



ADDENDUM NO. #1

Date: March 06, 2020

Acknowledge receipt of this Addendum by inserting its number and date in bid form. Failure to do so may subject the Bidder to disqualification. This Addendum forms a part of the Contract Documents and modifies them as follows:

RE: ITB# 016-20 – The Banks Bid Package #6 – Lot 23 Park, Lot 23/27 Garage Signage & Security

Addendum to the Construction Documents

To all Bidders of record:

Pre-Bid held on March 5, 2020 @ 10:00 AM

Sign-In Sheet from Pre-Bid attached

Pre-Bid Questions/Answers:

#1 Question: Is the project tax exempt?

Answer: It is tax exempt for work in place.

#2 Question: For local employees & goals – is local contact locally manufacturing products?

Answer: We have been tracking labor (not mandated/all goal driven)

#3 Question: Prevailing Wage – is this all Building Wage or Building Highway?

Answer: Building Highway (TC-09 Federals Wages and TC-10 – Standard Wages)

#4 Question: Per Bid Drawings we have a lot of questions; do you want them in writing?

Answer: Yes and please be specific with the #'s in the drawings.

#5 Question: Contracting Goal – only onsite workforce?

Answer: Firms certified as both. Outreach Addendum (attached)

Please see SBE Information below:

- The City of Cincinnati SBE Certified Directory & Certification website information provided by Jeff Wright of Economic Inclusion
- Information regarding the City of Cincinnati Small Business Enterprise (SBE) program and the Banks Small Business Enterprise (BSBE) program can be found at the following link: <https://www.cincinnati-oh.gov/inclusion/registration-certification/>.
- The certified directory for both SBE-certified firms and BSBE-certified firms can be found at the following link: <https://cincinnati.diversitycompliance.com/Default.asp?> The certified directory is located on the left side of the page under the "Vendor Certification" heading.
- The City of Cincinnati certification application can be found at the following link: <https://cincinnati.diversitycompliance.com/frontend/startcertification.asp>

General contact information for the City of Cincinnati, Department of Economic Inclusion, which is:

- Email: dei@cincinnati-oh.gov
- Phone: (513) 352-3144

#6 Question: TC-09 & TC-10 – can these projects be 2 separate contracts?

Answer: Yes, they can be one contract for (combined) or two separate contracts all together.

#7 Question: Is there a site walk-thru?

Answer: Yes, the site walk-thru is option and not a requirement. We will start at Lot D – North Side. Also, please see Smale Riverfront Park, West Mehring Way, Cincinnati, Ohio 45202 - the material in the park will be the same for this project.

Questions and Answer received via email/fax:

#8 Question: We cannot locate a scope of work for the security?

Answer: Reference Section 011100-16 for security scope of work. Security system to be complete including power, data, integration, etc.

#9 Question: The included bid forms appear to be for a different bid package?

Answer: Revised bid form to be included in Addendum #1

#10 Question: Is there guardrail on a retaining wall between Lot #28 and Lot #23 in the southwest corner of the project between the W17 and W18 centerlines at Park Level? Section detail 21/A113 indicates there is guardrail on the adjacent wall, but the enlarged view of this area on sheet A110 chops off the wall with this section cut before the wall ends or turns a corner to follow the division between Lot #28 and Lot #23. What about guardrail between Lot #27 and Lot #28 at the PH1.7 centerline? Double checking that the North & South Elm Street stairs are part of this package? What about the exterior Music Venue Stair next to the upper Race Street Stair? Is this part of the Lot #23 bid package? Not sure how far the guardrail extends in this area for fall protection. Please advise

Answer: (a) There is no guardrail in BP #6 at Park Level between Lot 23 and Lot 28 in the southwest corner of the project. (b) There is no guardrail in BP #6 at Park Level between Lot 27 and Lot 28 (along Line PH1.7) between the South Elm St. Stair and Line W18. (c) The North Elm St. Stair railings are included in BP #6. The South Elm St. Stair railings are not included in BP #6 (they are in BP #5). (d) The exterior Music Venue Stair next to the Upper Race St. Stair is not included in BP #6.

#11 Question: Please confirm that the guardrail featured in Detail 6/A112 and Detail 20/A113 are not part of the scope for BP #6. If they are included in this portion of the project, please reference the product details in the BP #6 drawing set.

Answer: Scope is in BP#5.

#12 Question: All of the railing noted in Detail 2 on A120 is called out as new, but the section views noted on Sheet A121 are confusing in relation to the plan views noted on A120. I am not finding a complete drawing detail in this bid set for the SS Lean Rail.

Answer: Extent of existing lean rail is shown on Plan 1/A120. All additional railing shown on Plan 2/A120 is new. Additional notes and detail to be added to Drawings A120 and A121 by addenda for clarification.

#13 Question: Sheet C400 calls out guardrail along the North & West sides of the upper level exterior Music Venue Patio. Is there guardrail on the East side of this patio next to the Race Street Turnaround?

Answer: No, there is no guardrail on the east side of the Upper Level Music Venue Patio next to the Race Street Turnaround.

#14 Question: There are many section cuts throughout the architectural bid drawings referencing pages that have not been included in this set. Will you be adding these missing sheets, ie. anything between A121 - A250 or A280 - A290?

Answer: These sheets were part of BP #5 and are available for review and reference at the Construction Manager's trailer. There is no plan to officially issue these as part of BP #6.

----- End of Addenda -----

THE BANKS – PHASE 3B
PUBLIC INFRASTRUCTURE DEVELOPMENT
PARKING GARAGE AND STREET GRID
LOT 23/27 GARAGE
& RACE STREET TURNAROUND
BID PACKAGE #6
LOT 23 PARK
AND LOT 23/27 GARAGE SIGNAGE AND SECURITY

ITB#016-20

Pre-Bid Meeting Agenda
March 5, 2020 @ 10:00 AM
Todd B. Portune Center for County Government (Room 605)

- 1. Introduction - Phil**
 - a. Project
 - b. Owner
 - c. Construction Manager
 - d. Architect/Engineer
- 2. The Bid Process - Gina**
 - a. Key Dates
 - b. Addendums
 - c. Surety Bond
 - d. Prevailing Wage
 - e. Sales Tax
 - f. Estimated Budget
- 3. Bid Documents – Messer/THP**
 - a. Location
 - b. Scope Review
 - i. Overview
 - ii. Allowances and Unit
 - iii. Unit cost basis for work
 - iv. Waste Management Plan
 - c. Cost
- 4. Economic Inclusion and Workforce Development – Markiea Carter and Sonya Walton**
 - a. SBE Goal – 30% -
 - b. Economic Inclusion
 - c. Workforce Development
- 5. Project Safety Program - Messer**
 - a. Orientation Program and Drug-Free Workplace
 - b. Safety Plan
- 6. Schedule - Messer**
- 7. Questions and Answers – Gina**

PRE-BID CONFERENCE REGISTRATION

DATE: March 5, 2020 @ 10:00 AM

ITB# 016-20 - THE BANKS - Lot 23 Park Lot 23/27 Garage Signage & Security - Bid Package #6

TC09 - Lot 23 Park and TC 10 - General Trades, Security & Signage

#	COMPANY NAME	REPRESENTATIVE NAME	EMAIL ADDRESS	TELEPHONE #
1	Decorative Forming	Kevin Peters	kevin@decorativeforming.com	937 604 4379
2	DELTA Electric	Ashley Scheidt	ashleys@deltaelectric.us	513-421-7744
3	~~Hamilton County~~	Andrea Cornaty	andrea.cornaty@hamilton-co.org	513 946-3894
4	Messer Cons Co	Danier A. Rushing	dashing@meser.com	513-482-5359
5	~~TRAPP~~	1		
6	PROGRESSIVE CONST.	JOHN RUPP	TRAPP@PROGRESSIVECONST.COM	317-695-3610
7	Multin'sta	Mike Schneider	m.schneider@multinistm.com	614-226-3324
8	~~Jeff Blommel Pros~~	Jeff Blommel	vblommel@pros.us	513-321-7774
9	Pros	DAVID OGBURN	dcauford@pros.us	513-200-5920
10	Universal Contracting	Brad Wilhelm	~~brad@unicon.cc~~ brad@unicon.cc	513-616-4287
11	Universal Contracting	Kyle Pettit	Kpettit@unicon.cc	513-312-0183
12	Delta Protection	Ken George	KGEO@DELTA-PROTECTION.COM	937-849-9055
13	Sherr Formtamp	RW ORNAMENTAL METAL	SEBOMTAMP@RWORNAMENTAL.COM	859-466-0370
14	Kyle Peterson	RW ORNAMENTAL	KILA@RWORNAMENTAL.COM	502-500-3891
15	Kevin Beber			

USI Industries Kevin Beber Kevin.beber@usl-industries.com 513-372-3225

#	COMPANY NAME	REPRESENTATIVE NAME	EMAIL ADDRESS	TELEPHONE #
16	THP	PAUL BECCMAN	pbeccman@thp1td.com	513-241-3222
17	THP	Linette Green	lgreen@thp1td.com	859-810-5044
18	GEORGARH	MIKE REEDIGER	MIKE.REEDIGER@GEORGARHIND.COM	513-266-8614
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The Banks Phase IIIB Infrastructure & Park

February 25, 2020

Messer
WeAreBuilding.

Opening Remarks & Purpose

Kyle Buchhalter, Project Manager - Messer

Opening Remarks & Purpose

- + The purpose of this session is to assemble **SBE, MBE, WBE** subcontractors and suppliers interested in bidding or receiving information for **The Banks Phase IIIB Infrastructure and Park** project.
- + This session is an **on-going** effort to obtain **maximum community involvement** and SBE, MBE & WBE participation.

Agenda

- + Opening Remarks, Agenda & Introductions
- + Economic Inclusion Strategies
- + Project Overview
- + Bid Packages
- + Questions & Answers
- + Networking

Project Team

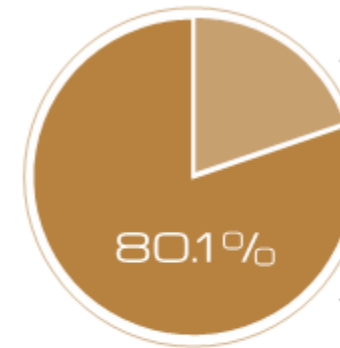
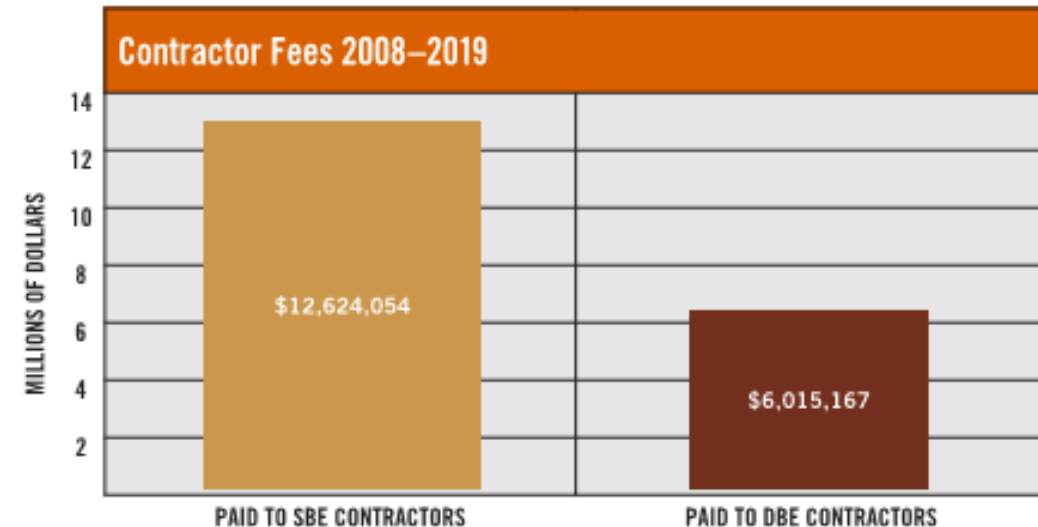
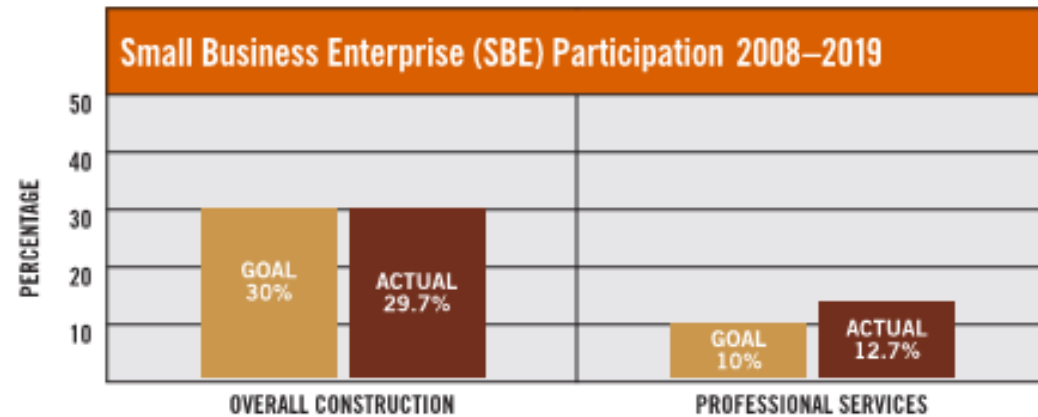
- + Bob Inkrot, Operations Vice President - Messer
- + Rob Enderle, Senior Project Manager – Messer
- + Kyle Buchhalter, Project Manager – Messer
- + Alex Walling, Project Engineer – Messer
- + Sonya Walton, Economic Inclusion Vice President - Messer
- + Natasha Moffitt, Economic Inclusion Specialist II - Messer

Economic Inclusion Strategies

Sonya Walton, Economic Inclusion Vice President - Messer

Economic Inclusion Results

ECONOMIC INCLUSION



Percentage of workforce living within the 26-county Consolidated Metropolitan Statistical Area*

* There are no local residency participation goals for the project.

Combined Minority and Women Workforce Participation

Female: 0.59%
Minority: 8.78%

Disadvantaged Business Enterprise (DBE)

Goal/participation varied by project, between 4% and 9%.

Economic Inclusion Strategies

- + Messer's commitment to Economic Inclusion and the established SBE, MBE, WBE goal for the project
- + Overview of Economic Inclusion requirements for the Project Basis of Award
- + Certification required for all bidders for their specific scope of work
- + Monitoring, tracking & reporting

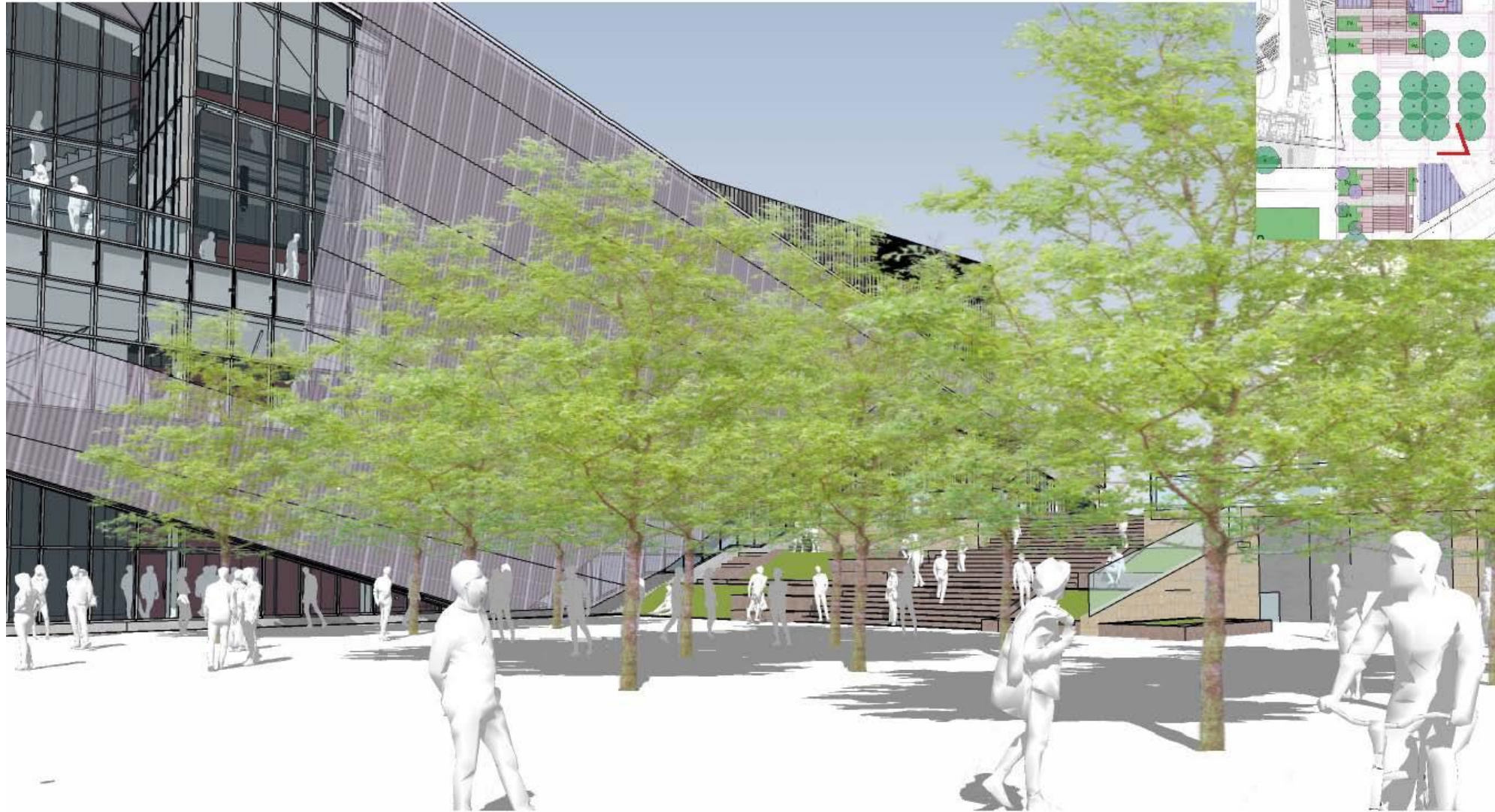
City of Cincinnati Certification Program

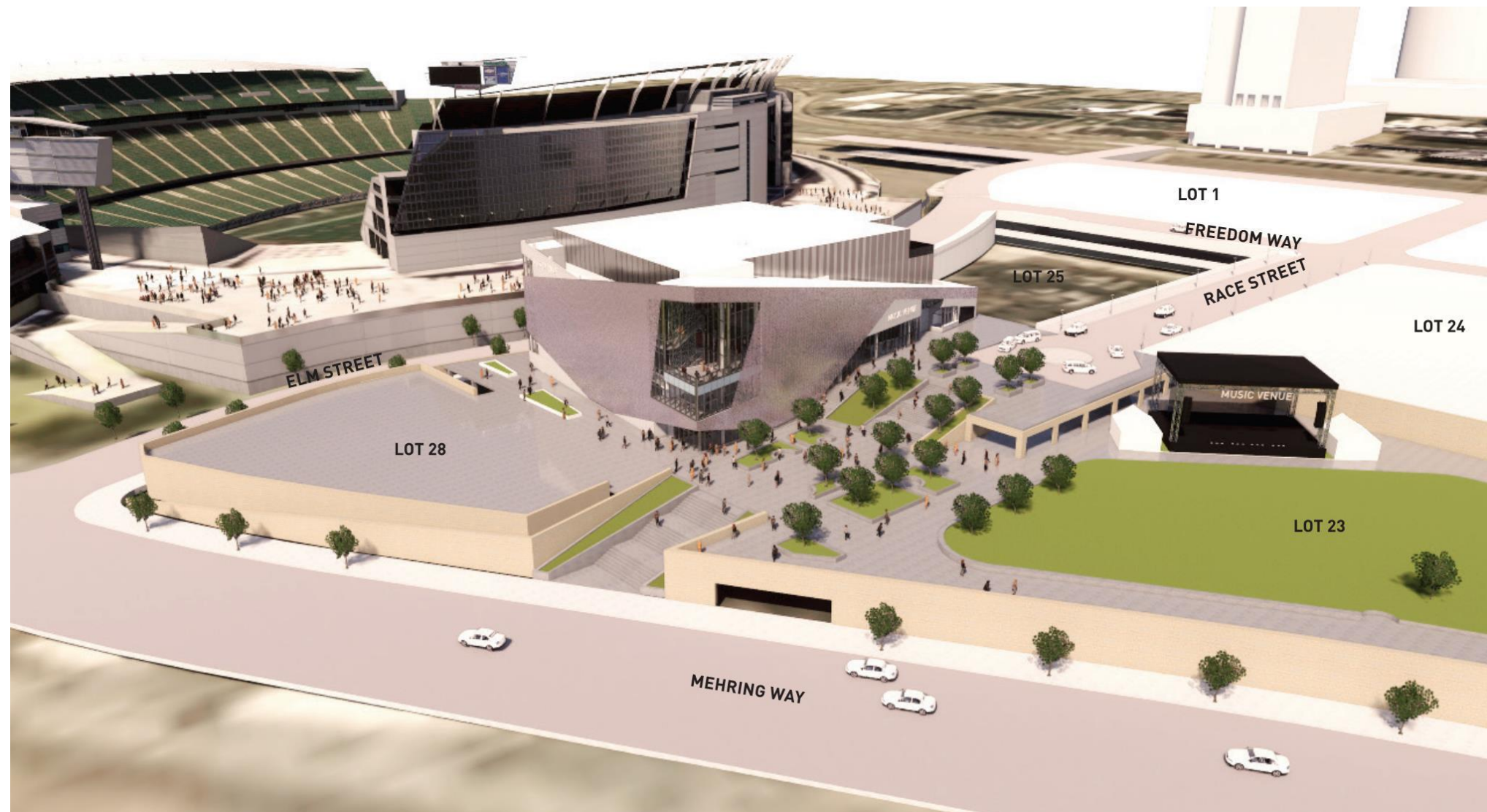
- + SBE - Small Business Enterprise
- + MBE - Minority Business Enterprise
- + WBE – Women Business Enterprise
- + The Banks SBE- The Banks Small Business Enterprise

Construction Project Overview

The Banks Phase IIIB Infrastructure & Park

Kyle Buchhalter, Project Manager – Messer









Bid Package #6

TC-09:

- + Granite
- + Decorative Railings
- + Furnishings
- + Landscaping
- + Irrigation
- + Plumbing
- + Electric
- + Artificial turf

TC-10:

- + Expansion Joints
- + Waterproofing
- + Topping slabs
- + Crash walls
- + Bollards
- + General Trades –
Dumpsters, port-o-lets,
fencing maintenance

Bid Package #6

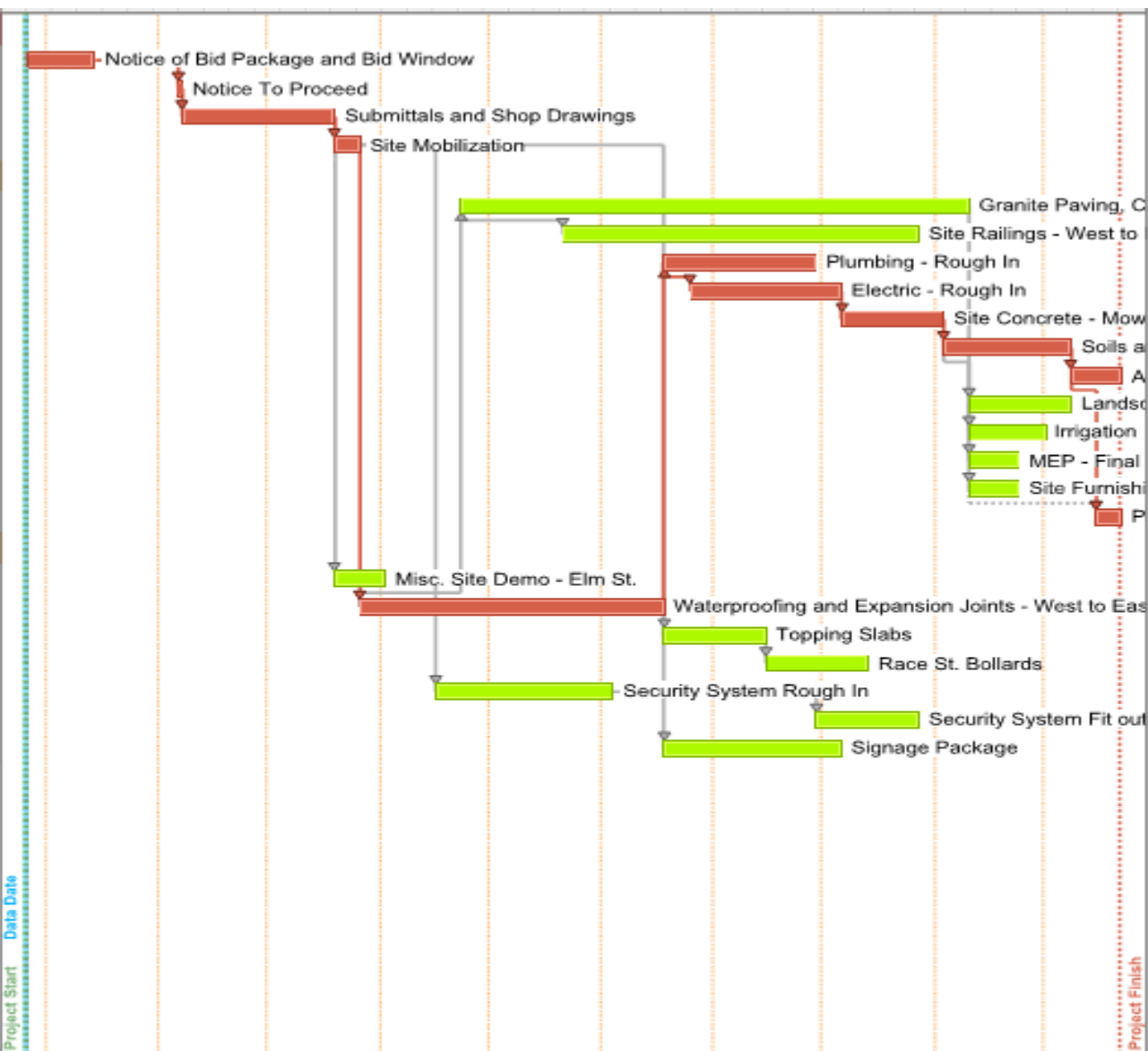
10	Notice of Bid Package and Bid Window	15	02/24/20	03/13/20
20	Notice To Proceed	1	04/06/20	04/06/20
30	Submittals and Shop Drawings	30	04/07/20	05/18/20
40	Site Mobilization	5	05/19/20	05/25/20

TC-09

55	Granite Paving, Cladding, and Stairs - V	100	06/23/20	11/09/20
57	Site Railings - West to East	70	07/21/20	10/26/20
60	Plumbing - Rough In	30	08/18/20	09/28/20
70	Electric - Rough In	30	08/25/20	10/05/20
80	Site Concrete - Mow band, Curbs, Etc.	20	10/06/20	11/02/20
90	Soils and Subgrade	25	11/03/20	12/07/20
95	Astro Turf	10	12/08/20	12/21/20
100	Landscaping - Plantings, Trees, Mulch -	20	11/10/20	12/07/20
102	Irrigation	15	11/10/20	11/30/20
105	MEP - Final Fixtures	10	11/10/20	11/23/20
110	Site Furnishings	10	11/10/20	11/23/20
120	Park Complete - Final Clean	5	12/15/20	12/21/20

TC-10

45	Misc. Site Demo - Elm St.	10	05/19/20	06/01/20
50	Waterproofing and Expansion Joints - W	60	05/26/20	08/17/20
52	Topping Slabs	20	08/18/20	09/14/20
53	Race St. Bollards	20	09/15/20	10/12/20
54	Security System Rough In	35	06/16/20	08/03/20
56	Security System Fit out, Testing, Comm	20	09/29/20	10/26/20
58	Signage Package	35	08/18/20	10/05/20



Start Date: 02/24/20
 Finish Date: 12/21/20
 Data Date: 02/24/20
 Run Date: 02/18/20

The Banks Phase 3B
 Bid Package #6
 Bid Schedule
 2-18-2020

Bid Requirements

- + Where to Obtain Bid Documents
- + Get pre-qualified
- + Messer Business Portal: <https://messer.service-now.com/csm>
- + City Portal:
 - + City of Cincinnati SBE and The Banks SBE Registration:
DEI@cincinnati-oh.gov
 - + Hamilton County Bid Registration:
<https://prod.bidsync.com/hamilton-county>

Important Contacts

For questions related to:

- + City of Cincinnati SBE and The Banks SBE Registration

DEI@cincinnati-oh.gov

- + Hamilton County Bid Registration

<https://prod.bidsync.com/hamilton-county>

- + Project Specific Details:

- + Rob Enderle, Senior Project Manager renderle@messer.com

- + Kyle Buchhalter, Project Manager kbuchhalter@messer.com

Questions & Answers

**Thank
You!**

The Banks Phase IIB Infrastructure Park
Economic Inclusion Outreach Session Attendee List 2.25.20

Company:	First Name:	Last Name:	Email Address:	Phone:	City:	State:	ZIP Code:	Certification	Please tell us the services your company provides.
Allison Landscape	Todd	Allison	todd@allisonlandscaping.com	513-616-4614				SBE	Landscaping
Allison Landscape	Jourdan	Sullivan	jourdan.sullivan@allisonlandscaping.com	513-922-1313				SBE	Landscaping
Avenue Fabricating	Lauren	Nichols	lnichols@avenuefabricating.com	513-752-1911				WBE/SBE	Bridge, structural, and miscellaneous metal fabrications
Brighter Day Outdoor Services	Christopher	Cureton	brighterdayoutdoorservices@gmail.com	513-813-8891					
C&C Reinforcing LLC	Curtis	Hollywood	ccconstruction513@gmail.com	513-479-5508				SBE	
CHC Manufacturing	Keith	Overfield	keith.overfield@chcmfg.com	513-821-7757					Full-service miscellaneous iron contractor
Dalton Protection Inc.	Ken	Crouse	kcrouse@daltonprotection.com	937-219-1718	Medway	Ohio	45341	WBE	Waterproofing, joint sealants, expansion joints, firestopping
DELTA Electrical Contractors	Ashley	Scheidt	ashleys@deltaelectrical.us	513-305-5774	Cincinnati	Ohio	45232	SBE/WBE	Electrical
Elite Contracting & Consulting Services LLC	Jermaine	Rochelle	eliteccserv@gmail.com	513-399-3322	Cincinnati	Ohio			
Gardening With The Spirit	Samuel	Abu Bakr	samuel.abubakr@yahoo.com	513-344-3435					Landscaping
Hamilton County The Banks Project	Andra	Conaty	andra.conaty@hamilton-co.org	513-946-3894	Cincinnati	Ohio	45202		Hamilton County
Hamilton County The Banks Project	Joan	Buttner	joan.buttner@hamilton-co.org	513-946-3893	Cincinnati	Ohio	45202		Hamilton County
MBJ	Monroe	Barnes		513-305-7000					Construction Manager
Messer Construction Co.	Sonya	Walton							General Contractor
Messer Construction Co.	Steve	Eder							General Contractor
Messer Construction Co.	Kyle	Buchhalter	kbuchhalter@messer.com	937-903-3142	Cincinnati	OH			General Contractor
Messer Construction Co.	Natasha	Moffitt	nmoffitt@messer.com	513-482-5362	Cincinnati	OH	45206		General Contractor
Messer Construction Co.	Damien	Rushing							General Contractor
The Motz Group	Chris	Larbes	bheff@themotzgroup.com	513-254-4517					Synthetic turf and natural grass sports fields
Progressive Stone	John	Rupp	jrupp@progressivestone.com	317-823-2799					Stone fabrication and installation
Progressive Stone	Bill	Babb	bill@progressivestone.com	317-716-9957					Stone fabrication and installation
Prus Construction	David	Crawford	dcrawford@prus.us	513-200-5123				SBE	Architectural and structural concrete
R.I.W. Ornamental Metal, Inc.	Sheri	Bomkamp	sbomkamp@riwornamental.com	859-466-0370	Wilder	Kentucky	41071	MBE/WBE/SBE	We specialize in high end SS, aluminum, glass & cable railing systems with a reputation for quality craftsmanship and reliable installation services.
Sauerwein Welding	Tim	Sauerwein	tim@swelding.com	513-203-7046	CINCINNATI	Ohio	45215	SBE	Fabrication, Arches, Railings , Ect
Security Fence Group	Steve	Deck	steve@sfence.com	513-617-0788	Cincinnati	Ohio	45223	WBE/SBE	Fence & Gates, Guard Rail, Vehicular Gate Automation, Wire Mesh Partitioning, Flagpoles, Traffic Signage
Spectra Scapes	Benny	Muncy	spectrascapes@yahoo.com	513-728-5115	North Bend	Ohio	45052	SBE	Landscape & Irrigation
The Banks	Phill	Beck							The Banks
The RCF Group	David	Johnson	david.johnson@thercfgroup.com	513-767-8856	West Chester	Ohio	45036	MBE	Landscape/Irrigation/Moves/Furniture/Sound Masking/Flooring/Moveable Walls/ Much more
The RCF Group	Vanessa	Terry	vanessa.terry@thercfgroup.com	513-460-0773	West Chester	Ohio	45069	MBE	Landscape
Universal Contracting Corporation	Kyle	Pettit	kpettit@unicon.cc	513-312-0183	Cincinnati	Ohio	45216	SBE	General Contracting, Construction Management, Pre-Constructon, Design Build, Green Building, Self-Performance
Welling	Joe	DeFrain	joe@wellinginc.com	513-793-6900	Cincinnati	Ohio	45242	WBE	Metal fabrications, sealants & waterproofing, window treatments

The Banks – Phase 3B
Public Infrastructure Development – Phase 3B – Lot 23/27 Garage & Race St. Turnaround
Bid Package #6 – Lot 23 Park, Lot 23/27 garage Signage and Security
March 6, 2020
THP #98090.38

ADDENDUM #1

PROJECT MANUAL:

1. Section 001000.4 - Bid Form: (Document Reissued)
 - Added Allowance verbiage and combined bid.
2. Section 011100 - Summary of Work: (Document Reissued)
 - Update Scope.
3. Section 012100 - Allowances: (Document Reissued)
 - Allowance had a typo.
4. Section 015000 – Construction Facilities and Temporary Controls: (Document Reissued)
 - Changed TC number.

DRAWINGS:

1. Drawing C101: (Drawing Reissued)
 - Updates to Note 13 and additional Note 14.
2. Drawing A102B: (Drawing Reissued)
 - Bollard location updates in Bulletin #10.
3. Drawing A103B: (Drawing Reissued)
 - Bollard location updates in Bulletin #10.
4. Drawing A110: (Drawing Reissued)
 - Bollard location updates in Bulletin #10.
5. Drawing A111: (Drawing Reissued)
 - Bollard location updates in Bulletin #10.
 - Additional light pole locations.

6. Drawing A114: (Drawing Reissued)

- Key Plan Added and revisions per clouded areas.
- Updated Base Plate Details

7. Drawing A115: (Drawing Reissued)

- New Details 6, 7, 8 and 9.

8. Drawing A250: (Drawing Reissued)

- Add Reflected Ceiling Plan.

9. Drawing A251: (Drawing Reissued)

- Update roof depths for can lights, etc.
- Stone at stairs.

10. Drawing A252: (Drawing Reissued)

- Update roof depths for can lights, etc.

11. Drawing A253: (New Drawing)

- Not originally issued in B.P.#6.

12. Drawing A270: (Drawing Reissued)

- Railing, granite coping, and sandstone cladding updates.

13. Drawing A271: (Drawing Reissued)

- Bike runnel detail added.

14. Drawing A290: (Drawing Reissued)

Rail and granite updates.

15. Drawing A291: (Drawing Reissued)

- Rail and granite updates.

16. Drawing A292: (Drawing Reissued)

Rail and granite updates.

17. Drawing L101: (Drawing Reissued)

- Updates per clouded area.

18. Drawing L200: (Drawing Reissued)

- Updates per clouded area.

19. Drawing L300: (Drawing Reissued)

- Updates per clouded area.

20. Drawing L400: (Drawing Reissued)

- Updates per clouded area.

21. Drawing E002: (Drawing Reissued)

- Added fixture 'F1' to luminaire schedule.
- Removed fixture 'B1' from luminaire schedule.
- Revised dimension on S1 on luminaire schedule.

22. Drawing E005: (Drawing Reissued)

- Updated Detail 3 - Automatic Lighting Controls.
- Updated Detail 5 - Lighting Control Panel Single Line.
- Removed lighting control number 1 from controls schedule.

23. Drawing E200: (Drawing Deleted)

- Delete Sheet E200 from Bid Package 6. All work associated with this sheet will be issued on a bulletin for Bid package 5.

24. Drawing E201: (Drawing Reissued)

- Added 'PL1' fixtures with controls and conduit.
- Added conduit to new PL1 fixture on Sheet 'E202'.
- Added note 14 on sheet for Driver serving handrails.

25. Drawing E202: (Drawing Reissued)

- Added 'F1' fixtures circuited with 'S1' fixtures.
- Added 'PL1' fixture near benches on stair landing.
- Revised Plan Note '1'.

26. Drawing SW102B: (Clarification)

- Revise Key Note #17: "EXPANSION JOINT BY OTHERS" to: "EXPANSION JOINT – REFER TO MUSIC VENUE DRAWINGS."

27. Drawing C800: (New Drawing)

- Standard light poles, fixtures, and associated wiring added to scope.

28. Drawing C801: (New Drawing)

- Standard light poles, fixtures, and associated wiring added to scope.

29. Drawing C802: (New Drawing)

- Standard light poles, fixtures, and associated wiring added to scope.

30. Drawing C803: (New Drawing)

- Standard light poles, fixtures, and associated wiring added to scope.

31. Drawing TY001: (Drawing Reissued)

- Revise drawing index to incorporate new sheet TY111A.

32. Drawing TY101B: (Drawing Reissued)

- Add Code Note 19.

33. Drawing TY111A: (New Drawing)

- Added sheet TY111A STREET LEVEL CCTV PLAN – WEST to depict revisions to existing wireless network node BW02.

34. Drawing TY501: (Drawing Reissued)

- Revise coded note 3 to add two (2) new LC connector panels to the existing fiber optic patch panel at Aggregation Point D. Added coded note 23 to include fiber optic patch cables.

SPECIFICATIONS:

1. Section 282300: (Reissued)

- Added paragraph 2.11 WIRELESS ETHERNET BRIDGE to incorporate the requirements for the new wireless node in Lot 23 and at existing wireless node BW02.

ATTACHMENTS:

1. Section 001000.4 - Bid Form
2. Section 011100 - Summary of Work
3. Section 012100 - Allowances
4. Section 015000 – Construction Facilities and Temporary Controls
5. Sheet C101.
6. Sheet A102B.
7. Sheet A103B.
8. Sheet A110.
9. Sheet A111.
10. Sheet A114.
11. Sheet A115.
12. Sheet A250.
13. Sheet A251.
14. Sheet A252.
15. Sheet A253.
16. Sheet A270.
17. Sheet A271.
18. Sheet A290.
19. Sheet A291.
20. Sheet A292.
21. Sheet L101.
22. Sheet L200.
23. Sheet L300.
24. Sheet L400.
25. Sheet E002.
26. Sheet E005.
27. Sheet E201.
28. Sheet E202.
29. Sheet C800.
30. Sheet C801.
31. Sheet C802.
32. Sheet C803.
33. Sheet TY001.
34. Sheet TY101B.
35. Sheet TY11A.
36. Sheet TY501.
37. Specification 282300.

End

BID FORM

ACKNOWLEDGMENT OF BIDDER:

Submitted by: _____
(enter company name here)

TO: The Board of County Commissioners, Hamilton County, Ohio
 Hamilton County Purchasing Department
 Room 507, County Administration Building
 138 East Court Street
 Cincinnati, Ohio 45202

We, the undersigned, having visited the site, carefully studied the local conditions affecting the cost of the work, and having thoroughly examined the Bidding Documents, consisting of the Instructions to Bidders, this Proposal Form, Bonding Requirements, Contract Form, General and Supplementary Conditions, Technical Specifications, Drawings, and Addenda for the Project titled:

The Banks - Phase 3B
Public Infrastructure Development – Parking Garage and Streetgrid
**Bid Package #6 –Lot 23 Park, Lot 23/27 Garage Signage &
Security**
TC-09 Lot 23 Park
TC-10 Lot 23/27 Garage Signage and Security

prepared by THP Limited, Inc., 100 East Eighth Street, Cincinnati, Ohio 45202, for the Board of County Commissioners, Hamilton County, Ohio, and the City of Cincinnati, Ohio solely with respect to the Lot 23 park (collectively, the "Owner"), do hereby propose to perform all work required to be performed, and to provide and furnish equipment, transportation services, and temporary installations necessary to perform and complete, in a workmanlike manner, such items of work hereinafter designated by and for the sum of money set forth for said items.

ACKNOWLEDGMENT OF ADDENDA:

The undersigned acknowledges receipt of the following Addenda to the Contract documents (indicate Addendum Number and Issue Date):

Addendum No. ____	Date: _____	Page(s): _____
Addendum No. ____	Date: _____	Page(s): _____
Addendum No. ____	Date: _____	Page(s): _____
Addendum No. ____	Date: _____	Page(s): _____
Addendum No. ____	Date: _____	Page(s): _____
Addendum No. ____	Date: _____	Page(s): _____

A. BIDDER AGREEMENTS:

The undersigned Bidder Agrees:

1. To accept the provisions of these Instruction to Bidders, General Conditions, Supplementary Conditions and Division 1 of the Specifications.
2. To provide and include a Bid Guaranty and Contract Bond as dictated in the Legal Advertisement.
3. That the amounts stated in this Proposal Form represents the entire cost of the work. The completion time stated represents the entire time for performance of the work. The amount bid includes allowances for all fees for permits, taxes and insurance required or applicable to the work. That no claims will be made for any increases in wage scales or material costs.
4. To certify that this bid is genuine not sham or collusive or made in the interest or in behalf of any person not herein named, and that the undersigned has not directly or indirectly induced or solicited any other bidder to put in a sham bid, or any other person, firm or corporation to refrain from bidding and that the undersigned bidder has not in any manner sought by collusion to secure for himself and advantage over any other bidder.
5. And certifies that (we) (he) (they) (has) (have not) previously performed work subject to the President's Executive Order No. 11246.
6. That this bidder will comply with all City, State, and Federal Statutes relating to Liability Insurance, Working Hours, Minimum Wages, Safety and Sanitary Regulations, which in any way may affect those engaged or employed on the work in the event that the award of the Contract is made on the Proposal herein submitted.
7. That the bidder will comply with any new laws or acts regulating public buying procedures.
8. Refer to additional instructions for bidder registration process (See Article 9 in Supplementary Instructions to Bidders).

BID FORM STIPULATIONS:

1. The wording of this proposal shall be used throughout, without damage, alteration or addition. Any change in wording may cause it to be rejected.
2. Include all required forms.
3. Bid amounts shall be provided in both words and figures. The worded amount shall govern in the case of discrepancies or in cases of error in extending the total amount of the bid, the unit price may govern.
4. In the event that qualified bidders submit equal bids (to the penny) and are deemed the lowest and best bidders for that trade's bid, those bidders agree to let the award of the contract to the bidder to be selected by the current "tied bid" procedures used by the Hamilton County Purchasing Department.

5. The Owner reserves the right to reject any or all bids and, unless otherwise specified by the bidder, to accept any item in the bid.

C. ALLOWANCES:

The Owner may after the bids are opened add an allowance to the contract at its own discretion. This allowance shall be added to the contract and so denoted in the contract in section 7.6. Any allowances added by the Owner shall be for incidentals associated with this project. If unused, during the project all allowance monies shall be returned to the Owner at the end of the project or at the request of the Owner.

A. General:

1. Work related to cash allowances will be performed on a time and material basis. The Contractor shall furnish and certify daily detail records of all labor and materials provided.
2. If the cost to complete the work is less than the cash allowance, a deduct Change Order will be prepared by the County for the cost difference.

B. Cash Allowance Items:

1. Trade Contract TC-09 Cash Allowance No. 1: \$550,000
2. Trade Contract TC-10 Cash Allowance No. 2: \$300,000

D. AWARDING:

The selection process includes but is not limited to:

1. The results of the evaluation where Owner selects a bidder(s) who it determines to be the Lowest and Best Bidder(s) meeting all required specifications.
2. The Lowest and Best determination shall be based on the Base Bid or Combination Bid first then any accepted Alternates. Accepted Alternates must not exceed the published estimate by 10% or the current Ohio Revised Code stipulation for public bidding.
3. A Base Bid must be submitted prior to bidding any Alternate bids. If a bidder does not bid all of the alternates, unit prices or options the Owner may still consider the proposal and judge it equally to determine which proposal is Lowest and Best and in the best interest of the Owner.
4. Substitutions not approved prior to the bid opening cannot be used in the determination of the Lowest and Best bid determination.
5. If Owner and the bidder are unable to successfully come to terms regarding the bid and the subsequent contract, Owner reserves the right to terminate contract discussions with the bidder(s) and select the next apparent low bidder.

Owner reserves the right to:

1. Reject any or all bids.
2. Waive any informality in the bids.
3. Eliminate conditions or terms that are not in the best interest of the Owner and its residents.

E. ADDITIONAL BID REQUIREMENTS:

The Bidder is instructed to review the "Summary of Work" for information on "Time of Completion", "Work Hours", "Permits" and "Prime and Sub-Contractors Assignments". The "General Conditions" and "Supplementary Conditions" for information on "Asbestos" and the "Legal Advertisement" for information on "Pre-Bid Meetings".

F. BID PROPOSALS:

Bidder's Name: _____

Each bidder is required to fill out all entries in the proposal section. Enter "NO BID" where no bid will be entered for this proposal, *provided that* each bidder submitting a combined bid must submit a bid for all entries in the proposal section.

BASE BID – TC-09 Lot 23 Park	
TOTAL COST	LUMP SUM
Includes Cash Allowance No. 1 of \$550,000	\$
(enter amount in words)	(enter amount in numbers)

For reference only provide a breakdown of the total prices listed in the Base Bid. This breakdown is solely a reference tool to be used by the Owner and shall not enter into the determination of the winning bidder for this project. The summation of the lines below should equal your total price listed above.

Base Bid Material: \$_____ (in numbers)

Base Bid Labor: \$_____ (in numbers)

Base Bid Allowance: \$550,000_____ (in numbers)

BASE BID – TC-10 Lot 23/27 General Trades	
TOTAL COST	LUMP SUM
Includes Cash Allowance No. 2 of \$300,000	\$
(enter amount in words)	(enter amount in numbers)

For reference only provide a breakdown of the total prices listed in the Base Bid. This breakdown is solely a reference tool to be used by the Owner and shall not enter into the determination of the winning bidder for this project. The summation of the lines below should equal your total price

listed above.

Base Bid Material: \$ _____ (in numbers)

Base Bid Labor: \$ _____ (in numbers)

Base Bid Allowance: \$ 300,000 (in numbers)

COMBINATION BID – TC-09 Lot 23 Park; TC-10 Lot 23/27 General Trades	
TOTAL COST	LUMP SUM
Includes Cash Allowance No. 1 of \$550,000 and Cash Allowance No. 2 of \$300,000 (\$Total Case Allowance - \$850,000)	\$ _____
(enter amount in words)	(enter amount in numbers)

For reference only provide a breakdown of the total prices listed in the Combination Bid. This breakdown is solely a reference tool to be used by the Owner and shall not enter into the determination of the winning bidder for this project. The summation of the lines below should equal your total price listed above.

TC-09 Combination Bid Material: \$ _____ (in numbers)

TC-09 Combination Bid Labor: \$ _____ (in numbers)

TC-09 Combination Bid Allowance: \$ 550,000 (in numbers)

TC-10 Combination Bid Material: \$ _____ (in numbers)

TC-10 Combination Bid Labor: \$ _____ (in numbers)

TC-10 Combination Bid Allowance: \$ 300,000 (in numbers)

G. ALTERNATES: None

H. UNIT PRICING:

A. General:

1. Unit Price shall be used for adjusting the cost of work added to or deducted from the Base Bid Work defined in the Specifications and Drawings.

- a. The Contractor shall furnish and certify daily detail records of all labor and materials provided.
- b. Unit Prices shall be inclusive of all costs for overhead, profit, fees, taxes (where applicable), handling, and installation for completed in-place work.
- c. Unit Prices for TC-09-Labor Rates shall be as set forth in Section 012200-Unit Prices, Paragraph 1.3.A.3.

B. Trade Contact TC-09 Unit Price UP-01 (A single Add/Deduct Concrete Per Cubic Yard including Reinforcing)

_____ Per Cubic Yard DOLLARS (\$_____)

C. Trade Contact TC-09 Unit Price UP-03 (A single Add/Deduct price per Square Foot for Granite Pavers installed {2" and 3"})

_____ Per Cubic Yard DOLLARS (\$_____)

I. Completion Dates:

It is understood and agreed that all Work to be performed under Contract TC-09 and TC-10 shall be completed in the timeframe as specified in Section 013216 following date set forth in Notice to Proceed with Work unless an extension of time is granted by the Owner in accordance with Contract Documents.

Bidder's Name: _____

All Prime Contractors hereby acknowledge and accept all responsibilities assigned to them by the General Conditions, Supplementary General Conditions, and Division One. All fees for supervision and coordination are included in the bids.

Bids submitted by virtue of this Proposal hereby are acknowledged by the Owner to be made under the conditions that the Bidder will not be prevented, on account of strikes or other disruptions affecting source of supply, from obtaining materials necessary to carry out his contract to complete the construction covered thereby.

It is understood and agreed by the undersigned that the Owner reserves the right to reject any and all bids.

It is agreed that this Proposal shall be irrevocable for a period of Sixty (60) days after receipt of same by the Owner at the Day and Place set forth in the "Legal Advertisement".

[] We have read and agree to the terms listed above.
(check here)

Firm Name: _____

() Corporation () Partnership () Sole Proprietorship (check one)

Authorized Offeror (print name): _____

Authorized Signature (sign name): _____

Title: _____

Official Address: _____

E-mail Address: _____

Telephone Number: _____

4838-2617-6438v2

SECTION 011100
SUMMARY OF WORK

PART 1 GENERAL

1.01 GENERAL PROVISIONS OF BID PACKAGE #6 TRADE CONTRACTS

- A.** The following summary is a description of work for all Contract Descriptions for THE BANKS – PHASE 3B, PUBLIC INFRASTRUCTURE DEVELOPMENT, PARKING GARAGE AND STREETGRID. Work related to the Project is as indicated on the Drawings and Specifications as prepared by THP Limited, Inc. This section describes and assigns work to each Contract as designated by the Construction Manager. Each Contractor shall cooperate and coordinate with all other Contractors for proper and expedient completion of the work in this Project. Each Contract Description identifies the major portions of Scope of Work to be performed by the Bidder in specific Contract Descriptions. This summary should in no way be construed as being all-inclusive. It is issued as a guide to aid in the assignment of work. Refer to the Drawings and Specifications for a detailed accounting of any work not explicitly specified or noted. Each Trade Contract Description lists specification sections included, in whole or in part, in that Contract Description. All work activities not explicitly specified or noted, but required to complete the work included in a Contract Description are a part of the work scope.

PART 2 TRADE CONTRACT DESCRIPTIONS

2.1 SECTION INCLUDES:

1. List of Trade Contracts
2. General Provisions of Bid Package #6 Trade Contracts
3. Contract Descriptions

2.2 LIST OF TRADE CONTRACTS

1. List of Bid Package #6 Trade Contracts:

TC-09	Lot 23 Park
TC-10	General Trades, Security, and Signage

2. General Provisions of Bid Package #6 Trade Contracts

- A. Each Contractor shall be responsible for the proper protection of adjacent structures and public rights of way.
- B. Prospective bidders are reminded that all of the contracts described herein contain specific Joint Policy for Small Business Enterprise, Economic Inclusion and Workforce Development for the Banks Project requirements.
- C. Each Trade Contractor shall comply with the Responsible Bidder Requirements specified in section 001000 and herein.
- D. All work is to comply with the rules and regulations of governing authorities having jurisdiction. Work shall be performed by skilled tradesmen having experience in performing the work.
- E. Storage of all materials is limited and must be approved by the Construction Manager. Offsite storage of material may be required. All costs associated with material delivery in small quantities, relocation of materials that impede work progress, and off site material storage must be included in the bid.
- F. A 48-HOUR NOTICE MUST BE GIVEN FOR DELIVERIES. IF NOTICE WAS NOT GIVEN DELIVERIES MAY BE TURNED AWAY. ALL COST ASSOCIATED WITH THIS ACTION WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. ALL DELIVERIES MUST BE COORDINATED & APPROVED BY THE CONSTRUCTION MANAGER. NO PARKING BY EMPLOYEES OR DELIVERY VEHICLES IS PERMITTED ON SITE. STORAGE, TOOL OR OFFICE TRAILERS WILL NOT BE PERMITTED ON SITE WITHOUT THE PRIOR APPROVAL OF, AND IN COORDINATION WITH, THE CONSTRUCTION MANAGER.
- G. Each Contractor is responsible to review the site and be familiar with all existing conditions within and around the building including local conditions and requirements. The impact of the site conditions on the cost of performing the work shall be included in the bid. Contractors shall notify the Construction Manager in writing of any discrepancies or conditions detrimental to proper performance of the Work.
- I. Each Contractor to provide to all other trades information and materials, shop drawings, diagrams, templates, and embedments necessary for the coordination of the Work. It is each Contractor's responsibility to field verify and coordinate all interface with other trades.

- J. Where new work connects with existing, do all necessary cutting and patching required to make a satisfactory connection with the work to be performed under the Contract Documents so as to leave the entire work in a finished and workmanlike condition. This requirement shall include all required work where new items connect, fit, or otherwise interface with existing surfaces. Provide all labor and materials to this end, whether or not shown or specified. Verify and match existing conditions. This shall include full block replacement to nearest construction expansion joint of any concrete pavement removed or damaged.
- K. Each Contractor shall at all times maintain a clean and safe passage to all areas of the site, and for the public around the site.
- L. Each Contractor shall field verify all dimensions, materials and conditions of the existing site.
- M. Initial benchmarks and control lines will be provided by the Construction Manager. Each Contractor is responsible for all detailed layout and grade from the indicated benchmark and control points.
- N. Each Contractor is to coordinate all work with the work of other trades for proper function and sequence to avoid construction delays or additional cost.
- O. Each Contractor is responsible for daily cleanup and disposal of all debris associated with its work activities. This shall include removal of debris from public property and/or roadways caused by work on site or carried outside of the site by vehicles employed by the Contractor. Street cleaning of this debris is expected by each Contractor, as necessary. Debris not removed by the Contractors will be discarded at the delinquent Contractor's expense. All areas of work are to be broom cleaned at the end of each work day. In addition to daily cleanup each Trade Contractor to provide 1 person for every 4 Trade Contractor employee and their subs to a once a week jobsite general cleanup activity. Each Trade Contractor to provide its worker with all the necessary tools and equipment to do cleanup. There will be no tools or equipment provided by the Construction Management organization. Coordination of the weekly cleanup will be the responsibility of the General Trades Contractor. Designated eating areas will be identified by the Construction Manager. These areas will be the only place for workers to eat and drink. Workers found violating this policy maybe directed to leave the jobsite.
- P. Each Contractor shall be restricted to working hours of 7:00am to 4:00pm unless alternate arrangements are approved by the Construction Manager. This does not alleviate the Trade Contractor's responsibility to work overtime as required to maintain the schedule.

- Q. Signs of any type are prohibited, except as specifically assigned by the Contract Documents.
- R. Each Contractor shall be responsible for the protection of its own materials, tools, equipment, and finish work until substantial completion is granted. Damage to or theft of any materials, tools or equipment prior to substantial completion will be repaired or replaced at the Contractor's expense.
- S. Each Contractor shall provide all temporary heat, utilities and protection required for the completion of all work as scheduled, except where specifically provided by others in the Contract Documents.
- T. Each Contractor shall have their superintendent attend all weekly Trade Contractor Meetings (time & location to be scheduled by Construction Manager).
- U. Each Contractor shall secure all permits required by governing authorities for the completion of its own work scope. This includes all Plumbing, HVAC, Traffic or permit that are issued by the City's Department of Transportation and Engineering, street barricade and other special permits. No Permits will be secured by the Construction Manager.
- V. Each Contractor shall submit daily reports and the weekly work plan twenty-four (24) hours before the weekly Trade Contractor meetings. Failure to submit these items each week for the prior week's work will result in rejection of this Contractor's pay request.
- W. Testing shall be performed in accordance with the Contract Documents. Where Owner and Contractor testing are specified, the Contractor shall provide complete testing. The Owner may provide additional testing at its discretion.
- X. Each Contractor is responsible for the complete review of, and coordination with, the Trade Contract Descriptions for other Contractors. Where overlap occurs, include the cost of such work in your bid, and the Construction Manager will decide which Contractor will perform this work. Appropriate credit will be deducted from the other Contractor's Contract.
- Y. Each Contractor must provide a full-time superintendent on site throughout the duration of their work on site. This superintendent shall be authorized to make all decisions relative to the work on site, and shall be the primary contact for all correspondence. Part time or token representatives who are not so authorized will not be permitted. Failure to comply with this requirement will result in rejection of this Contractor's pay request. Any change of superintendent shall be pre-approved by the Construction

Manager.

- Z. Time is of essence on this project. Each Trade Contractor shall phase, construct and complete their work within the requirements included in Specification Section 013216 and the subsequent development of and updating of the Banks Phase 3B – Bid Package 6 Schedule by the Construction Manager.
- AA. Each Contractor shall complete the Resource Utilization and Inclusion Tracking Forms that are included in the Specifications. The forms shall be completed on a monthly basis and submitted with the monthly pay request. Completed resource utilization forms must be submitted with the pay request in order for the pay request to be processed.
- AB. Each Contractor will be required to attend several phasing meetings pertaining to Lean Construction. Contractor shall have the appropriate personnel (more than one) attend the reverse phase scheduling meeting. Each Trade Contractor shall participate in the implementation of the Lean Construction process throughout the duration of the Project.
- AC. Safety hard hats, safety eye protection, High Vis, and Gloves shall be worn by all employees on this job site. This includes all of this Contractor's Subcontractors and Suppliers.
- AD. This Contractor shall comply with all requirements of the Williams-Stiger Occupational Safety and Health Act of 1970 and subsequent amendments thereto. This Contractor shall furnish to the Construction Manager a copy of its Safety Program, including a copy of its Hazardous Material Program, prior to the commencement of work on site. No payment will be made until these documents are received.
- AE. Any barricade or safety device removed by this Contractor's employees shall be immediately re-erected by Contractor. Upon failure to do so, the Construction Manager may direct the re-erection of it and the cost will be paid by the Contractor.
- AF. All shop drawings and submittals must be submitted within one week from Notice to proceed, unless otherwise specified. No pay request will be processed until all required submittals have been received.
- AG. Each Contractor shall provide personnel for traffic control and traffic coordination during all deliveries of material and equipment required in their scope of work. The Contractor shall coordinate all such activities with the Construction Manager and the City of Cincinnati, Department of Transportation and Engineering.
- AH. All portions of existing site and all utilities not part of the Work which are damaged, moved or altered in any way during construction shall be replaced

or repaired to the County's satisfaction at the Contractors expense.

- AI. Each Trade Contractor shall include in their Schedule of Values (G702) a line item for their Small Business Enterprise spending. Each SBE should be shown separately.
- AJ. Each Contractor shall attend the pre-award conference. This conference will be scheduled by the Construction Manager. All trade contractors shall be notified in writing of the date the conference will be held.
- AK. Each Contractor shall update their record / as-built drawings on a monthly basis, the updated as-built shall be submitted to the Construction Manager by the 20th of the month. If the Contractors as-builts are not updated and submitted, the Contractors pay request for that month will not be processed.
- AL. Each Trade Contractor shall make good faith efforts to meet and/or exceed the project workforce participation goals as outlined in Section 008260 page 15.
- AN. To facilitate the punch list process, each Trade Contractor must complete its punch list items within 3 business days (excluding weekends) of receipt (via fax, email, or distribution to the site leader) of each punch list item. Failure to complete the punch list will result in a back charge for the total cost, to have others complete the work as designated by the Construction Manager.
- AO. Trade Contractor to identify recycle and waste management opportunities when assessing their scope of work. These items will be reviewed at the pre-award meeting.
- AP. The flow of traffic on City streets and public walkways must be maintained at all times. It shall be this Trade Contractor's responsibility to obtain all permits and provide all labor and material that are necessary for street and sidewalk lane closures. All work involved that impacts existing streets and/or sidewalks or impedes public access in any way shall be coordinated through the Construction Manager **prior to the date of the work.**

AQ. The Construction Manager will be utilizing a web-based information management system to facilitate communications among project partners including but not limited to Owners, Architects, Engineers, Construction Manager, and Trade Contractors. The system being utilized is Viewpoint Teams document management software. All trade contractors must have an e-mail address and access to the internet. Viewpoint will be utilized for the following functions:

- Project Contact Directory- this will be maintained by the Construction Manager
- Requests for Information Management
- Meeting Minutes Distribution
- Posting of Official Notices and/or Communications
- Submittal Management
- Contract Document Management
 - Contract Drawings in PDF
 - Site Photographs
- Punchlist Management
- Field Work Order Management

The Construction Manager will issue user names and passwords to each Trade Contractor and will provide training and technical assistants to the user groups. Use of this system is mandatory. There will be no costs passed on to the users for access to the system or license fees. Users will be responsible for the costs associated with access to the internet.

AR. All Contractors shall use platform type ladders where ladders are necessary on this project. Other ladder types will not be allowed on site.

2. **A. CONTRACT DESCRIPTION TC-09: Lot 23 Park**

The Scope of Work in this Contract TC-09 includes all labor, material, tools, equipment, services, and supervision necessary to complete all work specified herein, in accordance with the Contract Documents, as described below to a complete functional safe and operating state.

Included is the Work as indicated in this Contract Description TC-09 the Drawings, the General Conditions and Division 1 of the General Requirements. This scope of work includes, but is not necessarily limited to, the following Specification Sections:

Bidding Requirements, Contract Forms and Conditions of the Contract

The following items represent specific inclusions in this Contract TC-09: Lot 23 Park. They are provided as a guide to aid in the assignment of work and in no way should be construed as being all-inclusive. BP#6 contains scopes of work with different wages rates and contracts. Please review or request additional information if it is unclear.

This Contract for the following scope of work will be with the City of Cincinnati

TC-09 includes multiple trades. Please review all trades listed below related to TC-09 scope of work.

The following shall be include:

1. All work associated with Lot 23 parks scope. Lot 28 Scope not to be included. Park scope is typically defined as any work above structural concrete deck and waterproofing.
2. Temporary Toilets, dumpsters, and site fencing to be by TC-10. Temporary fall fencing, plates, covers, etc to be included as required for this scope of work.
3. Concrete Topping slabs to be by TC-10
4. Waterproofing and expansion joints to be by TC-10
5. Site signage and security to be by TC-10
6. General Building Permit is provided by the Construction Manager. Any other required permits or licenses are the responsibility of this Trade Contractor for this work scope.
7. Geotechnical monitoring and testing services are provided by others. This Trade Contractor shall coordinate and assist in the inspection and testing of all work on a daily basis.

8. This Contractor shall include all excavation and backfill as needed. All borrow material or engineered fill shall meet the requirements of the specifications.
9. Contractor to include concrete structure on top of waterproofing including but not limited to light pole bases, mow strip, misc. and foundations located within the park shall be included as part of this trade contract. Reinforcing steel shall be provided as part of this work scope. The Concrete structural podium by TC-04. Race St. Topping slabs and expansion joints by others.
10. Expansion joint and compression seals are not included in this scope of work. Waterproofing by others. Coordination with waterproof installer to be included. Assure no damage to waterproofing while installing TC-09 scope of work.
11. This contractor is responsible for providing all sealants, sealers and admixtures as required for the Parks scope of work.
12. This contractor is to include coordination with all trades for sleeves. This contract to include installation of all sleeves required for TC-09. Include coring for all locations missed. This contractor to be responsible for reinforcing details located at sleeved opening per the documents. Each Trade Contract is to be responsible for their own sleeve installation. This contractor is responsible for maintaining sleeve locations and orientation before and during concrete pours, granite installation, etc.
13. This Contractor shall provide a complete electrical scope as shown within the documents for all park level including but not limited to conduit, wire, light fixtures, light poles, lighting controls, panels, and all associated shut downs.
14. This contractor shall provide a complete plumbing scope installation. To include but not limited to domestic water line from Lot 22, booster pumps, back flows, drinking fountains, irrigation connection, heat trace system, under drains, etc. Drain bodies shown cast into structural podium/tree pits by TC-04. Final connection or adjustment by TC-09. Fire suppression will be by TC-07.
15. Contractor performing work must have all licenses and certifications as required by the specifications and/or authorities having jurisdiction.
16. Provide and maintain temporary protection and plates to maintain safe access across site. Protection of work as required to assure quality.
17. This contractor shall provide temporary safety railing around or protective floor cover over openings in the concrete slabs as required to meet OSHA standards. This includes covers over the sleeve openings.
18. Spoil/trash removal for this work scope is the responsibility of this Trade Contractor. All materials are to be removed from site and legally disposed. Dumpsters provided by TC-10.

19. Temporary water and temporary power required for this work scope shall be the responsibility of this Trade Contractor. TC-08 to provide temporary power stations at ground level.
20. Dewatering as required to complete this work scope shall be the responsibility of this Trade Contractor. All open holes/excavations shall be kept clean and free from water as required by the contract documents. This Trade Contractor shall provide barricades or other measures to protect the public and other workers on site from a fall hazard into holes.
21. This Trade Contractor shall include all reinforcing steel as required for a complete, correct installation.
22. All deliveries, hoisting and rigging into place are to be provided by this Trade Contractor as required.
23. This Trade Contractor shall be responsible for dust control as required for this work scope.
24. Traffic control for this work scope is the responsibility of this Trade Contractor.
25. No washing of the chute will be permitted on site. Wash out of the concrete truck to be done at the batch plant. This contractor is responsible for clean-up of all dunnage from deliveries and hauling off-site within a timely manner.
26. Provide all layout and engineering from control points and benchmarks provided on survey drawings.
27. This Trade Contractor shall include any necessary permits required for temporary road shutdowns if required to perform this work scope.
28. All hoisting and storage associated with this Trade Contract is to be included in this work scope.
29. Reference Section 017419 for removal of all debris.
30. When doing utility work, all work shall be done by an approved contractor as identified by that utility company.
31. This Trade Contractor shall include backfill/soils as identified to meet the specification requirements.
32. The temporary plywood protection shown at the existing garage will be provided and maintained by others.
33. This Contractor shall provide all hangers and inserts as required for a complete, correct installation.
34. Contractor to include Site furnishings and installation per manufacturer requirement/details.
35. Furnish and install all wood/metal blocking as noted and/or required. The temporary plywood protection shown at the existing garage will be maintained and removed at the end of the project by TC-05. Precautions to be made to not damage existing conditions of garage. Patch and repair if damage occurs.
36. All removals and demolition shown on C102 are provided by others.
37. Garage deck expansion joint system is provided by others.
38. A thorough cleaning having the necessary equipment and materials is to be provided for as a form of final cleaning and acceptance, as

required prior to turn over.

39. This Trade Contractor shall include all off hours work required for the specific tie-ins
40. Contractor to include work as shown for East Side granite ramp. Ramp demo and concrete scope to be by TC-10. Granite Finishes to be by TC-09
41. Donor wall modification scope to be included in TC-09. Misc. Demo as required for proper tie ins etc to be provided.
42. Furnish and install all elevator head house claddings, wood, zinc, trim, and down spouts. Roofing material and installation by TC-05.
43. Provide all applicable warranties, maintenance, etc per the construction documents.
44. This Trade Contractor shall include a \$ 550,000 allowance to account for potential design changes initiated by the Owner.

TC-09 Ornamental Metals and Misc. Metals

1. Furnish and install all non-stainless and Stainless steel railings and guards, non-stainless bollards, gratings, etc per the construction documents at Park level. Park level is defined as elevated podium deck.
2. Furnish and install all stainless steel railings, guards, and bollards (including concrete infill). Railings, bollards, and misc. metals shown on Slab on Grade by TC-06. Heavy Crash railing on grade and at North West Corner of Lot 23 by TC-06.
3. Verify bolt pattern for installed by the Solid Stainless bollards. Anchors to be provided and installed by TC-04. Coordination to be included.
4. Elevator Head House Stair Railings and Stair Railings at Lot 23/24 stair by TC-06.
5. Railings located on Lot 27 to be included.
6. Rework of existing Elm St. Railing to be included.
7. Furnish and install all grouting under all misc. and structural metals including but not limited to handrails, railings, and bollards. Installation of new handrails to be coordinated with the removal of temporary handrails – at no time is a safety hazard to be experienced.
8. Miscellaneous metals are included in this Bid Package. Any anchorages, embed plates, anchor bolts, and the like that are required to be embedded in the concrete are also to be furnished and installed. Include all pipe rail, embedded angles, beams, bollards etc. Include pipe guards as shown on the plans, guardrails and handrails.

TC-09 Electric

1. This Contractor shall furnish and install power to all equipment/fixtures. Hook up all equipment/fixtures at the machine and/or disconnect panel is to be provided for. Provide all fuses and disconnects required – per code to make equipment operational.
2. Furnish and install all conduit and wiring for lighting
3. Furnish and install concrete curbs and pads for equipment as needed and/or as required by code.
4. This Trade Contractor shall include all off hours work required for the specific tie-ins and or shutdowns for this Bid Package.
5. This Trade Contractor will be responsible for fire stopping and sealing of penetrations through fire rated and non-rated construction. This Trade Contractor to submit UL drawings on how they plan to handle each different type of penetration through rated partitions. These details are to be strictly adhered to in the field and each penetration is to be labeled with the UL number.
6. Trade Contractors responsibility to coordinate all work and provide all conduit, anchor bolts etc. as required for light pole to function as designed.
7. Contractor to provide and install light poles located in Lot 23. Race St. Poles by TC-10.

8. Provide a pull string for all empty conduits that are to be installed.
9. Contractor to provide lighting submittals, schedule, and delivery dates within 2 week of contract.

TC-09 Plumbing

1. Lot 23 NPW 2" water tap, meter set, piping, meter pit, etc to be included by **TC-04**. Line to be stubbed up on lot 23 column with a valve and cap for future tie in.
2. Include domestic water line and tie in from Lot 22.
3. Install double check valve for NPW with drain down valving.
4. Include under drain loops, lines, etc where shown.
5. Include all drains not cast into the structural deck.
6. Include slot drains per documents.

TC-09 Granite

1. Furnish and install complete granite scope per the construction documents. To include but not limited to: granite pavers, stair treads, seat walls, cladding, decorative features, etc.
2. Granite to match existing Smale Park standard color, texture, and quarry. Samples to be provided and approved prior to material release.
3. Granite installation to be sequenced with waterproofing installation. Waterproofing by Others.
4. Granite pavers thickness as shown on the drawings.
5. Mortar, setting beds, polymeric sand, and other installation materials to be included.
6. Material and installation to be delivered and installed in phases/sequences as the project progresses.
7. On site storage is limited. Limited lay down areas for granite to be provided within Lot B gravel area. Additional areas maybe available but are not guaranteed.
8. Include alteration of existing donor wall. Work to include removal, demo, pour back, add new stone and Re-clad as required per construction documents.
9. Remove existing granite per the construction documents, store, clean, and reinstall as shown.
10. Include stone cladding at Elevator head house

TC-09 Artificial Turf

1. Furnish and install a complete artificial turf system per the construction documents.
2. This contractor to provide subgrade per manufacturers recommendations
3. Include underdrain in lawn area.
4. Include warranty as specified.

TC-09 Landscaping/Irrigation

1. Furnish and install complete landscaping and irrigation system.
2. Soil, trees, plants, shrubs, etc to be included. Tagging of species to be regionally source and approved with architect and owner present.
3. Planting materials to be transplanted in appropriate seasons to maintain proper warranties.
4. Mulch and sod to be included where applicable.
5. Include irrigation system at applicable tree pits and plantings.
6. Include tie downs, restraints, edging, and other installation systems as noted on construction documents.
7. Include complete irrigation system including but not limited to piping, valves, boxes, zoning, controller, wiring, conduit, sleeves, heads, sprayers, and hose down quick disconnects. Irrigation connection to be connected from stub up installed by TC-04.

TC-09 Furnishings

1. Include all site furnishing per the specification including but not limited to bike racks, benches, seats, trash cans, etc.
2. Include all wood clad seat wall seats, benches, etc.
3. Include moveable planters.
4. Include all foundations and fasteners required per construction documents and manufacturer recommendations
5. Protect during construction to prevent damage.
6. On site storage is limited. Scheduled deliveries and coordination to be included.

B. CONTRACT DESCRIPTION TC-10: General Trades, Security, and Signage

The Scope of Work in this Contract TC-10 includes all labor, material, tools, equipment, services, and supervision necessary to complete all work specified herein, in accordance with the Contract Documents, as described below to a complete functional safe and operating state.

Included is the Work as indicated in this Contract Description TC-10 the Drawings, the General Conditions and Division 1 of the General Requirements. This scope of work includes, but is not necessarily limited to, the following Specification Sections:

The following items represent specific inclusions in this Contract TC-10: General Trades, Security, and Signage. They are provided as a guide to aid in the assignment of work and in no way should be construed as being all-inclusive.

1. Maintain dumpsters(1 per week), portable restrooms (6), and existing site fencing from 8/1 – End of projects. Reference Site Fencing drawing for location of fencing.
2. Plywood wall shown on Lower level to be maintained and removed by TC-05
3. Temporary water and electric to be included as required for TC-10 scope of work. Temporary power has been provided at ground level.
4. Contractor to furnish and install all expansion joints for Lot 23, 27, and Race St. Verify existing conditions prior to bid. Include patching and prep of boxed out joints as required per manufacturer.
5. Contractor to furnish and install a complete waterproofing system per the documents. Waterproofing to be installed in phases as structural decks are completed. Coordination with TC-09 scope to be included. Drainage board to be installed with any means required to prevent movement until soils, gravel, topping slabs, granite, etc are placed on top. Note Waterproofing to be installed on lot 27,23, and Race St.
6. Waterproofing to be inspected by a third party provided by the owner.

7. Contractor to furnish and install all concrete topping slabs on Lot 23, 27, Race St. as shown on the documents. Granite paving by TC-09.
8. Demo and install Elm St. curb cut located on the North end of Lot 27. Provide all required permits and applications.
9. Demo and reinstallation of concrete at the East Side Mehring way ramp to be included. Granite scope by TC-09.
10. Demo of existing Race St. Tree pit by TC-04
11. Provide all structural Bollards located on Race St.
12. Account for all signage work as depicted of the “SG” Drawing series.
13. Note accessories to be provided and furnished – only to the owner. These items are noted in the specifications and SG drawings.
14. Note 13 on C101 to be included at Elm St. Include all permits, traffic control, etc as required. Note 13 at Mehring Way by TC-05
15. This Trade Contractor shall include a \$ 250,000 allowance to account for potential changes initiated by the Owner.

C. Security

Included is the Work as indicated in this Contract Description TC-10 the Drawings, the General Conditions and Division 1 of the General Requirements. This scope of work includes, but is not necessarily limited to, the following Specification Sections:

DIVISION 26	ELECTRICAL
All Sections	Complete
DIVISION 27	COMMUNICATIONS
All Sections	Complete
DIVISION 28	ELECTRONIC SAFETY and SECURITY
All Sections	Complete

The following items represent specific inclusions in this Contract TC-10: Security. They are provided as a guide to aid in the assignment of work and in no way should be construed as being all-inclusive.

1. When doing utility work, all work shall be done by an approved contractor as identified by that utility company.
2. Furnish and install all required conduit, wiring, pull strings, hangers, fasteners, and tie ins.
3. Sleeves to be coordinated and installed by this Trade Contractor as required for this scope of work. Provide coring as required in already placed decks. Coring to be completed per THP specification: Scanning/Xray to be provided.
4. This Trade Contractor shall include all off hours work required for the specific tie-ins and or shutdowns for this Bid Package.
5. This Trade Contractor will be responsible for fire stopping and sealing of penetrations through fire rated and non-rated construction. This Trade Contractor to submit UL drawings on how they plan to handle each different type of penetration through rated partitions. These details are to be strictly adhered to in the field and each penetration is to be labeled with the UL number.
6. Furnish & install a complete operational Security System, inclusive of all required testing which shall be scheduled, coordinated and paid for by this Trade Contractor. Any tests that must be scheduled during other than normal working hours will be paid for by this Trade Contractor. This includes premium time or overtime for the Trade Contractor's personnel and any other governing entity. All materials, temporary facilities, and test apparatus required to perform these tests will be supplied by this Trade Contractor.
7. Electric scope, conduit, wiring, etc to be included where required to make the security system and fixtures operate.
8. Provide and install Race St. Light Poles. Conduits and pull boxes to be installed by TC-08.
9. All work is to be performed by contractors having the appropriate certification and licenses to perform the work.

10. Validation and acceptance of existing raceways that communicate between zones and/or aggregation points is to be included. Verify prior to bid date. Include all required race ways to complete this scope of work.
11. Building Information Modeling (BIM) is part of the project, all coordination and efforts in support of this endeavor is to be provided for.
12. All communication and activation of phone service is to be provided for – inclusive of the emergency “Blue” phones as well as the needs for the elevator.

SECTION 012100

ALLOWANCES

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Cash allowances to be included in Base Bid.

1.2 RELATED SECTIONS

- A. None.

1.3 CASH ALLOWANCES

A. General:

1. Work related to cash allowances will be performed on a time and material basis. The Contractor shall furnish and certify daily detail records of all labor and materials provided.
2. If the cost to complete the work is less than the cash allowance, a deduct Change Order will be prepared by the County for the cost difference.

B. Cash Allowance Items:

1. Trade Contract TC-09 Cash Allowance No. 1: \$550,000
2. Trade Contract TC-10 Cash Allowance No. 2: \$250,000

PART 2 PRODUCTS

Not used.

PART 3 EXECUTION

Not used.

END OF SECTION

SECTION 015000

CONSTRUCTION FACILITIES AND TEMPORARY CONTROLS

PART 1 GENERAL

1.1 SUMMARY

- A. Purpose and applicability of this Section:
 - 1. This section augments the General Conditions. References herein to specific articles in General Conditions shall not be interpreted as all-inclusive. Contractors shall review entire General Conditions for other related requirements that apply. Unless otherwise noted, the requirements of this Section applies to building sites.
 - 2. This Section applies to the entire Project. Refer to Contract Descriptions section in Division 01 for Work included in each Contract. In the event of conflict, consult with Construction Manager prior to bid date. Refer to Instructions to Bidders.
- B. Section includes:
 - 1. Utility, fuel and water costs.
 - 2. Temporary electric.
 - 3. Temporary heating, ventilating and air conditioning.
 - 4. Temporary water.
 - 5. Temporary sanitation facilities.
 - 6. Temporary portable fire protection equipment.
 - 7. Construction hoists and use of Owner's elevators and stairs.
 - 8. Protection of persons.
 - 9. Temporary enclosure of exterior openings.
 - 10. Protection of surfaces.
 - 11. Temporary partitions.
 - 12. Removal, storage and replacement of building components.
 - 13. Temporary access and parking.
 - 14. Field office.
 - 15. Containers for waste materials.
 - 16. Recycling.
 - 17. Cleaning during construction.
 - 18. Removal of temporary facilities.

1.2 UTILITY, FUEL AND WATER COSTS

- A. **Each Trade Contractor** will arrange for payment of utility, fuel and water costs required for construction purposes, both for temporary units throughout the duration of the Contract. The cost of tap fees and other installation costs for temporary utilities shall be paid by the Trade Contractor requiring such temporary service. All utility taps shall be coordinated with the Construction Manager.
- B. Trade Contractors shall not waste utilities, fuel and water by unnecessary running of equipment and other unnecessary or wasteful actions.

1.3 TEMPORARY ELECTRIC

- A. **Each Trade Contractor** is responsible for its own temporary electric for this Bid Package.

1.4 TEMPORARY HEATING, VENTILATING AND AIR CONDITIONING

- A. **Trade Contractor (TC-10)** is responsible to provide filtration on the existing air intakes or exhaust louvers where indicated on the plans. Maintenance of the filters including cleaning and/or replacement shall be included as identified in the trade contract work scope.

1.5 TEMPORARY WATER

- A. **Each Trade Contractor** is responsible for its own temporary water for this Bid Package.

1.6 TEMPORARY SANITATION FACILITIES

- A. **Trade Contractor (TC-10)** shall provide temporary chemical-type facilities, (2) units at each of the (4) gate locations, cleaned weekly, and placed where directed by Construction Manager. The chemical-type facilities shall remain on site for duration of work under this Trade Contract. Coordinate with the Construction Manager prior to removal of the chemical-type facilities.

1.7 TEMPORARY PORTABLE FIRE PROTECTION EQUIPMENT

- A. **Each Trade Contractor** shall provide temporary portable fire protection equipment to meet the requirements of codes referenced in Division 1; keep equipment accessible at all times in compliance with codes.

1.8 CONSTRUCTION HOISTS

- A. **Each Trade Contractor** shall provide, operate and maintain portable lifts, hoists and other equipment as necessary to vertically transport equipment, personnel and material required by that Trade Contractor. Comply with all codes referenced in the Contract Documents for such equipment. Coordinate the use of such equipment prior to mobilization on site with the Construction Manager.

1.9 PROTECTION OF PERSONS

- A. **Each Trade Contractor** shall each provide temporary construction, such as protection of openings in floors, barricades at open excavations, and protection of other hazardous conditions, for each of their respective portions of the Work, to ensure compliance with requirements of General Conditions, and Applicable Codes and Regulatory Agencies specified in Section 011100, for protection of persons throughout Contract Time. Coordinate protection through Construction Manager.
- B. Refer to other sections of Specifications for further requirements for protection of persons.

1.10 TEMPORARY ENCLOSURE OF EXTERIOR OPENINGS

- A. Not required for this Bid Package.

1.11 PROTECTION OF SURFACES

- A. **Each Trade Contractor** shall protect items, exposed unfinished surfaces and finish

surfaces as specified below. If items, exposed unfinished surfaces or finish surfaces are stained, discolored, damaged, or otherwise rendered in unacceptable or unusable condition, as determined by Construction Manager and Architect, restore to new condition or replace, to satisfaction of Construction Manager and Architect, with materials approved by Construction Manager, Architect, and manufacturer of items, exposed unfinished surfaces and finish surfaces being restored.

1.12 TEMPORARY PARTITIONS

- A. **Trade Contractor (TC-10)** shall provide barricades in accordance with the construction documents/Summary of Work and shall include a chain at each door or gate for securing with a lock provided by the CM.

1.13 REMOVAL, STORAGE AND REPLACEMENT OF EXISTING BUILDING COMPONENTS

1.14 TEMPORARY ACCESS AND PARKING

- A. Personal and Company vehicle parking shall be off-site and paid for by each Contractor, with no additional charges to Owner.

1.15 FIELD OFFICE/TOOL TRAILER

- A. Tool Trailer locations to be coordinated with the Construction Manager.

1.16 CONTAINERS FOR WASTE MATERIALS

- A. All Trade Contractors are to provide their own means for removal of construction materials from the site.

1.17 CLEANING DURING CONSTRUCTION

- A. **Each Trade Contractor** is responsible for **daily** cleanup and disposal of all debris associated with its work activities. Debris not removed by the Trade Contractors will be discarded at the delinquent Trade Contractor's expense. These expenses will be billed at an hourly rate of \$250/hr/person, plus any additional requirements such as hoisting, dumpster, misc. equipment rental and other related work.

1.18 REMOVAL OF TEMPORARY FACILITIES

- A. When temporary facilities are no longer required, remove them from Site. Unless otherwise specified herein, all such facilities shall be removed before Substantial Completion. Removal shall be performed by Trade Contractor who provided the temporary facilities as specified herein.

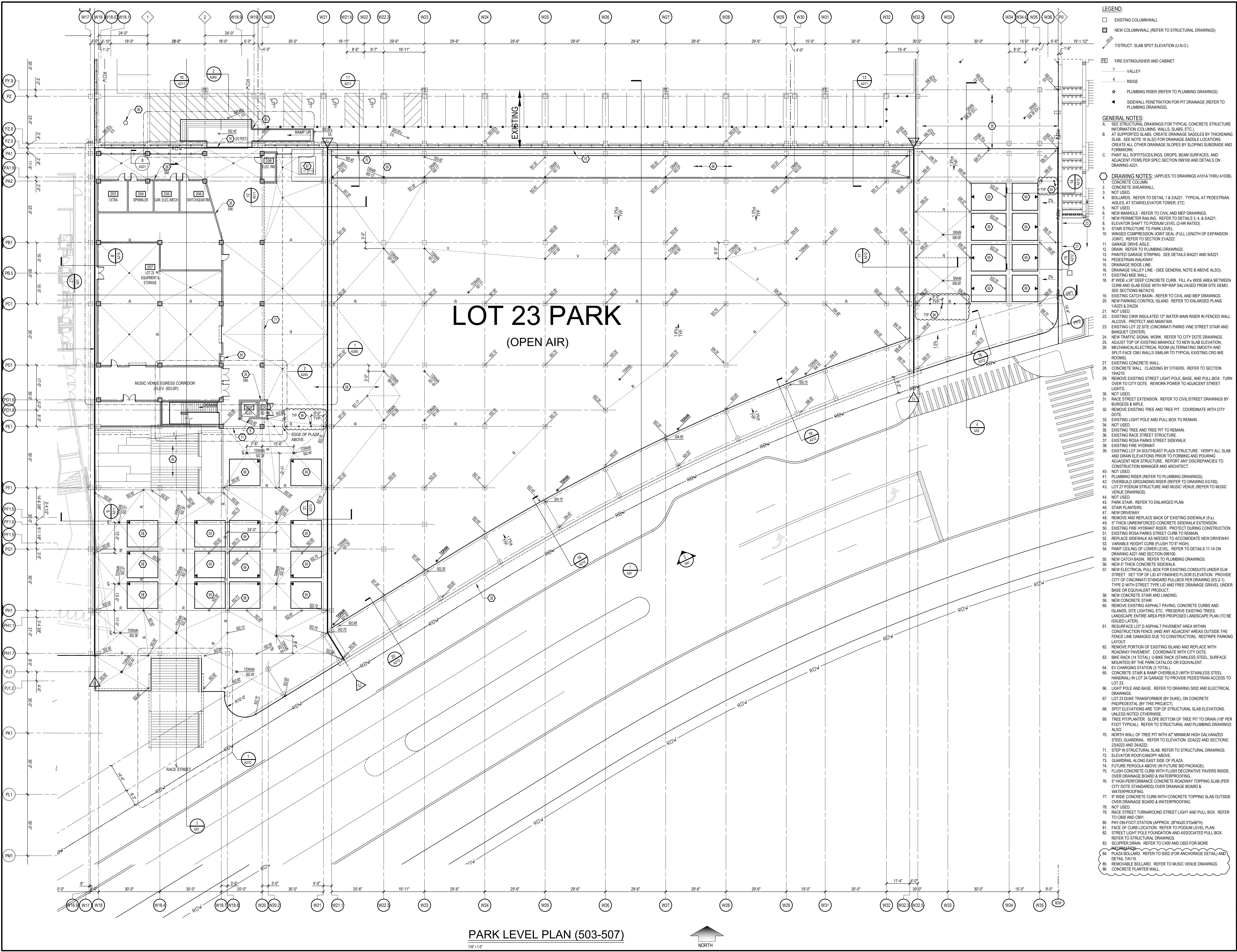
PART 2 PRODUCTS

Not Used.

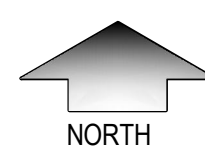
PART 3 EXECUTION

Not Used.

END OF SECTION



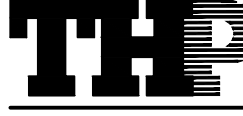
PARK LEVEL PLAN (503-507)



- LEGEND:**
- EXISTING COLUMN WALL
 - NEW COLUMN WALL (REFER TO PLUMBING DRAWINGS)
 - T/STRUCT. SLAB SPOT ELEVATION (U.N.O.)
 - FIRE EXTINGUISHER AND CABINET
 - VALLEY
 - RIDGE
 - PLUMBING RISER (REFER TO PLUMBING DRAWINGS)
 - SIDEWALL PENETRATION FOR PIT DRAINAGE (REFER TO PLUMBING DRAWINGS)
- GENERAL NOTES:**
- SEE STRUCTURAL DRAWINGS FOR TYPICAL CONCRETE STRUCTURE INFORMATION (COLUMNS, WALLS, SLABS, ETC.).
 - AT SUPPORTED SLABS, CREATE DRAINAGE SADDLES BY THICKENING SLAB. SEE NOTE 16 ALSO FOR DRAINAGE SADDLE LOCATIONS. CREATE ALL OTHER DRAINAGE SLOPES BY SLOPING SUBGRADE AND FORMWORK.
 - PAINT ALL SOFFITS/CEILINGS, DROPS, BEAM SURFACES, AND ADJACENT ITEMS PER SPEC SECTION 09100 AND DETAILS ON DRAWING A221.
- DRAWING NOTES: (APPLIES TO DRAWINGS A101A THRU A103B)**
- CONCRETE COLUMN.
 - CONCRETE SHEAR WALL.
 - NOT USED.
 - BOLLARDS. REFER TO DETAIL 1 & 2/A221. TYPICAL AT PEDESTRIAN AISLES. AT STAIR/ELEVATOR TOWER, ETC.
 - NOT USED.
 - NEW MANHOLE - REFER TO CIVIL AND MEP DRAWINGS.
 - NEW PERIMETER RAILING. REFER TO DETAILS 3.4 & 5/A221.
 - ELEVATOR SHAFT TO PODIUM LEVEL (2-HR RATED).
 - STAR STRUCTURE TO PARK LEVEL.
 - WINGED COMPRESSION JOINT SEAL (FULL LENGTH OF EXPANSION JOINT). REFER TO SECTION 21/A222.
 - DRAIN. REFER TO PLUMBING DRAWINGS.
 - PAINTED GARAGE STRIPING. SEE DETAILS 8/A221 AND 9/A221.
 - PEDESTRIAN WALKWAY.
 - DRAINAGE RIDGE LINE.
 - DRAINAGE VALLEY LINE - (SEE GENERAL NOTE B ABOVE ALSO).
 - EXISTING MSE WALL.
 - 8" WIDE x 24" DEEP CONCRETE CURB. FILL 4+ WIDE AREA BETWEEN CURB AND SLAB EDGE WITH RIP-RAP SALVAGED FROM SITE DEMO. SEE SECTIONS 867A/10.
 - EXISTING CATCH BASIN - REFER TO CIVIL AND MEP DRAWINGS.
 - NEW PARKING CONTROL ISLAND. REFER TO ENLARGED PLANS 1/A223 & 2/A224.
 - NOT USED.
 - EXISTING CWW INSULATED 12" WATER MAIN RISER IN FENCED WALL ALCOVE. PROTECT AND MAINTAIN.
 - EXISTING LOT 22 SITE (CINCINNATI PARKS VINE STREET STAIR AND BANQUET CENTER).
 - NEW TRAFFIC SIGNAL WORK. REFER TO CITY DOTE DRAWINGS.
 - ADJUST TOP OF EXISTING MANHOLE TO NEW SLAB ELEVATION.
 - MECHANICAL/ELECTRICAL ROOM (ALTERNATING SMOOTH AND SPLIT-FACE CMU WALLS SIMILAR TO TYPICAL EXISTING CRO ME ROOMS).
 - EXISTING CONCRETE WALL.
 - CONCRETE WALL. CLADDING BY OTHERS. REFER TO SECTION 19/A210.
 - REMOVE EXISTING STREET LIGHT POLE, BASE, AND PULL-BOX. TURN OVER TO CITY DOTE. REWORK POWER TO ADJACENT STREET LIGHTS.
 - NOT USED.
 - RACE STREET EXTENSION. REFER TO CIVIL/STREET DRAWINGS BY BURGESS & NIPEL.
 - REMOVE EXISTING TREE AND TREE PIT. COORDINATE WITH CITY DOTE.
 - EXISTING LIGHT POLE AND PULL-BOX TO REMAIN.
 - NOT USED.
 - EXISTING TREE AND TREE PIT TO REMAIN.
 - EXISTING RACE STREET STRUCTURE.
 - EXISTING ROSA PARKS STREET SIDEWALK.
 - EXISTING FIRE HYDRANT.
 - EXISTING LOT 24 SOUTHEAST PLAZA STRUCTURE. VERIFY ALL SLAB AND DRAIN ELEVATIONS PRIOR TO FORMING AND POURING ADJACENT NEW STRUCTURE. REPORT ANY DISCREPANCIES TO CONSTRUCTION MANAGER AND ARCHITECT.
 - NOT USED.
 - PLUMBING RISER (REFER TO PLUMBING DRAWINGS).
 - OVERBUILD GROUNDING RISER (REFER TO DRAWING EG100).
 - LOT 27 PODIUM STRUCTURE AND MUSIC VENUE (REFER TO MUSIC VENUE DRAWINGS).
 - NOT USED.
 - PARK STAIR. REFER TO ENLARGED PLAN.
 - STAR PLANTERS.
 - NEW DRIVEWAY.
 - REMOVE AND REPLACE BACK OF EXISTING SIDEWALK (5'+).
 - 5" THICK UNREINFORCED CONCRETE SIDEWALK EXTENSION.
 - EXISTING FIRE HYDRANT RISER. PROTECT DURING CONSTRUCTION.
 - EXISTING ROSA PARKS STREET CURB TO REMAIN.
 - REPLACE SIDEWALK AS NEEDED TO ACCOMMODATE NEW DRIVEWAY.
 - VARIABLE HEIGHT CURB FLUSH TO 6" HIGH.
 - PAINT CEILING OF LOWER LEVEL. REFER TO DETAILS 11-14 ON DRAWING A221 AND SECTION 099100.
 - NEW CATCH BASIN. REFER TO PLUMBING DRAWINGS.
 - NEW 8" THICK CONCRETE SIDEWALK.
 - NEW ELECTRICAL PULL-BOX FOR EXISTING CONDUITS UNDER ELM STREET. SET TOP OF LID AT FINISHED FLOOR ELEVATION. PROVIDE CITY OF CINCINNATI STANDARD PULL BOX PER DRAWING (ES-2-1) TYPE D WITH STREET TYPE LID AND FREE DRAINAGE GRAVEL UNDER BASE OR EQUIVALENT PRODUCT.
 - NEW CONCRETE STAIR AND LANDING.
 - NEW CONCRETE STAIR.
 - REMOVE EXISTING ASPHALT PAVING, CONCRETE CURBS AND ISLANDS, SITE LIGHTING, ETC. PRESERVE EXISTING TREES. LANDSCAPE ENTIRE AREA PER PROPOSED LANDSCAPE PLAN (TO BE ISSUED LATER).
 - RESURFACE LOT D ASPHALT PAVEMENT AREA WITHIN CONSTRUCTION FENCE (AND ANY ADJACENT AREAS OUTSIDE THE FENCE LINE DAMAGED DUE TO CONSTRUCTION). RESTRIPE PARKING LAYOUT.
 - REMOVE PORTION OF EXISTING ISLAND AND REPLACE WITH ROADWAY PAVEMENT. COORDINATE WITH CITY DOTE.
 - BIKE RACK (14 TOTAL); U-BIKE RACK (STAINLESS STEEL, SURFACE MOUNTED) BY THE PARK CATALOG OR EQUIVALENT.
 - EV CHARGING STATION (3 TOTAL).
 - CONCRETE STAIR & RAMP OVERBUILD (WITH STAINLESS STEEL HANDRAIL) IN LOT 24 GARAGE TO PROVIDE PEDESTRIAN ACCESS TO LOT 23.
 - LIGHT POLE AND BASE. REFER TO DRAWING S002 AND ELECTRICAL DRAWINGS.
 - LOT 23 BIKE TRANSFORMER (BY DUKE), ON CONCRETE PAD/PEDESTAL (BY THIS PROJECT).
 - SPOT ELEVATIONS ARE TOP OF STRUCTURAL SLAB ELEVATIONS, UNLESS NOTED OTHERWISE.
 - TREE PIT/PLANTER. SLOPE BOTTOM OF TREE PIT TO DRAIN (18" PER FOOT TYPICAL). REFER TO STRUCTURAL AND PLUMBING DRAWINGS ALSO.
 - NORTH WALL OF TREE PIT WITH 42" MINIMUM HIGH GALVANIZED STEEL GUARDRAIL. REFER TO ELEVATION: 22/A222 AND SECTIONS: 23/A222 AND 24/A222.
 - STEP IN STRUCTURAL SLAB. REFER TO STRUCTURAL DRAWINGS.
 - ELEVATOR ROOFCANOPY ABOVE.
 - GUARDRAIL ALONG EAST SIDE OF PLAZA.
 - FUTURE PERCOLA ABOVE (IN FUTURE BID PACKAGE).
 - FLUSH CONCRETE CURBS WITH FLUSH DECORATIVE PAVERS INSIDE, OVER DRAINAGE BOARD & WATERPROOFING.
 - 5" HIGH-PERFORMANCE CONCRETE ROADWAY TOPPING SLAB (PER CITY DOTE STANDARDS) OVER DRAINAGE BOARD & WATERPROOFING.
 - 7" WIDE CONCRETE CURB WITH CONCRETE TOPPING SLAB OUTSIDE OVER DRAINAGE BOARD & WATERPROOFING.
 - NOT USED.
 - RACE STREET TURNAROUND STREET LIGHT AND PULL BOX. REFER TO C800 AND C801.
 - PAY-ON-FOOT STATION (APPROX. 28"Wx20.5"Dx66"H).
 - FACE OF CURB LOCATION. REFER TO PODIUM LEVEL PLAN.
 - STREET LIGHT POLE FOUNDATION AND ASSOCIATED PULL-BOX. REFER TO STRUCTURAL DRAWINGS.
 - SCUMPER DRAIN. REFER TO C400 AND C603 FOR MORE INFORMATION.
 - PLAZA BOLLARD. REFER TO S002 (FOR ANCHORAGE DETAIL) AND DETAIL 7/A115.
 - REMOVABLE BOLLARD. REFER TO MUSIC VENUE DRAWINGS.
 - CONCRETE PLANTER WALL.



HAMILTON COUNTY
RIVERFRONT PARKING
AND INFRASTRUCTURE
IMPROVEMENTS



THP Limited, Inc.
Consulting Engineers
100 East Eighth Street
Cincinnati, Ohio 45202
Phone: (513) 241-5222
Fax: (513) 241-2981

NO.	DATE	DESCRIPTION
1	12/15/2020	1.00
2	12/15/2020	2.00
3	12/15/2020	3.00
4	12/15/2020	4.00
5	12/15/2020	5.00
6	12/15/2020	6.00
7	12/15/2020	7.00
8	12/15/2020	8.00
9	12/15/2020	9.00
10	12/15/2020	10.00
11	12/15/2020	11.00

LOT D (25)

LOT 24

LOT 27

LOT 23

LOT 28

DRWN BY: P.A.B.

ENGR: M.S.M.

CHECKED BY: M.L.H.

THE BANKS
PHASE 3B

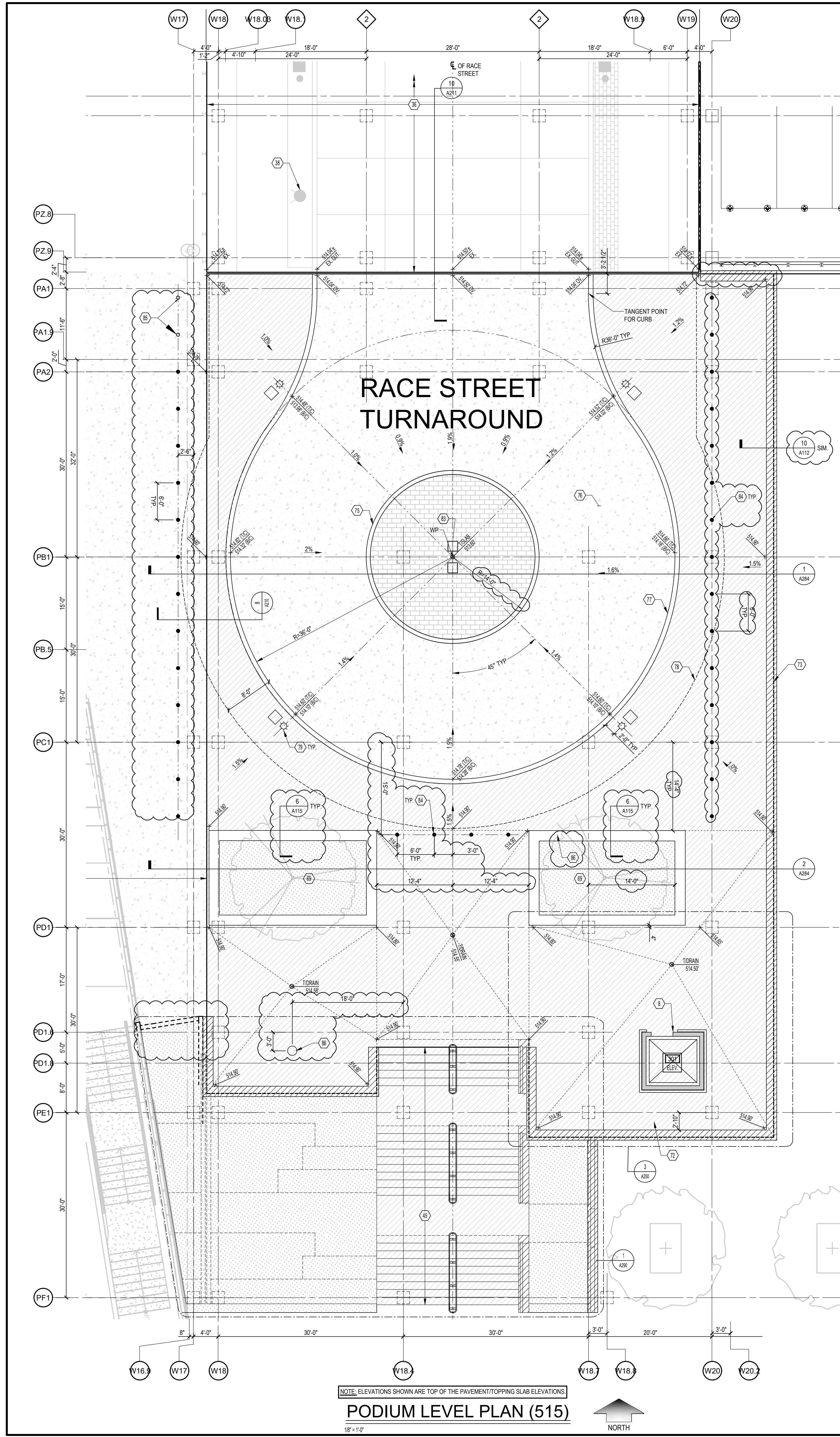
LOT 23/27/28 GARAGE &
RACE ST. TURNAROUND

DRAWING TITLE
PARK LEVEL (503-507)
PLAN

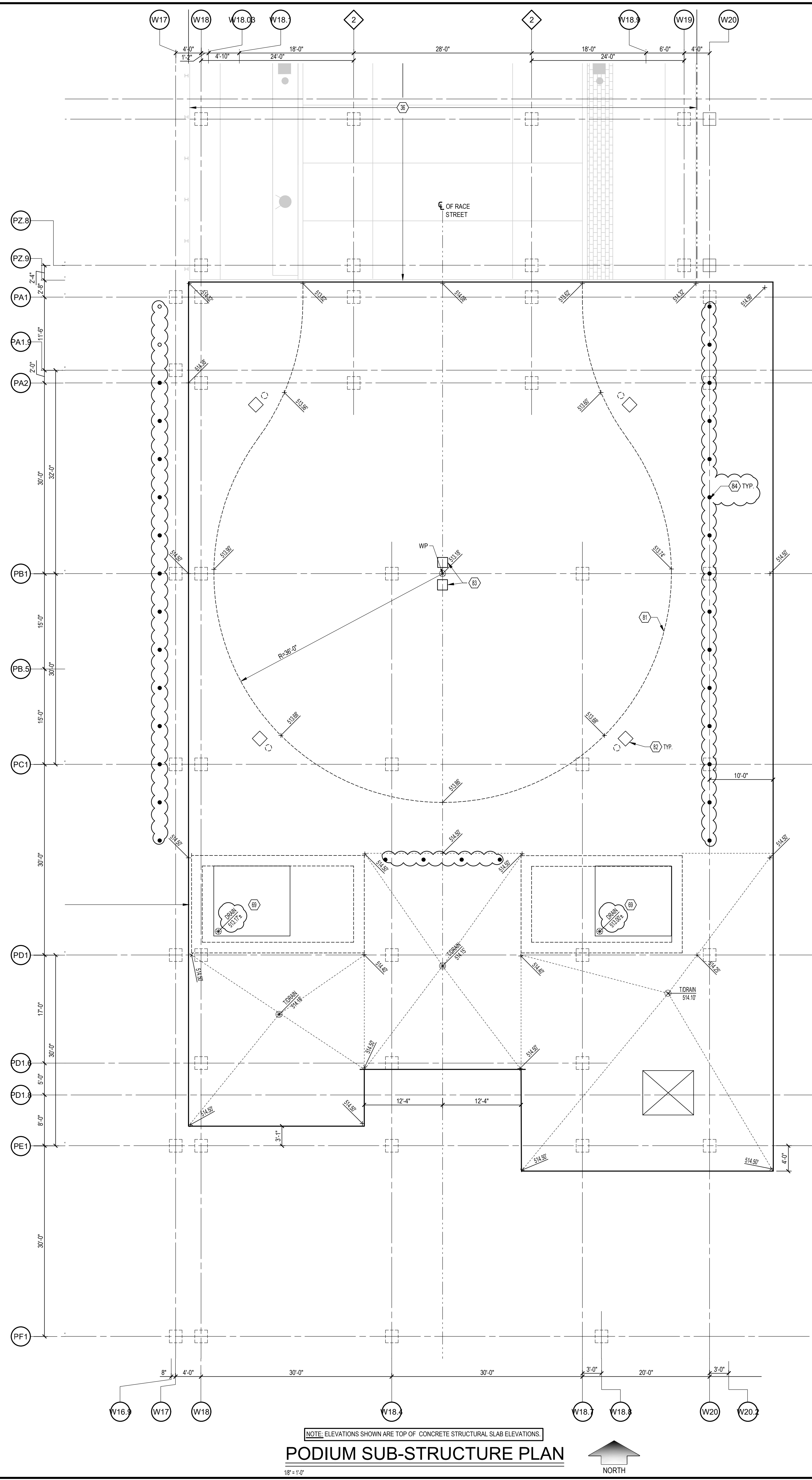
JOB NUMBER
98090.38

DATE
8/2/2019

DRAWING NUMBER
A102B



NOTE: ELEVATIONS SHOWN ARE TOP OF THE PAVEMENT/TOPPING SLAB ELEVATIONS
PODIUM LEVEL PLAN (515)



NOTE: ELEVATIONS SHOWN ARE TOP OF CONCRETE STRUCTURAL SLAB ELEVATIONS
PODIUM SUB-STRUCTURE PLAN

- LEGEND:**
- CONCRETE PAVING
 - CONCRETE PAVING CARPET
 - GRANITE
 - SPORTS TURF
 - NATURAL TURF
 - GROUND COVER
 - EXISTING COLUMN/WALL
 - NEW COLUMN/WALL (REFER TO STRUCTURAL DRAWINGS)
 - STRUCT. SLAB SPOT ELEVATION (U.N.O.)
 - FIRE EXTINGUISHER AND CABINET
 - VALLEY
 - RIDGE
 - PLUMBING RISER (REFER TO PLUMBING DRAWINGS)
 - AREA DRAIN
 - SLOT DRAIN
 - EXPANSION JOINT
- GENERAL NOTES:**
- SEE STRUCTURAL DRAWINGS FOR TYPICAL CONCRETE STRUCTURE INFORMATION (COLUMNS, WALLS, SLABS, ETC.).
 - AT SUPPORTED SLABS, CREATE DRAINAGE SADDLES BY THICKENING SLAB. SEE NOTE 16 ALSO FOR DRAINAGE SADDLE LOCATIONS. CREATE ALL OTHER DRAINAGE SLOPES BY SLOPING SUBGRADE AND FORMWORK.
 - PAINT ALL SOFFITS/CEILING, DROPS, BEAM SURFACES, AND ADJACENT ITEMS PER SPEC SECTION 09100 AND DETAILS ON DRAWING A221.
 - REFER TO LANDSCAPE PLANS FOR PLANTINGS, SITE FURNISHINGS, AND JOINTSCORING PATTERNS.
- DRAWING NOTES:** (APPLIES TO DRAWING A101A THRU A103B)
- CONCRETE COLUMN
 - CONCRETE SHEARWALL
 - NOT USED
 - SOLARIS. REFER TO DETAIL 1 & 2/A221. TYPICAL AT PEDESTRIAN AISLES, AT STAIR/ELEVATOR TOWER, ETC.
 - NOT USED
 - NEW MANHOLE - REFER TO CIVIL AND MEP DRAWINGS
 - NEW PERIMETER RAILING - REFER TO DETAILS 3, 4, & 5/A221
 - ELEVATOR SHAFT TO PODIUM LEVEL (2-HR RATED)
 - STAR STRUCTURE TO PARK LEVEL
 - WINGED COMPRESSION JOINT SEAL (FULL LENGTH OF EXPANSION JOINT). REFER TO SECTION 21/A222
 - GARAGE DRIVE AISLE
 - DRAIN. REFER TO PLUMBING DRAWINGS
 - PAINTED GARAGE STRIPING. SEE DETAILS 8/A221 AND 9/A221
 - PEDESTRIAN WALKWAY
 - DRAINAGE RIDGE LINE
 - DRAINAGE VALLEY LINE - (SEE GENERAL NOTE B ABOVE ALSO)
 - EXISTING MSE WALL
 - 6" WIDE x 24" DEEP CONCRETE CURB. FILL 4" WIDE AREA BETWEEN CURB AND SLAB EDGE WITH RIP-RAP SALVAGED FROM SITE DEMO. SEE SECTIONS 68/A210
 - EXISTING CATCH BASIN - REFER TO CIVIL AND MEP DRAWINGS
 - NEW PARKING CONTROL ISLAND. REFER TO ENLARGED PLANS 1/A223 & 2/A224
 - NOT USED
 - EXISTING CMW INSULATED 12" WATER MAIN RISER IN FENCED WALL ALCOVE. PROTECT AND MAINTAIN
 - EXISTING LOT 22 SITE (CINCINNATI PARKS VINE STREET STAIR AND BANQUET CENTER)
 - NEW TRAFFIC SIGNAL WORK. REFER TO CITY DOTE DRAWINGS
 - ADJUST TOP OF EXISTING MANHOLE TO NEW SLAB ELEVATION
 - MECHANICAL/ELECTRICAL ROOM (ALTERNATING SMOOTH AND SPLIT-FACE CMW WALLS SIMILAR TO TYPICAL EXISTING CRC ME ROOMS)
 - EXISTING CONCRETE WALL
 - CONCRETE WALL. GLAZING BY OTHERS. REFER TO SECTION 19/A210
 - REMOVE EXISTING STREET LIGHT POLE, BASE, AND PULL-BOX. TURN OVER TO CITY DOTE. REWORK POWER TO ADJACENT STREET LIGHTS
 - NOT USED
 - RACE STREET EXTENSION. REFER TO CIVIL STREET DRAWINGS BY BURGESS & NIPLE
 - REMOVE EXISTING TREE AND TREE PIT. COORDINATE WITH CITY DOTE
 - EXISTING LIGHT POLE AND PULL-BOX TO REMAIN
 - NOT USED
 - EXISTING TREE AND TREE PIT TO REMAIN
 - EXISTING RACE STREET STRUCTURE
 - EXISTING ROSA PARKS STREET SIDEWALK
 - EXISTING FIRE HYDRANT
 - EXISTING LOT 24 SOUTHEAST PLAZA STRUCTURE. VERIFY ALL SLAB AND DRAIN ELEVATIONS PRIOR TO FORMING AND POURING ADJACENT NEW STRUCTURE. REPORT ANY DISCREPANCIES TO CONSTRUCTION MANAGER AND ARCHITECT
 - NOT USED
 - PLUMBING RISER (REFER TO PLUMBING DRAWINGS)
 - OVERBUILD GROUNDING RISER (REFER TO DRAWING 65/100)
 - LOT 27 PODIUM STRUCTURE AND MUSIC VENUE (REFER TO MUSIC VENUE DRAWINGS)
 - NOT USED
 - NOT USED
 - NEW DRIVEWAY
 - REMOVE AND REPLACE BACK OF EXISTING SIDEWALK (5'-6")
 - 5" THICK UNREINFORCED CONCRETE SIDEWALK EXTENSION
 - EXISTING FIRE HYDRANT RISER. PROTECT DURING CONSTRUCTION
 - EXISTING ROSA PARKS STREET CURB TO REMAIN
 - NOT USED
 - NOT USED
 - PAINT CEILING OF LOWER LEVEL. REFER TO DETAILS 11-14 ON DRAWING A221 AND SECTION 09/100
 - NEW CATCH BASIN. REFER TO PLUMBING DRAWINGS
 - NEW 6" THICK CONCRETE SIDEWALK
 - NOT USED
 - NEW CONCRETE STAIR AND LANDING
 - NEW CONCRETE STAIR
 - REMOVE EXISTING ASPHALT PAVING, CONCRETE CURBS AND ISLANDS. SITE LIGHTING, ETC. PRESERVE EXISTING TREES, LANDSCAPE ENTIRE AREA PER PROPOSED LANDSCAPE PLAN (TO BE ISSUED LATER)
 - RESURFACE LOT 4 ASPHALT PAVEMENT AREA WITHIN CONSTRUCTION FENCE (AND ANY ADJACENT AREAS OUTSIDE THE FENCE LINE DAMAGED DUE TO CONSTRUCTION). RESTRIPE PARKING LAYOUT
 - REMOVE PORTION OF EXISTING ISLAND AND REPLACE WITH ROADWAY PAVEMENT. COORDINATE WITH CITY DOTE
 - BIKE RACK (14 TOTAL). U-BIKE RACK (STAINLESS STEEL. SURFACE MOUNTED BY THE PARK CATALOG OR EQUIVALENT)
 - EV CHARGING STATION (3 TOTAL)
 - CONCRETE STAIR & RAMP OVERBUILD (WITH STAINLESS STEEL HANDRAIL IN LOT 24 GARAGE TO PROVIDE PEDESTRIAN ACCESS TO LOT 29)
 - LIGHT POLE AND BASE. REFER TO DRAWING 5002 AND ELECTRICAL DRAWINGS
 - LOT 23 DOTE TRANSFORMER BY DUNE, ON CONCRETE PAD/PEDESTAL (BY THIS PROJECT)
 - SPOT ELEVATIONS ARE TOP OF STRUCTURAL SLAB ELEVATIONS, UNLESS NOTED OTHERWISE
 - TREE PIT PLANTER. SLOPE BOTTOM OF TREE PIT TO DRAIN (18" PER FOOT TYPICAL). REFER TO STRUCTURAL AND PLUMBING DRAWINGS
 - NORTH WALL OF TREE PIT WITH 42" MINIMUM HIGH GALVANIZED STEEL GUARDRAIL
 - STEP IN STRUCTURAL SLAB. REFER TO STRUCTURAL DRAWINGS
 - ELEVATOR ROSE/CANOPY ABOVE
 - GUARDRAIL ALONG EAST SIDE OF PLAZA
 - FUTURE PERGOLA ABOVE (IN FUTURE BID PACKAGE)
 - FLUSH CONCRETE CURB WITH FLUSH DECORATIVE PAVERS INSIDE, OVER DRAINAGE BOARD & WATERPROOFING
 - 5" HIGH PERFORMANCE CONCRETE ROADWAY TOPPING SLAB (PER CITY DOTE STANDARDS) OVER DRAINAGE BOARD & WATERPROOFING
 - 9" WIDE CONCRETE CURB WITH CONCRETE TOPPING SLAB OUTSIDE OVER DRAINAGE BOARD & WATERPROOFING
 - RIGHT-OF-WAY LINE (SHOWN FOR REFERENCE ONLY)
 - RACE STREET TURNAROUND STREET LIGHT AND PULL BOX. REFER TO C400 AND C811
 - PAVING LOT STATION (APPROX. 28'x20' 5'Dx66'1")
 - FACE OF CURB LOCATION. REFER TO PODIUM LEVEL PLAN
 - STREET LIGHT POLE FOUNDATION AND ASSOCIATED PULL-BOX. REFER TO STRUCTURAL DRAWINGS
 - SCUPPER DRAIN. REFER TO C400 AND C803 FOR MORE INFORMATION
 - PLAZA BOLLARD. REFER TO 5002 FOR ANCHORAGE DETAIL AND DETAIL 7/A115
 - REMOVABLE BOLLARD. REFER TO MUSIC VENUE DRAWINGS
 - CONCRETE PLANTER WALL



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ISSUES	DATE	DESCRIPTION	STATUS
1	10/20/2019	DESIGN DEVELOPMENT	OPEN
2	10/20/2019	SCOPING SET	CLOSED
3	10/20/2019	DESIGN DEVELOPMENT	OPEN
4	10/20/2019	DESIGN DEVELOPMENT	OPEN
5	10/20/2019	DESIGN DEVELOPMENT	OPEN
6	10/20/2019	DESIGN DEVELOPMENT	OPEN
7	10/20/2019	DESIGN DEVELOPMENT	OPEN
8	10/20/2019	DESIGN DEVELOPMENT	OPEN
9	10/20/2019	DESIGN DEVELOPMENT	OPEN
10	10/20/2019	DESIGN DEVELOPMENT	OPEN
11	10/20/2019	DESIGN DEVELOPMENT	OPEN

LOT D (25)

LOT 24

LOT 27

LOT 23

LOT 28

DRAWN BY: P.A.B.

ENGINEER: M.S.M.

CHECKED BY: M.L.H.

**THE BANKS
PHASE 3B**

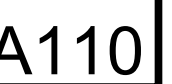
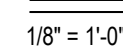
LOT 23/27/28 GARAGE &
RACE ST. TURNAROUND

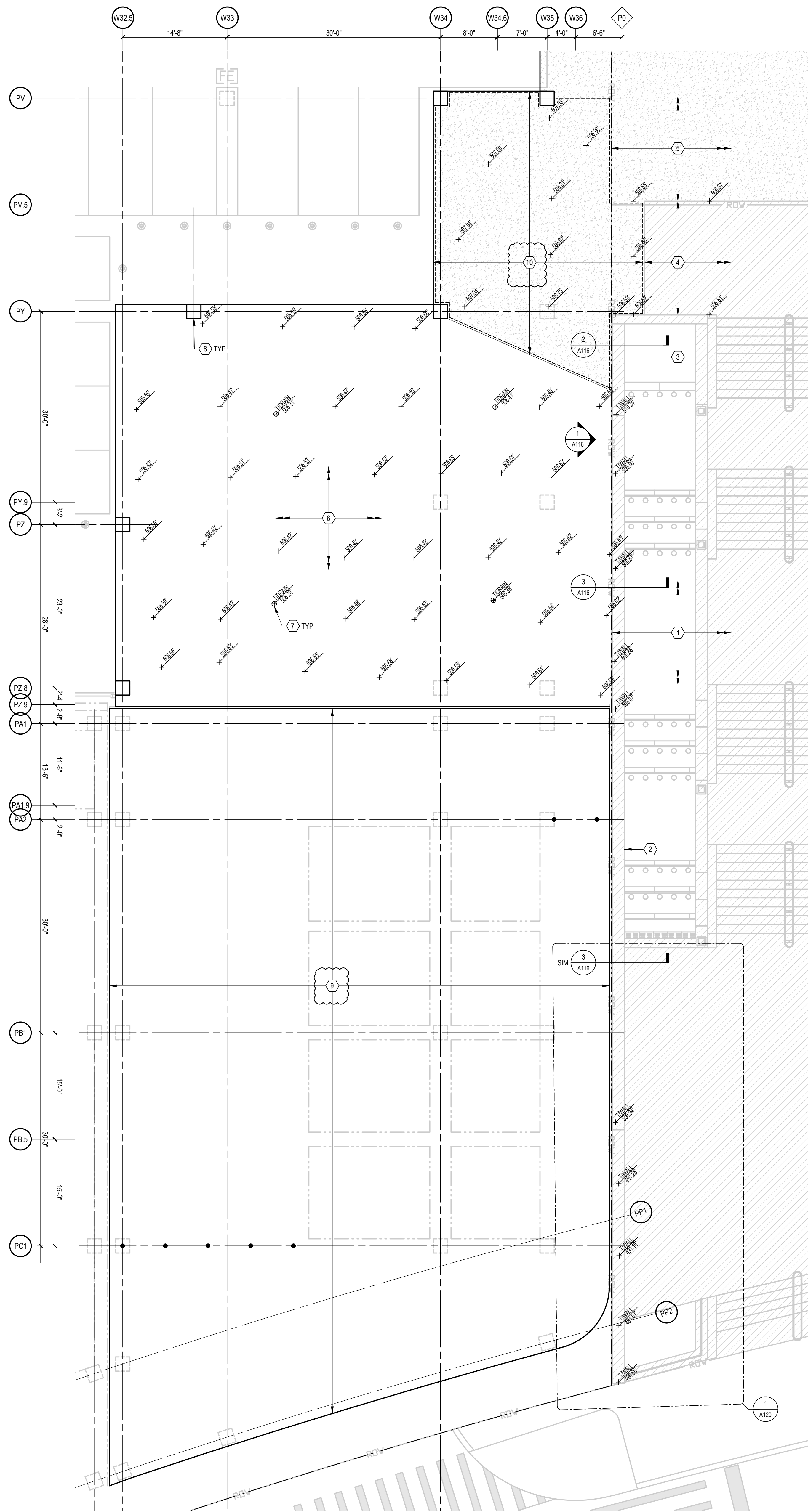
PODIUM LEVEL (515)
PLAN

JOB NUMBER: 98090.38

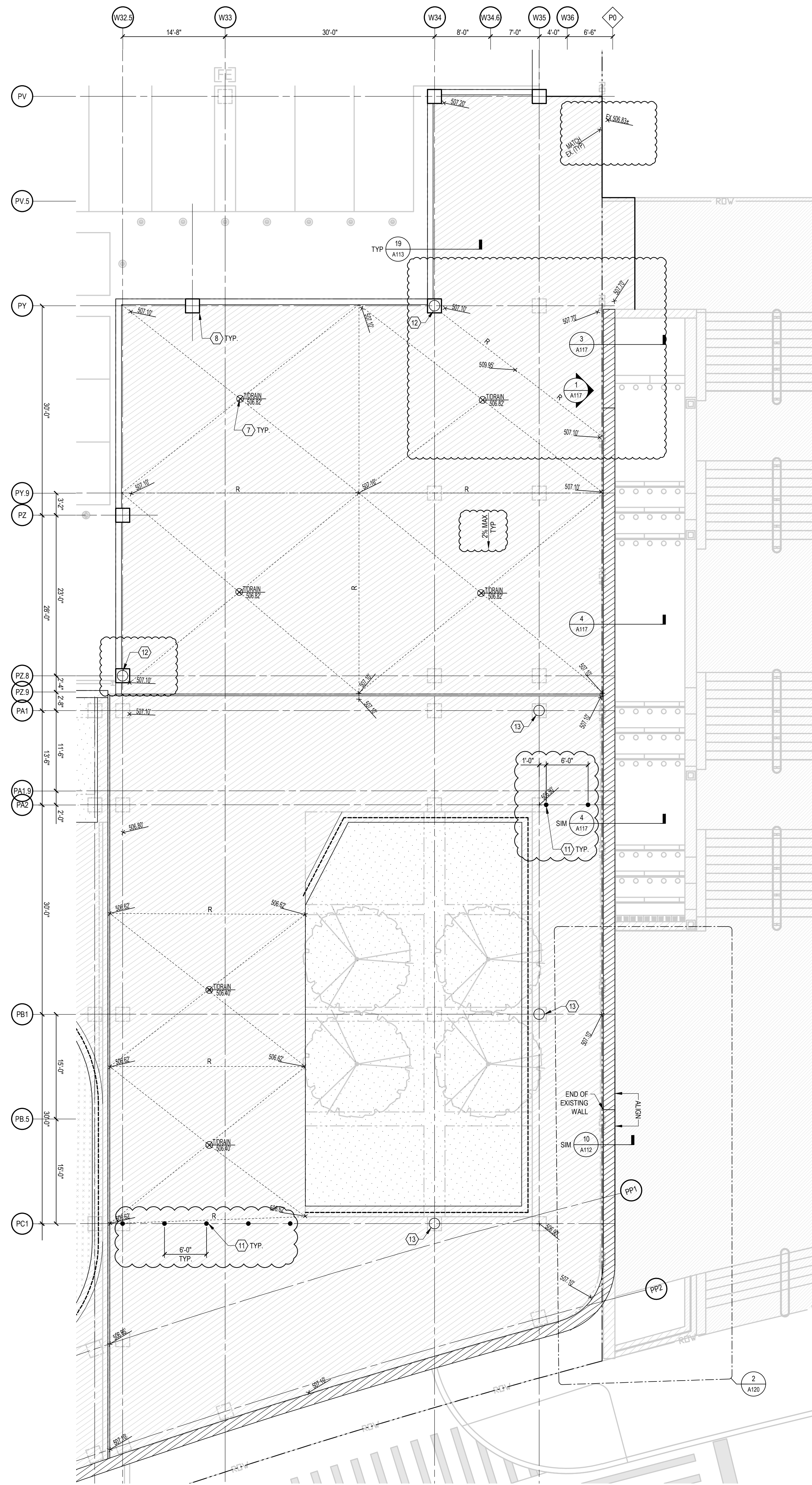
DATE: 7/2/2019

DRAWING NUMBER: A103B





1
A111
EXISTING CONDITIONS/DEMOLITION PLAN
1/8" = 1'-0"



2
A111
PARK LEVEL ENLARGED PLAN
1/8" = 1'-0"

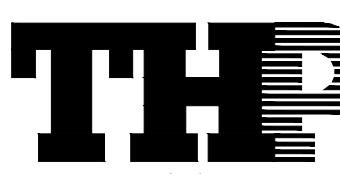
- LEGEND:**
- CONCRETE PAVING
 - GRANITE PAVING
 - GRANITE
 - SPORTS TURF
 - NATURAL TURF
 - GROUND COVER
 - T/GRADING SPOT ELEVATION (I.N.O.)
 - VALLEY
 - RIDGE
 - AREA DRAIN
 - SLOT DRAIN
 - LIGHT POLE
 - EXPANSION JOINT

GENERAL NOTES:
A. REFER TO LANDSCAPE PLANS FOR PLANTINGS, SPORTS TURF, PAVEMENT PATTERNS AND SITE FURNISHINGS.

- DRAWING NOTES:**
- EXISTING VINE STREET STAIR (LOT 22) CONSTRUCTION.
 - EXISTING LOT 22 DONOR WALL.
 - EXISTING UPPER FOUNTAIN BASIN.
 - EXISTING GRANITE PLAZA PAVEMENT.
 - EXISTING CONCRETE PAVEMENT.
 - EXISTING LOT 24 CONCRETE STRUCTURE (ELEV. 506.54).
 - EXISTING BI-LEVEL DRAIN. ADJUST UPPER (GRATE) ELEVATION TO PROPOSED ELEVATIONS ON PLAN 2A111.
 - EXISTING CONCRETE COLUMN STUB (TOP OF CONCRETE 510.04, TOP OF REBAR 515.04).
 - EAST END OF NEW LOT 23 STRUCTURE (UNDER CONSTRUCTION).
 - REMOVE EXISTING CONCRETE TOPPING SLAB AND PLAZA BOLLARD. REFER TO 5002 FOR ANCHORAGE DETAIL AND DETAIL 7/115.
 - LIGHT POLE MOUNTED TO COLUMN STUB. SEE ELECTRICAL DRAWINGS. RUN SURFACE-MOUNTED CONDUIT DOWN BACK SIDE OF COLUMN TO GARAGE BELOW.
 - LIGHT POLE AND BASE. REFER TO DRAWING 5002 AND ELECTRICAL DRAWINGS.

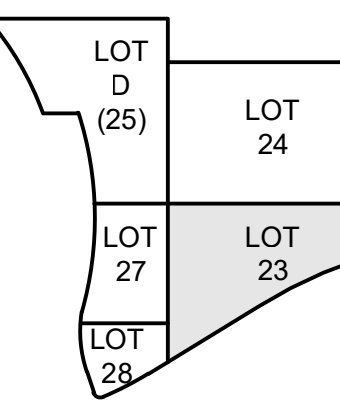


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NO.	DATE	DESCRIPTION
1	12/12/2019	ISSUED FOR PERMIT
2	12/12/2019	ISSUED FOR PERMIT
3	12/12/2019	ISSUED FOR PERMIT
4	12/12/2019	ISSUED FOR PERMIT
5	12/12/2019	ISSUED FOR PERMIT



LOT 25
LOT 24
LOT 27
LOT 23
LOT 28

DRAWN BY: L.C.G.

ENGINEER: M.S.M.

CHECKED BY: M.L.H.

**THE BANKS
PHASE 3B**

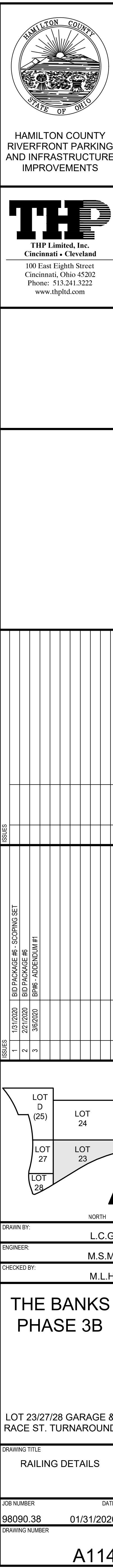
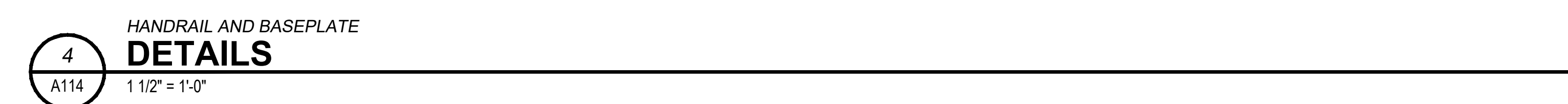
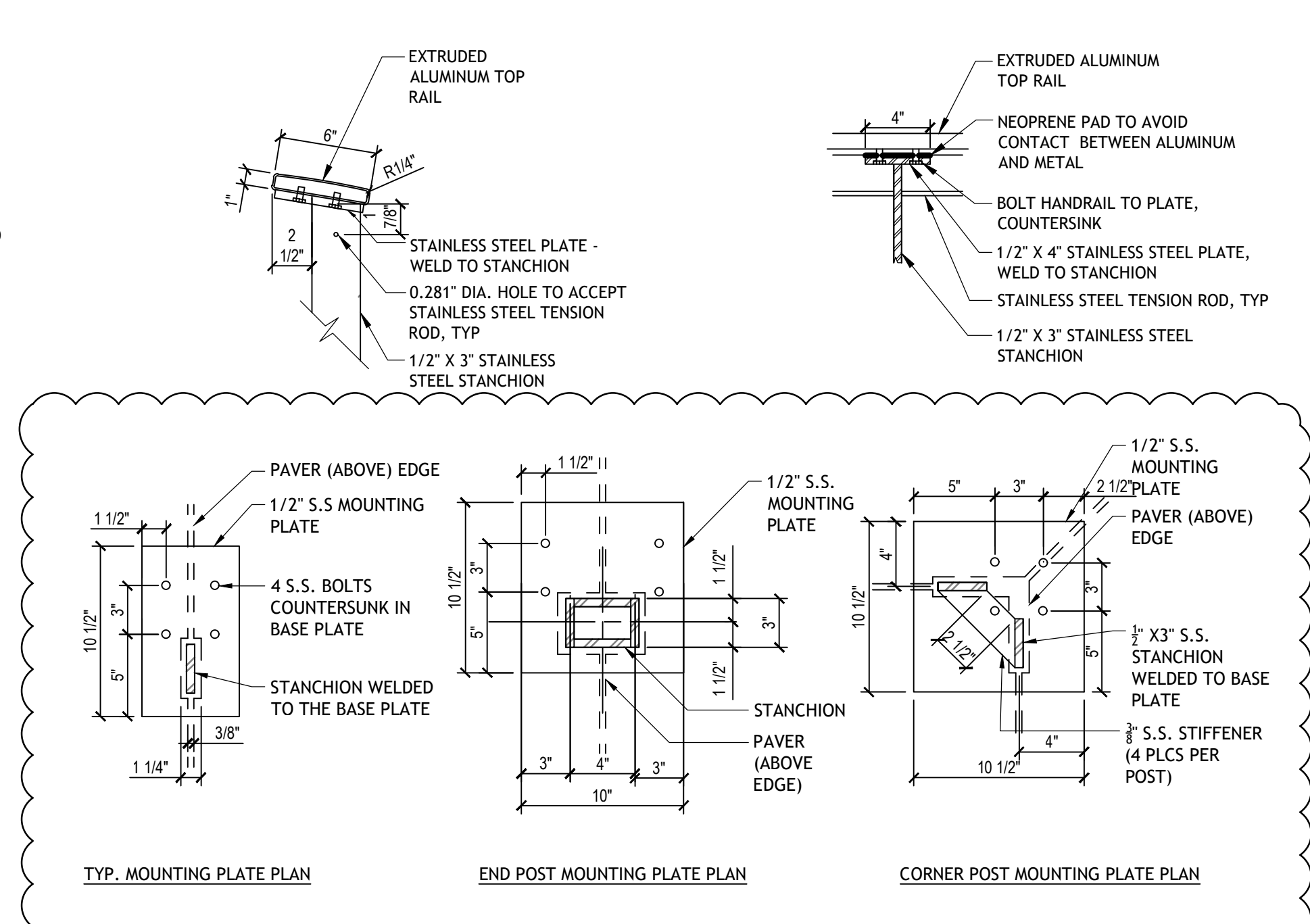
LOT 23/27/28 GARAGE &
RACE ST. TURNAROUND

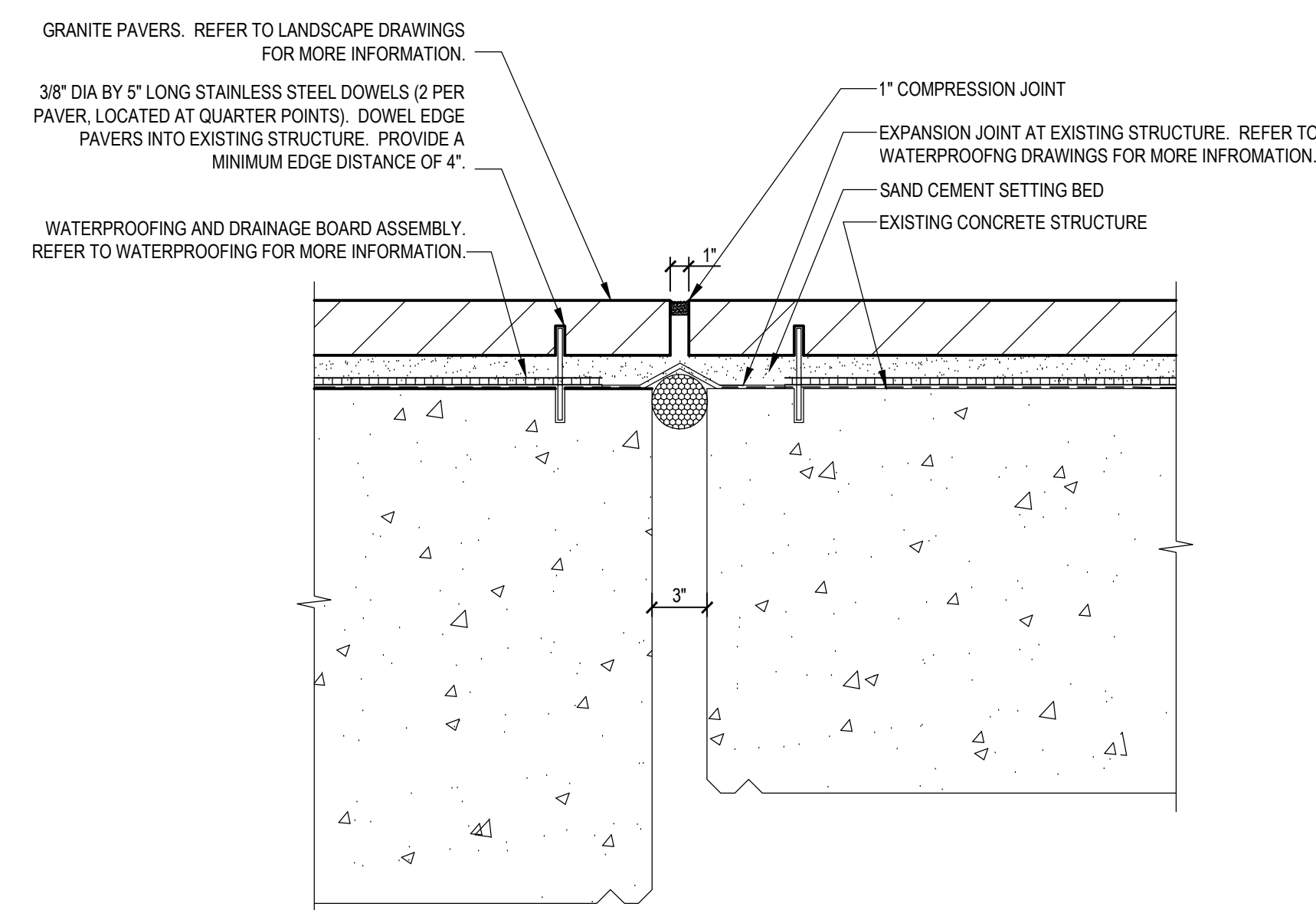
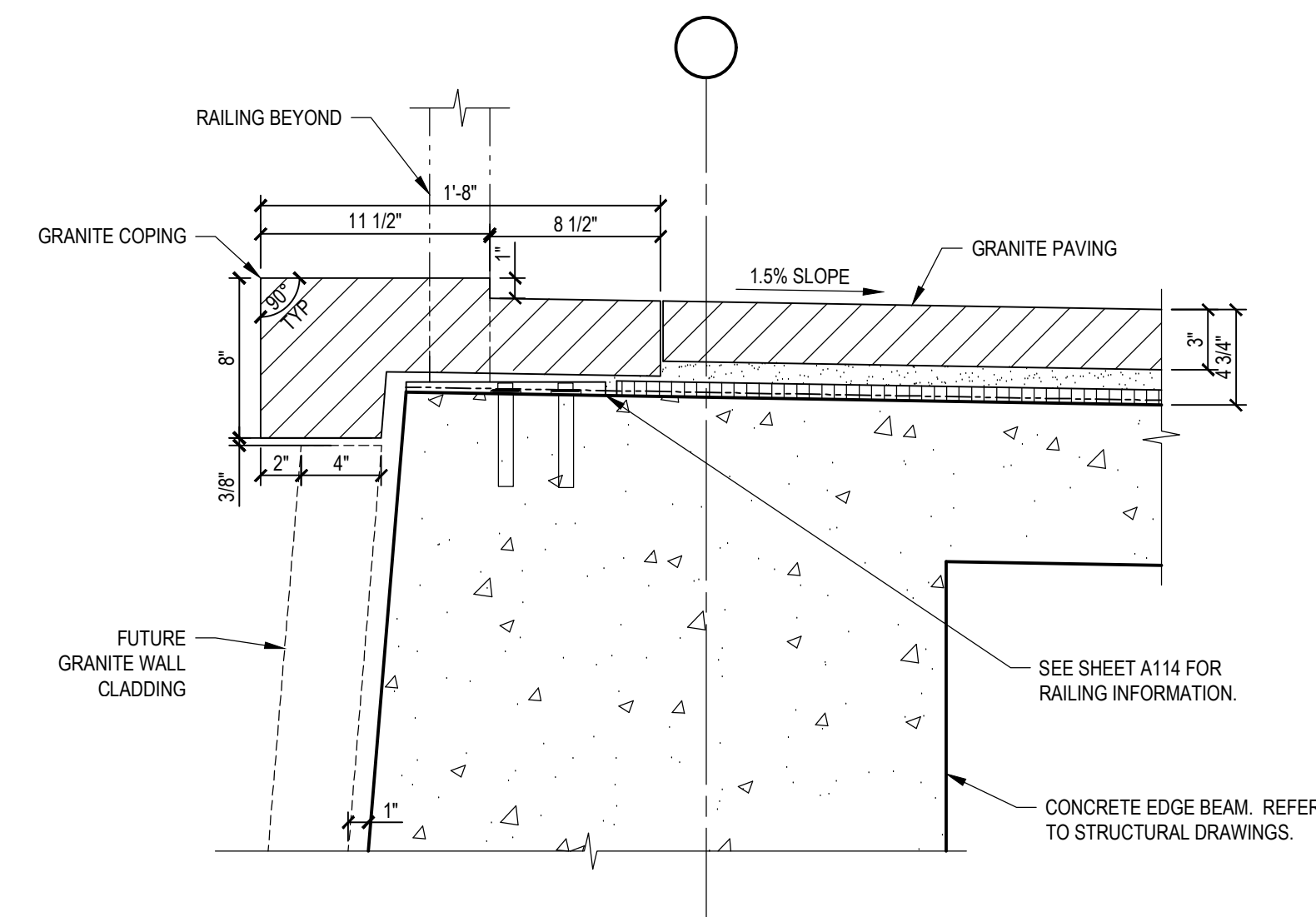
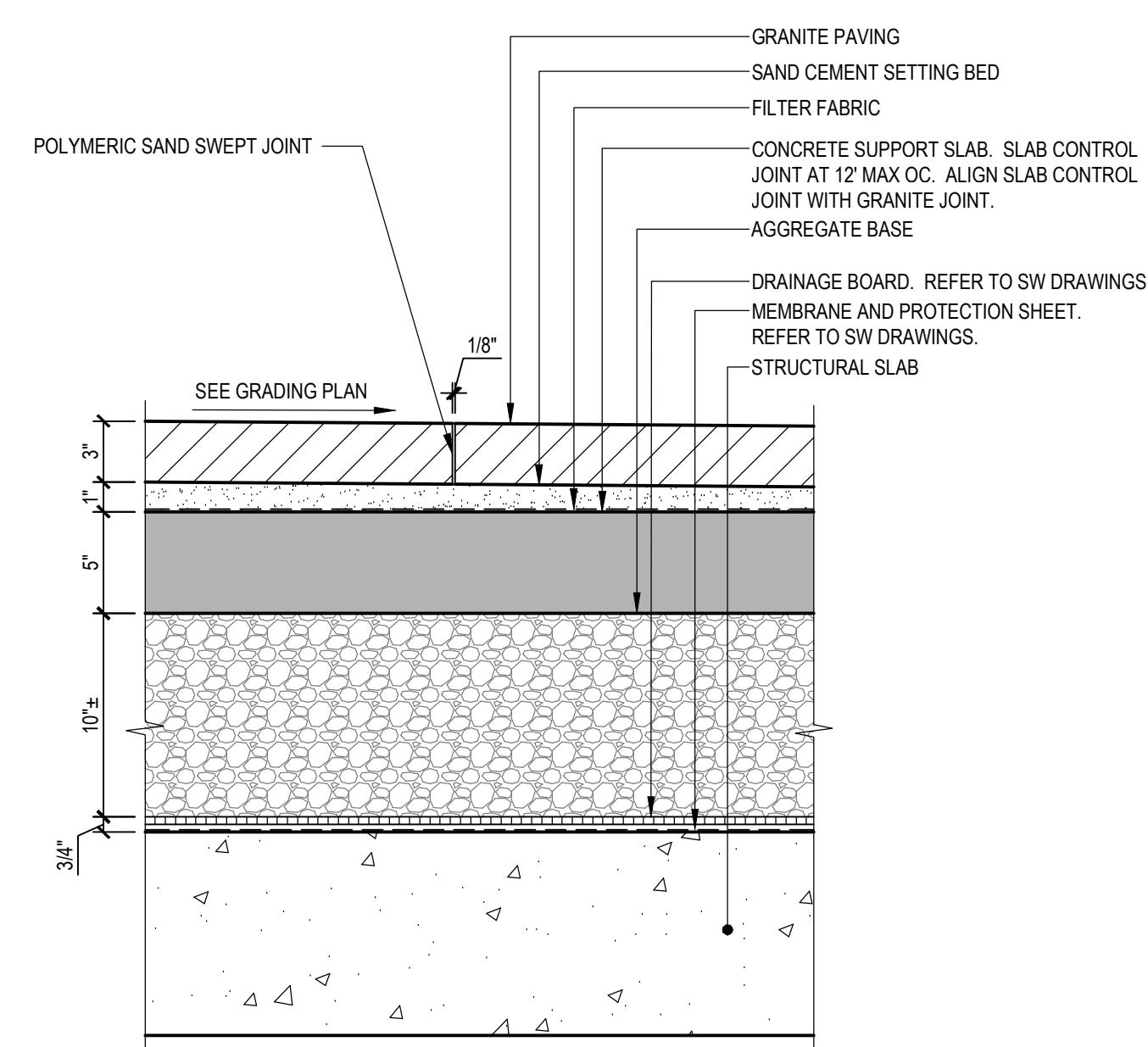
DRAWING TITLE
PARK LEVEL (503)
ENLARGED PLAN

JOB NUMBER
98090.38

DATE
12/12/2019

DRAWING NUMBER
A111





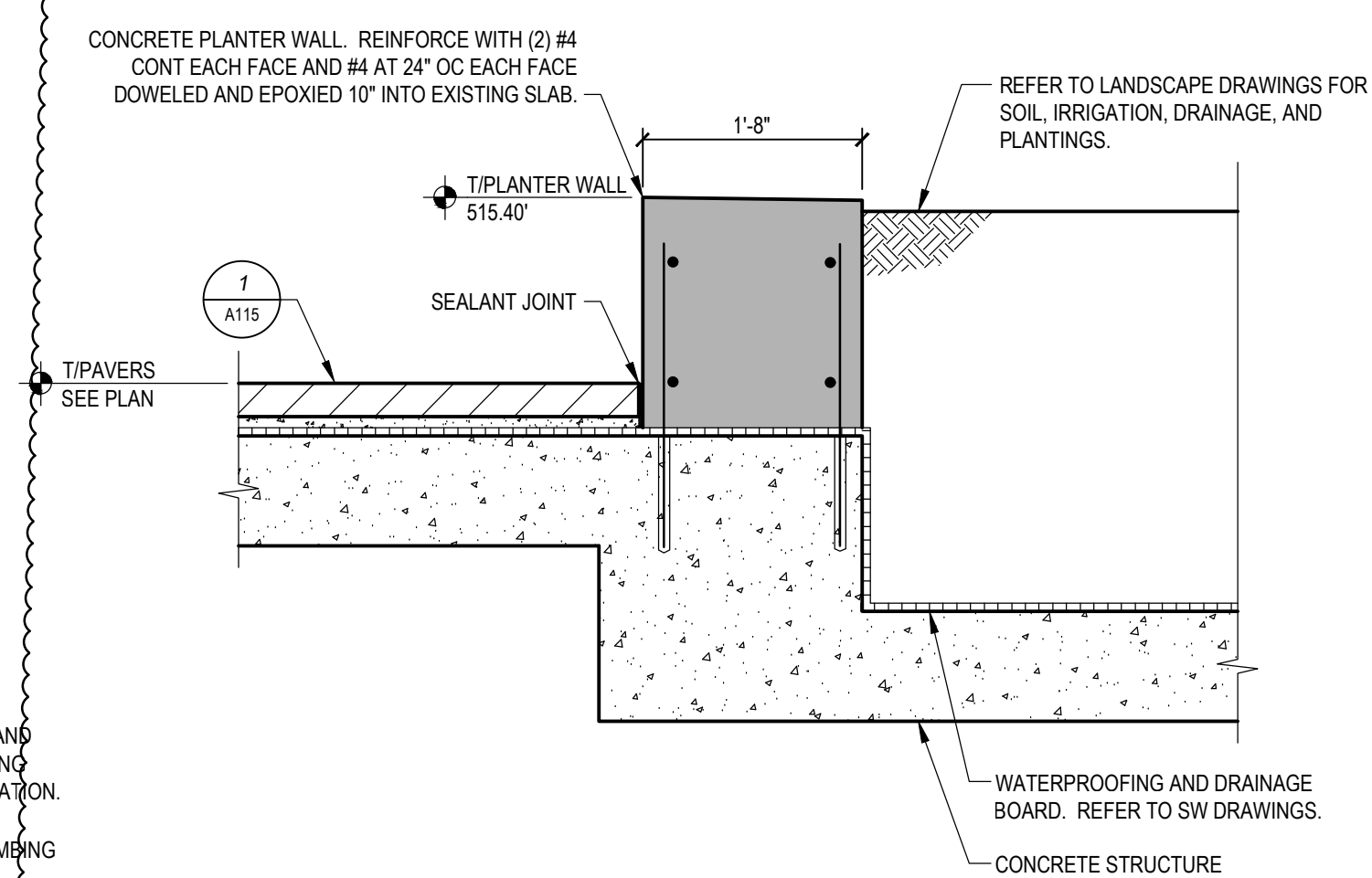
PAVERS ELEVATED OVER STRUCTURAL SLAB
DETAIL
 1 1/2" = 1'-0"

3
A115

COPING AT PERIMETER RAIL
DETAIL

1 1/2" = 1'-0"

PAVERS AT EXPANSION JOINT
DETAIL
1 1/2" = 1'-0"

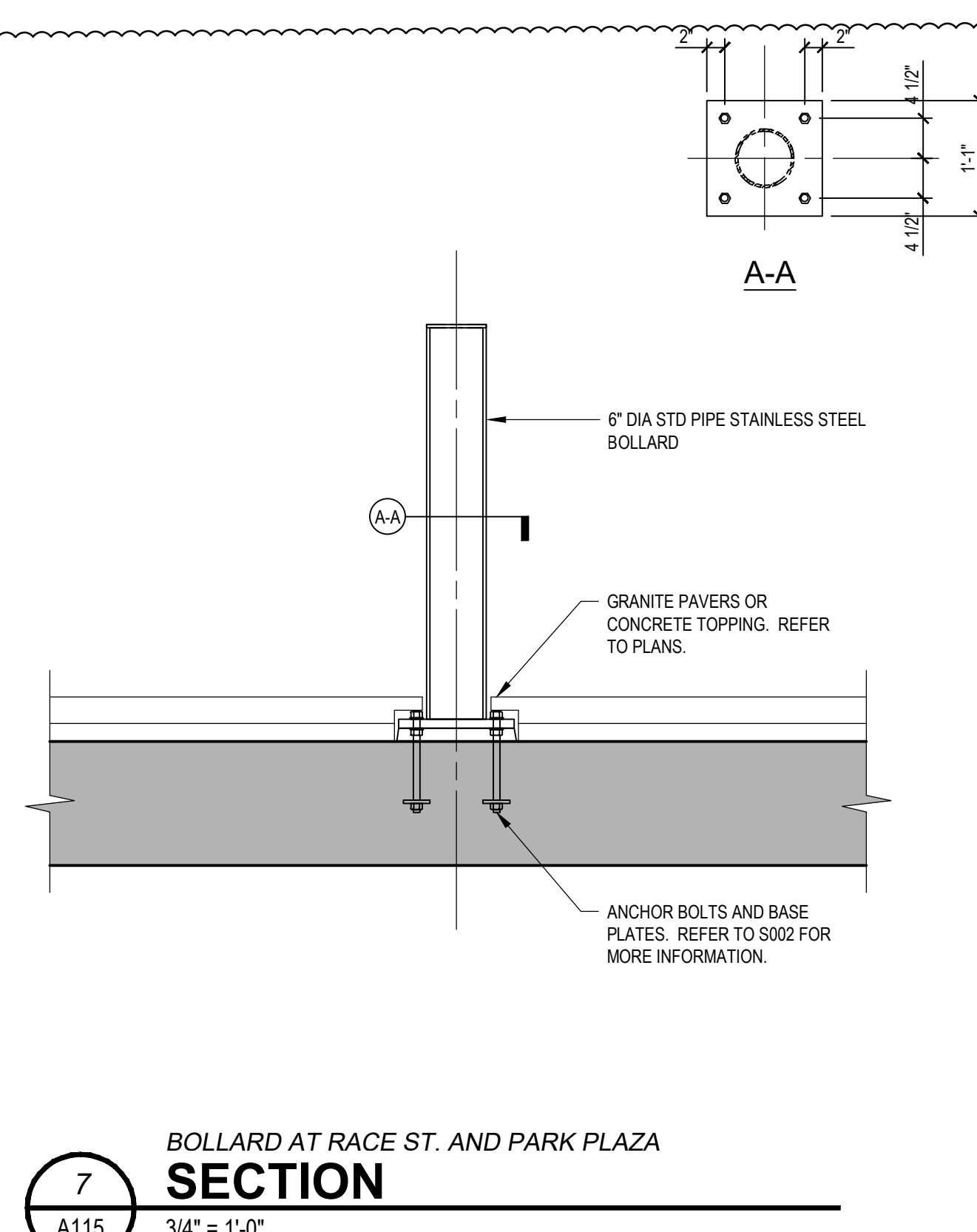


PAVERS AT SLOT DRAIN
DETAIL
1 1/2" = 1'-0"

6
A115

UPPER RACE STREET PLANTER
DETAIL

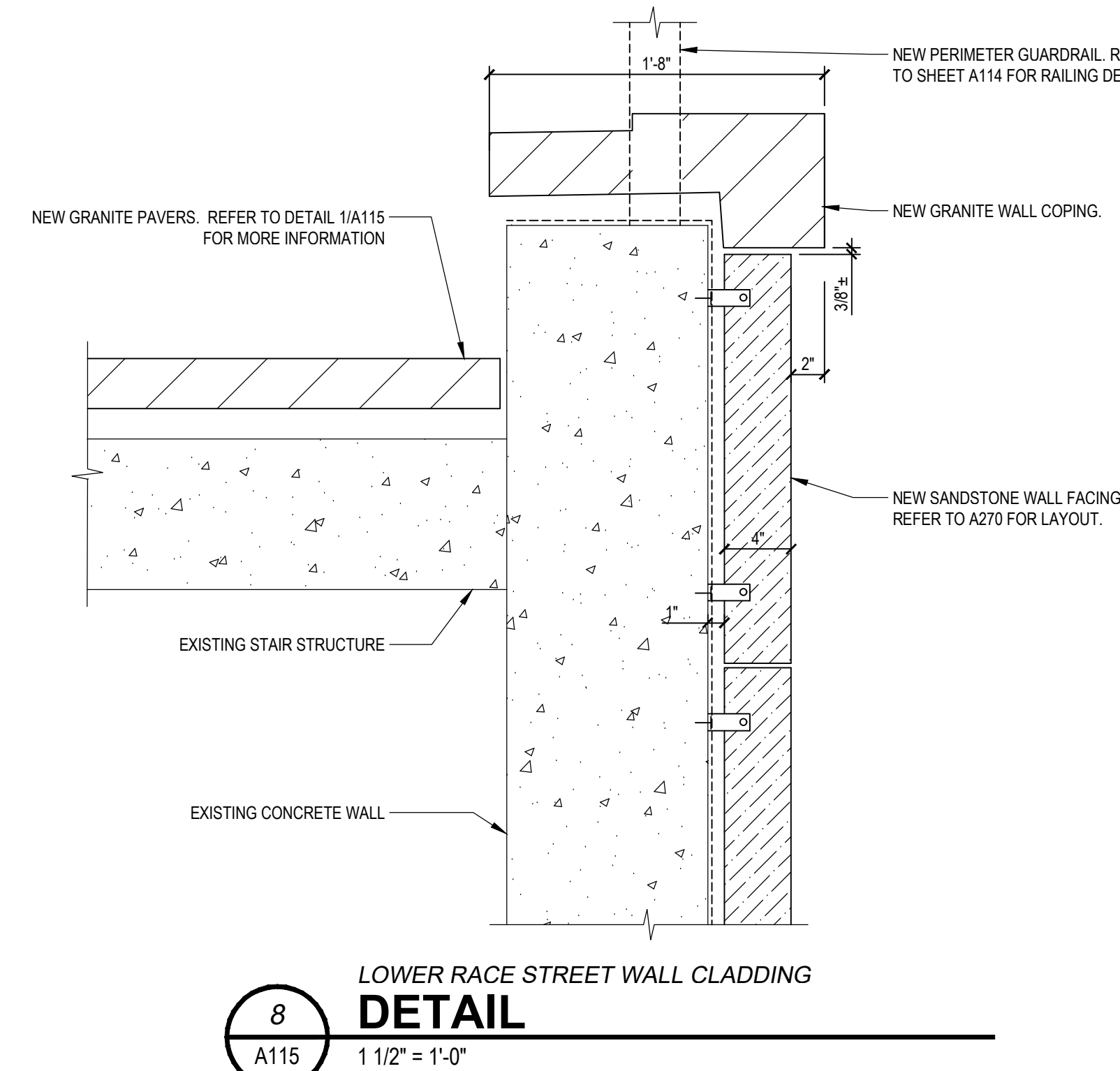
3/4" = 1'-0"



BOLLARD AT RACE ST. AND PARK PLAZA

SECTION

7
Δ115 3/4" = 1'-0"



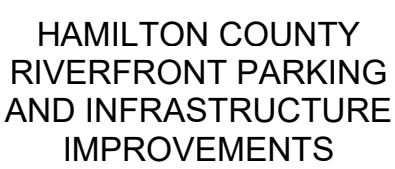
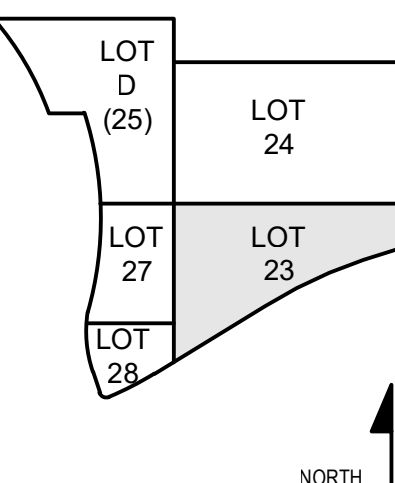
8
A115

LOWER RACE STREET WALL CLADDING
DETAIL
1 1/2" = 1'-0"



9
A115

UPPER RACE STREET WALL CLADDING
DETAIL
1 1/2" = 1'-0"

[illegible]

DRAWN BY: L.C.G.
ENGINEER: M.S.M.
CHECKED BY: M.L.H.

THE BANKS
PHASE 3B

LOT 23/27/28 GARAGE &
RACE ST. TURNAROUND

DRAWING TITLE
PAVING DETAILS

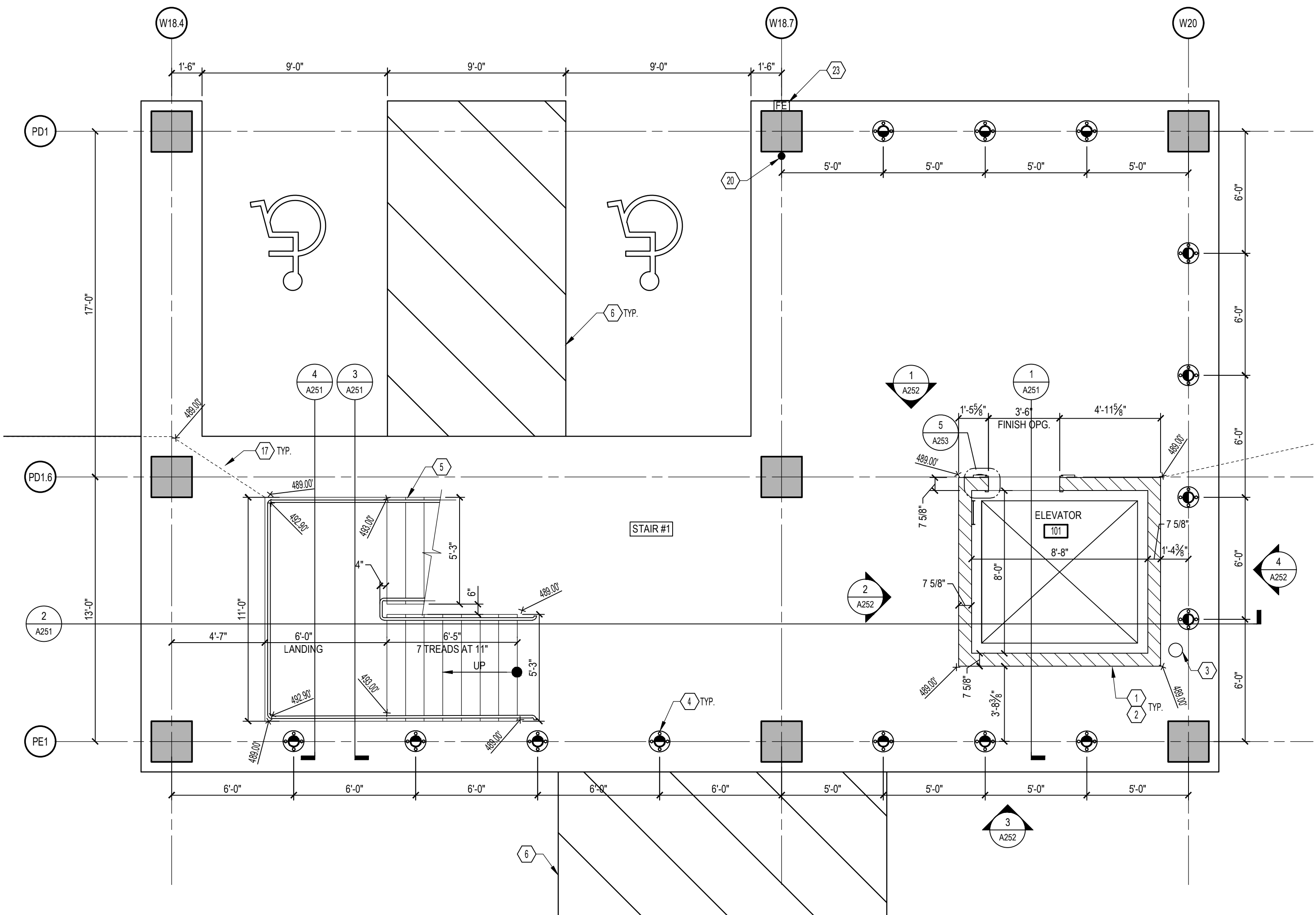
JOB NUMBER	DATE
98090.38	01/31/2020
DRAWING NUMBER	

A115

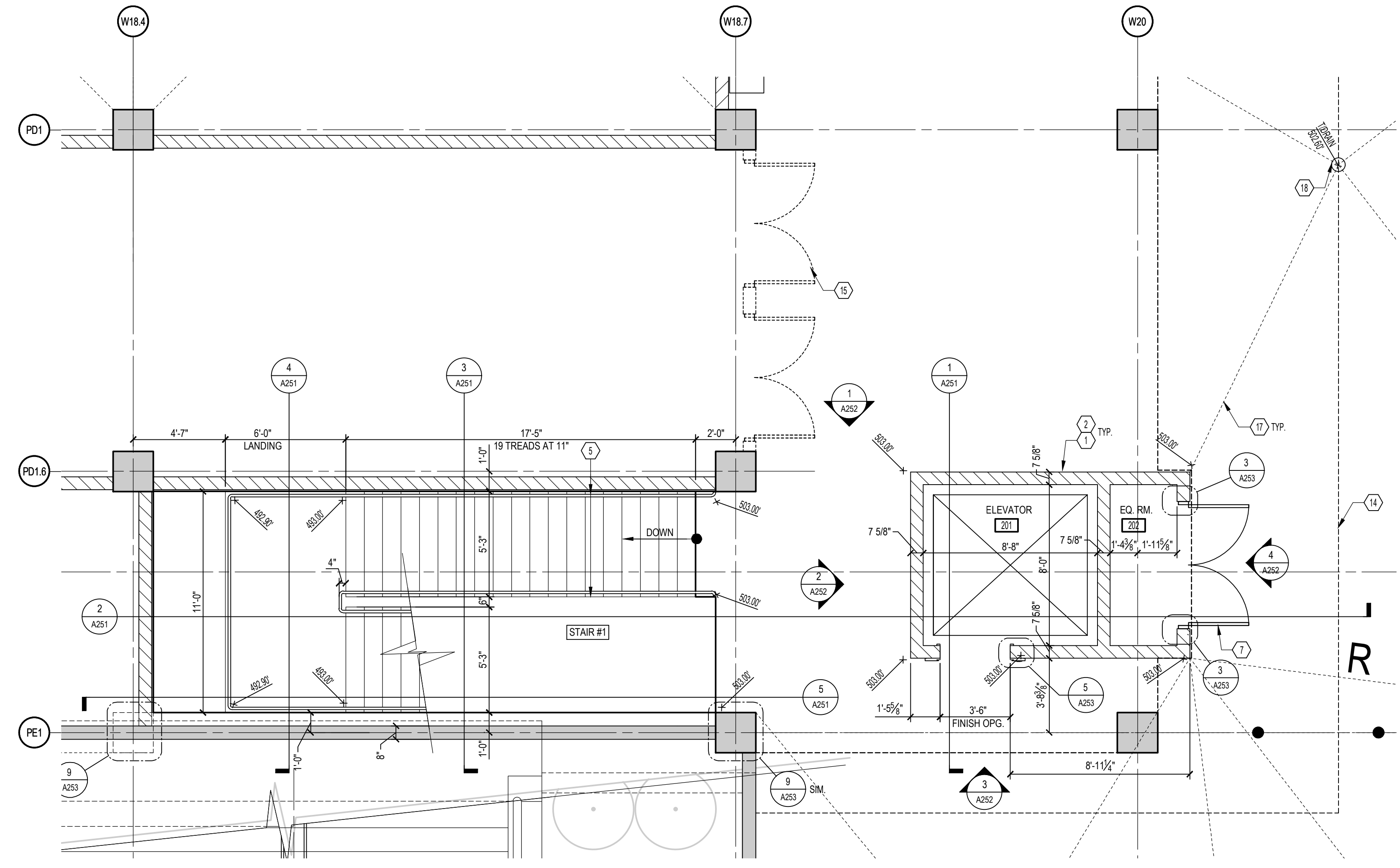


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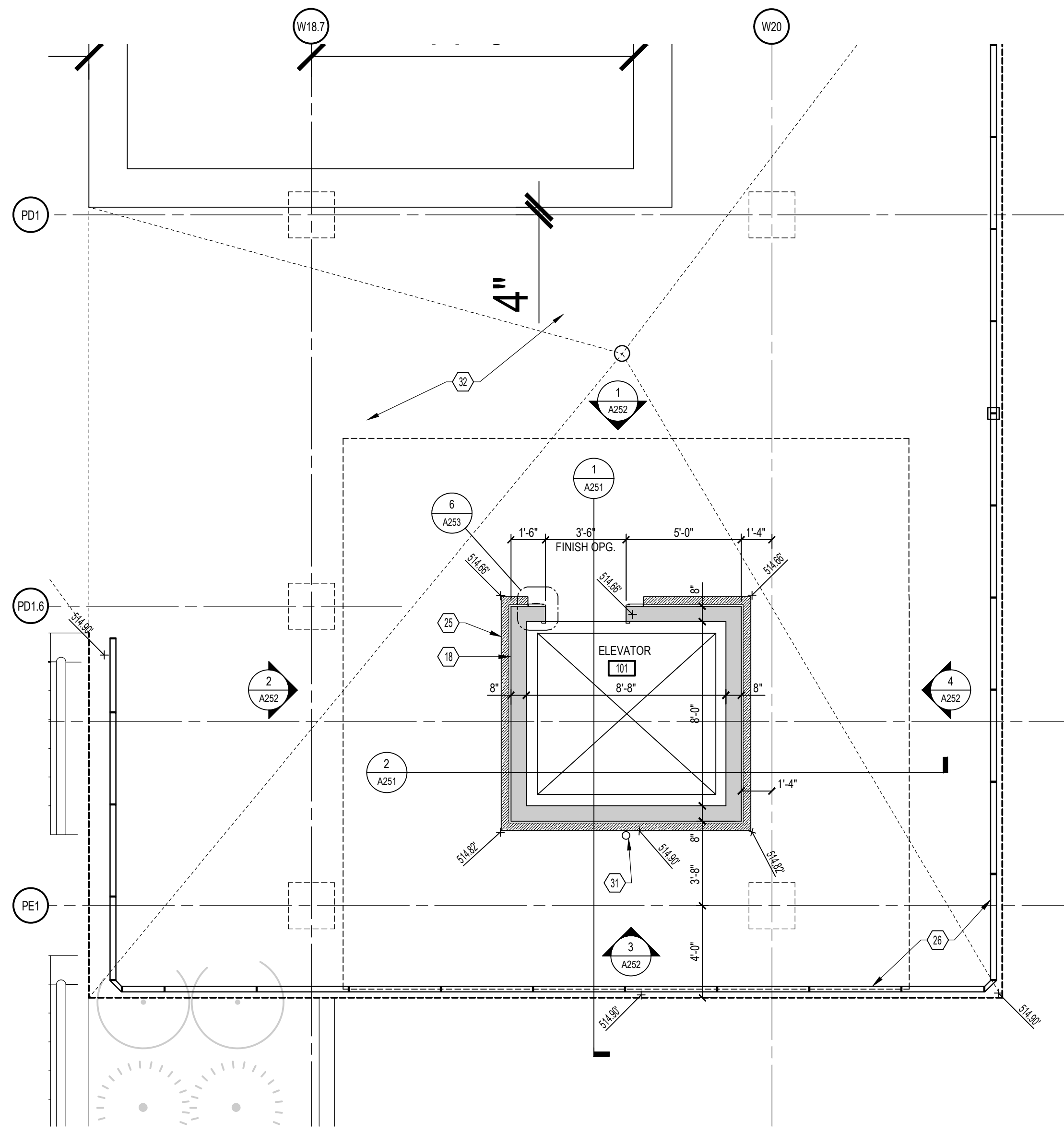
THP
THP Limited, Inc.
Consulting Engineers
100 East Eighth Street
Cincinnati, Ohio 45202
Phone: (513) 241-5222
Fax: (513) 241-2981



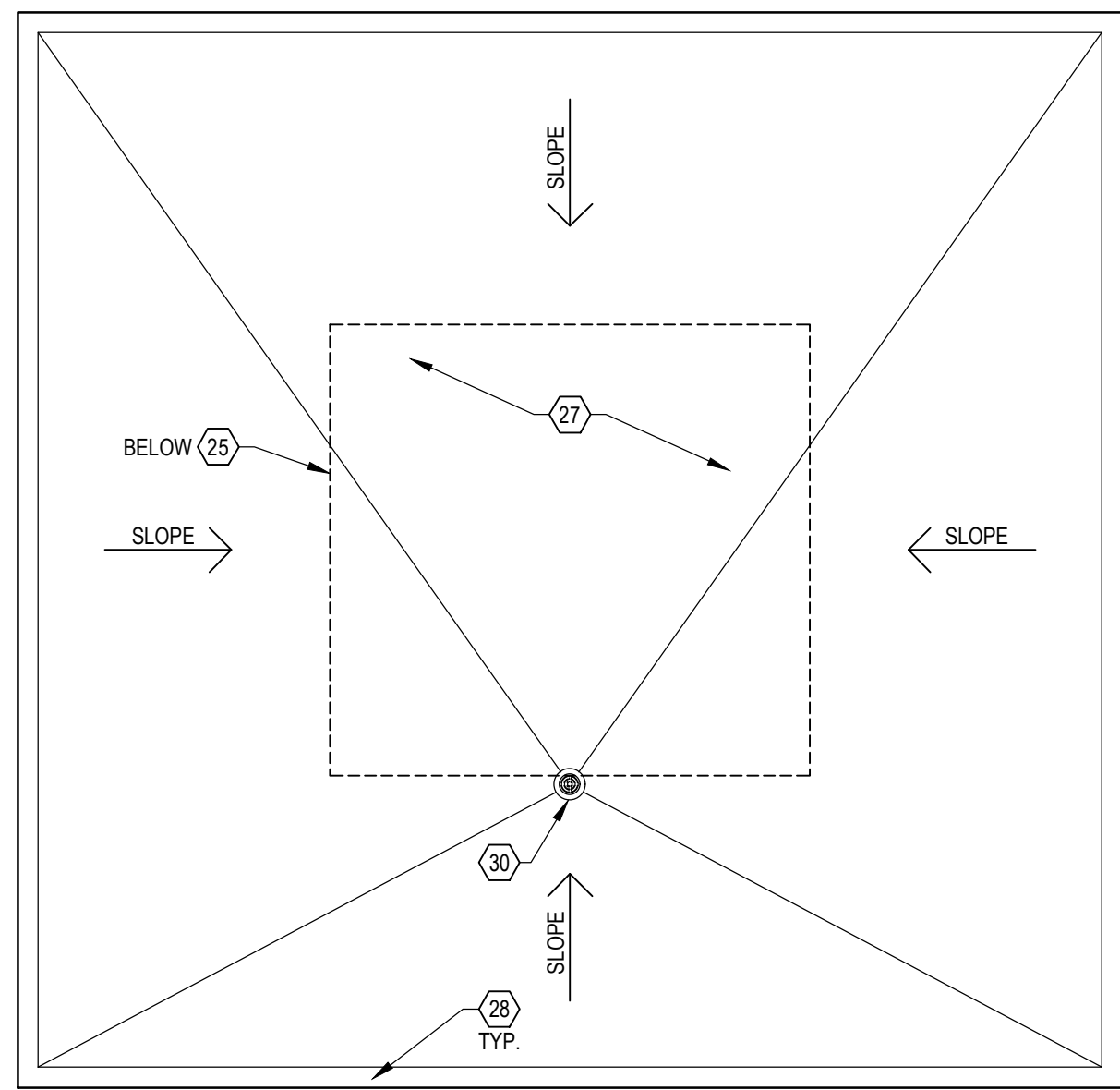
LOT 23 STAIR AND ELEVATOR - LOWER LEVEL
PARTIAL PLAN
1
A250
1/4" = 1'-0"
NORTH



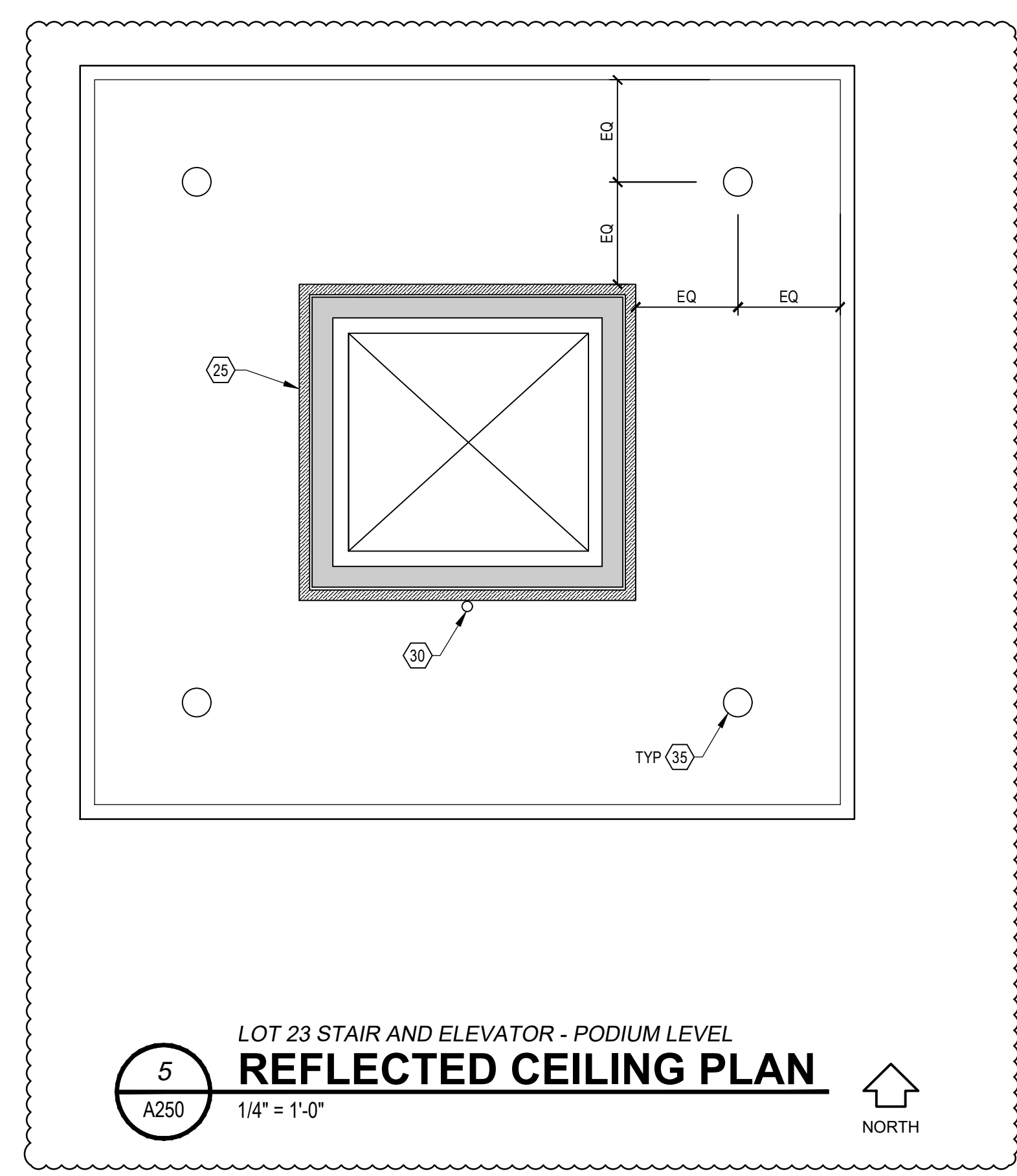
LOT 23 STAIR AND ELEVATOR - PARK LEVEL
PARTIAL PLAN
2
A250
1/4" = 1'-0"
NORTH



LOT 23 STAIR AND ELEVATOR - PODIUM LEVEL
PARTIAL PLAN
3
A250
1/4" = 1'-0"
NORTH



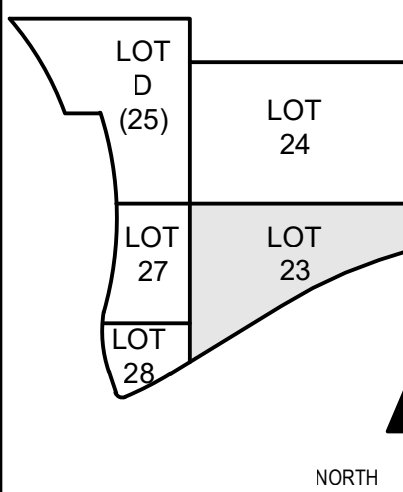
LOT 23 STAIR AND ELEVATOR - PODIUM LEVEL
ROOF PLAN
4
A250
1/4" = 1'-0"
NORTH



LOT 23 STAIR AND ELEVATOR - PODIUM LEVEL
REFLECTED CEILING PLAN
5
A250
1/4" = 1'-0"
NORTH

- DRAWING NOTES A250-A252:**
- 8" CONCRETE MASONRY UNIT (UNPAINTED UNLESS OTHERWISE). SEE 042000 AND ELEVATIONS (DWG. A252).
 - 4" SPLIT-FACE CONCRETE MASONRY UNIT (UNPAINTED UNLESS NOTED OTHERWISE). SEE 042000 AND ELEVATIONS (DWG. A252).
 - HUB DRAIN FOR ELEVATOR SUMP UNIT. SEE 142000 AND P-SERIES DRAWINGS.
 - STAINLESS STEEL BOLLARD. SEE 057000.
 - STAINLESS STEEL GUARDRAIL AND HANDRAIL. SEE 055000.
 - PARKING SPACE OR PAVEMENT MARKINGS. SEE 321723.
 - HOLLOW METAL DOOR AND FRAME. SEE 081100.
 - STAINLESS STEEL ELEVATOR HOISTWAY DOORS, FRAMES, AND TRIM. SEE 142100 AND 057000.
 - ELEVATOR CALL BUTTON STATION. SEE 142100.
 - ELEVATOR WALL LANTERN. SEE 142100.
 - ELEVATOR PIT.
 - ELEVATOR PIT LADDER.
 - COORDINATE LIGHT FIXTURE. LOCATIONS AND QUANTITY WITH ELECTRICAL CONTRACTOR.
 - PLAZA SLAB EDGE ABOVE.
 - HOLLOW METAL DOORS BY OTHER.
 - CONCRETE WALL (UNPAINTED UNLESS OTHERWISE).
 - DRAINAGE RIDGE OR VALLEY IN SLAB. SEE A100 SERIES PLANS.
 - FLOOR DRAIN. SEE P-SERIES DRAWINGS.
 - PILES IN PREVIOUS BID PACKAGE.
 - CONCRETE SLAB ON GRADE.
 - FIRE RISER TO FIRE DEPARTMENT VALVE. SEE FP-SERIES.
 - STEEL ELEVATOR HOIST BEAM. SEE 05500.
 - FIRE EXTINGUISHER AND CABINET. SEE 104400.
 - EXIT SIGN. SEE E-SERIES DRAWINGS.
 - 4" THICK STONE VENEER - CHAT-SAWN SANDSTONE AND BROWN GRANITE BASE TO MATCH EXISTING. ANCHOR TO CONCRETE WALL WITH STAINLESS STEEL STRAP ANCHORS AT EACH COURSE.
 - GUARD RAIL.
 - SINGLE-PLY MEMBRANE ROOFING ON TAPERED RIGID INSULATION.
 - ZINC FASCIA.
 - STAINED 3/4" X 4" T&G WOOD SOFFIT.
 - ROOF DRAIN (BASIS OF DESIGN: ZURN Z-125).
 - 4" DIA. PREFINISHED ALUMINUM DOWNSPOUT. CONNECT TO CAST IRON HUB TIED TO STORMWATER PIPING SYSTEM. SEE P-SERIES DRAWINGS.
 - GRANITE PAVERS.
 - GRANITE COPING. REFER TO DRAWING A115 FOR MORE INFORMATION.
 - GRANITE WALL CLADDING. REFER TO DRAWING A115 FOR MORE INFORMATION.
 - RECESSED LIGHT IN SOFFIT. REFER TO ELECTRICAL DRAWINGS.

NO.	DATE	DESCRIPTION
1	8/22/2019	SCOPING SET
2	8/22/2019	BID PACKAGE #5
3	9/20/2019	BID PACKAGE #5
4	12/12/2019	BID PACKAGE #5 - DD PRICING
5	12/12/2019	BID PACKAGE #5 - SCOPING SET
6	1/31/2020	BID PACKAGE #5 - SCOPING SET
7	2/26/2020	BID PACKAGE #5 - ADDENDUM #1



DRAWN BY: J.M.H.
ENGINEER: M.S.M.
CHECKED BY: M.L.H.

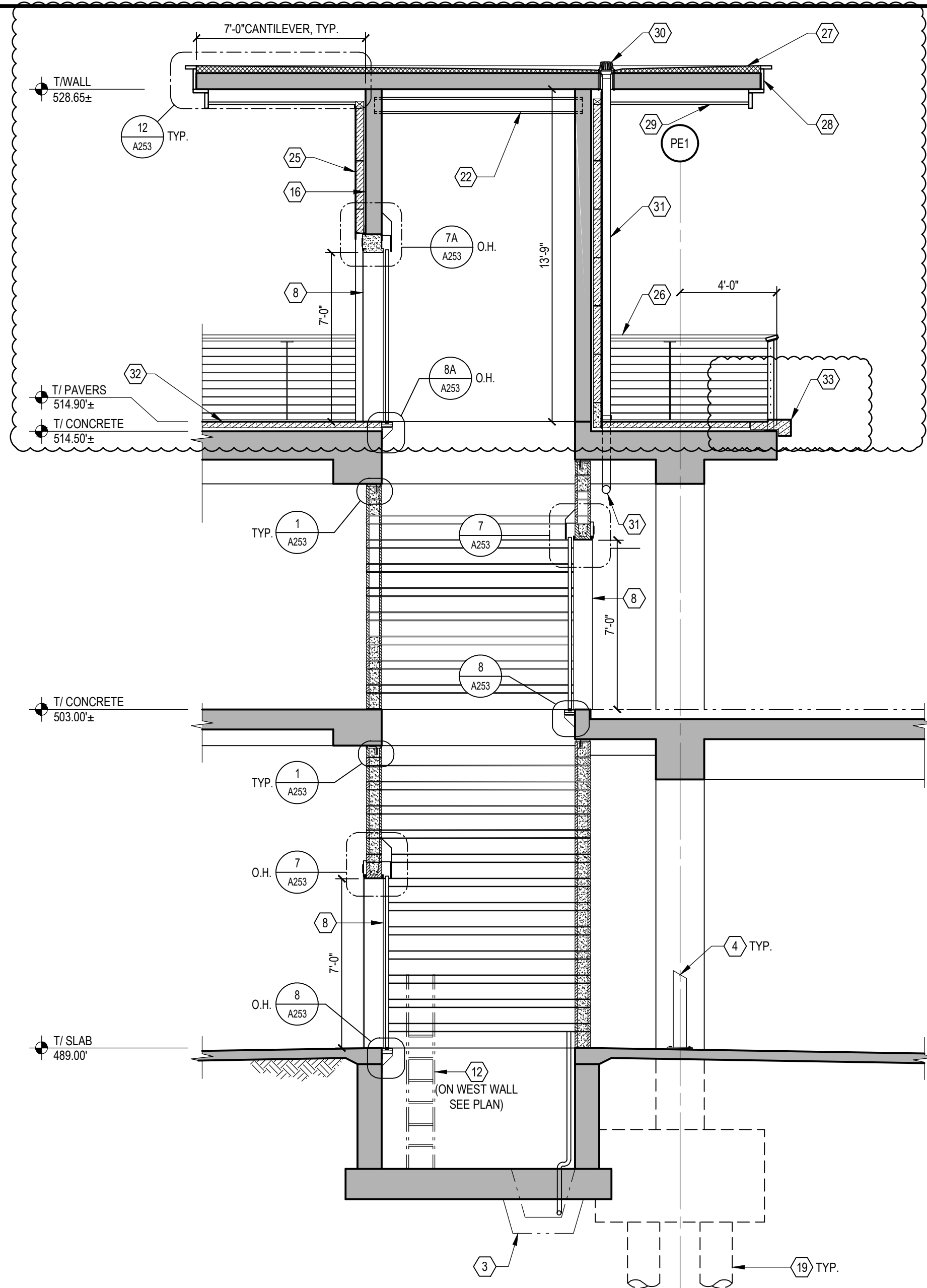
**THE BANKS
PHASE 3B**

LOT 23/27/28 GARAGE &
RACE ST. TURNAROUND

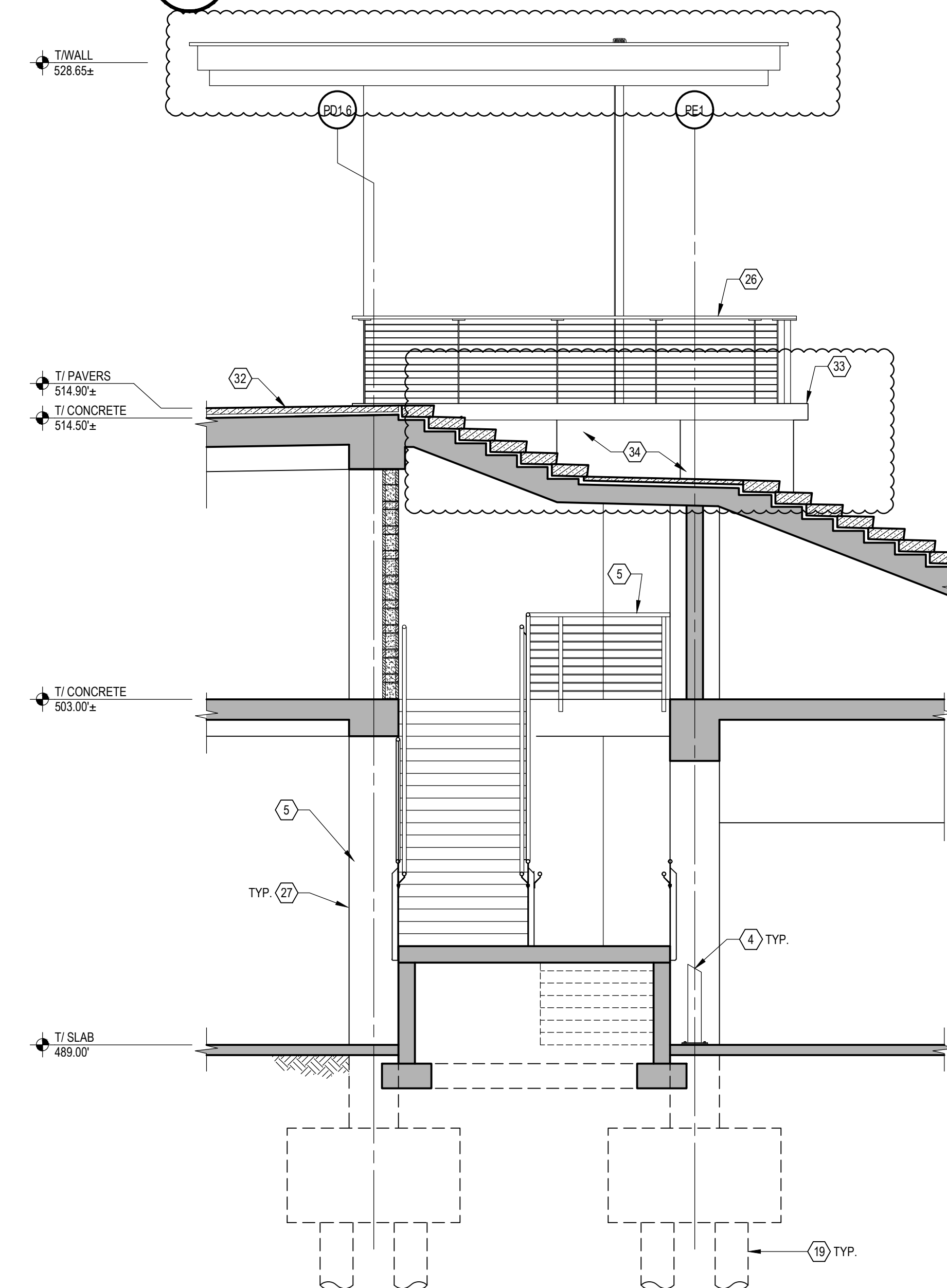
DRAWING TITLE
**LOT 23 STAIR AND
ELEVATOR - PLANS**

JOB NUMBER: 98090.38
DATE: 8/22/2019
DRAWING NUMBER:

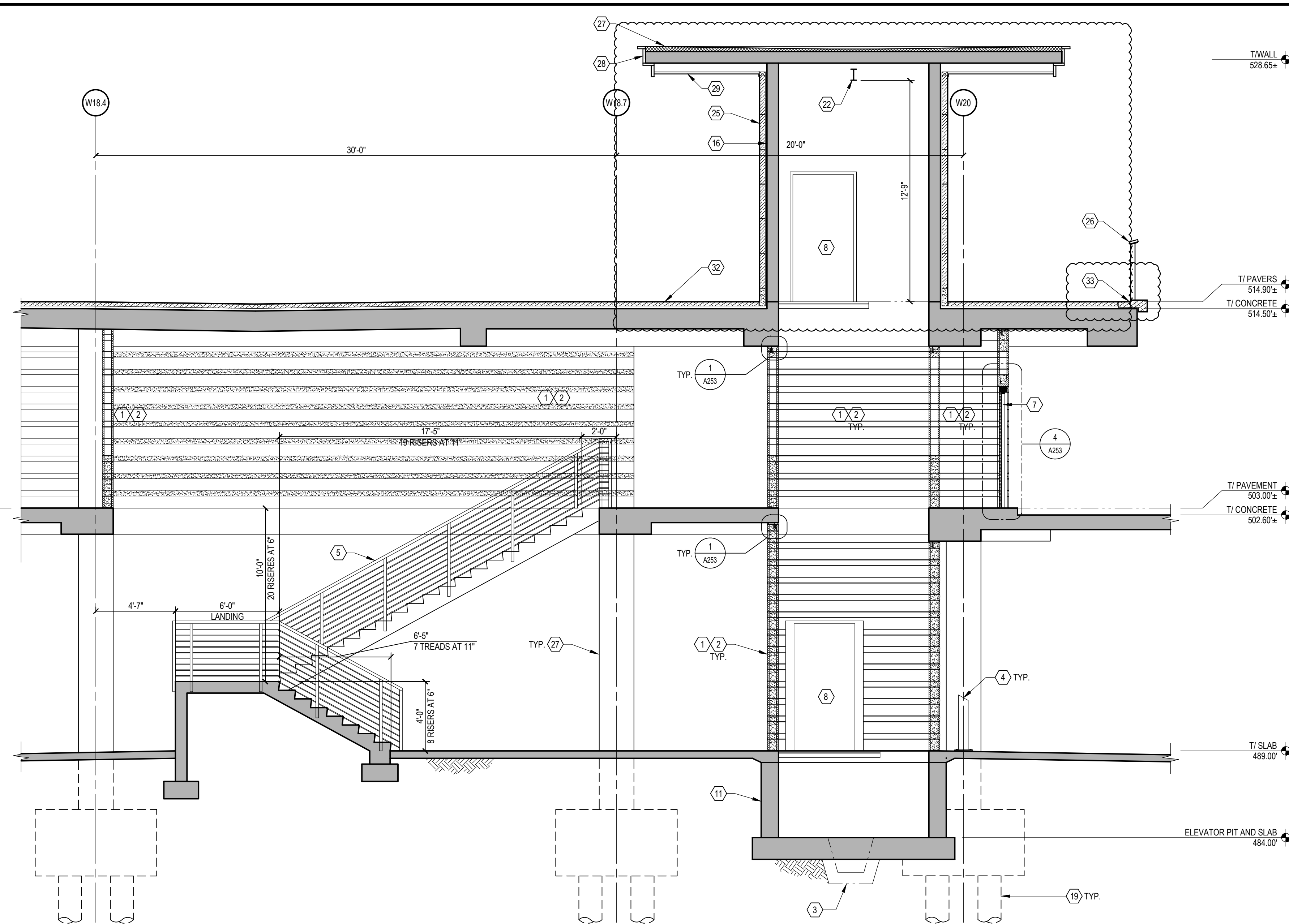
A250



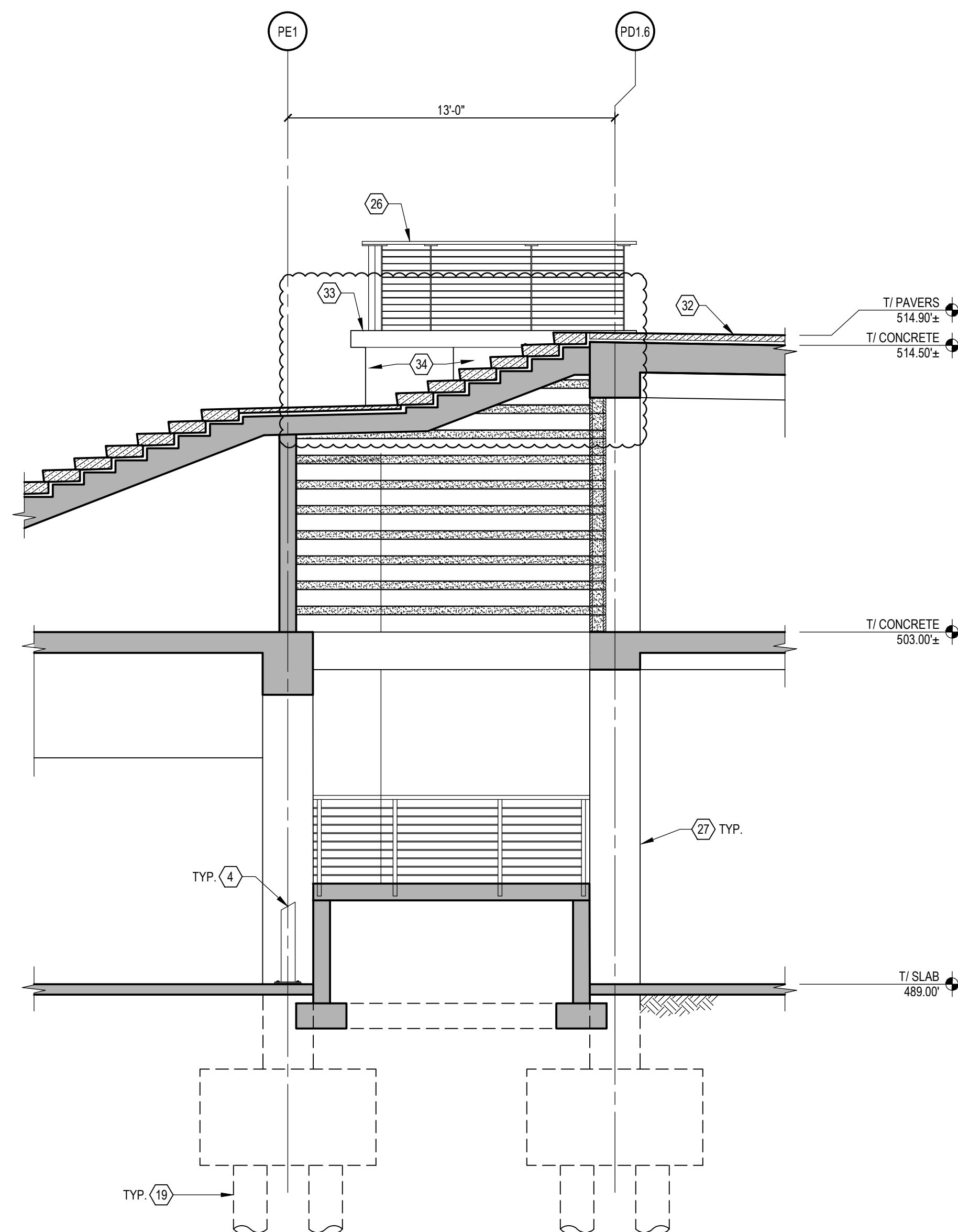
SECTION 1
LOT 23 STAIR AND ELEVATOR
1/4" = 1'-0"



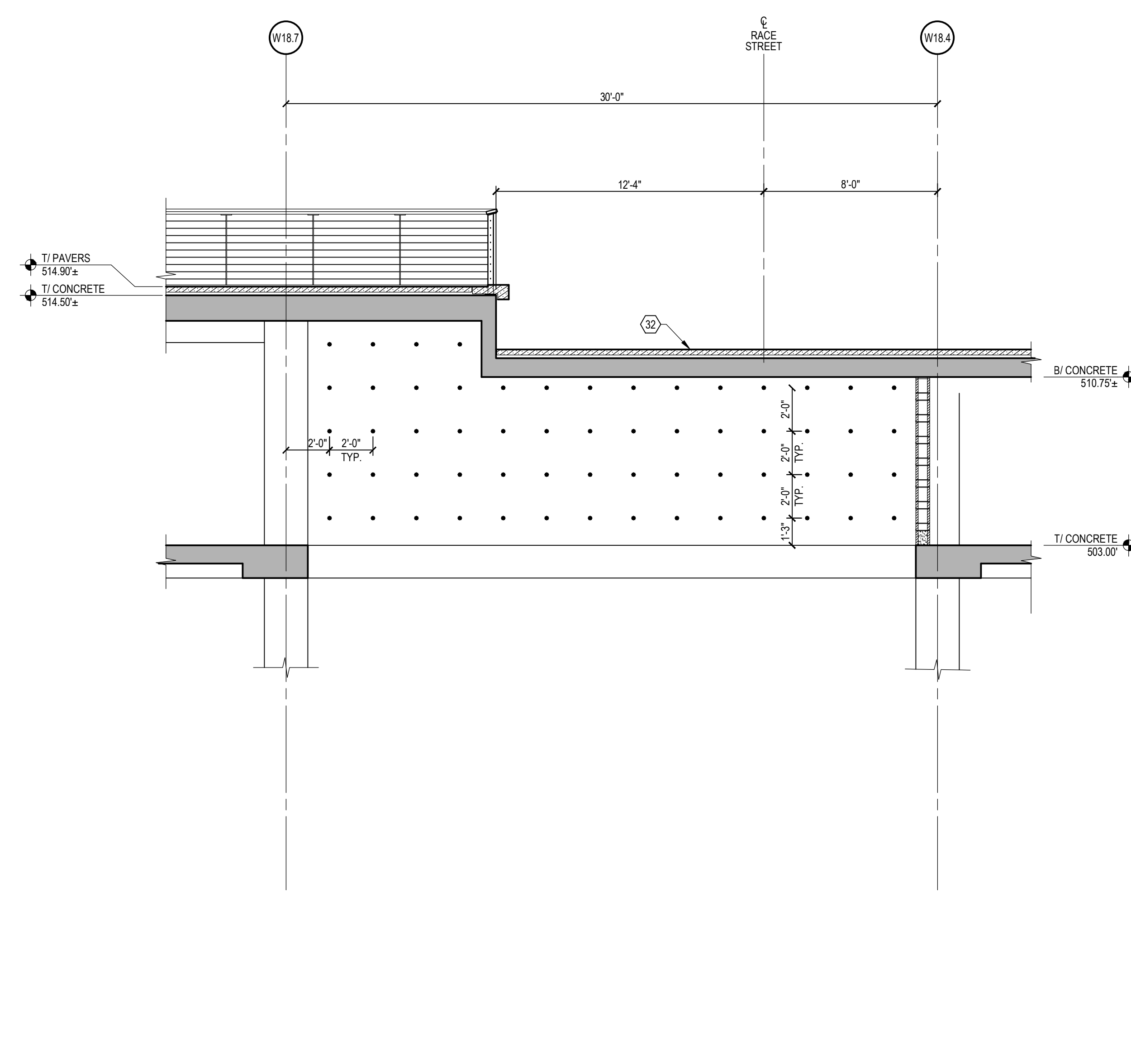
SECTION 3
LOT 23 STAIR AND ELEVATOR
1/4" = 1'-0"



SECTION 2
LOT 23 STAIR AND ELEVATOR
1/4" = 1'-0"



SECTION 4
LOT 23 STAIR AND ELEVATOR
1/4" = 1'-0"



SECTION 5
LOT 23 STAIR AND ELEVATOR
1/4" = 1'-0"

DRAWING NOTES A250-A252:

- 8" CONCRETE MASONRY UNIT (UNPAINTED UNLESS OTHERWISE). SEE 042000 AND ELEVATIONS (DWG. A252).
- 4" SPLIT-FACE CONCRETE MASONRY UNIT (UNPAINTED UNLESS NOTED OTHERWISE). SEE 042000 AND ELEVATIONS (DWG. A252).
- HUB DRAIN FOR ELEVATOR SUMP UNIT. SEE 142400 AND P-SERIES DRAWINGS.
- STAINLESS STEEL BOLLARD. SEE 057000.
- STAINLESS STEEL GUARDRAIL AND HANDRAIL. SEE 055000.
- PARKING SPACE OR PAVEMENT MARKINGS. SEE 321723.
- HOLLOW METAL DOOR AND FRAME. SEE 081100.
- STAINLESS STEEL ELEVATOR HOISTWAY DOORS, FRAMES, AND TRIM. SEE 142100 AND 057000.
- ELEVATOR CALL BUTTON STATION. SEE 142100.
- ELEVATOR HALL LANTERN. SEE 142100.
- ELEVATOR PIT.
- ELEVATOR PIT LADDER.
- COORDINATE LIGHT FIXTURE. LOCATIONS AND QUANTITY WITH ELECTRICAL CONTRACTOR.
- PLAZA SLAB EDGE ABOVE.
- HOLLOW METAL DOORS BY OTHER.
- CONCRETE WALL (UNPAINTED UNLESS OTHERWISE).
- DRAINAGE RIDGE OR VALLEY IN SLAB. SEE A100 SERIES PLANS.
- FLOOR DRAIN. SEE P-SERIES DRAWINGS.
- PILES IN PREVIOUS BID PACKAGE.
- CONCRETE SLAB ON GRADE.
- FIRE RISER TO FIRE DEPARTMENT VALVE. SEE FP-SERIES.
- STEEL ELEVATOR HOIST BEAM. SEE 05500.
- FIRE EXTINGUISHER AND CABINET. SEE 104400.
- EXIT SIGN. SEE E-SERIES DRAWINGS.
- 4" THICK STONE VENEER - CHAT-SAWN SANDSTONE AND BROWN GRANITE BASE TO MATCH EXISTING. ANCHOR TO CONCRETE WALL WITH STAINLESS STEEL STRAP ANCHORS AT EACH COURSE.
- GUARD RAIL.
- SINGLE PLY MEMBRANE ROOFING ON TAPERED RIGID INSULATION.
- ZINC FASCIA.
- STAINED 3/4" X 4" T&G WOOD SOFFIT.
- ROOF DRAIN (BASIS OF DESIGN: ZURN Z-125).
- 4" DIA. PREFINISHED ALUMINUM DOWNSPOUT. CONNECT TO CAST IRON HUB TIED TO STORMWATER PIPING SYSTEM. SEE P-SERIES DRAWINGS.
- GRANITE PAVERS.
- GRANITE COPING. REFER TO DRAWING A115 FOR MORE INFORMATION.
- GRANITE WALL CLADDING. REFER TO DRAWING A115 FOR MORE INFORMATION.
- RECESSED LIGHT IN SOFFIT. REFER TO ELECTRICAL DRAWINGS.

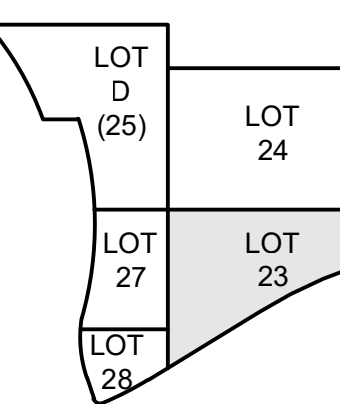


HAMILTON COUNTY
RIVERFRONT PARKING
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IMPROVEMENTS

THP

THP Limited, Inc.
Consulting Engineers
100 East Eighth Street
Cincinnati, Ohio 45202
Phone: (513) 241-5222
Fax: (513) 241-2981

NO.	DATE	DESCRIPTION
1	8/22/2019	SCOPING SET
2	8/22/2019	BID PACKAGE #5
3	9/20/2019	BID PACKAGE #5
4	12/12/2019	BID PACKAGE #5 - DD PRICING
5	12/12/2019	BID PACKAGE #5 - DD PRICING
6	12/12/2019	BID PACKAGE #5 - DD PRICING
7	12/12/2019	BID PACKAGE #5 - DD PRICING
8	12/12/2019	BID PACKAGE #5 - DD PRICING



DRAWN BY: J.M.H.
ENGINEER: M.S.M.
CHECKED BY: M.L.H.

**THE BANKS
PHASE 3B**

LOT 23/27/28 GARAGE &
RACE ST. TURNAROUND

DRAWING TITLE
LOT 23 STAIR AND
ELEVATOR - SECTIONS

JOB NUMBER
98090.38
DATE
8/22/2019
DRAWING NUMBER

A251

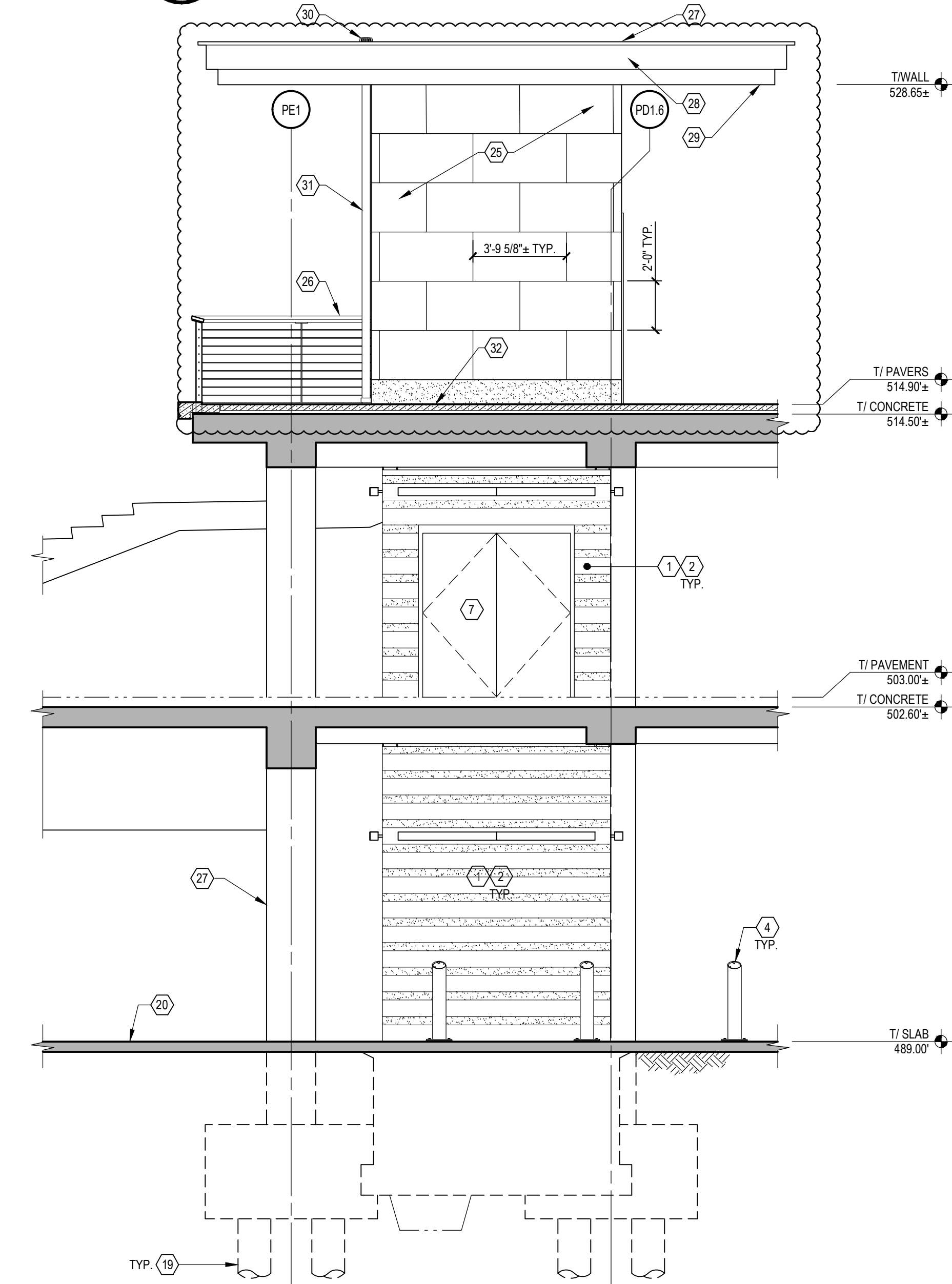
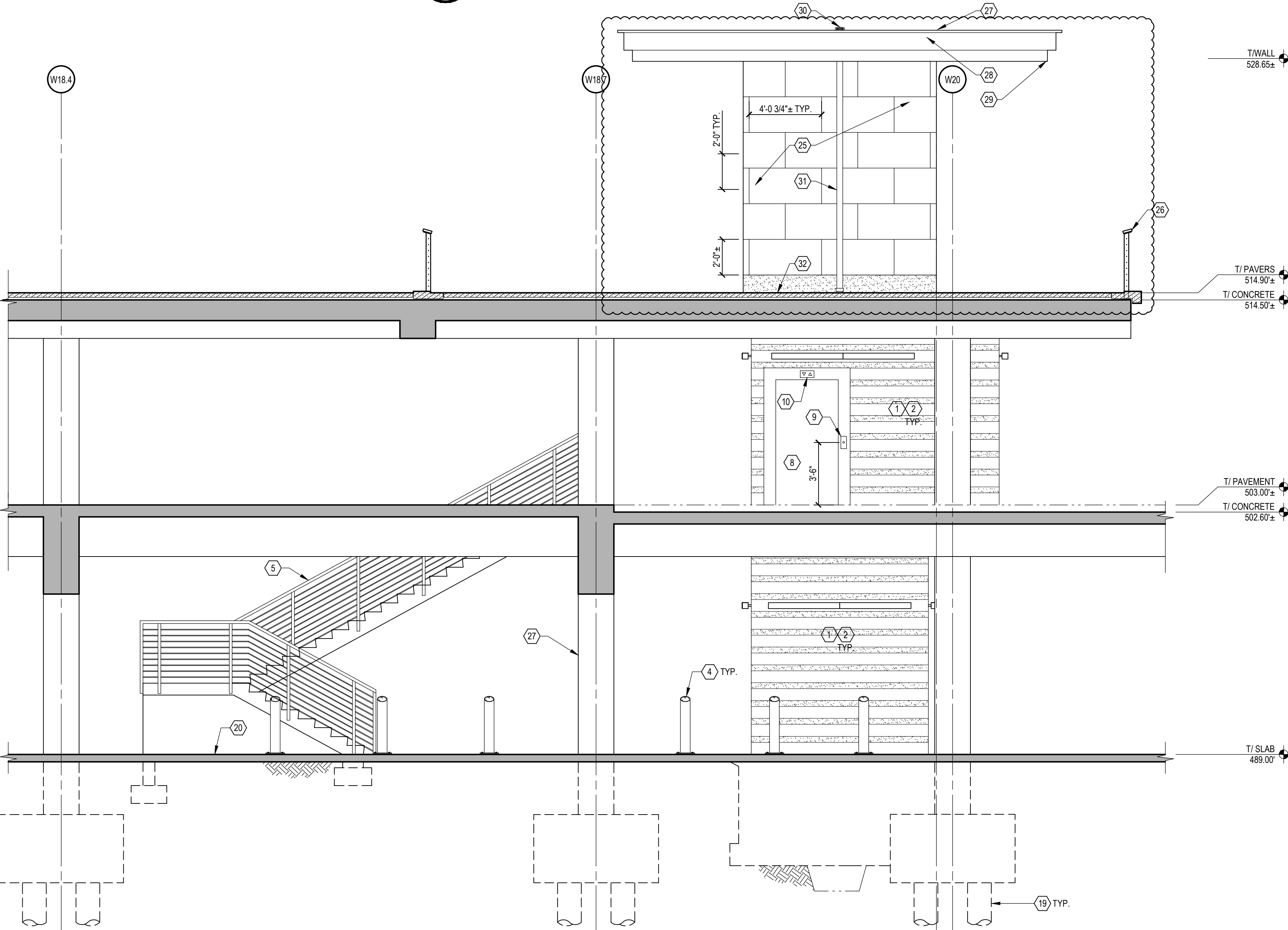
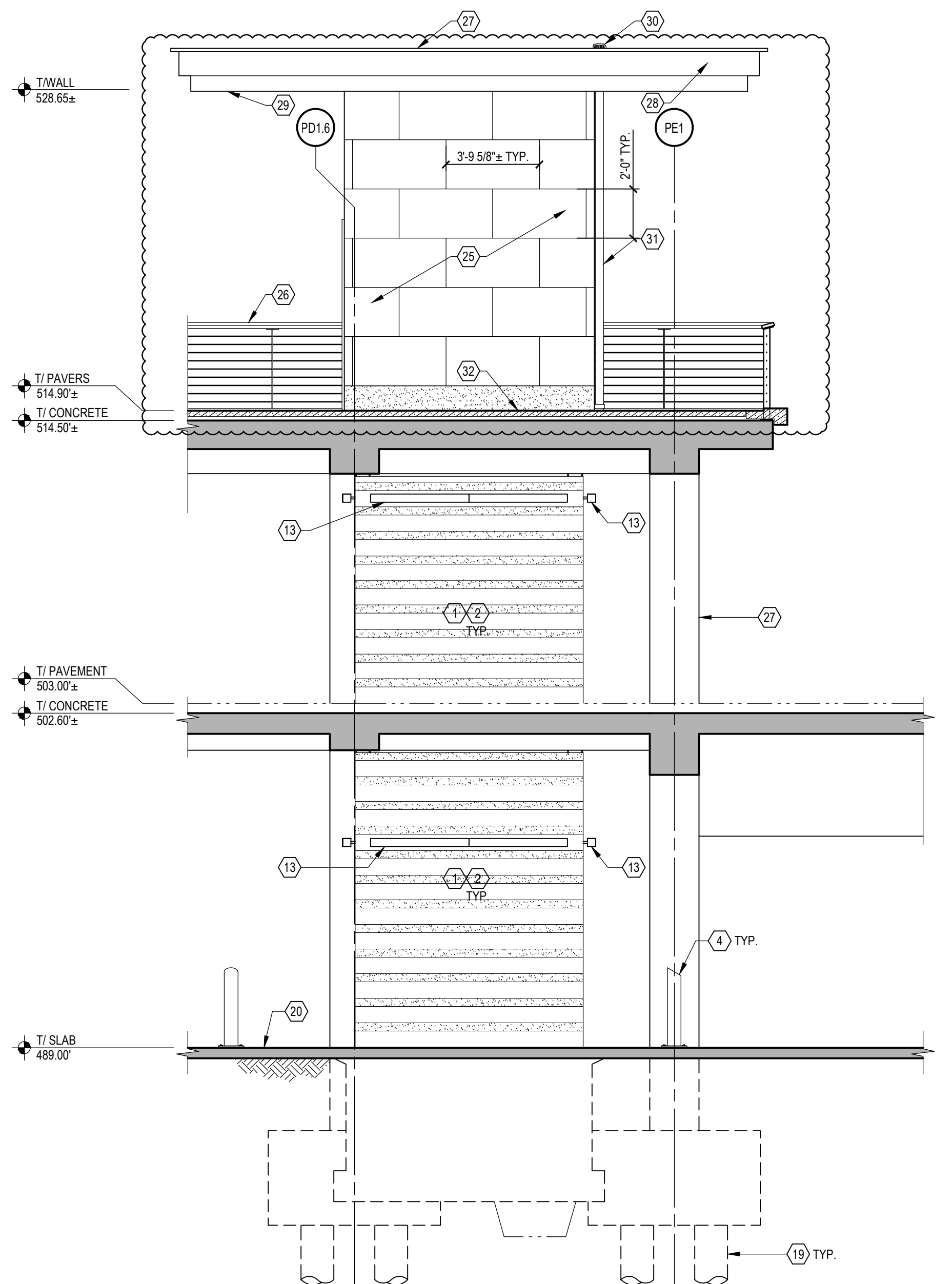
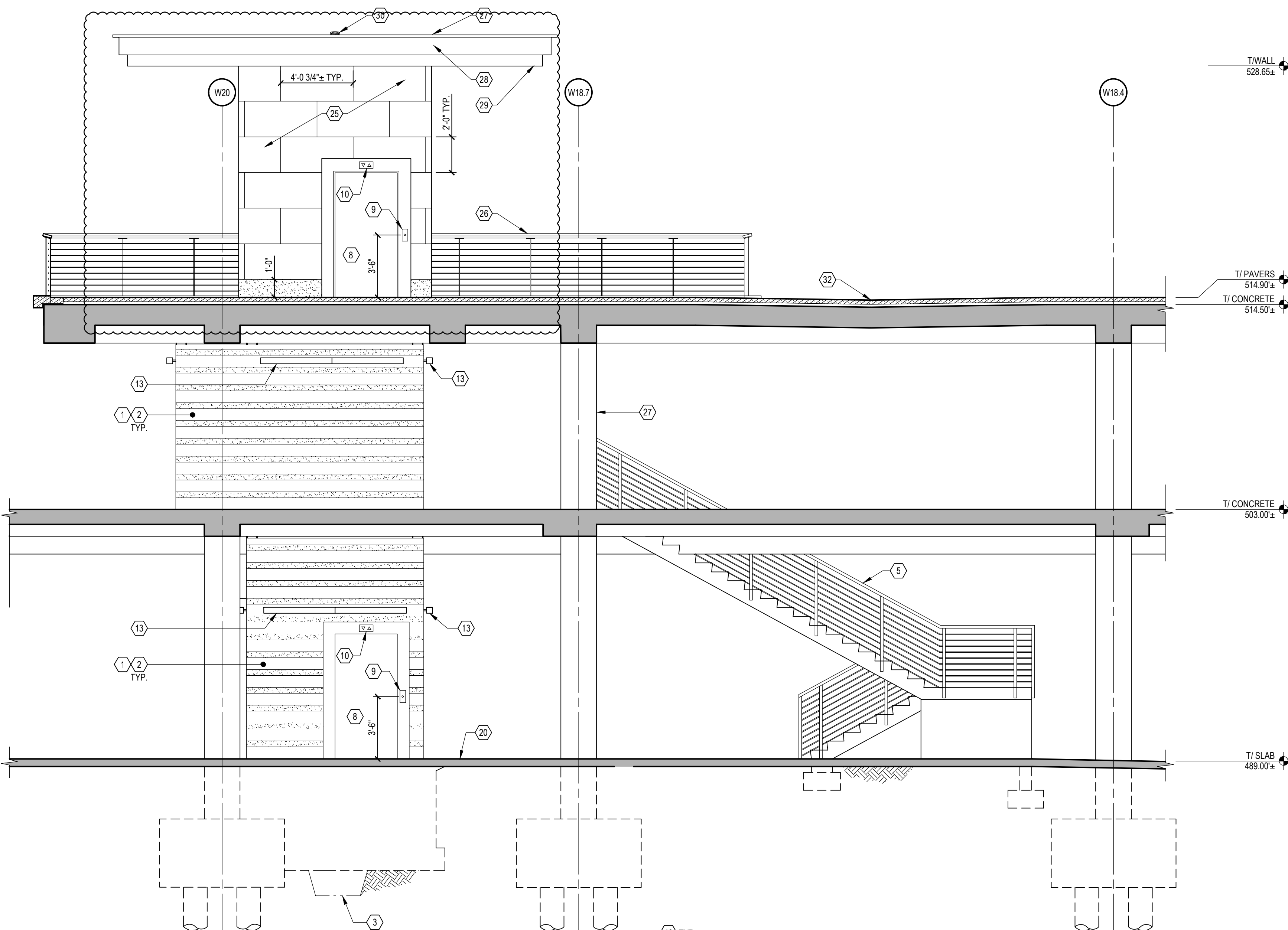


HAMILTON COUNTY
RIVERFRONT PARKING
AND INFRASTRUCTURE
IMPROVEMENTS

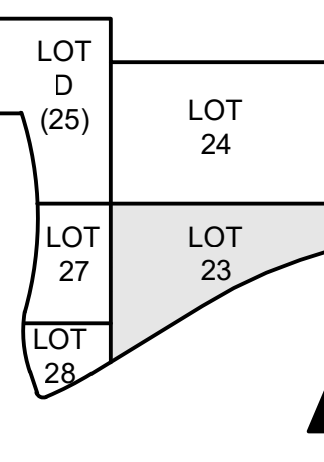
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THP Limited, Inc.
Consulting Engineers
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Cincinnati, Ohio 45202
Phone: (513) 241-5222
Fax: (513) 241-2981

DRAWING NOTES A250-A252:

- 8" CONCRETE MASONRY UNIT (UNPAINTED UNLESS OTHERWISE). SEE 042000 AND ELEVATIONS (DWG. A252).
- 4" SPLIT-FACE CONCRETE MASONRY UNIT (UNPAINTED UNLESS NOTED OTHERWISE). SEE 042000 AND ELEVATIONS (DWG. A252).
- HUB DRAIN FOR ELEVATOR SUMP UNIT. SEE 142400 AND P-SERIES DRAWINGS.
- STAINLESS STEEL BOLLARD. SEE 057000.
- STAINLESS STEEL GUARDRAIL AND HANDRAIL. SEE 058000.
- PARKING SPACE OR PAVEMENT MARKINGS. SEE 321723.
- HOLLOW METAL DOOR AND FRAME. SEE 081100.
- STAINLESS STEEL ELEVATOR HOISTWAY DOORS, FRAMES, AND TRIM. SEE 142100 AND 057000.
- ELEVATOR CALL BUTTON STATION. SEE 142100.
- ELEVATOR HALL LANTERN. SEE 142100.
- ELEVATOR PIT.
- ELEVATOR PIT LADDER.
- COORDINATE LIGHT FIXTURE. LOCATIONS AND QUANTITY WITH ELECTRICAL CONTRACTOR.
- PLAZA SLAB EDGE ABOVE.
- HOLLOW METAL DOORS BY OTHER.
- CONCRETE WALL (UNPAINTED UNLESS OTHERWISE).
- DRAINAGE RIDGE OR VALLEY IN SLAB. SEE A100 SERIES PLANS.
- FLOOR DRAIN. SEE P-SERIES DRAWINGS.
- PILES IN PREVIOUS BID PACKAGE.
- CONCRETE SLAB ON GRADE.
- FIRE RISER TO FIRE DEPARTMENT VALVE. SEE FP-SERIES.
- STEEL ELEVATOR HOIST BEAM. SEE 05000.
- FIRE EXTINGUISHER AND CABINET. SEE 104400.
- EXIT SIGN. SEE E-SERIES DRAWINGS.
- 4" THICK STONE VENEER - CHAT-SAWN SANDSTONE AND BROWN GRANITE BASE TO MATCH EXISTING. ANCHOR TO CONCRETE WALL WITH STAINLESS STEEL STRAP ANCHORS AT EACH COURSE.
- GUARD RAIL.
- SINGLE-PLY MEMBRANE ROOFING ON TAPERED RIGID INSULATION.
- ZINC FASCIA.
- STAINED 3/4" X 4" TAG WOOD SOFFIT.
- ROOF DRAIN (BASIS OF DESIGN: ZURN Z-125).
- 4" DIA. PREFINISHED ALUMINUM DOWNSPOUT. CONNECT TO CAST IRON HUB TIED TO STORMWATER PIPING SYSTEM. SEE P-SERIES DRAWINGS.
- GRANITE WALLERS.
- GRANITE COPING. REFER TO DRAWING A115 FOR MORE INFORMATION.
- GRANITE WALL CLADDING. REFER TO DRAWING A115 FOR MORE INFORMATION.
- RECESSED LIGHT IN SOFFIT. REFER TO ELECTRICAL DRAWINGS.



NO.	DATE	DESCRIPTION
1	8/22/2019	SCOPING SET
2	8/22/2019	BID PACKAGE #5
3	9/20/2019	BID PACKAGE #6
4	12/12/2019	BID PACKAGE #7 - DD PRICING
5	1/17/2020	BID PACKAGE #8 - SCOPING SET
6	2/27/2020	BID PACKAGE #9
7	3/26/2020	BID PACKAGE #10 - ADDENDUM #1



DRAWN BY: J.M.H.
ENGINEER: M.S.M.
CHECKED BY: M.L.H.

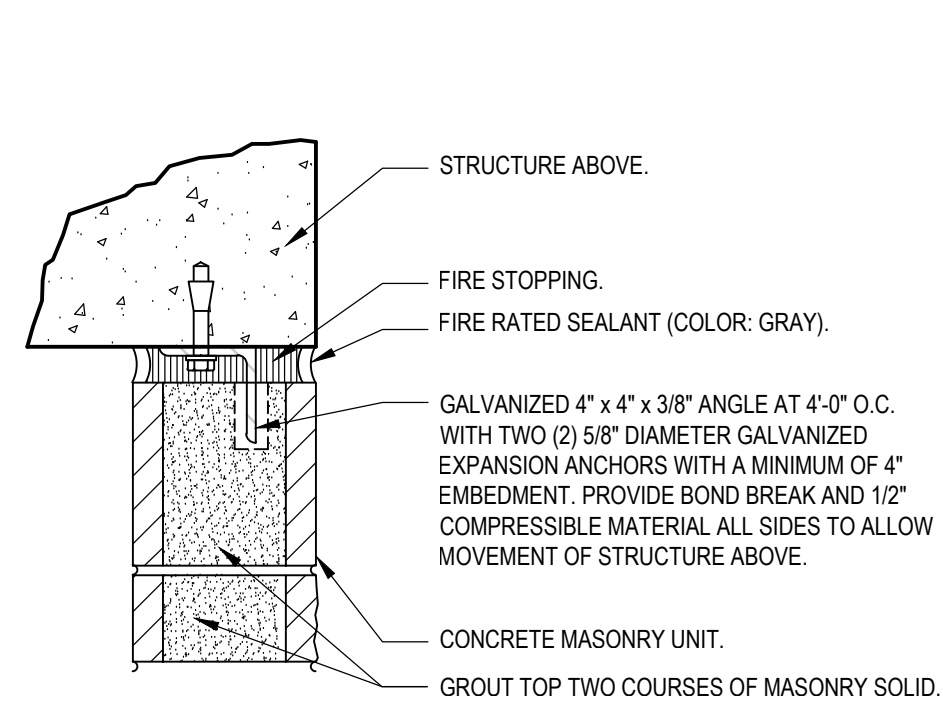
THE BANKS
PHASE 3B

LOT 23/27/28 GARAGE &
RACE ST. TURNAROUND

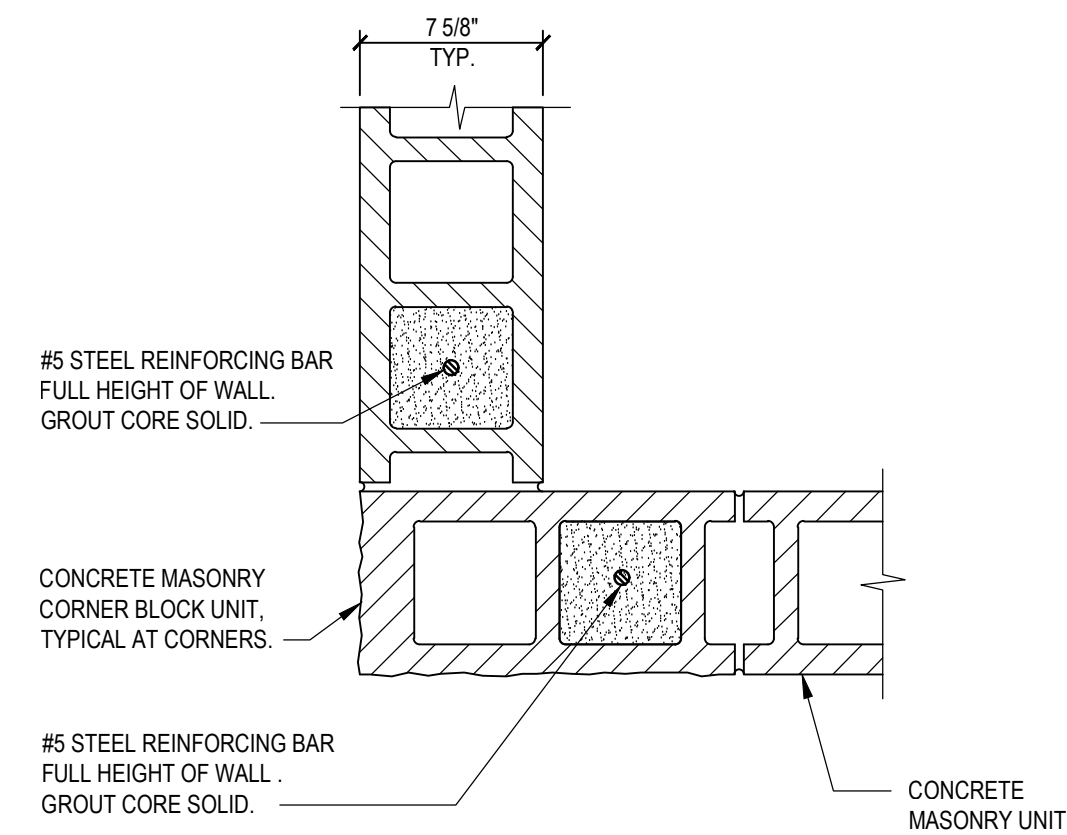
DRAWING TITLE
LOT 23 STAIR AND
ELEVATOR - ELEVATIONS

JOB NUMBER
98090.38
DATE
8/22/2019
DRAWING NUMBER

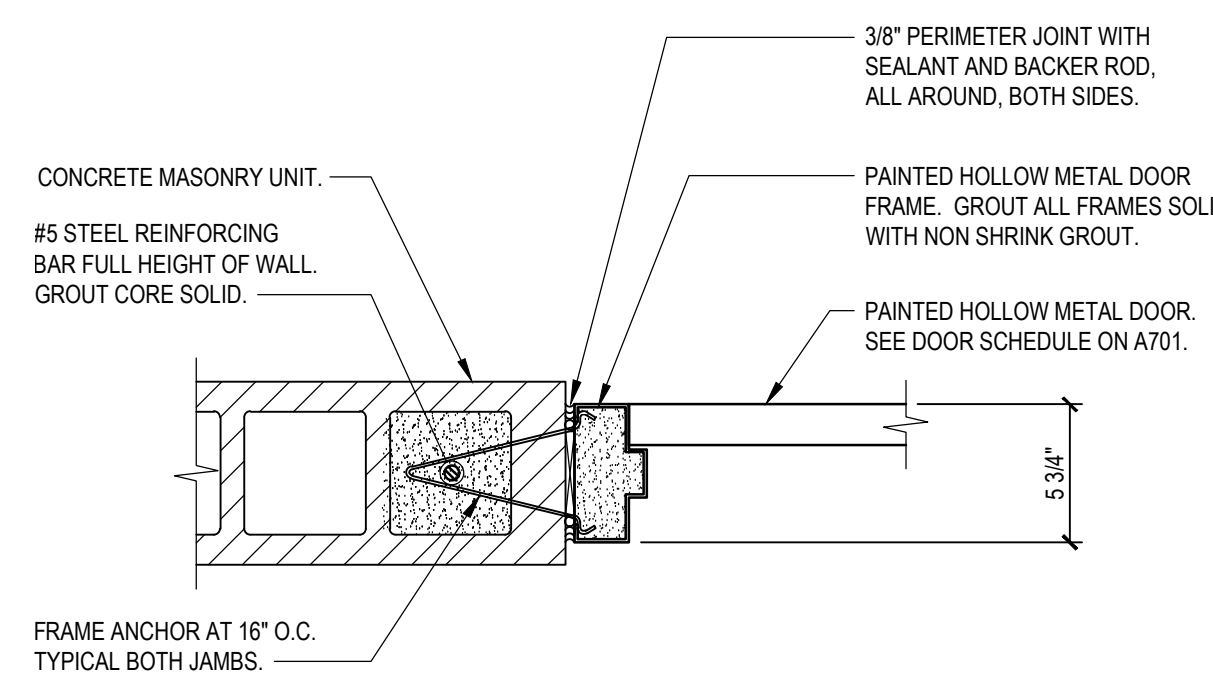
A252



1 **DETAIL**
A253 1'-1/2" = 1'-0"

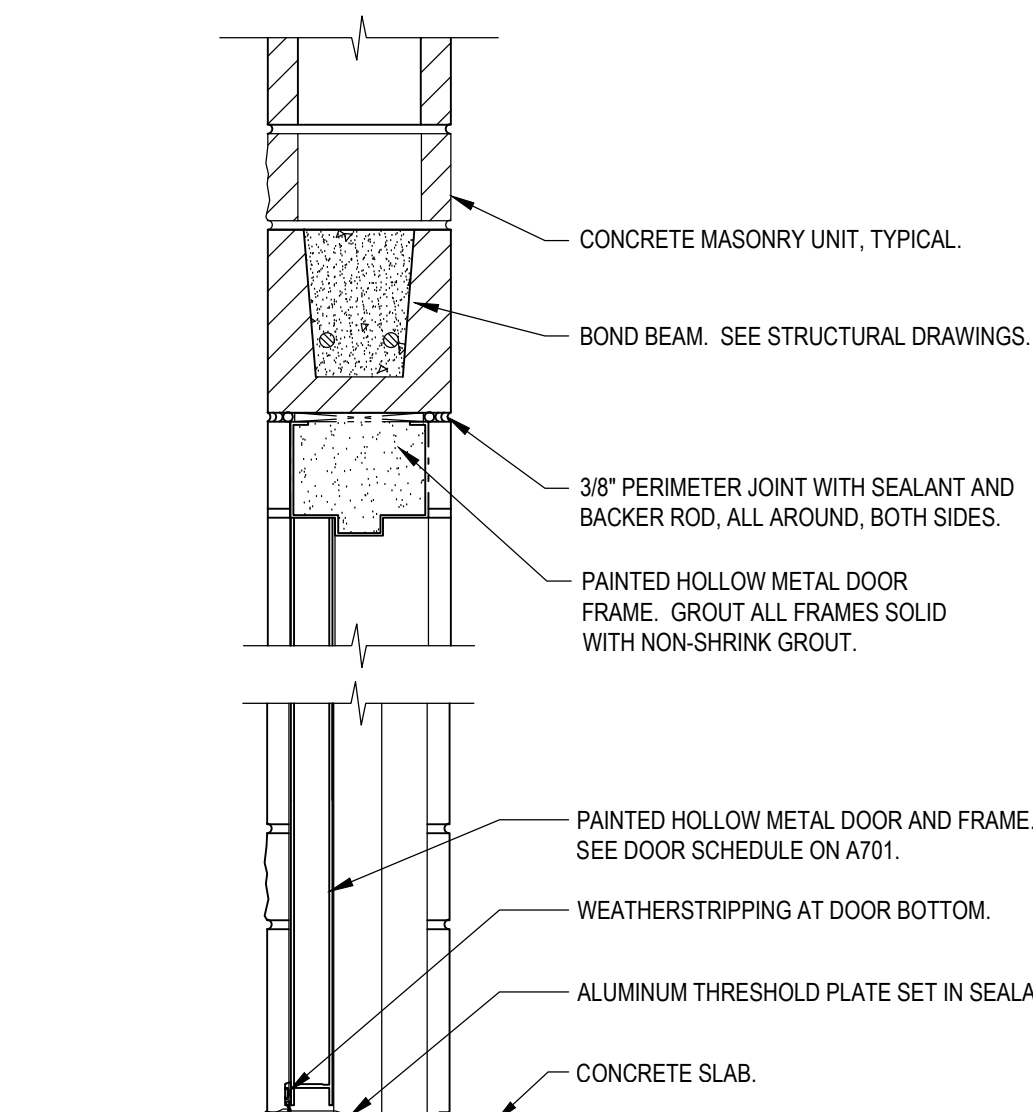


2 **DETAIL**
A253 1-1/2" = 1'-0"



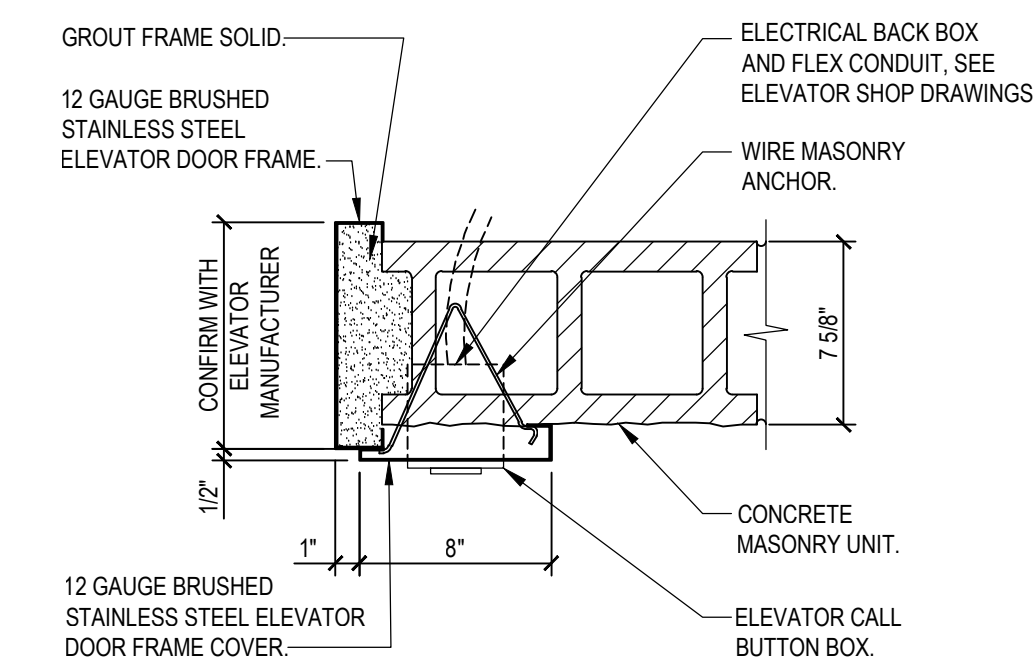
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A253

HOLLOW METAL DOOR JAMB
DETAIL
1'-1/2" = 1'-0"



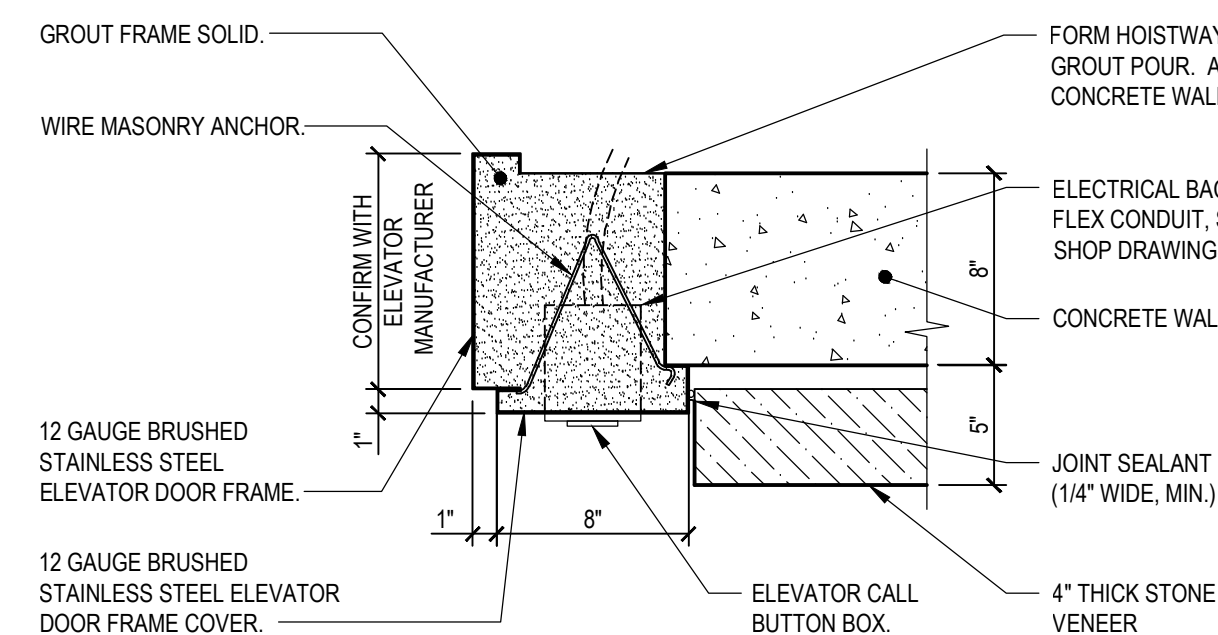
4
A253

HOLLOW METAL DOOR HEAD AND SILL
DETAIL
1'-1/2" = 1'-0"



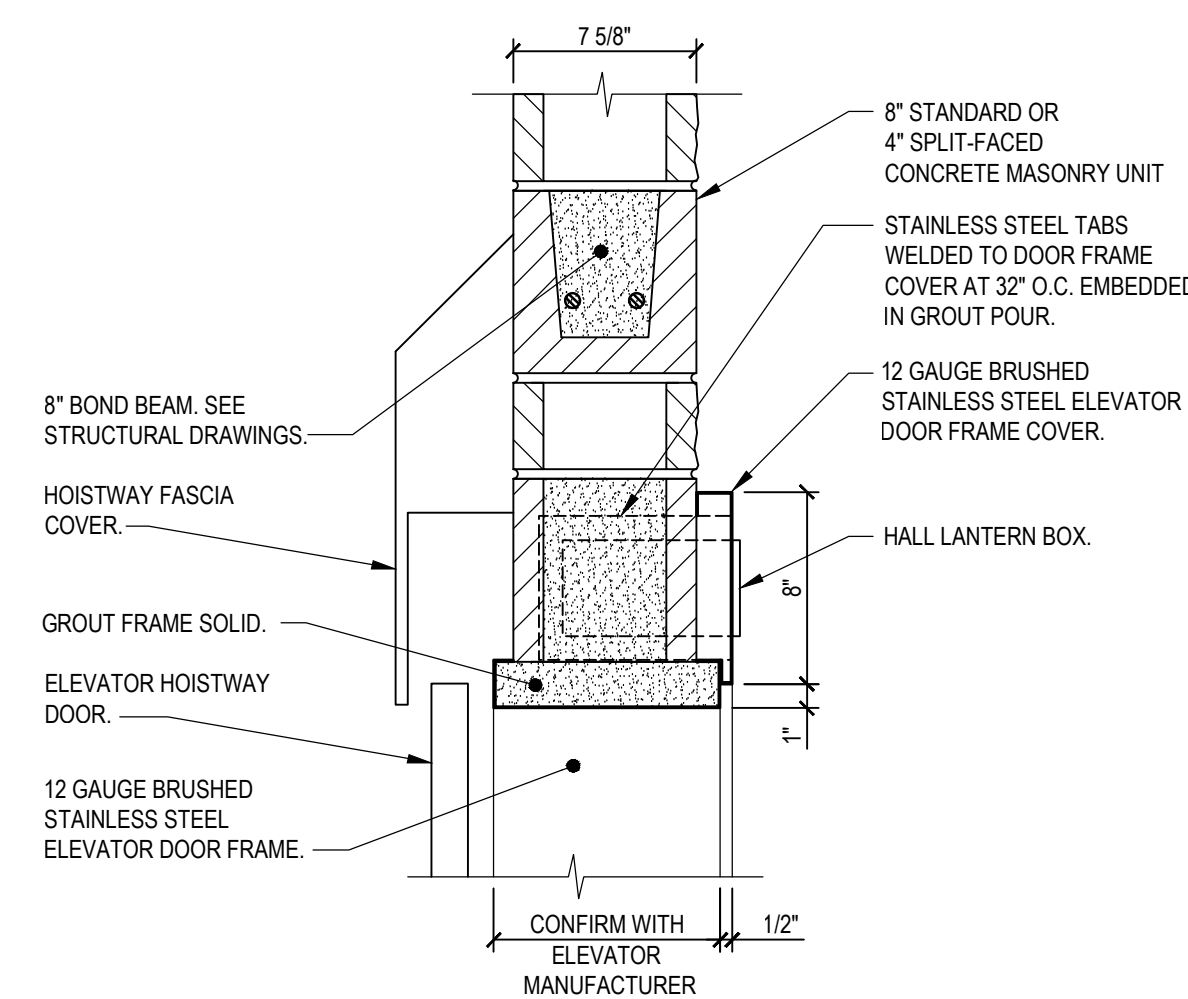
5
A253

LOWER & PARK LEVEL ELEVATOR DOOR JAMB
DETAIL
1'-1/2" = 1'-0"



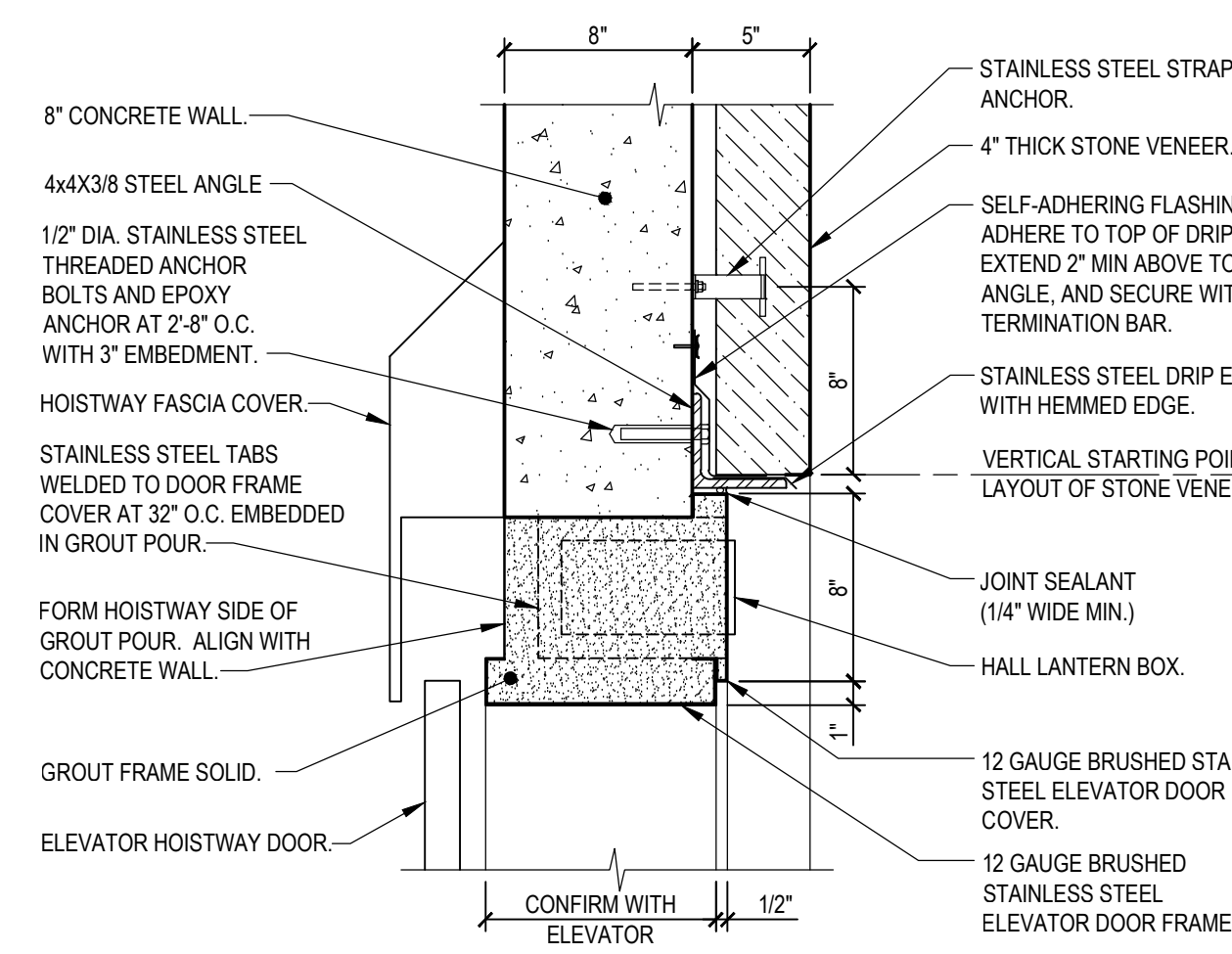
6
A253

PODIUM LEVEL ELEVATOR DOOR JAMB
DETAIL
1'-1/2" = 1'-0"



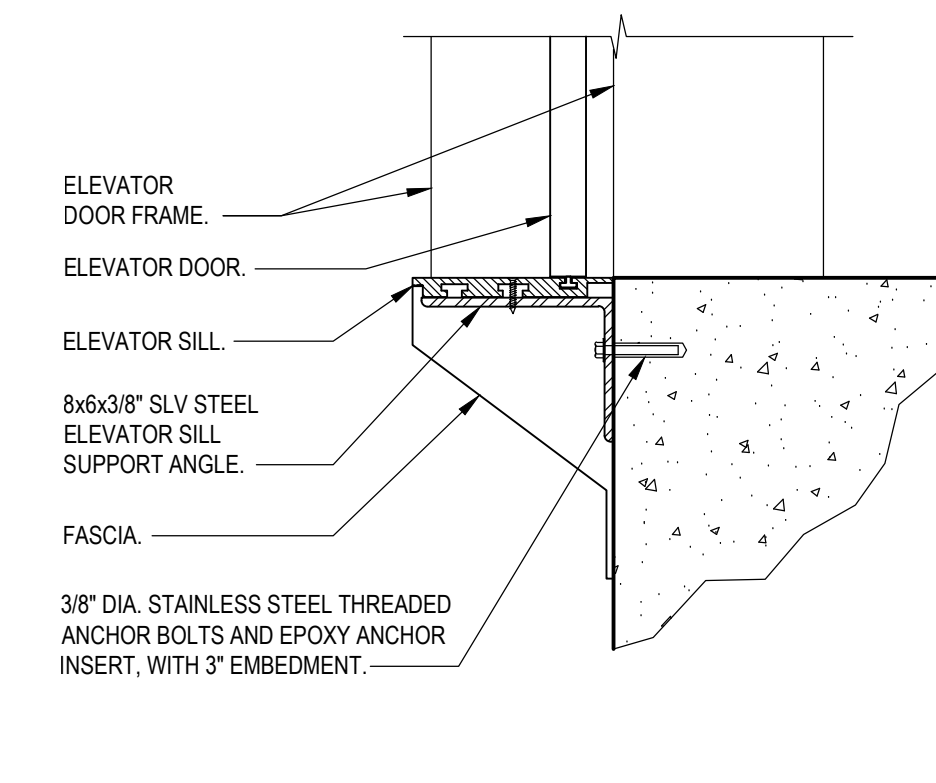
7
A253

LOWER & PARK LEVEL ELEVATOR DOOR HEAD
DETAIL
1-1/2" = 1'-0"



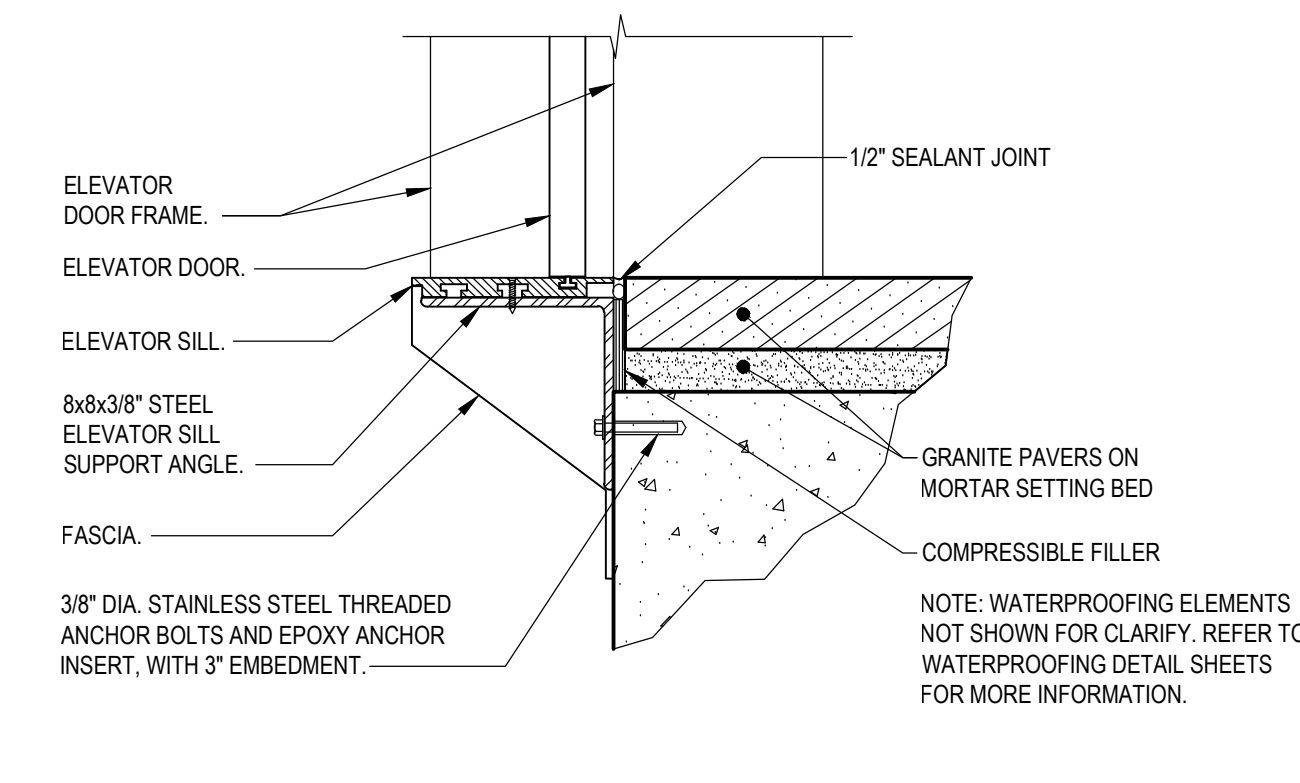
7A
A253

PODIUM LEVEL ELEVATOR DOOR HEAD
DETAIL
1'-1/2" = 1'-0"



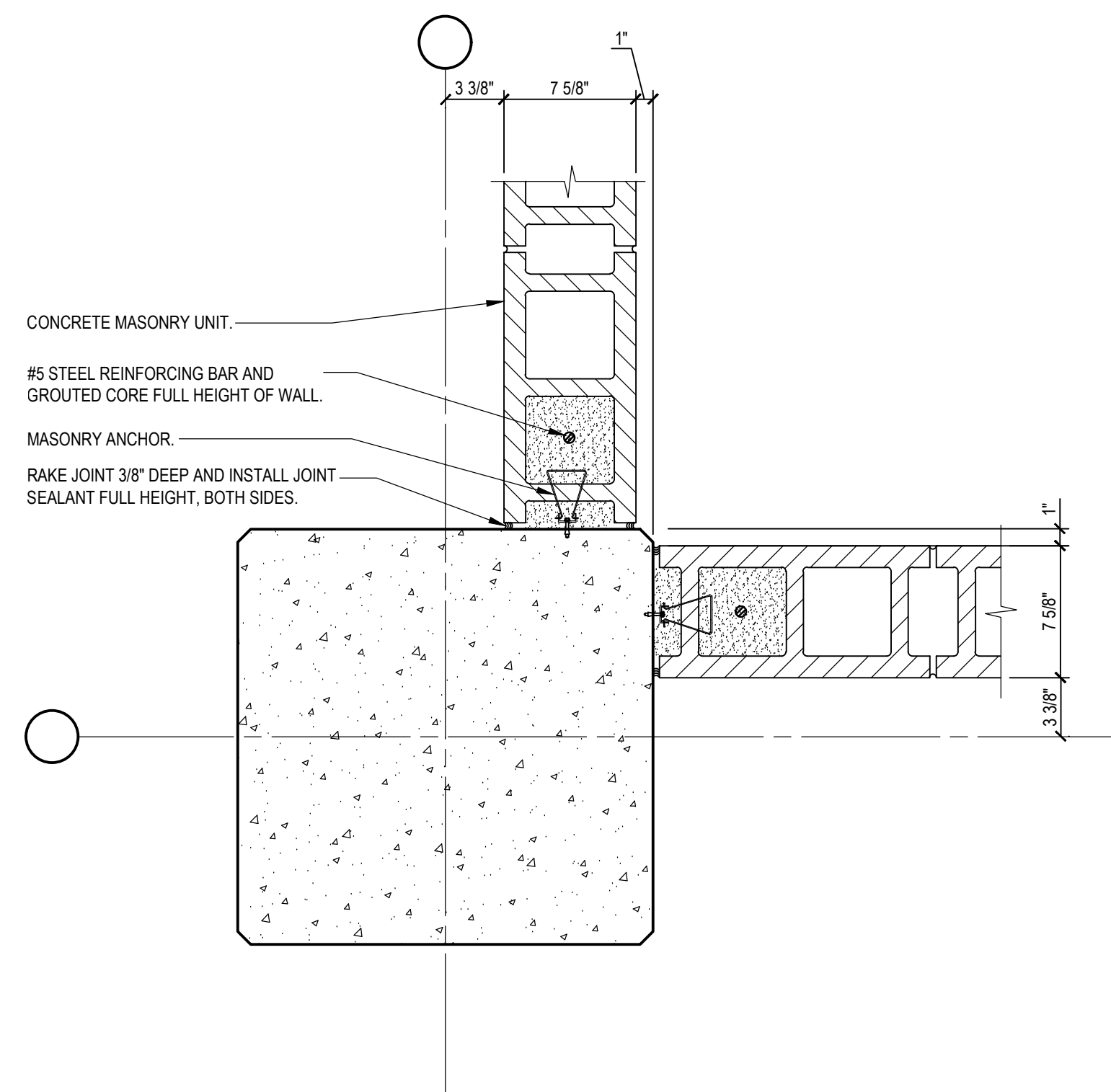
8
A253

LOWER & PARK LEVEL ELEVATOR DOOR SILL
DETAIL
1-1/2" = 1'-0"

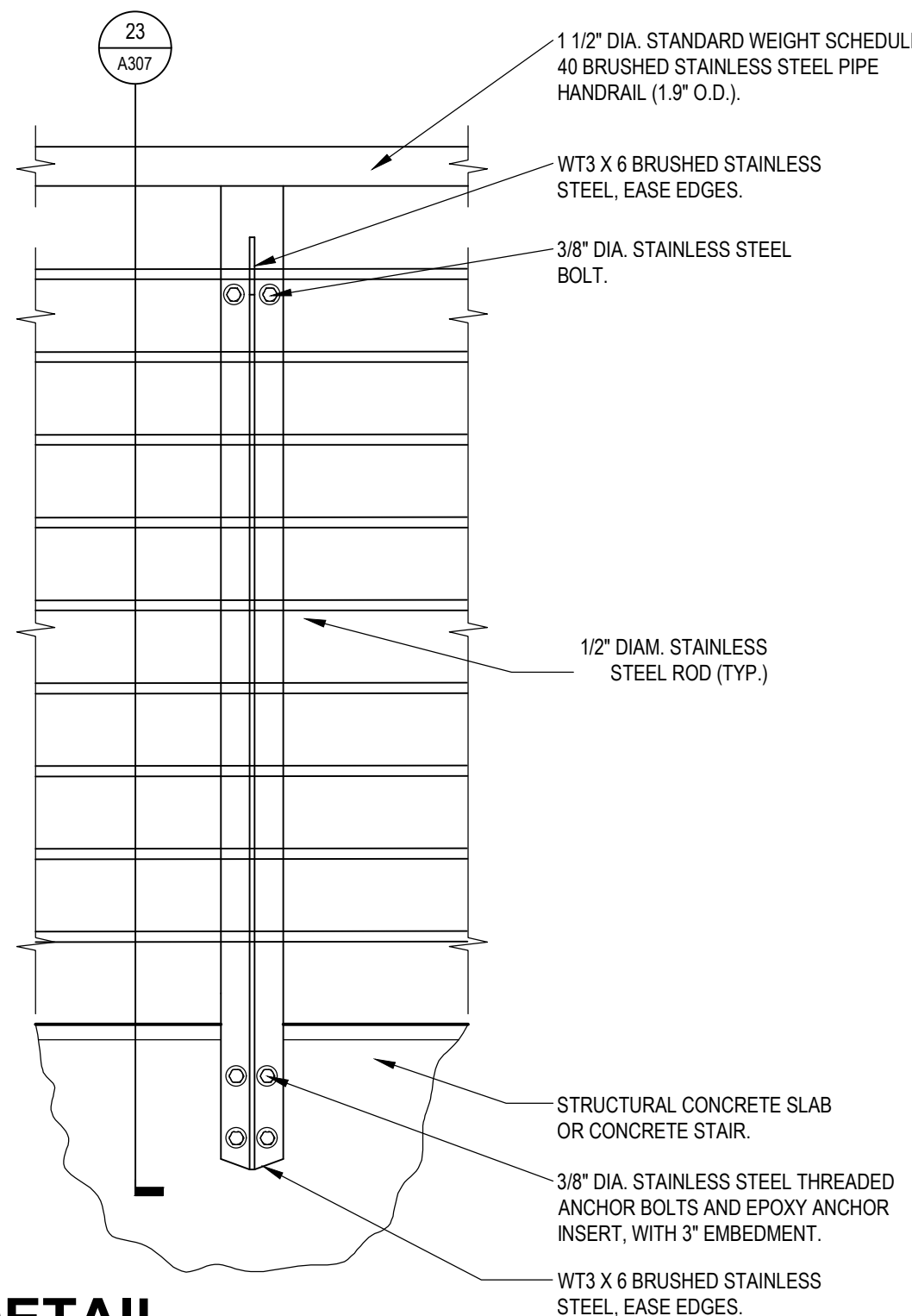


8A
A253

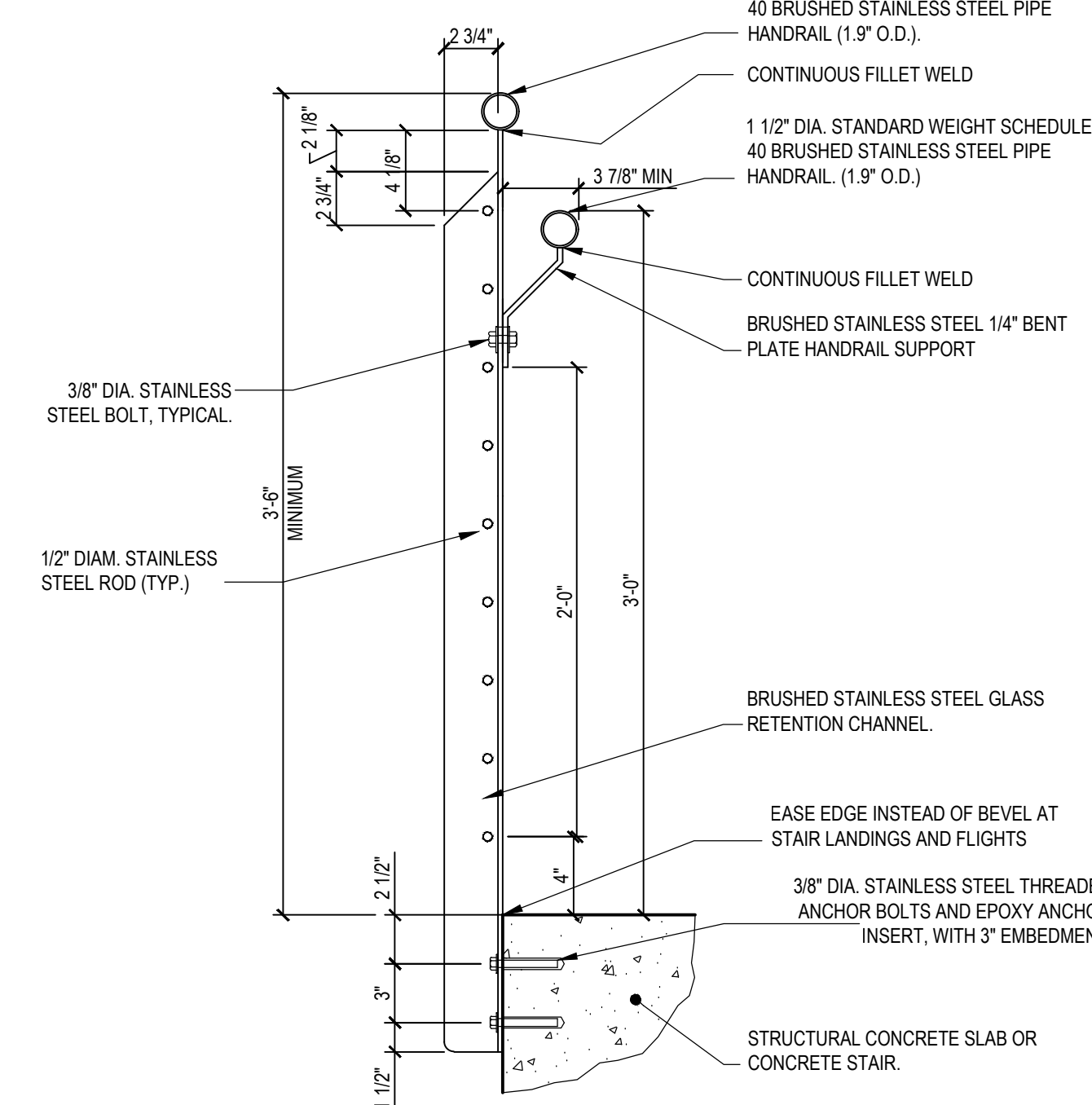
PODIUM LEVEL ELEVATOR DOOR SILL
DETAIL
1'-1/2" = 1'-0"



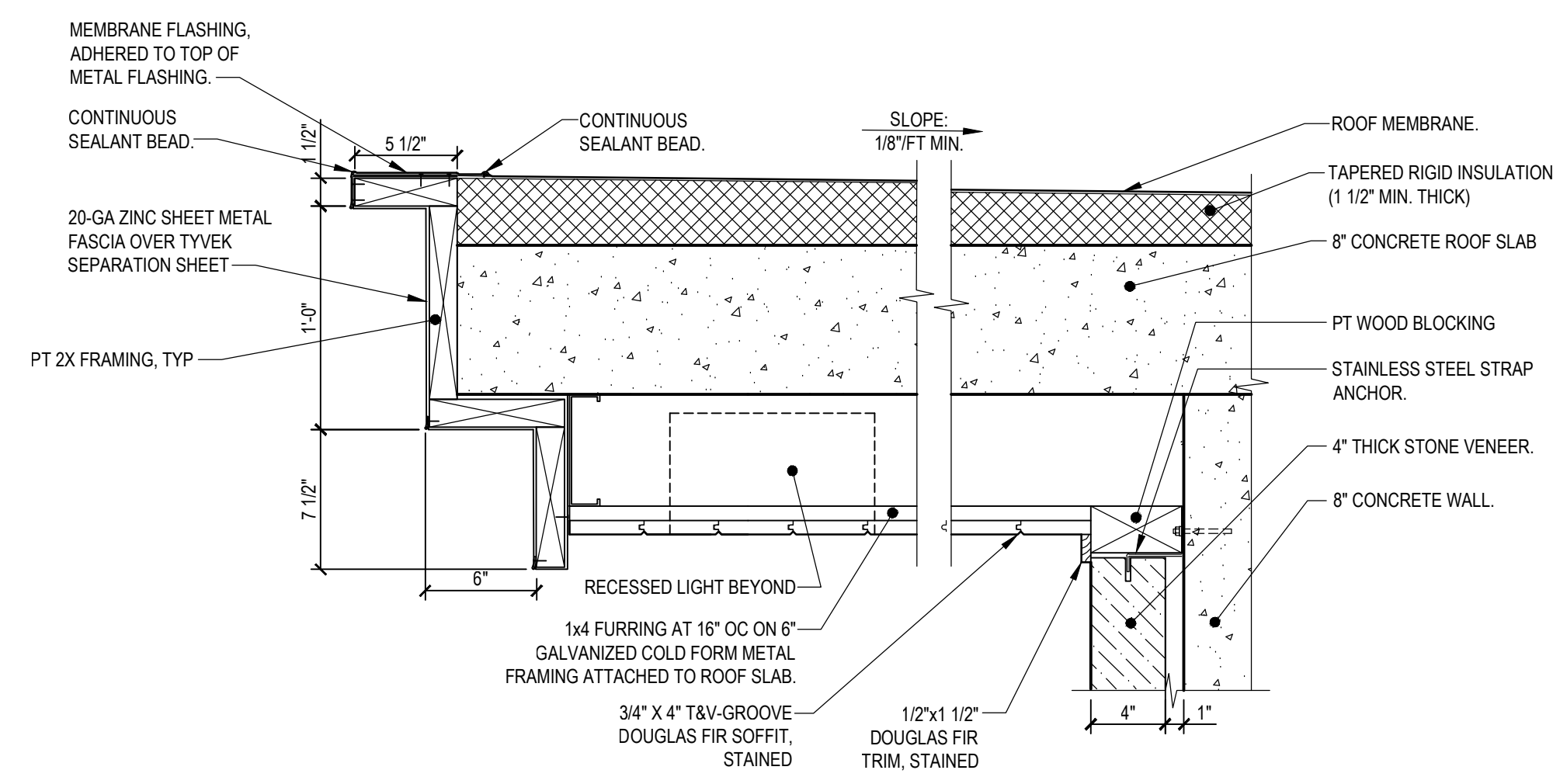
9 **DETAIL**
A253 1'-1/2" = 1'-0"



10 **DETAIL**
A253 1-1/2" = 1'-0"

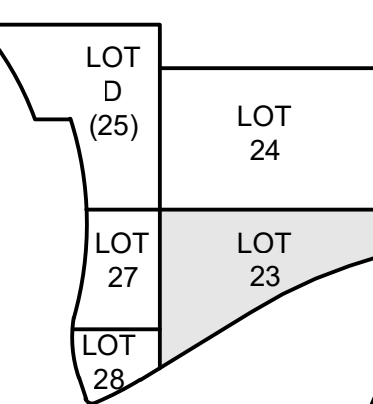


11 **DETAIL**
A253 1-1/2" = 1'-0"



12
A253

TYP. ROOF OVERHANG, FASCIA, AND SOFFIT
DETAIL
1'-1/2" = 1'-0"

[illegible]

AWN BY: _____

ENGINEER: M.S.M

HECKED BY: M.L.H.

THE BANKS
PHASE 3B

LOT 23/27/28 GARAGE &
RACE ST. TURNAROUND

AWING TITLE

LOT 23 STAIR AND ELEVATOR - DETAILS

BOOK NUMBER	DATE
3090.38	8/22/2015

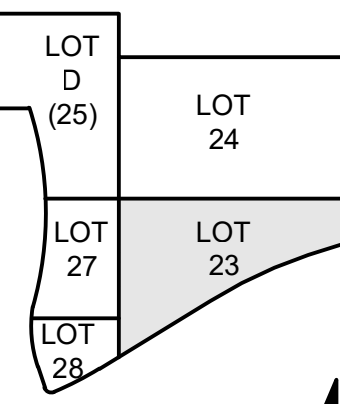
A253



HAMILTON COUNTY
RIVERFRONT PARKING
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IMPROVEMENTS

THP
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Consulting Engineers
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Fax: (513) 241-2981

1	8/22/2019	BID PACKAGE #1
2	9/20/2019	BID PERMIT SET
3	9/23/2019	ADDENDUM #1
4	12/12/2019	BID PACKAGE #2 - DD PRICING
5	10/1/2020	BID PACKAGE #3 - SCOPING SET
6	2/21/2020	BID PACKAGE #4
7	3/06/2020	BID PACKAGE #5 - ADDENDUM #1



DRAWN BY: P.A.B.
ENGINEER: M.S.M.
CHECKED BY: M.L.H.

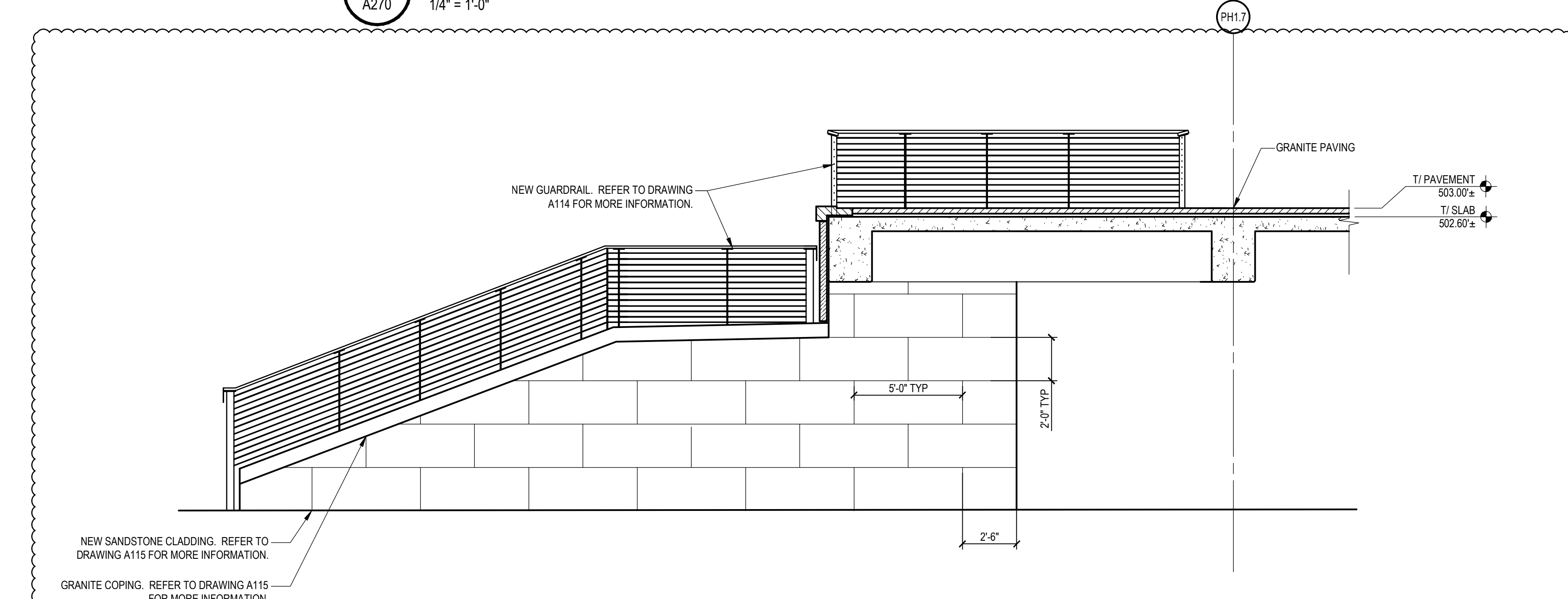
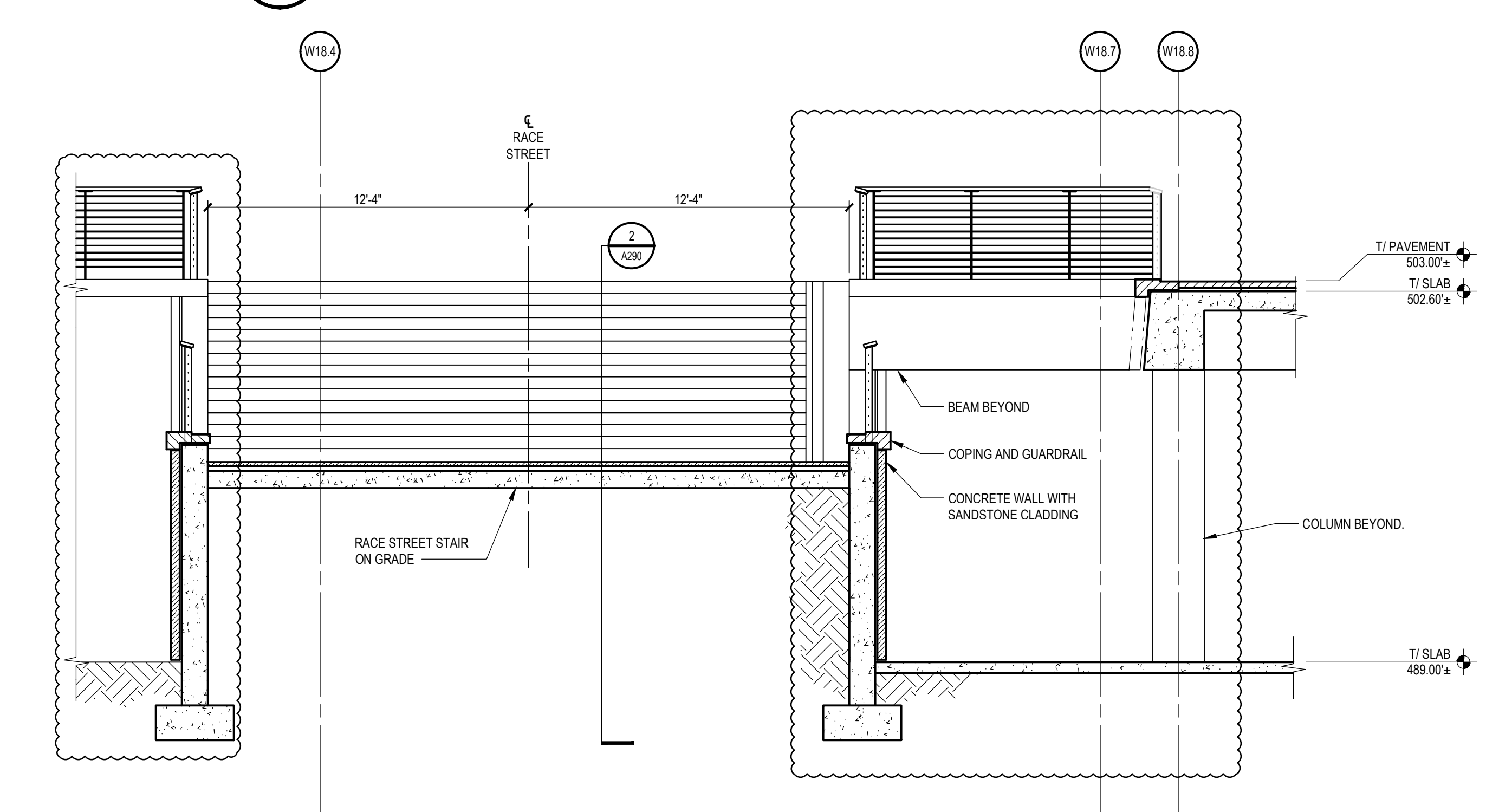
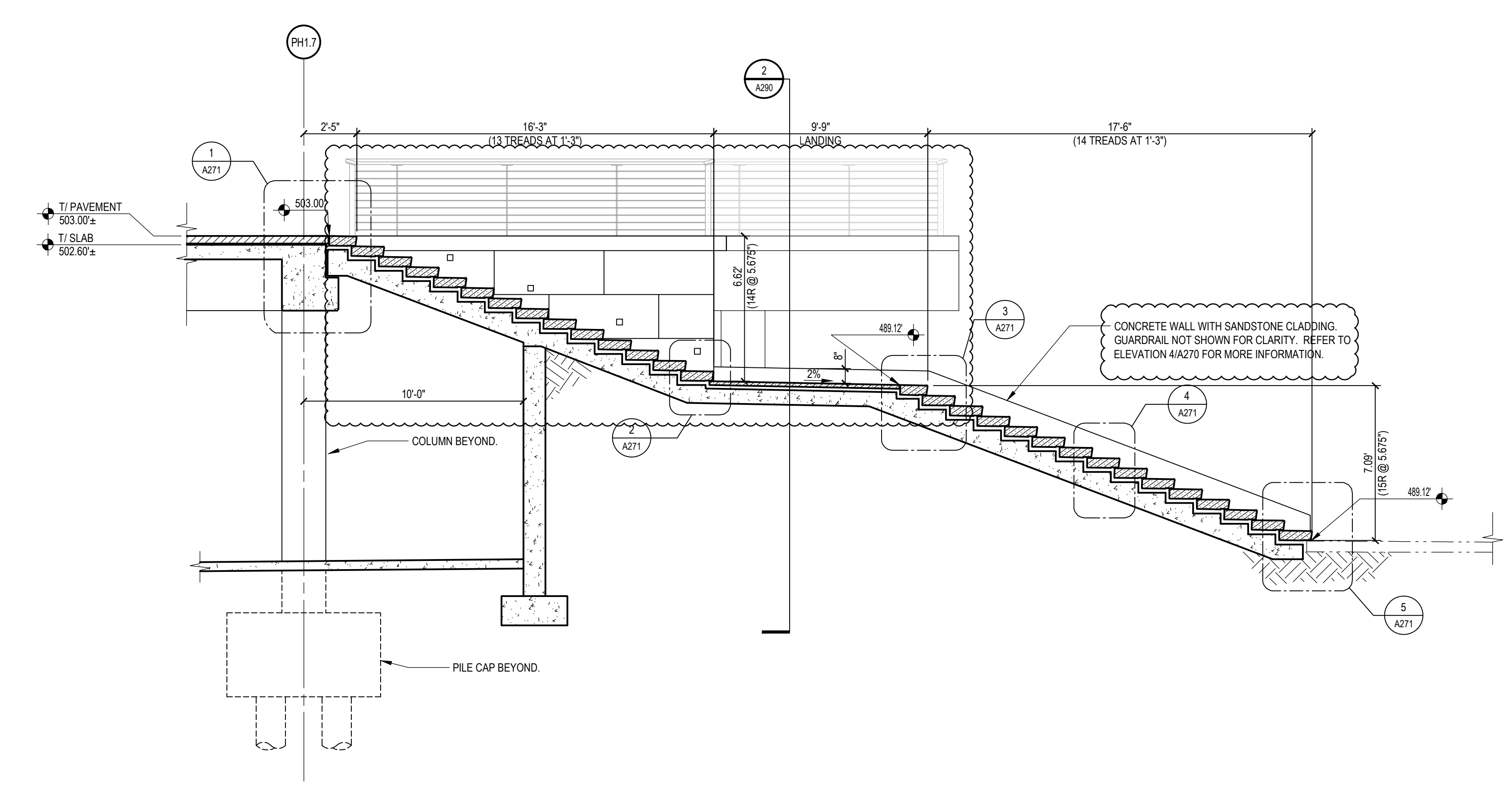
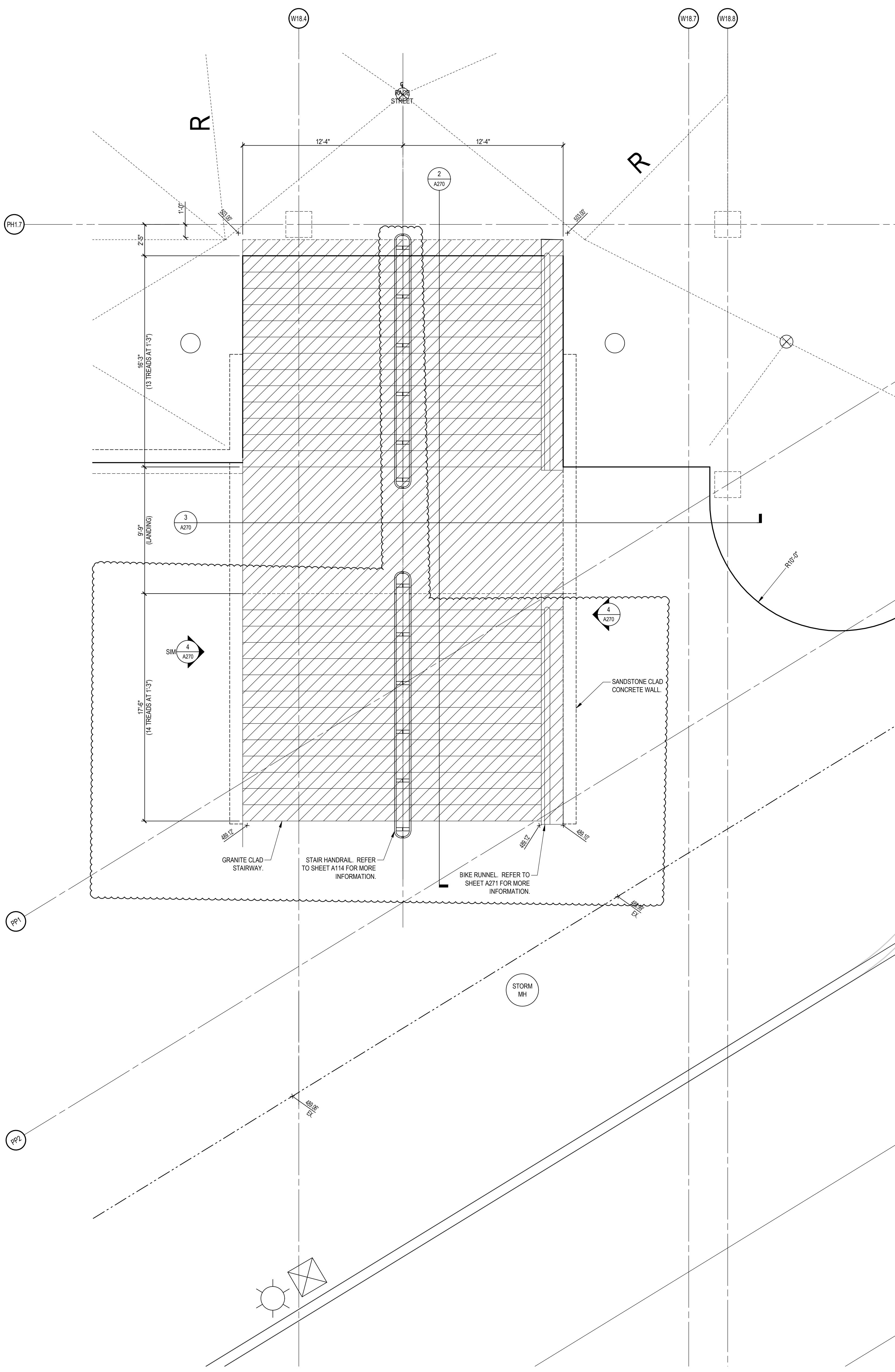
**THE BANKS
PHASE 3B**

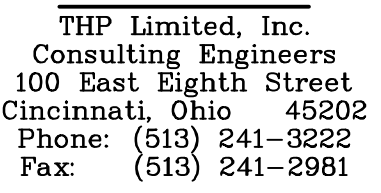
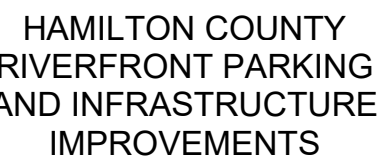
LOT 23/27/28 GARAGE &
RACE ST. TURNAROUND

DRAWING TITLE
LOWER RACE STREET
STAIR AND PLANTER

JOB NUMBER
98090.38
DATE
8/22/2019
DRAWING NUMBER

A270





- DRAWING NOTES:**

 - (1) GRANITE PAVING
 - (2) LATEX MODIFIED MORTAR SETTING BED
 - (3) WATERPROOFING MEMBRANE AND PROTECTION SHEET
 - (4) DRAINAGE BOARD ASSEMBLY
 - (5) FILTER FABRIC
 - (6) CONCRETE SUPPORT SLAB
 - (7) GRANITE TREAD
 - (8) CONCRETE TOPPING SLAB (SEE PLAN FOR JOINT PATTERN)
 - (9) AGGREGATE BASE
 - (10) PRECAST CONCRETE TREAD
 - (11) STRUCTURAL SLAB
 - (12) 1/8" POLYMERIC SAND SWEPT JOINT
 - (13) MULCH
 - (14) PLANTING BED SOIL
 - (15) PLANTING SOIL
 - (16) ROOT BARRIER
 - (17) RIGID INSULATION
 - (18) S.S. ANCHOR
 - (19) AIR SPACE
 - (20) POLYSULFIDE JOINT CAULK
 - (21) 3/8" x 6" S.S. DOWELS, (2) PER PIECE LOCATED AT QTR. PTS.
 - (22) PROVIDE COMPRESSION SEAL.
 - (23) PROVIDE 1/8" THICK STAINLESS STEEL BENT PLATE
 - (24) PROVIDE ANCHOR WITH SELF TAPPING CONCRETE SCREWS
 - (25) PROVIDE CLOSED CELL BACKER ROD
 - (26) PROVIDE PREFORMED REINFORCING STRIP
 - (27) PROVIDE NEW 15 GA. STAINLESS STEEL PROTECTION COVER TO BE ATTACHED AT ONE SIDE ONLY AS SHOWN
 - (28) ADHERE NEW STAINLESS STEEL PROTECTION COVER TO PROTECTION BOARD WITH HOT ASPHALT SYSTEM PER MANUFACTURER'S RECOMMENDATIONS. INSTALL ADHESIVE ON THE HIGH SIDE OF THE JOINT
 - (29) PROVIDE PROTECTION BOARD
 - (30) WING COMPRESSION SEAL
 - (31) PROVIDE CHAMFER RUSTICATION STRIP TO PROVIDE CLEAN JOINT LINE
 - (32) PROVIDE CONTINUOUS TOOLED JOINT TO AID REMOVAL OF EDGE SECTION OF TOPPING FOR RAIL REMOVAL/WATERPROOFING EXTENSION, ETC.
 - (33) PROVIDE 1/2" x 1/2" TOOLED RECESS FOR TERMINATION OF WATERPROOFING
 - (34) FUTURE GRANITE COPING
 - (35) FUTURE SANDSTONE WALL CLADDING
 - (36) SUPPORT ANGLE (IF NECESSARY)
 - (37) 2" EXPANSION JOINT BY OTHERS
 - (38) GRANITE SEAT
 - (39) GRANITE CLAD
 - (40) WOOD SEAT
 - (41) BROWN GRANITE, DIAMOND 10 FINISH
 - (42) 1/8" x 6" S.S. PIN, EPOXY GROUT, (2) PER STONE.



AWN BY: J.M.H

M.S.M

HECKED BY: M.L.H

THE BANKS
PHASE 3B

LOT 23/27/28 GARAGE &
RACE ST. TURNAROUND

AWING TITLE

LOWER RACE STREET STAIR AND PLANTER DETAILS

B NUMBER DATE

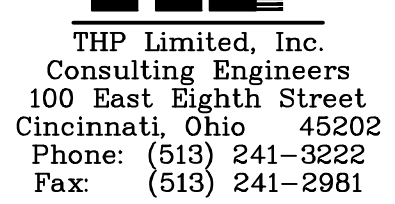
3090.38 8/22/2019

DRAWING NUMBER

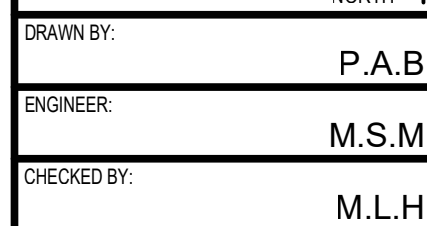
A271



- DRAWING NOTES:**
1. GRANITE-GLAD STAIRWAY AND HANDRAIL. REFER TO SHEETS A293 AND A114 FOR MORE INFORMATION.
 2. BIKE RUNNEL. REFER TO SHEET A293 FOR MORE INFORMATION.
 3. PLANTER END WALL AND GUARDRAIL. REFER TO SHEET A114 FOR GUARDRAIL INFORMATION.
 4. CONCRETE SUBSTRUCTURE FOR FUTURE SEATING.
 5. PLAZA AT TOP OF STAIRS. REFER TO DRAWING A1038.
 6. NEW GRANITE WALL CLADDING. REFER TO SECTIONS ON A291/A292 AND DETAILS ON SHEET A115.



ISSUES	
1	BID PACKAGE #5: 8/22/2019
2	BID PACKAGE #6: 9/9/2019
3	BID PACKAGE #7: 9/23/2019
4	BID PACKAGE #8: 10/12/2019
5	BID PACKAGE #9: 10/21/2019
6	BID PACKAGE #10: 11/12/2019
7	BID PACKAGE #11: 11/21/2019
8	BID PACKAGE #12: 12/05/2019

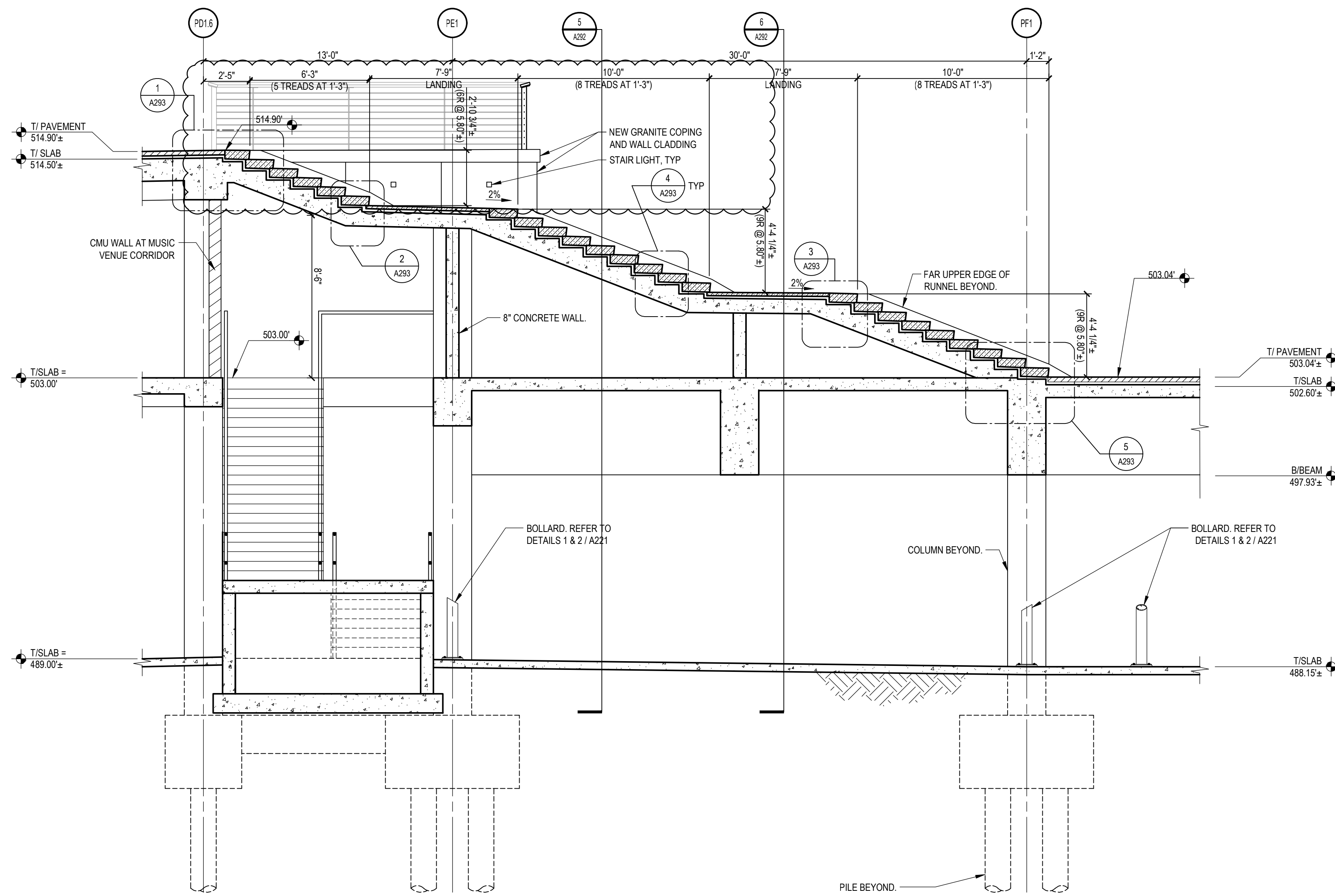


A290

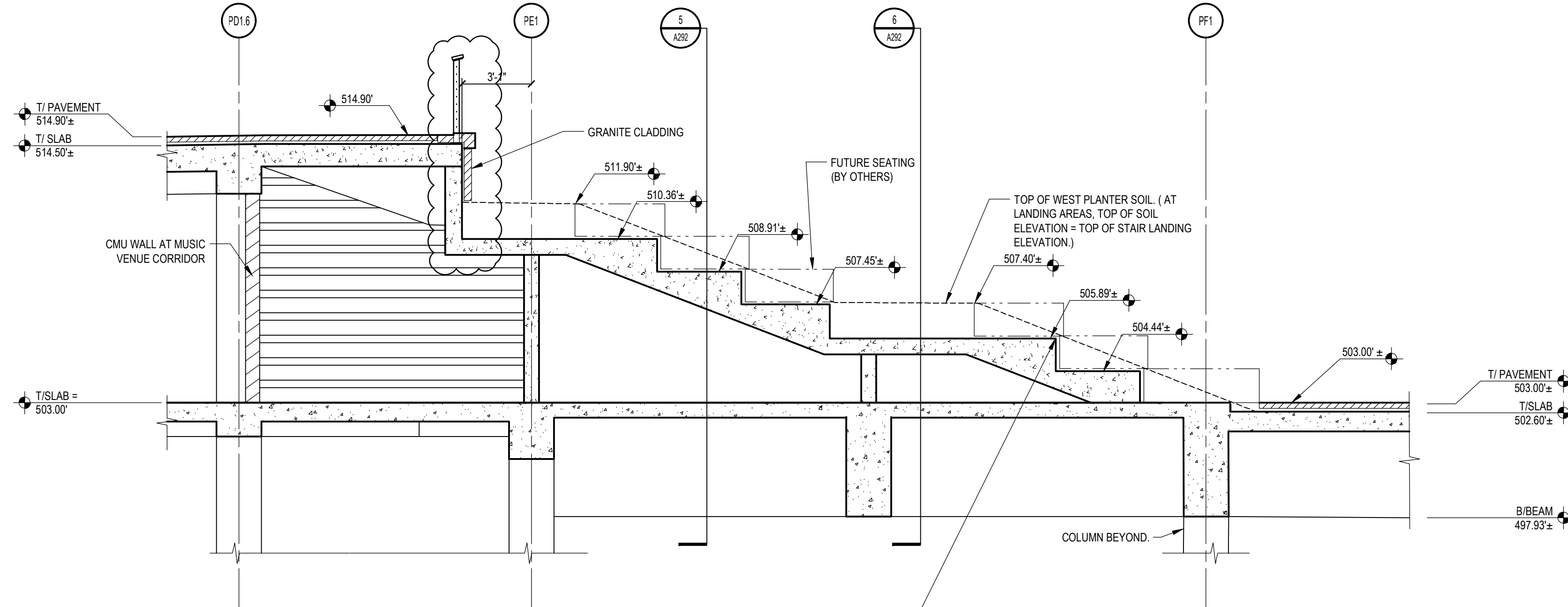


HAMILTON COUNTY
RIVERFRONT PARKING
AND INFRASTRUCTURE
IMPROVEMENTS

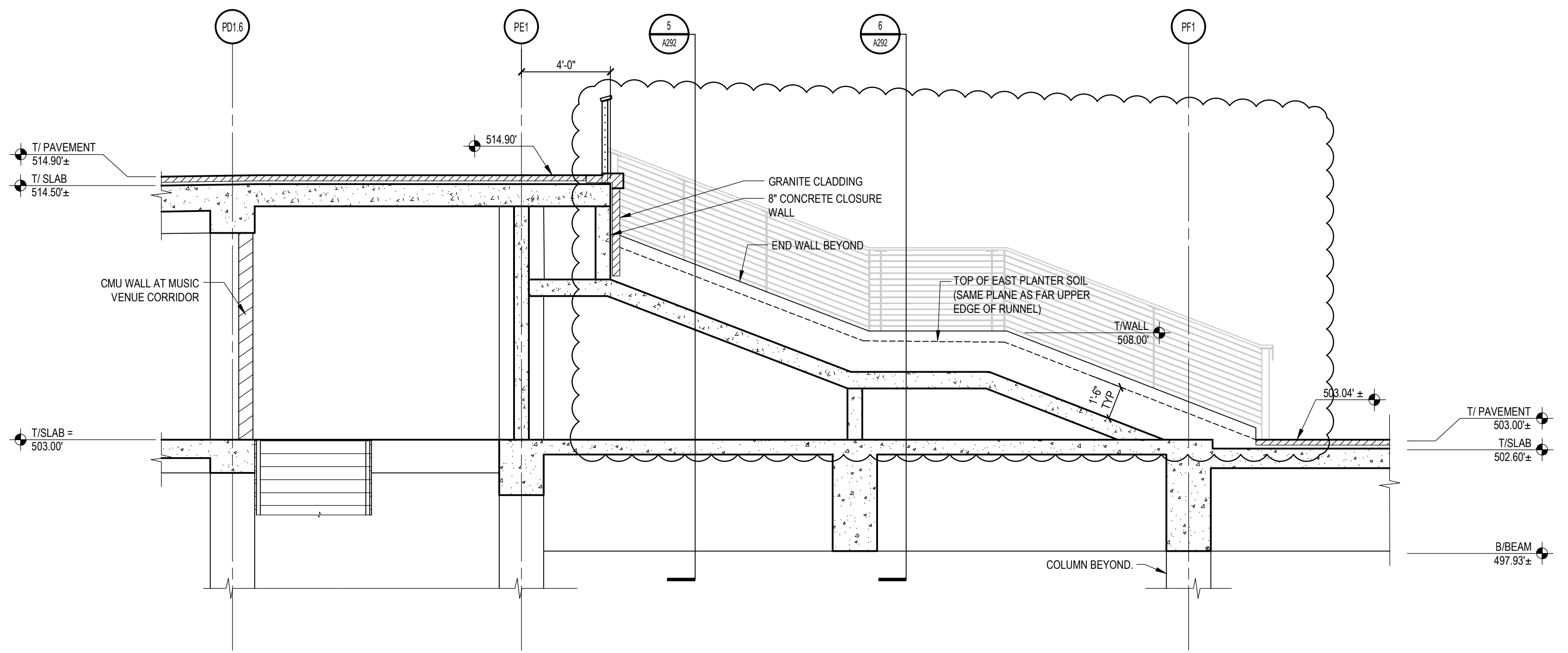
THP
THP Limited, Inc.
Consulting Engineers
100 East Eighth Street
Cincinnati, Ohio 45202
Phone: (513) 241-5222
Fax: (513) 241-2981



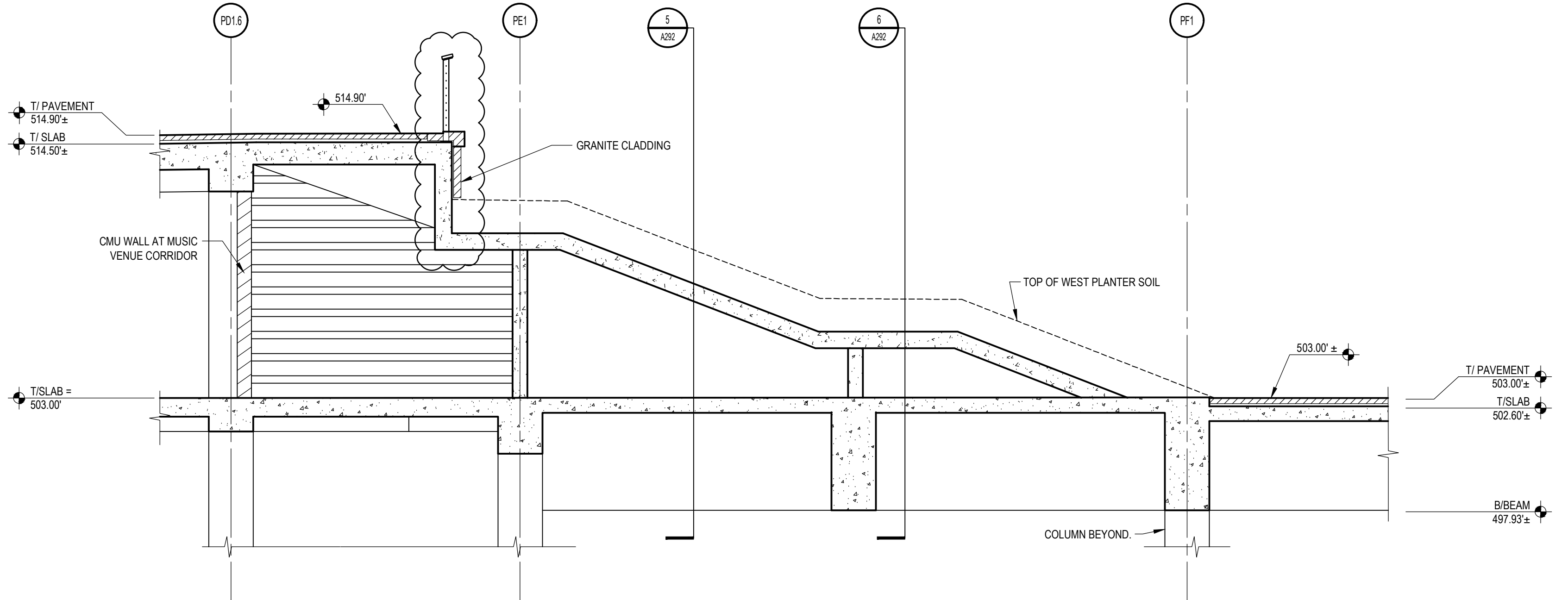
1
UPPER RACE STREET STAIR
SECTION
A291 1/4" = 1'-0"



3
UPPER RACE STREET SEATING
SECTION
A291 1/4" = 1'-0"

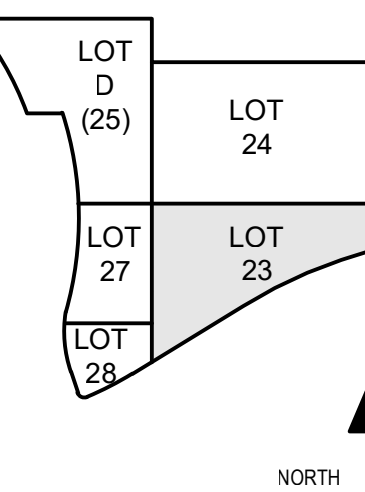


2
UPPER RACE STREET EAST PLANTER
SECTION
A291 1/4" = 1'-0"



4
UPPER RACE STREET WEST PLANTER
SECTION
A291 1/4" = 1'-0"

ISSUES	NO.	DATE	DESCRIPTION
1	8/22/2019	8/22/2019	ISSUED FOR PERMIT SET
2	8/22/2019	8/22/2019	ADDENDUM #1
3	8/22/2019	8/22/2019	ADDENDUM #2
4	12/12/2019	12/12/2019	ADDENDUM #3 - DD PRICING
5	12/12/2019	12/12/2019	BULLETIN #1
6	1/13/2020	1/13/2020	ADDENDUM #4 - SCOPING SET
7	3/26/2020	3/26/2020	ADDENDUM #5
8	3/26/2020	3/26/2020	ADDENDUM #6



DRAWN BY: P.A.B.
ENGINEER: M.S.M.
CHECKED BY: M.L.H.

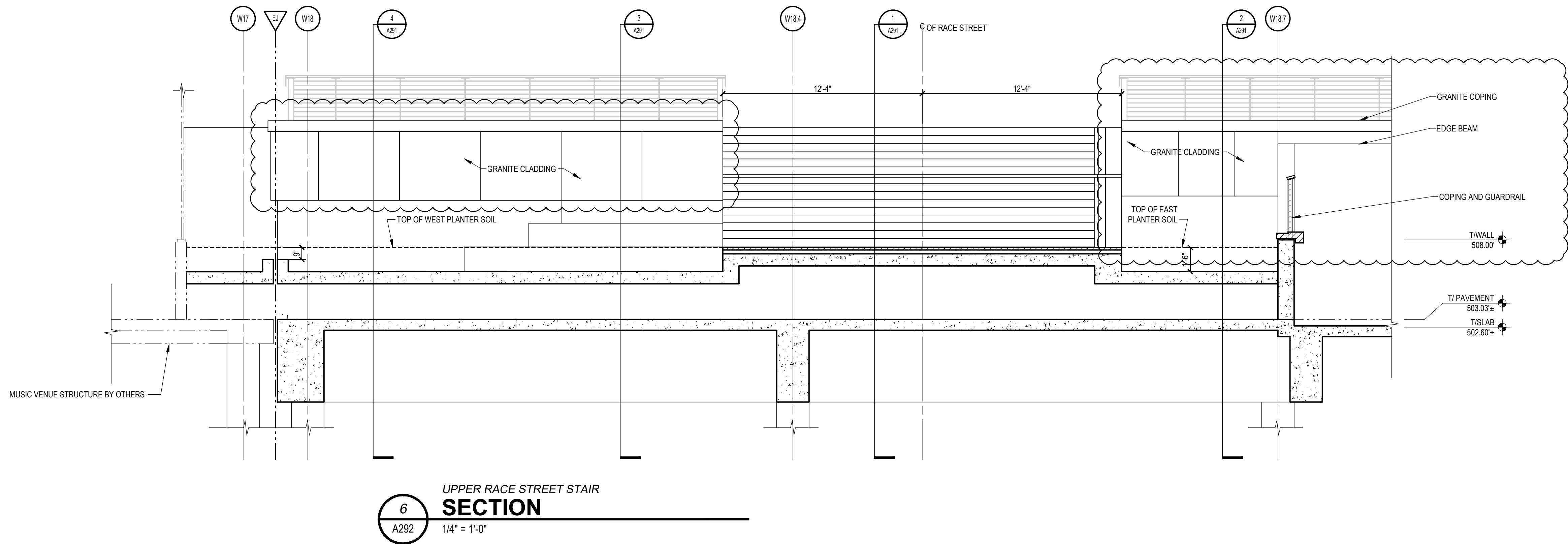
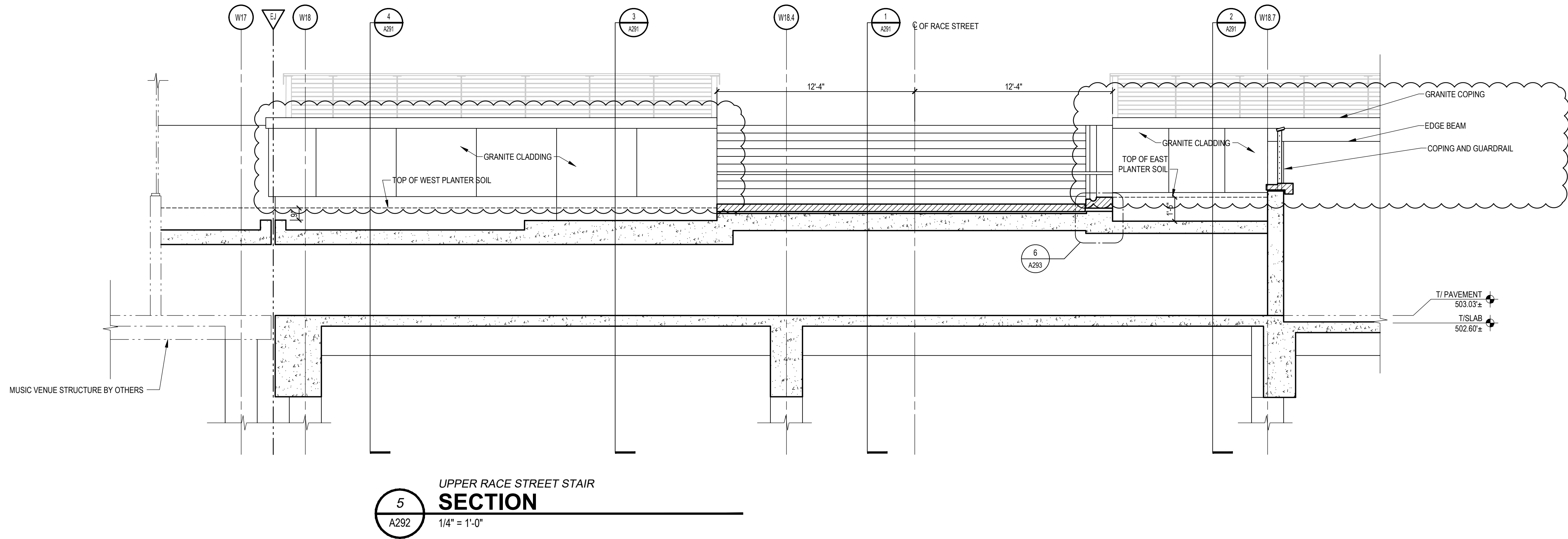
THE BANKS
PHASE 3B

LOT 23/27/28 GARAGE &
RACE ST. TURNAROUND

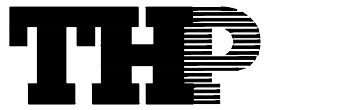
DRAWING TITLE
**UPPER RACE STREET
STAIR AND PLANTER
SECTIONS**

JOB NUMBER: 98090.38
DATE: 8/22/2019
DRAWING NUMBER:

A291

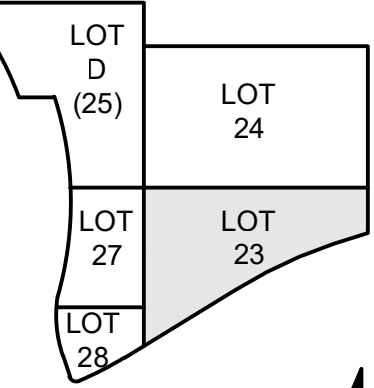


HAMILTON COUNTY
RIVERFRONT PARKING
AND INFRASTRUCTURE
IMPROVEMENTS



THP Limited, Inc.
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Phone: (513) 241-9222
Fax: (513) 241-2981

NO.	DATE	DESCRIPTION
1	08/22/2019	BID PACKAGE #8
2	09/02/2019	BID PACKAGE SET
3	12/12/2019	BID PACKAGE #8 - BID PRICING
4	12/12/2020	BID PACKAGE #8 - BID PRICING
5	12/12/2020	BID PACKAGE #8 - BID PRICING
6	12/12/2020	BID PACKAGE #8 - BID PRICING
7	08/22/2020	BID PACKAGE #8 - ADDENDUM #1



DRAWN BY: P.A.B.
ENGINEER: M.S.M.
CHECKED BY: M.L.H.

THE BANKS
PHASE 3B

LOT 23/27/28 GARAGE &
RACE ST. TURNAROUND

DRAWING TITLE
UPPER RACE STREET
STAIR AND PLANTER
SECTIONS

JOB NUMBER 98090.38 DATE 8/22/2019
DRAWING NUMBER

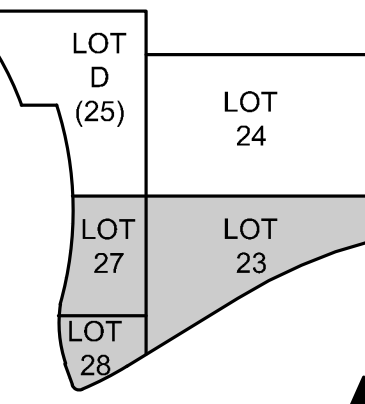
A292



HAMILTON COUNTY
RIVERFRONT PARKING
AND INFRASTRUCTURE
IMPROVEMENTS

THP
THP Limited, Inc.
Consulting Engineers
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Cincinnati, Ohio 45202
Phone: (513) 241-3222
Fax: (513) 241-2981

ISSUES	
1	10/12/2015
2	2/27/2016
3	3/5/2016



DRAWN BY: M.S.
ENGINEER:
CHECKED BY: M.P.

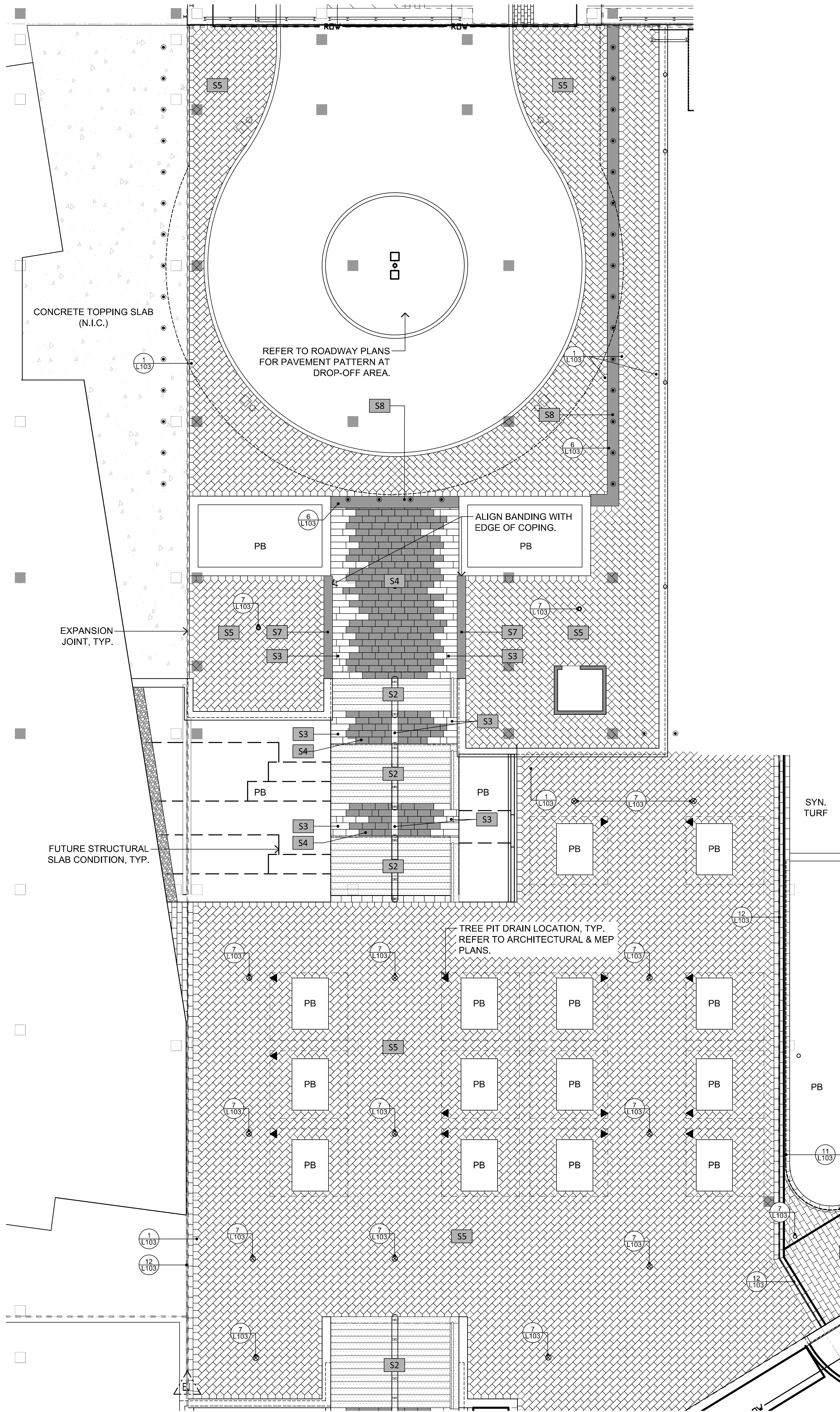
THE BANKS
PHASE 3B

LOT 23/27/28 GARAGE &
RACE ST. TURNAROUND

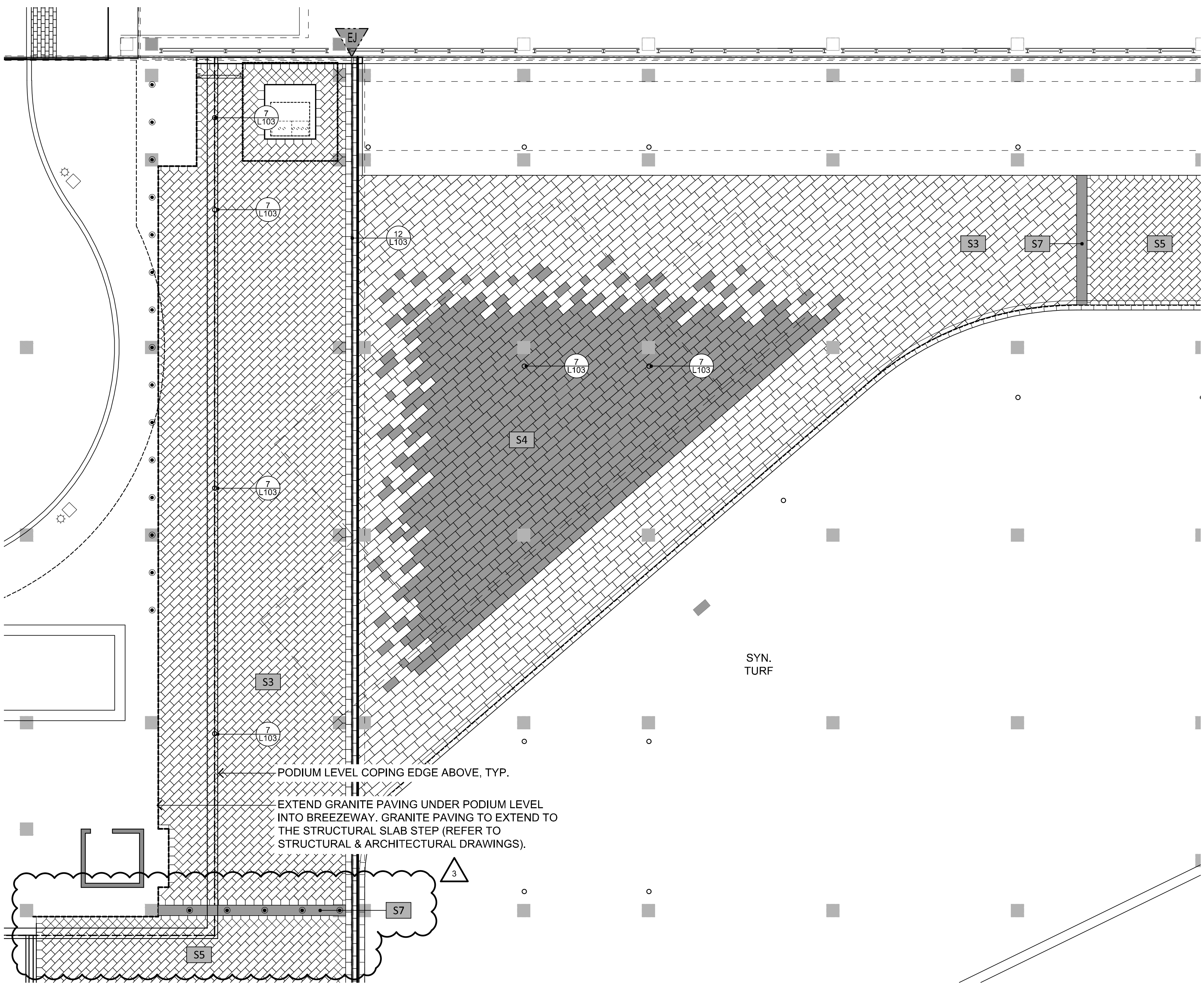
DRAWING TITLE
**HARDSCAPE
ENLARGEMENT
PLANS**

JOB NUMBER
98090.38
DRAWING NUMBER

L101



1 PODIUM LEVEL AND RACE STREET PLAZA ENLARGEMENT PLAN
SCALE: 1" = 10'-0"



2 TEMPORARY STAGE AREA ENLARGEMENT PLAN
SCALE: 1" = 10'-0"



NOTE:
UNDERGROUND UTILITIES ARE PLOTTED FROM A
COMPILATION OF AVAILABLE RECORD INFORMATION AND
SURFACE INDICATIONS OF UNDERGROUND STRUCTURES AND
MAY NOT BE INCLUSIVE. PRECISE LOCATIONS AND THE
EXISTENCE OR NON EXISTENCE OF UNDERGROUND UTILITIES
CANNOT BE VERIFIED. PLEASE NOTIFY THE OHIO UTILITY
PROTECTION SERVICE AT 1-800-362-5764 BEFORE ANY PERIOD
OF EXCAVATION OR CONSTRUCTION ACTIVITY.

- JOINTING NOTES
1. ALL PAVING TO PAVING 1/8" JOINT, TYP.
 2. ALL PAVING TO FACE OF WALL 1/2" JOINT, TYP.
 3. FOR EXPANSION JOINT LOCATIONS AND DETAILS SEE ARCHITECTURAL DRAWINGS.
 4. ALL ANGLES ARE TO BE CONSIDERED 90° UNLESS NOTED OTHERWISE.
 5. AVOID SMALL SLIVERS OR TRIANGULAR GRANITE PAVER SEGMENTS. SNAP JOINT LINE TO TANGENT OF CURVE OR PROVIDE PERPENDICULAR OFFSET TO CREATE "HOME PLATE" LAYOUT. SEE PREVIOUS PHASES FOR CONSTRUCTED EXAMPLES. NO GRANITE PIECES SMALLER THAN 4".
 6. JOINTS SHOULD BE ALIGNED WITH MAJOR VERTICAL ELEMENTS AND MATERIAL CHANGES.

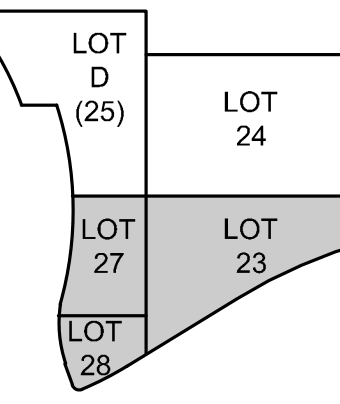
- LEGEND
- VEHICULAR RATED PAVER AREA, REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS.
 - PB PLANT BED, REFER TO LANDSCAPE PLANS.
 - S1 STANDARD CONCRETE, TYP. SEE ARCHITECTURAL DRAWINGS.
 - S2 BROWN THERMAL GRANITE PAVING - STAIRS, BIKE RUNNEL, TYP. SEE ARCHITECTURAL DRAWINGS.
 - S3 PAVING PATTERN #1 - BUFF THERMAL GRANITE PAVER, TYP. IRREGULAR RUNNING BOND PATTERN.
 - S4 PAVING PATTERN #2 - BROWN THERMAL GRANITE PAVER, TYP. IRREGULAR RUNNING BOND PATTERN, STAGGERED EDGE.
 - S5 PAVING PATTERN #3 - BUFF THERMAL GRANITE PAVER, TYP. RUNNING BOND PATTERN ON 45° ANGLE.
 - S6 PAVING PATTERN #4 - BUFF THERMAL GRANITE PAVER, TYP. RUNNING BOND PATTERN.
 - S7 1'-8" WIDE PAVER BAND, BROWN THERMAL GRANITE, TYP. IRREGULAR RUNNING BOND PATTERN
 - S8 2'-3" WIDE PAVER BAND, BROWN THERMAL GRANITE, TYP. IRREGULAR RUNNING BOND PATTERN



HAMILTON COUNTY
RIVERFRONT PARKING
AND INFRASTRUCTURE
IMPROVEMENTS

THP
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ISSUES	
1	01/22/2013
2	2/27/2013
3	3/5/2013



DRAWN BY: M.S.

ENGINEER:

CHECKED BY: M.P.

THE BANKS
PHASE 3B

LOT 23/27/28 GARAGE &
RACE ST. TURNAROUND

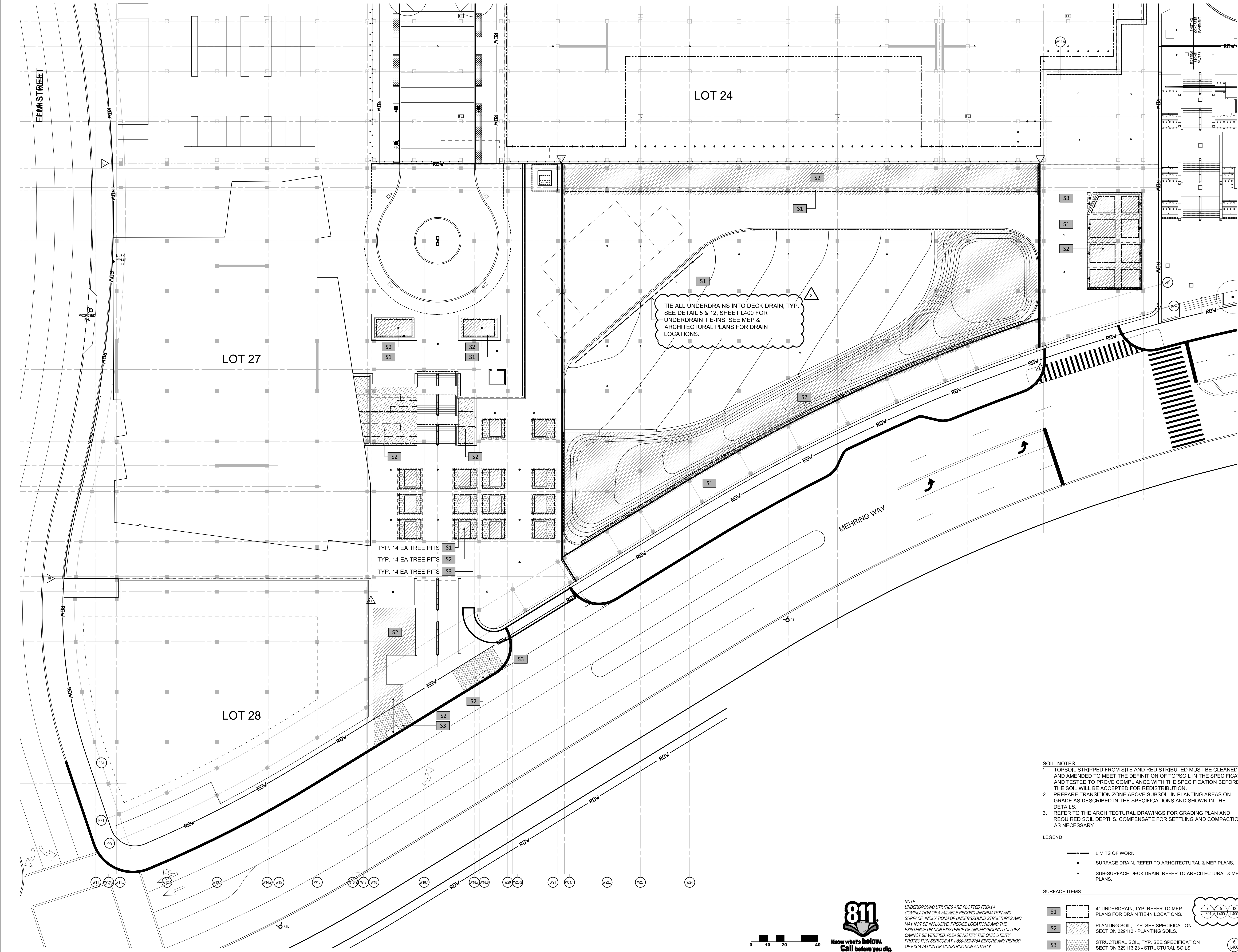
LANDSCAPE
SOILS PLAN

JOB NUMBER DATE

98090.38

DRAWING NUMBER

L200



- SOIL NOTES**
- TOPSOIL STRIPPED FROM SITE AND REDISTRIBUTED MUST BE CLEANED AND AMENDED TO MEET THE DEFINITION OF TOPSOIL IN THE SPECIFICATION AND TESTED TO PROVE COMPLIANCE WITH THE SPECIFICATION BEFORE THE SOIL WILL BE ACCEPTED FOR REDISTRIBUTION.
 - PREPARE TRANSITION ZONE ABOVE SUBSOIL IN PLANTING AREAS ON GRADE AS DESCRIBED IN THE SPECIFICATIONS AND SHOWN IN THE DETAILS.
 - REFER TO THE ARCHITECTURAL DRAWINGS FOR GRADING PLAN AND REQUIRED SOIL DEPTHS. COMPENSATE FOR SETTLING AND COMPACTION AS NECESSARY.

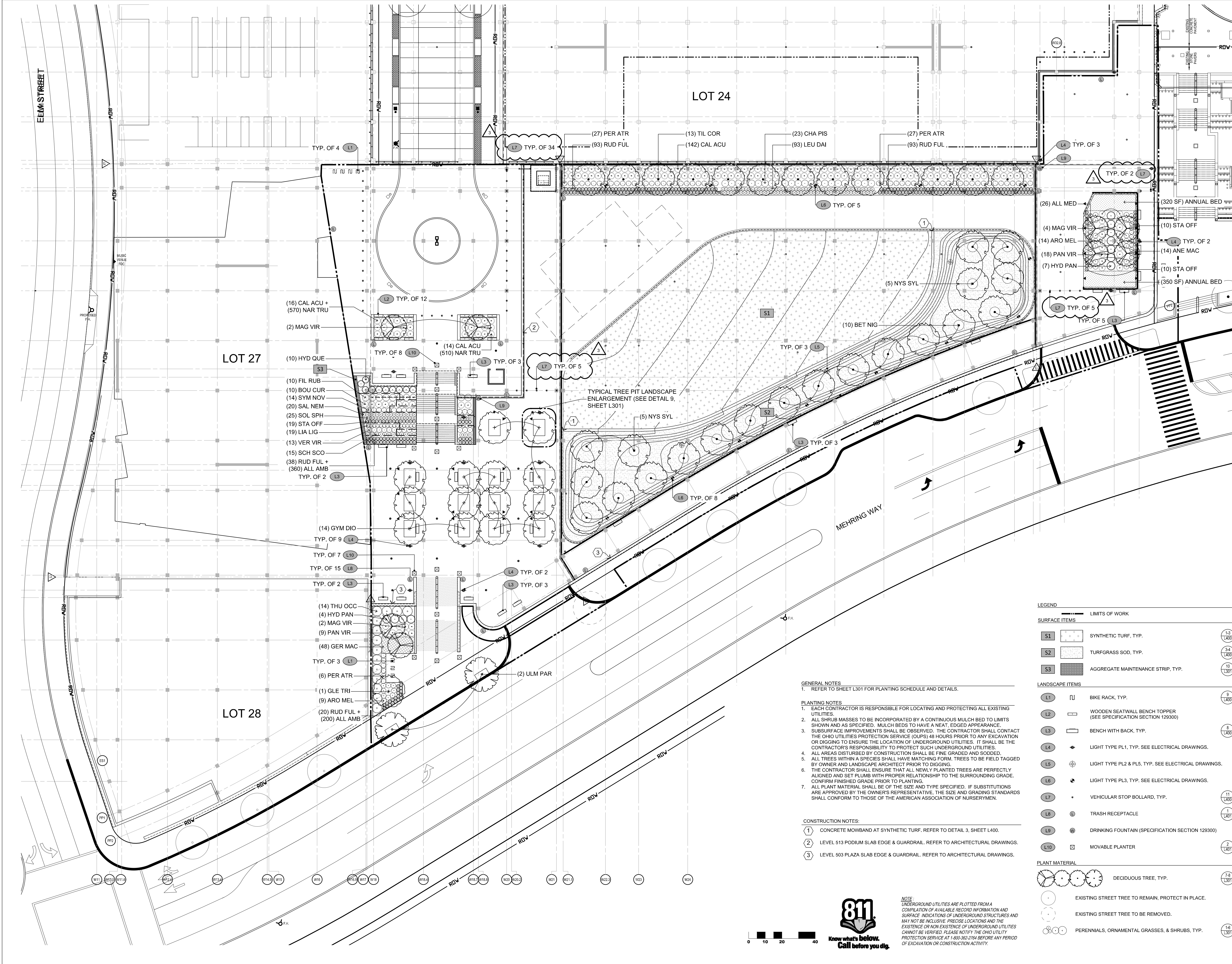
LEGEND

- LIMITS OF WORK
- SURFACE DRAIN. REFER TO ARCHITECTURAL & MEP PLANS.
- SUB-SURFACE DECK DRAIN. REFER TO ARCHITECTURAL & MEP PLANS.

- SURFACE ITEMS**
- S1 4" UNDERDRAIN, TYP. REFER TO MEP PLANS FOR DRAIN TIE-IN LOCATIONS.
 - S2 PLANTING SOIL, TYP. SEE SPECIFICATION SECTION 329113 - PLANTING SOILS.
 - S3 STRUCTURAL SOIL, TYP. SEE SPECIFICATION SECTION 329113.23 - STRUCTURAL SOILS.

NOTE:
UNDERGROUND UTILITIES ARE PLOTTED FROM A COMPILED LIST OF AVAILABLE RECORD INFORMATION AND SURFACE INDICATIONS OF UNDERGROUND STRUCTURES AND MAY NOT BE INCLUSIVE. PRECISE LOCATIONS AND THE EXISTENCE OR NON EXISTENCE OF UNDERGROUND UTILITIES CANNOT BE VERIFIED. PLEASE NOTIFY THE OHIO UTILITY PROTECTION SERVICE AT 1-800-362-5764 BEFORE ANY PERIOD OF EXCAVATION OR CONSTRUCTION ACTIVITY.





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ISSUES	DATE	DESCRIPTION
1	07/20/2011	880 PACKAGE #1 - L301 PROGS
2	2/27/2012	880 PACKAGE #8
3	3/5/2012	880 PACKAGE #11

LOT 24
LOT 27
LOT 28

DRAWN BY: M.S.

ENGINEER:

CHECKED BY: M.P.

**THE BANKS
PHASE 3B**

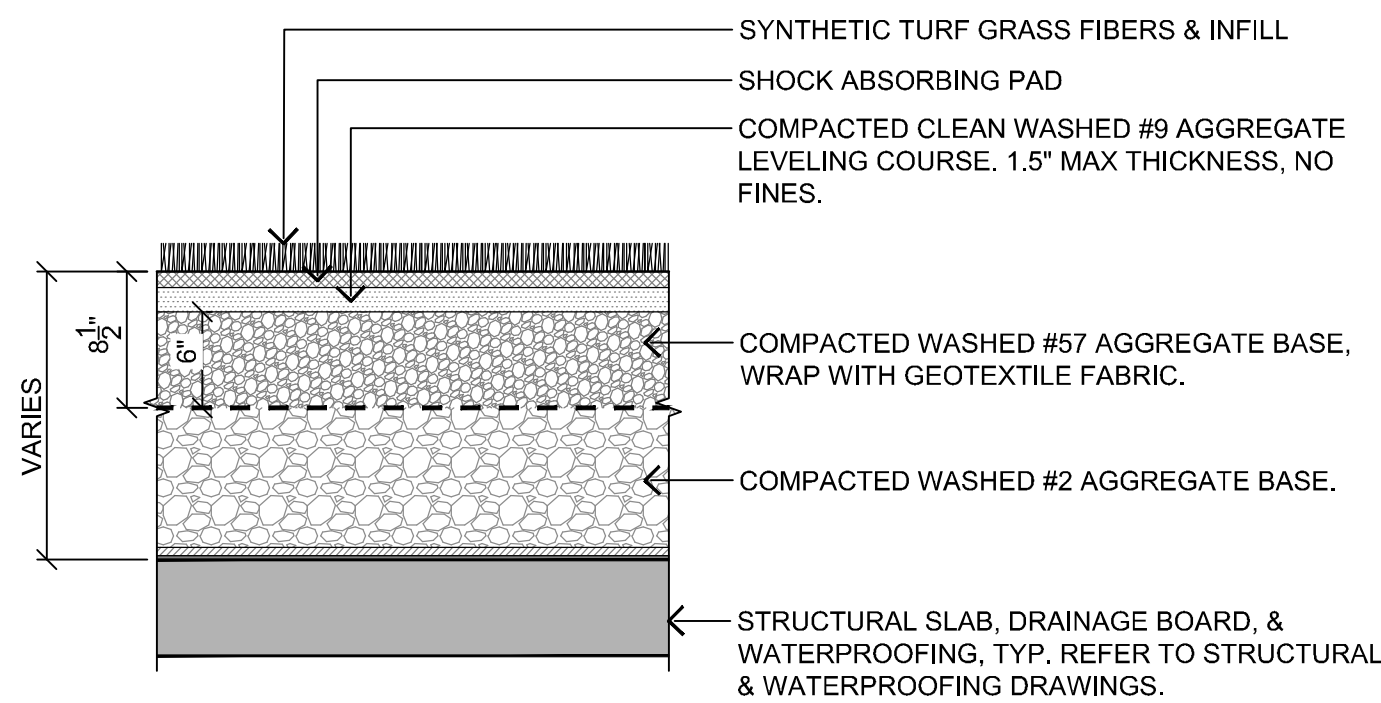
LOT 23/27/28 GARAGE &
RACE ST. TURNAROUND

DRAWING TITLE

**LANDSCAPE
PLAN**

JOB NUMBER: 98090.38

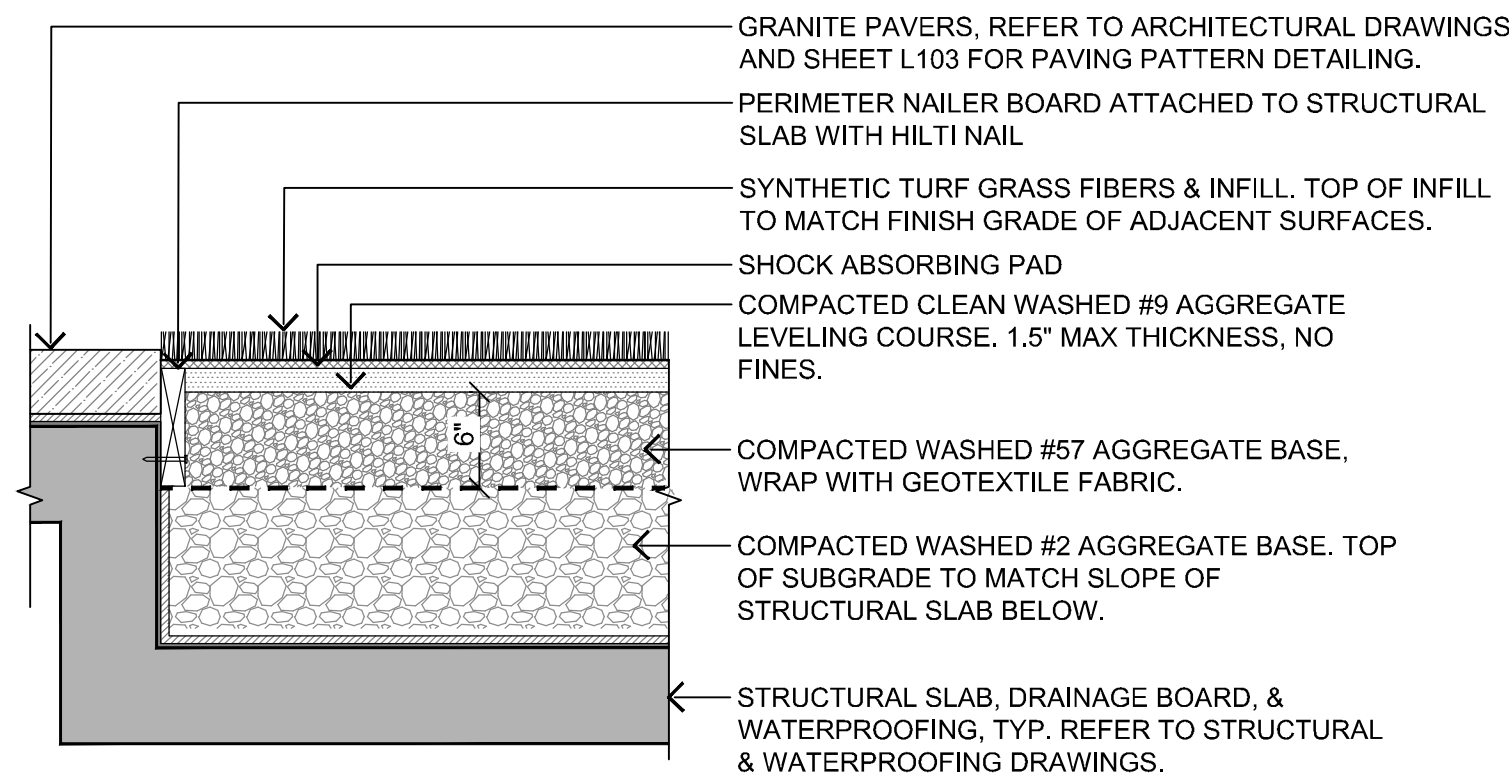
DRAWING NUMBER: **L300**



- NOTES:
1. REFER TO SPECIFICATION SECTION 321813 - SYNTHETIC TURF FOR ADDITIONAL INFORMATION.
 2. REFER TO MEP DRAWINGS FOR STRUCTURAL DECK DRAIN LOCATIONS AND DETAILS.
 3. REFER TO ARCHITECTURAL DRAWINGS FOR GRADING PLANS.

1 SYNTHETIC TURF

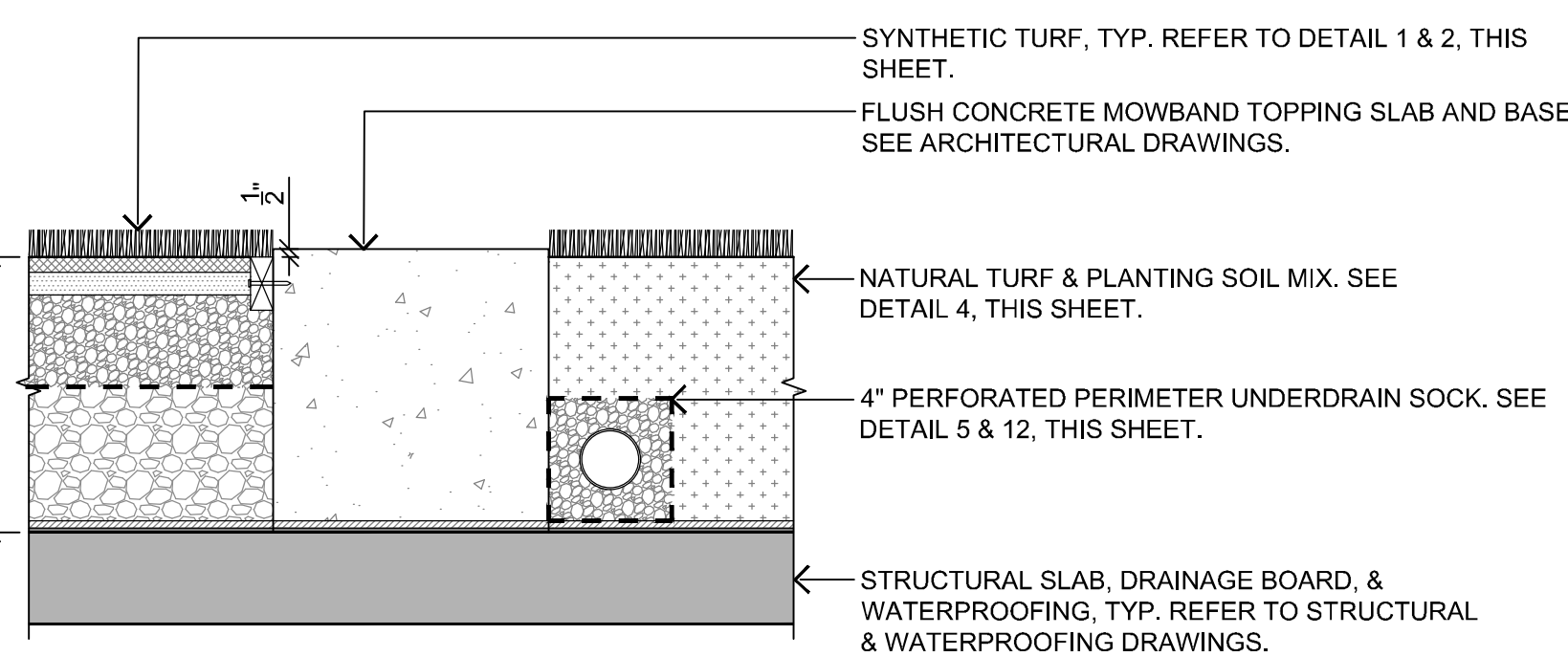
SCALE: 1" = 1'-0"



- NOTES:
1. REFER TO SPECIFICATION SECTION 321813 - SYNTHETIC TURF FOR ADDITIONAL INFORMATION.
 2. REFER TO MEP DRAWINGS FOR STRUCTURAL DECK DRAIN LOCATIONS AND DETAILS.
 3. REFER TO ARCHITECTURAL DRAWINGS FOR GRADING PLANS.

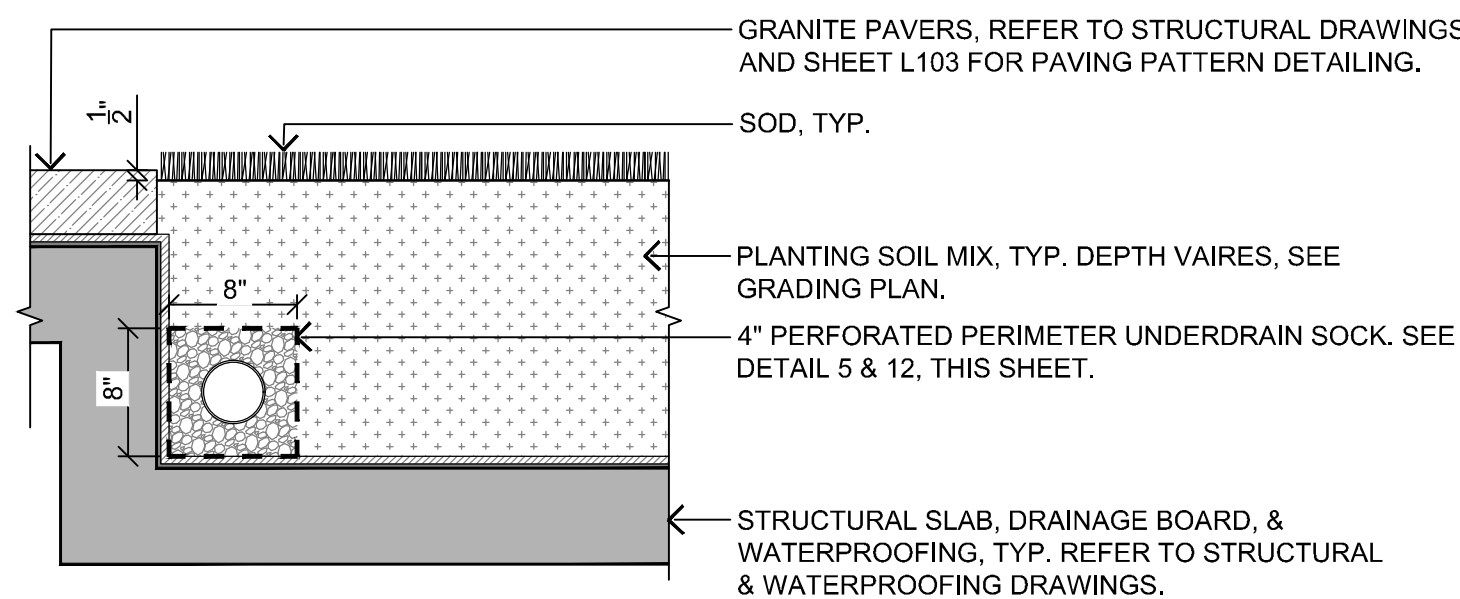
2 SYNTHETIC TURF AT GRANITE PAVING

SCALE: 1" = 1'-0"



3 CONCRETE MOWBAND AT SYNTHETIC TURF

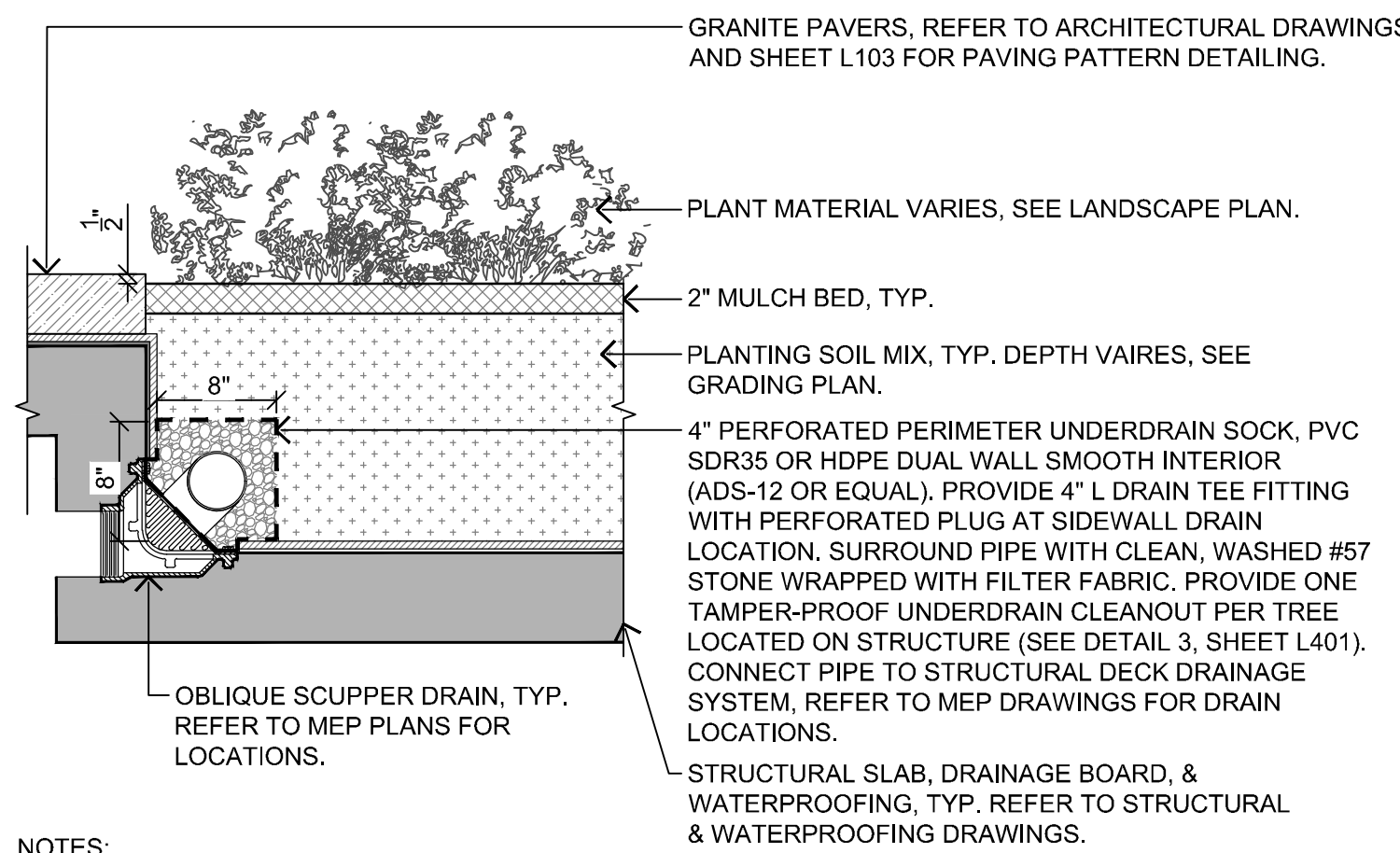
SCALE: 1" = 1'-0"



- NOTES:
1. REFER TO SPECIFICATION SECTION 329200 - TURF & GRASSES AND 329113 - PLANTING SOILS FOR ADDITIONAL INFORMATION.
 2. REFER TO MEP DRAWINGS FOR STRUCTURAL DECK CATCH BASIN LOCATIONS AND DETAILS.
 3. REFER TO ARCHITECTURAL DRAWINGS FOR GRADING PLANS.

4 NATURAL TURF AT GRANITE PAVING

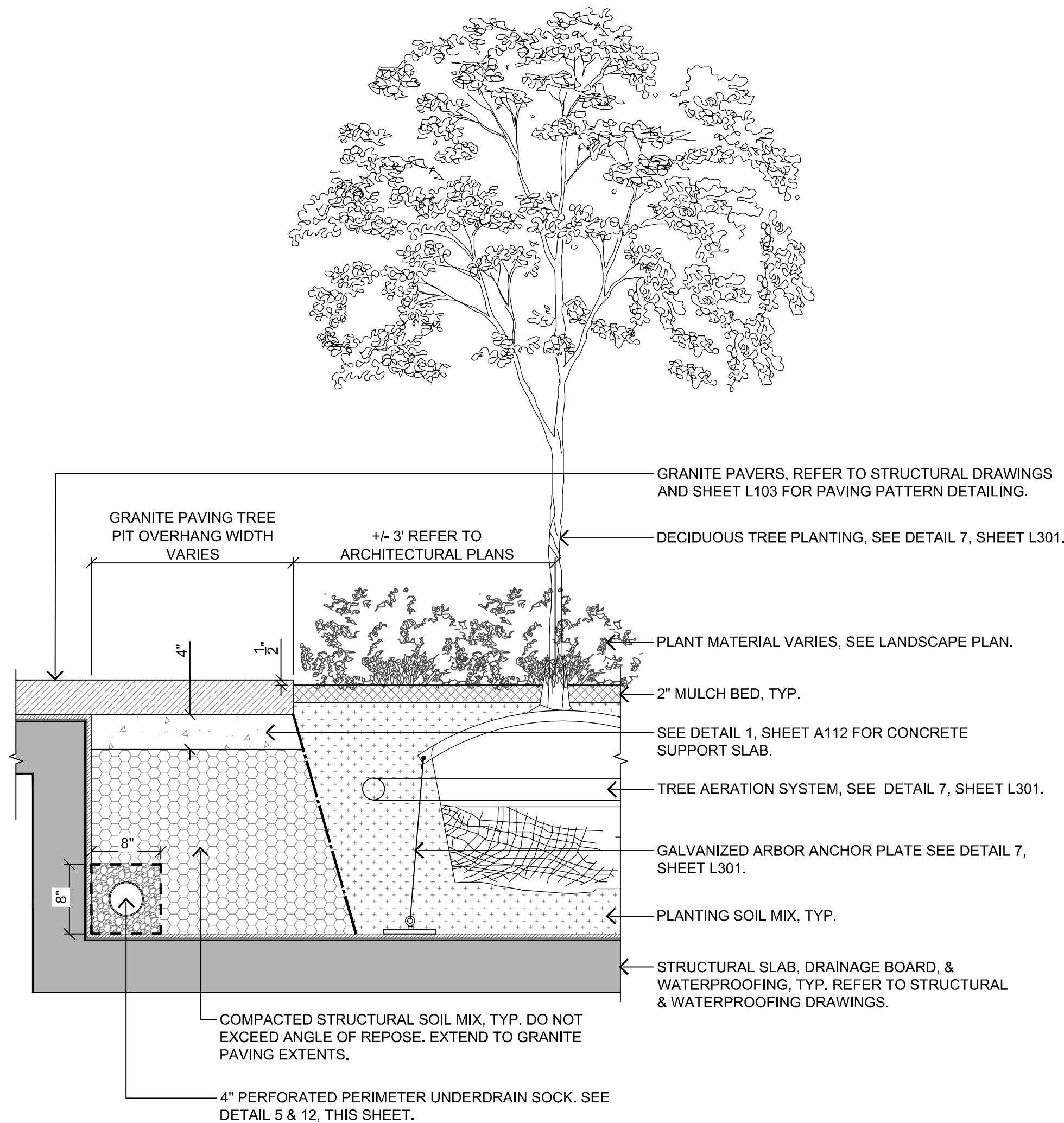
SCALE: 1" = 1'-0"



- NOTES:
1. REFER TO SPECIFICATION SECTION 329300 - PLANTS AND 329113 - PLANTING SOILS FOR ADDITIONAL INFORMATION.
 2. REFER TO MEP DRAWINGS FOR STRUCTURAL DECK DRAIN LOCATIONS AND DETAILS.
 3. REFER TO ARCHITECTURAL DRAWINGS FOR GRADING PLANS.

5 PLANT BED AT GRANITE PAVING

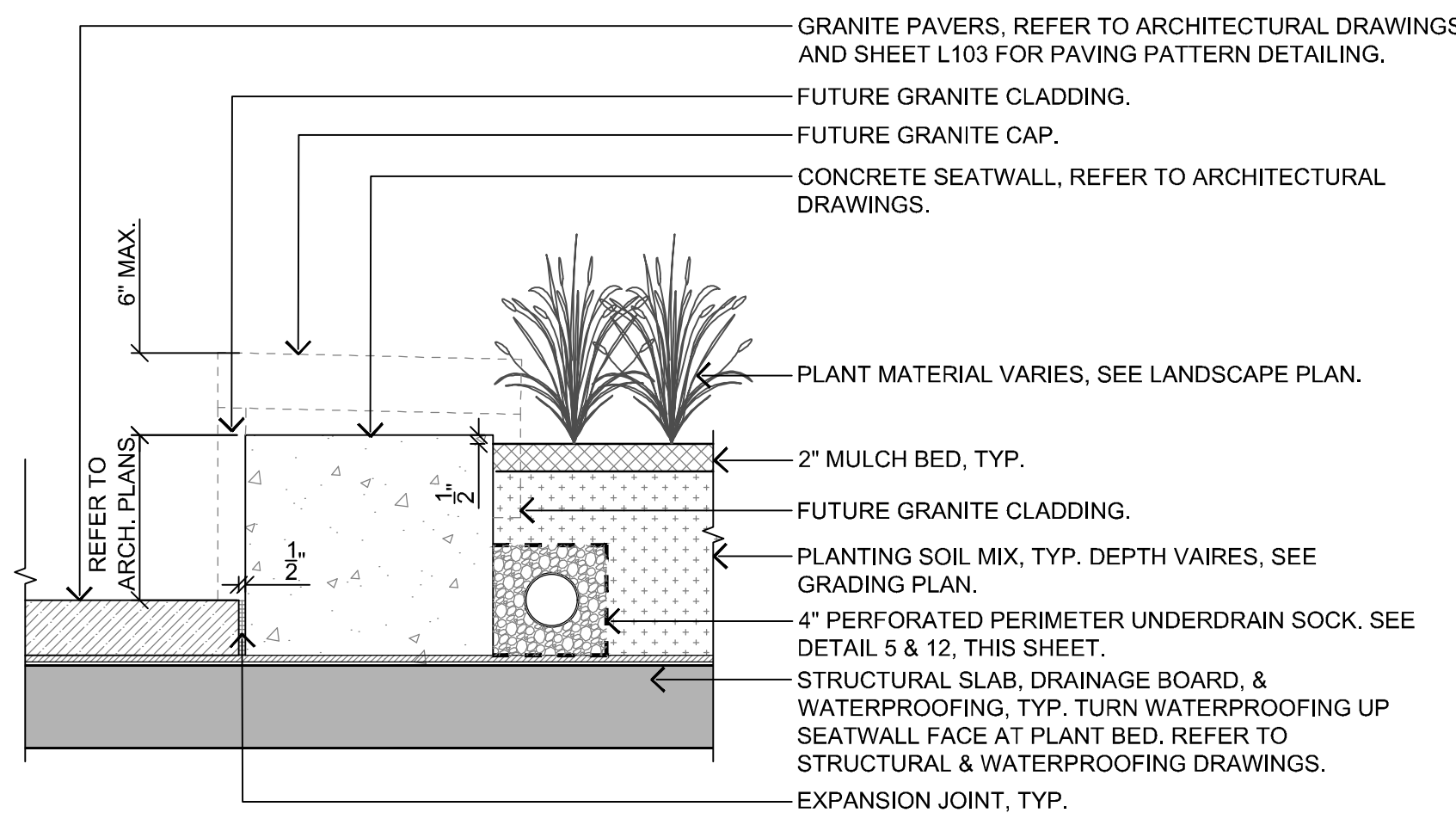
SCALE: 1" = 1'-0"



- NOTES:
1. REFER TO SPECIFICATION SECTION 329300 - PLANTS AND 329113 - PLANTING SOILS FOR ADDITIONAL INFORMATION.
 2. REFER TO MEP DRAWINGS FOR STRUCTURAL DECK DRAIN LOCATIONS AND DETAILS.

6 TREE PIT AT GRANITE PAVING

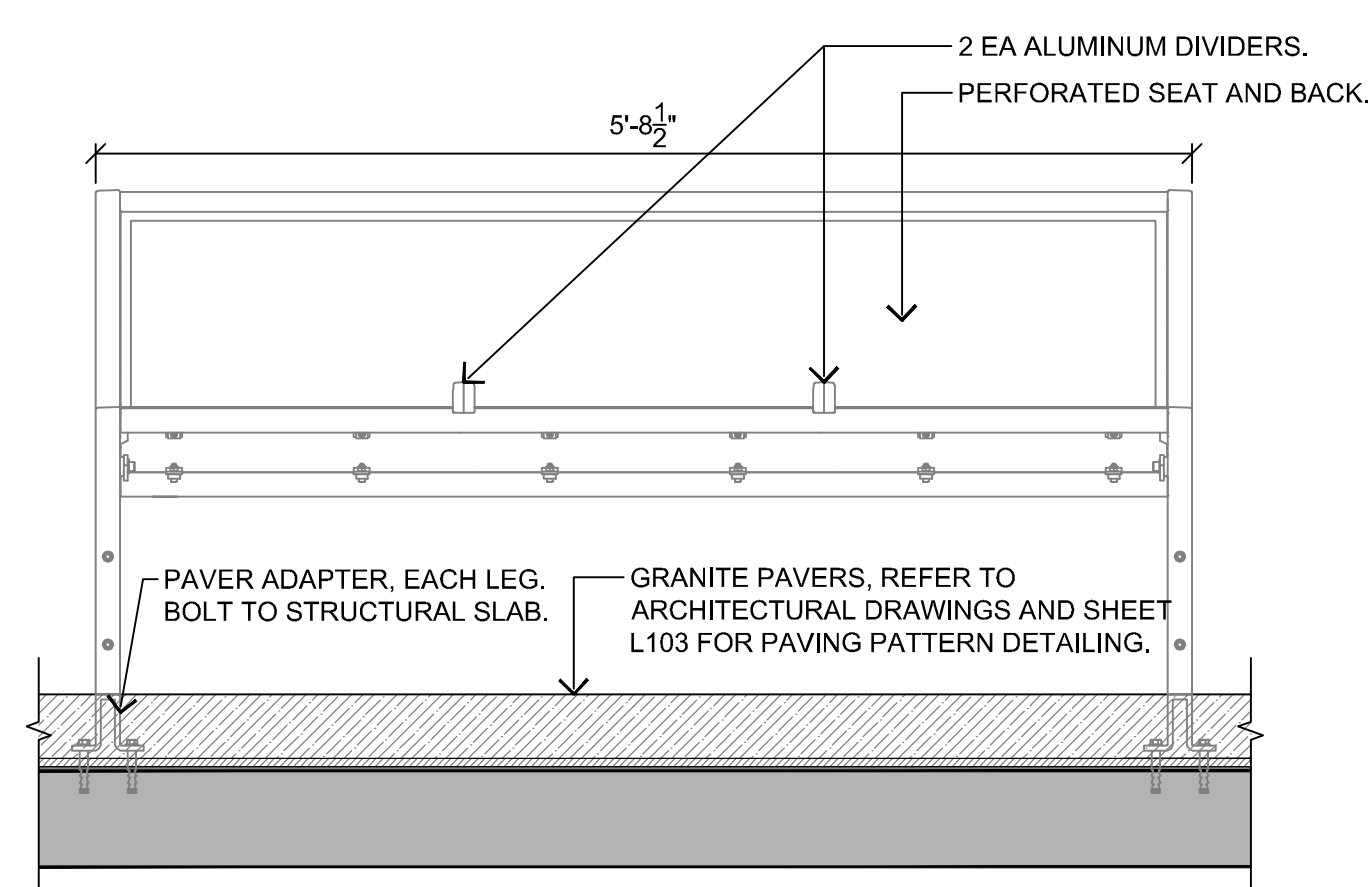
SCALE: 1" = 1'-0"



- NOTES:
1. REFER TO SPECIFICATION SECTION 329300 - PLANTS AND 329113 - PLANTING SOILS FOR ADDITIONAL INFORMATION.
 2. REFER TO MEP DRAWINGS FOR STRUCTURAL DECK DRAIN LOCATIONS AND DETAILS.
 3. REFER TO ARCHITECTURAL DRAWINGS FOR GRADING PLANS.

7 CONCRETE PLANTER WALL AT RACE STREET

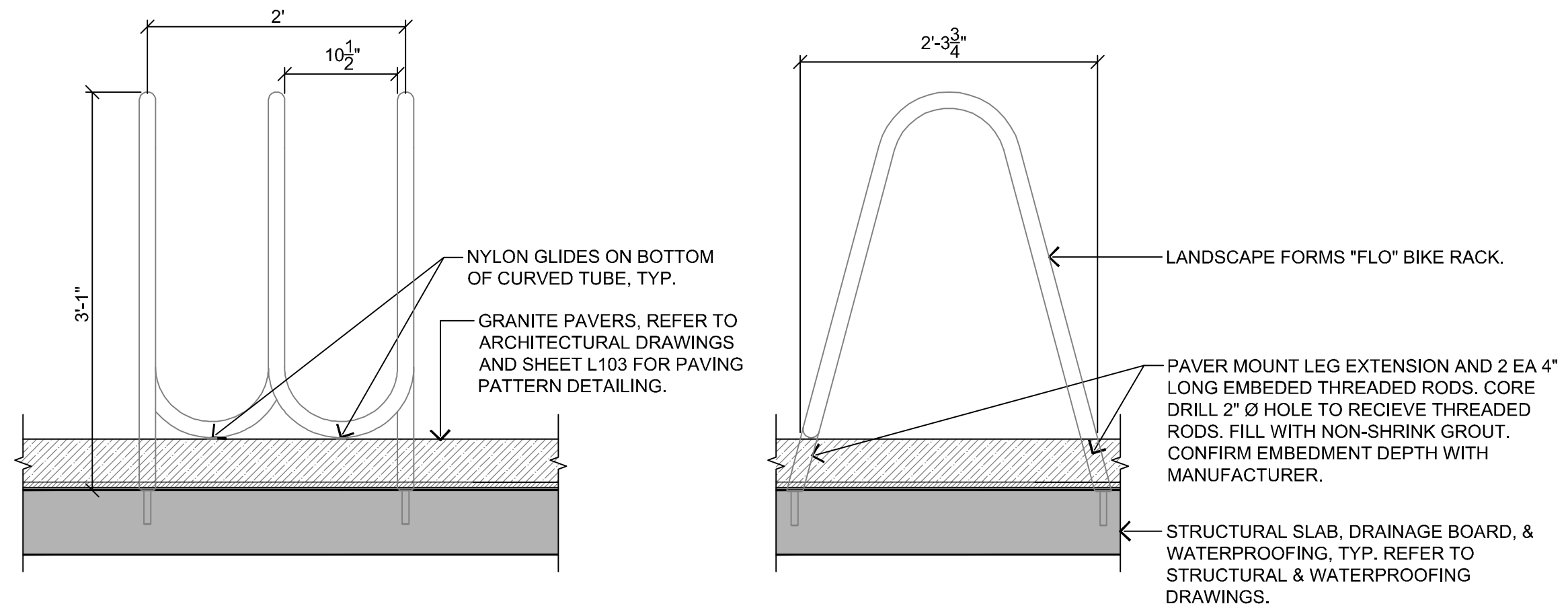
SCALE: 1" = 1'-0"



- NOTES:
1. REFER TO SPECIFICATION SECTION 129300 - SITE FURNISHINGS FOR ADDITIONAL INFORMATION.
 2. REFER TO ARCHITECTURAL DRAWINGS FOR GRANITE PAVING DETAILS.
 3. BENCHES SHOULD BE INSTALLED PLUMB VERTICAL. SUBMIT SHOP DRAWING FOR APPROVAL PRIOR TO PROCUREMENT AND INSTALLATION.

8 BENCH WITH BACK

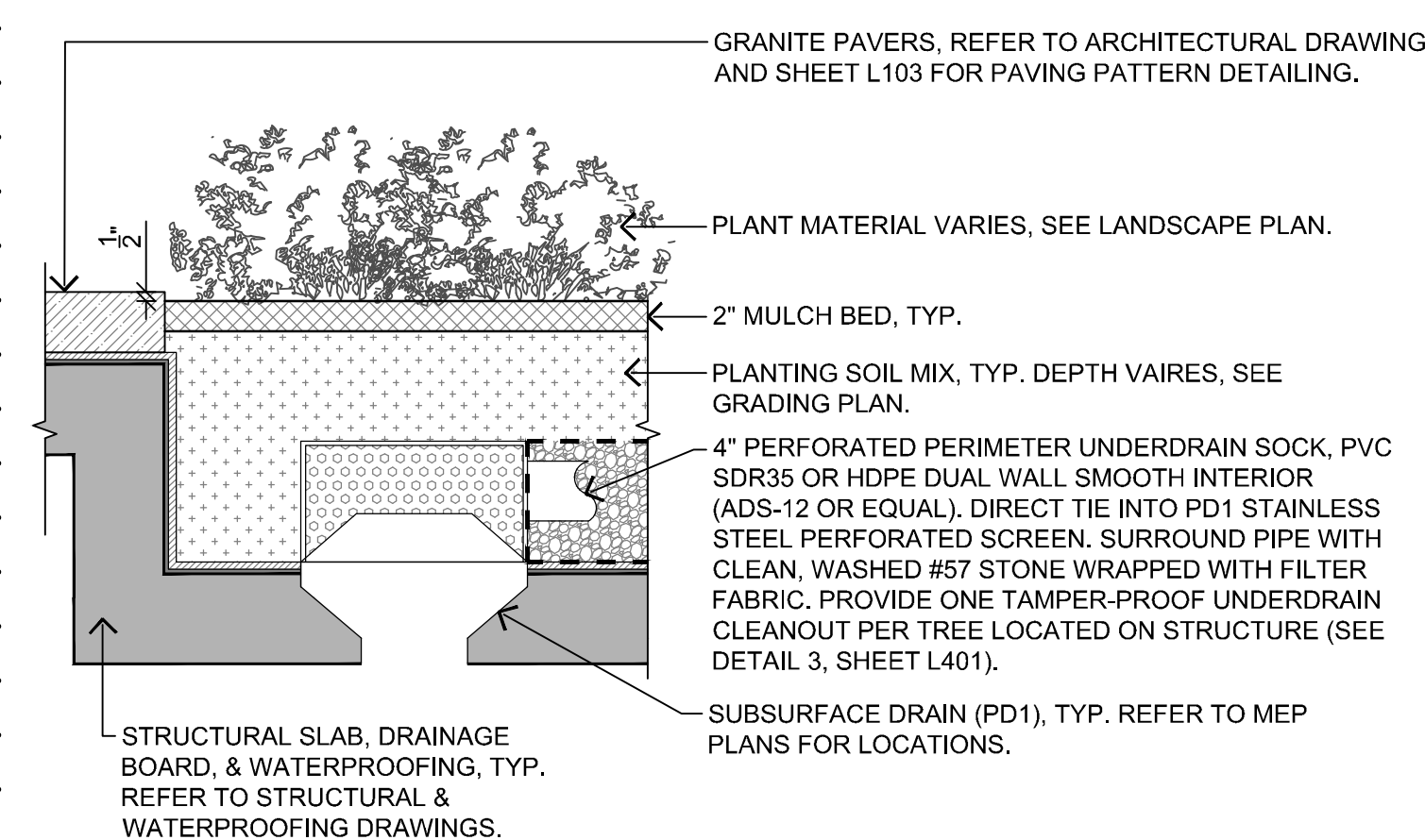
SCALE: 1" = 1'-0"



- NOTES:
1. REFER TO SPECIFICATION SECTION 129300 - SITE FURNISHINGS FOR ADDITIONAL INFORMATION.
 2. REFER TO ARCHITECTURAL DRAWINGS FOR GRANITE PAVING DETAILS.
 3. BIKE RACK SHOULD BE INSTALLED PLUMB VERTICAL. SUBMIT SHOP DRAWING FOR APPROVAL PRIOR TO PROCUREMENT AND INSTALLATION.

9 BIKE RACK

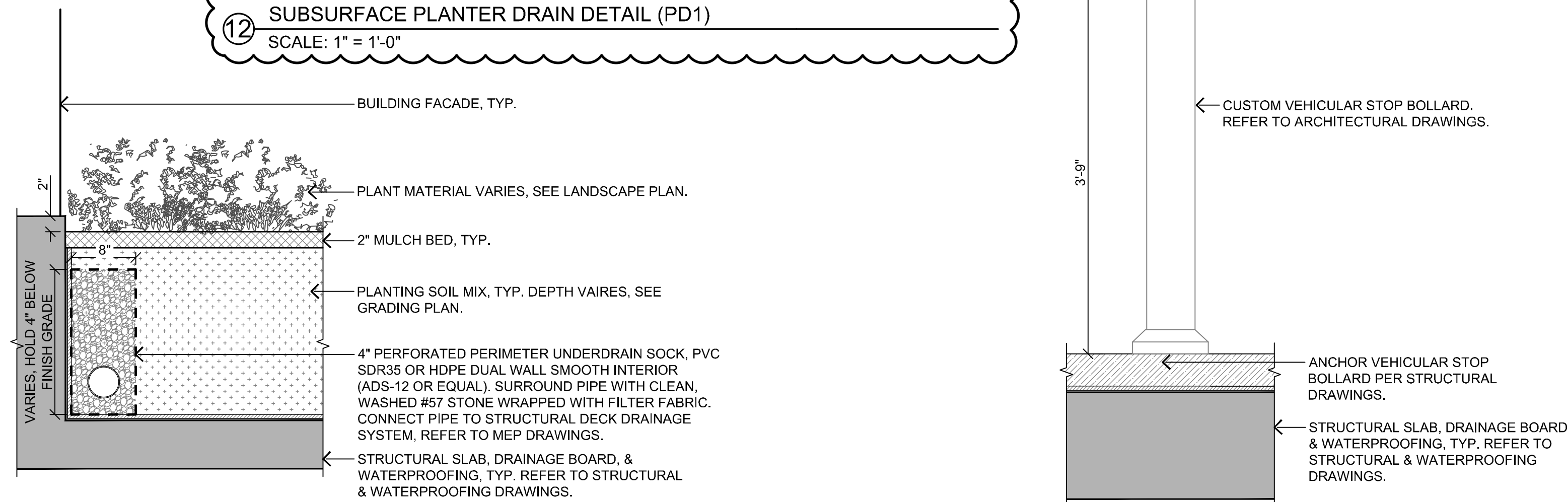
SCALE: 1" = 1'-0"



- NOTES:
1. REFER TO SPECIFICATION SECTION 329300 - PLANTS AND 329113 - PLANTING SOILS FOR ADDITIONAL INFORMATION.
 2. REFER TO MEP DRAWINGS FOR STRUCTURAL DECK DRAIN LOCATIONS AND DETAILS.
 3. REFER TO ARCHITECTURAL DRAWINGS FOR GRADING PLANS.

12 SUBSURFACE PLANTER DRAIN DETAIL (PD1)

SCALE: 1" = 1'-0"



- NOTES:
1. REFER TO SPECIFICATION SECTION 329300 - PLANTS AND 329113 - PLANTING SOILS FOR ADDITIONAL INFORMATION.
 2. REFER TO MEP DRAWINGS FOR STRUCTURAL DECK DRAIN LOCATIONS AND DETAILS.
 3. REFER TO ARCHITECTURAL DRAWINGS FOR GRADING PLANS.

10 PLANT BED AT BUILDING FACADE

SCALE: 1" = 1'-0"

- NOTES:
1. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR CUSTOM BOLLARD.
 2. REFER TO STRUCTURAL DRAWINGS FOR STRUCTURAL SLAB DEPTHS AND WATERPROOFING.

11 VEHICULAR STOP BOLLARD

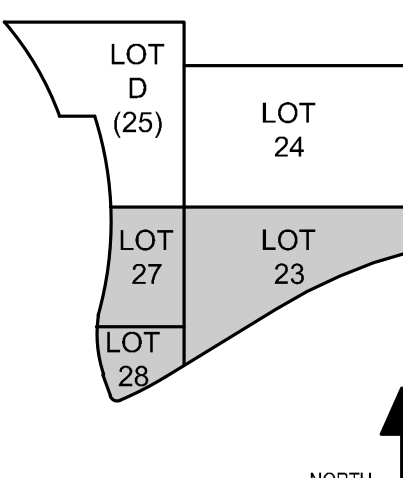
SCALE: 1" = 1'-0"



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Cincinnati, Ohio 45202
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ISSUES		NO. PACKAGE #	DESCRIPTION	DATE
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DRAWN BY: M.S.
ENGINEER:
CHECKED BY: M.P.

**THE BANKS
PHASE 3B**

LOT 23/27/28 GARAGE &
RACE ST. TURNAROUND

DRAWING TITLE

DETAILS

JOB NUMBER DATE

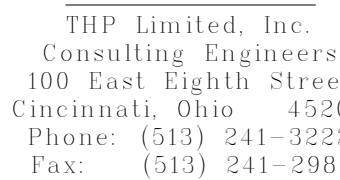
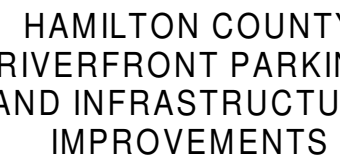
98090.38

DRAWING NUMBER

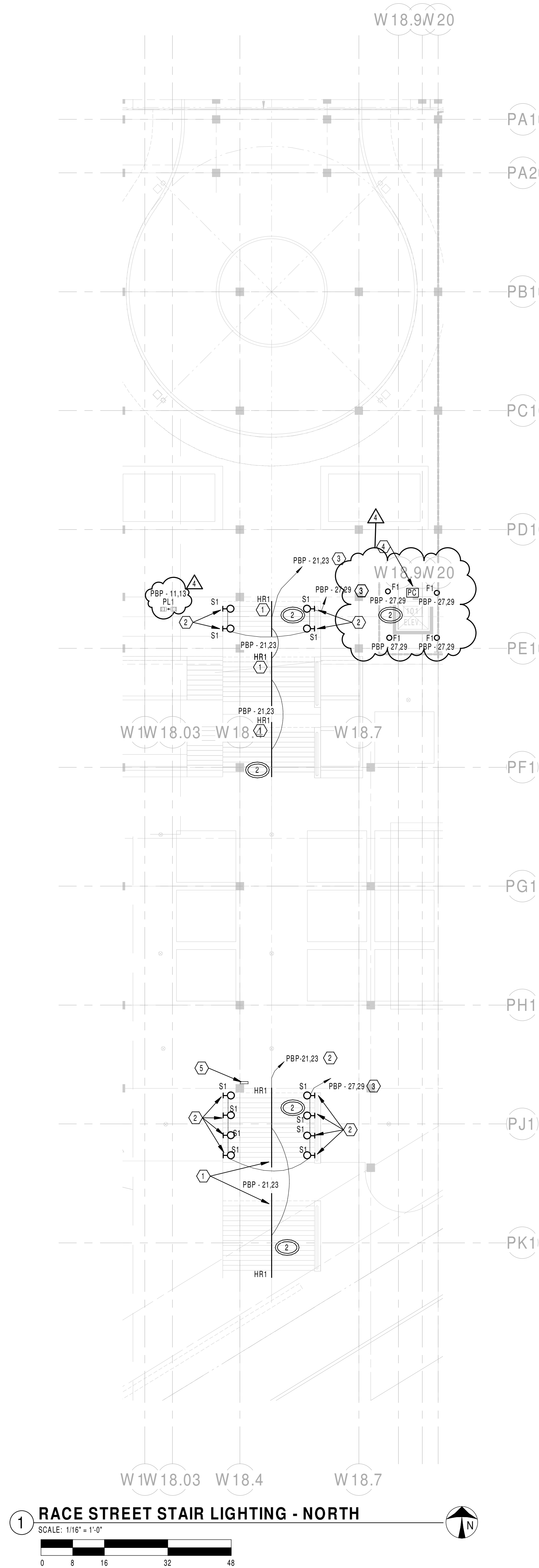
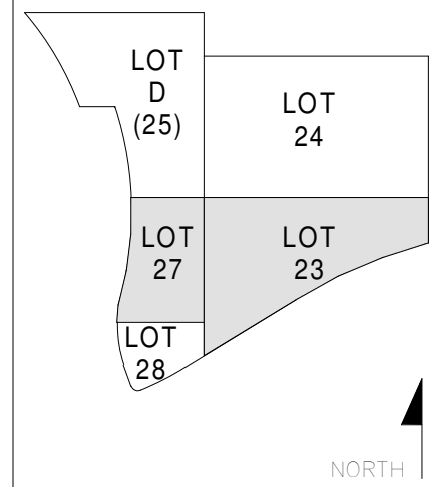
L400

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LUMINAIRES																																	
MARK	LAMPS										LOG (VA)	FIRE VOLTAGE	MANUFACTURER	CATALOG NO.	DESCRIPTION	OTHER ACCEPTABLE MANUFACTURERS	DIFFUSING MEDIA	TRIM COLOR				MOUNTING				SIZE							
	QUANTITY		WATTS / LAMP	V.A. LINEAR FOOT	CATALOG NO.	DEIVERED LUMENS	COLOR	LOG (VA)	FIRE VOLTAGE	MANUFACTURER								CATALOG NO.	DESCRIPTION	OTHER ACCEPTABLE MANUFACTURERS	DIFFUSING MEDIA	WHITE	BLACK	ALUMINUM	BRONZE	STANDARD	SEE NOTE	S-SURFACE R-RECESSED SM-STEM MTD WM-WALL MTD C-CHAIN MTD LC-UNDER CAB SEC-UNDER CAB PM - POLE MOUNT	DIAMETER	WIDTH	LENGTH	DEPTH	SEE NOTE
	PERCENT	INCREASCENT																															
F1	1	10	1	10	LED	950	4000K	10	208	LITHONIA	LDN6-40-10-LO6-AR-LSS-MVOLT-QZ10-SF	6" WALLWASH DOWNLIGHT	INTERSE, KOLE	CLEAR ACRYLIC							R	6"											
HRI	1	5	1	5	LED	4000K	415	2	208	WAGNER	LULS-40K-5A-70-TA-XX-A	UNDER RAIL STAINLESS STEEL LED LINEAR FLOOD LIGHT	ALISA, INSHITT, HYDREL	ACRYLIC LENS							S	1.5"											
PL2				14	LED	10611	4000K	70	208	LIGMAN LIGHTING	UQA-50011-104W LED-M-W40-07-120/277V-A53831-PC45-DIM	FLOOD LIGHT 37 DEGREE DISTRIBUTION	INSIGHT, BEGA, WE-EF	VISOR							PM - 10" ROUND POLE	12"	17.125"	6"	2.4,6,7,10,1								
PL3			1	42	LED	2286	4000K	60	208	LIGMAN LIGHTING	UABA-20002-60W-T3-W40-120/277	T3 DISTRIBUTION PEDESTRAIN POLE LIGHT	LOUIS POLSEN, BEGA, WE-EF	ACRYLIC LENS							PM - 10" ROUND POLE	30"		18.1"		2.4,5.6							
PL5				104	LED	10611	4000K	70	208	LIGMAN LIGHTING	UQA-50011-104W LED-W-W40-07-120/277V-A53831-PC45-DIM	FLOOD LIGHT 51 DEGREE DISTRIBUTION	LOUIS POLSEN, INSHITT	VISOR							PM-20" ROUND POLE	14"	17.125"	6"	2.4,5,6,10,1								
S1			1	2	LED	43	4000K	2	208	BEGA	SERIES "22 230"	RECESSED STAIR LIGHT	LIGMAN, SPI	ACRYLIC LENS							R		8"	3.125"	4"	2,3.4							



- ## NOTES
1. HAND RAIL COORDINATE EIGHT ELECTRICAL REQUIREMENTS FOR EACH HANDRAIL. SEE MANUFACTURER'S INSTRUCTIONS FOR MOUNTING TO ROUGH-IN AND PROVIDE ACCORDINGLY. MOUNT REMOTE DRIVERS TO ROUGH-IN AND PROVIDE ACCORDINGLY. COORDINATE EIGHT LOCATION OF REMOTE DRIVERS WITH OWNER/ARCHITECT AND CONSTRUCTION MANAGER PRIOR TO ROUGH-IN AND PROVIDE ACCORDINGLY.
 2. E.C. TO PROVIDE BACKBOX AND BLANK COVER PLATE E.C. TO HANDRAIL. PROVIDE 1/2" DEEP FUTURE INSTALL OF S1 STIFFENER BY OWNER. COORDINATE EIGHT LOCATION OF BACKBOX WITH OWNER/ARCHITECT AND CONSTRUCTION MANAGER PRIOR TO ROUGH-IN AND PROVIDE ACCORDINGLY.
 3. PROVIDER/UNDO 2009 - PH1 LIGHTING CIRCUITS WITH 2 #14 RIG, IN COMMON "J" CONTROL EXTERIOR LIGHTING PULLBOX. EXTEND BRANCH CIRCUIT FROM PULLBOX TO NEW PANEL. PROVIDE ELECTRICAL SERVICE ROOM RIGHTEOUSLY. BRANCH CIRCUIT THRU EXTERIOR LIGHTING CONTROLS PER DETAL 3, ON SHEET E005.
 4. PROVIDE A SURFACE MOUNT PHOTOCELL ON TOP OF ELEVATOR RAIL AND TWO LIGHTING LOCATIONS AS INDICATED BY DETAL 3, ON SHEET E005. PROVIDE PHOTOCELLS INCONSPICUOUS AS POSSIBLE AND AWAY FROM EXISTING LIGHT SOURCES. COORDINATE LOCATION OF PHOTOCELL WITH ARCHITECT PRIOR TO ROUGH-IN AND PROVIDE ACCORDINGLY.
 5. PROVIDE A STAINLESS STEEL ENCLOSURE FOR REMOTE DRIVERS OF THE HANDRAIL FISHING BELOW IN PARKING GARAGE. ENCLOSURE DRIVERS SHALL BE PLACED BETWEEN 120" TO 126" TO COORDINATE WITH THE LOCATION OF REMOTE DRIVERS WITH OWNER/ARCHITECT AND CONSTRUCTION MANAGER PRIOR TO ROUGH-IN AND PROVIDE ACCORDINGLY.

[illegible]

DRAWN BY:	JNR
ENGINEER:	JNR
CHECKED BY:	EWB

THE BANKS
PHASE 3B

LOT 23/27/28 GARAGE &
RACE ST. TURNAROUND

DRAWING TITLE
RACE STREET STAIR
LIGHTING PLAN

JOB NUMBER	2019-07018	02/21/2020
DRAWING NUMBER		

E202

THE LIGHTING PORTION OF THIS CONTRACT INCLUDES:
- THE ADDITION OF NEW LIGHTING ON RACE ST. TO TWO EXISTING LIGHT CIRCUITS.

INSPECTION

1. ALL CONDUIT IN TRENCHES SHALL BE APPROVED BEFORE BACKFILL AND/OR CONCRETE ENCASEMENT IS COMPLETED.

THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER FOR REVIEW AND APPROVAL, SEVEN, (7) SETS OF DRAWINGS, CATALOG CUTS, SPECIFICATIONS, DATA SHEETS, WIRING DIAGRAMS, ETC., FOR ALL APPARATUS AND EQUIPMENT THAT THE CONTRACTOR PROPOSES TO FURNISH. NO EQUIPMENT MAY BE PURCHASED OR INSTALLED WITHOUT WRITTEN APPROVAL.

TESTING SHALL MEET THE REQUIREMENTS OF ITEM 625.19. THIS SHALL INCLUDE A TEN (10) DAY BURN TEST OF THE COMPLETED AND OPERATIONAL SYSTEM.

625 LIGHTING MISC.: MODIFY EXISTING CONDUIT



THIS ITEM INCLUDES ALL LABOR AND MATERIALS REQUIRED TO MODIFY AND RECONNECT THE SPECIFIED LIGHTING CIRCUIT COMPLETE AS PLANS AND DETAILS INDICATE. SCHEDULE WORK SO AS NOT TO DISABLE THE EXISTING LIGHTING CIRCUIT DURING THE HOURS WHEN THE CIRCUIT IS NORMALLY OPERATIVE.

GLOBE STYLE LUMINAIRES SHALL BE 100-WATT LED, 277-VOLT(MT), TYPE IV DISTRIBUTION, STRESSCRETE CATALOG NUMBER KG20R-R1PD-IV-100(SSL)-1063-120:277V-K10 OR APPROVED EQUAL.

CONCRETE LIGHT POLES SHALL BE STRESSCRETE CLASSIC HIGHWAYMAN, OCTAGONAL, COLOR JADE GREEN, POLISHED FINISH, 12' HEIGHT, CATALOG NUMBER KCH12-G-S51-RBP-C/W 140-30/65 & AB. ALL PAINTED ITEMS TO BE GREEN MALLARD (SPECIFIC SHADE TO BE APPROVED BY THE ENGINEER).

FOUNDATIONS FOR THE CONCRETE LIGHT POLES SHALL BE CONSTRUCTED AS SPECIFIED IN THE STRUCTURAL PLAN SHEETS.

ALL PULLBOXES IN SIDEWALK OR STREET AREAS SHALL HAVE THE FRAME CAST INTEGRAL WITH FINAL SIDEWALK OR PAVING.

ALL PULLBOXES SHALL BE 24"x24" "DOWNTOWN SPECIAL" WITH NEENAH #1883-E4 FRAME AND FIBERGLASS/CONCRETE COVER MANUFACTURED BY QUAZITE, CDR SYSTEMS, OR APPROVED EQUAL. SEE CITY STANDARD DRAWING ES-8-1B.

IN ADDITION TO ITEM 625, ELECTRICAL CONDUIT SHALL MEET THE REQUIREMENTS OF CITY ITEM 1321. UNLESS OTHERWISE SPECIFIED, CONCRETE ENCASED CONDUIT SHALL BE INSTALLED. SIZE WILL BE AS SPECIFIED IN THE PLANS.

THIS ITEM SHALL ALSO INCLUDE ANY REQUIRED EXPANSION JOINTS AS INCIDENTAL TO THE COST OF THE ITEM.

CABLE AND WIRE SHALL BE THE TYPE AND SIZE SPECIFIED IN ACCORDANCE WITH THE PLANS AND STANDARD DRAWINGS. ALL ACCESSORIES, SPLICES AND HARDWARE WILL BE INCLUDED WITH THE CABLE AND WIRE. THE CITY SHALL APPROVE ALL CONNECTIONS AND SPLICES.

POWER, FEEDER, AND POLE AND BRACKET CABLE SHALL BE RHH/RHW/USE INSULATED AND RATED FOR 600 VOLTS.

CONNECTOR KITS AND SPLICE KITS SHALL MEET THE REUIREMENTS OF ODOT SPEC. ITEM 725.15.

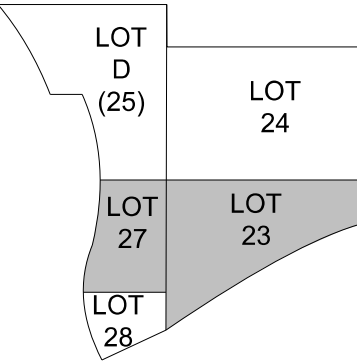
C800 THROUGH C803 INCLUDED IN BID PACKAGE #6 -
ADDENDUM #1 FOR STANDARD LIGHT POLES,
FIXTURE, AND ASSOCIATED WIRING.



HAMILTON COUNTY
RIVERFRONT PARKING
AND INFRASTRUCTURE
IMPROVEMENTS

BURGESS & NIPLE

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Cincinnati, OH 45202

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RAYN BY: SNG

S.C.S.

CHECKED BY: S.C.S

THE BANKS
PHASE 3B

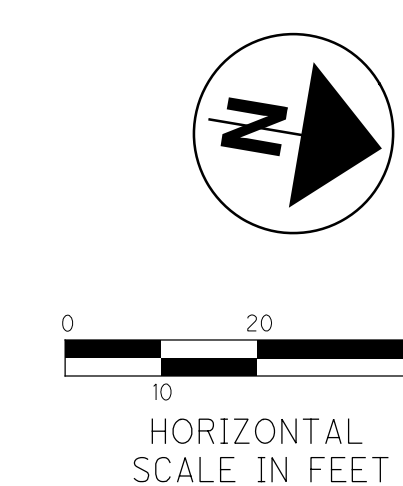
LOT 23/27 GARAGE &
RACE ST. TURNAROUND

**SIGNALS AND
LIGHTING
NOTES**

BB NUMBER	DATE
57334	8/22/2019

C800

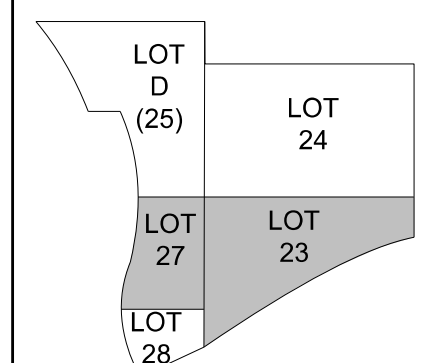
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HAMILTON COUNTY
RIVERFRONT PARKING
AND INFRASTRUCTURE
IMPROVEMENTS

BURGESS & NIPLE
525 Vine Street, Suite 1300
Cincinnati, OH 45202

ISSUES		DESIGN DEVELOPMENT - PRELIM PACKAGE
DATE	DESCRIPTION	
10/1/18	BRIDGE PERMITS SET	
5/10/2019	DESIGN DEVELOPMENT	
8/22/2019	BRIDGE PACKAGE #5	
9/24/2019	ADDENDUM NO. 2	
2/28/2020	BRIDGE PACKAGE #6, ADDENDUM #1	



DRAWN BY: S.N.G.
ENGINEER: S.C.S.
CHECKED BY: S.C.S.

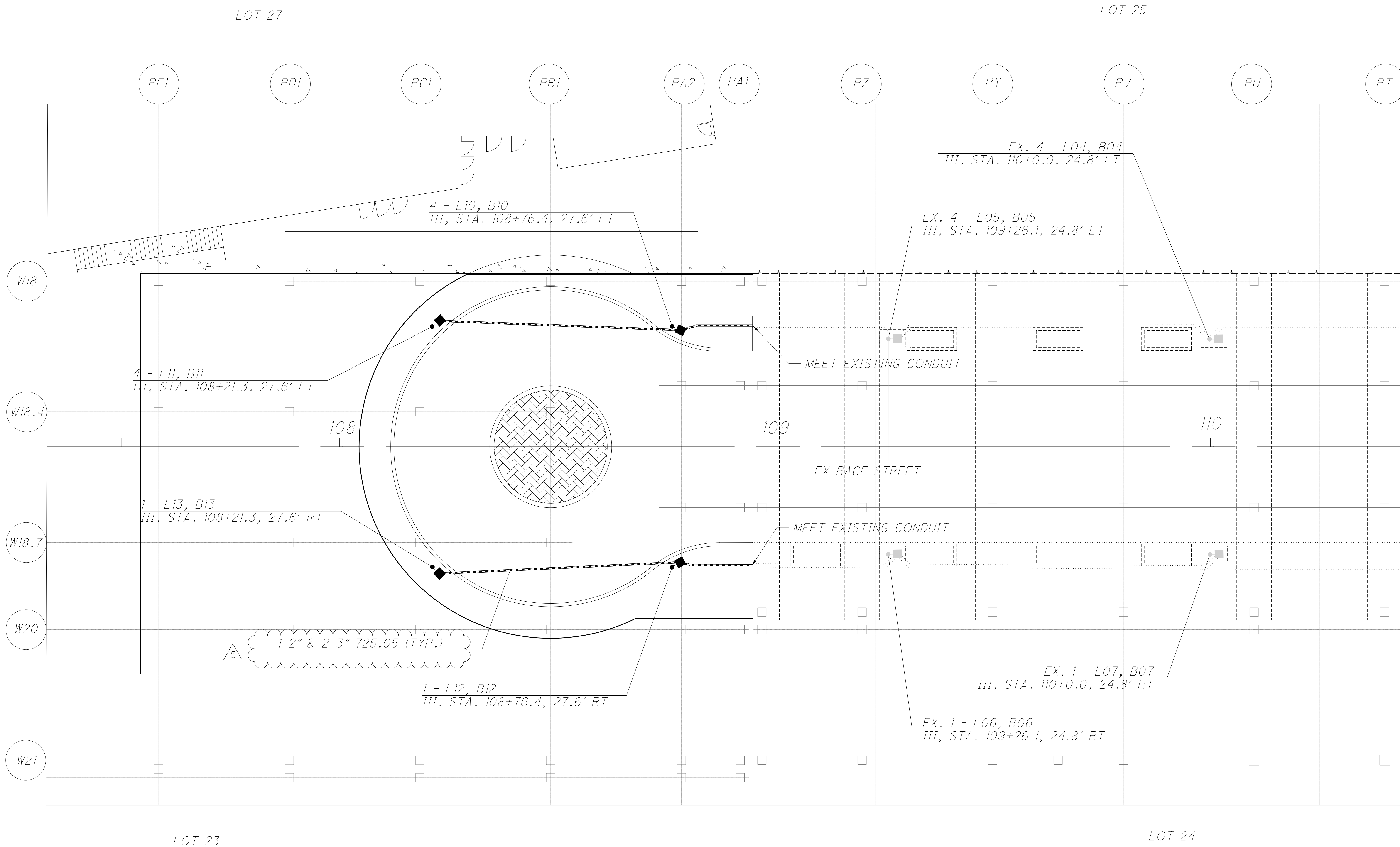
**THE BANKS
PHASE 3B**

LOT 23/27 GARAGE &
RACE ST. TURNAROUND

DRAWING TITLE
**LIGHTING
PLANS**

JOB NUMBER DATE
57334 8/22/2019
DRAWING NUMBER

C801



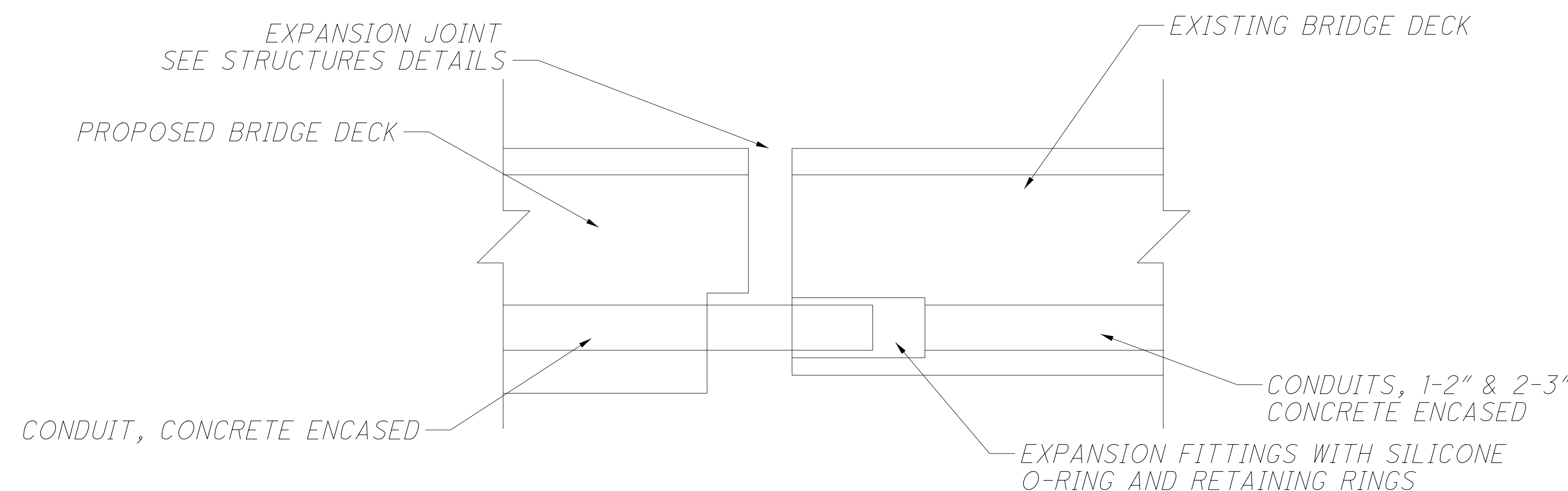
LEGEND

- PROPOSED POST TOP LIGHT POLE
- PROPOSED PULLBOX
- PROPOSED 1-2" & 2-3" RMC

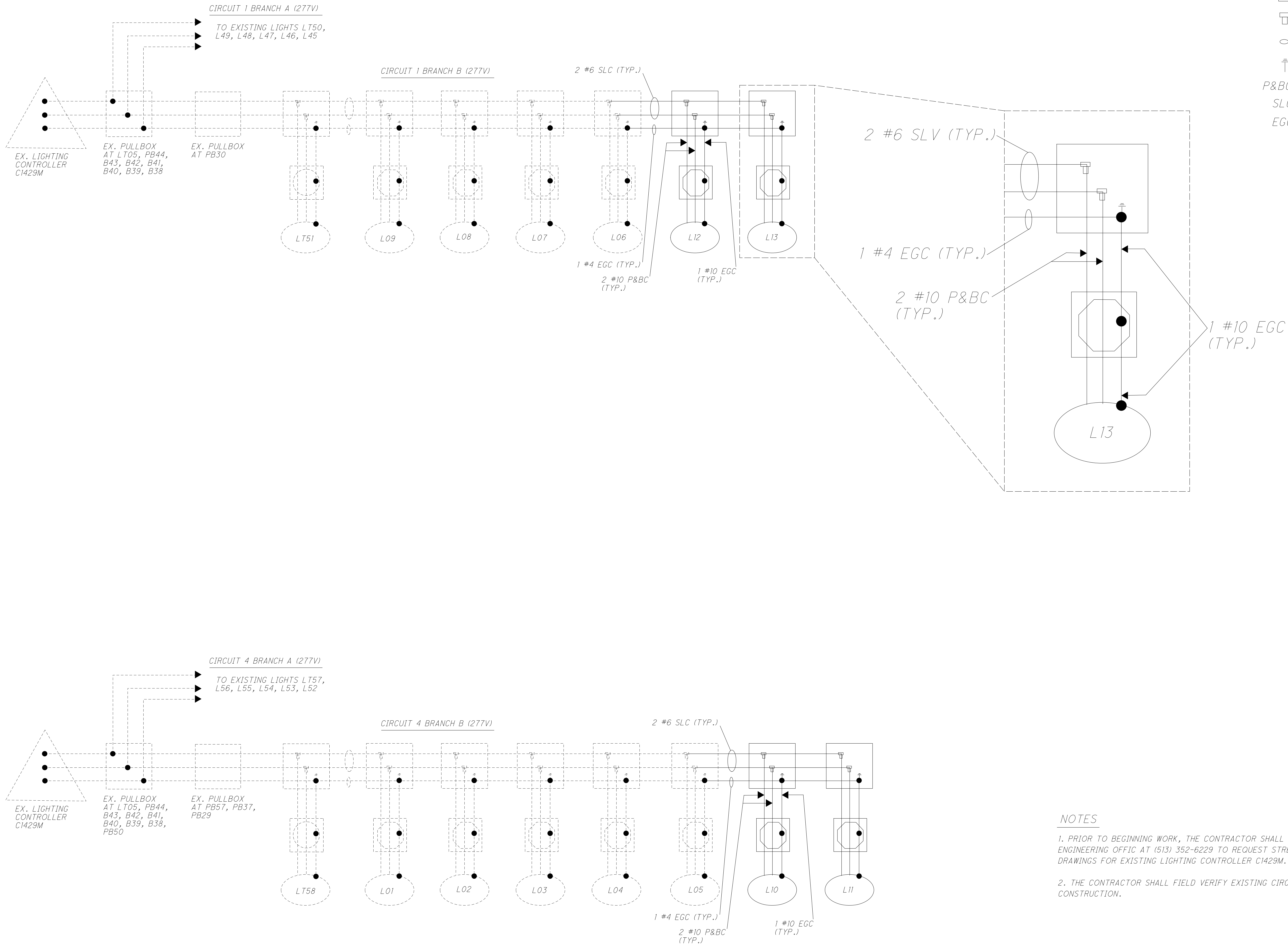
NOTES

1. CONNECT PROPOSED LIGHTS 01-02 TO EXISTING CIRCUIT 4 AT THE EXISTING PULLBOX LOCATED AT EXISTING LT58/C1429M.
2. CONNECT PROPOSED LIGHTS 03-04 TO EXISTING CIRCUIT 1 AT THE EXISTING PULLBOX LOCATED AT EXISTING LT51/C1429M.
3. PRIOR TO BEGINNING WORK THE CONTRACTOR SHALL CONTACT THE CITY'S TRAFFIC ENGINEERING OFFICE AT (513) 352-6229 TO REQUEST STREET LIGHT CIRCUIT AS-BUILT DRAWINGS FOR EXISTING LIGHTING CONTROLLER C1429M.
4. CONTRACTOR SHALL FIELD VERIFY SIZES AND LOCATIONS OF ALL EXISTING CONDUIT.

CONDUIT EXPANSION JOINT DETAIL



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LEGEND

- △ LIGHTING CONTROL CENTER
- PULLBOX
- ⊠ POLE
- ⊞ CONNECTOR KIT, FUSED
- LUMINAIRE, 100W LED
- ⋈ GROUND ROD

P&BC POLE AND BRACKET CABLE
SLC STREET LIGHTING CABLE
EGC EQUIPMENT GROUND CABLE

NOTES

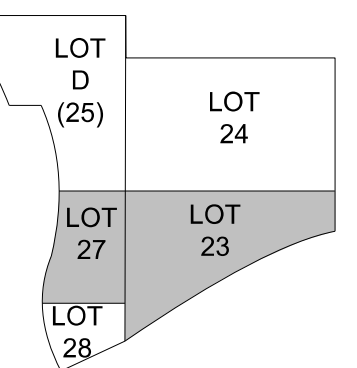
1. PRIOR TO BEGINNING WORK, THE CONTRACTOR SHALL CONTACT THE CITY'S TRAFFIC ENGINEERING OFFIC AT (513) 352-6229 TO REQUEST STREET LIGHT CIRCUIT AS-BUILT DRAWINGS FOR EXISTING LIGHTING CONTROLLER CI429M.
2. THE CONTRACTOR SHALL FIELD VERIFY EXISTING CIRCUIT WIRING/ROUTING PRIOR TO CONSTRUCTION.



HAMILTON COUNTY
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AND INFRASTRUCTURE
IMPROVEMENTS

BURGESS & NIPLE
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Cincinnati, OH 45202

ISSUES		DESIGN DEVELOPMENT - PRELIM PACKAGE									
NO.	DATE	DESCRIPTION	BY	CHKD	APPD	DATE	DESCRIPTION	BY	CHKD	APPD	DATE
1	10/1/18	DESIGN DEVELOPMENT SET				10/1/18	DESIGN DEVELOPMENT SET				10/1/18
2	5/10/2019	BID PACKAGE #5				8/22/2019	BID PACKAGE #5				8/22/2019
3	8/22/2019	BID PACKAGE #5				8/22/2019	BID PACKAGE #5				8/22/2019
4	8/22/2019	BID PACKAGE #5				8/22/2019	BID PACKAGE #5				8/22/2019
5	8/22/2019	BID PACKAGE #5				8/22/2019	BID PACKAGE #5				8/22/2019



DRAWN BY: S.N.G.
ENGINEER: S.C.S.
CHECKED BY: S.C.S.

**THE BANKS
PHASE 3B**

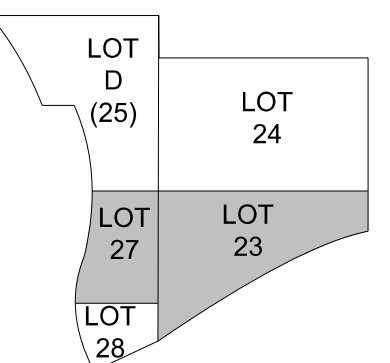
LOT 23/27 GARAGE &
RACE ST. TURNAROUND

DRAWING TITLE
**LIGHTING CIRCUIT
DRAWING**

JOB NUMBER: 57334
DATE: 8/22/2019
DRAWING NUMBER: C802



25 Vine Street, Suite 1300
Cincinnati, OH 45202

[illegible]

HECKED BY: _____ S.C.S.

THE BANKS
PHASE 3B

DRAWING TITLE

57334 8/22/2019

803

XX	TY103A	LOT 24 PODIUM LEVEL SECURITY SYSTEMS PLAN (515)
XX	TY111A	STREET LEVEL CCTV PLAN - WEST
XX	TY501	NETWORK ENCLOSURE DETAILS

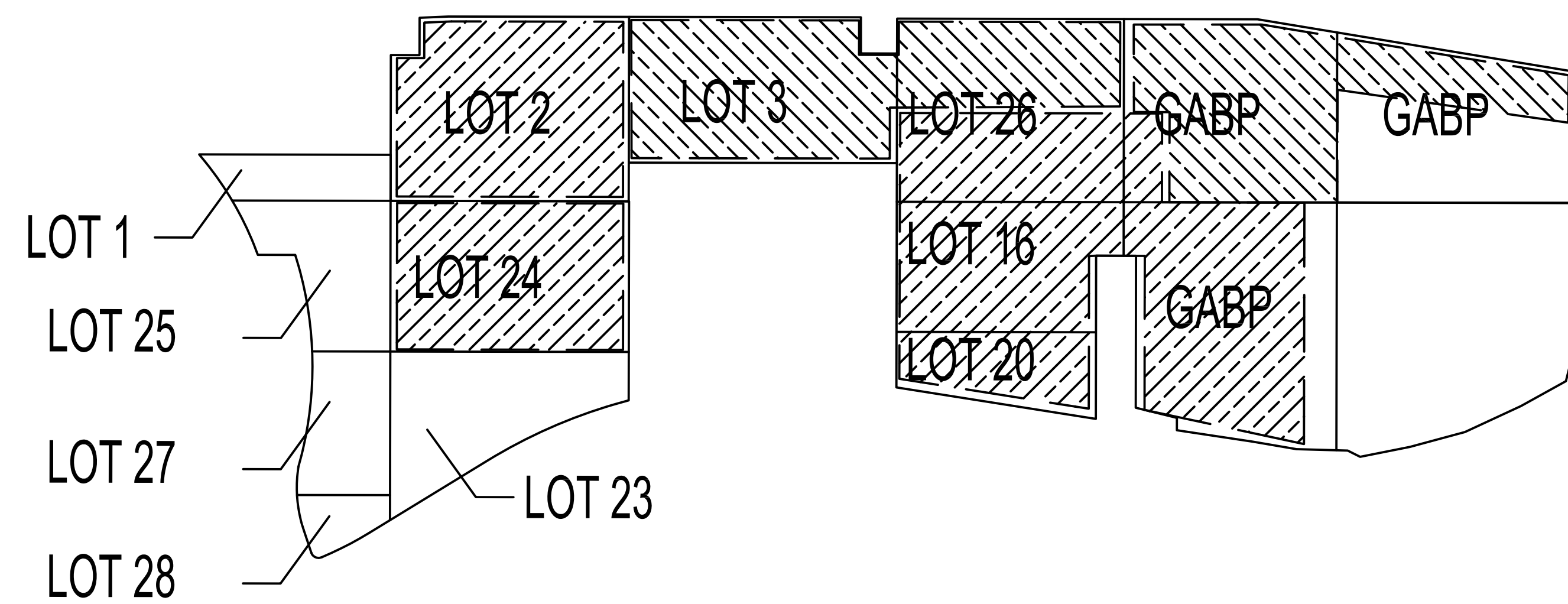
1. NOTE: THIS IS A STANDARD LEGEND SHEET. SOME SYMBOLS OR ABBREVIATIONS MAY APPEAR ON THIS SHEET AND NOT ON THE PLANS.

DEVICE MOUNTING HEIGHTS

SPECIAL OUTLET HEIGHTS ARE SHOWN ON THE ELECTRICAL DRAWINGS OR ON THE TELECOMMUNICATION AND SAFETY SYSTEMS DRAWINGS. IF SPECIAL DEVICE HEIGHTS ARE NOT SHOWN OR REQUIRED, THEN LOCATE DEVICES AS NOTED BELOW. DEVICE HEIGHTS ARE MEASURED FROM THE FINISHED FLOOR TO THE CENTERLINE OF THE DEVICE UNLESS OTHERWISE NOTED.

48" AFF

DF	INTERMEDIATE DISTRIBUTION FRAME
LVT	LOW VOLTAGE TRANSFORMER
MDF	MAIN DISTRIBUTION FRAME
MFR	MANUFACTURER, MANUFACTURING
MIN	MINIMUM
MTD	MOUNTED
NEC	NATIONAL ELECTRIC CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION
N.C.	NORMALLY CLOSED
N.I.C.	NOT IN CONTRACT
NL	NIGHT LIGHT
N.O.	NORMALLY OPEN
NO	NUMBER
RECEPT	RECEPTACLE (POWER)
REV	REVISION
RM	ROOM
SURF	SURFACE
TEL	TELEPHONE
TER	TELECOMMUNICATION EQUIPMENT ROOM
TR	TELECOMMUNICATIONS ROOM
Typ	TYPICAL
U.N.O.	UNLESS NOTED OTHERWISE
UPS	UNINTERRUPTABLE POWER SUPPLY
V	VOLT
WAP	WIRELESS ACCESS POINT
WP	WEATHERPROOF
WFM	TRANSFORMER



1 SITE KEY
NOT TO SCALE

- ## PATHWAY NOTES

1. CONDUIT SHALL BE PROVIDED AND INSTALLED BY THE ELECTRICAL CONTRACTOR PER THE ASSOCIATED DRAWINGS AND TIA/EIA-569-B.
2. PROVIDE DESIGNATION LABELS ON ALL CABLE TERMINATION BLOCKS AND PATCH PANELS IN ACCORDANCE WITH SPECIFICATIONS AND TIA/EIA-606-A.
3. MAXIMUM ADDITIVE BEND RADIUS FOR TELECOMMUNICATION AND SECURITY SYSTEM SIGNAL CONDUCTOR CONDUITS BETWEEN PULL POINTS IS 180 DEGREES. THREE 90 DEGREE BENDS ARE PERMITTED WHERE: 1. THE FIRST BEND IS WITHIN 12-INCHES OF THE PULL POINT, 2. THE TOTAL CONDUIT RUN IS LESS THAN 33'-FEET., 3. THE CONDUIT IS INCREASED BY 1 TRADE SIZE.
4. DO NOT EXCEED 100'-FEET BETWEEN PULL POINTS/JUNCTION BOXES. ADJUST NEW JUNCTION BOX LOCATIONS AS NECESSARY TO COMPLY.
5. REFER TO ELECTRICAL SPECIFICATION SECTION 260533 FOR INSTALLATION INSTRUCTIONS FOR CONDUITS AND PULL BOXES.
6. RACEWAYS AND JUNCTION BOXES SHALL BE FACTORY FINISHED OR FIELD PAINTED IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS TO MATCH THE EXISTING CONDITIONS. CONDUIT MOUNTED TO WHITE SURFACES SHALL MATCH SONNEBORN SEAL COAT BRIGHT WHITE #446-P (LRV=86) CONDUIT MOUNTED TO BARE CONCRETE SHALL MATCH SHERWIN WILLIAMS CINDER BLOCK GRAY (SW1008).
7. MAINTAIN MINIMUM BEND RADIUS OF 10X O.D. FOR TELECOMMUNICATION AND SECURITY SYSTEMS SIGNAL CONDUITS GREATER THAN 2" DIAMETER. MAINTAIN MINIMUM BEND RADIUS OF 6X O.D. FOR CONDUITS LESS THAN 2" DIAMETER.
8. REAM AND BUSH THE ENDS OF ALL CONDUITS.
9. GROUND CONDUIT TO APPROPRIATE TELECOMMUNICATIONS GROUNDING BUSBAR.
10. PENETRATIONS IN FIRE RATED WALLS/FLOORS SHALL BE RESTORED TO THE APPROPRIATE RATING WITH A "RE-ENTRABLE" FIRESTOP IN ACCORDANCE WITH APPLICABLE CODES. FIRE STOP ASSEMBLES SHALL BE UL LISTED.
11. PATCH AND PAINT ALL SURFACES DAMAGED DURING THE INSTALLATION OF TELECOMMUNICATIONS AND ELECTRICAL PATHWAYS. RESTORATION OF ALL SPAWLING OF CONCRETE AND DAMAGED DRYWALL SHALL PROVIDE LIKE NEW CONDITION TO THE SATISFACTION OF THE CONSTRUCTION MANAGER.
12. PROVIDE A MINIMUM OF 2-INCH CLEARANCE FROM ALL OTHER SYSTEMS.
13. THE NETWORK, SECURITY, AND TELECOMMUNICATION DRAWINGS ARE GENERALLY DIAGRAMMATIC. COORDINATE WORK WITH ALL OTHER TRADES PRIOR TO STARTING CONSTRUCTION SO THAT INTERFERENCE IS AVOIDED. SUBMIT COORDINATE SHOP DRAWING FOR APPROVAL PRIOR TO STARTING CONSTRUCTION.

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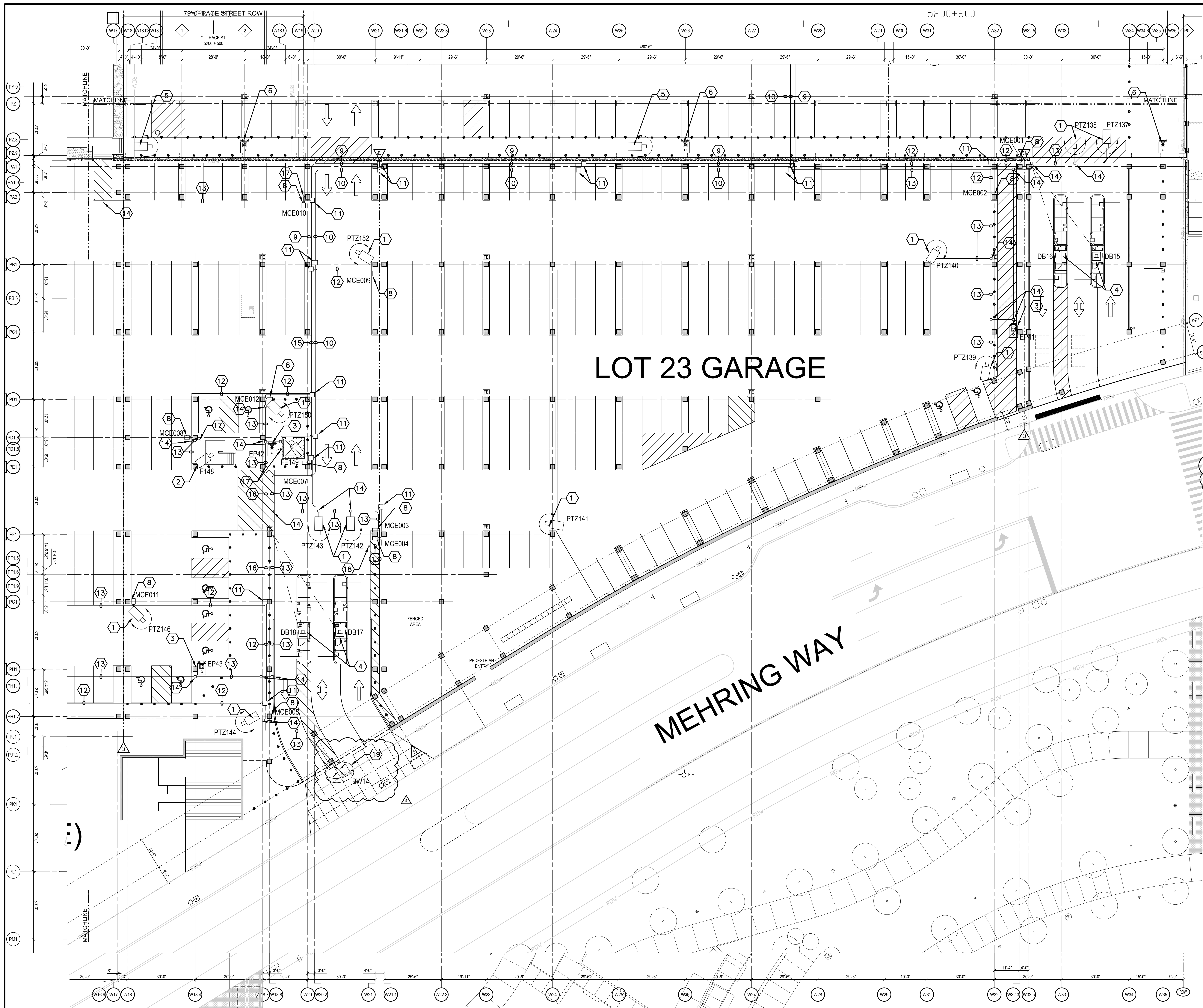
THE BANKS
PHASE 3B

DRAWING TITLE

DRAWING INDEX,
LEGEND, NOTES
AND ABBREVIATIONS

JOB NUMBER	DATE
98090.38	03/06/2020
DRAWING NUMBER	

TY001



- GENERAL NOTES:**
- A. LIGHT LINEWORK AND TEXT INDICATE EXISTING WORK FROM PRIOR CONTRACT. HEAVY LINEWORK AND TEXT INDICATE NEW WORK IN THIS CONTRACT.
 - B. TELECOMMUNICATIONS AND SAFETY SYSTEMS INFRASTRUCTURE SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF ANSITIA-609.
 - C. TELECOMMUNICATIONS AND SAFETY SYSTEMS INFRASTRUCTURE SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF ANSITIA-606.
 - D. PROVIDE DEVICE IDENTIFICATION ON ALL DEVICES. LABELS SHALL BE MACHINE GENERATED. HAND WRITTEN LABELS WILL NOT BE ACCEPTED.
 - E. TELECOMMUNICATIONS INFRASTRUCTURE SHALL BE GROUNDED AND BONDED IN ACCORDANCE WITH ANSITIA-607 AND NFPA 70.
 - F. THE NETWORK, SECURITY, AND TELECOMMUNICATION DRAWINGS ARE GENERALLY DIAGRAMMATIC. COORDINATE WORK WITH ALL OTHER TRADES PRIOR TO STARTING CONSTRUCTION OF THE PUBLIC SAFETY SYSTEMS SO THAT INTERFERENCE IS AVOIDED. SUBMIT COORDINATED SHOP DRAWING FOR APPROVAL PRIOR TO STARTING CONSTRUCTION OF THE PUBLIC SAFETY SYSTEMS.

- DRAWING NOTES:**
- 1. NEW PTZ SECURITY CAMERA.
 - 2. NEW FIXED CAMERA.
 - 3. NEW EMERGENCY TELEPHONE.
 - 4. NEW DURESS BUTTON LOCATION.
 - 5. EXISTING SECURITY SYSTEMS CAMERA.
 - 6. EXISTING EMERGENCY TELEPHONE.
 - 7. EMERGENCY TELEPHONE EP07 SHALL BE RAISED SO THAT THE PUSH BUTTON IS AT 46 INCHES ABOVE THE FINISHED FLOOR OF THE NEW PLATFORM.
 - 8. NEW MEDIA CONVERTER CABINET WITH TWO (2) POE INJECTORS.
 - 9. PROVIDE AND INSTALL NEW 1 1/2-INCH CONDUIT RACEWAY FOR NEW FIBER OPTIC CABLE.
 - 10. PROVIDE AND INSTALL NEW 1-INCH CONDUIT RACEWAY FOR SIGNAL AND TELEPHONE CABLE.
 - 11. PROVIDE AND INSTALL NEW JUNCTION BOX, 12-INCHES WIDE BY 12-INCHES LONG BY 4-INCHES DEEP.
 - 12. PROVIDE AND INSTALL NEW 3/4-INCH CONDUIT RACEWAY FOR NEW FIBER OPTIC CABLE.
 - 13. PROVIDE AND INSTALL NEW 3/4-INCH CONDUIT RACEWAY FOR SIGNAL AND TELEPHONE CABLE.
 - 14. PROVIDE AND INSTALL NEW JUNCTION BOX, 4-INCHES WIDE BY 4-INCHES LONG BY 2-INCHES DEEP.
 - 15. PROVIDE AND INSTALL NEW 1 1/4-INCH CONDUIT RACEWAY FOR NEW FIBER OPTIC CABLE.
 - 16. PROVIDE AND INSTALL NEW 1-INCH CONDUIT RACEWAY FOR NEW FIBER OPTIC CABLE.
 - 17. NEW 3/4-INCH CONDUIT RACEWAY FOR SIGNAL AND TELEPHONE CABLE UP TO DEVICE ON P1 LEVEL (REFER TO SHEET TY102B).
 - 18. NEW 3/4-INCH CONDUIT RACEWAY FOR SIGNAL AND TELEPHONE CABLE UP TO PULL BOX ON P1 LEVEL (REFER TO SHEET E201) FOR POLE MOUNTED CAMERAS.
 - 19. PROVIDE AND INSTALL ONE (1) CAMBIUM NETWORKS FORCE 180 MODULE. ALIGN THE FORCE 180 MODULE TO THE EXISTING WIRELESS NODE BW02 AT THE INTERSECTION OF ELM STREET AND MEHRING WAY (REFER TO SHEET TY111A).



HAMILTON COUNTY
RIVERFRONT PARKING
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IMPROVEMENTS

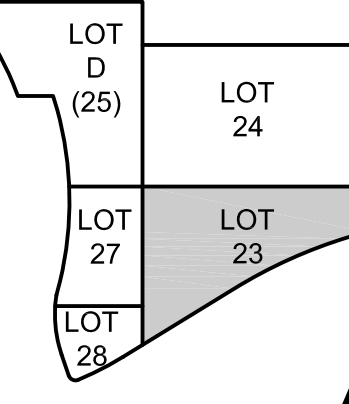


THP Limited, Inc.
Consulting Engineers
100 East Eighth Street
Cincinnati, Ohio 45202
Phone: (513) 241-3222
Fax: (513) 241-2981



BRIGHT
TECHNOLOGIES
INC.
2088 Legion Road
Joplin, Missouri 64501
PH 817-623-0044

SHEET	DATE	DESCRIPTION
1	12/20/2018	BID PACKAGE #6 - SECURITY
2	01/31/2020	BID PACKAGE #6 - SECURITY SET
3	02/21/2020	BID PACKAGE #6 - SECURITY SET
4	03/06/2020	BID PACKAGE #6 - ADDENDUM #1



LOT 25
LOT 24
LOT 27
LOT 23
LOT 26

DRAWN BY: J.A.J.

ENGINEER: J.A.J.

CHECKED BY: J.A.J.

THE BANKS
PHASE 3B

LOT 23/27/28 GARAGE &
RACE ST. TURNAROUND

DRAWING TITLE
LOWER LEVEL (489)
SECURITY SYSTEMS
PLAN

JOB NUMBER
98090.38

DATE
03/06/2020

DRAWING NUMBER
TY101B

LOT 23 LOWER LEVEL SECURITY SYSTEMS PLAN (489)

1/8" = 1'-0"



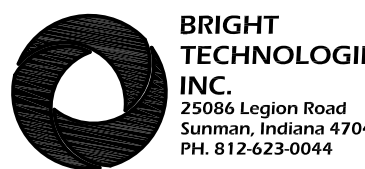


DRAWING NOTES:

1. AT EXISTING WIRELESS NODE BW02 REMOVE EXISTING PANEL ANTENNAE (TOTAL OF 2) AND INSTALL ONE (1) CAMBIUM NETWORKS FORCE 180 MODULE TO ONE (1) EXISTING ANTENNA MOUNTING POLES ON THE WIRELESS NODE ENCLOSURE.

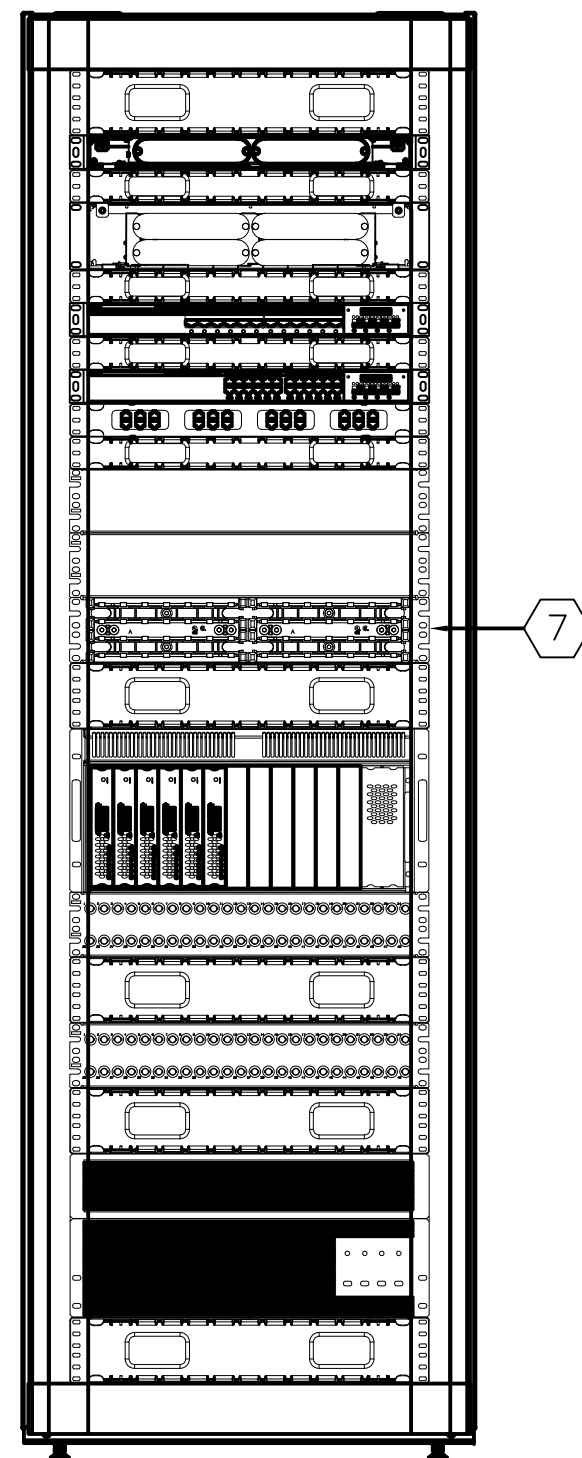
PLUG ONE (1) CATEGORY 6 ETHERNET PATCH CABLE INTO THE FORCE 180 MODULE ETHERNET PORT. PLUG THE OPPOSITE END OF THE ETHERNET PATCH CABLE IN TO PORT 2 OR PORT 3 (PoE PORTS) OF THE EXISTING FIRETIDE 7020 WIRELESS NODE (BW02).

ALIGN THE FORCE 180 MODULE TO THE NEW WIRELESS NODE BW14 AT THE LOT 23 ENTRANCE (REFER TO SHEET Y101B).
2. RETURN EXISTING ANTENNAE TO THE CITY OF CINCINNATI POLICE IT SECTION.
2. APPROXIMATE LOCATION OF BW14.

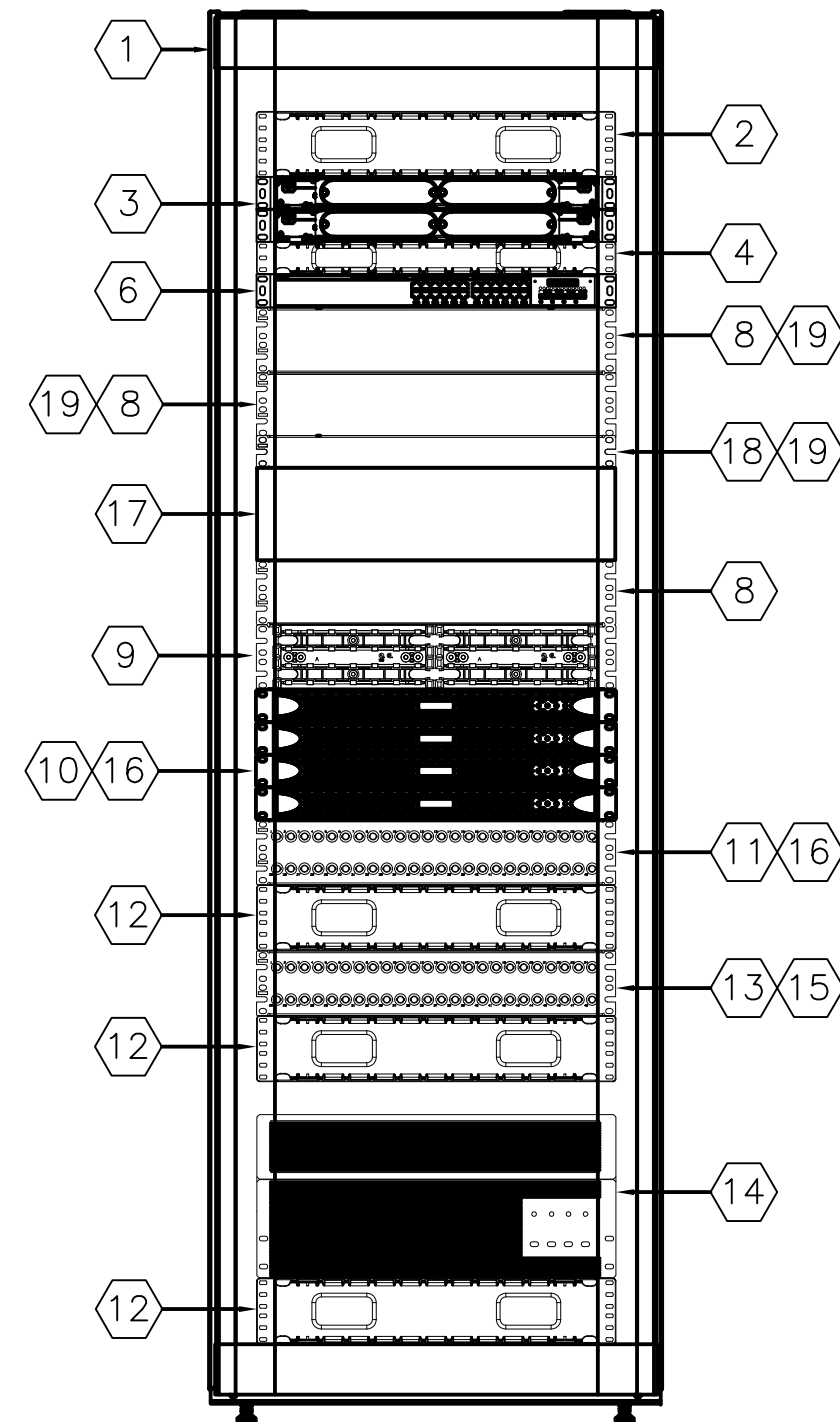


LOT 23/27/28 GARAGE
RACE ST. TURNAROUND

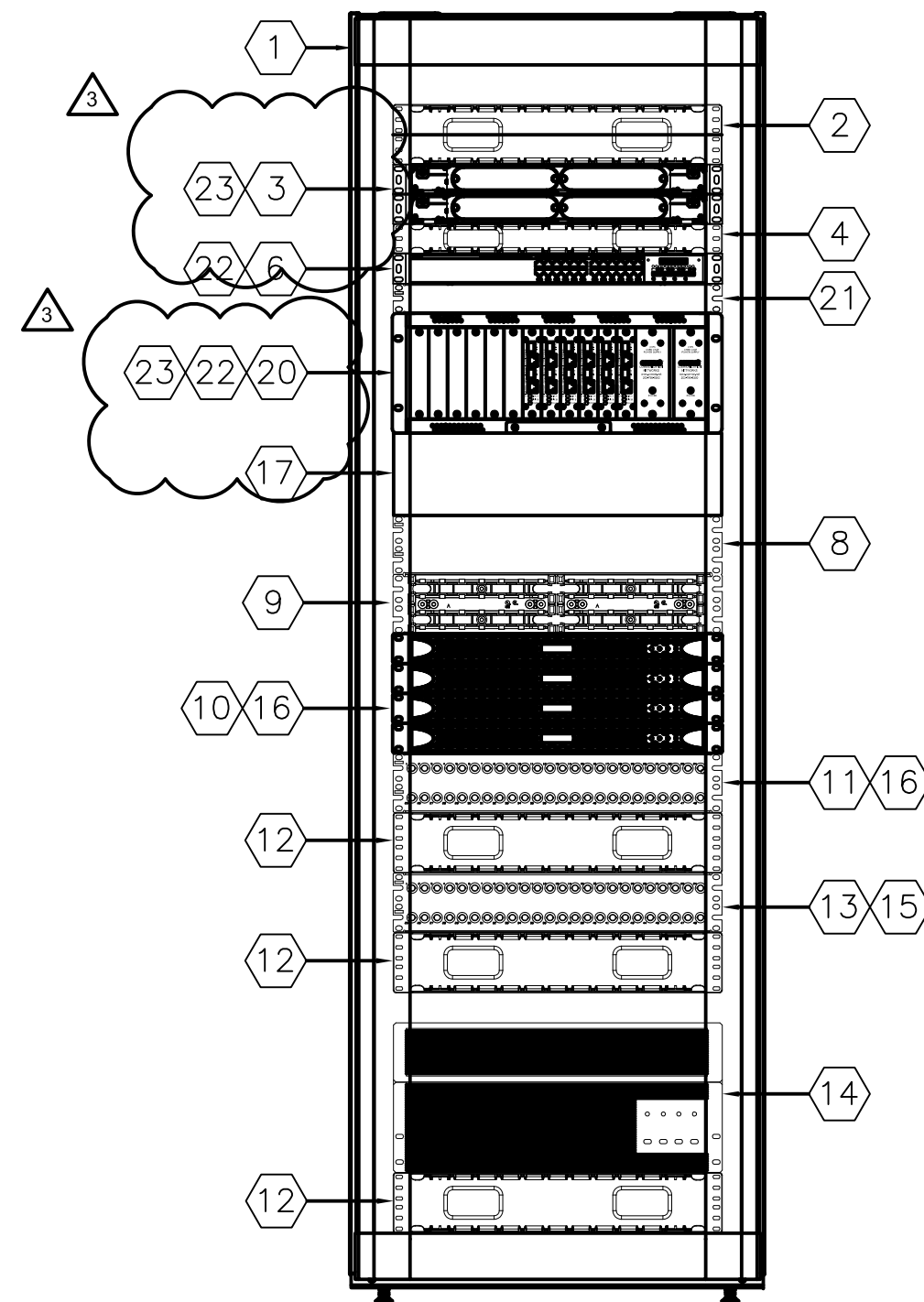
TY111A



1 EXISTING CPDWC DISTRIBUTION ENCLOSURE
NOT TO SCALE



2 EXISTING AGREGATION POINT "D" ENCLOSURE
NOT TO SCALE



2 REVISED AGREGATION POINT "D" ENCLOSURE
NOT TO SCALE

GENERAL NOTES:

- TELECOMMUNICATIONS AND SAFETY SYSTEMS INFRASTRUCTURE SHALL COMPLY WITH THE REQUIREMENTS OF ANSI/TIA-569.
- TELECOMMUNICATIONS AND SAFETY SYSTEMS INFRASTRUCTURE SHALL BE LABELED IN ACCORDANCE WITH THE REQUIREMENTS OF ANSI/TIA-606-A.
- PROVIDE DEVICE IDENTIFICATION ON ALL DEVICES. LABELS SHALL BE MACHINE GENERATED. HAND WRITTEN LABELS WILL NOT BE ACCEPTED.
- TELECOMMUNICATIONS INFRASTRUCTURE SHALL BE GROUNDED AND BONDED IN ACCORDANCE WITH J-STD-607-A AND NFPA 70.

CODED NOTES:

- EXISTING ORTRONICS MIGHTY-MO EQUIPMENT CABINET 32-INCHES WIDE BY 34-INCHES DEEP BY 80.25-INCHES TALL (42 RACK UNITS) FITTED WITH:
 - PLEXIGLASS FRONT DOOR (MME4232DFPP-B)
 - SPLIT MESH REAR DOOR (MMC4232DSFM-B)
 - SWING, COMBINATION/KEY LOCK (MM-CDHSCK-0333) FRONT AND REAR
 - SOLID, LOCKING SIDE PANELS (MMCC4234SPSL-B)
 - TOP PANEL WITH DUAL 235 CFM FANS (MMC3234 TPH1-B)
 - 66.5-INCH VERTICAL POWER STRIP, 120V, 20A, WITH 24 NEMA-L5-20P (MMCPB12024-01) REQUIRES POWER STRIP VERTICAL MOUNTING BAR (MMC42VPMLS).
 - VERTICAL MANAGERS (MMC4202VMFL).
- ~~TWO (2) RACK UNIT WIRE MANAGEMENT PANEL, FRONT AND REAR.~~
- EXISTING FIBER OPTIC PATCH PANEL, 2 RACK UNIT. PROVIDE AND INSTALL TWO (2) NEW 12 DUPLEX LC CONNECTOR PANELS FOR NEW FIBER OPTIC CABLING.
- ~~ONE (1) RACK UNIT WIRE MANAGEMENT PANEL, FRONT ONLY.~~
- FIBER OPTIC PATCH PANEL, 2 RACK UNIT,
- EXISTING NETWORK SWITCH; CISCO 2960X-24TS-L, 24 port 10/100/1000 WITH 4 SFP UPLINK PORTS. PROVIDE AND INSTALL ONE NEW 1000BASE-LX/LH SFP TRANSCEIVER.
- EXISTING RACK MOUNTED 110 PANELS (TWO 110 PAIR) FOR EMERGENCY TELEPHONES DMARC. CROSS CONNECT NEW EMERGENCY TELEPHONE POTS LINES TO PROVIDE COMPLETE TELECOMMUNICATIONS CIRCUIT.
- BLANK FILLER PANEL, 2 RACK UNITS.
- RACK MOUNTED 110 PANELS (TWO 110 PAIR) FOR EMERGENCY TELEPHONES CROSS CONNECTS. CROSS CONNECT NEW EMERGENCY TELEPHONE POTS LINES TO PROVIDE COMPLETE TELECOMMUNICATIONS CIRCUIT.
- PELCO RK5200PS-SU RACK MOUNT CHASSIS (5 RACK UNITS) FOR NET 5400T VIDEO ENCODERS. CHASSIS SHALL HAVE DUAL POWER SUPPLIES AND SIX ENCODERS INSTALLED. REMAINING ENCODER SLOTS SHALL BE FITTED WITH BLANKING PLATES.
- FORTY-EIGHT (48) PORT BNC COUPLER PANEL. REAR OF COUPLER PANEL SHALL BE CABLED TO NET 5400T VIDEO ENCODERS BNC VIDEO INPUT PORTS WITH RG6/U PATCH CABLES.
- FORTY-EIGHT (48) PORT BNC PATCH PANEL FOR RG6/U VIDEO CABLES FROM CCTV CAMERAS.
- EXISTING APC SMART-UPS RT 3000VA RACK 208V INPUT 102V/208V. OUTPUT (5 RACK UNITS).
- EXISTING RG-6 COAX FROM PANEL #13 TO PANEL #11.
- EXISTING CATEGORY 6 PATCH CABLES FROM ENCODER TO NETWORK SWITCH.
- EXISTING RACK MOUNTED ANNUNCIATOR PANEL (MODEL 561R) WITH FOUR (4) MULTI-ZONE ANNUNCIATOR MODULES AND ONE (1) ANNUNCIATOR COMMUNICATION MODULE.
- BLANK FILLER PANEL, 1 RACK UNITS.
- REMOVE TWO (2) 2 RACK UNIT FILLER PANELS AND ONE (1) 1 RACK UNIT FILLER PANEL.
- PROVIDE AND INSTALL ONE (1) NEW COMNET COMMUNICATIONS NETWORKS C2-US RACK MOUNT CARD CAGE FITTED WITH SIX (6) COMNET CNGE2MC MEDIA CONVERTERS WITH CNGE2MC SFP-16 MODULES. ALL UNUSED CHASSIS POSITIONS SHALL BE FITTED WITH C1-BP FILLER PANELS.
- RE-INSTALL EXISTING 1 RACK UNIT BLANK FILLER PANEL.
- PROVIDE AND INSTALL CATEGORY 6 PATCH CABLES FROM MEDIA CONVERTER TO NETWORK SWITCH.
- PROVIDE AND INSTALL MULTIMODE FIBER OPTIC (OM3) PATCH CABLES FROM MEDIA CONVERTER TO FIBER OPTIC PATCH PANEL.

ABBREVIATIONS:

- | | | |
|-------|---|---|
| APA | = | AGGREGATION POINT "A" |
| APB | = | AGGREGATION POINT "B" |
| APC | = | AGGREGATION POINT "C" |
| APD | = | AGGREGATION POINT "D" |
| BLK | = | BLANK |
| CPDWC | = | CINCINNATI POLICE DEPARTMENT WELCOME CENTER |
| ENC | = | ENCODER MODULE |
| PS | = | POWER SUPPLY |



HAMILTON COUNTY
RIVERFRONT PARKING
AND INFRASTRUCTURE
IMPROVEMENTS



REVISIONS	DATE	DESCRIPTION	BY	CHKD
1	03/06/2020	ISSUED FOR BIDDING	J.A.J.	
2	03/06/2020	REVISED TO ADD CABLES	J.A.J.	
3	03/06/2020	REVISED TO ADD CABLES	J.A.J.	

REVISIONS	DATE	DESCRIPTION	BY	CHKD
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DRAWN BY:	J.A.J.
ENGINEER:	J.A.J.
CHECKED BY:	J.A.J.

THE BANKS
PHASE 3B

LOT 23/27/28 GARAGE &
RACE ST. TURNAROUND

DRAWING TITLE
NETWORK
ENCLOSURE DETAILS

JOB NUMBER	DATE
98090.38	03/06/2020
DRAWING NUMBER	

TY501

SECTION 282300 - VIDEO SURVEILLANCE EQUIPMENT

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes video surveillance system equipment and accessories consisting of cameras, video transmission wiring, and coordination with control stations with its associated equipment.
- B. The requirements described herein shall be for the provision of all labor, materials, and expenses required for a complete and operational system. The Owner and End-user will collaborate, coordinate, and cooperate with the Integrator, but all installation resources are the responsibility of the Integrator.
- C. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 RELATED SECTIONS

- A. Section 260533 "Raceways and Boxes for Electrical Systems" for conduits, wireways, surface raceways, boxes, enclosures, cabinets, handholes, and faceplate adapters serving electrical systems.
- B. Section 271500 "Communications Horizontal Cabling" for voice and data cabling associated with system field devices.
- C. Section 280513 "Conductors and Cables for Electronic Safety and Security" for voice and data cabling associated with security devices.
- D. Section 280528 "Pathways and Electronic Safety and Security" for conduits, surface pathways, innerduct, boxes, and faceplate adapters serving electronic safety and security.
- E. Section 282400 "Emergency Telephone Equipment" for emergency telephone equipment consisting of emergency telephone modules, surface/wall mount enclosures, and accessories to be incorporated the emergency telephone systems.

1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product indicated. Include dimensions and data on features, performance, electrical characteristics, ratings, and finishes.

- B. Shop Drawings: For video surveillance. Include plans, elevations, sections, details, and attachments to other work.
 - a. Detail equipment assemblies and indicate dimensions, weights, loads, required clearances, method of field assembly, components, and location and size of each field connection.
 - b. Dimensioned plan and elevations of equipment racks, control panels, and consoles. Show access and workspace requirements.
- C. Sequence of Operation: Narrative description of the view of preset positions, description of alarms, and description of unit output responses to an alarm for each alarmed device and CCTV camera.
- D. No work will proceed without approval of the action submittals.

1.4 INFORMATIONAL SUBMITTALS

- A. Field quality-control reports.
- B. Equipment List: Include every piece of equipment by model number, manufacturer, serial number, location, and date of original installation. Add pretesting record of each piece of equipment, listing name of person testing, date of test, set points of adjustments, name and
- C. Warranty: Sample of special warranty.

1.5 CLOSEOUT SUBMITTALS

- A. Operation and Maintenance Data: For cameras and equipment to include in emergency, operation, and maintenance manuals. In addition include the following:
 - 1) Lists of spare parts and replacement components recommended to be stored at the site for ready access.

1.6 QUALITY ASSURANCE

- A. The video surveillance system Integrator shall have been continuously engaged in the integration of the systems and components referenced in this specification for a minimum of 5 years. Submit documentation of required integration experience. Failure to provide adequate documentation for video surveillance systems integration of similar size and complexity will be considered as a disqualifying factor for the Security Integrator. Installation experience may not be substituted for integration experience.

- B. The video surveillance system Integrator shall have been continuously certified camera equipment installer for the proposed manufacturer for a minimum of 5 years. The video surveillance system Integrator shall be responsible for the total installation of all video surveillance system camera equipment and duly qualified to install, configure and maintain each video surveillance system component without support from any party than equipment manufacturer.
- C. The integrator's Project Manager shall have been continuously engaged in the management of IP and analog surveillance systems integration projects for a minimum of 5 years. Submit documentation of required Project Management experience for systems of the same type, size, and design as specified herein. Include the names, locations, and points of contact of at least five installations of the same type and design as specified herein. Indicate the type of each system and certify that each system has performed satisfactorily in the manner intended for a period of not less than 24 months. The Project Manager shall be authorized to act on behalf of the video surveillance system Integrator and have the authority to execute reasonable changes required during the integration process without additional approvals. The Project Manager shall attend, in person or via teleconference, all construction, coordination meeting, and periodic status meeting.
- D. Video Management Software: The video surveillance equipment described herein must be integrated into the Owner's existing Video Management Software (VMS) by the Owner or the Owner's Integrator of Record. No access will be granted to the Owner's Video Management Software to any party other than the Owner or the Owner's Integrator of Record. The video surveillance system Integrator for this contract will be required to coordinate the integration of security devices with the Owners IT staff to facilitate the integration of devices in to the Video Management System.
- E. Schedule: Submit an installation schedule for all installation and integration activities for approval. Schedule shall depict each activity, duration, proposed start and end dates, and the critical path for the project completion. The preferred format for the installations schedule is a Gantt chart.
- F. Test Procedures: Test procedures shall explain, in detail, step-by-step actions and expected results demonstrating compliance with the requirements of the specification. Test reports shall be used to document results of ALL tests including field verification testing, performance testing, endurance testing, and acceptance testing. Reports shall be delivered to the Construction Manager within 3 days after completion of each test. Do not proceed to the next stage of testing without written approval of the owner or owner's representative.
- G. No work will proceed without approval of the quality assurance submittals. Delays in providing the quality assurance submittals will not relieve the Integrator of the responsibility to maintain the project progress as agreed and documented, by the Integrator, in the project schedule.

- H. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.
- I. Comply with NECA 1.
- J. Comply with NFPA 70.

1.7 PROJECT CONDITIONS

- A. Environmental Conditions: Capable of withstanding the following environmental conditions without mechanical or electrical damage or degradation of operating capability:
 - 1. Control Station: Existing Video Management Software and video monitoring stations.
 - 2. Interior, Controlled Environment: System components, except central-station control unit, installed in interior environments shall be rated for continuous operation in ambient temperatures of 32 to 122 deg F (0 to 50 deg C) dry bulb and 20 to 90 percent relative humidity, noncondensing. Use NEMA 250, Type 1 enclosures.
 - 3. Interior, Uncontrolled Environment: System components installed in non-temperature-controlled interior environments shall be rated for continuous operation in ambient temperatures of minus 30 to 122 deg F (minus 18 to plus 50 deg C)] dry bulb and 20 to 90 percent relative humidity, noncondensing. Use NEMA 250, Type 3R enclosures.
 - 4. Exterior Environment: System components installed in locations exposed to weather shall be rated for continuous operation in ambient temperatures of minus 30 to plus 122 deg F (minus 34 to plus 50 deg C) dry bulb and 20 to 90 percent relative humidity, condensing. Rate for continuous operation when exposed to rain as specified in NEMA 250, winds up to 85 mph (137 km/h). Use NEMA 250, Type 3R enclosures.
 - 5. Hazardous Environment: System components located in areas where fire or explosion hazards may exist because of flammable gases or vapors, flammable liquids, combustible dust, or ignitable fibers shall be rated, listed, and installed according to NFPA 70.
 - 6. Security Environment: Camera housing for use in high-risk areas where surveillance equipment may be subject to physical violence.

1.8 WARRANTY

- A. Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of cameras, equipment related to camera operation, and control-station equipment that fail in materials or workmanship within specified warranty period.
 - a. Warranty Period: One years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 SYSTEM REQUIREMENTS

- A. Video-signal format shall comply with NTSC standard, composite interlaced video. IP video shall be Ethernet as indicated on the plans.
- B. Surge Protection: Protect components from voltage surges originating external to equipment housing and entering through communication, signal, or control. Include surge protection for external wiring of each conductor's entry connection to components.
- C. Color Cameras:
 - a. Quality Assurance:
 - 1) Prior to installation, submit data of the installers' experience and certified qualifications as describe in paragraph 1.8.
 - 2) Obtain written approval of installer from the Engineer through the Construction Manager.
 - 3) Upon approval of installer's qualifications schedule a pre-planning meeting with the Owner, Construction Manager, and end-users.
 - 4) Approved installers shall be present to perform or supervise the installation activities.
 - 5) Submit test procedures and cut-over plan for the approval of the Owner.

2.2 STANDARD PAN/TILT/ZOOM CAMERAS

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
- B. Basis-of-Design Product: Subject to compliance with requirements, provide Axis Communications M5525-E PTZ Network Camera or comparable product by one of the following:
 - a. Axis Communications.
 - b. Bosch Security Systems, Inc.
 - c. Honeywell International Inc.; Honeywell Video Systems.
 - d. Panasonic Corporation of North America; Panasonic Security Systems.
 - e. Designer Approved Equivalent.

2.3 STANDARD FIXED CAMERAS

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

- B. Basis-of-Design Product: Subject to compliance with requirements, provide Axis Communications P3225-VE Mk II Network Camera or comparable product by one of the following:
 - a. Axis Communications.
 - b. Bosch Security Systems, Inc.
 - c. Honeywell International Inc.; Honeywell Video Systems.
 - d. Panasonic Corporation of North America; Panasonic Security Systems.
 - e. Designer Approved Equivalent.

2.4 FIXED ELEVATOR CAMERA

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
- B. Basis-of-Design Product: Subject to compliance with requirements, provide Axis Communications P9106 Network Camera or comparable product by one of the following:
 - a. Axis Communications.
 - b. Bosch Security Systems, Inc.
 - c. Honeywell International Inc.; Honeywell Video Systems.
 - d. Panasonic Corporation of North America; Panasonic Security Systems.
 - e. Designer Approved Equivalent.

2.5 MEDIA CONVERTERS CABINET AND POE INJECTORS

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
- B. Basis-of-Design Product: Subject to compliance with requirements, provide Axis Communications T98A15-VE Media Converter Cabinet A fitted with two (2) Axis T8120 Midspan PoE Injector and Axis Cabinet Lock A or comparable product by one of the following:
 - a. Axis Communications.
 - b. Bosch Security Systems, Inc.
 - c. Honeywell International Inc.; Honeywell Video Systems.
 - d. Panasonic Corporation of North America; Panasonic Security Systems.
 - e. Designer Approved Equivalent.
- C. Media converters shall be fitted with Axis Communications T8612 SFP Module LC.SX as required to provide a complete transmission link.

2.6 CAMERA-SUPPORTING EQUIPMENT

- A. Manufacturers: Subject to compliance with requirements, provide products suitable for the proposed PTZ and Fixed Cameras by one of the following:
 - a. Pelco
 - b. Axis Communications.
 - c. Bosch Security Systems, Inc.
 - d. Honeywell International Inc.; Honeywell Video Systems.
 - e. Panasonic Corporation of North America; Panasonic Security Systems.
 - f. Designer Approved Equivalent.
- B. Minimum Load Rating: Rated for load in excess of the total weight supported times a minimum safety factor of two.
- C. Mounting Brackets for PTZ Cameras: Type matched to items supported and corner or wall mounting to match each camera's conditions.
- D. Mounting Brackets for Fixed Cameras: Type matched to items supported and mounting conditions.

2.7 RACK MOUNTED MEDIA CONVERTER

- A. Manufacturers: Subject to compliance with requirements, provide Comnet Communications Networks media converters.
- B. Basis-of-Design Product: Subject to compliance with requirements, provide Comnet Communications Networks C2-US Rack Mount Card Cage Fitted with Comnet CNGE22MC media converters or comparable product by one of the following:
 - 1. Designer Approved Equivalent.
- C. Media converters shall be fitted with Comnet CNGE2MC SFP-16 Module as required to provide a complete transmission link.
- D. Provide blank filler (C1-BP) panels for all unused positions in the C2-US chassis.

2.8 CONTROL STATIONS

- A. Manufacturers: Existing.

2.9 GENETEC DEVICE LICENSES

- 2.10 The Security Integrator shall obtain, under this contract, Genetec Video Management System device licenses for each new camera provided under this contract. These licenses are required to integrate each new camera in to the existing VMS. Device

licenses shall be turned over to the City of Cincinnati Police IT Section through the Construction Manager and Owner.

2.11 WIRELESS ETHERNET BRIDGE

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
- B. Basis-of-Design Product: Subject to compliance with requirements, provide Cambium ePMP Force 180 (Bridge-in-a-Box) or comparable product by one of the following:
 - a. Designer Approved Equivalent.

2.12 SIGNAL TRANSMISSION COMPONENTS

- A. Digital:
 - 1. Cable: OM3 multimode fiber optic and Category 6 UTP cable. Comply with requirements in Section 280513 "Conductors and Cables for Electronic Safety and Security."
 - 2. UTP Cable Connectors: 8 position/8 conductor Category 6 jack. Comply with requirements in Section 280513 "Conductors and Cables for Electronic Safety and Security."
 - 3. Fiber Optic Cable Connectors: LC Type fiber optic connector. Comply with requirements in Section 280513 "Conductors and Cables for Electronic Safety and Security."

PART 3 - EXECUTION

3.1 COORDINATION

- A. Coordinate layout and installation of communications equipment with Owner's telecommunications staff, networking staff, and service suppliers.
 - 1. It is the Integrator's responsibility to schedule and document the video surveillance system equipment coordination meeting prior to the installation of new equipment or devices.
 - 2. Video surveillance system equipment cut-over/commissioning shall be coordinated with the Owner through the Construction Manager. No cut-over/commissioning work will be permitted without advanced coordination. Request coordination meetings a minimum of 10 days in advance.
 - 3. Record agreements reached in meetings and distribute them to other participants.

4. Adjust arrangements and locations of equipment to optimize the equipments effectiveness.
 5. Adjust arrangements and locations of equipment to coordinate wwith the existing conditions and existing equipment.
- B. Coordinate location of power raceways and receptacles with locations of video surveillance system equipment requiring electrical power to operate.

3.2 EXAMINATION

- A. Make arrangement with the Owner through the Construction Manager to examine the existing conditions and system equipment.
- B. Examine pathway elements intended for cables. Check raceways and other elements for compliance with space allocations, installation tolerance, hazards to camera installation, and other conditions affecting installation.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.3 WIRING

- A. Wiring Method: Install cables in raceways unless otherwise indicated.
- B. Wiring within Enclosures: Bundle, lace, and train conductors to terminal points without exceeding manufacturer's limitations on bending radii. Provide and use lacing bars and distribution spools.
- C. Splices, Taps, and Terminations: For power and control wiring, use labeled terminal strips in terminal cabinets and equipment enclosures. Tighten electrical connectors and terminals according to manufacturer's published torque-tightening values. If manufacturer's torque values are not indicated, use those specified in UL 486A-486B.
- D. For LAN connection and copper communication wiring, comply with Section 271300 "Communications Backbone Cabling" and Section 271500 "Communications Horizontal Cabling."
- E. Grounding: Provide independent-signal circuit grounding recommended in writing by manufacturer.

3.4 VIDEO SURVEILLANCE SYSTEM INSTALLATION

- A. Install cameras level and plumb.
- B. Install cameras with 102-inch (2592-mm) minimum clear space below cameras and their mountings. Change type of mounting to achieve required clearance.

- C. Identify system components, wiring, cabling, and terminals according to Section 260553 "Identification for Electrical Systems."

3.5 FIELD QUALITY CONTROL

- A. Perform tests and inspections.
 - 1. Inspect components, assemblies, and equipment installations, including connections, and to assist in testing.
- B. Tests and Inspections:
 - 1. Inspection: Verify that units and controls are properly installed, connected, and labeled, and that interconnecting wires and terminals are identified.
 - 2. Test Schedule: Schedule tests after pretesting has been successfully completed and system has been in normal functional operation for at least 14 days. Provide a minimum of 10 days' notice of test schedule.
 - 3. Operational Tests: Perform operational system tests to verify that system complies with Specifications. Include all modes of system operation. Test equipment for proper operation in all functional modes.
- C. Video surveillance system will be considered defective if it does not pass tests and inspections.
- D. Prepare and submit test and inspection reports.

3.6 OPERATIONAL TESTS

- A. General: Provide all personnel, equipment, instrumentation, and supplies necessary to perform all site testing. The Owner's representative will witness all performance verification testing. Original copies of all test data produced during performance verification and endurance testing shall be turned over to the Construction Manager and Engineer at the conclusion of each phase of testing prior to Owner's approval of the test.
- B. Operational testing specified in this section shall be coordinated with operational testing specified in Section 24 00 00 Emergency Telephone Equipment (paragraph 3.7).
- C. Integrator's Field Testing (pre-testing): Verify transmission media operation, calibrate and test all equipment, place the system components in service, and notify the Owner or Owner's integrator that system/components are ready for integration in to the Owner's VMS. Deliver a report describing results of functional tests, diagnostics, and calibrations including written certification to the Owner that the installed components have been calibrated, tested, and are ready for integration in to the VMS and for performance verification testing. The report shall also include a copy of the approved performance verification test procedure. The field testing shall, as a minimum, include:

1. Verification that the video transmission system and any signal or control cabling have been installed, tested, and approved as specified.
 2. Verification that the remote devices are functional, communicate with the security network, and perform all functions as specified.
 3. Verification that media converters and PoE injectors are functioning correctly.
 4. Verification that all video sources and video outputs provide a full bandwidth signal at all video inputs.
 5. Verification that all cameras are aimed and focused properly. Conduct a walk test of the area covered by each camera to verify the field of view.
 6. Verification that alarm interfaces are functional all designated alarm points and cameras.
 7. Verification of all controls for pan, tilt and zoom mechanisms are operative and that the controls perform the desired function.
- D. Performance Verification Test: Demonstrate that the completed video surveillance system equipment complies with the contract requirements. Using approved test procedures, all physical and functional requirements of the project shall be demonstrated and shown. The performance verification test, as specified, shall not be started until approval of the pre-testing submittal has been received. This shall include certification of successful completion of Integrator Field Testing as specified in paragraph "Integrator's Field Testing" (paragraph 3.6A). The Owner, Construction Manager, Engineer, and City of Cincinnati Police Information Technology Section may terminate testing at any time when the system fails to perform. Upon termination of testing by the Owner, Construction Manager, Engineer, or City of Cincinnati Police Information Technology Section or by the Integrator, commence an assessment period as described for as specified in paragraph "Assessment" (paragraph 3.6D). Upon successful completion of the performance verification test, deliver test reports to the Construction Manager.
- E. Assessment: After the conclusion of Performance Verification Test, identify all failures, determine cause of all failures, repair all failures, and deliver a written report to the Construction Manager. The report shall explain the nature of each failure, corrective action taken, results of tests performed, and shall recommend retesting to be performed by the Owner or Owner's integrator. After delivering the written report, convene a test review meeting to present the results and recommendations to the Owner, Construction Manager, and City of Cincinnati Police Information Technology Section. As a part of this test review meeting, demonstrate that all failures have been corrected by performing appropriate portions of the performance verification test. Based on the Integrator's report and the test review meeting, the Construction Manager will determine the retest date, or may require that Performance Verification Test be repeated in its entirety. If the retest is completed without any failures, the Integrator may proceed directly to Phase III testing after receipt of written permission from the Owner.
- F. Endurance Testing: The test shall be conducted 24 hours per day for 7 consecutive calendar days, including holidays, and the system shall be operated by the Owner as specified. Make no repairs during this phase of testing unless authorized by the Owner, Construction Manager, and City of Cincinnati Police Information Technology Section in writing. At the conclusion of the Endurance Test period commence an

assessment period as specified in paragraph "Assessment" (paragraph 3.6D). If at the conclusion of the Endurance Test period no failures of the new equipment have occurred proceed to "Cleaning" (paragraph 3.7) and "CLOSEOUT SUBMITTALS" (paragraph 1.5).

3.7 CLEANING

- A. Clean installed items using methods and materials recommended in writing by manufacturer.
- B. Clean installed video surveillance system components, including camera-housing windows, lenses, and screens.

END OF SECTION 282300