							DISTRIBUTION PANELBOARD
				MISCELLANEOUS SYMBOLS			
			KEY NOTE				
			EQUIPMENT TAG				

ELECTRICAL SHEET LIST	
E001	ELECTRICAL TITLE SHEET
E100	ELECTRICAL SITE PLAN
E200	ELECTRICAL DETAILS

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Registration# _____

Signature _____ Date _____

05/26/2023

N-R/ Project # 23-009

Scale AS SHOWN

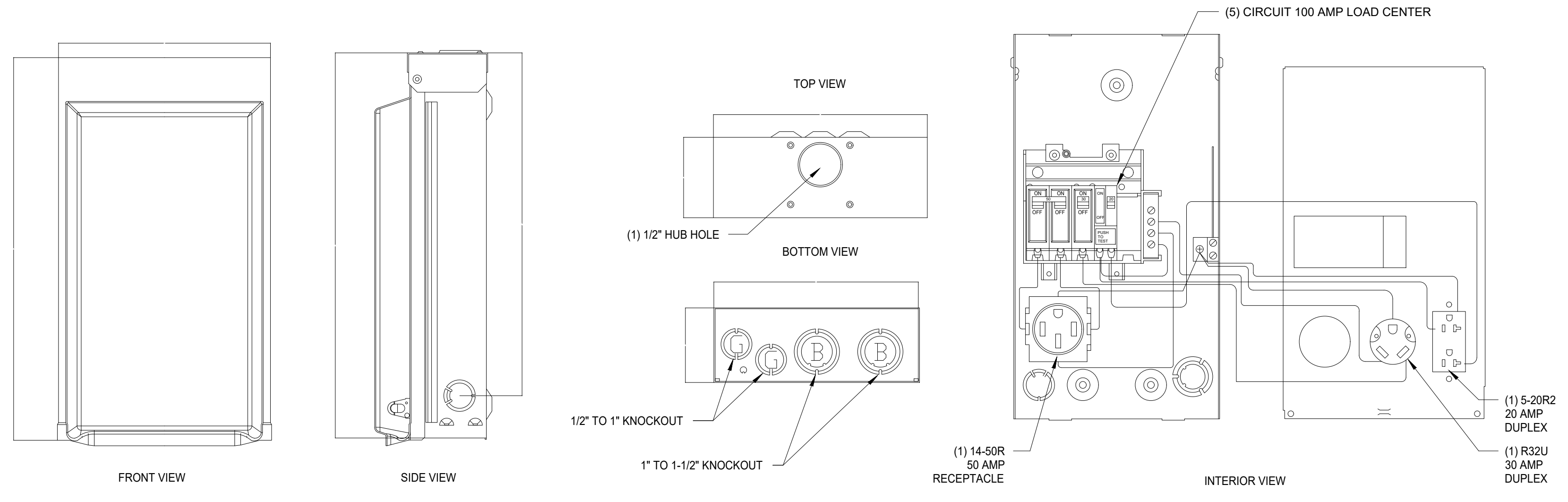
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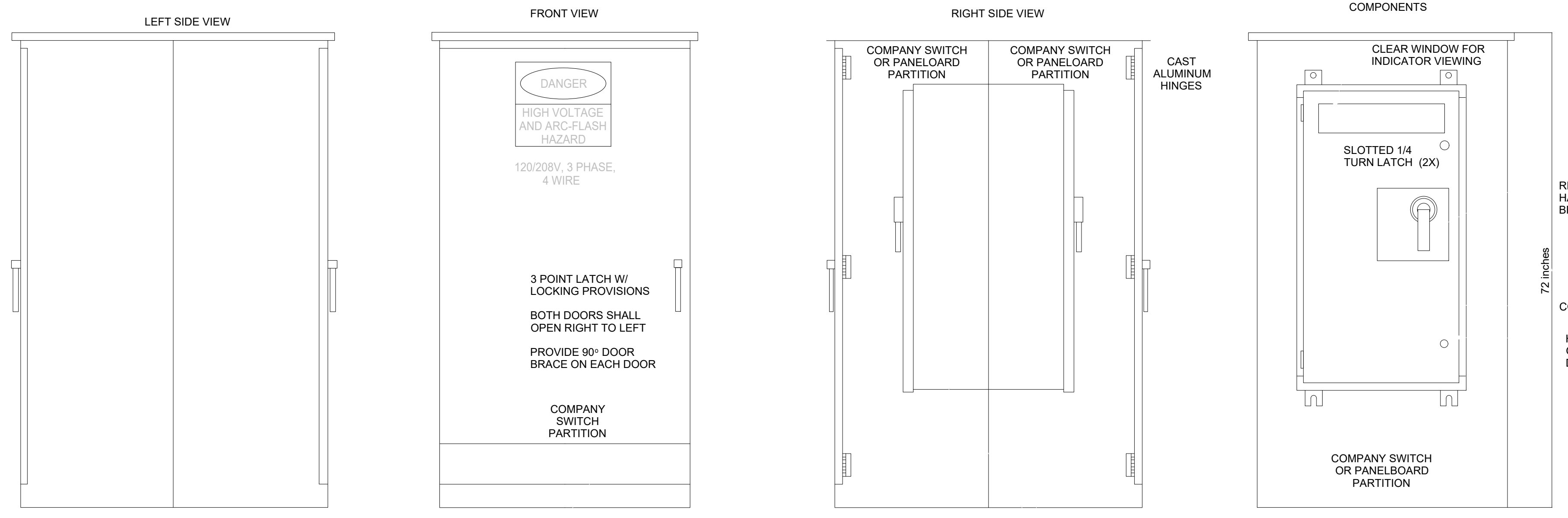
**ELECTRICAL
TITLE SHEET**

E001



VENDOR/FOOD TRUCK RECEPTACLE DETAIL
NOTES:
1. SEE SHEET E100 FOR CONFIGURATION TYPES USED ON PROJECT.

1 VENDOR/FOOD TRUCK RECEPTACLE DETAIL
E200 NOT TO SCALE



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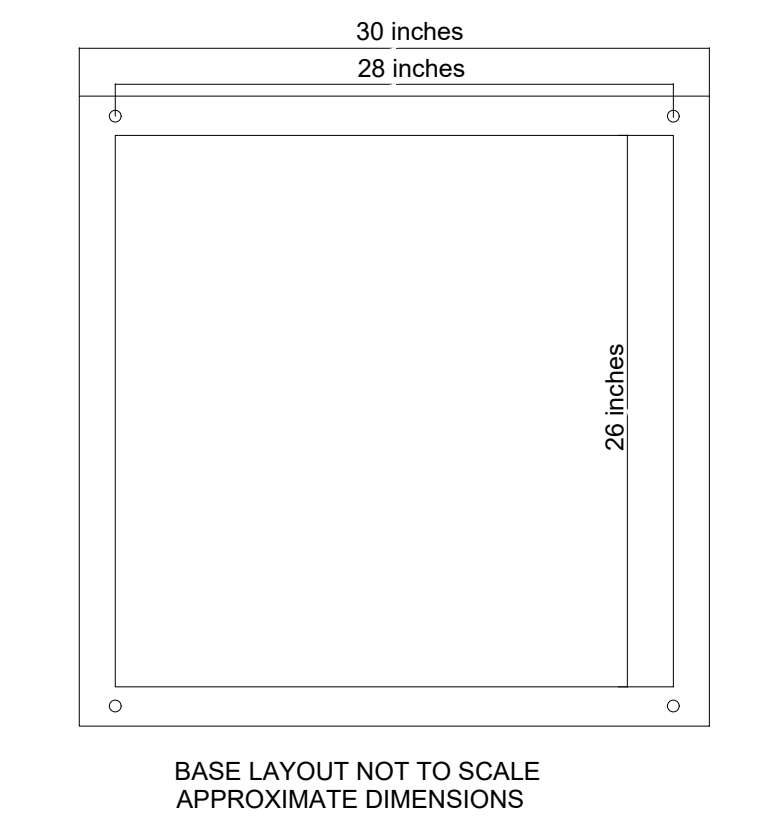
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Registration# _____
Signature _____ Date _____
09/14/2023
DF/ Project # 23-009
Scale AS SHOWN
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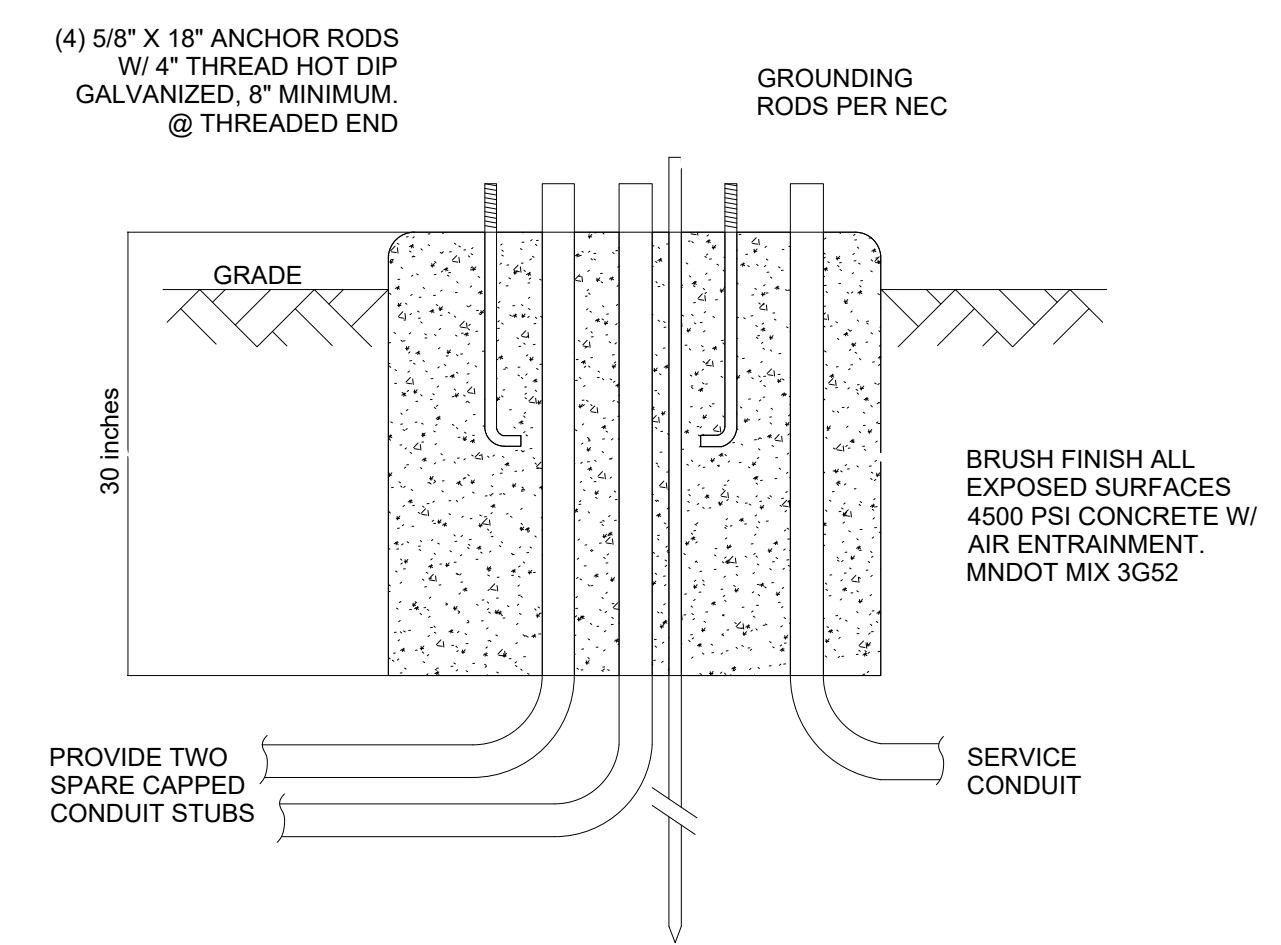
ELECTRICAL DETAILS

E200



- CABINET CONSTRUCTION**
- NEMA 3R
 - INTERIOR COMPONENTS MOUNTED ON BACK PANEL
 - 1/8" ANODIZED ALUMINUM DARK DURANODIC BLACK
 - NEOPRENE GASKETED DOORS
 - RUBBER BOOT AT BOTTOM OF DOOR TO ENABLE DOOR CLOSURE OVER CABINET WHILE NOT IN USE
 - STAINLESS STEEL HARDWARE
 - ETL LISTED IN ACCORDANCE WITH UL508A

- CABINET NOTES:**
- PROVIDE 200AMP ESL COMPANY SWITCH WITH TERMINALS FOR 500 KCMIL CABLE AS INDICATED ON E100
 - PROVIDE CORD OPENING WITH RUBBER GASKET FOR TEMPORARY SOUND EQUIPMENT CABLING
 - PROVIDE A 25-OHM GROUND AT CABINET AS PER NEC
 - CABINET SHALL BE MANUFACTURED BY POVOLNY SPECIALTIES INC.
 - REFER TO SHEET E100 FOR PANEL LOCATIONS AND CONFIGURATIONS
 - PROVIDE PANELOARDS AS INDICATED ON SHEET E100



2 COMPANY SWITCH DETAIL
E200 NOT TO SCALE

THIS DRAWING INDICATES LIGHTING EQUIPMENT LAYOUT AND DESIGN OF LIGHTING SYSTEMS. REVIEW BY A QUALIFIED ENGINEER IS NECESSARY TO ASSURE SAFETY AND CODE COMPLIANCE.

FOR REFERENCE ONLY

REFER TO E-SERIES DRAWINGS FOR ELECTRICAL FEEDS, DISCONNECT SWITCHES, CONDUIT, AND WIRE FOR ALL LIGHTING EQUIPMENT. DIVISION 26 CONTRACTOR SHALL PROVIDE AND INSTALL ALL LIGHTING EQUIPMENT AND CONTROL WIRING FOR A COMPLETE AND OPERABLE SYSTEM.

PRELIMINARY

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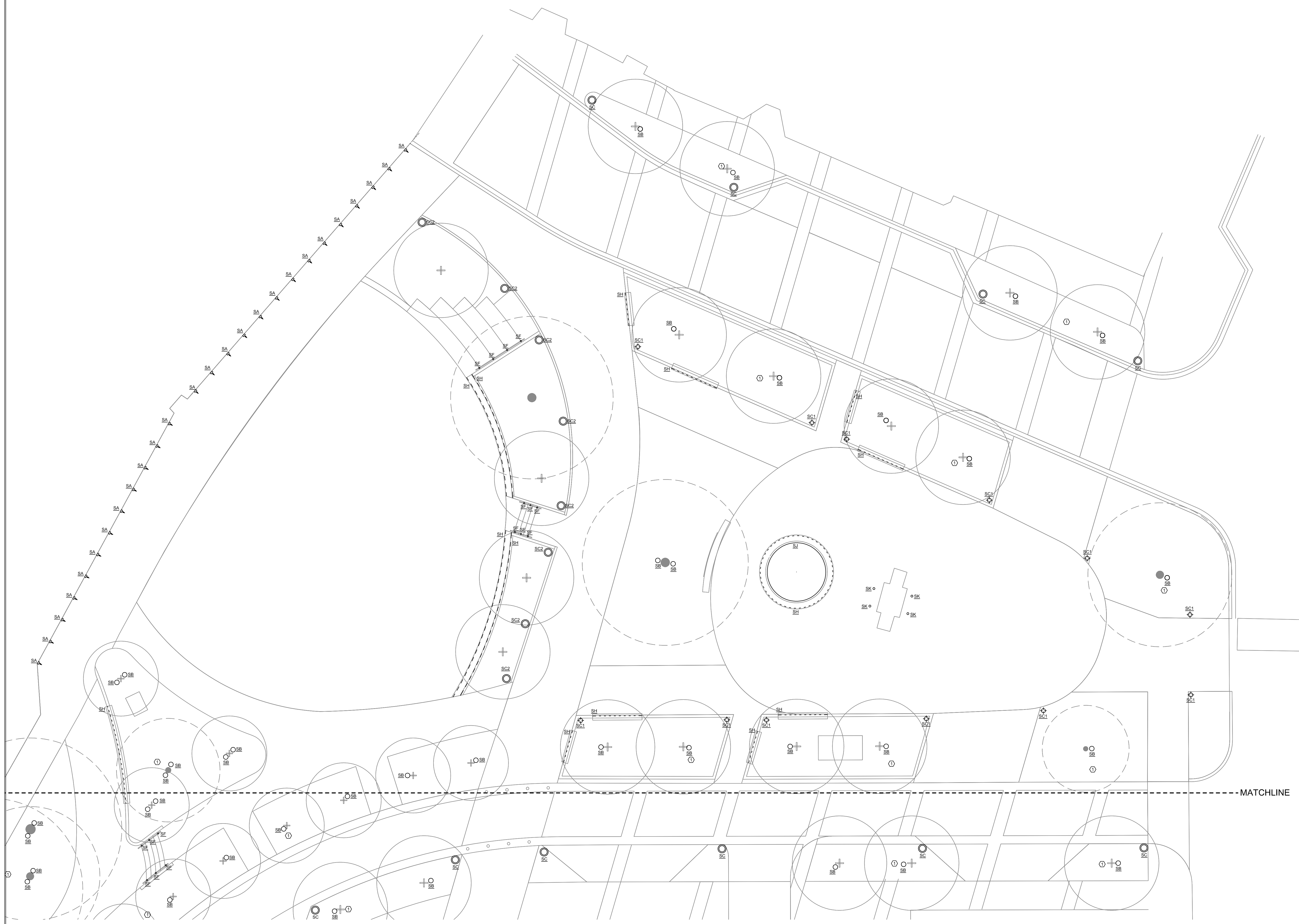
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Name Rachel Blaseg
Registration# #####

Signature _____ Date 09/14/2023

DF/ Project # 22-184

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GENERAL NOTES:
A. INSTALLATION SHALL CONFORM TO ALL APPLICABLE NEC, UL, STATE AND LOCAL CODES.
B. ALL EMERGENCY EGRESS LIGHTING IS THE RESPONSIBILITY OF THE ELECTRICAL ENGINEER OR ELECTRICAL CONTRACTOR.
C. ALL DIMMING CIRCUITS ARE TWO-WIRE. NO COMMON NEUTRALS SHALL BE USED.
D. FIELD PAINT ALL CONDUIT, JUNCTION BOXES AND HARDWARE TO MATCH ADJACENT SURFACES.
E. ELECTRICAL CONTRACTOR SHALL VERIFY ALL MOUNTING CONDITIONS, AND MOUNTING HARDWARE REQUIRED PRIOR TO PURCHASE OF ANY LIGHTING FIXTURES.
F. ELECTRICAL CONTRACTOR SHALL VERIFY MOUNTING HEIGHTS OF ALL FIXTURES WITH SCHULER SHOOK PRIOR TO INSTALLATION.

KEYED NOTES:
1. PROVIDE DUPLEX IN PLANTER FOR SEASONAL LIGHTING.

MATCHLINE



THIS DRAWING INDICATES LIGHTING EQUIPMENT LAYOUT AND DESIGN OF LIGHTING SYSTEMS. REVIEW BY A QUALIFIED ENGINEER IS NECESSARY TO ASSURE SAFETY AND CODE COMPLIANCE.

FOR REFERENCE ONLY
REFER TO E-SERIES DRAWINGS FOR ELECTRICAL FEEDS, DISCONNECT SWITCHES, CONDUIT, AND WIRE FOR ALL LIGHTING EQUIPMENT. DIVISION 26 CONTRACTOR SHALL PROVIDE AND INSTALL ALL LIGHTING EQUIPMENT AND CONTROL WIRING FOR A COMPLETE AND OPERABLE SYSTEM.

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Name: Rachel Blaseg
Registration#: #####
Signature: _____ Date: 09/14/2023
DF/ Project #: 22-184
Scale: AS SHOWN
Drawn/Checked: ATP/PPW

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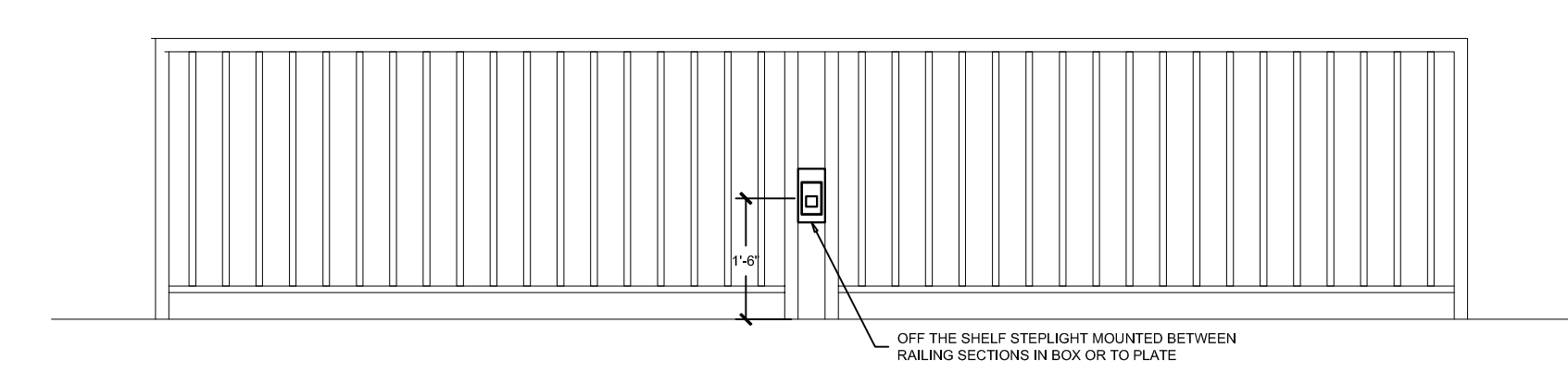
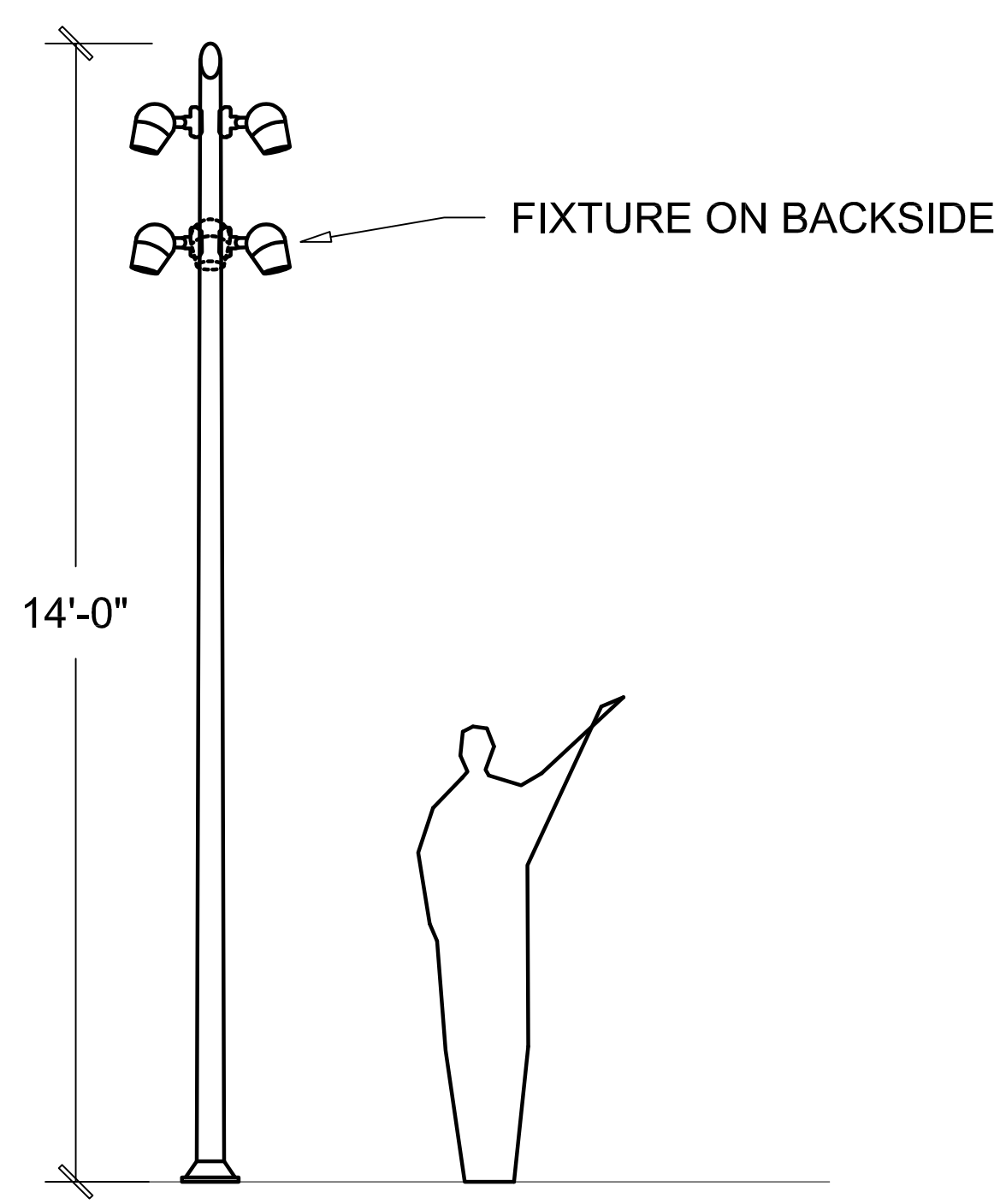
1 SITE LIGHTING - LIGHTING LAYOUT
AL101 SCALE: 3/32" = 1'-0"

TYPE	REV	FIXTURE DESCRIPTION	CATALOG NUMBER	VOLTS	WATTS	CONTROL	DIMMING	DRIVER	REMARKS	SOURCE	DELIVERED	CCT	CRI	DISTRIBUTION	FIXTURE REMARKS
SA		BOLLARD	REGA 77221 K3 BK	240	7.8	NONDM				LED	951	3000	>80		BOLLARD
SA	OPTION 2	BOLLARD	LOUIS POULSEN FLOTT BOLLARD 43.3. NATURAL PAINT ALUMINUM POST W BASE PLATE - LED 3000K - 19x100	240	15	NONDM				LED	991	3000	>80		BOLLARD
SB		TREE MOUNTED FLOODLIGHT	2) BK LIGHTING DE LED -88FL-BLP-12-11-45 / B-TS-TMC-BLP-19 / RM4027NC-BLP-MT	240	27	NONDM				LED	1597	3000	>80		TREE MOONLIGHT
SC		CITY STANDARD STREET POLE	CITY STANDARD STREET POLE	240						LED	6730	3000	>80		STREET POLES
SC1		POLE WITH MULTIPLE HEADS	SELUX OLF1-F40-585-03050-30-BK-240-DS-00-08-0M-1G-1S-O-ATS35-158-16-BK-RNS-80-3-RE-C2	240	70	NONDM				LED	6730	3000	>80		PLAZA POLES
SC2		DECORATIVE POLE TRD	DECORATIVE POLE TRD												COLONADE POLES
SD		COLUMN DOWNLIGHT	BK LIGHTING AR LED RM-403-SP-WHP-8-11-60-3" / WM / RM-NC-VAP-MT. Contractor is responsible for remote power supply, knob, and wiring as required for a complete and operable system.	240	10	NONDM				LED	1230	3000	>80		PERICOLA COLUMN DOWNLIGHT
SE		NOT USED													
SF		INTEGRAL HANDRAIL	ALPHABET 7508 27K VA IP66 CF. PROVIDE P70414 500 ECO DRIVERS AS REQUIRED.	240	2.2W	NONDM				LED	190	3000			INTEGRAL HANDRAIL LIGHT
SG		NOT USED													
SH		LINEAR SURFACE MOUNT LED	LUMINIKEL-SF-H-30K-EFF-PEF-X-30" MOUNT POWER SUPPLY UNDER BENCH POWER SUPPLY LOCATION TBD	240	5WFT	NONDM				LED	335 LMFT	3000			BENCH AND OUTER FOUNTAIN LED
SI		NOT USED													
SJ		SUBMERSIBLE LINEAR	LUMINIKEL-SF-V-PL-30K-88PF-88PF-X-30" MOUNT POWER SUPPLY UNDER BENCH POWER SUPPLY LOCATION TBD	240	3.7WFT	NONDM				LED	178	3000			FOUNTAIN SUBMERSIBLE LINEAR
SK		INGRADE UP LIGHT	BK LIGHTING HP2 LED-TR-X44-FL-X3X-10-11-TC-GS	240	34	NONDM				LED	2614	3000	>80		MONUMENT UP LIGHT

GENERAL NOTES:
A. CONTRACTOR SHALL VERIFY ALL MOUNTING AND RECESS CONDITIONS PRIOR TO ORDERING FIXTURES.
B. CONTRACTOR SHALL PROVIDE ALL HARDWARE, BRACKETS, WIRING, TRANSFORMERS, REMOTE BOXES AND EQUIPMENT TO INSTALL A COMPLETE AND FUNCTIONAL SYSTEM.
C. NO SUBSTITUTIONS SHALL BE ACCEPTED WITHOUT PRIOR REVIEW AND WRITTEN APPROVAL BY SCHULER SHOOK.
D. LIGHT FIXTURE MANUFACTURERS AND ELECTRICAL CONTRACTORS TO VERIFY COMPATIBILITY OF ALL DIMMING TRANSFORMERS, DRIVERS AND BALLASTS WITH THE LIGHTING CONTROL SYSTEM.
E. PRICES SHOWN ARE DISTRIBUTOR NET PRICING AND DO NOT INCLUDE TAXES, FREIGHT, MARK-UP (DISTRIBUTOR OR CONTRACTOR) OR INSTALLATION COST. PRICES ARE PER FIXTURE OR LINEAR FOOT.
F. PRIOR TO ORDERING LUMINAIRE, CONTRACTORS SHALL VERIFY THE COMPATIBILITY OF ALL LED DRIVERS WITH THE CONTROLS BEING ORDERED. WHERE DIMMING IS REQUIRED, CONTROL DEVICES SHALL BE COMPATIBLE TO ACCESS THE FULL DIMMING CAPABILITY OF THE SPECIFIC LED FIXTURE AND DRIVER COMBINATION. VERIFY NO VISIBLE FLICKER OR STEPPING CLARY STEPPING. FAILURE TO COORDINATE DRIVERS AND DRIVERS THAT RESULT IN POOR DIMMING PERFORMANCE, AS DETERMINED BY THE LIGHTING DESIGNER AND/OR OWNER OR ELECTRICAL ENGINEER, SHALL BE RECTIFIED BY THE CONTRACTOR AT NO COST TO THE OWNER.
G. CONTRACTOR WILL FAMILIARIZE THEMSELVES WITH ADDRESSING OF LED FIXTURES AT BEGINNING OF PROJECT. PRIOR TO INSTALLATION. CONTRACTOR SHALL PROVIDE A SYSTEMS INTEGRATOR FOR ALL DIMMING SYSTEM.

2 SITE LIGHTING - LIGHT FIXTURE SCHEDULE
AL101 SCALE: NO SCALE

3 SITE LIGHTING - TYPE SC1 FIXTURE ELEVATION
AL101 SCALE: NO SCALE



4 SITE LIGHTING - TYPE SA FIXTURE ELEVATION
AL101 SCALE: NO SCALE

GENERAL NOTES:
A. INSTALLATION SHALL CONFORM TO ALL APPLICABLE NEC, UL, STATE AND LOCAL CODES.
B. ALL EMERGENCY EGRESS LIGHTING IS THE RESPONSIBILITY OF THE ELECTRICAL ENGINEER OR ELECTRICAL CONTRACTOR.
C. ALL DIMMING CIRCUITS ARE TWO-WIRE. NO COMMON NEUTRALS SHALL BE USED.
D. FIELD PAINT ALL CONDUIT, JUNCTION BOXES AND HARDWARE TO MATCH ADJACENT SURFACES.
E. ELECTRICAL CONTRACTOR SHALL VERIFY ALL MOUNTING CONDITIONS AND MOUNTING HARDWARE REQUIRED PRIOR TO PURCHASE OF ANY LIGHTING FIXTURES.
F. ELECTRICAL CONTRACTOR SHALL VERIFY MOUNTING HEIGHTS OF ALL FIXTURES WITH SCHULER SHOOK PRIOR TO INSTALLATION.

KEYED NOTES:
1. PROVIDE DUPLEX IN PLANTER FOR SEASONAL LIGHTING.

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