

MIAMI CIRCLE SITE RENOVATIONS

MIAMI-DADE COUNTY, FLORIDA

100% CONSTRUCTION DOCUMENT
REVIEW SET
SEPTEMBER 28, 2018



KEY MAP: N.T.S.

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PREPARED FOR

CIVIL ENGINEERING /LANDSCAPE ARCHITECTURE

SURVEY

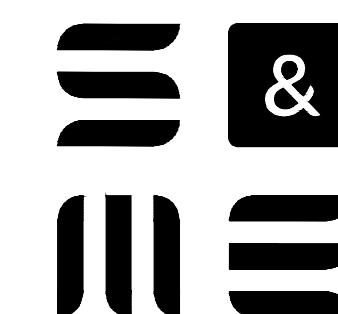
IRRIGATION

STATE OF FLORIDA

BOARD OF TRUSTEES OF THE INTERNAL IMPROVEMENT TRUST FUND
OFFICE OF CULTURAL, HISTORICAL AND INFORMATION PROGRAMS
100 SOUTH BRONOUGH STREET
TALLAHASSEE, FL, 32399

☎05☐245-6514

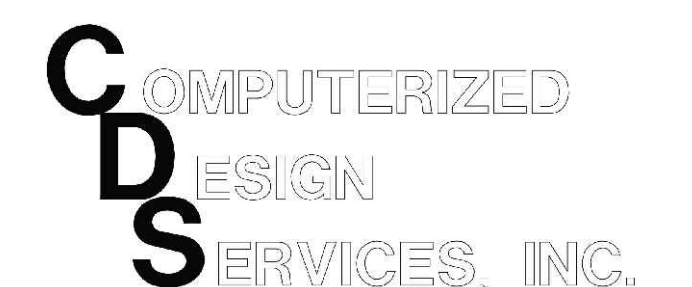
CONTACT☐TIMOTHY A. PARSONS, P.E., RPA DIVISION DIRECTOR,
AND STATE HISTORIC PRESERVATION OFFICER



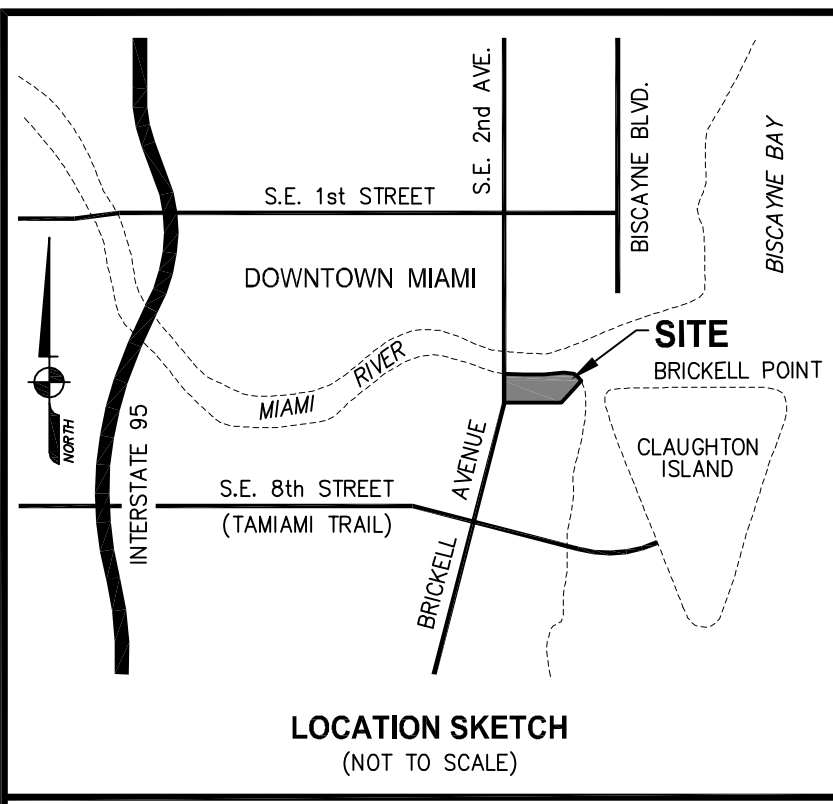
1615 EDGEWATER DRIVE
SUITE 200
ORLANDO, FL 32804
(407) 975-1273



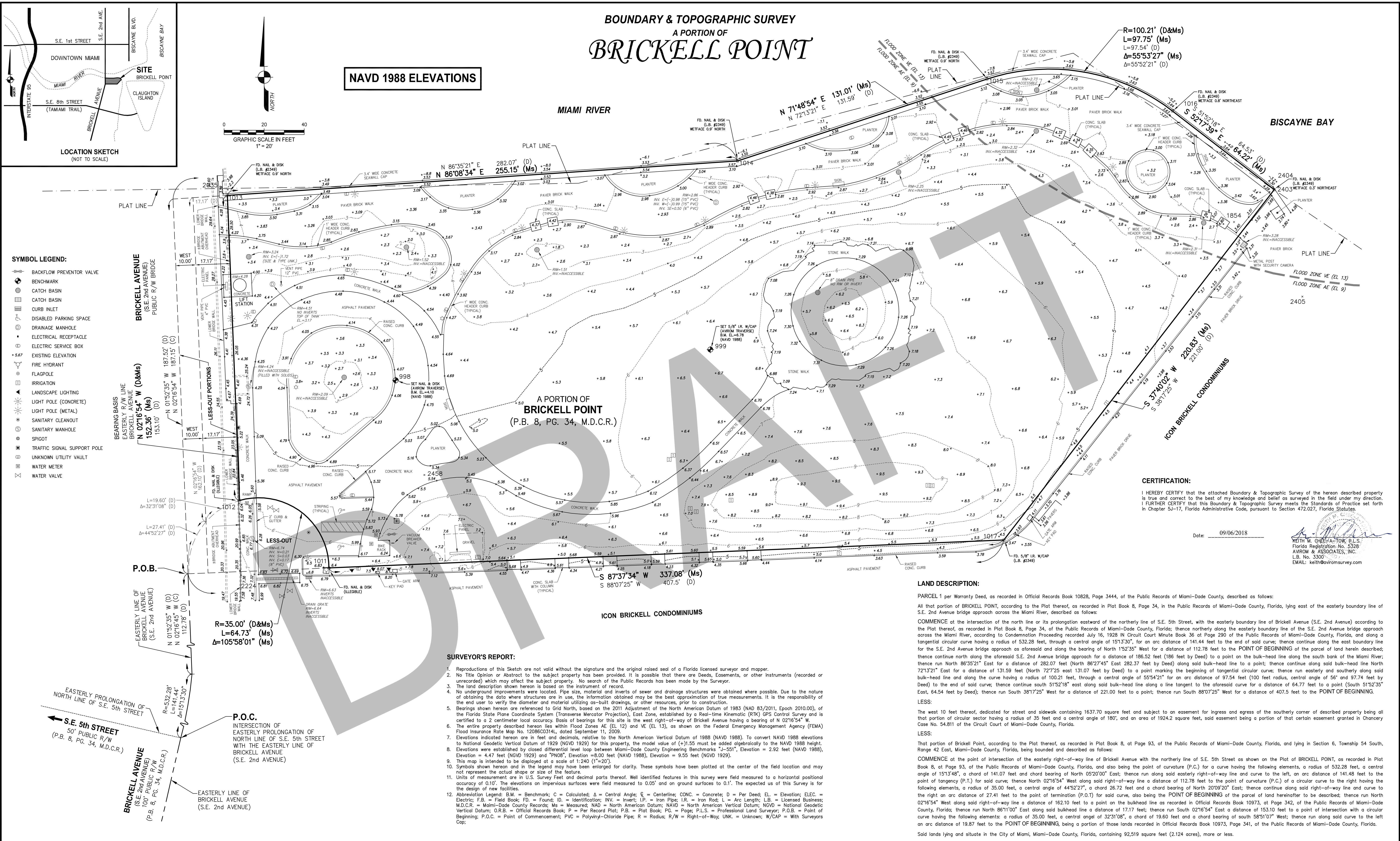
50 S.W. 2ND AVENUE
SUITE 102
BOCA RATON, FL 33432
(561) 392-2594



3190 CEDAR
HAMMOCK CT.
ST. CLOUD, FL 34772
(407) 957-4405



- SYMBOL LEGEND:**
- BACKFLOW PREVENTOR VALVE
 - BENCHMARK
 - ⊕ CATCH BASIN
 - ⊕ CATCH BASIN
 - ⊕ CURB INLET
 - ⊕ DISABLED PARKING SPACE
 - ⊕ DRAINAGE MANHOLE
 - ⊕ ELECTRICAL RECEPTACLE
 - ⊕ ELECTRIC SERVICE BOX
 - ⊕ EXISTING ELEVATION
 - ⊕ FIRE HYDRANT
 - ⊕ FLAGPOLE
 - ⊕ IRRIGATION
 - ⊕ LANDSCAPE LIGHTING
 - ⊕ LIGHT POLE (CONCRETE)
 - ⊕ LIGHT POLE (METAL)
 - ⊕ SANITARY CLEANOUT
 - ⊕ SANITARY MANHOLE
 - ⊕ SPIGOT
 - ⊕ TRAFFIC SIGNAL SUPPORT POLE
 - ⊕ UNKNOWN UTILITY VAULT
 - ⊕ WATER METER
 - ⊕ WATER VALVE



NAVD 1988 ELEVATIONS

GRAPHIC SCALE IN FEET
1" = 20'

R=100.21' (D&Ms)
L=97.75' (Ms)
Δ=55°53'27" (Ms)
Δ=55°52'21" (D)

A PORTION OF
BRICKELL POINT
(P.B. 8, PG. 34, M.D.C.R.)

CERTIFICATION:
I HEREBY CERTIFY that the attached Boundary & Topographic Survey of the hereon described property is true and correct to the best of my knowledge and belief as surveyed in the field under my direction.
I FURTHER CERTIFY that this Boundary & Topographic Survey meets the Standards of Practice set forth in Chapter 5J-17, Florida Administrative Code, pursuant to Section 472.027, Florida Statutes.

Date: 09/06/2018
Keith M. CHELSEA-TOW, P.L.S.
Florida Registration No. 5328
AVIROM & ASSOCIATES, INC.
L.B. No. 3300
EMAIL: keith@aviromsurvey.com

LAND DESCRIPTION:
PARCEL 1 per Warranty Deed, as recorded in Official Records Book 10828, Page 3444, of the Public Records of Miami-Dade County, described as follows:
All that portion of BRICKELL POINT, according to the Plat thereof, as recorded in Plat Book 8, Page 34, in the Public Records of Miami-Dade County, Florida, lying east of the easterly boundary line of S.E. 2nd Avenue bridge approach across the Miami River, described as follows:

COMMENCE at the intersection of the north line or its prolongation eastward of the northerly line of S.E. 5th Street, with the easterly boundary line of Brickell Avenue (S.E. 2nd Avenue) according to the Plat thereof, as recorded in Plat Book 8, Page 34, of the Public Records of Miami-Dade County, Florida; thence northerly along the easterly boundary line of the S.E. 2nd Avenue bridge approach across the Miami River, according to Condominium Proceeding recorded July 16, 1928 in Circuit Court Minute Book 36 at Page 299 of the Public Records of Miami-Dade County, Florida, and along a tangential circular curve having a radius of 532.28 feet, through a central angle of 151°33'07" for an arc distance of 141.44 feet to the end of said curve; thence continue along the east boundary line for the S.E. 2nd Avenue bridge approach as aforesaid and along the bearing of North 1°52'35" West for a distance of 112.78 feet to the POINT OF BEGINNING of the parcel of land herein described; thence continue north along the aforesaid S.E. 2nd Avenue bridge approach for a distance of 186.52 feet (186 feet by Deed) to a point on the bulk-head line along the south bank of the Miami River; thence north 86°35'21" East for a distance of 282.07 feet (North 86°27'45" East 282.37 feet by Deed) along said bulk-head line to a point; thence continue along said bulk-head line North 72°13'21" East for a distance of 131.59 feet (North 72°7'25" East 131.07 feet by Deed) to a point marking the beginning of tangential circular curve, thence north easterly and southerly along said bulk-head line and along the curve having a radius of 100.21 feet, through a central angle of 55°54'21" for an arc distance of 97.54 feet (100 feet by Deed), central angle of 56' and 97.74 feet by Deed) to the end of said curve; thence continue south 51°52'18" east along said bulk-head line along a line tangent to the aforesaid curve for a distance of 64.77 feet to a point (South 51°52'35" East, 64.54 feet by Deed); thence run South 38°17'25" West for a distance of 221.00 feet to a point; thence run South 88°07'25" West for a distance of 407.5 feet to the POINT OF BEGINNING.

LESS:
The west 10 feet thereof, dedicated for street and sidewalk containing 1637.70 square feet and subject to an easement for ingress and egress of the southerly corner of described property being all that portion of circular sector having a radius of 35 feet and a central angle of 180°; and an area of 1924.2 square feet, said easement being a portion of that certain easement granted in Chancery Case No. 54,811 of the Circuit Court of Miami-Dade County, Florida.

LESS:
That portion of Brickell Point, according to the Plat thereof, as recorded in Plat Book 8, at Page 93, of the Public Records of Miami-Dade County, Florida, and lying in Section 6, Township 54 South, Range 42 East, Miami-Dade County, Florida, being bounded and described as follows:
COMMENCE at the point of intersection of the easterly right-of-way of Brickell Avenue with the northerly line of S.E. 5th Street as shown on the Plat of BRICKELL POINT, as recorded in Plat Book 8, at Page 93, of the Public Records of Miami-Dade County, Florida, and also being the point of curvature (P.C.) for a curve having the following elements, a radius of 532.28 feet, a central angle of 151°34'48", a chord of 141.07 feet and chord bearing of North 05°20'00" East; thence run along said easterly right-of-way line and curve to the left, an arc distance of 141.48 feet to the point of tangency (P.T.) for said curve; thence North 02°16'54" West along said right-of-way line a distance of 112.78 feet to the point of curvature (P.C.) of a circular curve to the right having the following elements, a radius of 35.00 feet, a central angle of 44°52'27", a chord 26.72 feet and a chord bearing of North 20°09'20" East; thence continue along said right-of-way line and curve to the right an arc distance of 27.41 feet to the point of termination (P.O.T.) for said curve, also being the POINT OF BEGINNING of the parcel of land hereinafter to be described; thence run North 02°16'54" West along said right-of-way line a distance of 162.10 feet to a point on the bulkhead line as recorded in Official Records Book 10973, at Page 342, of the Public Records of Miami-Dade County, Florida; thence run North 86°11'00" East along said bulkhead line a distance of 17.17 feet; thence run South 02°16'54" East a distance of 153.10 feet to a point of intersection with a circular curve having the following elements: a radius of 35.00 feet, a central angle of 32°31'08", a chord of 19.60 feet and a chord bearing of south 58°51'07" West; thence run along said curve to the left an arc distance of 19.87 feet to the POINT OF BEGINNING, being a portion of those lands recorded in Official Records Book 10973, Page 341, of the Public Records of Miami-Dade County, Florida.

Said lands lying and situate in the City of Miami, Miami-Dade County, Florida, containing 92,519 square feet (2,124 acres), more or less.

- SURVEYOR'S REPORT:**
- Reproductions of this Sketch are not valid without the signature and the original raised seal of a Florida licensed surveyor and mapper.
 - No Title Opinion or Abstract to the subject property has been provided. It is possible that there are Deeds, Easements, or other instruments (recorded or unrecorded) which may affect the subject property. No search of the Public Records has been made by the Surveyor.
 - The land description shown hereon is based on the instrument of record.
 - No underground improvements were located. Pipe size, material and inverts of sewer and drainage structures were obtained where possible. Due to the nature of obtaining the data where structures are in use, the information obtained may be the best approximation of true measurements. It is the responsibility of the end user to verify the diameter and material utilizing as-built drawings, or other resources, prior to construction.
 - Bearings shown hereon are referenced to Grid North, based on the 2011 Adjustment of the North American Datum of 1983 (NAD 83/2011, Epoch 2010.00), of the Florida State Plane Coordinate System (Transverse Mercator Projection), East Zone, established by a Real-time Kinematic (RTK) GPS Control Survey and is certified to a 2 centimeter local accuracy. Basis of bearings for this site is the west right-of-way of Brickell Avenue having a bearing of N 02°16'54" W.
 - The entire property described hereon lies within Flood Zones AE (EL 12) and VE (EL 13), as shown on the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map No. 12088C0314L, dated September 11, 2009.
 - Elevations indicated hereon are in feet and decimals, relative to the North American Vertical Datum of 1988 (NAVD 1988). To convert NAVD 1988 elevations to National Geodetic Vertical Datum of 1929 (NGVD 1929) for this property, the model value of (+)1.55 must be added algebraically to the NAVD 1988 height.
 - Elevations were established by closed differential level loop between Miami-Dade County Engineering Benchmarks "J-51", Elevation = 2.92 feet (NAVD 1988), Elevation = 4.47 feet (NGVD 1929) and "PM08", Elevation = 8.00 feet (NAVD 1988), Elevation = 9.55 feet (NGVD 1929).
 - This map is intended to be displayed at a scale of 1:240 (1"=20').
 - Symbols shown hereon and in the legend may have been enlarged for clarity. These symbols have been plotted at the center of the field location and may not represent the actual shape or size of the feature.
 - Units of measurement are in U.S. Survey feet and decimal parts thereof. Well identified features in this survey were field measured to a horizontal positional accuracy of 0.10'. The elevations on impervious surfaces were field measured to 0.05' and on ground surfaces to 0.1'. The expected use of this Survey is for the design of new facilities.
 - Abbreviation Legend: B.M. = Benchmark; C. = Calculated; Δ = Central Angle; C.L. = Centerline; CONC. = Concrete; D = Per Deed; EL. = Elevation; ELEC. = Electric; F.B. = Field Book; FD. = Found; ID. = Identification; INV. = Invert; I.P. = Iron Pipe; I.R. = Iron Rod; L. = Arc Length; L.B. = Licensed Business; M.D.C.R. = Miami-Dade County Records; Ms. = Measured; NAD = North American Datum; NAVD = North American Vertical Datum; NGVD = National Geodetic Vertical Datum; O.R.B. = Official Records Book; P. = Per Record Plat; P.B. = Plat Book; PG. = Page; P.L.S. = Professional Land Surveyor; P.O.B. = Point of Beginning; P.O.C. = Point of Commencement; PVC = Polyvinyl-Chloride Pipe; R = Radius; R/W = Right-of-Way; UNK. = Unknown; W/CAP = With Surveyors Cap.

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REVISIONS	DATE	F.B. / PG.	BY	CKD	REVISIONS	DATE	F.B. / PG.	BY	CKD
UPDATE SURVEY	09/06/2018	SKETCH	K.C.	K.M.C.-A					

BOUNDARY & TOPOGRAPHIC SURVEY
A PORTION OF BRICKELL POINT
(P.B. 8, PG. 34, M.D.C.R.)
SECTION 6, TOWNSHIP 54 SOUTH, RANGE 42 EAST
CITY OF MIAMI
MIAMI-DADE COUNTY, FLORIDA

JOB #: 10207
SCALE: 1" = 20'
DATE: 06/07/2016
BY: S.A.M.
CHECKED: K.M.C.
F.B. 1796 PG. 4 - 11
SHEET 1 OF 1

AVIROM & ASSOCIATES, INC. - Check here for more information

GENERAL NOTES

- The contractor shall become familiar with the project site prior to bidding the work. The contractor shall field verify all existing conditions and location of proposed improvements prior to initiating any construction.
- Location of all utilities and base information is approximate. Contractor shall verify all underground utilities and obstructions prior to initiating work. Contractor shall be responsible for repair or replacement of any damage to existing elements above or below ground to its original condition and to the satisfaction of the owner's representative.
- The owner's representative shall have the right, at any stage of the operations, to reject any and all work and material which, in his opinion, do not meet with the requirements of these plans and specifications.
- Contractor shall verify all grades, dimensions, and existing conditions on the job site prior to start of construction and/or fabrication. Contractor shall notify owner's representative of any variations from the dimensions and conditions shown on these drawings.
- Report any discrepancies between the construction drawings and field conditions to the owner's representative.
- The contractor shall provide all necessary safety measures during construction operations to protect the public according to all applicable codes and recognized local practices.
- The contractor shall coordinate access and staging areas with the owner's representative. The contractor shall maintain all existing erosion and sedimentation control measures during construction. Provide additional measures as necessary to minimize adverse impacts in accordance with all applicable federal, state, and local codes.
- No substitutions shall be made without written consent of the owner's representative. During the course of this work, excess waste material shall be removed daily from the site.
- The contractor shall be responsible for scheduling and coordination of work with other trades and the owner's representative.
- The contractor shall notify all necessary utility companies 48 hrs minimum prior to digging for field verification of all underground utilities. Utility locating shall be scheduled by the contractor with owner's representative present.
- Utilities to be located by flagging only; painting of hardscape areas is prohibited. Contractor shall be responsible for notifying utility locating companies of this requirement.
- All existing site roads, parking lots, curbs, utilities, sewers, and other elements to remain shall be fully protected from any damage unless otherwise noted.
- Not all items shown on this sheet appear in the construction documents. Contractor is responsible for obtaining ALL permits related to construction including, but not limited to: Building, Landscape, Irrigation and Right-Of-Way utilization permits.

DEMOLITION NOTES

- All base information provided by owner. Contractor shall field verify all information prior to beginning work.
- Contractor shall notify all pertinent utility companies 48 hours minimum prior to digging for verification of all underground utilities. Plans are prepared according to the best information available at the time of preparing these documents.
- The contractor shall become completely familiar with existing site conditions prior to beginning installation. All existing site improvements, paving, landscape, lighting, and other site elements to remain shall be protected from damage unless otherwise noted.
- The contractor shall report any discrepancies between the construction drawings and actual field conditions to the owner's representative immediately.
- The contractor shall coordinate all work with related contractors and with the general construction of the project in order to not impede the progress of work of others or the contractor's own work.
- Contractor shall coordinate access and staging area with the owner.
- Report and document all existing damage of existing site features and elements to the owner prior to beginning work. Contractor shall be responsible for all subsequent damage.
- Contractor shall protect, by whatever means necessary, the existing site features and elements to remain. All damaged items shall be replaced or repaired at no additional cost to the owner. Notify owner immediately if any damages occur.
- Contractor shall provide all necessary safety measures that may be required during the construction process to protect the public and owner at all times as per all applicable codes and recognized local practices.
- Contractor shall refer to the hardscape, fencing, landscape and irrigation plans and details for complete instructions.
- Coordinate all irrigation demolition with the irrigation contractor and irrigation plans/details typical.
- Contractor shall protect all existing plant materials indicated on the plans to remain. All plant material indicated to remain damaged by the contractor shall be replaced by the contractor at no additional cost to the owner with same size, quality, and type of plant material.
- Contractor shall be responsible for all erosion control and protection measures as may be required by locally approved means. Contractor shall follow all local governing codes and requirements.
- Contractor shall clean the work areas at the end of each working day. Construction rubbish and debris shall be collected and deposited off-site daily. All materials and equipment stored on-site shall be kept in an organized manner daily.
- Contractor shall layout all demolition lines and verify layout with the owner's representative prior to beginning any construction work.
- The contractor shall comply with FL 77-153 regarding notification of existing gas & oil pipeline company owners and shall notify Sunshine State One Call of Florida (SSOCOF) at 1-800-432-4770 prior to excavating. Evidence of such notice shall be furnished to the owner prior to excavation.

LANDSCAPE NOTES

- The contractor shall review plans to become thoroughly familiar with surface and subsurface utilities.
- The plant quantities shown on the landscape contract documents are for the convenience of the contractor. The contractor is responsible for verifying all quantities and reporting any discrepancies to the landscape architect for clarification prior to contract award and commencement of work.
- All installation of plant material shall comply with applicable jurisdictional codes. The contractor is responsible for obtaining all permits associated with this work.
- Prior to planting installation, the contractor shall confirm the availability of all the specified plant materials. Submit dated photographs of all tree material and specimen material as to the owner's representative for review.
- All plant material sizes specified are minimum sizes. Container size shall be increased if necessary to provide overall plant size specified.
- If plant material does not comply with the requirements as specified herein, the owner's representative reserves the right to reject such plants and require the contractor to replace rejected work and continue specified maintenance until re-inspected and found to be acceptable.
- The contractor shall provide an approved planting soil mixture for all plant material. See specifications for requirements.
- The contractor shall be responsible for stability and plumb condition of all trees and shrubs, and shall be legally liable for any damage caused by instability of any plant materials. Staking of trees or shrubs shall be done in accordance with plans and specifications.
- The contractor shall insure adequate vertical drainage in all plant beds and planters. If inadequate vertical drainage is encountered, the contractor shall submit recommendations for providing adequate drainage to the owner's representative.
- Peg sod on slopes greater than 3:1.
- Contractor shall protect existing vegetation to remain as shown on drawings or by means approved by the owner's representative.
- Contractor to clean, prune, and shape edges of existing vegetation as directed by owner's representative. Create smooth bed lines around existing vegetation.
- The contractor shall bear all costs of testing of soils, amendments, etc. associated with the work. See specifications for additional testing requirements.
- Contractor shall field-adjust location of plant material prior to initiating installation for the review and approval of the owner's representative.
- All plant material shall be in full and strict accordance with Florida fancy grade, according to the "Grades and Standards for Nursery Plants" published by the Florida Department of Agriculture and Consumer Services.
- All planting beds shall be top-dressed with a 3" layer of mulch as specified.
- Contractor shall coordinate all planting work with irrigation work. Contractor shall be responsible for all hand watering as required to supplement irrigation watering and rainfall.
- Contractor shall be responsible for hand watering in all planting areas, regardless of the status of existing or proposed irrigation.
- Contractor shall re-grade all areas disturbed by plant removal, relocation, and/or installation work.
- Contractor shall replace (by equal size and quality) any and all existing plant material disturbed or damaged by plant removal, relocation, and/or installation work.
- Maintenance shall begin after each plant has been installed and shall continue until the project has been deemed substantially complete. Maintenance includes watering, pruning, weeding, mulching, replacements of sick or dead plants, and any other care necessary for the proper growth of the plant material.
- Upon completion of all landscaping, an inspection for substantial completion of the work shall be held. The contractor shall notify the owner's representative for scheduling the inspection at least seven (7) days prior to the anticipated inspection date.
- Contractor shall submit written guarantee of survivability of all plant material for a period of one year from date of substantial completion.
- Contractor must review and accept, approve all graded areas prior to the commencement of planting.
- Trees adjacent to buildings should be planted at least the diameter of the tree canopy or a min. of 10'-0" (whichever is greater) away from the building wall.
- Contractor is responsible for the repair of any existing lawn areas or planting areas disturbed during the construction process.

TREE PROTECTION AND PRESERVATION NOTES

- Protect designated existing trees scheduled to remain against:
 - Unnecessary cutting, breaking, or skinning of roots
 - Skinning and bruising of bark
 - Smothering of trees by stockpiling construction or excavation materials within protection barrier
- Protection barriers (tree barricades) shall be plainly visible and shall create a continuous boundary around trees or vegetation clusters in order to prevent encroachment within the barricade.
- For all trees to be preserved, see Tree Protection and Barricade Elevation detail.
- No grade changes shall be made within the protective barrier zones without prior approval.
- The method of protection is to make certain that 50% of the area under the canopy dripline remains undisturbed (no grade change or root cut) and there shall be no disturbance to the root plate.
- General contractor shall be responsible for the replacement and mitigation costs of trees damaged beyond repair that have been identified as protected and preserved. If trees are harmed through lack of protection or through negligence on the part of the contractor, the contractor shall bear the burden of the cost of repair or replacement.
- Root pruning shall be done by or under supervision of an ISA certified arborist, and meet or exceed ANSI A300 or approved tree care industry standards. A certified arborist must be onsite during the entirety of root pruning.
- No root pruning shall be done within a distance of 3x the diameter the tree unless authorized by the arborist.
- No more than 30% of the trees roots may be pruned.
- A pruning trench shall be cleared in a way that exposes the roots while leaving them intact. Use hand tools or an air knife. Limits of trench to be determined by the arborist.
- All roots outside of the protective barricade to be removed during the development shall be severed clean using a sharp tool to provide a clean cut. Roots shall be left with clean smooth ends and no ragged edges and a two-inch layer of mulch shall be applied over the surface of exposed roots during development within one hour of damage or exposure.
- After pruning, tree roots shall be covered and kept moist. Fill pruning trench with topsoil and water daily for a period determined by the arborist.

HARDSCAPE NOTES

- All dimensions are taken from center of wall, face of curb and/or centerline of roads at 90 degree angles, unless otherwise noted on plan. The dimensions are shown for approximate line and all radii and curves are to have continuous and smooth transitions without abrupt changes or bends.
- All forms and alignment of paving, pilasters and walls shall be inspected and approved by the owner's representative prior to pouring (give a min. of 48 hrs. notice).
- For site grading and drainage, see civil engineer's plans
- Contractor shall verify location of all surface and subsurface utilities prior to construction.
- These notes shall be used in conjunction with the plans and any discrepancies shall be brought to the attention of the owner's representative.
- Contractor must check all dimensions, framing conditions and site conditions before starting work. Owner's representative shall be notified immediately of any discrepancies or possible deficiencies.
- Do not willfully install or construct items as shown on the drawings when it is obvious in the field that unknown obstructions, grade differences or differences in the area dimensions exist that might not have been considered in the engineering. Such obstructions or differences should be brought to the attention of the owner's representative. In the event this notification is not performed, the contractor shall assume full responsibility for all revisions necessary.
- Conditions not specifically shown shall be constructed similar to the details for the respective materials.
- The drawings and specifications represent the finished structure. All bracing, temporary supports, shoring, etc. is the sole responsibility of the contractor. Observation visits to the job site by the owner's representative do not include inspection of construction methods and for safety conditions at the work site. These visits shall not be construed as continuous and detailed inspections.
- Contractor shall refer to soils engineer's report for percentages of compaction required for all concrete flatwork and footings.
- All construction and workmanship shall conform to the current uniform and Florida Building Code.
- All concrete walks shall not exceed a slope of 1:20, and cross slopes on all concrete sidewalks shall not exceed 2%. If the sidewalk does exceed this slope, ADA compliant handicap ramps will be required.
- All handicap ramps shall not exceed a 1:12 slope and shall meet all ADA requirements for landings and handrails.
- Site furnishings shall be installed per manufacturer's recommendations, or as recommended in the drawings. Details provided in the drawings for anchoring and furnishings are provided for intent only. It shall be the contractor's responsibility to coordinate with the manufacturer & submit anchoring details for approval by owner's representative prior to installation.
- The contractor shall stake and layout all improvements using the geometric data provided. It is the contractor's responsibility to completely stake and check the alignment both vertical and horizontal, and to insure adequate positioning prior to the installation of any improvement. The contractor shall notify the owner immediately in writing if any discrepancies are found and not proceed with the work until directed.
- Refer to civil engineer's drawings for roadway pavement grading, curb information, all site drainage/grading information and handicap ramp detailing
- Unless otherwise expressly approved in writing by the owner all control joints shall be hand tooled. Saw cutting will not be acceptable.

STANDARD DRAWING SYMBOLS

	ELEVATION DETAIL REFERENCE Detail Number Sheet Number
	SECTION DETAIL REFERENCE Detail Number Sheet Number
	GENERAL DETAIL REFERENCE Detail Number Sheet Number
	PLAN ENLARGEMENT REFERENCE Detail Number Sheet Number
	DETAIL ENLARGEMENT REFERENCE Detail Number Sheet Number
	MATCHLINE: MATCHLINE
	FINISH REFERENCE See Finish Schedule
	REVISIONS Revision Area Revision Number

CONSTRUCTION ABBREVIATIONS

ALN	Align
CJ	Control Joint
CL	Centerline
EJ	Expansion Joint
EQ	Equal Dimension
FFE	Finish Floor Elevation
FOB	Face of Building
FOW	Face of Wall
MAX	Maximum
MIN	Minimum
PA	Planting Area
POB	Point of Beginning
PT	Point of Tangency
R	Radius
REF	Reference Line
TOW	Top of Wall
TYP	Typical
QTY	Quantity
SOG	Slab on Grade



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MIAMI CIRCLE SITE RENOVATIONS
MIAMI, DADE COUNTY, FLORIDA

NO.	DATE	DESCRIPTION	BY	CHK	APV
	09/28/18	100% CD REVIEW SET	BW	BH	JH
	09/14/18	50% CD	BW	BH	JH

PROJECT NUMBER
527118100

DRAWING NUMBER
L-000

DRAWING NAME

STANDARD NOTES AND SYMBOLS

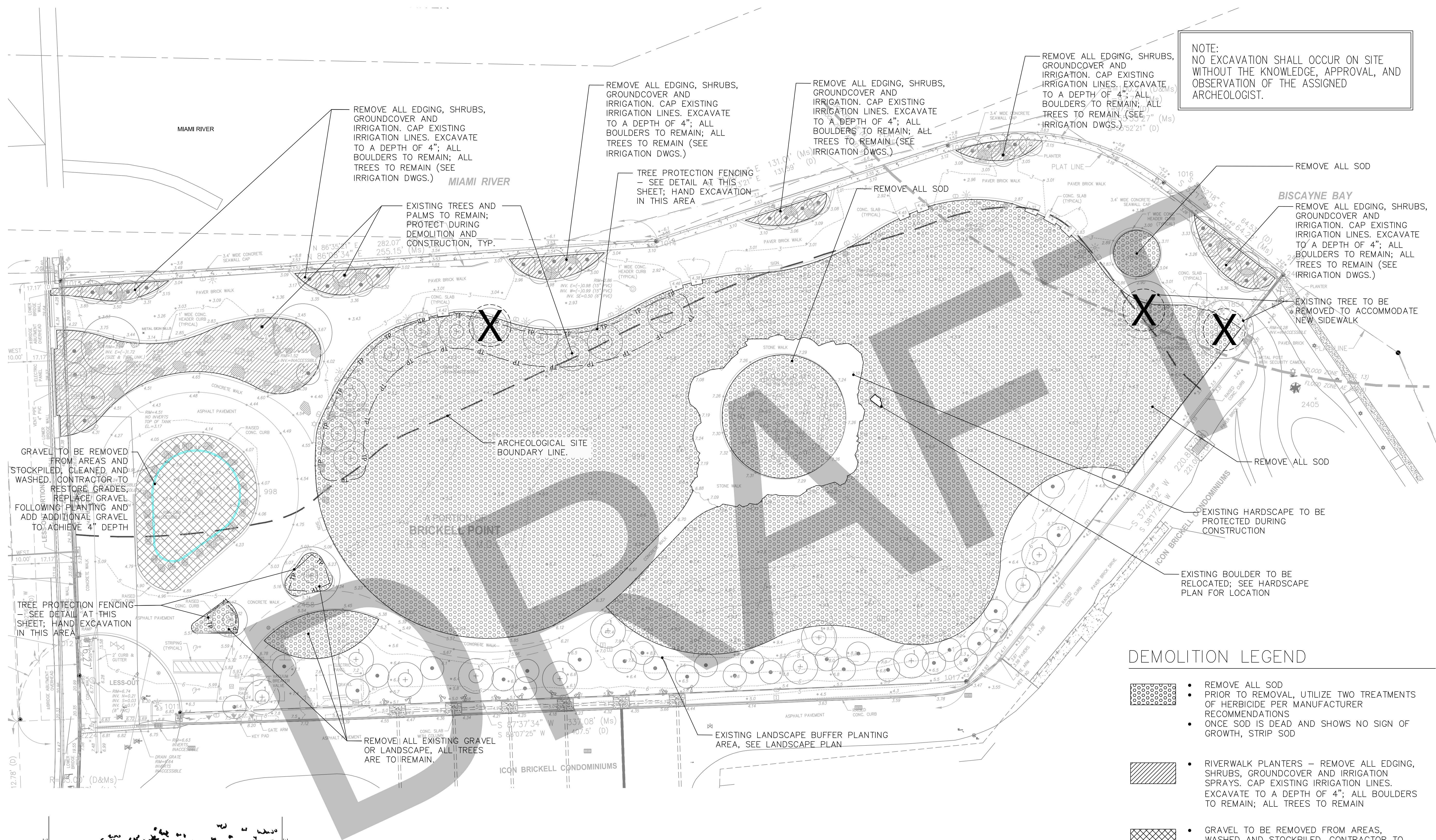


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**MIAMI CIRCLE SITE
RENOVATIONS**

MIAMI, DADE COUNTY, FLORIDA



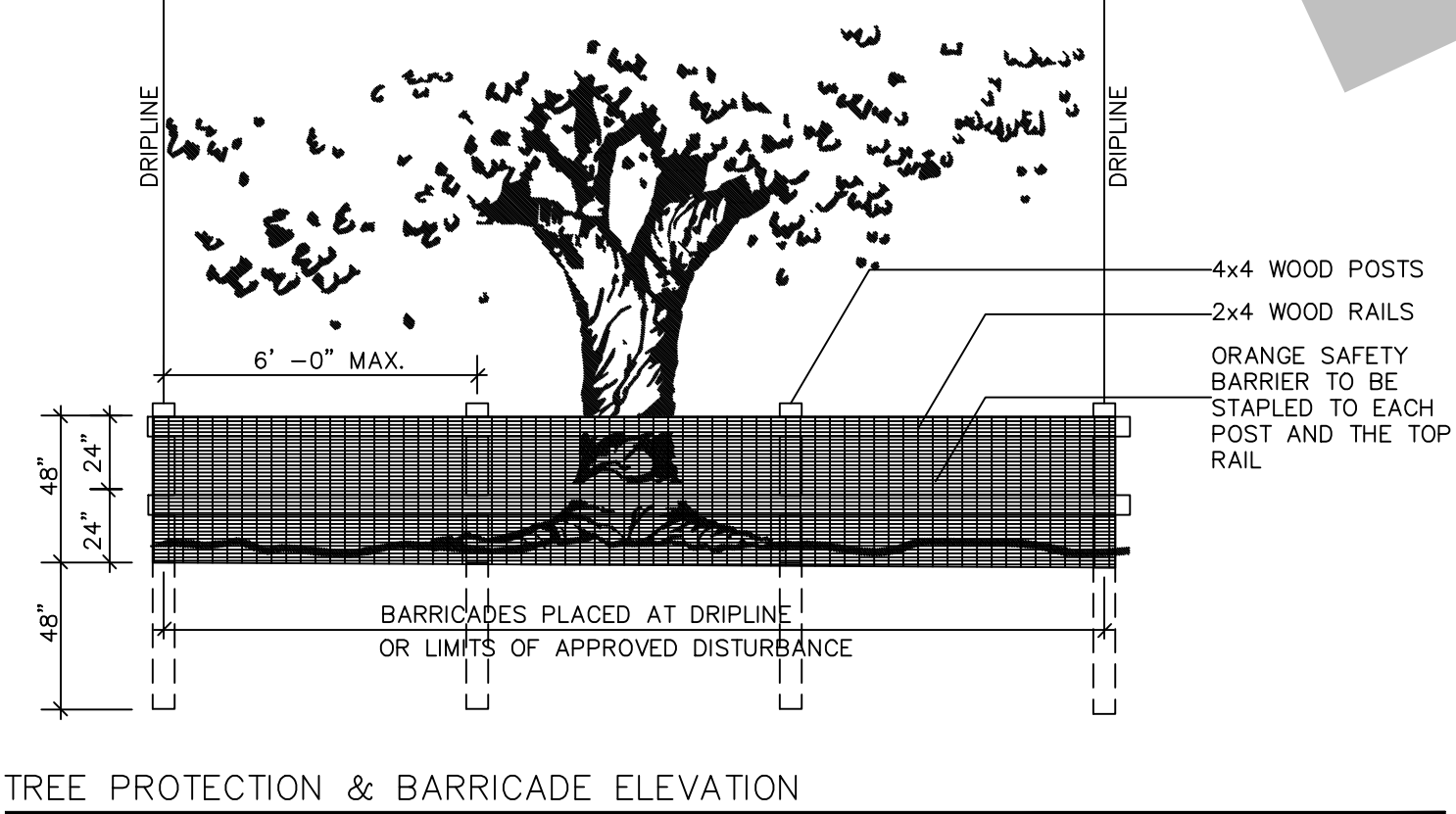
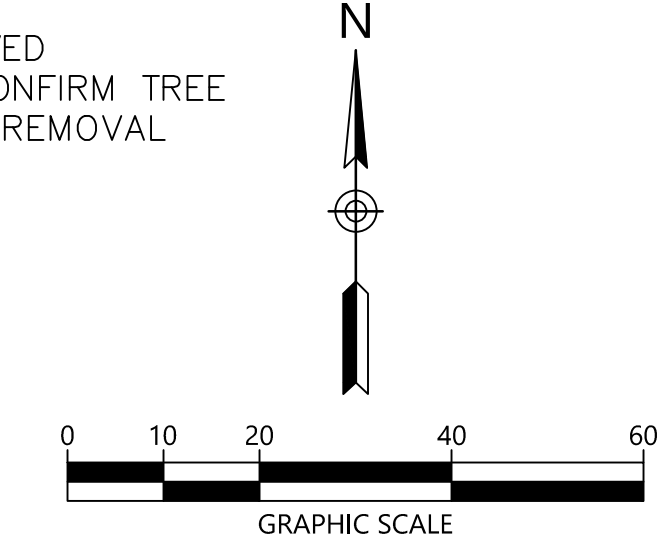
NOTE:
NO EXCAVATION SHALL OCCUR ON SITE
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OBSERVATION OF THE ASSIGNED
ARCHEOLOGIST.

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- NOTE**
- ROOT PRUNING SHALL BE DONE BY OR UNDER SUPERVISION OF AN ISA CERTIFIED ARBORIST, AND MEET OR EXCEED ANSI A300 OR APPROVED TREE CARE INDUSTRY STANDARDS. A CERTIFIED ARBORIST MUST BE ONSITE DURING THE ENTIRETY OF ROOT PRUNING.
 - NO ROOT PRUNING SHALL BE DONE WITHIN A DISTANCE OF 3X THE DIAMETER THE TREE UNLESS AUTHORIZED BY THE ARBORIST.
 - NO MORE THAN 30% OF THE TREES ROOTS MAY BE PRUNED.
 - A PRUNING TRENCH SHALL BE CLEARED IN A WAY THAT EXPOSES THE ROOTS WHILE LEAVING THEM INTACT. USE HAND TOOLS OR AN AIR KNIFE. LIMITS OF TRENCH TO BE DETERMINED BY THE ARBORIST.
 - EXPOSED ROOTS SHALL BE CUT USING A SHARP TOOL TO PROVIDE A CLEAN CUT. ROOTS SHALL BE LEFT WITH CLEAN SMOOTH ENDS AND NO RAGGED EDGES.
 - AFTER PRUNING, TREE ROOTS SHALL BE COVERED AND KEPT MOIST. FILL PRUNING TRENCH WITH TOPSOIL AND WATER DAILY FOR A PERIOD DETERMINED BY THE ARBORIST.
 - PROTECT ALL EXISTING SITE FURNISHINGS, HARDSCAPE AND LANDSCAPE TO REMAIN DURING DEMOLITION ACTIVITIES.

DEMOLITION LEGEND

- REMOVE ALL SOD. PRIOR TO REMOVAL, UTILIZE TWO TREATMENTS OF HERBICIDE PER MANUFACTURER RECOMMENDATIONS. ONCE SOD IS DEAD AND SHOWS NO SIGN OF GROWTH, STRIP SOD.
- RIVERWALK PLANTERS – REMOVE ALL EDGING, SHRUBS, GROUNDCOVER AND IRRIGATION SPRAYS. CAP EXISTING IRRIGATION LINES. EXCAVATE TO A DEPTH OF 4"; ALL BOULDERS TO REMAIN; ALL TREES TO REMAIN.
- GRAVEL TO BE REMOVED FROM AREAS, WASHED AND STOCKPILED. CONTRACTOR TO RESTORE GRADES, REPLACE GRAVEL FOLLOWING PLANTING AND ADD ADDITIONAL GRAVEL TO ACHIEVE 4" DEPTH.
- TREE PROTECTION FENCING
- TREE TO BE REMOVED. CONTRACTOR TO CONFIRM TREE IS DEAD PRIOR TO REMOVAL.



TREE PROTECTION & BARRICADE ELEVATION

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NO.	DATE	DESCRIPTION	BY	CHK	APV
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09/14/18		50% CD	BW	BH	JH

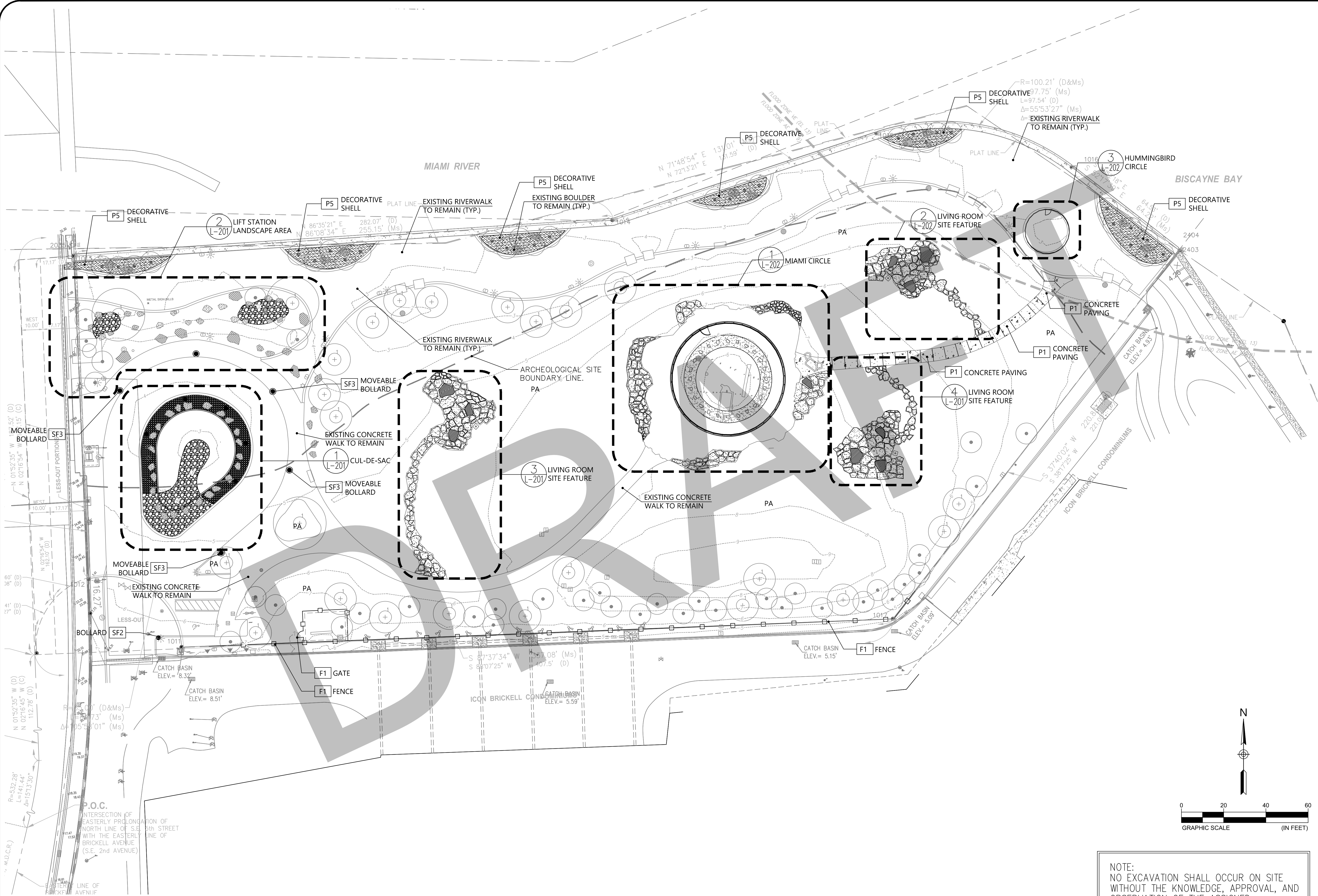
PROJECT NUMBER
527118100

DRAWING NUMBER
L-100

DRAWING NAME

DEMOLITION PLAN

T:\Projects\2018\18-100_Miami_Cir_Site_Renovations\CAD\Construction\527118100_L-200_HS-Plan.dwg - L-200 Sep 28, 2018 swong



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MIAMI CIRCLE SITE
RENOVATIONS

MIAMI, DADE COUNTY, FLORIDA

NO.	DATE	DESCRIPTION	BY	CHK	APV
	09/28/18	100% CD REVIEW	BW	BH	JH
	09/14/18	SET 50% CD	BW	BH	JH

PROJECT NUMBER
DRAWING NUMBER
L-200
DRAWING NAME
HARDSCAPE PLAN



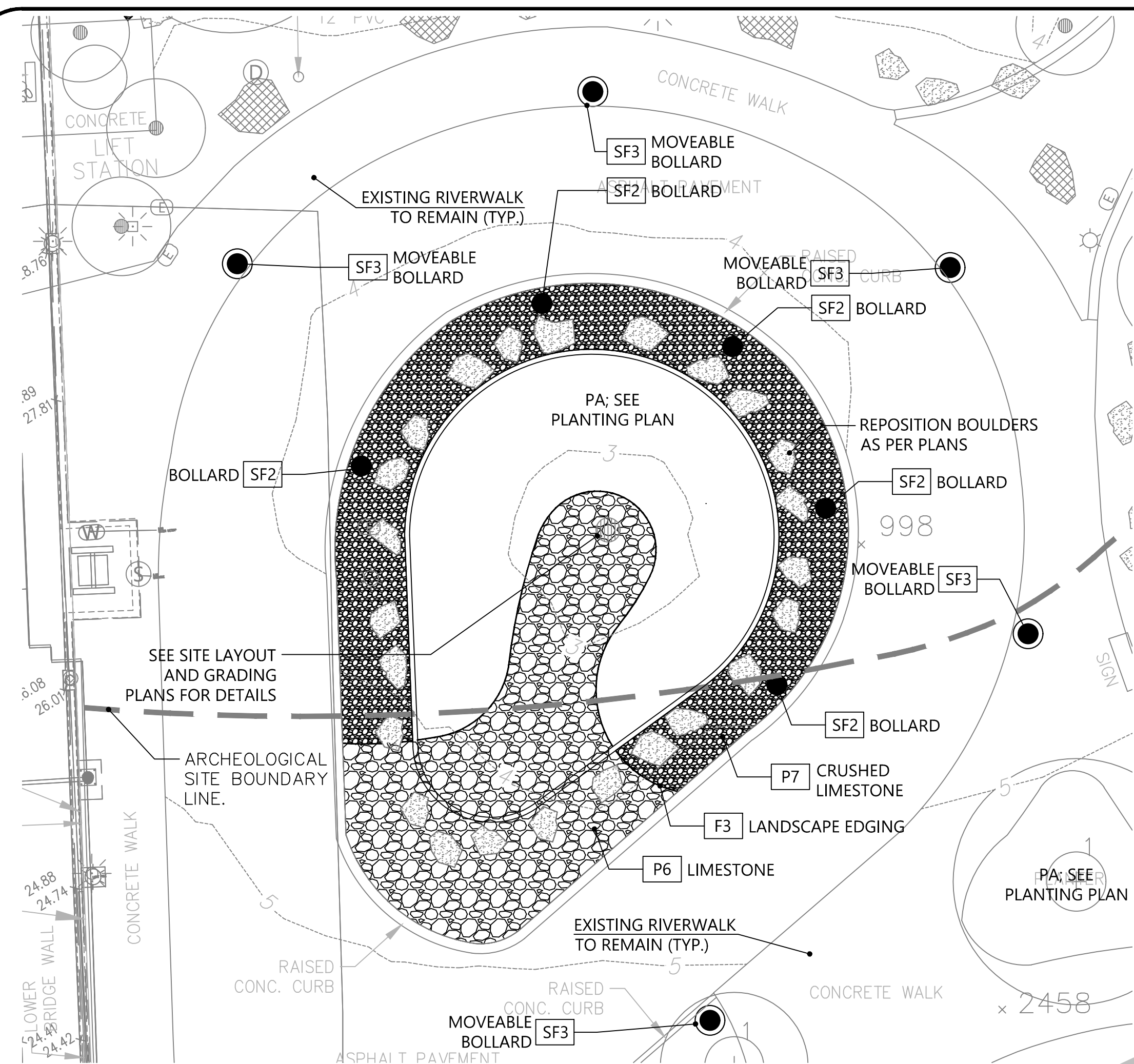
1615 EDGEWATER DRIVE, STE 200,
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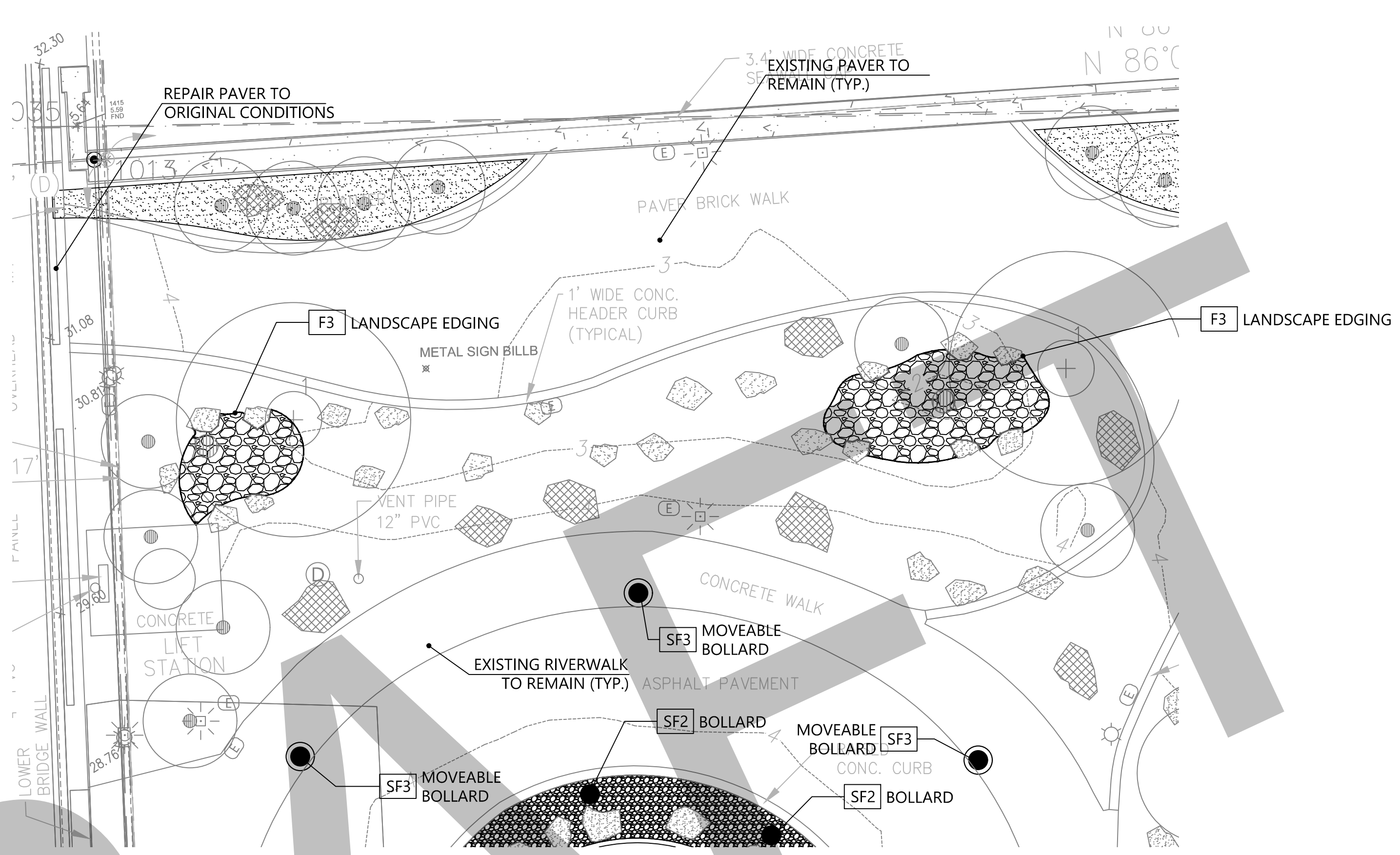
MIAMI CIRCLE SITE
RENOVATIONS

MIAMI, DADE COUNTY, FLORIDA

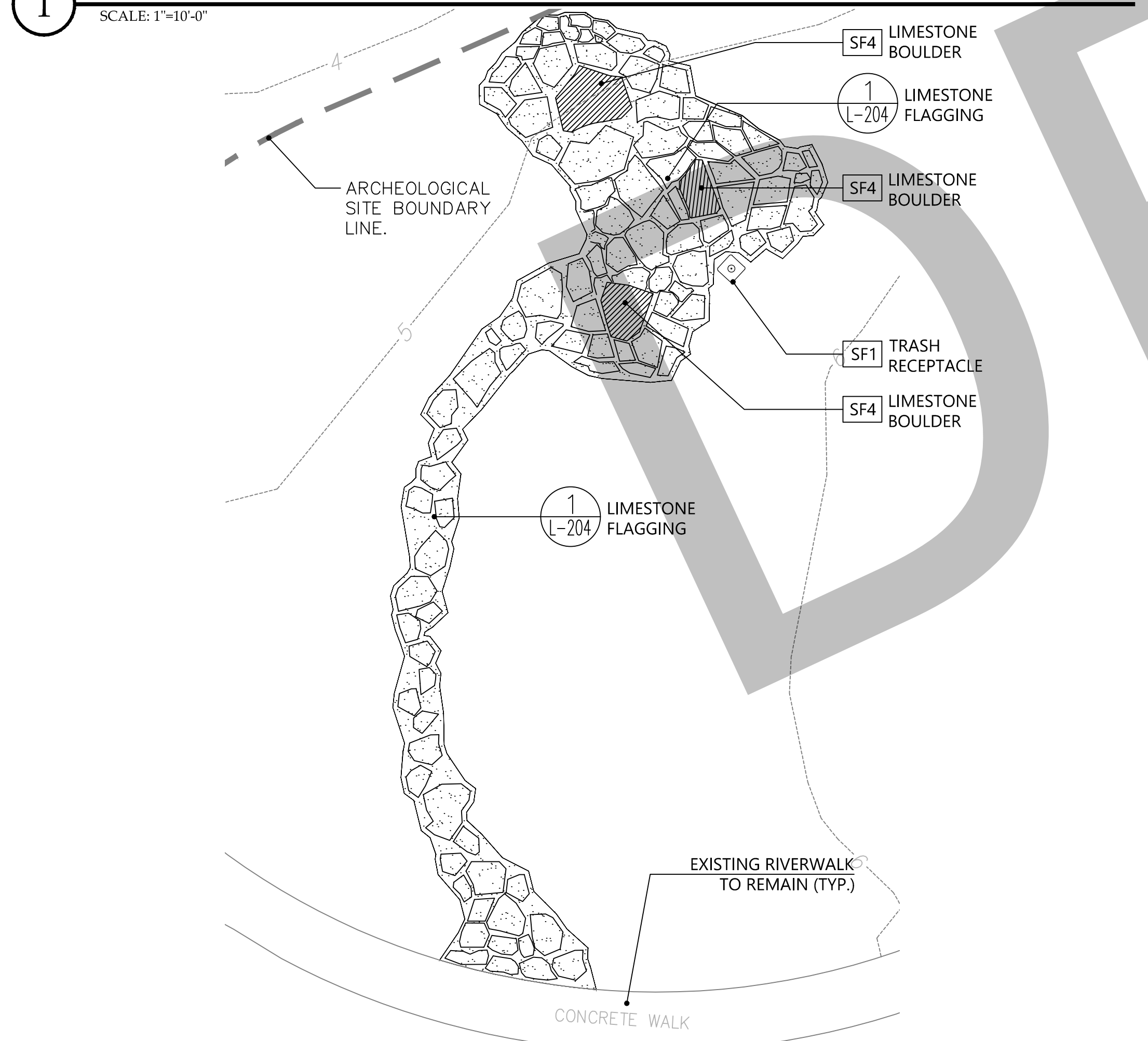
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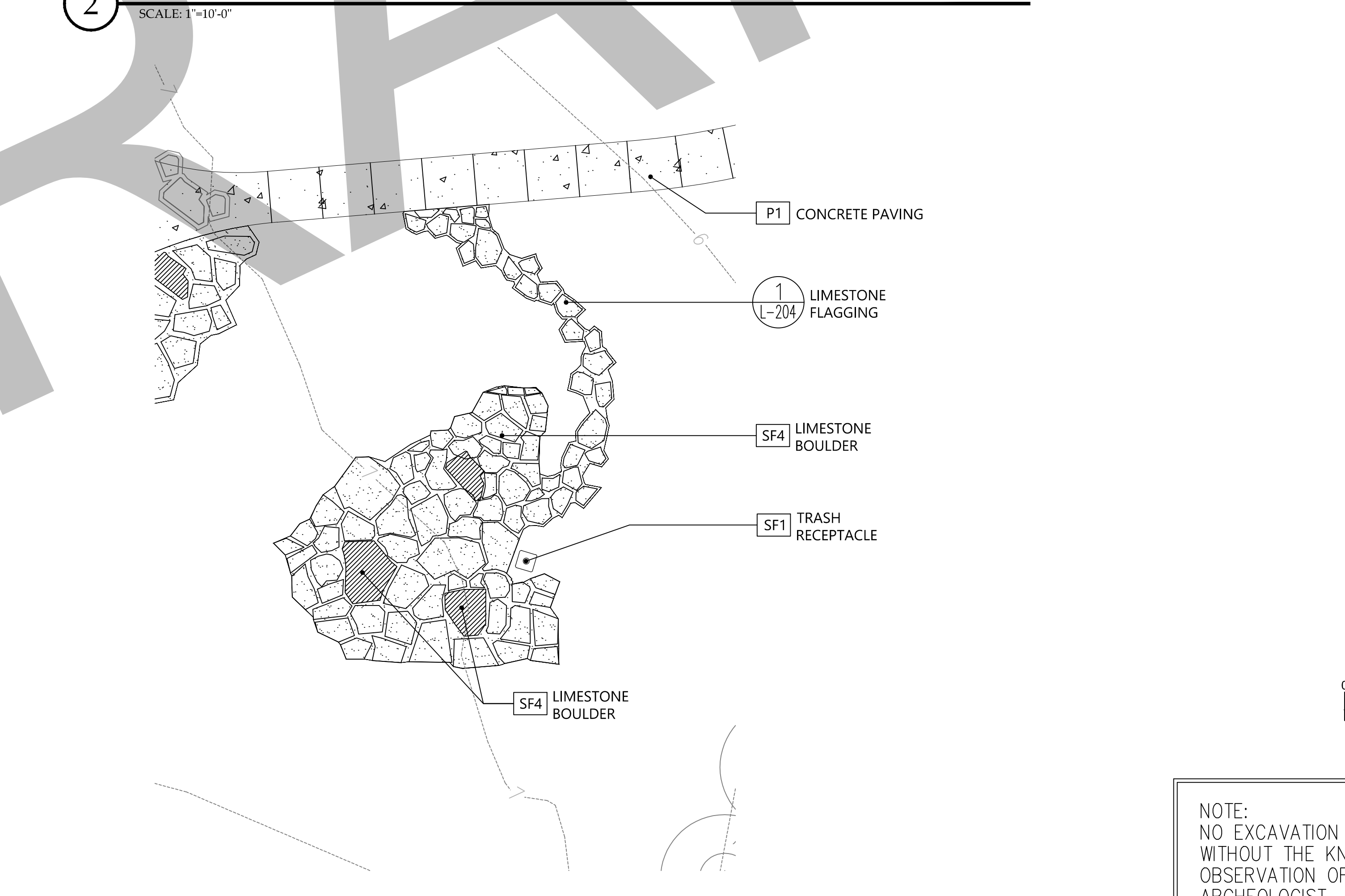
1 CUL-DE-SAC
SCALE: 1"=10'-0"



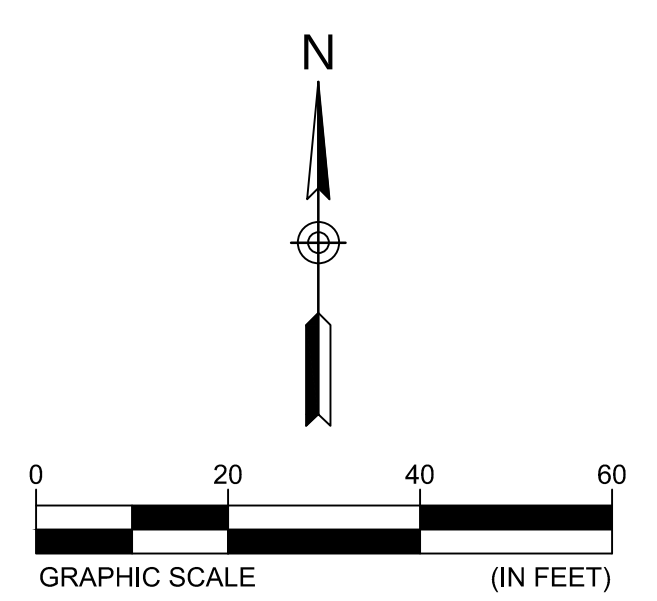
2 LIFT STATION LANDSCAPE AREA
SCALE: 1"=10'-0"



3 LIVING ROOM SITE FEATURE
SCALE: 1"=10'-0"



4 LIVING ROOM SITE FEATURE
SCALE: 1"=10'-0"

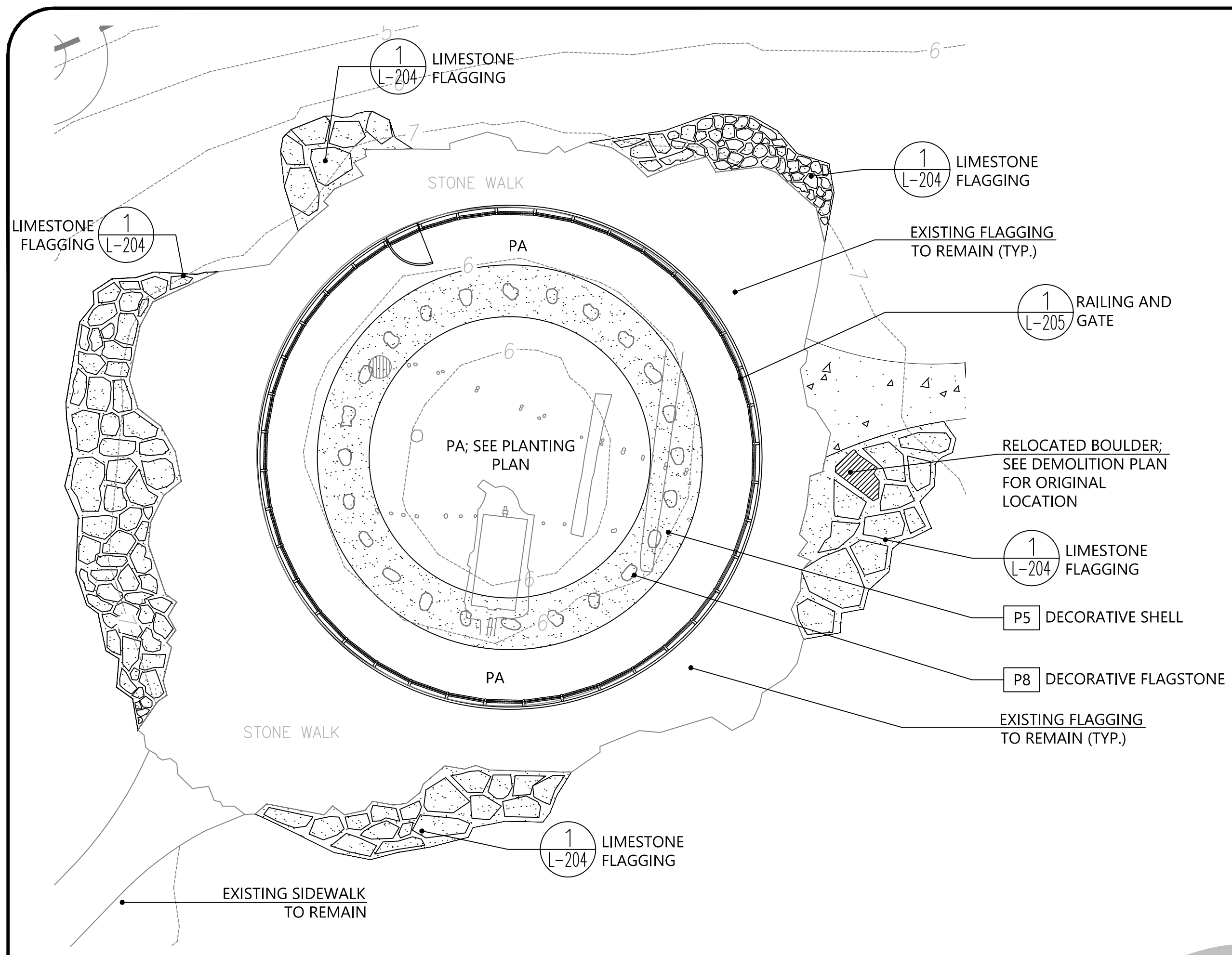


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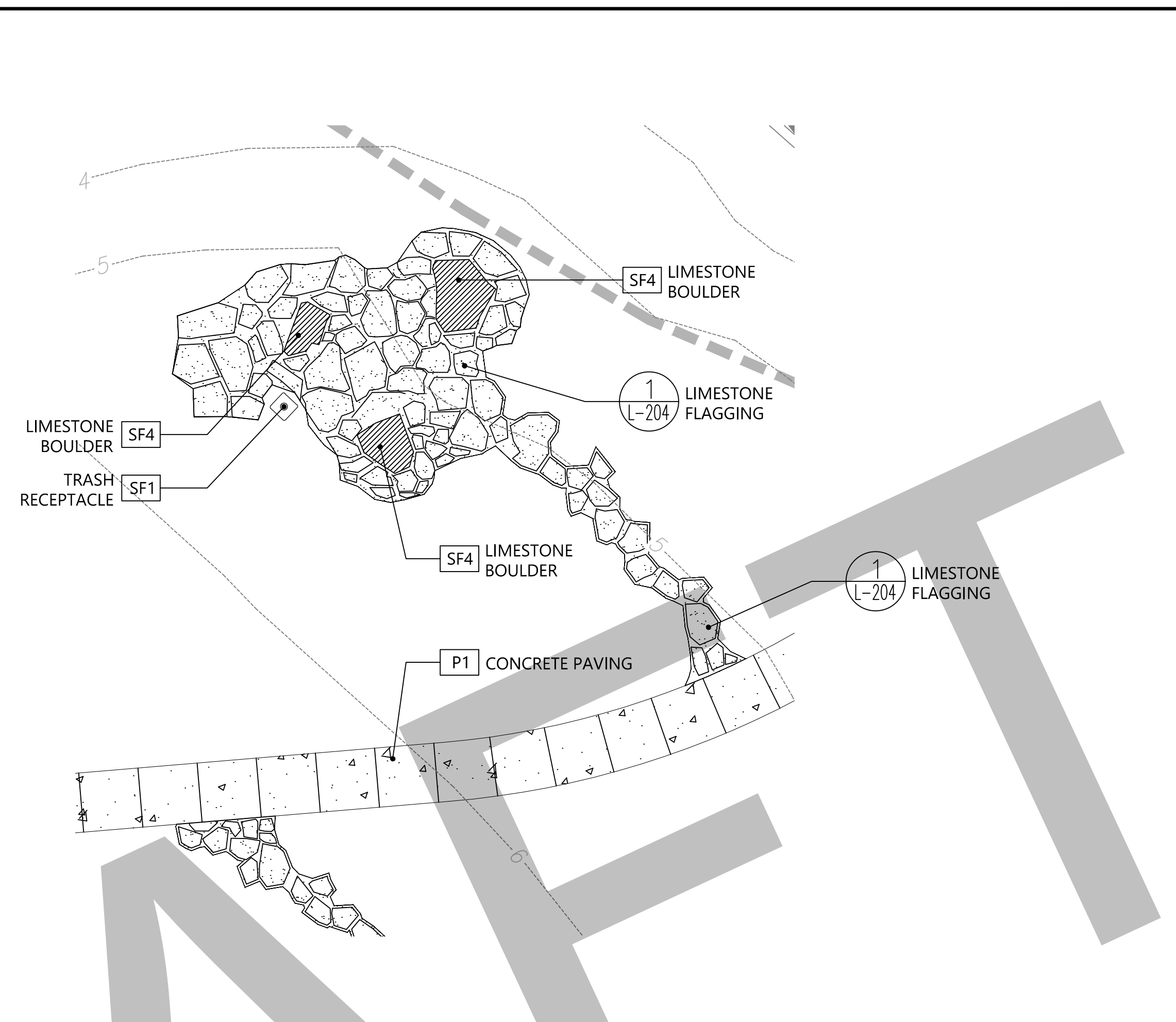
NO.	DATE	DESCRIPTION	BY	CHK	APV
	09/28/18	100% CD REVIEW	BW	BH	JH
	09/14/18	SET 50% CD	BW	BH	JH

PROJECT NUMBER
DRAWING NUMBER
L-201
DRAWING NAME
HARDSCAPE
ENLARGEMENT
PLAN

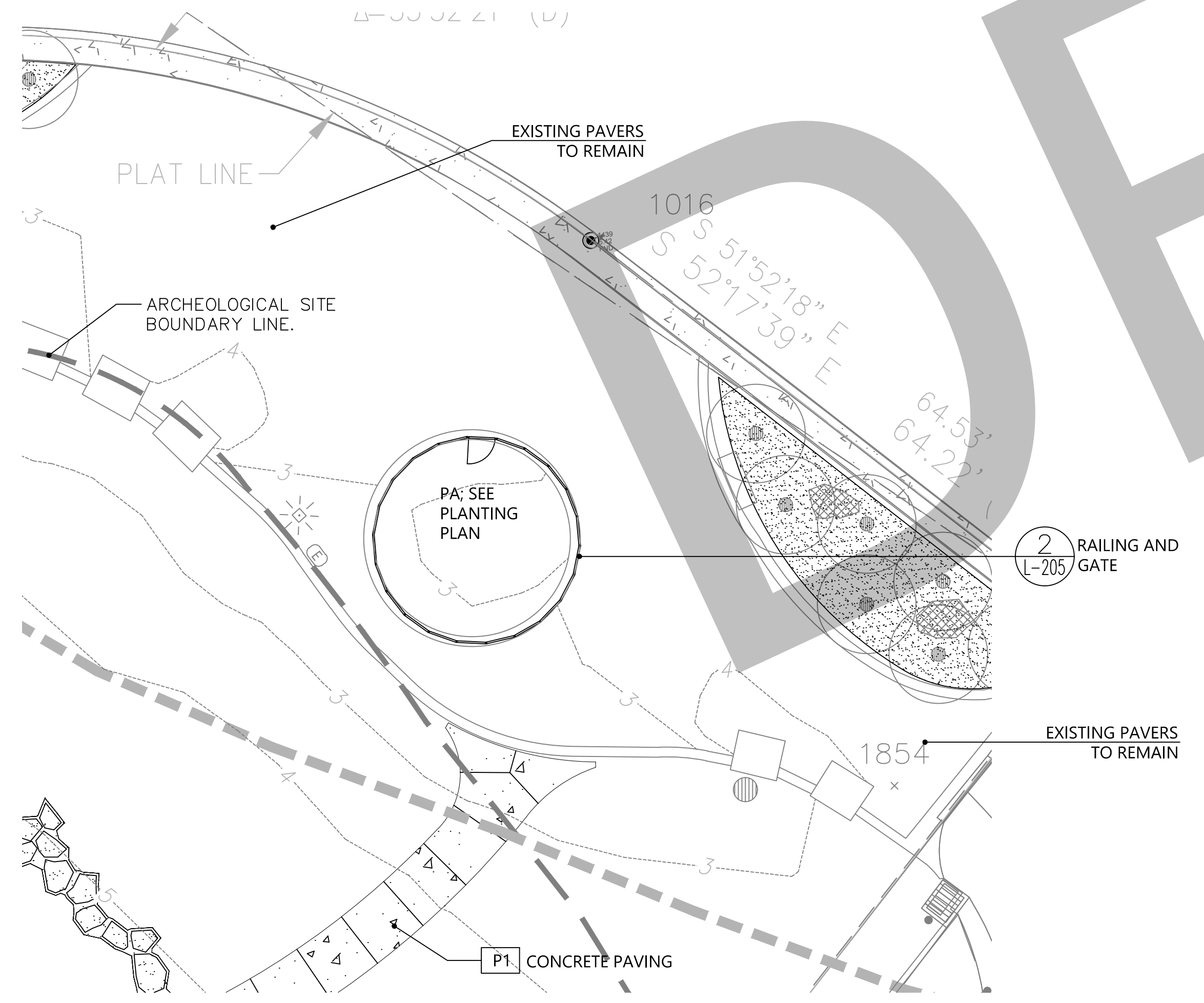
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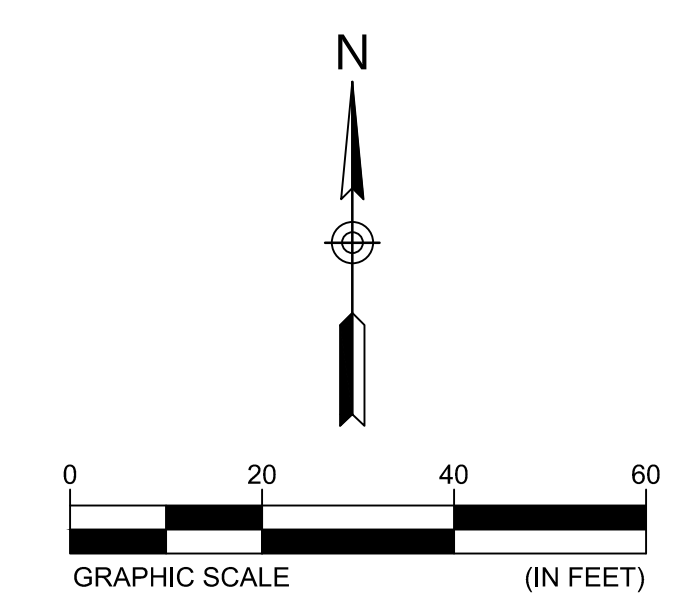
1 MIAMI CIRCLE
SCALE: 1"=10'-0"



2 LIVING ROOM SITE FEATURE
SCALE: 1"=10'-0"



3 HUMMING BIRD
SCALE: 1"=5'-0"



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MIAMI CIRCLE SITE RENOVATIONS

MIAMI, DADE COUNTY, FLORIDA

NO.	DATE	DESCRIPTION	BY	CHK	APV
	09/28/18	100% CD REVIEW	BW	BH	JH
	09/14/18	SET 50% CD	BW	BH	JH

PROJECT NUMBER
DRAWING NUMBER
L-202
DRAWING NAME
HARDSCAPE ENLARGEMENT PLAN

FINISH SCHEDULE

Tag	Material	Color / Pattern / Finish	Model / Style	Dimension	Manufacturer / Supplier	Notes	Detail
Paving							
P1	Concrete Paving	To match existing: natural grey, light broom finish	N/A	See Plan 4" deep	Scofield or Approved Equal		LA
P2	Limestone Flagging Size 'A'	To match existing	Florida Oolitic Limestone	6'x6' to over 4'x4'	Larry's Cap Rock and Stone or Approved Eq. (305) 247 0947	20% of paving	1,4/L-204
P3	Limestone Flagging Size 'B'	To match existing	Florida Oolitic Limestone	4'x4' to over 2'x2'	Larry's Cap Rock and Stone or Approved Eq. (305) 247 0947	70% of paving	1,4/L-204
P4	Limestone Flagging Size 'C'	To match existing	Florida Oolitic Limestone	2'x2' to over 1/2'x1/2'	Larry's Cap Rock and Stone or Approved Eq. (305) 247 0947	10% of paving	1,4/L-204
P5	Decorative Shell	To match existing Crushed oyster washed shell	Crushed Oyster Washed Shell	1/2" without whelks 4" deep	Epic Stone Works (305) 255 2848		
P6	Limestone		Florida Oolitic Limestone	4"-8" 4" deep	Epic Stone Works (305) 255 2848		
P7	Crushed Limestone	To match existing	Florida Oolitic Limestone	3/4"-1" 4" deep	Epic Stone Works (305) 255 2848		
P8	Decorative Flagstone		Black Regency	18"-24" x 18"-24"	Larry's Cap Rock and Stone or Approved Eq. (305) 247 0947		
Site Furnishings							
SF1	Trash Receptacle	Powdercoat, Titanium	Pitch; Side Opening, 28 Gal. and with ash pan	N/A	Landscape Forms or Approved Equal Luis Salazar (800)430-6206 x 1314 luiss@landscapeforms.com	Surface Mount; Install per manufacturer's recommendations	3/L-204
SF2	Bollard (Typ. Of 6)	Ductile Iron Color: Polyester Powdercoated; Bengal Silver	R-7576 Fixed-anchor casting in new concrete	Height: 34-1/4" Base dia.: 5-3/4"	Reliance Foundry Co. Ltd. Or Approved Equal 1 (877)789 3245	Fixed Embedded Mount; Install per manufacturer's recommendations	1/L-208
SF3	Moveable Bollard (Typ. Of 5)	Ductile Iron Color: Polyester Powdercoated; Bengal Silver	R-7576 Removable-anchor casting in new concrete	Height: 34-1/4" Base dia.: 5-3/4"	Reliance Foundry Co. Ltd. Or Approved Equal 1 (877)789 3245	Removable Receiver with Chain; Install per manufacturer's recommendations	2/L-208
SF4	Limestone Boulder (Typ. Of 9)		Florida Cap Rock Boulder	Varies; See Details	Epic Stone Works (305) 255 2848		5/L-204
Fence, Gate, Edging							
F1	Fence and Gate	Black	Omega Architectural	Fence: 5' H.T., 2"x2" posts Gate: 3' Opening, 3"x3" posts	Omega II Fence Systems or Approved Equal Jim Kane (727)424 7075 jkane@aficonllc.com	Install per manufacturer's recommendations	1/L-207
F2A	Railing Fence	Stainless Steel 316, Marine Grade Railing Perforated Metal Panels, 11 Gauge Stainless Steel, Round hole, 1" staggered		3'-6" HT.			1/L-205, L-206
F2B	Railing Fence	Stainless Steel 316, Marine Grade Railing Perforated Metal Panels, 11 Gauge Stainless Steel, Round hole, 1" staggered		2'-1" HT.			2/L-205, L-207
F3	Landscape Edging	Mill Finish	"Cleanline" Edging	3/16"x5.5"	Pemaloc (800)356 9660	Install per manufacturer's recommendations	

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MIAMI CIRCLE SITE
RENOVATIONS
MIAMI, DADE COUNTY, FLORIDA

NOTE: CONTRACTOR MUST SUBMIT SAMPLES AND/OR OBTAIN SHOP DRAWING APPROVAL FOR ALL FINISH SCHEDULE ITEMS. INSTALL ALL ITEMS AS PER MANUFACTURER'S SPECIFICATIONS UNLESS OTHERWISE NOTED ON THESE DETAILS.

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NO.	DATE	DESCRIPTION	BY	CHK	APV
	09/28/18	100% CD REVIEW SET	BW	BH	JH
	09/14/18	50% CD	BW	BH	JH

PROJECT NUMBER
527118100
DRAWING NUMBER
L-203
DRAWING NAME
FINISH SCHEDULE



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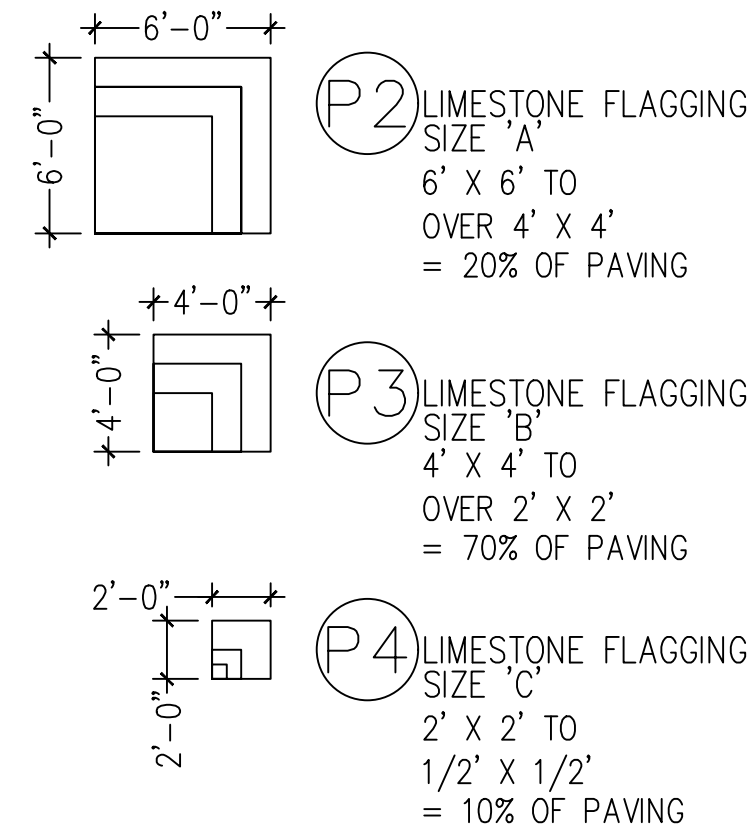
Florida Firm Registration No. 6712

MIAMI CIRCLE SITE
RENOVATIONS

MIAMI, DADE COUNTY, FLORIDA

NOTE:
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NOTE:
1. LIMESTONE FLAGGING SHOWN IN THREE
SIZE CATEGORIES.



2. CONTRACTOR TO OUTLINE LIMITS OF LIMESTONE
FLAGGING FOR APPROVAL BY OWNER'S REPRESENTATIVE
PRIOR TO CONSTRUCTION.

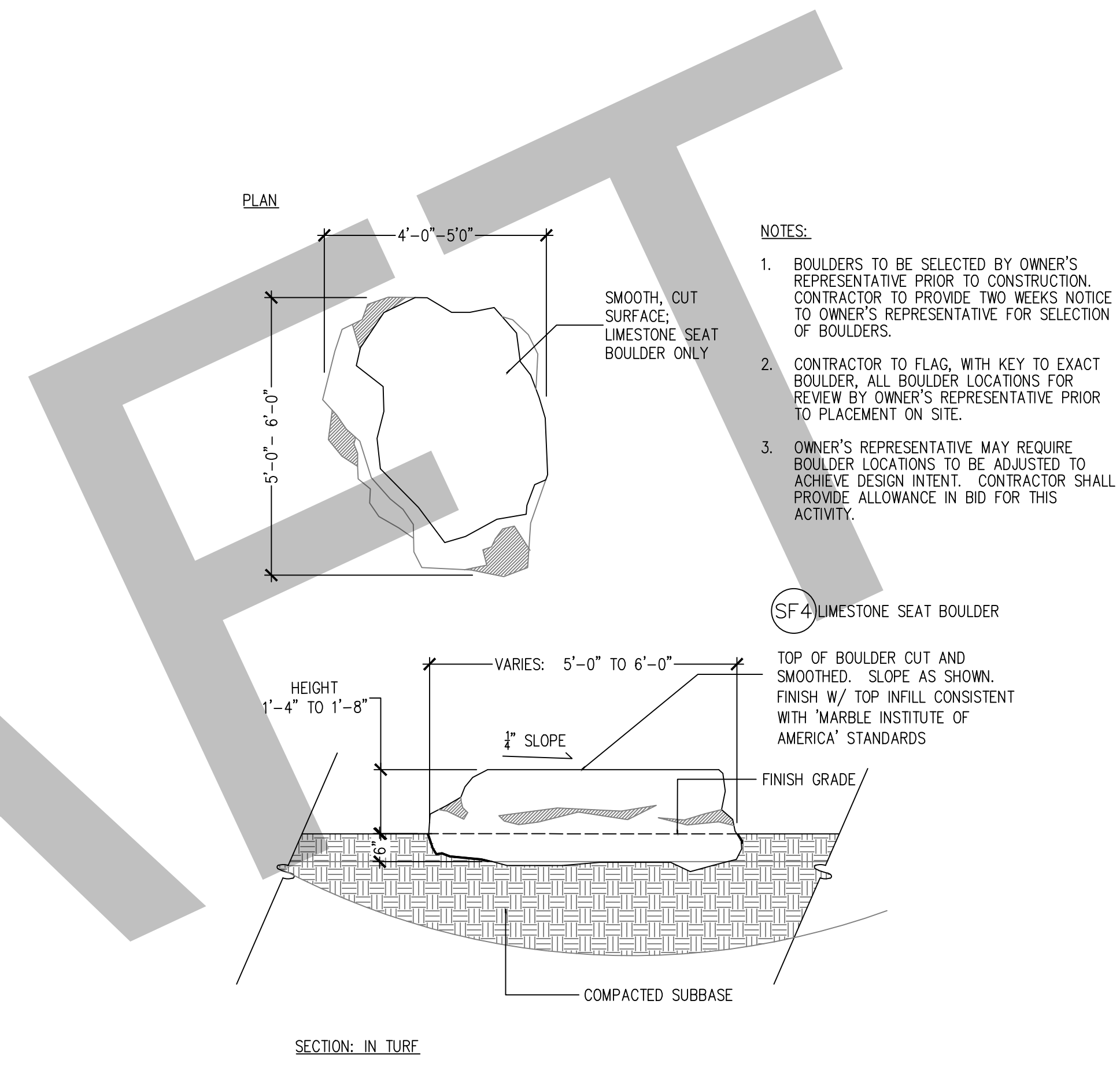
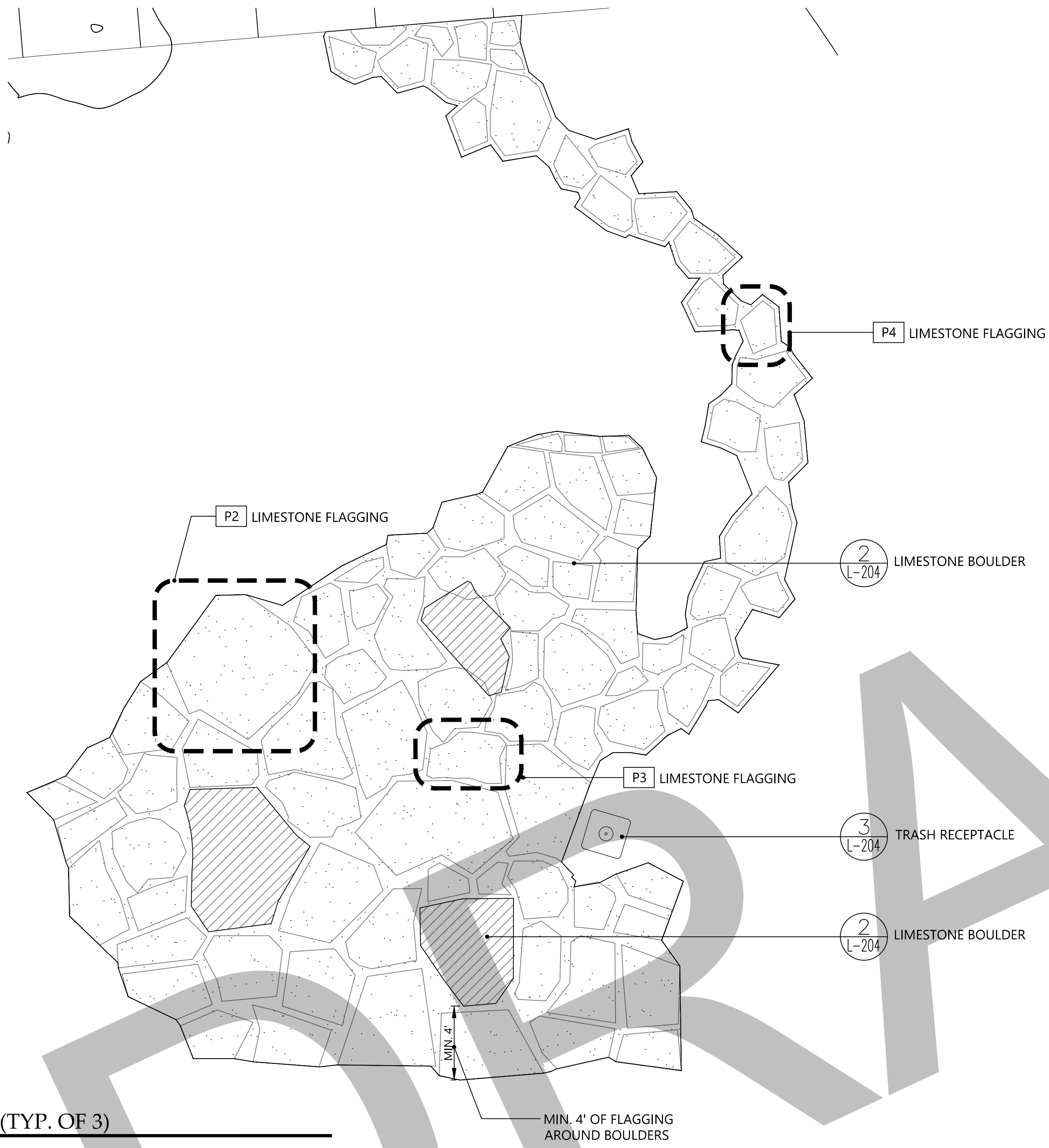
3. CONTRACTOR TO DRY SET REPRESENTATIVE AREA OF
FLAGGING AND BOULDERS FOR REVIEW BY OWNER'S
REPRESENTATIVE FOR COMPLIANCE WITH DESIGN INTENT.
FLAGGING / BOULDERS MAY NEED ADJUSTMENTS TO MEET
DESIGN INTENT

4. FLAGGING TO BE SET ON CRUSHED CONCRETE.
SEE

4
L-204

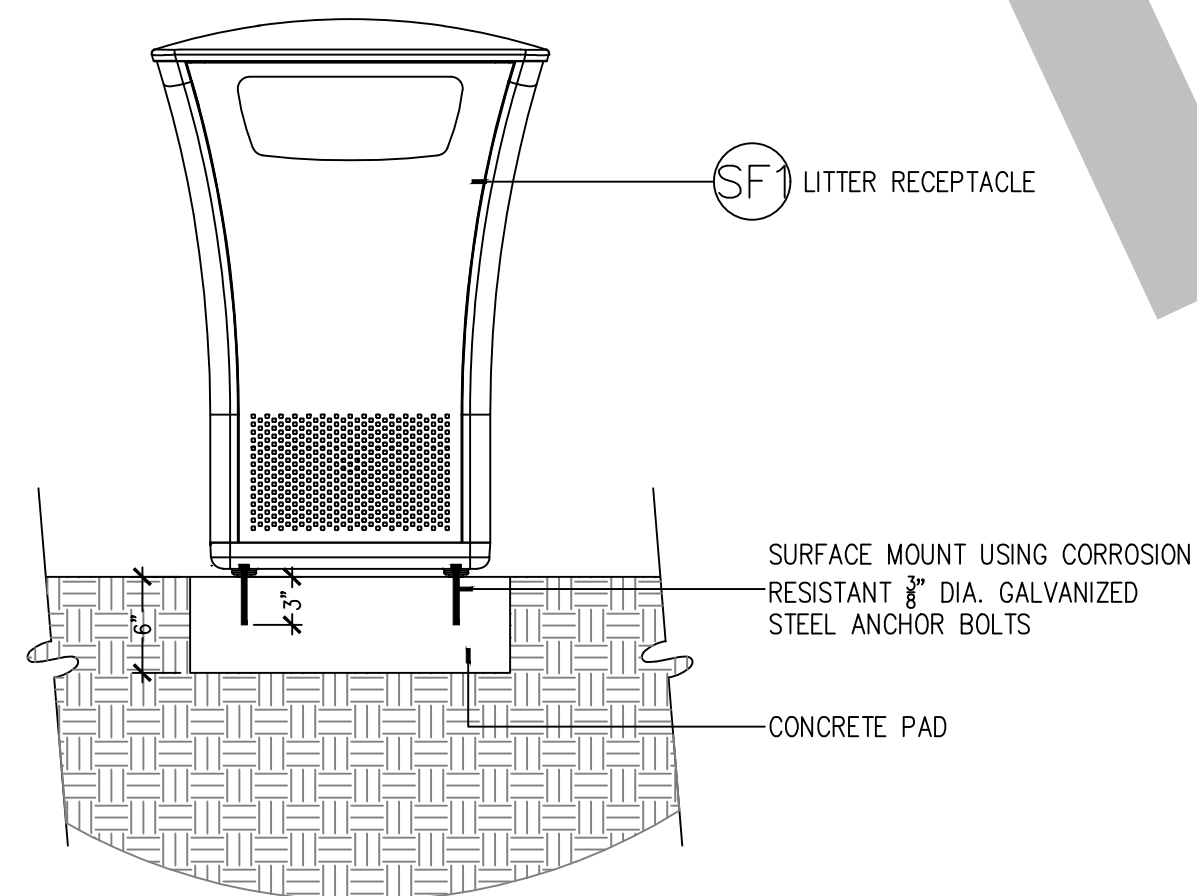
5. GAPS BETWEEN FLAGGING TO BE 1/2" TO 2", MAX.

6. SURFACE LEVEL DIFFERENCE IN FLAGGING 1/4" MAX.

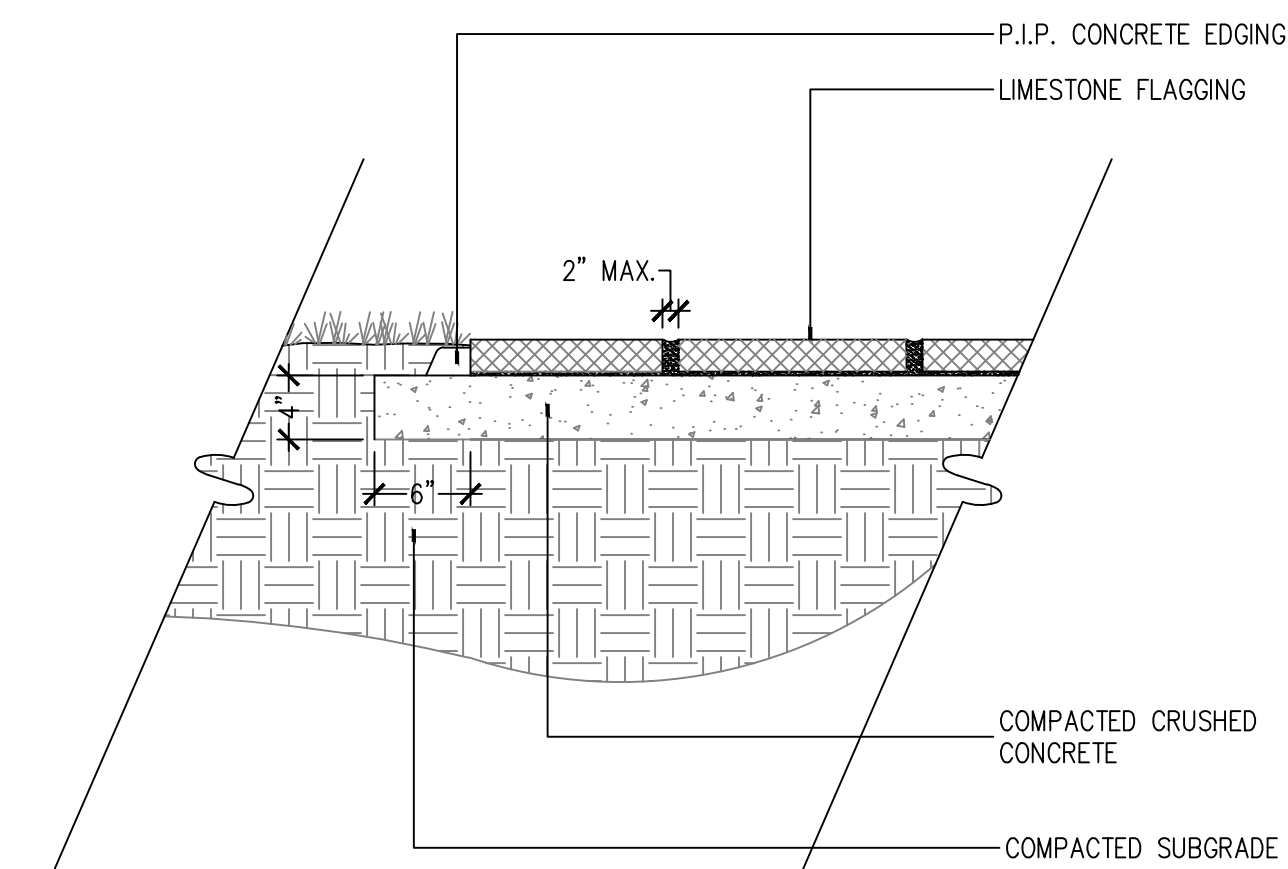


1 LIVING ROOM SITE FEATURE (TYP. OF 3)
SCALE: 1/4"=1'-0"

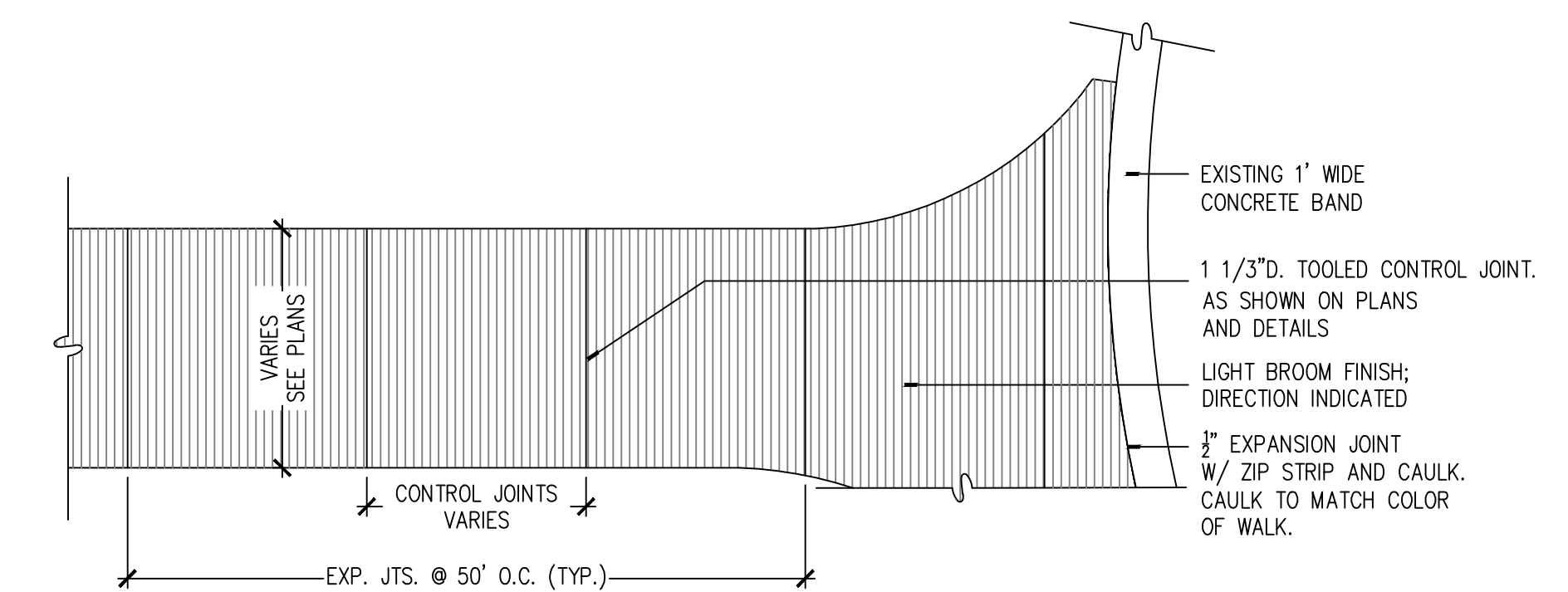
2 LIMESTONE BOULDER
SCALE: 1/2"=1'-0"



3 TRASH RECEPTACLE MOUNTING
SCALE: 1"=1'-0"



4 LIMESTONE FLAGGING
SCALE: 1"=1'-0"



5 CONCRETE WALKWAY SCORING/FINISH
SCALE: 1/4"=1'-0"

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NO.	DATE	DESCRIPTION	BY	CHK	APV
09/28/18		100% CD REVIEW SET	BW	BH	JH
09/14/18		50% CD	BW	BH	JH

PROJECT NUMBER
527118100

DRAWING NUMBER
L-204

DRAWING NAME

HARDSCAPE
DETAILS



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**MIAMI CIRCLE SITE
RENOVATIONS**

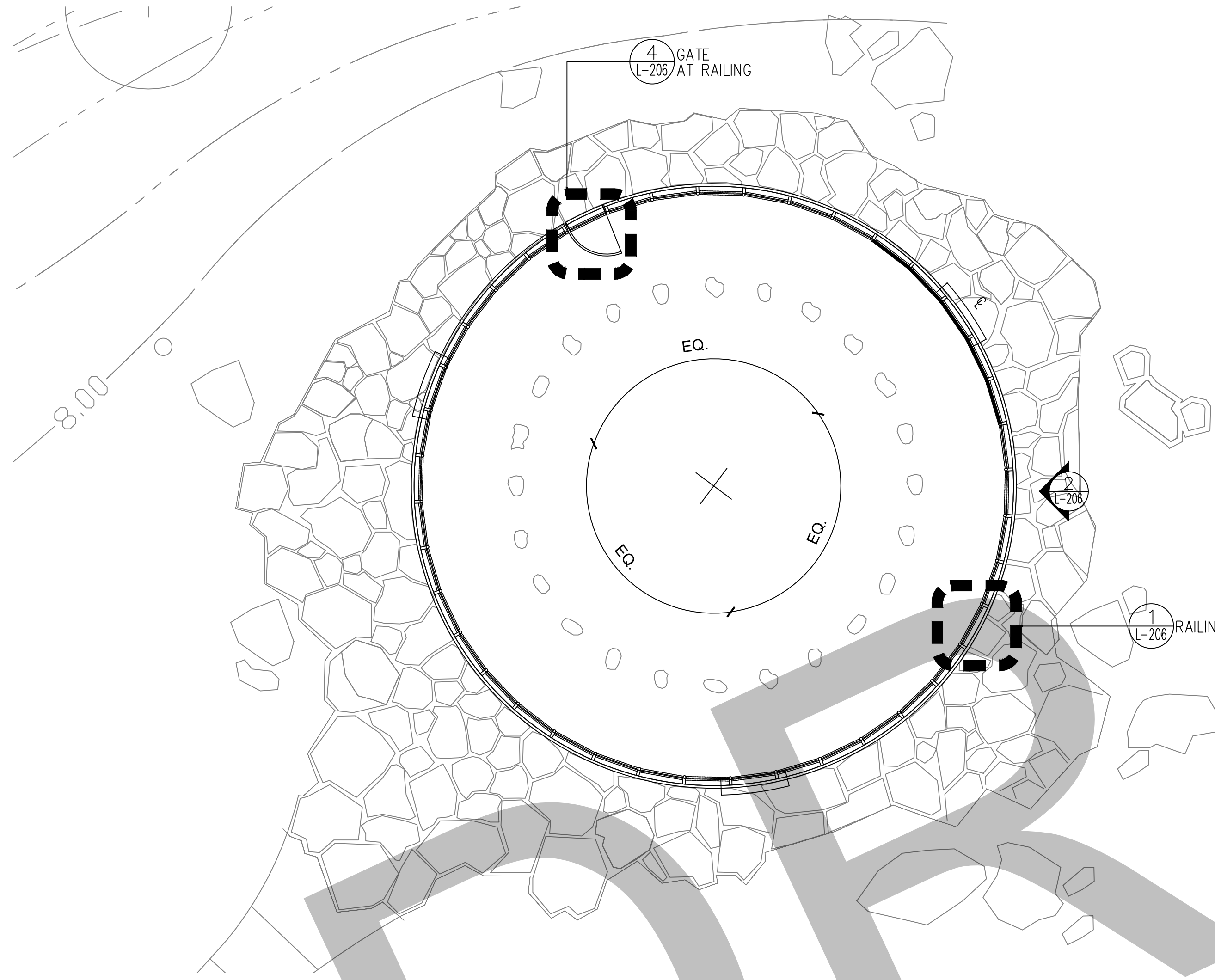
MIAMI, DADE COUNTY, FLORIDA

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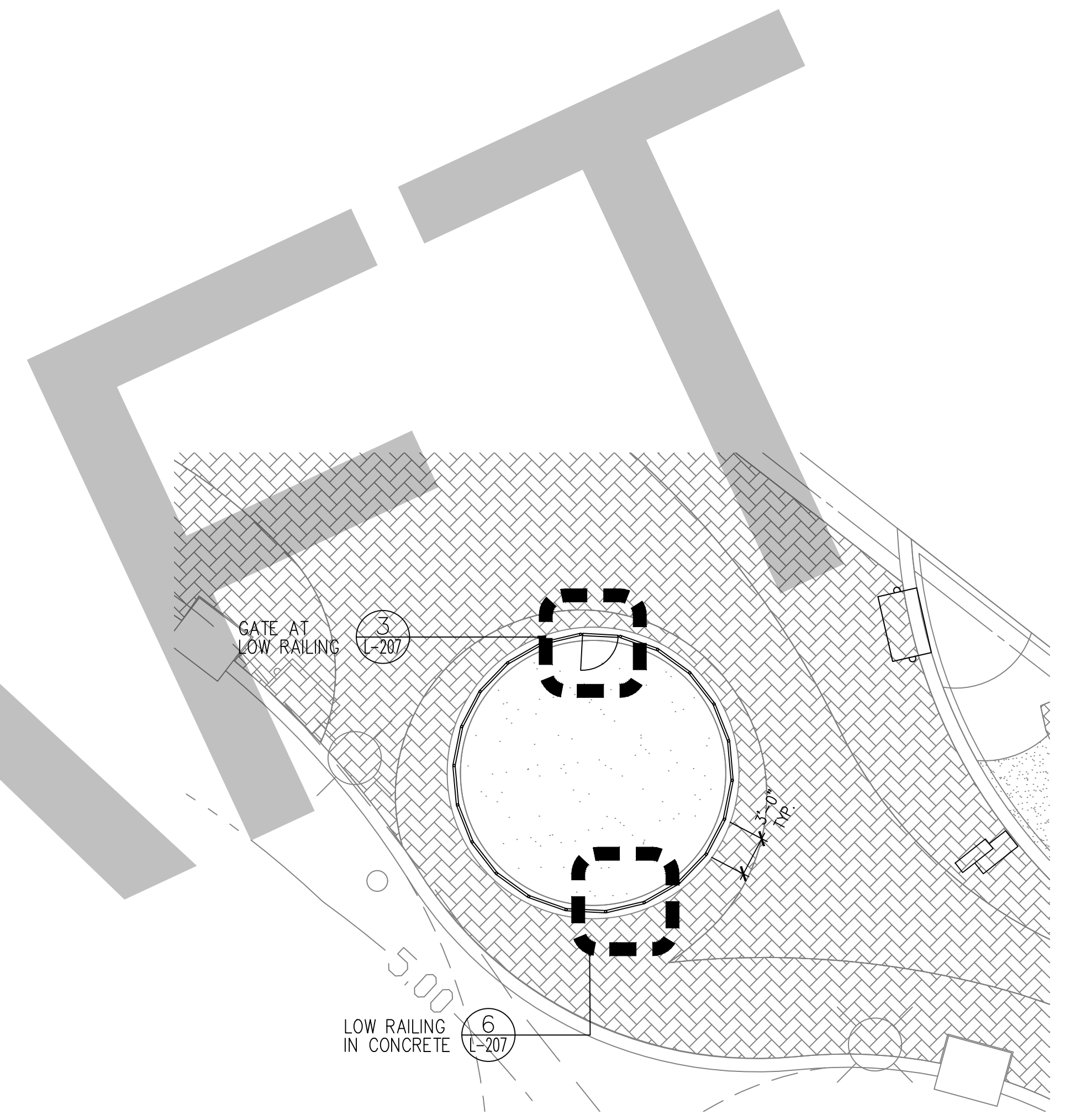
PROJECT NUMBER
527118100

DRAWING NUMBER
L-205

DRAWING NAME
**HARDSCAPE
DETAILS**



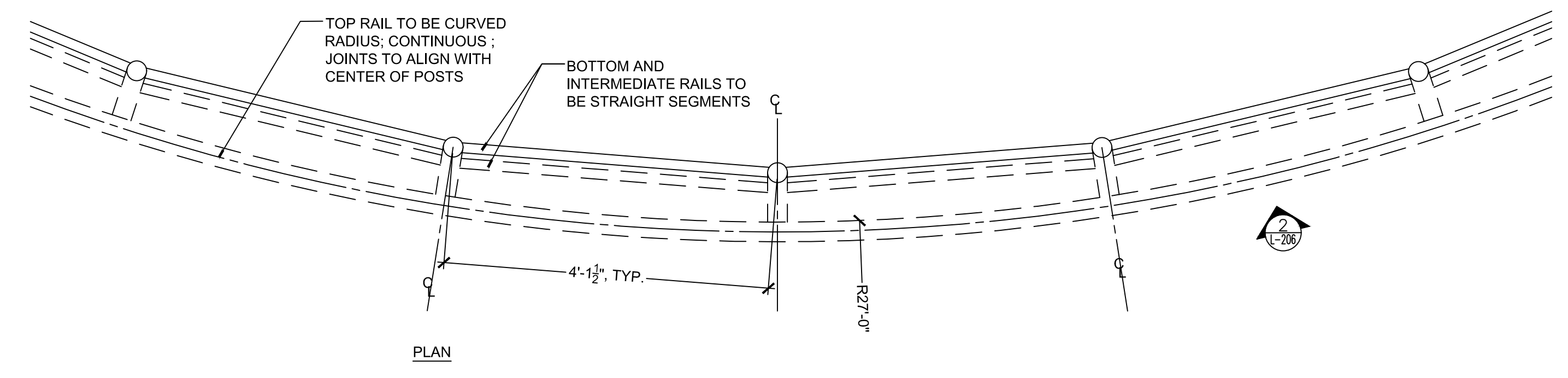
1 RAILING PLAN ENLARGEMENT
SCALE: 1/8" = 1'-0"



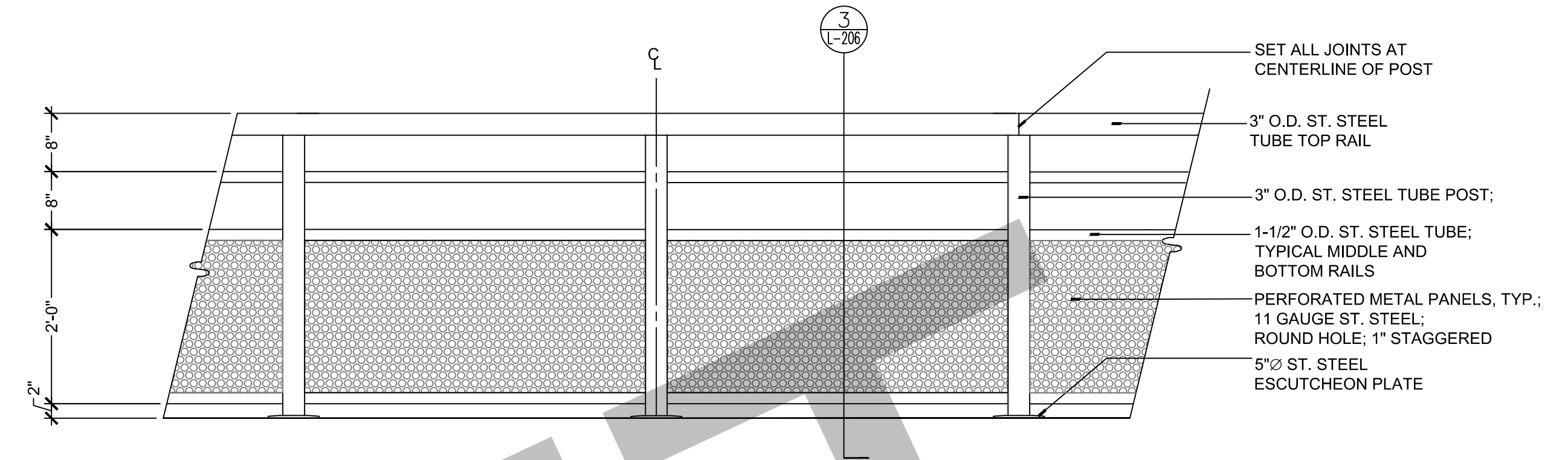
2 HUMMINGBIRD CIRCLE PLAN ENLARGEMENT
SCALE: 1/8" = 1'-0"

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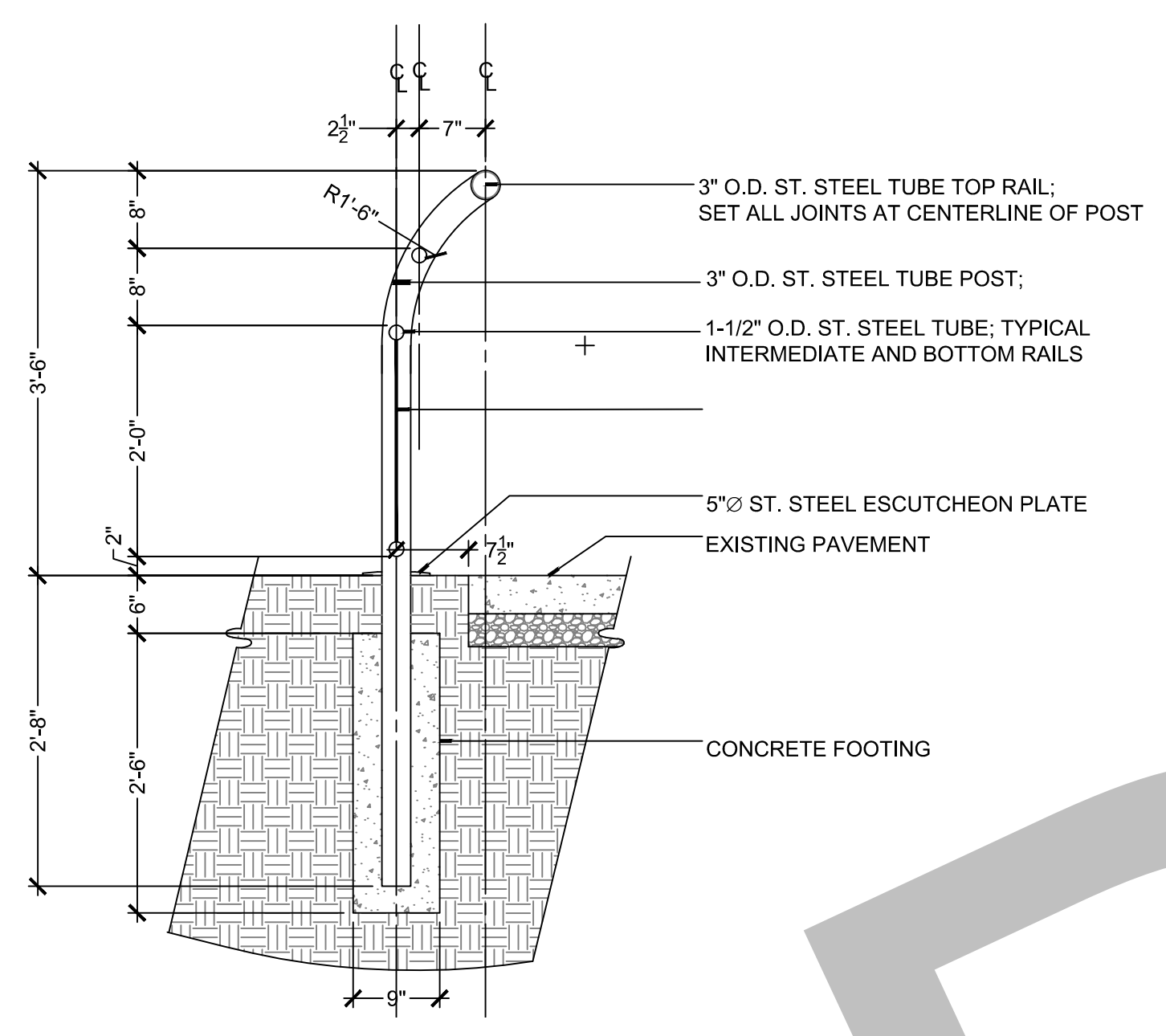
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1 RAILING - PLAN DETAIL
SCALE: 3/4" = 1'-0"

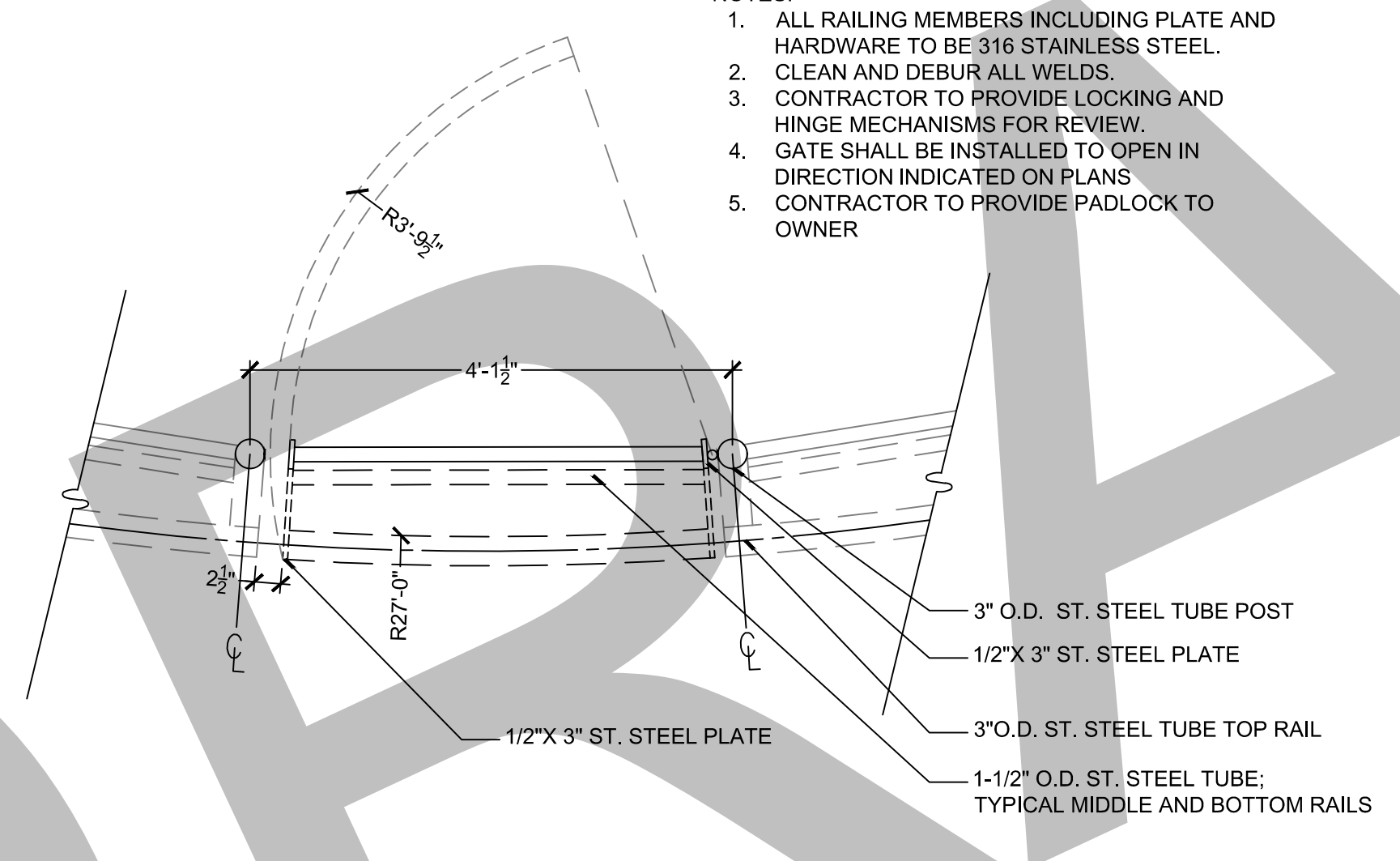


2 RAILING - ELEVATION
SCALE: 3/4" = 1'-0"



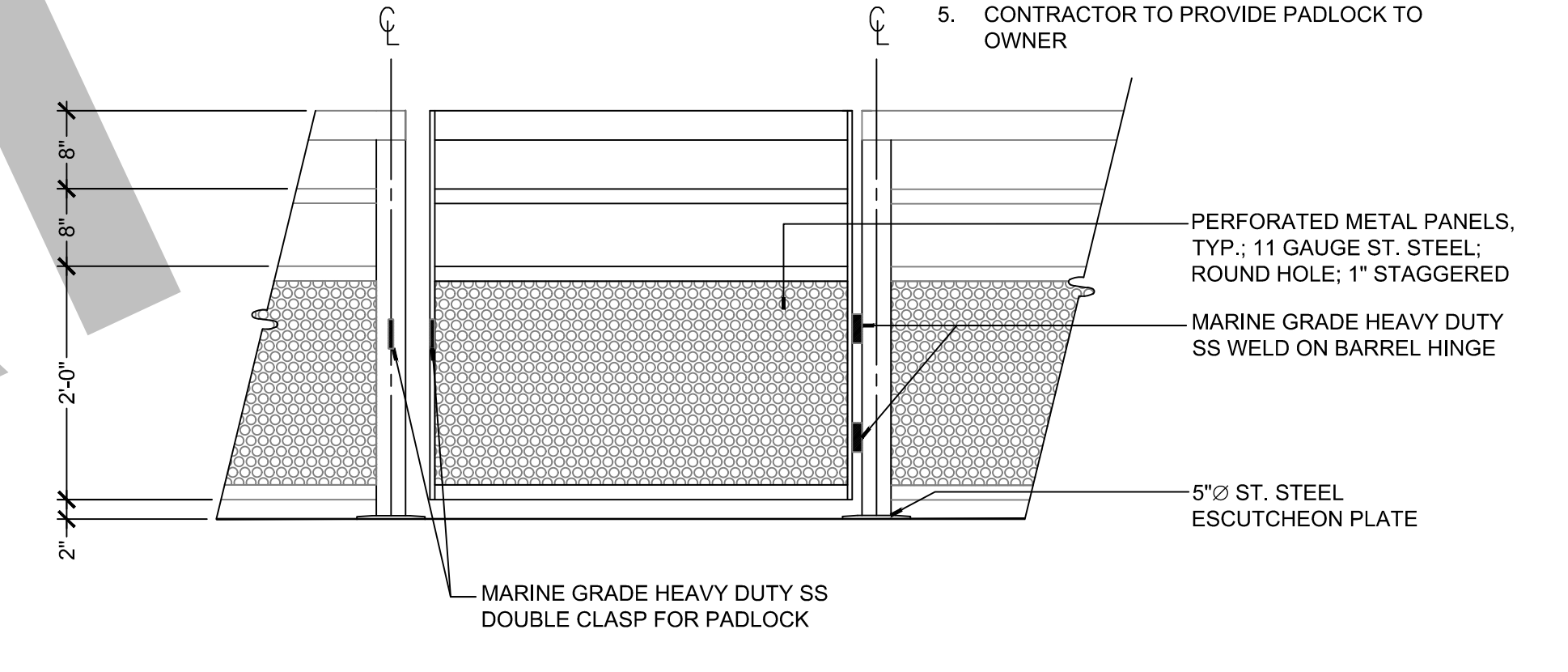
3 RAILING - SECTION
SCALE: 3/4" = 1'-0"

- NOTES:
1. ALL RAILING MEMBERS INCLUDING PLATE AND HARDWARE TO BE 316 STAINLESS STEEL. CLEAN AND DEBUR ALL WELDS.
 2. CONTRACTOR TO PROVIDE LOCKING AND HINGE MECHANISMS FOR REVIEW.
 3. GATE SHALL BE INSTALLED TO OPEN IN DIRECTION INDICATED ON PLANS. CONTRACTOR TO PROVIDE PADLOCK TO OWNER

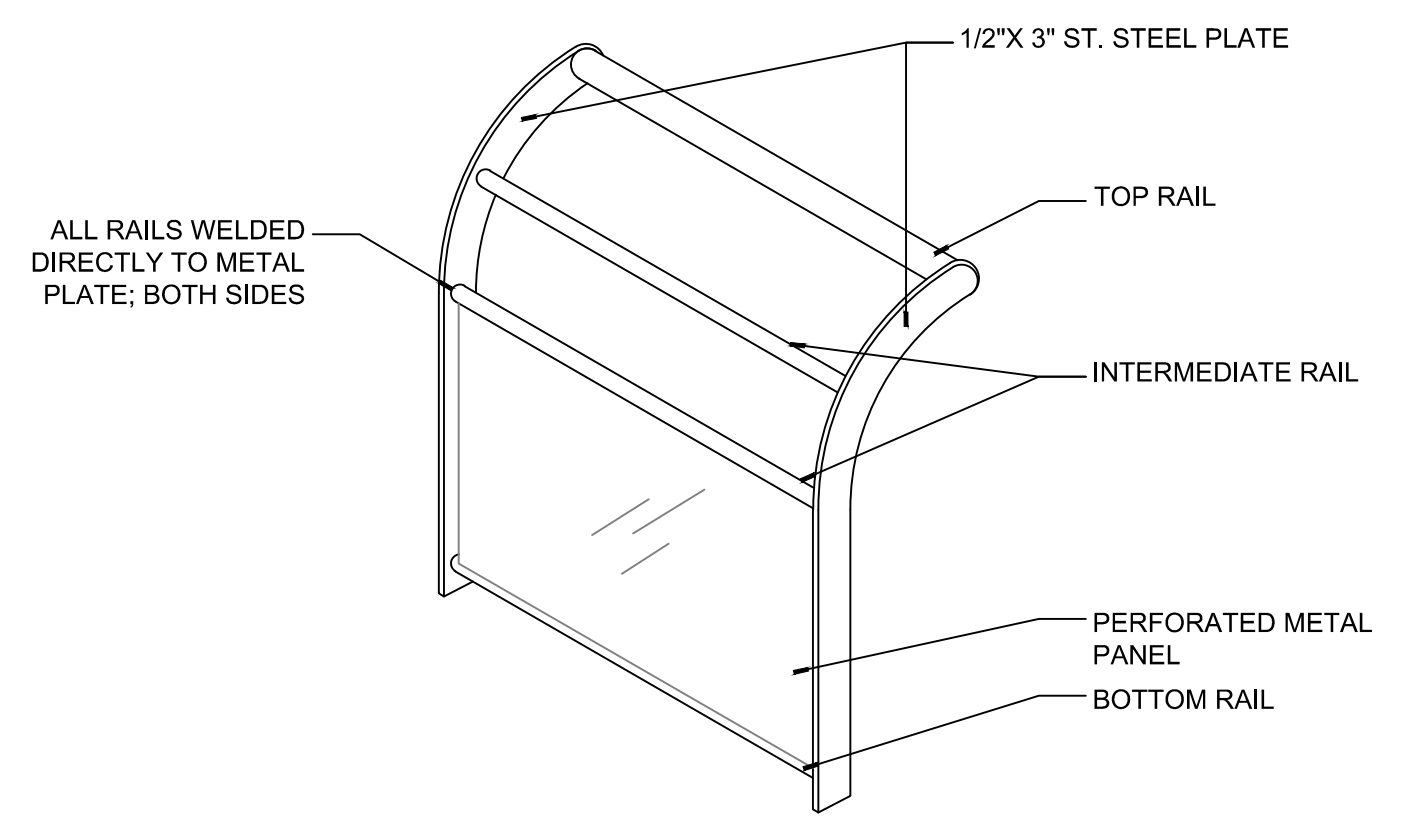


4 GATE AT RAILING - PLAN DETAIL
SCALE: 3/4" = 1'-0"

- NOTES:
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 2. CONTRACTOR TO PROVIDE LOCKING AND HINGE MECHANISMS FOR REVIEW.
 3. GATE SHALL BE INSTALLED TO OPEN IN DIRECTION INDICATED ON PLANS. CONTRACTOR TO PROVIDE PADLOCK TO OWNER



5 GATE AT RAILING - ELEVATION
SCALE: 3/4" = 1'-0"



6 GATE PANEL - ISOMETRIC VIEW
SCALE: 3/4" = 1'-0"

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MIAMI CIRCLE SITE
RENOVATIONS

MIAMI, DADE COUNTY, FLORIDA

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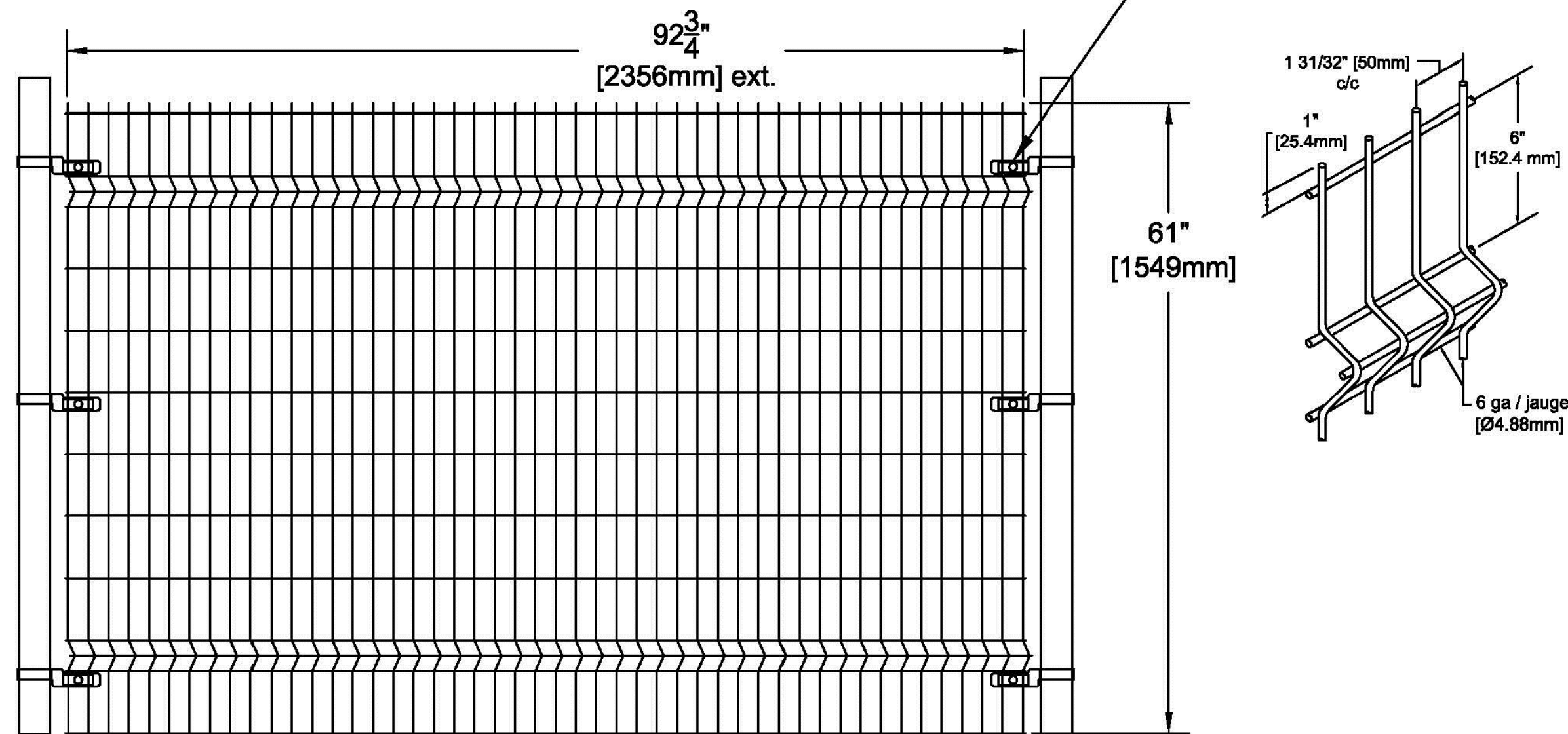
PROJECT NUMBER
527118100

DRAWING NUMBER
L-206

DRAWING NAME
HARDSCAPE
DETAILS

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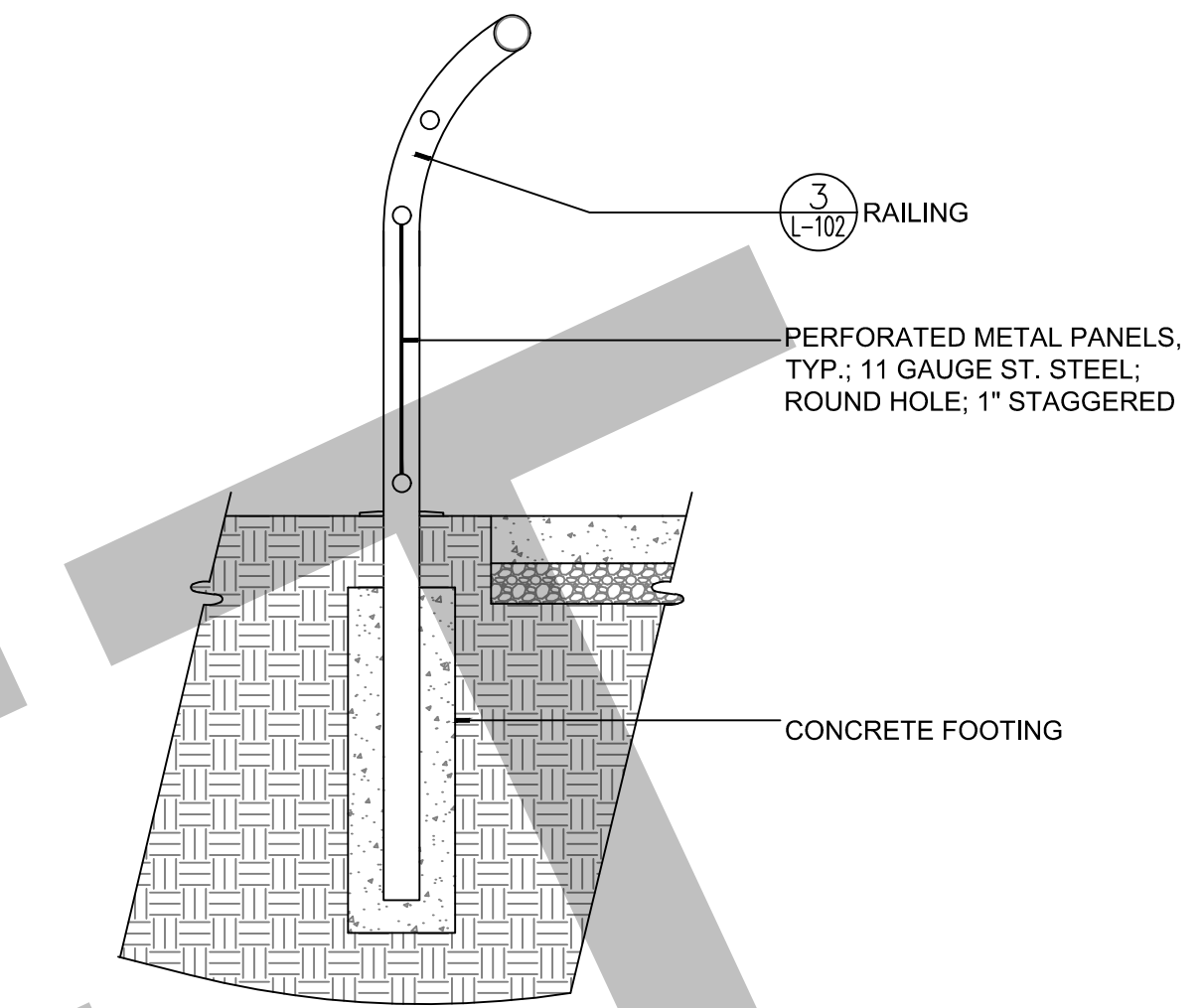
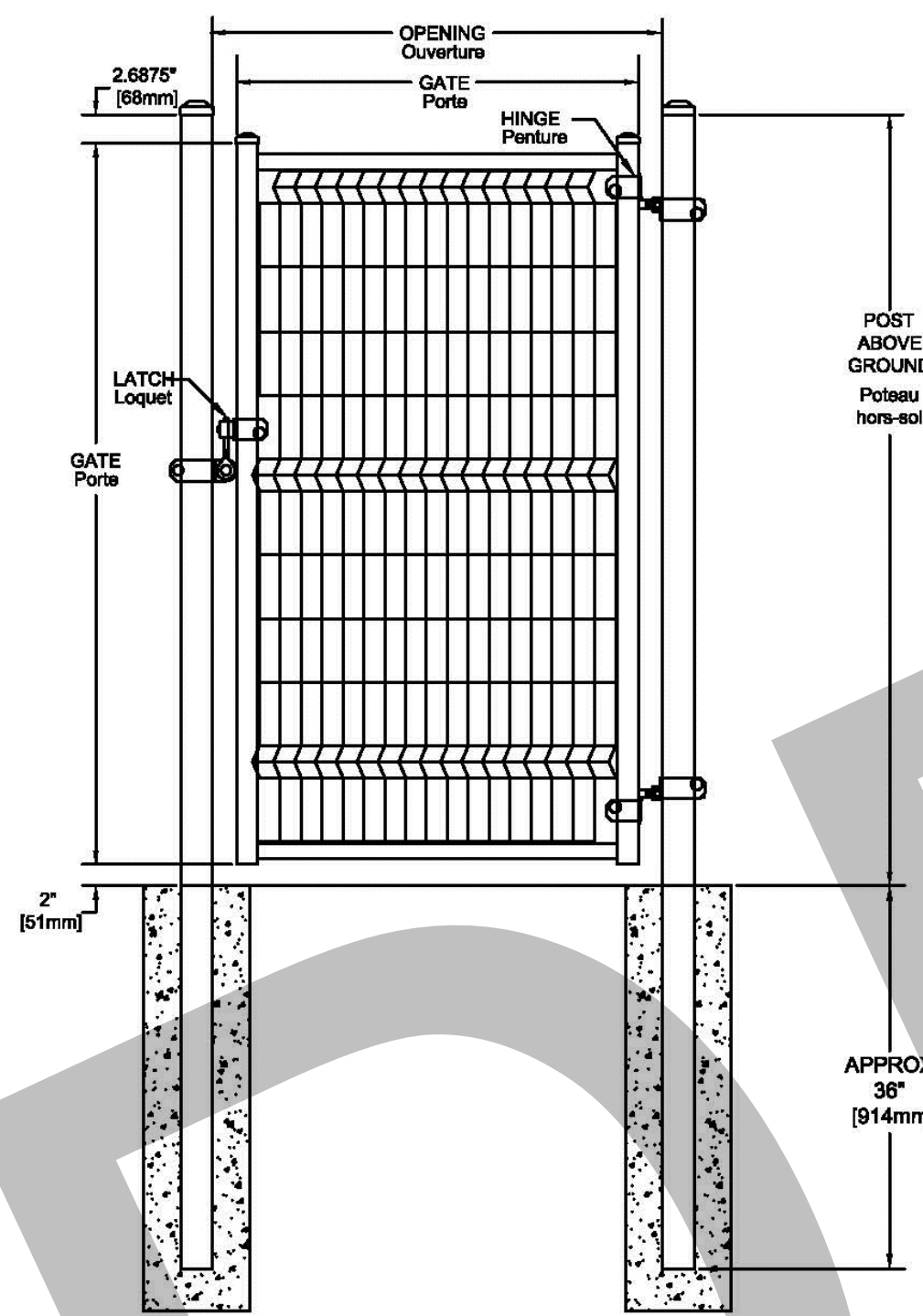
Panel / Panneau 5' (35 lbs/15.9 kg)



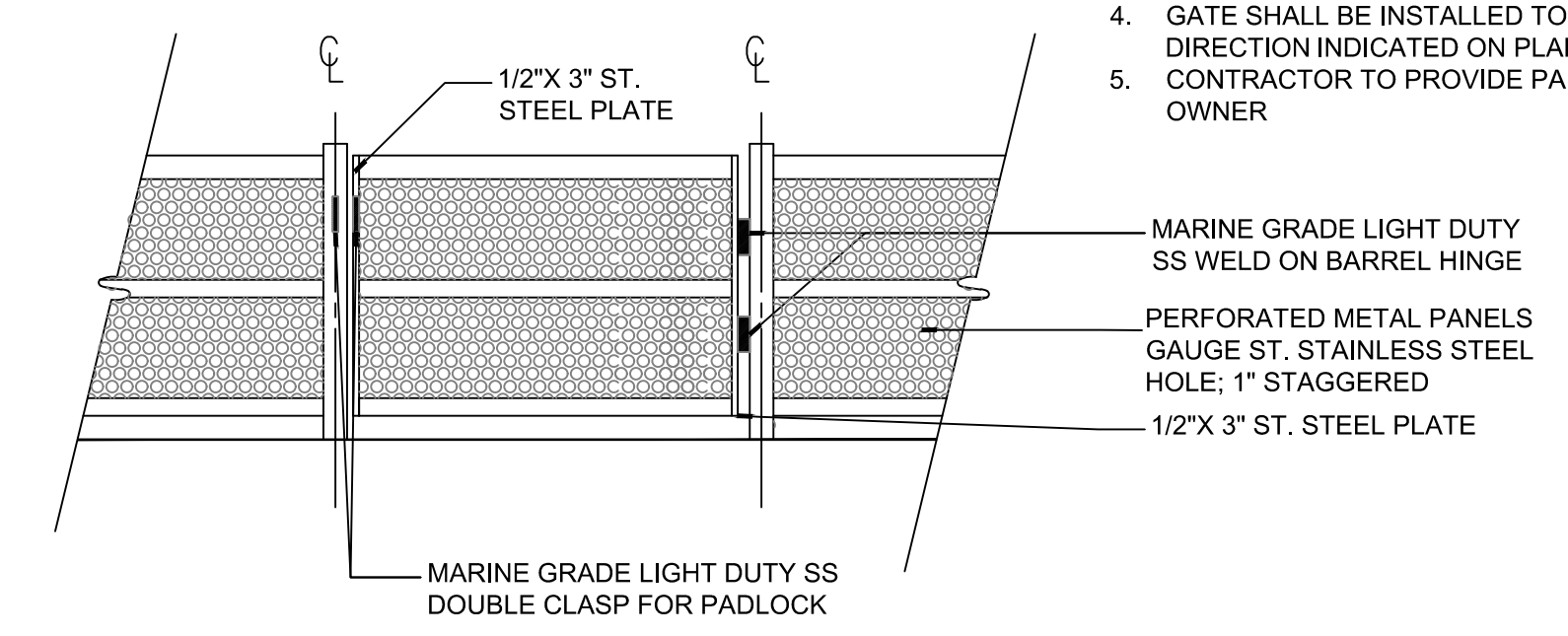
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GATE POST DIMENSIONS		
PANEL (H)	OPENING	POST
4', 5' & 6'	3' to 8'	3" x 3" 11 ga
8'	3' to 7'	3" x 3" 11 ga
4'	9' to 16'	4" x 4" 11 ga
5'	9' to 13'	4" x 4" 11 ga
6'	9' to 12'	4" x 4" 11 ga
8'	8' & 9'	4" x 4" 11 ga
5'	14' to 16'	6" x 6" 3/16"
6'	13' to 30'	6" x 6" 3/16"
8'	10' to 26'	6" x 6" 3/16"

Grandeur des poteaux de porte		
Panneau (H)	Ouverture	Poteau
4', 5' & 6'	3' à 8'	3" x 3" 11 ga
8'	3' à 7'	3" x 3" 11 ga
4'	9' à 16'	4" x 4" 11 ga
5'	9' à 13'	4" x 4" 11 ga
6'	9' à 12'	4" x 4" 11 ga
8'	8' & 9'	4" x 4" 11 ga
5'	14' à 16'	6" x 6" 3/16"
6'	13' à 30'	6" x 6" 3/16"
8'	10' à 26'	6" x 6" 3/16"

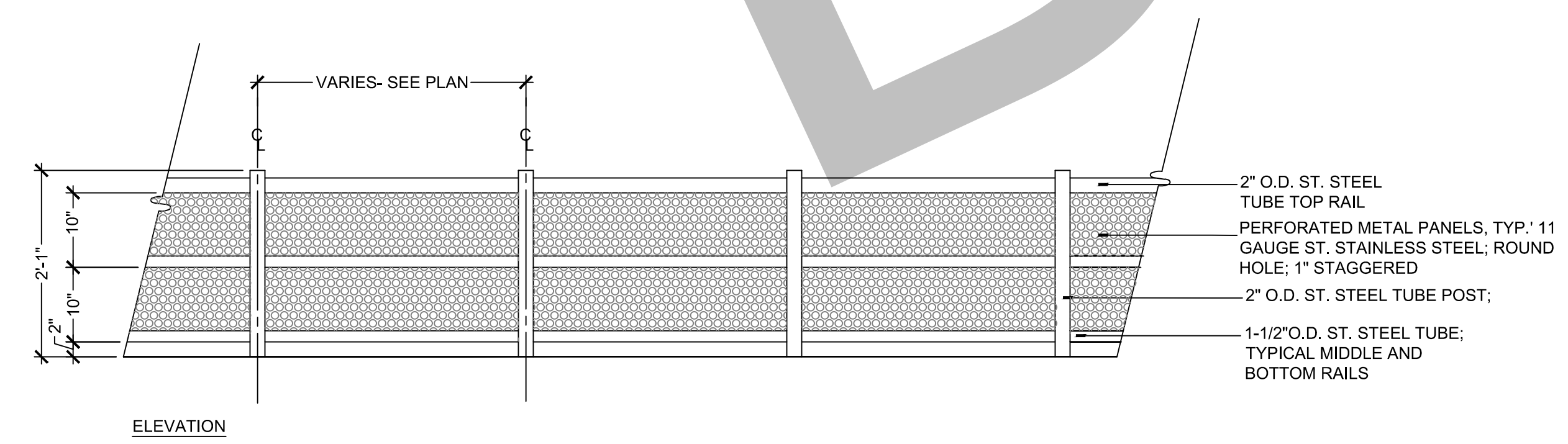


2 DECORATIVE RAILING - SECTION
SCALE: 3/4" = 1'-0"

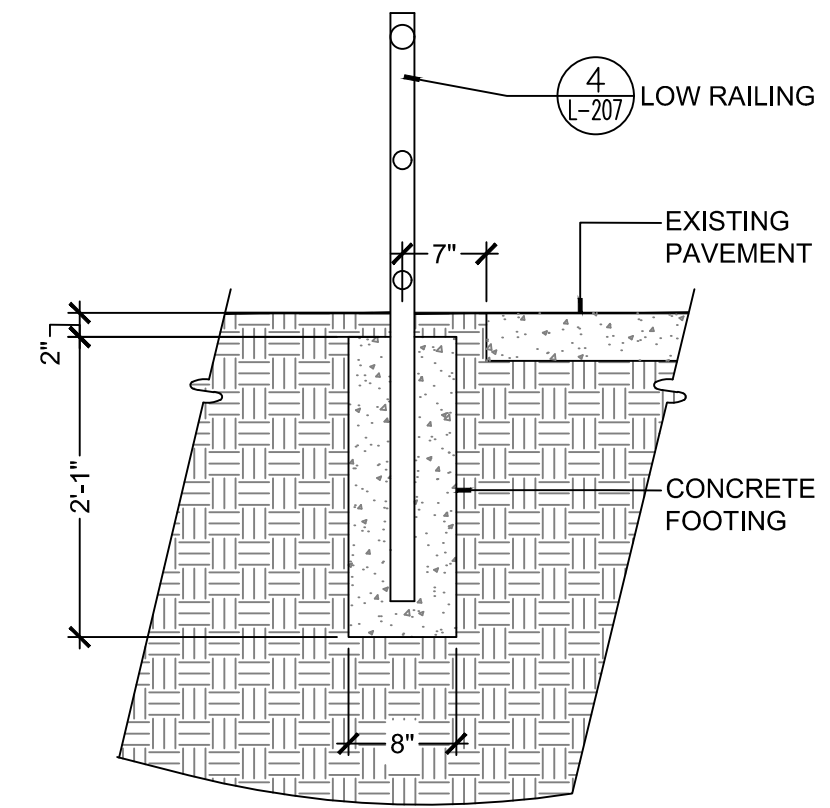


3 LOW RAILING GATE - ELEVATION
SCALE: 3/4" = 1'-0"

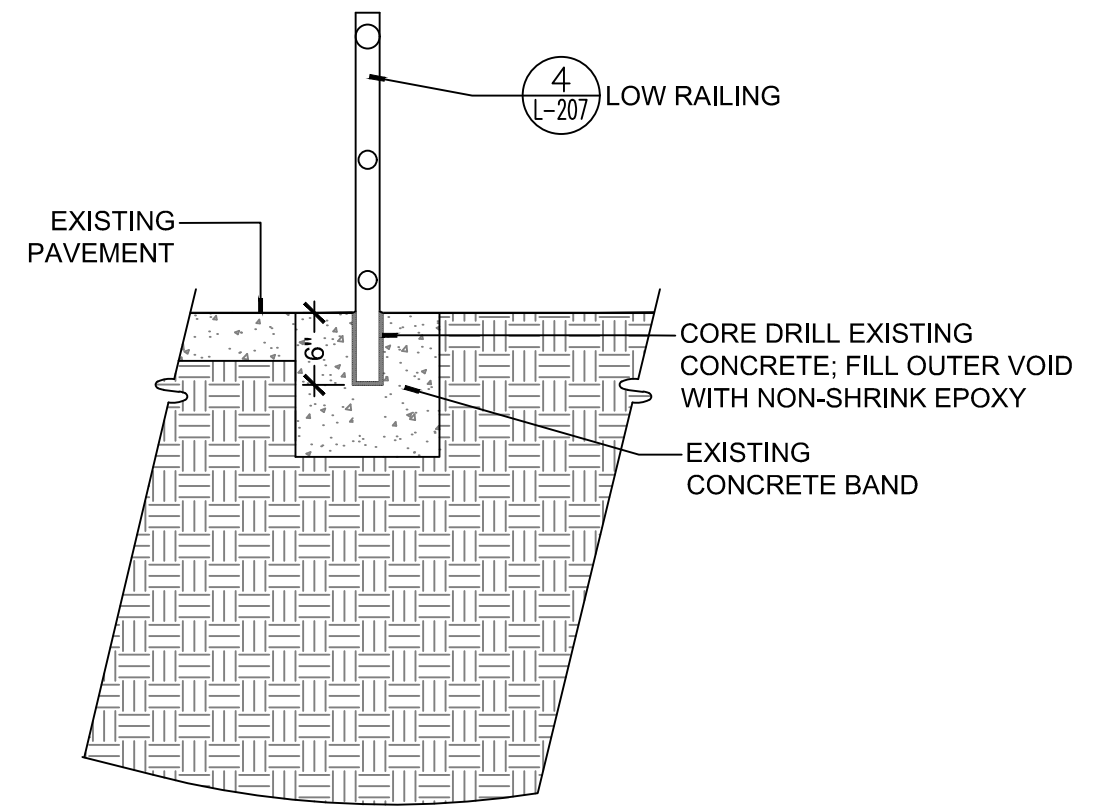
1 FENCE AND GATE
SCALE: N/A



4 LOW RAILING - ELEVATION
SCALE: 3/4" = 1'-0"



5 LOW RAILING IN GROUND
SCALE: 3/4" = 1'-0"



6 LOW RAILING IN CONCRETE
SCALE: 3/4" = 1'-0"



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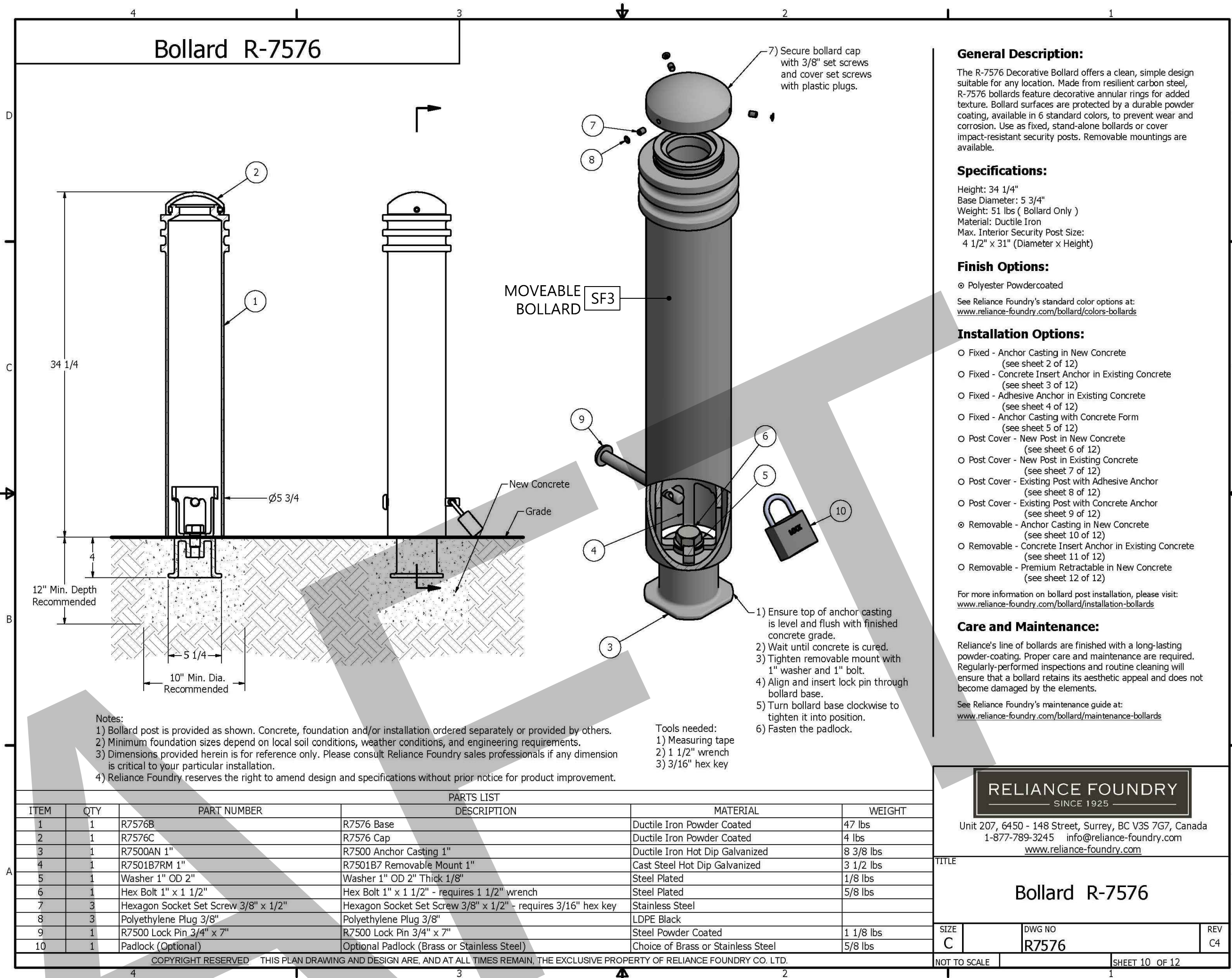
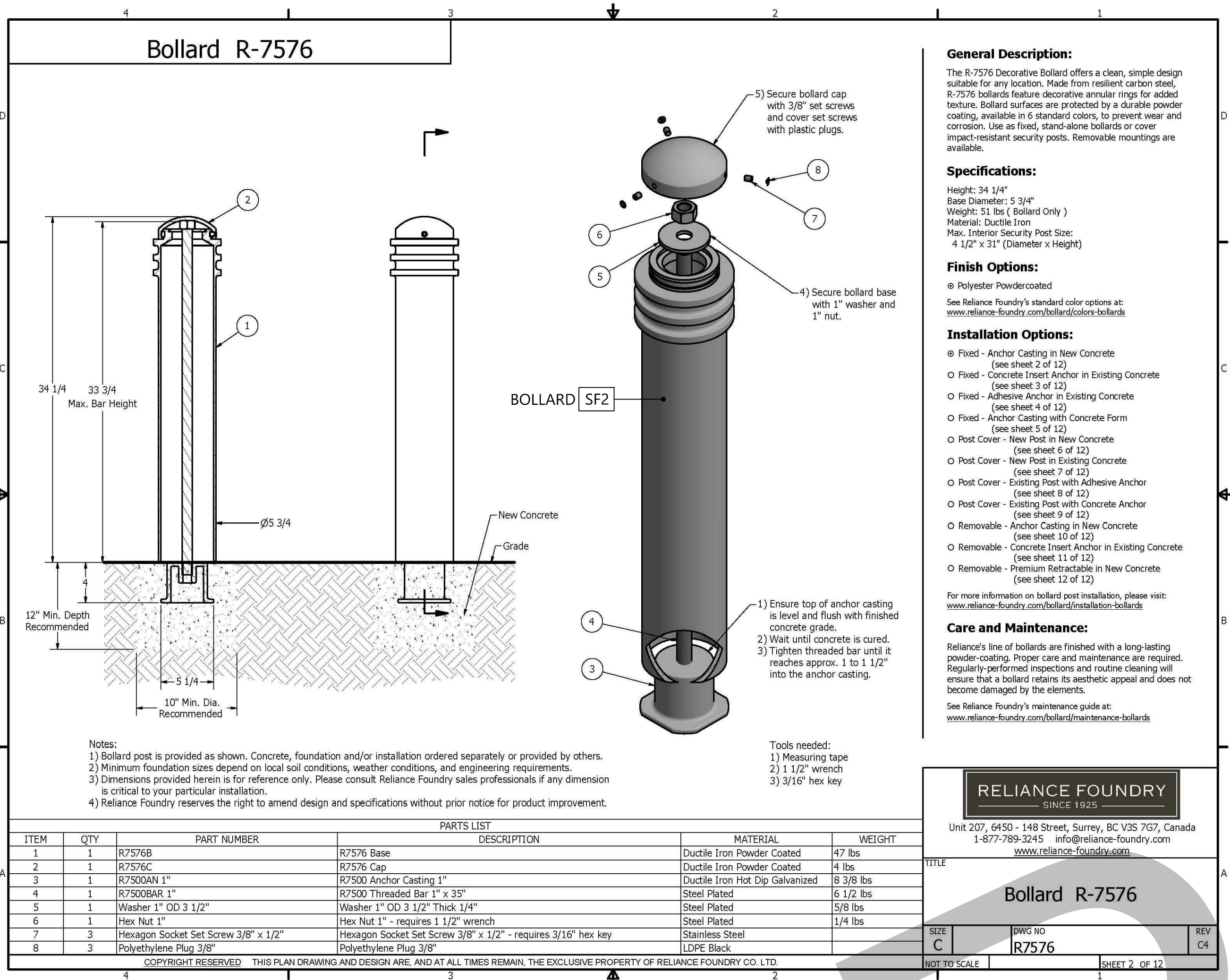
Florida Firm Registration No. 6712

MIAMI CIRCLE SITE
RENOVATIONS
MIAMI, DADE COUNTY, FLORIDA

NO.	DATE	DESCRIPTION	BY	CHK	APV
09/28/18		100% CD REVIEW SET	BW	BH	JH
09/14/18		50% CD	BW	BH	JH

PROJECT NUMBER
527118100
DRAWING NUMBER
L-207
DRAWING NAME
HARDSCAPE
DETAILS

T:\Projects\2018\201805271-18-100_Miami Cir Site Renovations\CAD\Construction\527118100_L-300_Railing Details.dwg - L-207 Sep 28, 2018 swong



1 BOLLARD
L-208 SCALE: N/A

2 MOVABLE BOLLARD
L-208 SCALE: N/A

3 EXPANSION JOINT
L-208 SCALE: N/A

4 CONTROL JOINT
L-208 SCALE: N/A

NOTE:
NO EXCAVATION SHALL OCCUR ON SITE WITHOUT THE KNOWLEDGE, APPROVAL, AND OBSERVATION OF THE ASSIGNED ARCHEOLOGIST.



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MIAMI CIRCLE SITE
RENOVATIONS

MIAMI, DADE COUNTY, FLORIDA

NO.	DATE	DESCRIPTION	BY	CHK	APV
	09/28/18	100% CD REVIEW SET	BW	BH	JH
	09/14/18	50% CD	BW	BH	JH

PROJECT NUMBER
527118100

DRAWING NUMBER
L-208

DRAWING NAME
HARDSCAPE
DETAILS

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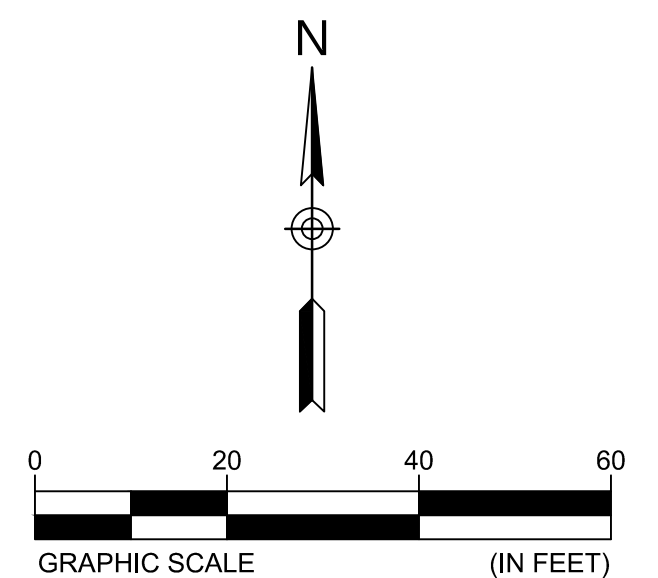
PLANT SCHEDULE

SHRUB AREAS	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING
	CH	425	Chrysobalanus icaco 'Horizontalis'	Horizontal Cocoplum	3 GAL	30" X 30" SPRD	24" o.c.
	SE	56	Sabal etonia	Scrub Palmetto	3 gal.	14"-16" HT. 14"-16" SPRD	24" o.c.
	SR	752	Serenoa repens	Saw Palmetto	3 gal.	12"-14"X12"-14"	24" o.c.
	YF	44	Yucca filamentosa	Adam's Needle	3 GAL	2'-3' HT. FULL IN POT	24" o.c.
	ZP	189	Zamia pumila	Coontie	3 GAL.	18"-24" OA	24" o.c.
SOD/SEED	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING
	SS	42,908 sf	Stenotaphrum secundatum	St. Augustine Grass	---	sod	

NOTE: ALL LANDSCAPE AREAS TO BE MULCHED WITH 3" DEEP EUCALYPTUS MULCH

- NOTE**
- CONTRACTOR TO PROVIDE A MINIMUM 6" DEPTH OF PLANTING SOIL IN ALL NEW PLANTINGS AREAS
 - CONTRACTOR TO PROVIDE LANDSCAPE ARCHITECT WITH PLANTING SOIL SAMPLE PRIOR TO INSTALLATION.
 - CONTRACTOR TO SUPPLEMENT EXISTING PLANTING TO INFILL VOIDS IN PLANTING.

NOTE:
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MIAMI CIRCLE SITE RENOVATIONS

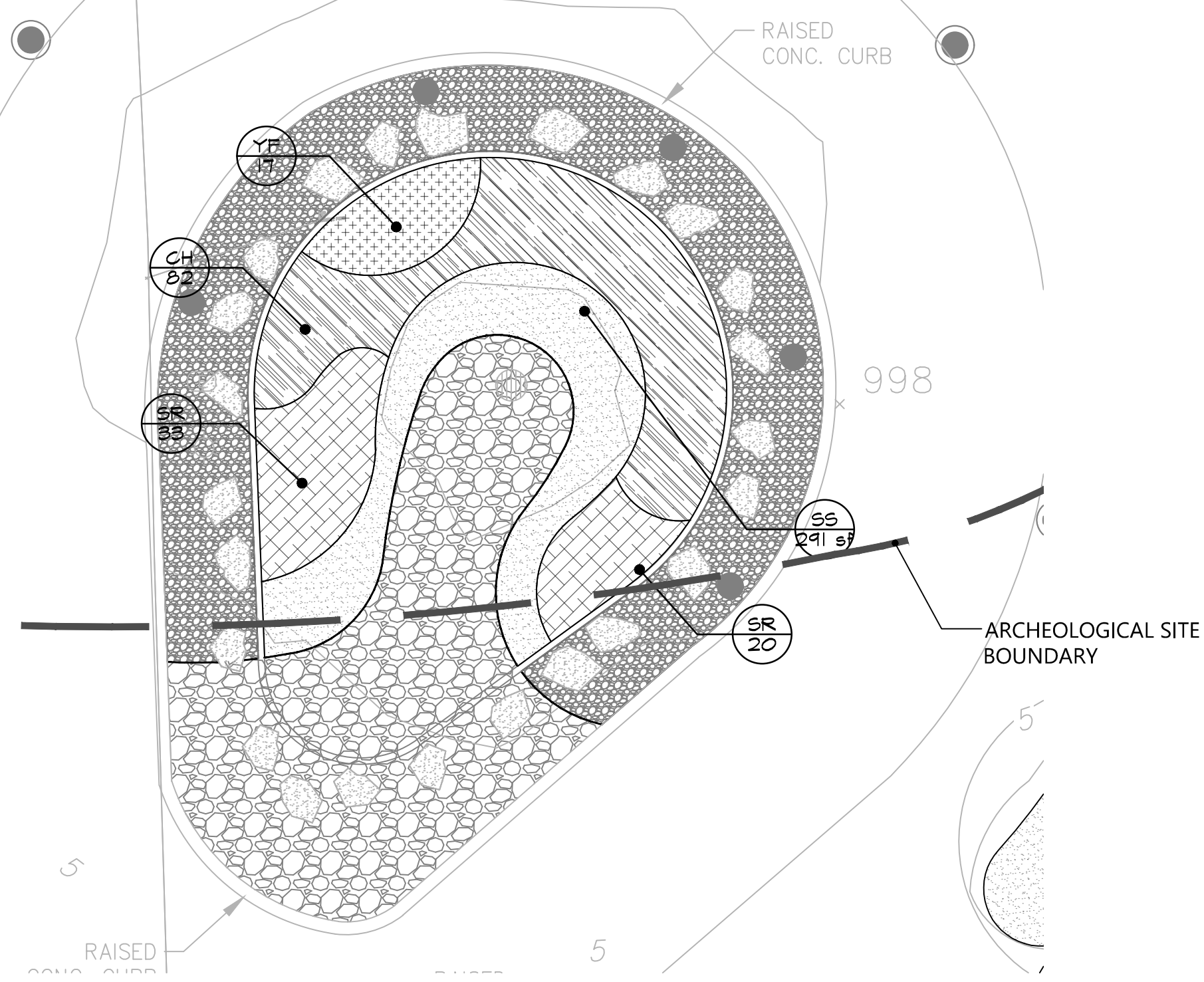
MIAMI, DADE COUNTY, FLORIDA

NO.	DATE	DESCRIPTION	BY	CHK	APV
	09/28/18	100% CD REVIEW SET	BW	BH	JH
	09/14/18	50% CD	BW	BH	JH

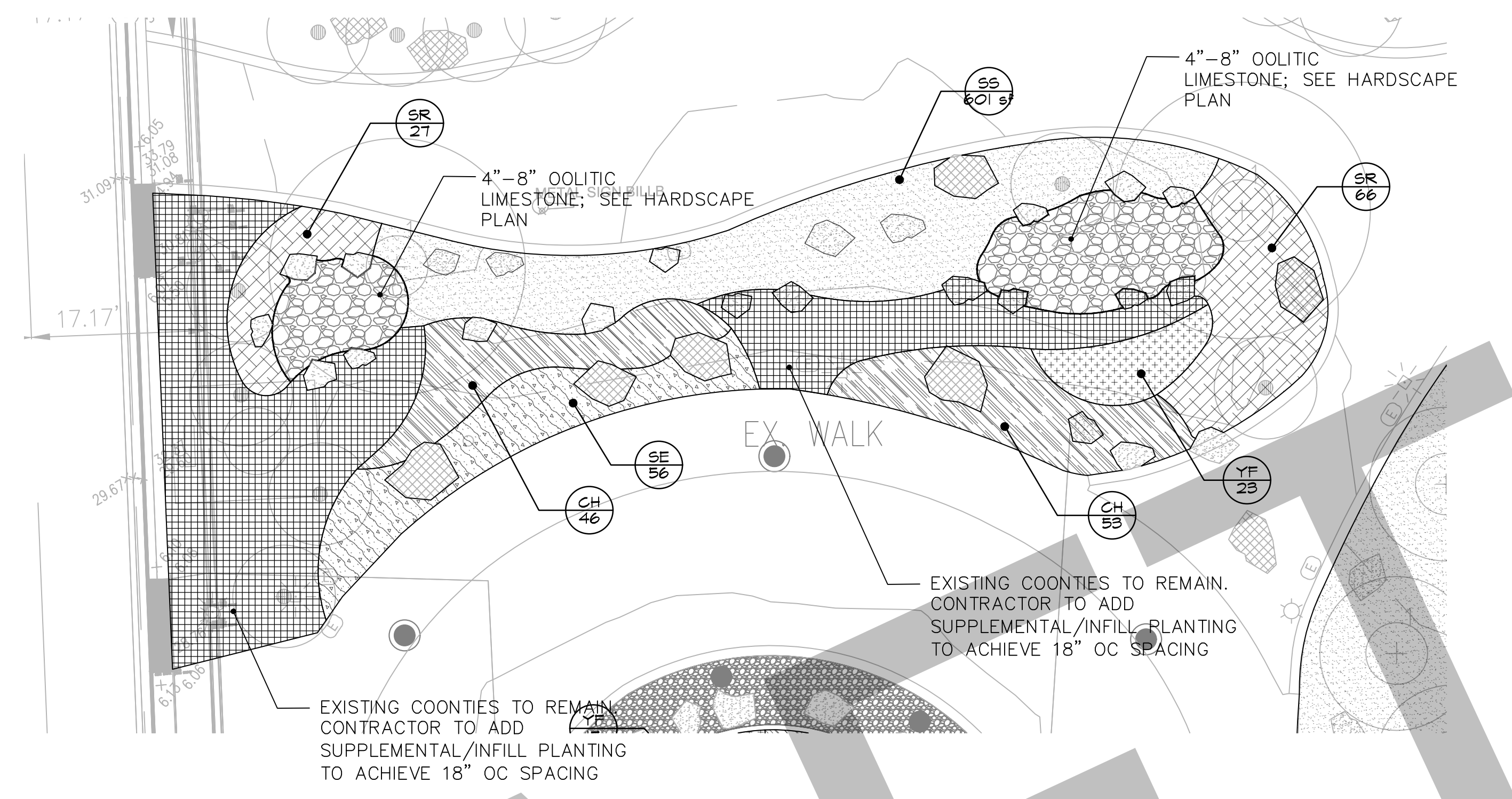
PROJECT NUMBER
527118100

DRAWING NUMBER
L-300

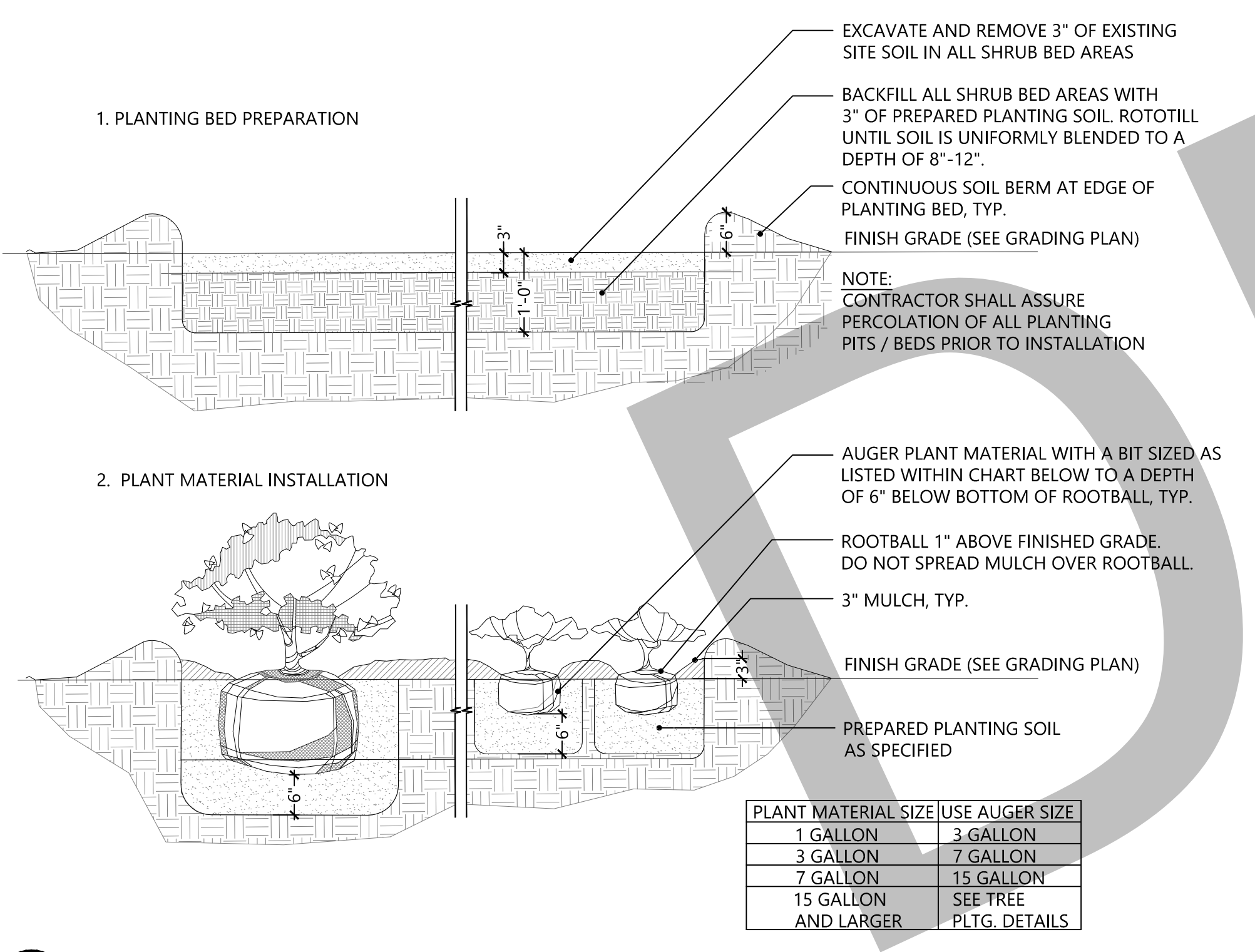
DRAWING NAME
LANDSCAPE PLAN



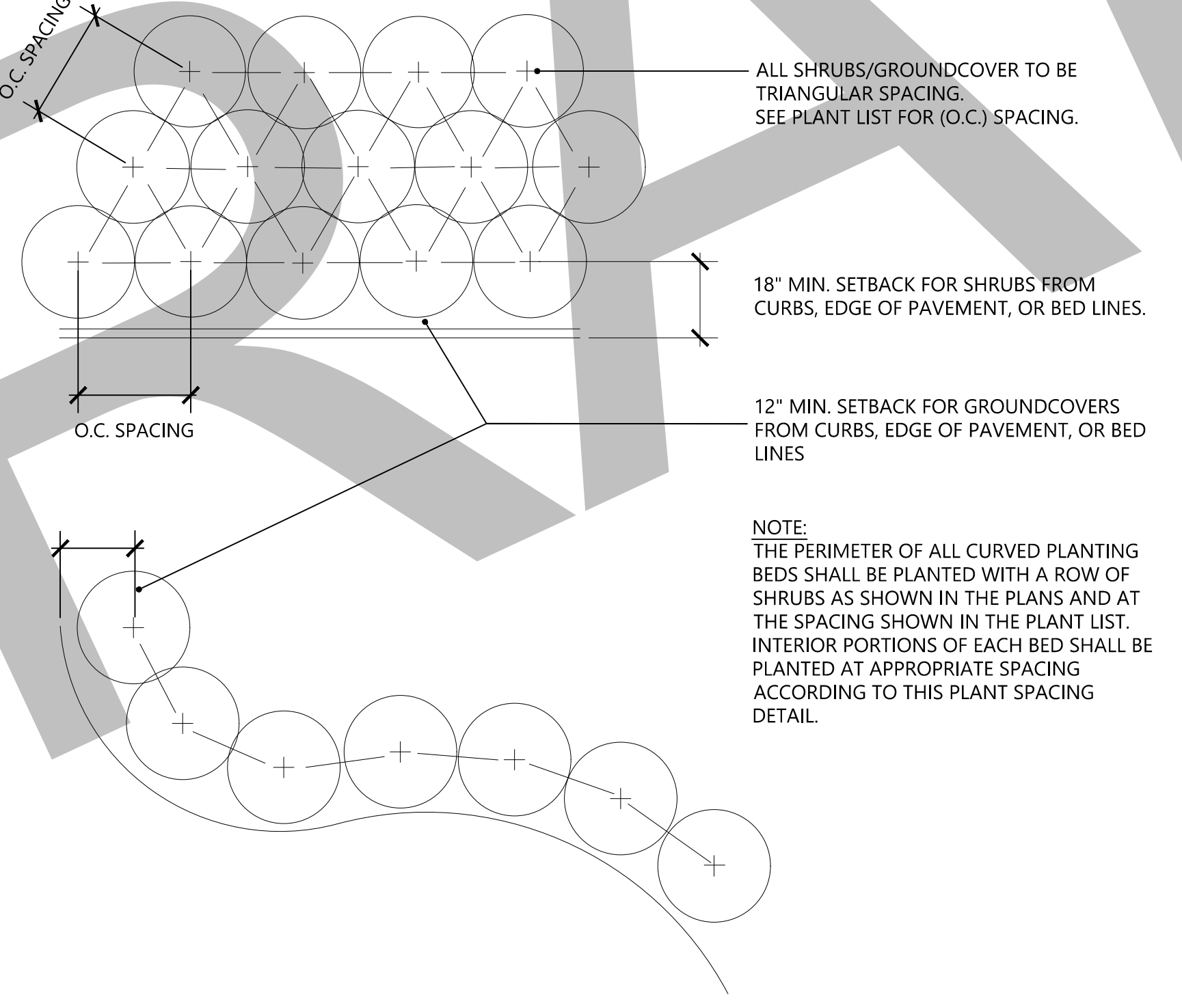
1 LIFT STATION LANDSCAPE AREA
SCALE: 1" = 10' - 0"



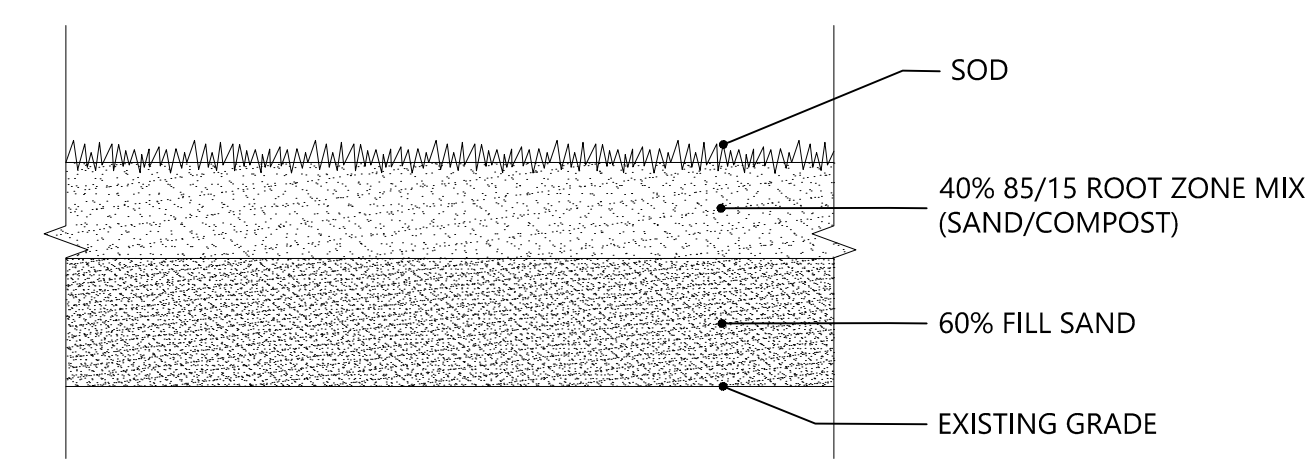
2 CUL-DE-SAC
SCALE: 1" = 10' - 0"



3 SHRUB AND GROUNDCOVER DETAIL
SCALE: N.T.S.



4 SHRUB AND GROUNDCOVER SPACING DETAIL
SCALE: N.T.S.



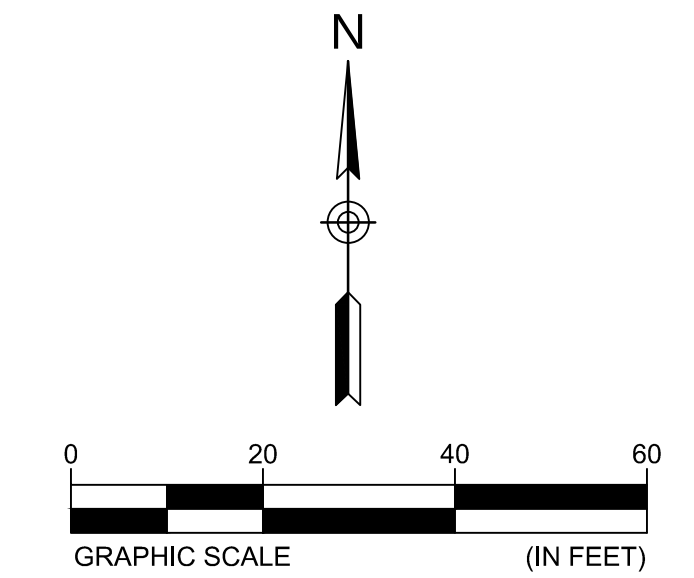
NOTE:

- CONTRACTOR TO ROTOTILL EXISTING TURF AREAS (FREE OF TURF AND WEED GROWTH) TO A DEPTH OF 4" PRIOR TO ADJUSTING SITE GRADING TO PROPOSED CONDITIONS WITH FILL SOIL AMENDMENT AS DETAILED ABOVE.
- WHEN TRANSITIONING FILL SOIL AMENDMENT TO EXISTING GRADE, THE CONTRACTOR SHALL MAINTAIN A MINIMUM OF A 4" DEPTH OF ROOTZONE MIX THROUGHOUT THE TRANSITION.
- FILL SAND (SOIL CLASSIFICATION "SP") SHALL CONSIST OF SOIL PARTICLES IN SIZE PASSING THE #4 SCREEN BUT RETAINED ON THE 200 SCREEN (0.75MM) AND CONTAINING 5% OR LESS OF FINES. FINES ARE DESCRIBED AS SOIL PARTICLES PASSING THE 200 MESH SCREEN.
- ROOTZONE MIX: SHALL BE 85% USGA SAND BLENDED WITH 15% HIGH QUALITY COMPOST. FINAL MIX TO MEET USGA SPECIFICATIONS FOR BOTH PHYSICAL AND PARTICLE SIZE ANALYSIS
- ONCE THE FILL SOIL AMENDMENTS ARE IN PLACE, HAS TO BE TESTED FOR SOIL NUTRIENT VALUES (INCLUDING MINOR ELEMENTS) AND RECOMMENDATIONS FOR MEETING ANY NUTRIENT DEFICIENCIES AND THAT THE CONTRACTOR WOULD BE RESPONSIBLE FOR APPLYING THESE MATERIALS IMMEDIATELY AFTER THE SOD HAS BEEN INSTALLED.

5 FILL SOIL AMENDMENT
SCALE: N.T.S.

NOTE:
ALL LANDSCAPE AREAS TO BE MULCHED W/ 3" DEEP EUCALYPTUS MULCH.

NOTE:
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MIAMI CIRCLE SITE RENOVATIONS
MIAMI, DADE COUNTY, FLORIDA

NO.	DATE	DESCRIPTION	BY	CHK	APV
09/28/18		100% CD REVIEW SET	BW	BH	JH
09/14/18		50% CD	BW	BH	JH

PROJECT NUMBER
527118100

DRAWING NUMBER
L-301

DRAWING NAME
LANDSCAPE ENLARGEMENT PLANS AND DETAILS

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MIAMI CIRCLE SITE
RENOVATIONS
MIAMI, DADE COUNTY, FLORIDA

INSTALL +/- 1080 LF. OF GEOFLOW #TUBING IN THE SPARTINA BED AROUND THE CIRCLE. INSTALL ONE LINE AT A DISTANCE OF TWO TO FOUR INCHES FROM EACH EDGE OF THE BED AND FIVE ROWS EQUALLY SPACED NO MORE THAN TWELVE INCHES APART. INSTALL THIS TUBING AT GRADE BELOW THE MULCH AND SECURE IT TO THE SOIL WITH SOIL STAPLES AS NECESSARY. LOOP THESE TUBES TO EACH OTHER AT THE OPPOSITE SIDE OF THE CIRCLE FROM THE CONNECTION TO THE FEEDER PIPE. INSTALL AN AIR/VACUUM RELIEF VALVE AT THEIR FAR END OF THE LOOPS. SEE DRIP TUBING NOTES FOR FURTHER INFORMATION

INSTALL 3/4" PIPING FROM THE PIPING SHOWN FROM VALVE #C1-B, COMMON, TO ALL TREE SPRAYS (110 EA.) THAT ARE NOT TO BE CONNECTED TO VALVE #1-A. DO NOT CONNECT TO ANY OTHER PIPING.

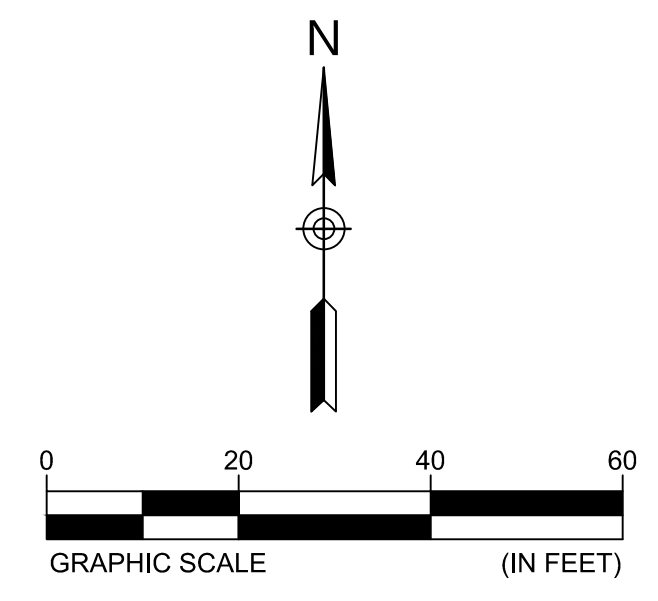
INSTALL A GEOFLOW #AP4E-1.5F FILTER W/ MANUAL FLUSH VALVE AND FITTINGS AND #PMR204HF PR. REG. DOWNSTREAM OF VALVE #C-7 IN A SEPARATE VALVE BOX.

INSTALL 3/4" PIPING FROM VALVE #C1-A STUBOUT, COMMON, TO ALL TREE SPRAYS WITHIN THE LIMITS OF THIS LINE. (84 EA.) DO NOT CONNECT TO ANY OTHER PIPING.

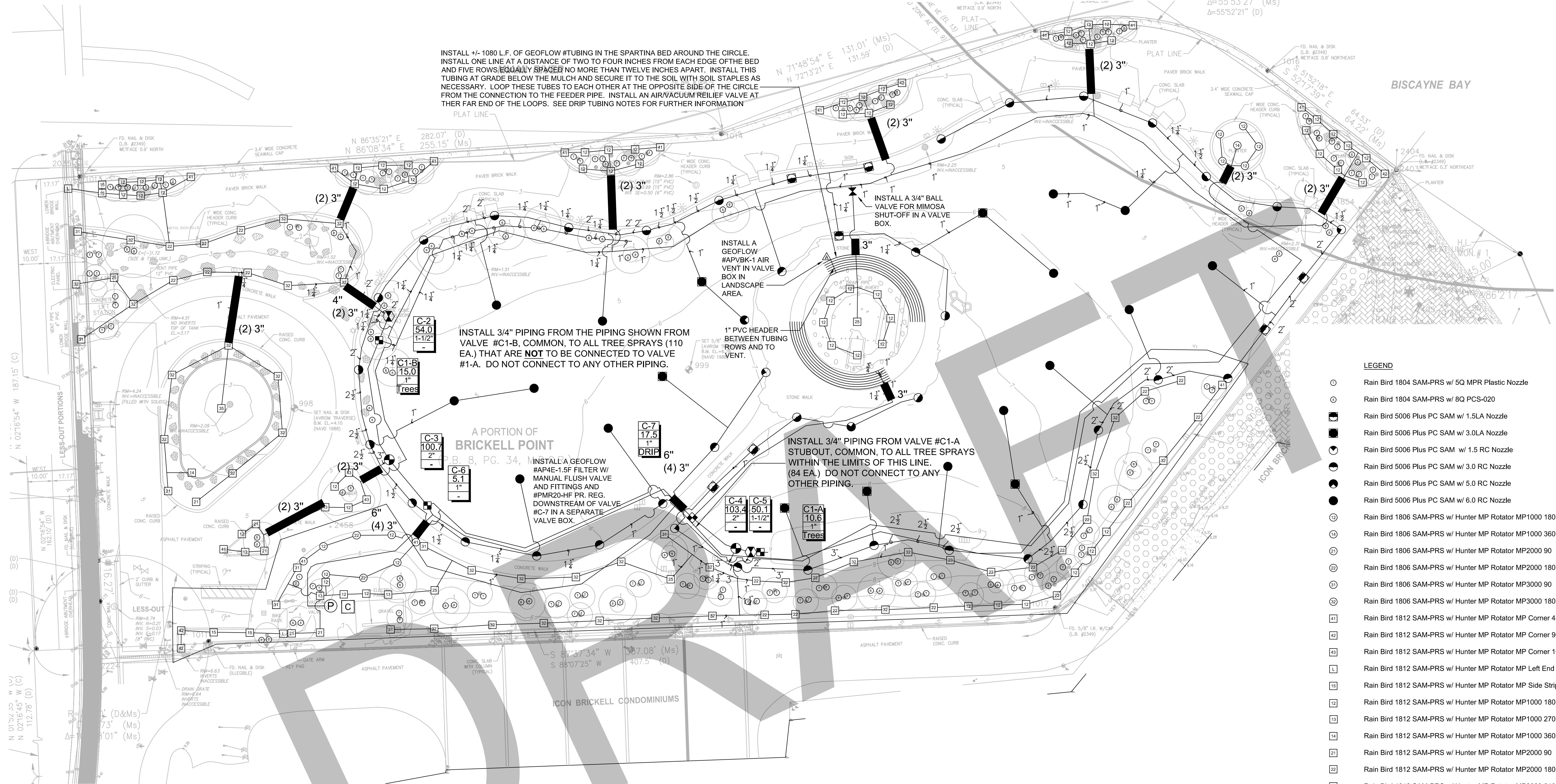
LEGEND

- Rain Bird 1804 SAM-PRS w/ 5Q MPR Plastic Nozzle
- Rain Bird 1804 SAM-PRS w/ 8Q PCS-020
- Rain Bird 5006 Plus PC SAM w/ 1.5LA Nozzle
- Rain Bird 5006 Plus PC SAM w/ 3.0LA Nozzle
- Rain Bird 5006 Plus PC SAM w/ 1.5 RC Nozzle
- Rain Bird 5006 Plus PC SAM w/ 3.0 RC Nozzle
- Rain Bird 5006 Plus PC SAM w/ 5.0 RC Nozzle
- Rain Bird 5006 Plus PC SAM w/ 6.0 RC Nozzle
- Rain Bird 1806 SAM-PRS w/ Hunter MP Rotator MP1000 180
- Rain Bird 1806 SAM-PRS w/ Hunter MP Rotator MP1000 360
- Rain Bird 1806 SAM-PRS w/ Hunter MP Rotator MP2000 90
- Rain Bird 1806 SAM-PRS w/ Hunter MP Rotator MP2000 180
- Rain Bird 1806 SAM-PRS w/ Hunter MP Rotator MP3000 90
- Rain Bird 1806 SAM-PRS w/ Hunter MP Rotator MP3000 180
- Rain Bird 1812 SAM-PRS w/ Hunter MP Rotator MP Corner 45
- Rain Bird 1812 SAM-PRS w/ Hunter MP Rotator MP Corner 90
- Rain Bird 1812 SAM-PRS w/ Hunter MP Rotator MP Corner 105
- Rain Bird 1812 SAM-PRS w/ Hunter MP Rotator MP Left End Strip
- Rain Bird 1812 SAM-PRS w/ Hunter MP Rotator MP Side Strip
- Rain Bird 1812 SAM-PRS w/ Hunter MP Rotator MP1000 180
- Rain Bird 1812 SAM-PRS w/ Hunter MP Rotator MP1000 270
- Rain Bird 1812 SAM-PRS w/ Hunter MP Rotator MP1000 360
- Rain Bird 1812 SAM-PRS w/ Hunter MP Rotator MP2000 90
- Rain Bird 1812 SAM-PRS w/ Hunter MP Rotator MP2000 180
- Rain Bird 1812 SAM-PRS w/ Hunter MP Rotator MP2000 210
- Rain Bird 1812 SAM-PRS w/ Hunter MP Rotator MP2000 360
- Rain Bird 1812 SAM-PRS w/ Hunter MP Rotator MP3000 90
- Rain Bird 1812 SAM-PRS w/ Hunter MP Rotator MP3000 180
- Rain Bird 1812 SAM-PRS w/ Hunter MP Rotator MP3000 210
- Rain Bird 1812 SAM-PRS w/ Hunter MP Rotator MP3000 360
- Rain Bird 100-PGA Globe 1" Valve
- Rain Bird 150-PGA 1-1/2" Valve
- Rain Bird 200-PGA 2" Valve
- Point-of-Connection - 112 GPM @ 50 PSI
- Rain Bird ESP-MC8 Controller w/ PED-DD16 Pedestal & Wireless Mini-Clik Rain Switch
- 3" Schedule 40 PVC Main Line Routing
- Schedule 40 PVC Zone Pipe Routing
- Schedule 40 PVC Sleeve Location
- C-# / #. # / 1-1/2" Valve Programming Nominal Gallonage & Size
- Limit Line of Tree Zone C-1A
- Geoflow In-Pipe 1 GPH, 12" Spacing Emitter Tubing
- △ Geoflow APVBK-1 Air Vent in Valve Box
- ✕ 3/4" Ball Valve in Valve Box for Mimosa Shut-off

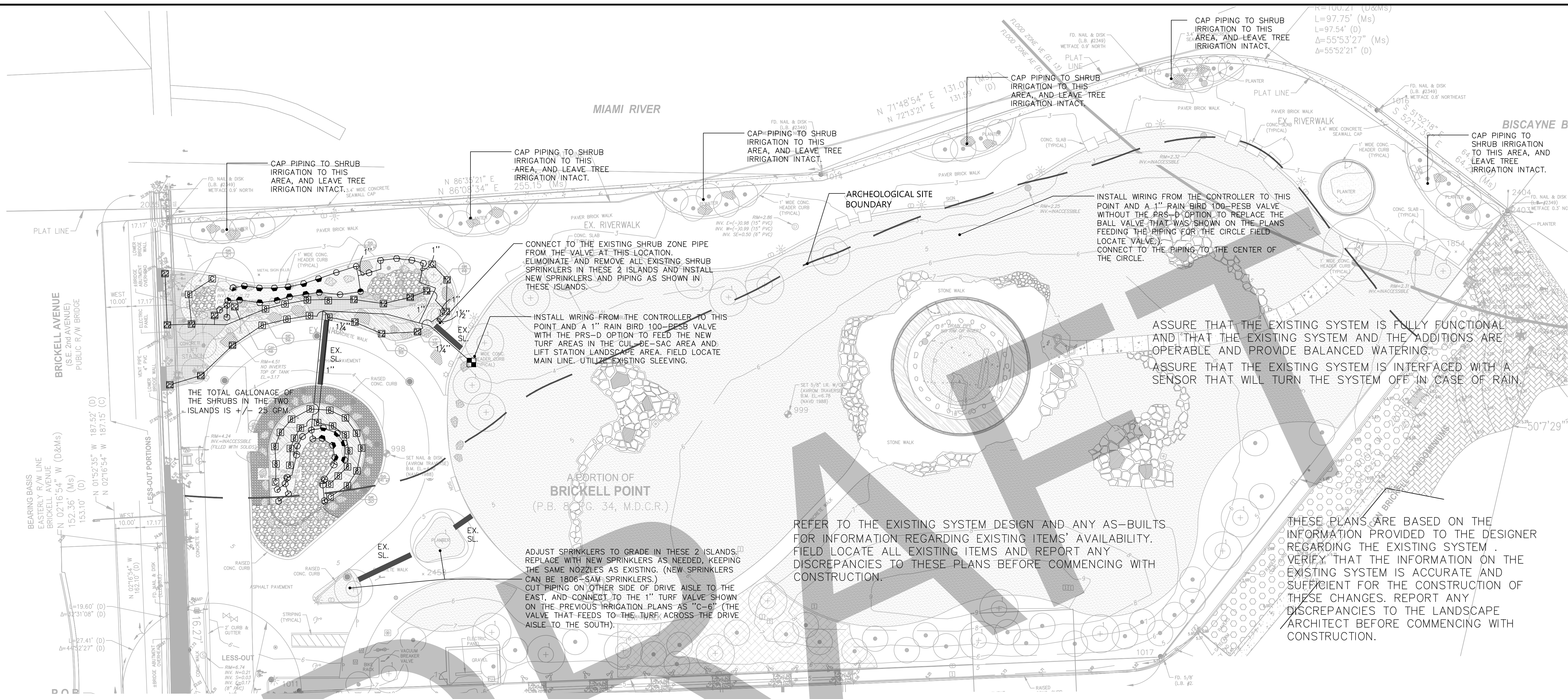
NOTE:
NO EXCAVATION SHALL OCCUR ON SITE WITHOUT THE KNOWLEDGE, APPROVAL, AND OBSERVATION OF THE ASSIGNED ARCHEOLOGIST.



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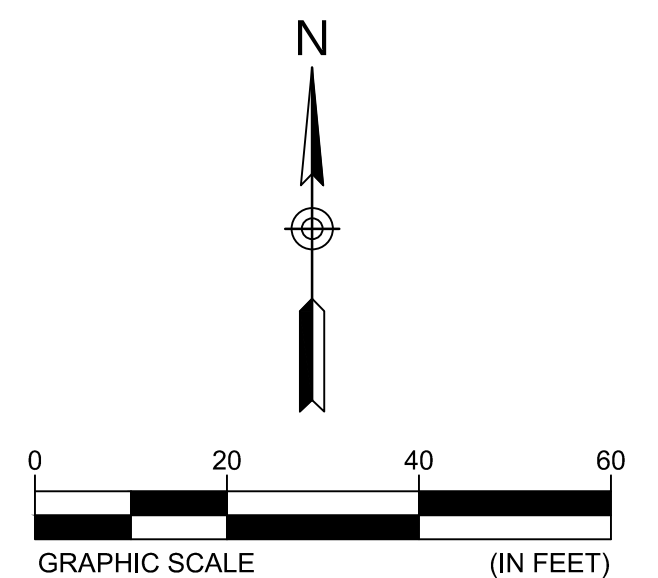
**MIAMI CIRCLE SITE
RENOVATIONS**

MIAMI, DADE COUNTY, FLORIDA

LEGEND

- ZONE PIPE ROUTING
- EXISTING SLEEVE LOCATION
- RAIN BIRD PESB-100 VALVE TO BE INSTALLED
- ⊗ RAIN BIRD 1806-SAM WITH 50 NOZZLE
- ⊙ RAIN BIRD 1806-SAM WITH 5H NOZZLE
- ⊚ RAIN BIRD 1806-SAM WITH 8Q NOZZLE
- RAIN BIRD 1806-SAM WITH 8H NOZZLE
- ⊖ RAIN BIRD 1806-SAM WITH 10H NOZZLE
- ⦿ RAIN BIRD 1806-SAM WITH 12H NOZZLE
- ⊕ RAIN BIRD 1806-SAM WITH LCS NOZZLE
- ⊗ RAIN BIRD 1806-SAM WITH RCS NOZZLE
- ⊠ RAIN BIRD 1806-SAM WITH HUNTER MP800SR-90 NOZZLE
- ⊡ RAIN BIRD 1806-SAM WITH HUNTER MPCORNER NOZZLE
- ⊢ RAIN BIRD 1806-SAM WITH HUNTER MP1000-90 NOZZLE
- ⊣ RAIN BIRD 1806-SAM WITH HUNTER MP2000-90 NOZZLE

NOTE:
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WITHOUT THE KNOWLEDGE, APPROVAL, AND
OBSERVATION OF THE ASSIGNED
ARCHEOLOGIST.



NO.	DATE	DESCRIPTION	BY	CHK	APV
	09/28/18	100% CD REVIEW SET	BW	BH	JH
	09/14/18	50% CD	BW	BH	JH

PROJECT NUMBER
527118100

DRAWING NUMBER
L-401

DRAWING NAME
**REVISED
IRRIGATION PLAN**

INSTALL ALL PIPING SHOWN BETWEEN DIFFERENT PIPE SIZES AS THE LARGER SIZED PIPE.

INSTALL ALL PIPING TO INDIVIDUAL HEADS AS 3/4"

INSTALL PIPING BETWEEN THE LAST MARKED PIPE AND PIPING TO INDIVIDUAL HEADS (WHERE NO OTHER MARKINGS SHOW) AS 3/4" PIPE.

ANY IRRIGATION ITEMS NORMALLY INSTALLED IN LANDSCAPE AREAS THAT ARE SHOWN OUTSIDE OF LANDSCAPE AREAS OR OUTSIDE OF THE PROPERTY LINES ARE SHOWN AS SUCH FOR GRAPHIC CLARITY ONLY. INSTALL THESE ITEMS INSIDE OF PROPERTY LINES AND IN LANDSCAPE AREAS.

PROVIDE PROOF TO THE LANDSCAPE ARCHITECT THAT ALL AVAILABLE MAINTENANCE MANUALS FOR EACH OF THE PRODUCTS INCLUDED IN THIS INSTALLATION HAVE BEEN PROVIDED TO THE OWNER OR OWNER'S REPRESENTATIVE.

ADJUST THE IRRIGATION SYSTEM COMPONENTS AND EXISTING SYSTEM TO PROVIDE UNIFORM COVERAGE. ASSURE THAT THE SYSTEM PROVIDES 100% COVERAGE OF ALL LANDSCAPE MATERIALS INCLUDING SHRUBS, GROUND COVER, TREES AND TURF.

ADJUST THE VERTICAL ORIENTATION OF SPRINKLERS ON SLOPES TO PROVIDE UNIFORM COVERAGE OF THE SLOPED AREA.

ANY EXISTING TREE ROOTS, WHEN ENCOUNTERED DURING INSTALLATION OF UTILITIES, SHALL BE CUT OFF EVENLY WITH CLEAN SHARP PRUNING TOOLS AND COVERED WITH SOIL AS SOON AS POSSIBLE TO REDUCE DEHYDRATION. THE CONTRACTOR/DEVELOPER SHALL MINIMIZE THE DAMAGE TO EXISTING TREE ROOT SYSTEMS.

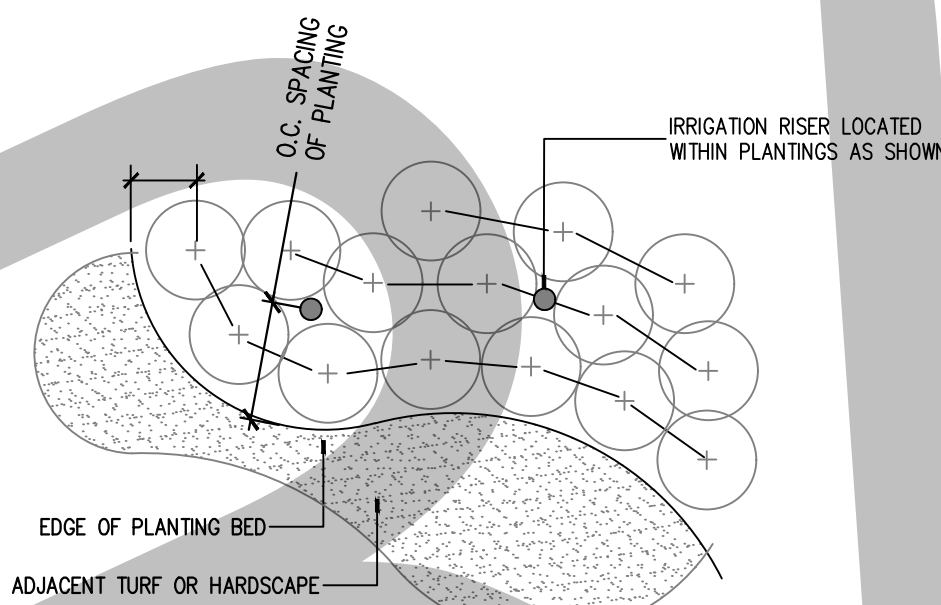
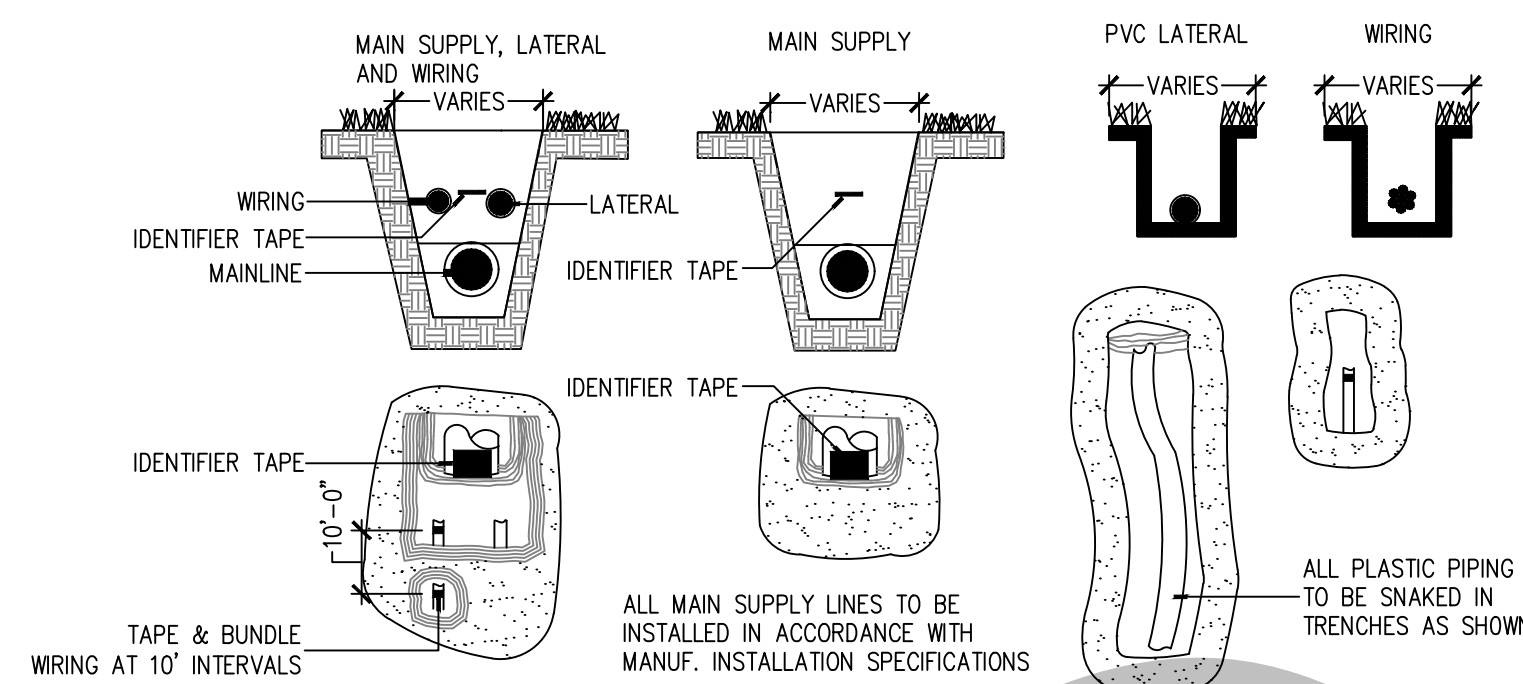
CONSULT WITH THE OWNER AS TO LOCATIONS OF THIS SYSTEM'S INSTALLATION AS RELATED TO THE EXISTING SYSTEM.

INSTALL MARLEX STREET ELLS FOR ALL HEADS.

ALL IRRIGATION HEADS IN SHRUBS/GROUNDCOVER AREAS SHALL BE INSTALLED ON RISERS. SEE DETAILS BELOW.

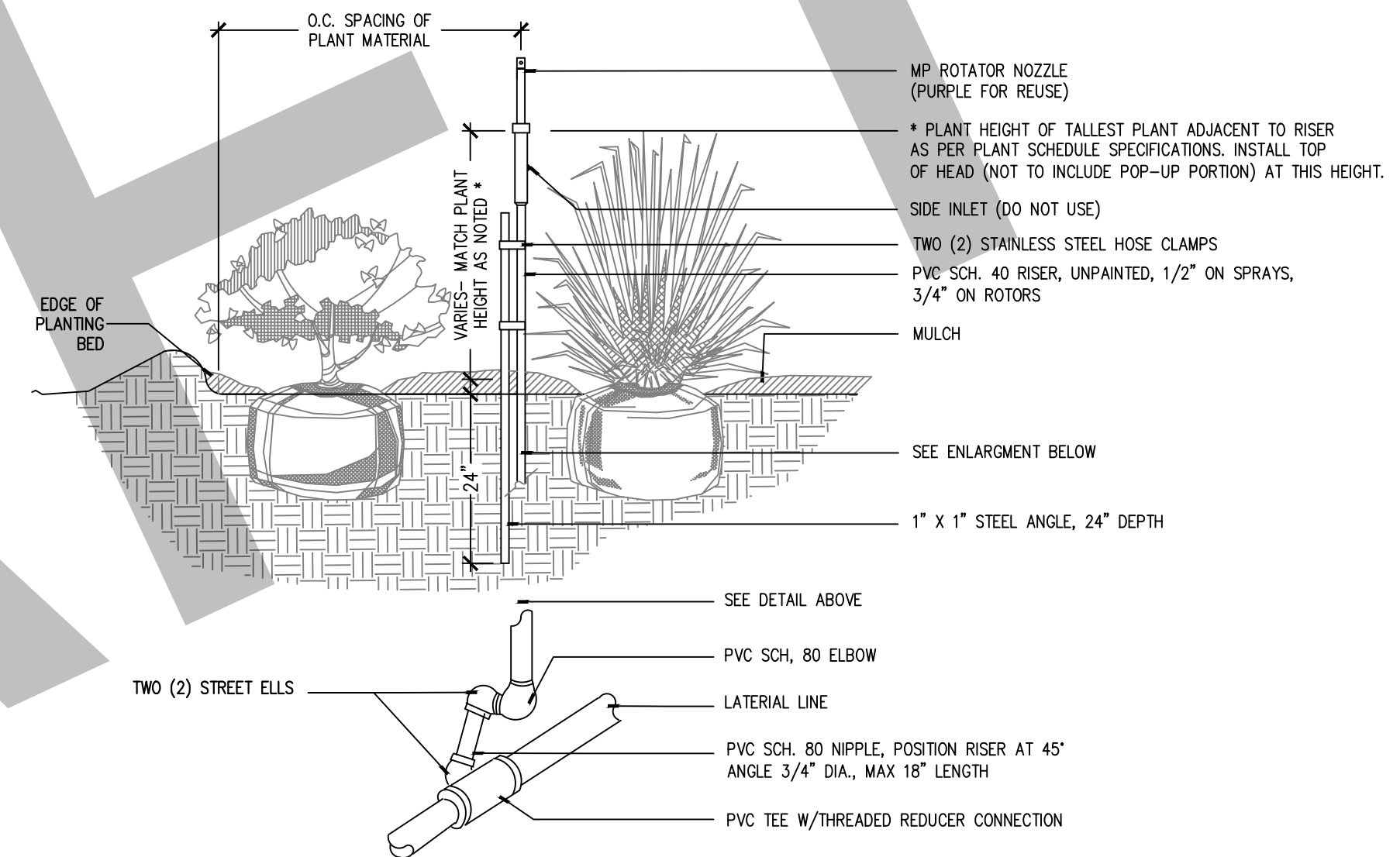
1 GENERAL NOTES
L-401

SCALE: N.T.S.



3 SPRAY/ROTOR LAYOUT IN SHRUB BED: PLAN
L-401

SCALE: N.T.S.

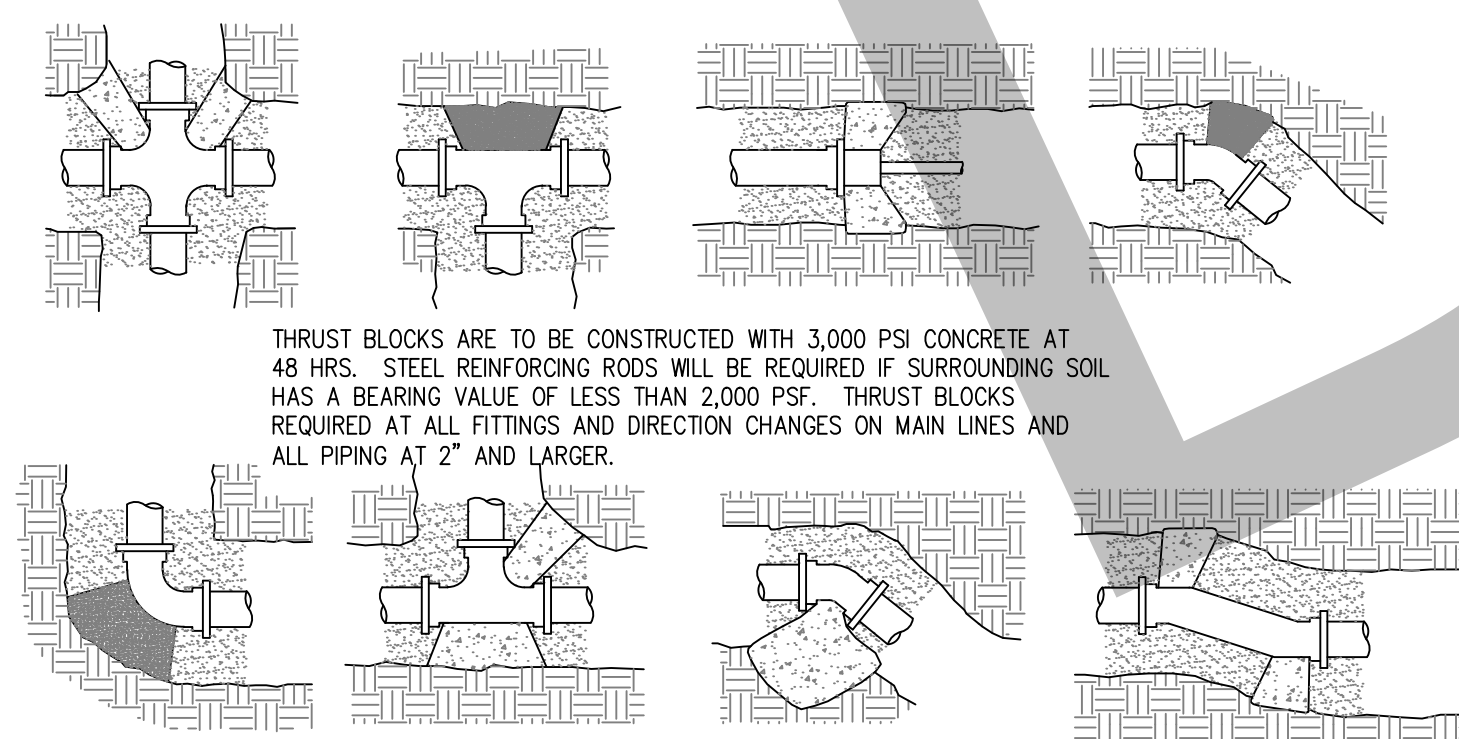


4 SPRAY/ROTOR LAYOUT IN SHRUB BED: SECTION
L-401

SCALE: N.T.S.

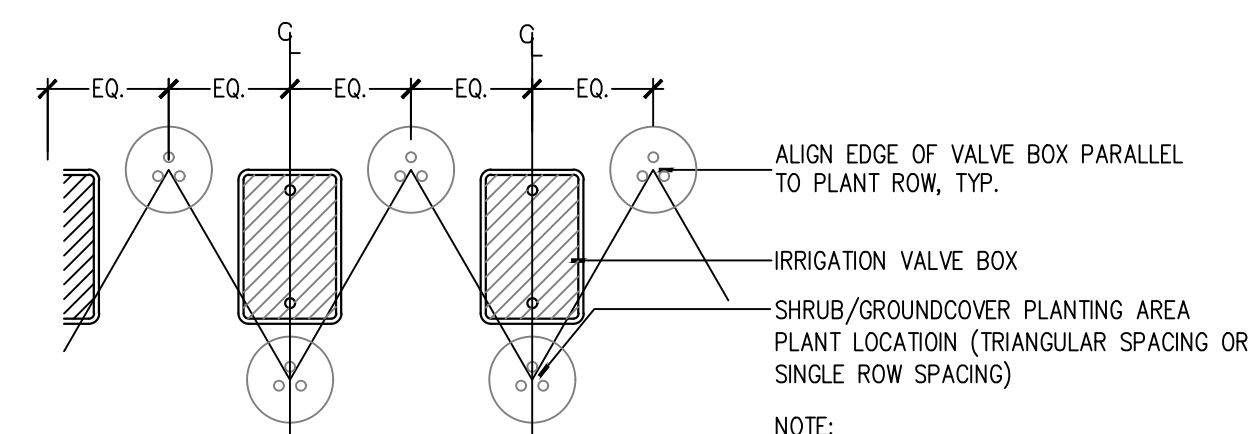
2 PIPE AND WIRE TRENCH CONFIGURATION
L-401

SCALE: N.T.S.



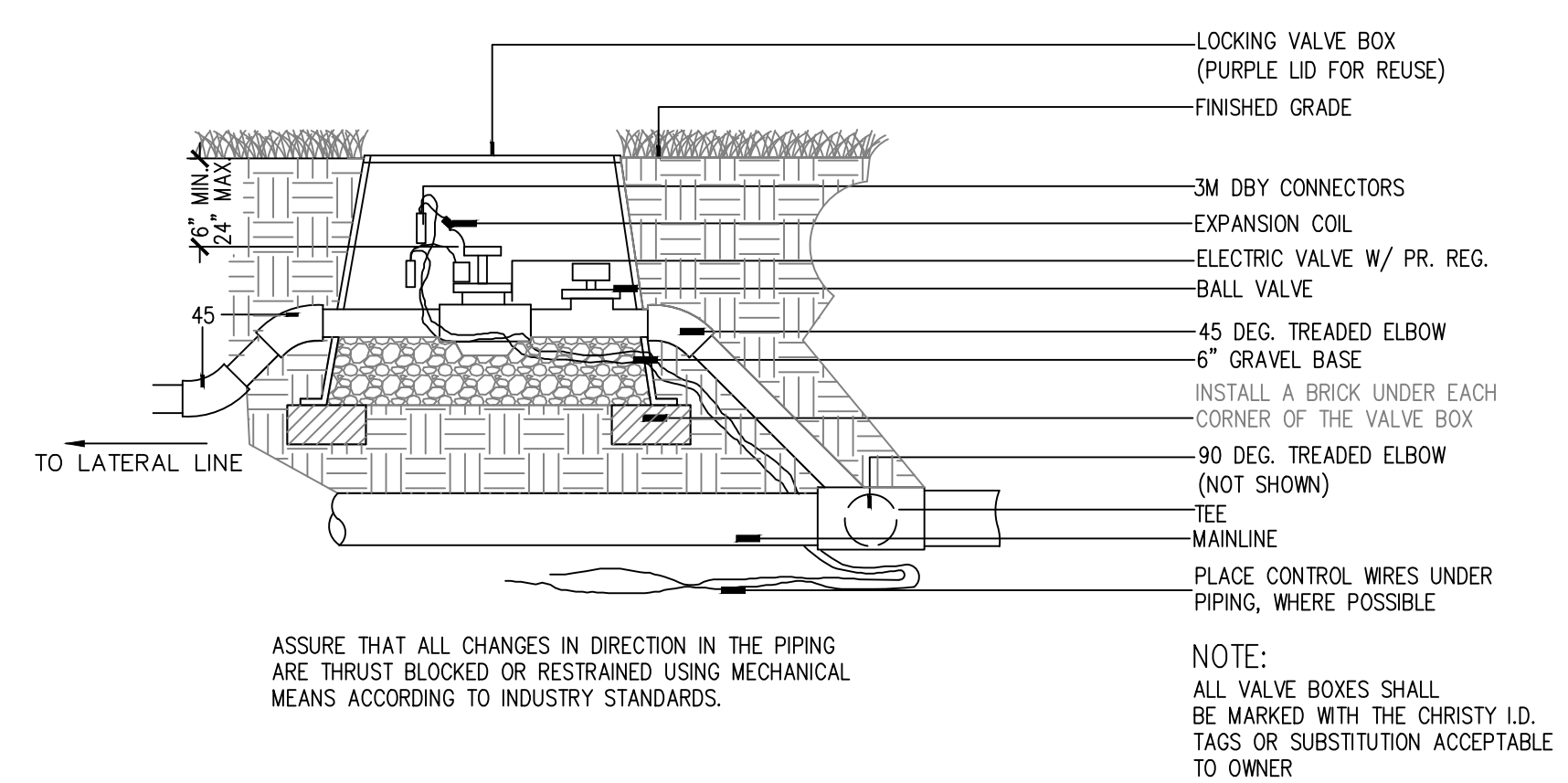
5 THRUST BLOCK CONFIGURATIONS
L-401

SCALE: N.T.S.



6 TYPICAL VALVE BOX GROUPING
L-401

SCALE: N.T.S.



7 ZONE VALVE INSTALLATION
L-401

SCALE: N.T.S.

NOTE:
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MIAMI CIRCLE SITE
RENOVATIONS

MIAMI, DADE COUNTY, FLORIDA

NO.	DATE	DESCRIPTION	BY	CHK	APV
	09/28/18	100% CD REVIEW SET	BW	BH	JH
	09/14/18	50% CD	BW	BH	JH

PROJECT NUMBER
527118100

DRAWING NUMBER
L-402

DRAWING NAME
IRRIGATION
DETAILS



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**MIAMI CIRCLE SITE
RENOVATIONS**
MIAMI, DADE COUNTY, FLORIDA

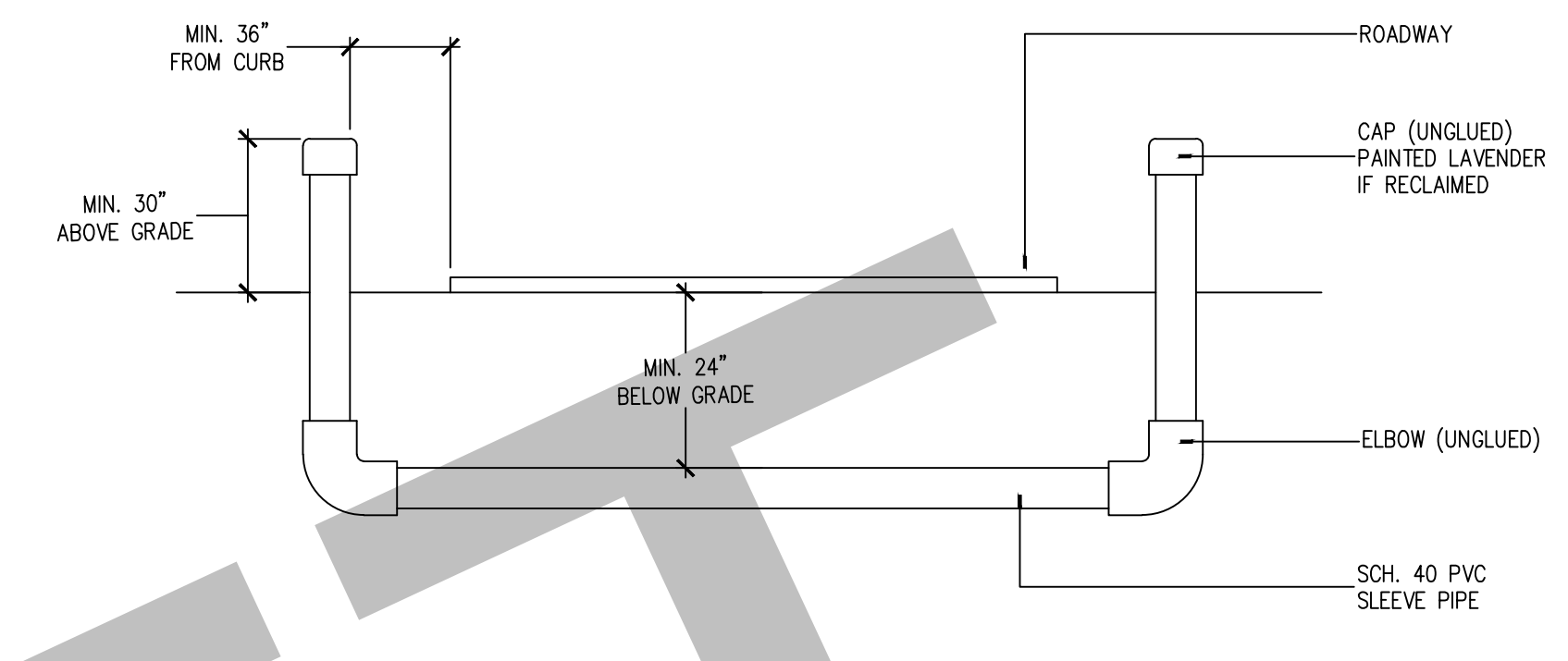
NO.	DATE	DESCRIPTION	BY	CHK	APV
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	09/14/18	50% CD	BW	BH	JH

PROJECT NUMBER
527118100

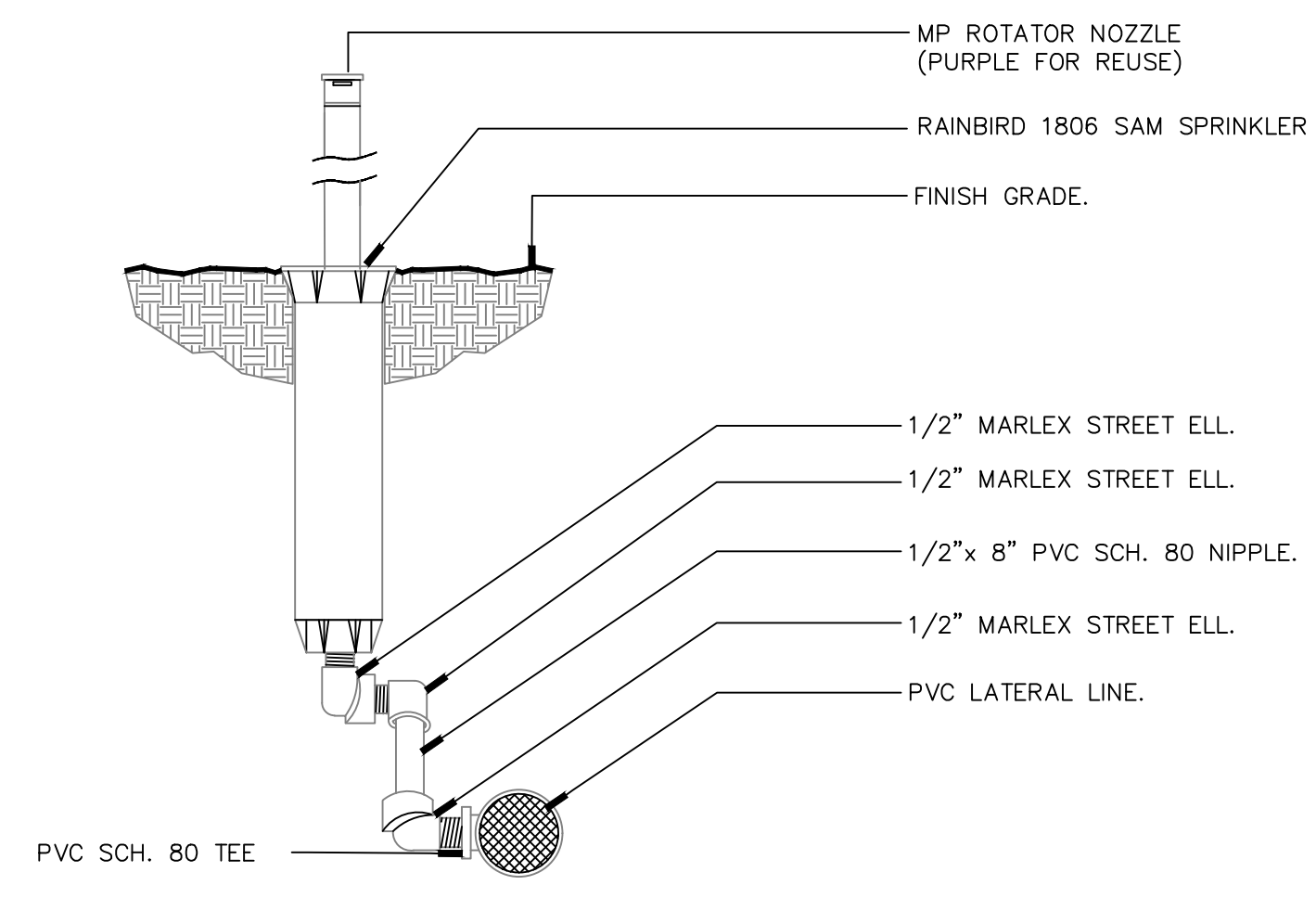
DRAWING NUMBER
L-403

DRAWING NAME
**IRRIGATION
DETAILS**

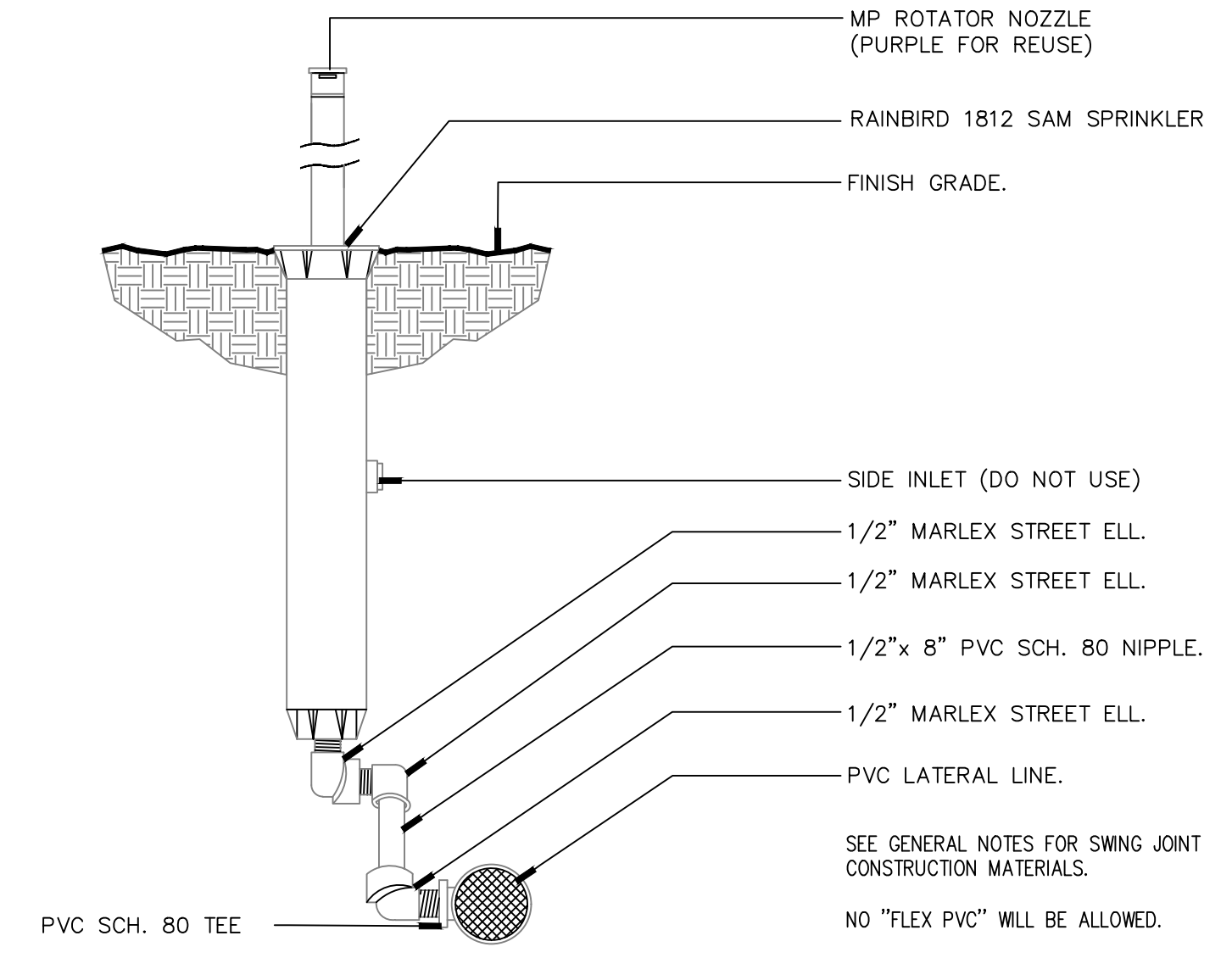
NOTE:
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OBSERVATION OF THE ASSIGNED
ARCHEOLOGIST.



3 SLEEVE DETAIL
SCALE: N.T.S.



2 6" SPRAY HEAD AT GRADE DETAIL
SCALE: N.T.S.



1 12" SPRAY HEAD AT GRADE DETAIL
SCALE: N.T.S.

PIPE SIZE (inches)	90° BEND (Sq. Ft.)	45° BEND (Sq. Ft.)	22½° BEND (Sq. Ft.)	11¼° BEND (Sq. Ft.)	TEE OR PLUG (Sq. Ft.)	DESIGN PRESSURE (P.S.I.)
2	.5	.3	.2	.1	.4	150
2.5	.8	.4	.2	.1	.6	150
3	1.2	.6	.3	.2	1.0	150

NOTE: Thrust block areas computed on basis of 2000 lbs. per sq. ft. soil resistance bearing.

5 SCHEDULE OF THRUST BLOCK AREAS
SCALE: N.T.S.

- Thrust block bearing areas shall be poured against undisturbed material. Where trench wall has been disturbed, excavate all loose material and extend to undisturbed material.
- Extend thrust block for full length of fittings. Put board in front of plug before pouring concrete. Joints shall not be covered by thrust block.
- Rough blocking forms shall be used along sides of thrust blocks.
- Thrust blocks shall be used in combination, as required, to suit the specific fitting arrangement.
- Alternate designed restraining systems shall be provided where standard thrust blocking is not suitable.
- All wood blocking shall be pressure treated with preservative.
- Install a plastic bearier (Visquine) between fittings and thrust block.

4 THRUST BLOCK NOTES
SCALE: N.T.S.

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MIAMI CIRCLE SITE
RENOVATIONS

MIAMI, DADE COUNTY, FLORIDA

PART 1 – GENERAL

DESCRIPTION

FURNISH ALL MATERIALS, LABOR, EQUIPMENT, TOOLS, AND TRANSPORTATION, UNLESS OTHERWISE SPECIFIED, NECESSARY TO PROVIDE AN AUTOMATIC IRRIGATION SYSTEM FOR LANDSCAPE PLANT MATERIALS AND TURF AND MULCH AREAS.

APPLICABLE STANDARDS

AMERICAN SOCIETY OF AGRICULTURAL ENGINEERS S376.1, "DESIGN, INSTALLATION AND PERFORMANCE OF UNDERGROUND, THERMOPLASTIC IRRIGATION PIPELINES."

ASTM D2774, "UNDERGROUND INSTALLATION OF THERMOPLASTIC PRESSURE PIPING."

ASTM D1785, POLY (VINYL CHLORIDE) (PVC) PLASTIC PIPE, SCHEDULES 40, 80, AND 120.

ASTM D2241 POLY (VINYL CHLORIDE) (PVC) PLASTIC PIPE (SDR-PR).

SUBSTITUTIONS

WHEREVER BRAND NAMES ARE USED IN THESE SPECIFICATIONS, USE ONLY THE BRAND SPECIFIED. MAKE NO SUBSTITUTIONS AS A PART OF THIS BID PACKAGE.

PART 2 – MATERIALS

PIPE

FURNISH ALL UNDERGROUND PIPING AS PVC EXCEPT FOR ANY FLEXIBLE POLYETHYLENE (POLY PIPE) PIPING THAT IS TO BE USED BETWEEN THE LATERALS AND SPRINKLER HEADS. ALL PVC PIPE SHALL BE CL 200 PIPE OR BETTER, FOR THE REUSE-FED SYSTEM.

CONSULT WITH THE OWNER OR OWNER'S REPRESENTATIVE FOR THE LOCATION, DEPTH, NUMBER AND SIZE OF ANY AVAILABLE EXISTING SLEEVES.

PIPE FITTINGS

FOR PVC ZONE PIPE, USE SCHEDULE 40, SOLVENT WELD FITTINGS, MANUFACTURED FROM PVC 12454-B COMPOUND AND TESTED IN ACCORDANCE WITH ASTM D2466, EXCEPT FOR THREADED FITTINGS. FOR THREADED APPLICATIONS, USE SCHEDULE 80 FITTINGS MANUFACTURED FROM PVC 12454-B COMPOUND AND TESTED IN ACCORDANCE WITH ASTM D2467.

SEE DETAILS FOR SPRINKLER TO PIPE CONNECTIONS. NO "FLEX PVC" IS ALLOWED.

SOLVENT CEMENT AND PRIMER

USE A MEDIUM OR HEAVY BODY GRAY SOLVENT CEMENT MANUFACTURED IN ACCORDANCE WITH ASTM D2564 AND PRIMER MANUFACTURED IN ACCORDANCE WITH ASTM F656.

SPRINKLERS

INSTALL RAIN BIRD 1806-SAM SPRINKLERS WITH RAIN BIRD NOZZLES FOR ALL TURF APPLICATIONS.

INSTALL RAIN BIRD 1812-SAM SERIES 12" SPRINKLERS WITH HUNTER MP ROTATOR NOZZLES FOR ALL SHRUB APPLICATIONS.

VALVE BOXES

USE 12 X 18 VALVE BOXES FOR ALL APPLICATIONS.

ELECTRIC VALVES

USE RAIN BIRD PESB-100 ELECTRIC VALVES FOR ALL APPLICATIONS. SEE PLANS FOR PRESSURE REGULATION REQUIREMENTS

WIRE

USE U.L. U.F. WIRE APPROVED FOR DIRECT BURIAL UNDERGROUND FOR ALL 24 VAC APPLICATIONS.

USE RED #14 AWG WIRE FOR ALL VALVE POWER WIRES.

USE WHITE #14 AWG WIRE FOR ALL VALVE COMMON WIRES.

PART 3 – EXECUTION

A. GENERAL

INSTALL PVC PIPE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. REVIEW CONSTRUCTION PLANS WITH THE OWNER OR OWNER'S REPRESENTATIVE BEFORE ANY WORK BEGINS. THE CONTRACTOR SHALL CONTACT THE LANDSCAPE ARCHITECT/OWNER PRIOR TO INSTALLATION IF THERE IS ANY DOUBT AS TO HEAD LINE OR ZONE PLACEMENT.

INSPECT THE CONSTRUCTION SITE BEFORE ANY WORK BEGINS AND FLAG LOCATIONS OF MAINLINE PIPE, SLEEVES, HEADS AND VALVES FOR REVIEW BY THE LANDSCAPE ARCHITECT/OWNER. FLAGS SHALL BE CLEARLY MARKED OR COLORED TO DESIGNATE THE TYPE OF EQUIPMENT TO BE INSTALLED AT THAT POINT. INSTALLATION SHALL NOT COMMENCE UNTIL THE STAKING/FLAGGING HAS BEEN APPROVED.

COORDINATE THE INSTALLATION OF THE IRRIGATION SYSTEM WITH THE LANDSCAPE CONTRACTOR TO PROVIDE FOR CORRECT APPLICATION OF WATER TO THE PLANT MATERIAL.

PIPE TRENCH CONSTRUCTION

PROVIDE FOR A MINIMUM DEPTH OF COVER OF 18" FOR ALL MAIN LINE PIPE AND 12" OF COVER FOR ALL ZONE PIPE AS MEASURED FROM FINISHED GRADE.

PROVIDE THE MINIMUM DEPTH OF COVER, AS SPECIFIED ABOVE, OVER THE TOP OF THE PIPE BEFORE THE TRENCH IS WHEEL-LOADED.

BACK FILL

PROVIDE INITIAL BACK FILL MATERIAL THAT IS FINE-GRAINED MATERIAL FREE FROM COMPACTED EARTH GREATER THAN TWO INCHES IN DIAMETER, ROCKS, OR STONES.

TAMP THE BACK FILL IN LAYERS NOT TO EXCEED SIX INCHES. LIFT AND COMPACT FIRMLY AROUND THE PIPE AND UP TO AT LEAST SIX INCHES ABOVE THE TOP OF THE PIPE. SUFFICIENTLY MOISTEN THE BACK FILL TO PERMIT THOROUGH COMPACTION UNDER AND ON EACH SIDE OF THE PIPE TO PROVIDE SUPPORT FREE FROM VOIDS. AVOID DEFORMING, DISPLACING, OR DAMAGING PIPE DURING THIS PHASE OF THE OPERATION. ASSURE THAT WHEN FINISHED, THE SOIL COMPACTION EQUALS THE ORIGINAL CONDITION.

FITTING AND PIPE CONNECTIONS

SQUARE CUT, CLEAN AND PRIME ALL JOINTS BEFORE CEMENTING.

FULLY ENGAGE ALL JOINTS WHILE CEMENTING.

PVC FITTINGS – MAKE ALL SOLVENT WELD JOINTS IN ACCORDANCE WITH ASTM D2855. PRIME ALL FITTINGS WITH PURPLE PRIMER BEFORE MAKING SOLVENT WELD CONNECTIONS. ALLOW SOLVENT WELDED JOINTS AT LEAST ONE (1) HOUR TO SET UP BEFORE MOVING OR HANDLING. DO NOT PERMIT WATER IN THE PIPE FOR AT LEAST TWENTY-FOUR HOURS AFTER MAKING A SOLVENT WELD ON THAT PIPE UNLESS RECOMMENDED OTHERWISE BY THE SOLVENT CEMENT MANUFACTURER. SEAL ALL THREADED PVC FITTINGS WITH LIQUID TEFLON EXCEPT SPRINKLER HEADS, ELECTRIC VALVE CONNECTIONS AND SWING JOINTS. INSTALL ALL OF THESE EXCEPTIONS USING ONE INCH TEFLON TAPE.

FLUSHING PIPELINES

FLUSH ALL PIPELINES BEFORE SPRINKLERS ARE INSTALLED. MAINTAIN A MINIMUM PIPE VELOCITY OF THREE FEET PER SECOND AND FLUSH FOR A MINIMUM TIME OF:

$T = 2L/3$ WHERE T = TIME IN SECONDS
& L = PIPE LENGTH IN FEET FROM INLET POINT TO MOST DISTANT POINT IN PIPELINE.

INSTALLING ELECTRIC VALVE CONTROL WIRING

INSTALL WIRING IN THE SAME TRENCH AND ALONG THE SAME ROUTE AS, AND UNDERNEATH THE MAIN LINE EXCEPT IN LOCATIONS WHERE THE WIRE WILL PASS UNDER PAVING. AT THOSE LOCATIONS INSTALL THE WIRE INSIDE OF A PVC SLEEVE. INSTALL CONTROL WIRING THROUGH WALLS, FLOORS, AND SLABS IN PVC SLEEVES. INSTALL (2) EXTRA WIRES POWER FROM EACH CONTROLLER TO THE FARTHEST VALVE IN EACH DIRECTION OPERATED BY THAT CONTROLLER.

TAPE WIRING TOGETHER AT INTERVALS OF TEN FEET, USING 1/4 INCH FIBER REINFORCED TAPE.

USE A CONTINUOUS WIRE BETWEEN THE CONTROLLER AND VALVE. MAKE AN EXPANSION LOOP OF A MINIMUM 12 INCHES DIAMETER AT EACH WIRE CONNECTION. PROVIDE EXPANSION COILS OF WIRE AT NO MORE THAN 100 FOOT INTERVALS AND AT EACH DIRECTION CHANGE IN THE WIRE ROUTING.

ATTACH PERMANENT MARKINGS AT EACH END OF EACH WIRE TO IDENTIFY IT BY VALVE NUMBER. (CHRISTIE I.D., TAGS OR EQUAL)

PROVIDE A SEPARATE POWER WIRE FOR EACH CONTROL VALVE.

AUTOMATIC CONTROLLER INSTALLATION

LOCATION – VERIFY LOCATION WITH OWNER OR OWNER'S REPRESENTATIVE BEFORE INSTALLATION.

VERIFY THAT SUFFICIENT SLEEVING EXISTS TO ALLOW ROUTING OF THE VALVE WIRING FROM THE CONTROLLER TO EACH VALVE.

VALVE INSTALLATION

INSTALL ALL AUTOMATIC ZONE VALVES AND GATE VALVES IN VALVE BOXES. NUMBER EACH ZONE VALVE BOX ON THE UNDERSIDE AND TOPSIDE OF EACH VALVE BOX COVER WITH BLACK WATERPROOF MARKER FOR REFERENCE.

INSTALL ANY MAIN LINE ISOLATION VALVES AND QUICK COUPLING VALVES IN VALVE BOXES.

INSTALLATION OF SPRAY HEADS.

INSTALLATION SCHEDULE – INSTALL SPRAY HEADS AFTER THE SPRINKLER BODY ASSEMBLIES HAVE BEEN CLEANLY FLUSHED.

ORIENTATION – INSTALL POP-UP UNITS IN A PLUMB POSITION AND FIELD ADJUST SPRINKLER HEADS TO OBTAIN COMPLETE COVERAGE OF IRRIGATED AREA WITH MINIMUM OVER SPRAY ONTO PAVED SURFACES. HEADS ARE TO BE LOCATED ON A MAXIMUM SPACING OF 55% OF THE SPRINKLER COVERAGE DISTANCE AND CLOSER WHERE INDICATED. ADJUST NOZZLE DISTANCE AS NEEDED TO COVER PLANT MATERIALS AND MINIMIZE OVER SPRAY ON STRUCTURES AND PAVEMENT. ALIGN POP-UP SPRAY HEADS IN A VERTICAL ORIENTATION AS SHOWN IN THE DETAILS. ADJUST AS NECESSARY TO PROVIDE THE BEST COVERAGE IN SLOPED AREAS.

TESTING

PRESSURE TEST THE SYSTEM MAIN LINE BEFORE APPRECIABLY BACKFILLING.

PRESSURE TEST THE SYSTEM MAIN LINE, IN THE PRESENCE OF THE OWNER OR OWNER'S REPRESENTATIVE, FOR A PERIOD OF NO LESS THAN FOUR HOURS, CONTINUOUSLY, AT A PRESSURE OF NO LESS THAN 100 PSI WITH NO LEAKS AND ASSURE THAT ANY TESTS OF THE SYSTEM MAIN LINE MEET THE APPLICABLE COUNTY PLUMBING CODES. IF LEAKAGE OCCURS, REMEDY THE LEAKAGE PROBLEM AND RETEST. REPEAT THIS PROCESS AS MANY TIMES AS NECESSARY UNTIL A SUCCESSFUL TEST IS PERFORMED.

INSPECTIONS

THE FOLLOWING INSPECTIONS ARE REQUIRED. NOTIFY OWNER OR OWNER'S REPRESENTATIVE IN ADVANCE THAT EACH ITEM IS READY FOR INSPECTION AS INDICATED BELOW:

INSPECTION OF FLAGGED UNDERGROUND MAINLINE PIPING, SLEEVES, SPRINKLER AND VALVE LOCATIONS PRIOR TO BEGINNING CONSTRUCTION – NOTIFY 48 HOURS IN ADVANCE.

SPRINKLER COVERAGE TEST – NOTIFY 48 HOURS IN ADVANCE.

FINAL INSPECTION – NOTIFY 48 HOURS IN ADVANCE.

TESTING

COVERAGE TESTS – CONDUCT SPRINKLER COVERAGE TESTS UNDER NORMAL OPERATING PRESSURE CONDITIONS BEFORE ANY GROUND COVER OR TURF IS PLANTED. CORRECT AND FIELD ADJUST SPRINKLER ORIENTATION TO PROVIDE UNIFORM PRECIPITATION OVER THE IRRIGATED AREA AND MINIMIZE OVER SPRAY ONTO PAVED SURFACES AND BUILDINGS.

WARRANTY

THE CONTRACTOR SHALL ISSUE TO THE OWNER OR OWNER'S REPRESENTATIVE A CERTIFICATE OF WARRANTY OF THE IRRIGATION SYSTEM FOR A PERIOD OF NOT LESS THAN ONE YEAR ON ALL SPRINKLERS, VALVES, THE CONTROLLER, AND HIS LABOR.

DRAWING OF RECORD

THE CONTRACTOR SHALL SUPPLY TO THE OWNER A DRAFTED, SCALED, REPRODUCIBLE PLAN SHOWING ALL CHANGES MADE TO THE EXISTING IRRIGATION SYSTEM AND ALL NEWLY INSTALLED COMPONENTS INCLUDING ALL SPRINKLERS, INCLUDING BODY TYPES AND NOZZLES, PIPE, INCLUDING SIZES AND THE ENDS OF SLEEVING LOCATIONS AS MEASURED FROM AT LEAST TWO FIXED OBJECTS, CONTROLLER, AND WIRE ROUTING. THIS PLAN MAY BE AN ADAPTATION OF THE IRRIGATION DESIGN WITH ANY CHANGES DRAFTED ON THIS PLAN. THE DRAWING SHALL ALSO PROVIDE A MINIMUM OF TWO (2) DIMENSIONS TAKEN FROM FIXED OBJECTS TO EACH AUTOMATIC VALVE AND MANUAL CONTROL VALVE.

ADDITIONAL SUBMITTALS

SUPPLY TO THE OWNER ALL INSTRUCTION SHEETS AND PARTS LISTS COVERING ALL OPERATING AND ELECTRICAL-RELATED EQUIPMENT, BOUND IN ONE FOLDER. FURNISH THE OWNER WITH ANY KEYS FOR LOCKABLE ITEMS ON THIS SYSTEM.

RAIN GAUGE

ASSURE THAT EACH CONTROLLER IS INTERFACED WITH A SWITCH WHICH WILL SHUT THE SYSTEM OFF IN CASE OF RAIN OR FREEZING WEATHER.

MISCELLANEOUS

ANY IRRIGATION ITEMS NORMALLY INSTALLED IN LANDSCAPE AREAS THAT ARE SHOWN OUTSIDE OF LANDSCAPE AREAS OR OUTSIDE OF THE PROPERTY LINES ARE SHOWN AS SUCH FOR GRAPHIC CLARITY ONLY. INSTALL THESE ITEMS INSIDE OF PROPERTY LINES AND IN LANDSCAPE AREAS. CONTACT THE OWNER OR LANDSCAPE ARCHITECT PRIOR TO INSTALLATION IF IN ANY DOUBT OF HEAD, LINE OR ZONE PLACEMENT.

ASSURE THAT THE SYSTEM PROVIDES 100% COVERAGE OF ALL LANDSCAPED AREAS. REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT BEFORE COMMENCING WITH THE INSTALLATION.

ALL APPLICABLE CODES SHALL TAKE PRECEDENCE OVER THESE PLANS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH ALL APPLICABLE CODES.

THE LANDSCAPE ARCHITECT RESERVES THE RIGHT TO MAKE MINOR FIELD CHANGES.

FIELD ADJUST NOZZLE SELECTION LOCATIONS AND PLUMB OF SPRINKLERS AND SPACING OF DRIP TUBING TO PROVIDE PROPER COVERAGE.

IRRIGATION SYSTEM REQUIREMENTS

INSTALL ALL ITEMS IN ACCORDANCE WITH THE STATE OF FLORIDA AND CITY OF MIAMI REQUIREMENTS REGARDING IRRIGATION FOR POTABLE-FED SYSTEMS.

1 SPECIFICATIONS
L-403

SCALE: N.T.S.

NOTE:
NO EXCAVATION SHALL OCCUR ON SITE WITHOUT THE KNOWLEDGE, APPROVAL, AND OBSERVATION OF THE ASSIGNED ARCHEOLOGIST.

NO.	DATE	DESCRIPTION	BY	CHK	APV
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	09/14/18	50% CD	BW	BH	JH

PROJECT NUMBER

527118100

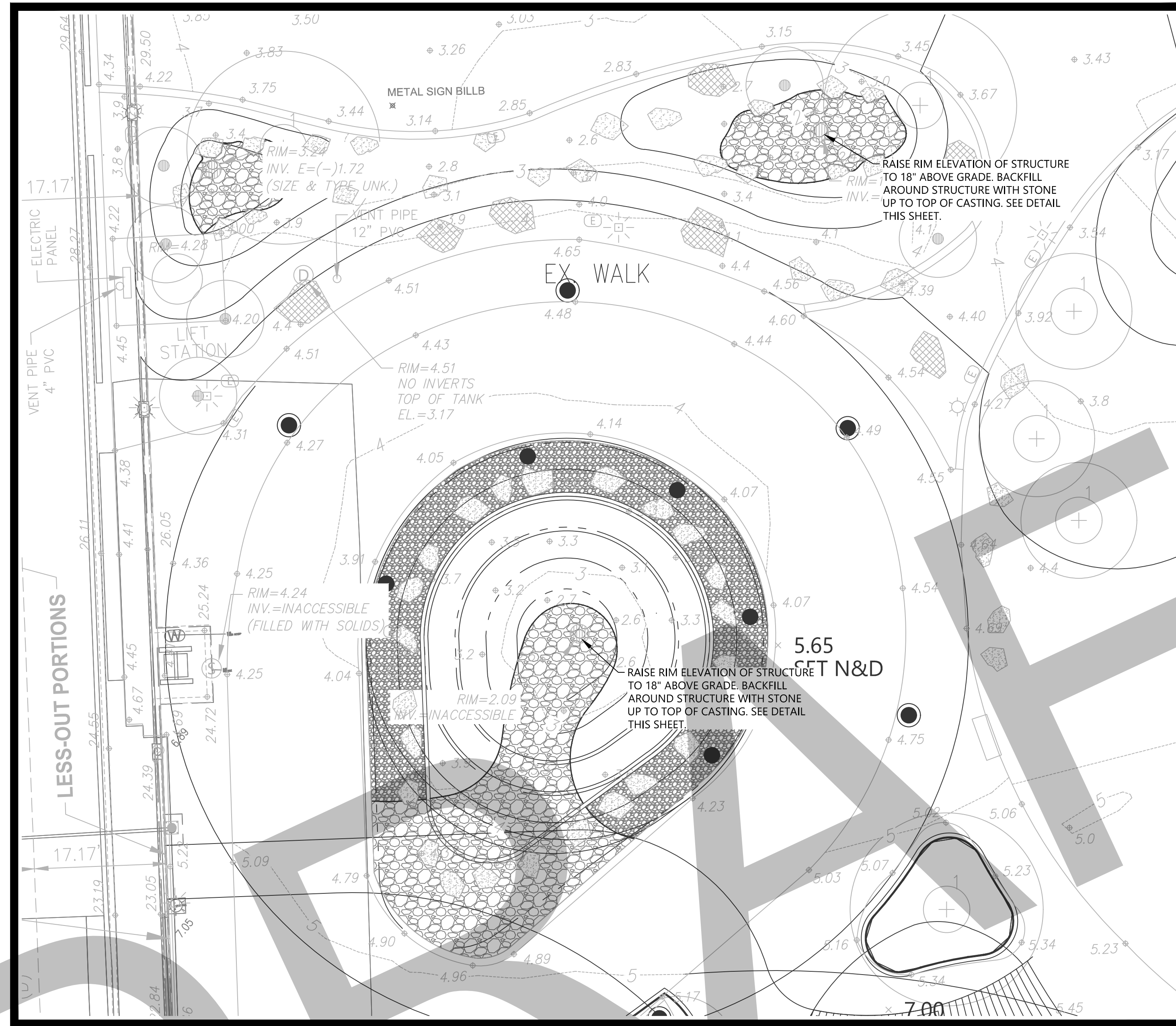
DRAWING NUMBER

L-404

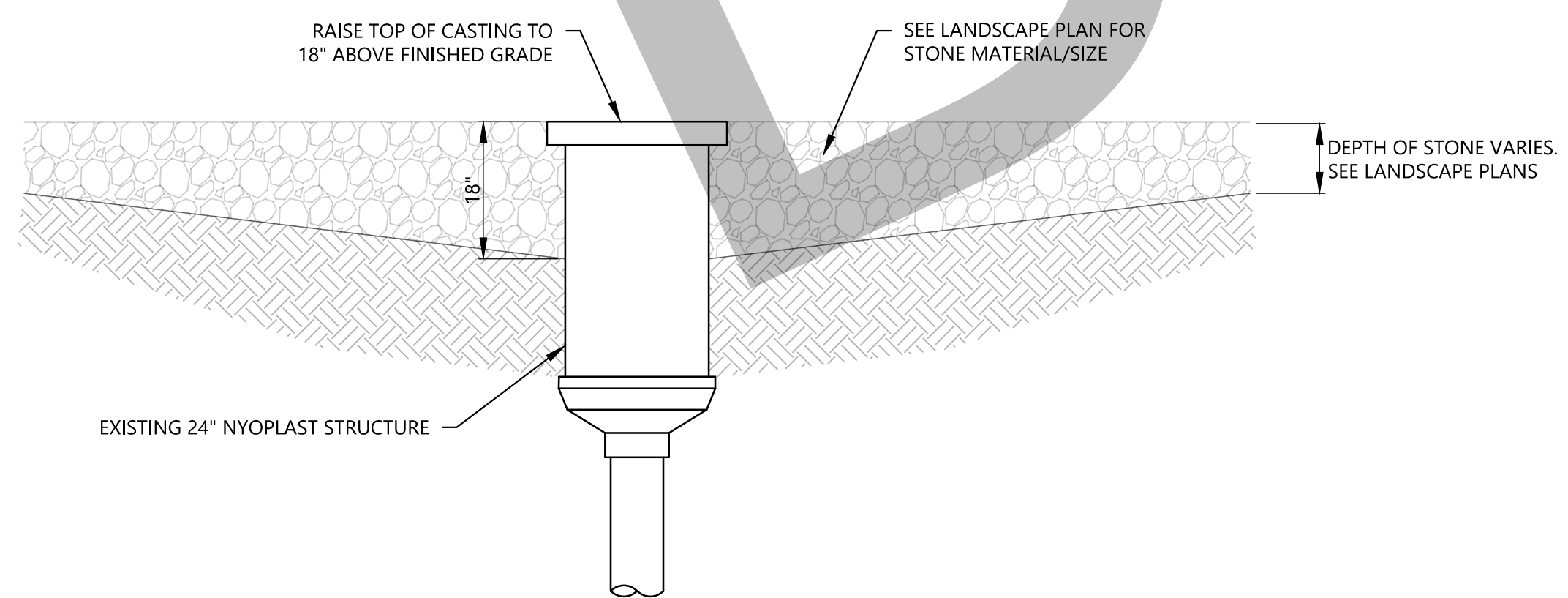
DRAWING NAME

IRRIGATION
SPECIFICATIONS

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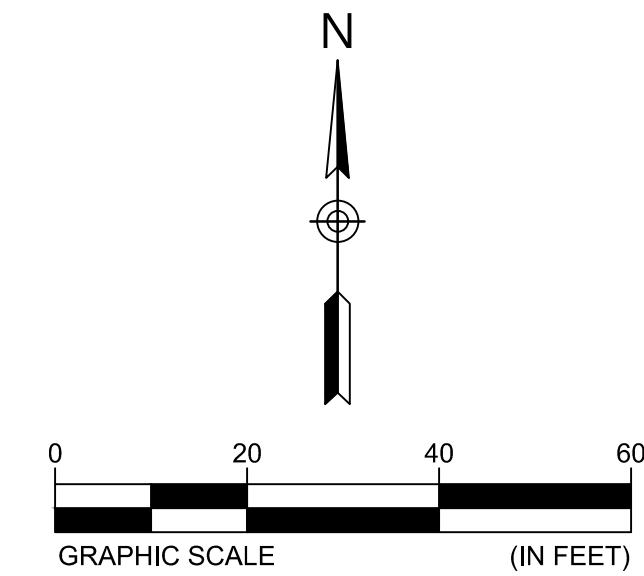
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NYOPLAST STRUCTURE MODIFICATIONS
NO SCALE

NOTES

- CONTRACTOR SHALL RESTORE ALL FINISHED GRADES TO PREVIOUSLY PROPOSED GRADES UNLESS OTHERWISE NOTED ON PLANS.



NOTE:
NO EXCAVATION SHALL OCCUR ON SITE WITHOUT THE KNOWLEDGE, APPROVAL, AND OBSERVATION OF THE ASSIGNED ARCHEOLOGIST.



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MIAMI CIRCLE SITE
RENOVATIONS

MIAMI, DADE COUNTY, FLORIDA

NO.	DATE	DESCRIPTION	BY	CHK	APV
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	09/14/18	SET 50% CD	BW	BH	JH

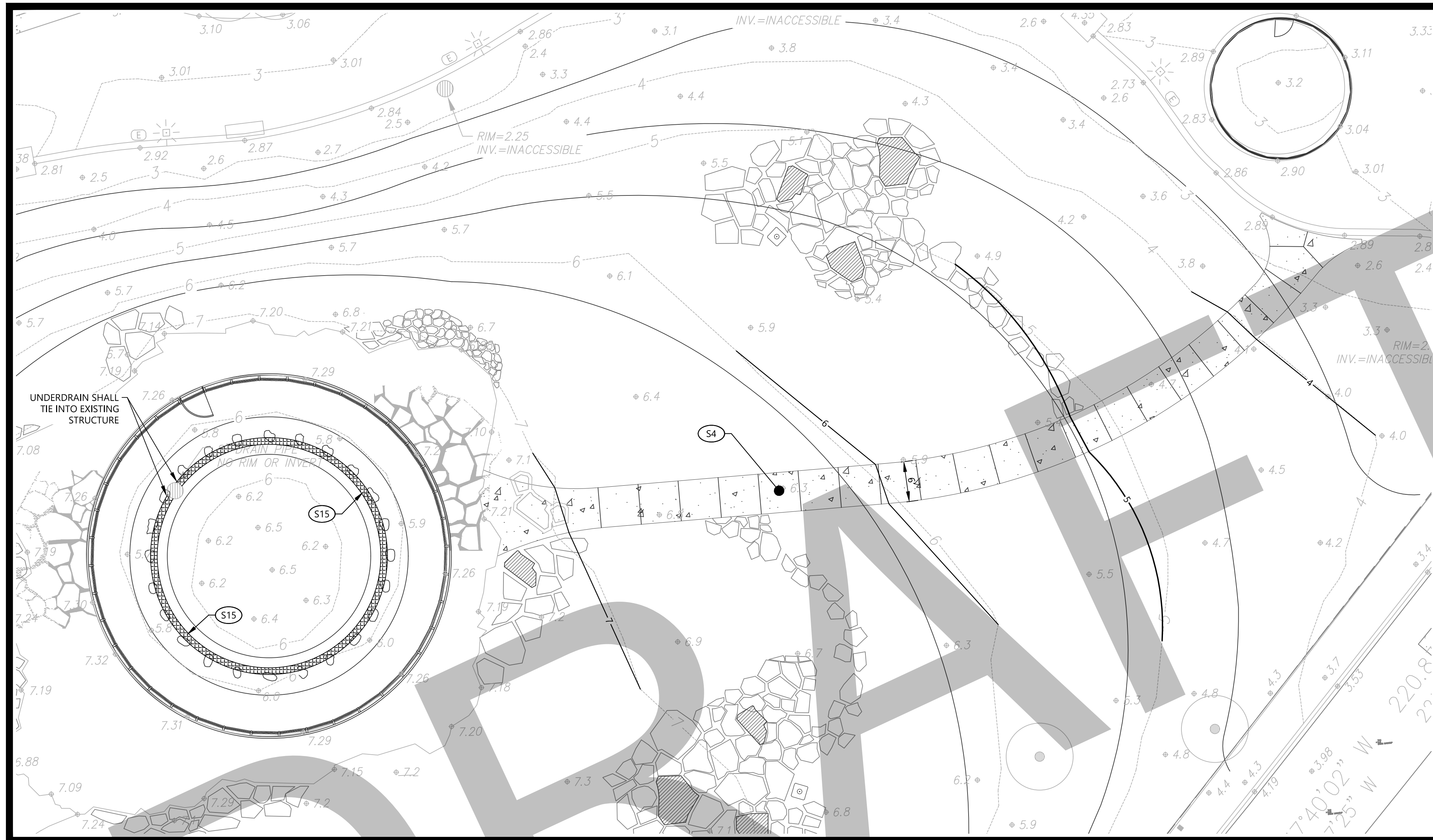
PROJECT NUMBER
DRAWING NUMBER
C-100
DRAWING NAME
SITE LAYOUT & GRADING

I:\Projects\2018\PA&D\5271-18-100_Miami Cir Site Renovations\CAD\Construction\527118100_C-100_LAYOUT.dwg-C-101 Site Layout & Grading Sep 28, 2018 swong



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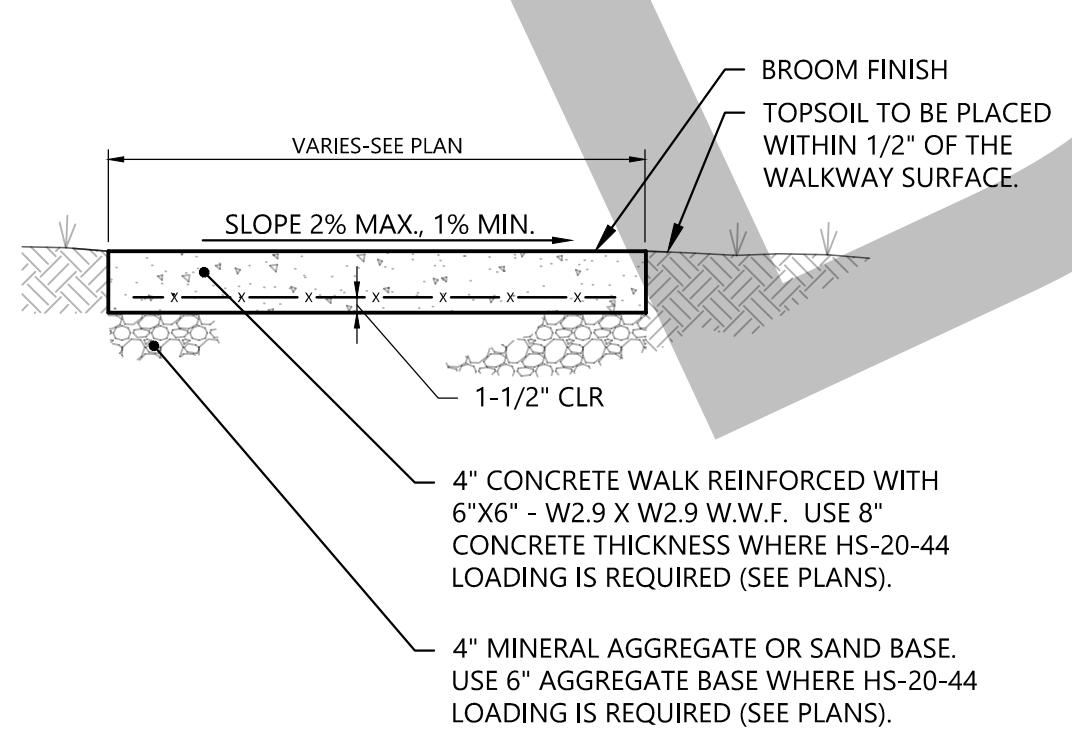


SITE LAYOUT KEYNOTES		
CODE	DESCRIPTION	DET #/SHT #
(S4)	CONCRETE SIDEWALK	THIS SHEET
(S15)	UNDERDRAIN	THIS SHEET

NOTES

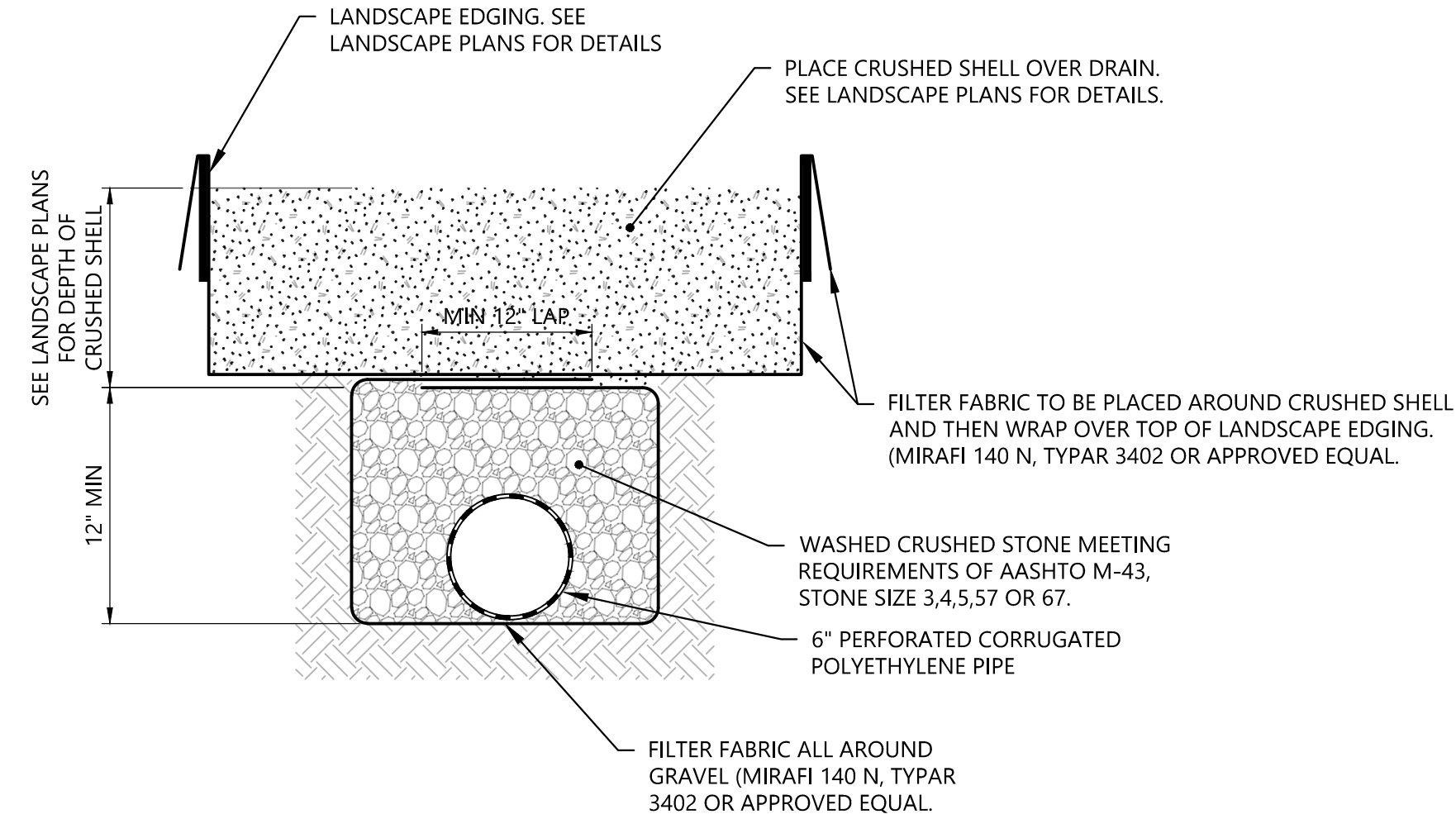
- CONTRACTOR SHALL RESTORE ALL FINISHED GRADES TO PREVIOUSLY PROPOSED GRADES UNLESS OTHERWISE NOTED ON PLANS.

2 MIAMI CIRCLE
SCALE: 1"=10'-0"

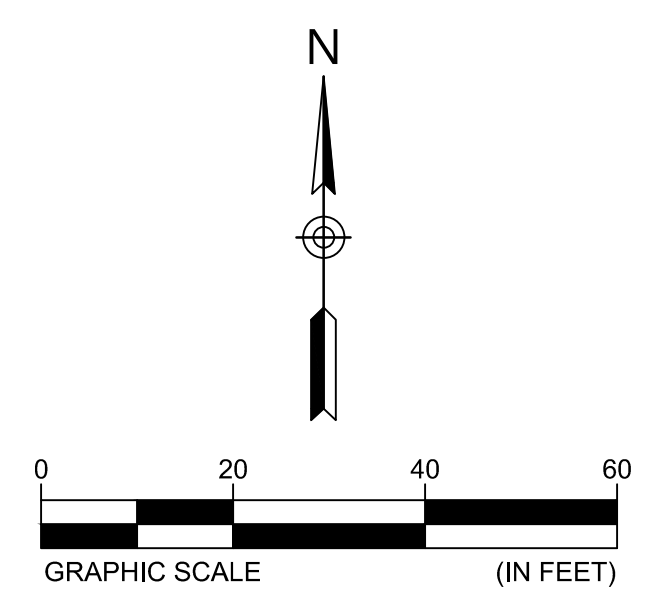


- NOTES:
- USE 4000 PSI CONCRETE AND GRADE 60 STEEL.
 - PROVIDE CONTROL JOINTS 5' APART AND EXPANSION JOINTS 25' APART, AND WHERE SIDEWALKS ABUT RIGID MATERIALS.

CONCRETE SIDEWALK
NO SCALE



UNDERDRAIN SECTION
NO SCALE



NOTE:
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MIAMI CIRCLE SITE RENOVATIONS

MIAMI, DADE COUNTY, FLORIDA

NO.	DATE	DESCRIPTION	BY	CHK	APV
	09/28/18	100% CD REVIEW	BW	BH	JH
	09/14/18	SET 50% CD	BW	BH	JH

PROJECT NUMBER
DRAWING NUMBER
C-101
DRAWING NAME
SITE LAYOUT & GRADING