

THE BANKS

PUBLIC INFRASTRUCTURE DEVELOPMENT

PHASE 3B - LOT 23/27 GARAGE & RACE ST. TURNAROUND

B.P. #1 - PILES AND SITE DEMOLITION
MARCH 4, 2019

PROJECT TEAM:

Hamilton County
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City of Cincinnati
OWNER-RACE ST. AND PUBLIC UTILITIES
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MBJ Consultants, Inc.**
CONSTRUCTION MANAGER
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Cincinnati, Ohio 45203
Phone: 513-242-1541

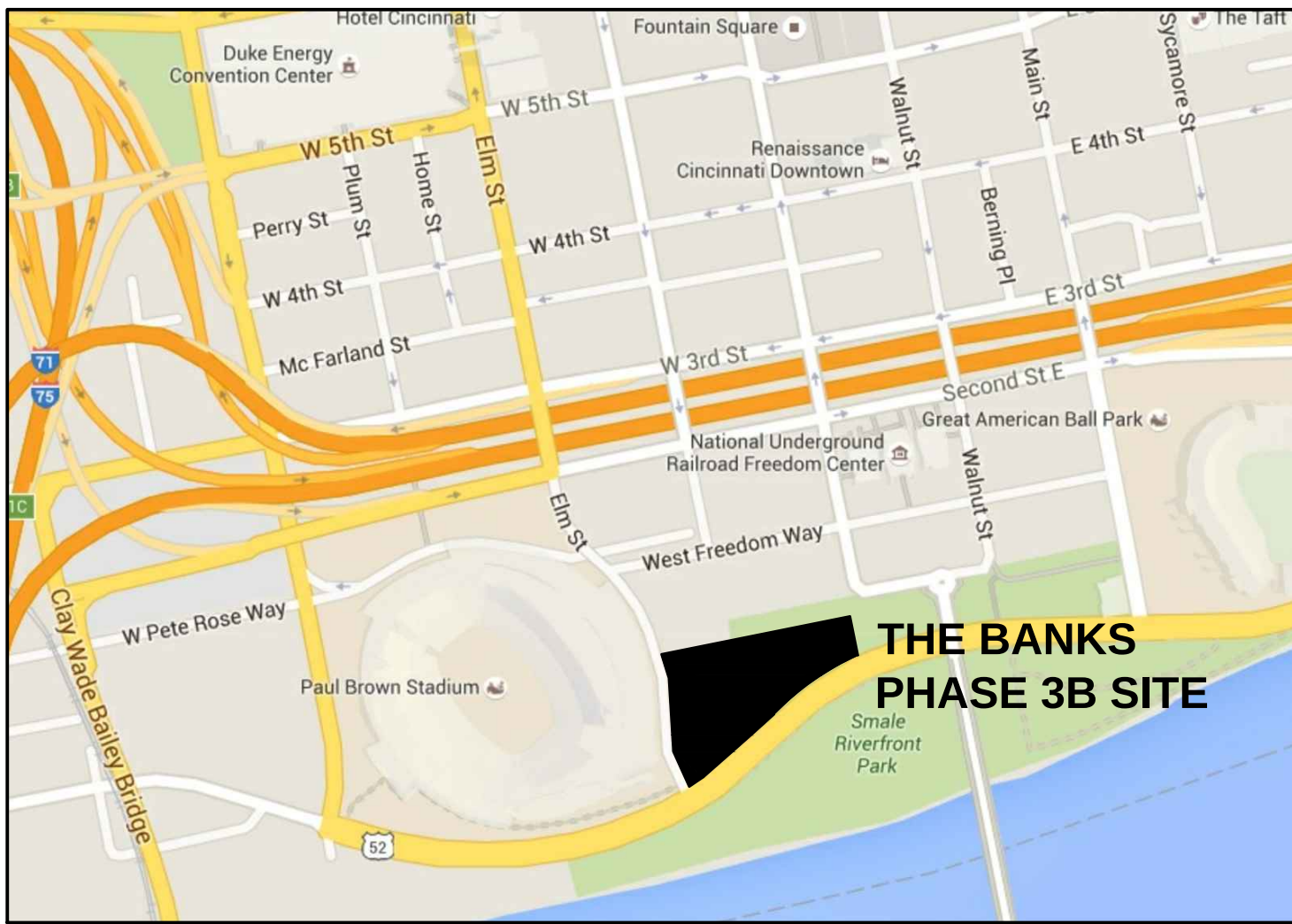
McGill Smith Punshon, Inc.
SURVEYOR
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THP Limited, Inc.
ARCHITECT/STRUCTURAL ENGINEER
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Phone: 513-241-3222

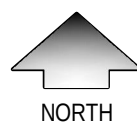
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MEP & FP ENGINEER
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Dayton, OH 45409
Phone: 937-224-0861

Burgess and Niple
CIVIL ENGINEER
525 Vine Street
Cincinnati, OH 45202
Phone: 513-579-0042

Terracon Consultants, Inc.
GEOTECHNICAL ENGINEER
611 Lunken Park Drive
Cincinnati, OH 45226
Phone: 513-321-5816



LOCATION PLAN



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The BANKS Phase 3B
TOPOGRAPHIC SURVEY
LOWER LEVEL - North
SECTION 17, TOWN 4, FRACTIONAL RANGE 1
CINCINNATI TOWNSHIP, CITY OF CINCINNATI
HAMILTON COUNTY, OHIO

Date NOVEMBER 28, 2018
Scale 1" = 20'
Drawn By RG Proj. Mgr. RDN
Survey Data Base 99327 TBC
DWG 99327103-TOP-Base
X-Ref(s)
Project Number 99327.10
File No. 99327 Sheet No. 1/1



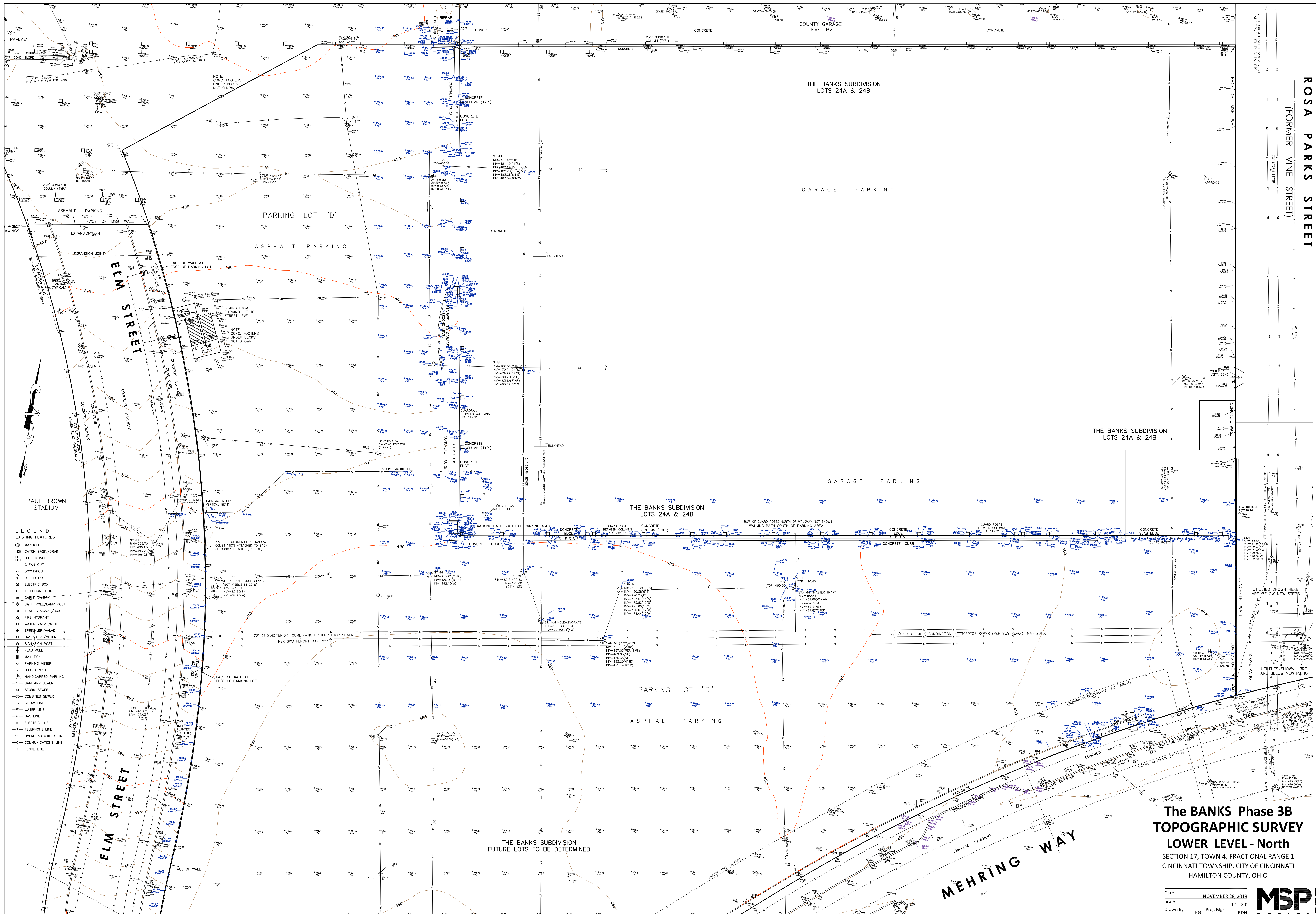
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Landscape Architecture
Planning
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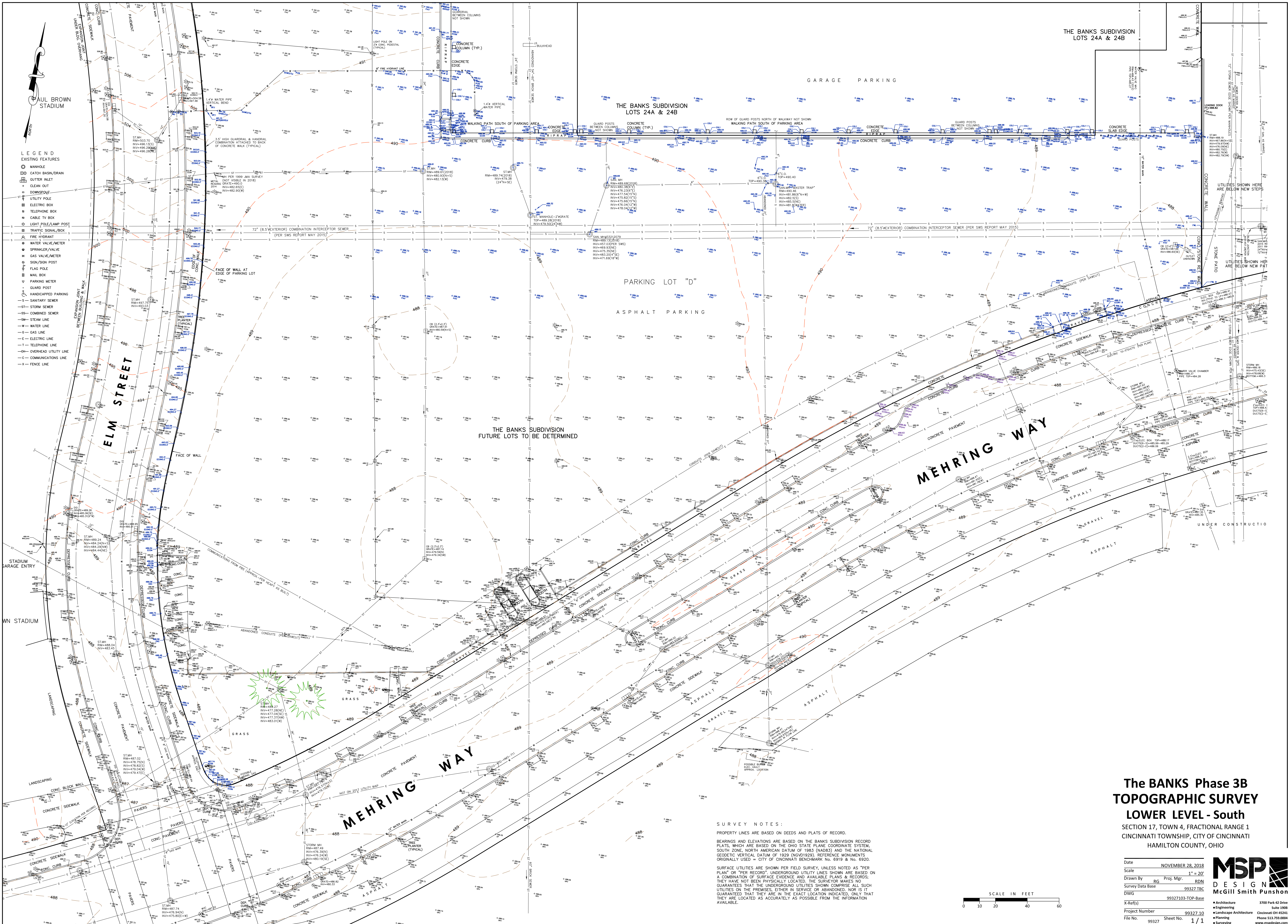
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SURFACE UTILITIES ARE SHOWN PER FIELD SURVEY, UNLESS NOTED AS "PER PLAN" OR "PER RECORD".
UNDERGROUND UTILITY LINES SHOWN ARE BASED ON A COMBINATION OF SURFACE EVIDENCE AND
AVAILABLE PLANS & RECORDS; THEY HAVE NOT BEEN PHYSICALLY LOCATED. THE SURVEYOR MAKES
NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES ON THE
PREMISES, EITHER IN SERVICE OR ABANDONED, NOR IS IT GUARANTEED THAT THEY ARE IN THE EXACT
LOCATION INDICATED, ONLY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM THE
INFORMATION AVAILABLE.

PROPERTY LINES ARE BASED ON DEEDS AND PLATS OF RECORD.
BEARINGS AND ELEVATIONS ARE BASED ON THE BANKS SUBDIVISION RECORD PLATS, WHICH ARE
BASED ON THE OHIO STATE PLANE COORDINATE SYSTEM, SOUTH ZONE, NORTH AMERICAN DATUM OF
1983 (NAD83) AND THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29). REFERENCE
MONUMENTS ORIGINALLY USED - CITY OF CINCINNATI BENCHMARK No. 6919 & No. 6920.

- LEGEND
EXISTING FEATURES
- MANHOLE
 - CATCH BASIN/DRAIN
 - OUTLET INLET
 - CLEAN OUT
 - DOWNSPOUT
 - UTILITY POLE
 - ELECTRIC BOX
 - TELEPHONE BOX
 - CABLE TV BOX
 - LIGHT POLE/LAMP POST
 - TRAFFIC SIGNAL/BOX
 - FIRE HYDRANT
 - WATER VALVE/METER
 - SPRINKLER VALVE
 - GAS VALVE/METER
 - SIGN/SIGNAL POST
 - FLAG POLE
 - MAIL BOX
 - PARKING METER
 - GUARD POST
 - HANDICAPPED PARKING
 - SANITARY SEWER
 - STORM SEWER
 - COMBINED SEWER
 - STEAM LINE
 - WATER LINE
 - GAS LINE
 - ELECTRIC LINE
 - TELEPHONE LINE
 - OVERHEAD UTILITY LINE
 - COMMUNICATIONS LINE
 - FENCE LINE





SURVEY NOTES:

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**The BANKS Phase 3B
TOPOGRAPHIC SURVEY
LOWER LEVEL - South**
SECTION 17, TOWN 4, FRACTIONAL RANGE 1
CINCINNATI TOWNSHIP, CITY OF CINCINNATI
HAMILTON COUNTY, OHIO

Date: NOVEMBER 28, 2018
Scale: 1" = 20'
Drawn By: RG Proj. Mgr.: RDN
Survey Data Base: 99327 TBC
DWG: 99327103-TOP-Bank
X-Ref(s):
Project Number: 99327.10
File No.: 99327 Sheet No.: 1 / 1

MSP
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Suite 1900
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CONCRETE WALL

THE BANKS SUBDIVISION
LOTS 24A & 24B

THE BANKS SUBDIVISION
LOTS 24A & 24B

CONCRETE PARKING DECK & COLUMNS

THE BANKS SUBDIVISION
LOTS 24A & 24B

THE BANKS SUBDIVISION
FUTURE LOTS TO BE DETERMINED

SURVEY NOTES:
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The BANKS Phase 3B
TOPOGRAPHIC SURVEY
Intermediate LEVEL
SECTION 17, TOWN 4, FRACTIONAL RANGE 1
CINCINNATI TOWNSHIP, CITY OF CINCINNATI
HAMILTON COUNTY, OHIO

Date	NOVEMBER 28, 2018
Scale	1" = 20'
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MSP
DESIGN
McGill Smith Punshon

- Architecture
- Engineering
- Landscape Architecture
- Planning
- Surveying

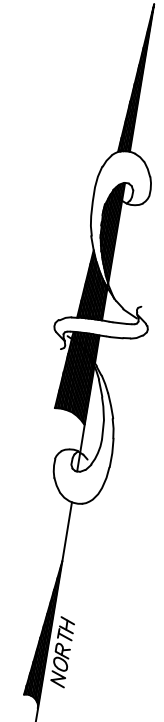
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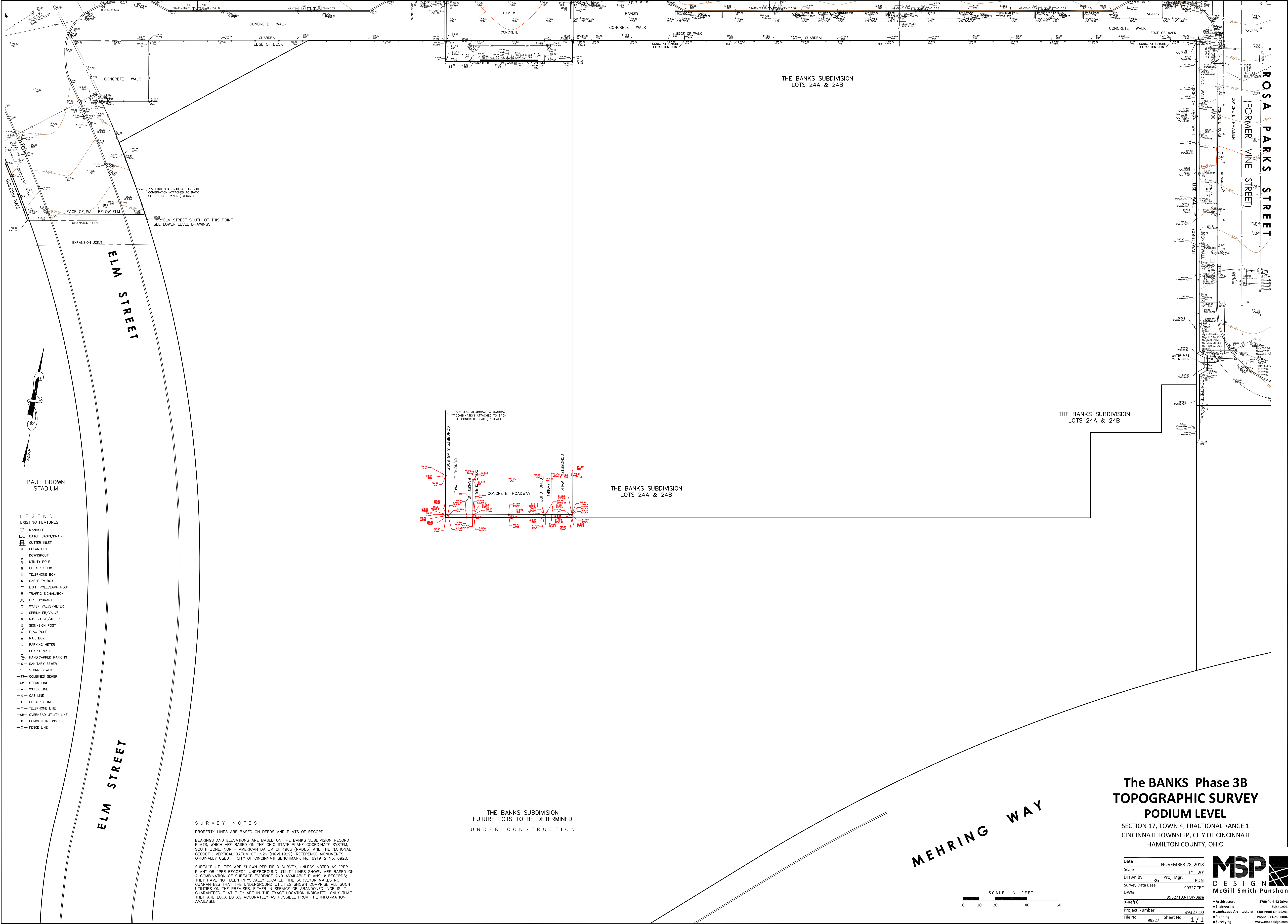
ELM STREET

ELM STREET

MEHRING WAY

- LEGEND
- EXISTING FEATURES
- MANHOLE
 - CATCH BASIN/DRAIN
 - GUTTER INLET
 - CLEAN OUT
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SURVEY NOTES:

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THE BANKS SUBDIVISION
FUTURE LOTS TO BE DETERMINED
UNDER CONSTRUCTION

The BANKS Phase 3B
TOPOGRAPHIC SURVEY
PODIUM LEVEL

SECTION 17, TOWN 4, FRACTIONAL RANGE 1
CINCINNATI TOWNSHIP, CITY OF CINCINNATI
HAMILTON COUNTY, OHIO

Date NOVEMBER 28, 2018
Scale 1" = 20'
Drawn By RG Proj. Mgr. RDN
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X-Ref(s)
Project Number 99327.10
File No. 99327 Sheet No. 1 / 1



Architecture 3700 Park 42 Drive
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Landscape Architecture Cincinnati OH 45244
Planning Phone 513.759.0004
Surveying www.mspsdesign.com

SCALE IN FEET
0 10 20 40 60

HAMILTON COUNTY
STATE OF OHIO

HAMILTON COUNTY
RIVERFRONT PARKING
AND INFRASTRUCTURE
IMPROVEMENTS

THP
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100 East Eighth Street
Cincinnati, Ohio 45202
Phone: (513) 241-3222
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- Exterior walls: 0-hour rating per 704.10 and Table 602 notes.
- Fire walls: 2 hours per Table 706.4.
- Fire enclosure for exit stairways: 2 hours per Section 510.2 and 713.4. For Phase 1, appeal was granted for Appeal File No. 23-08 allowing glass enclosure with sprinklers at the glass. For Phase 2, appeal was granted for Appeal File No. 22-09 for the same items. The same appeal and compliance strategy was granted for Phase 3 (Appeal File No. 2-15).
- Shafts (other than exits): 2 hours per 713.4 where noted; unrated where permissible.
- Exit access corridors: 0 hour with sprinklers, per Table 1020.1.
- Penetrations comply with 714.3.
- Protection of rated structural members complies with 704.

- Interior wall finishes per Table 803.11, for sprinklered Use Group S:
 - o Vertical Exits & Passageways: Class C.
 - o Exit Access Corridors: Class C.
 - o Room & Enclosed Spaces: Class C.
- Interior floor finishes per 804.4: Vertical Exits, Exit Passageways, and Exit Access Corridors comply with the DOC FF-1 "pill test".

- Dry-type automatic sprinkler system provided per 903.2.10 and 406.6.3.
- Electrical supervision and central station connection of the sprinkler system provided per 903.4 and 903.4.1.
- Class I dry-type standpipe system provided per 905.3.1, 905.3.5, 905.8, and NFPA 14.
 - o Standpipe hose connections typically located in stairways, and where additional hose connections are required, they are located outside of stairways.
 - o All areas within 200' of a hose connection.
 - o 100 pounds of pressure (within a period of 60 seconds) provided at the hose connections with the help of fire pump.
 - o Hose threads and fire department connection locations and types to be reviewed and approved by the Cincinnati Fire Department per 903.3.6 and 912.1.
- Portable fire extinguishers provided per 906.1, International Fire Code, and NFPA 10.

- Design occupant load per Table 1004.1.2:
 - o Level 489:
 - Lot 23: 93,655 SF total public parking / 200 SF per occupant = 468 occupants.
 - Lot 27: 41,750 SF total public parking / 200 SF per occupant = 209 occupants.
- Number of exits complies with Table 1006.3.1:
 - o Three exits required per level.
- Stairways:
 - o Comply with accessible means of egress per 1009:
- Guards comply with 1015.
- Remoteness of exits complies with the 1/3 diagonal rule.
- Egress lighting provided per 1008.
- Exit signs provided per 1013.
- Exit travel distances are within the allowable 400' maximum for sprinklered S-2 occupancy, per Table 1017.2.

- All entrances, exits, egress ramps, elevators, route through building, and signage shall be accessible. Also refer to additional notes under Chapter 10 above.
- Numbers of accessible car and van spaces comply with Table 1106.1:
 - o Parking Spaces:
 Lot 23: 173
 Lot 27: 106
 - o Accessible Spaces:
 Lot 23 + Lot 27: 8 Accessible + 4 Van
 - o Minimum vertical clearance at van spaces and along accessible route = 8'-2".

- Natural ventilation provided per 1203.4.
- Mechanical ventilation provided per the Ohio Mechanical Code.
- Lighting provided per 1205.2 or 1205.3.
- Stairway illumination provided per 1205.4 and Chapter 10.
- Emergency egress lighting provided per 1205.5 and 1008.3.

- Stairway illumination provided per 1205.4 and Chapter 10.
- Emergency egress lighting provided per 1205.5 and 1008.

- The 100-year Base Flood Elevation has been established at elevation 498.2' (FEMA Map #39061C0307D, effective date of 5/17/2004).
- The flood hazard area, as designated from the map, is "AE". Design and construction is based on ASCE 24-05 "Flood Resistant Design and Construction".
- Design Flood Elevation is 499.2' (Base Flood Elevation 498.2' plus 1'-0") for occupied spaces (i.e. Electrical Rooms, Water Meter Rooms, etc.).

- Use Group S-2 Enclosed Parking Garage - low-hazard storage occupancy (Levels 489 & 500). In the interim (prior to development of the adjacent Lots 25 (north) and Lot 28 (south), Level 489 in Lot 27 qualifies as an Open Parking Garage.
- Future occupancies above (overbuild) will be permitted separately, and involve other Use Groups.

- Complies with Enclosed Parking Garage requirements per 406.4. In the interim (prior to development of Lots 25 and 28), Level 4R in Lot 27 qualifies as an Open Parking Garage.
- Heights and areas comply with 406.6.1. Refer to notes under Chapter 5 below.
- Mechanical ventilation provided per 406.6.2. Exhaust fan system constructed in Phase 2 (Lot 2) was sized to accommodate the Phase 3A and 3B garage build-out to the south, all the way to Mehring Way (Lot 23).

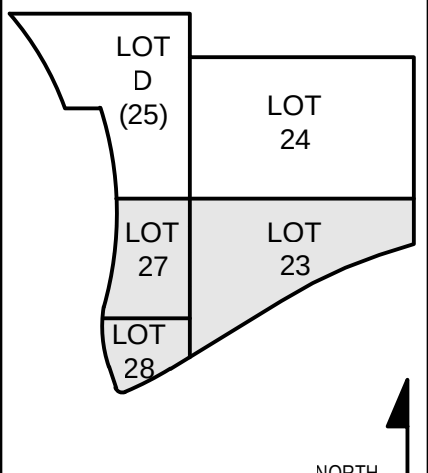
- Construction Type IA Protected Noncombustible per Table 601.
- Allowable Height: Unlimited per Table 504.3.
- Actual Height: 2 levels below grade (podium level grade varies from 503' to 507', and Race Street turnaround at 515').
- Allowable Area: Unlimited per Table 506.2.
- Actual Area:

- Development above Lot 23 podium is public park.
- Development above Lot 27 podium is private Music Venue project, permitted separately.
- Complies with separation requirements per 510.2, between S-2 Enclosed Parking Garage and future overbuild above:
 - o Podium level is 3-hour-rated horizontal separation per 510.2 and 710.3.
 - o All structural frame elements (columns, girders, framing) supporting the future 3-hour-rated podium: 3 hours.

- Type IA Protected Noncombustible per 602.2 and Table 721.1.
- Table 601 Fire-Resistance Rating Requirements For Building Elements:
 - Structural frame: 3 hours.
 - Exterior bearing walls: Refer to Table 602 notes below.
 - Interior bearing walls: 3 hours.
 - Exterior nonbearing walls and partitions: Refer to Table 602 notes below.
 - Interior nonbearing walls and partitions: 0 hour.
 - Floor construction including beams: 2 hours, except the podium slab is 3 hours.
 - Roof construction including girders and framing supporting roof only:
 - 1½ hours (the podium remains 3-hour-rated).
- Table 602 Fire-Resistance Rating Requirements For Exterior Walls Based on Fire Separation:
 - Type IA, 1½ hours S-2, (Less than 30 feet): 1 hour (*)
 - Type IA, Use Group S-2 (Equal to or greater than 30 feet): 0 hour.

(*) The exterior walls have no required fire rating since public streets surround the site and provide greater than 30 foot distance to adjacent building structure or street centerline.

- The wall separating the garage from the Transit Center is a four-hour fire resistance rated fire (not structurally independent) separation wall per Appeal File #52-00". This wall is 665 feet north of the Lot 23 Garage footprint and is not a consideration for this Phase.
- The future wall separating the garage from the adjacent Music Venue above the Lot 27 podium is not part of the garage project, and will be part of the separately permitted Music Venue project.



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

THE BANKS
PHASE 3B

LOT 23/27 GARAGE &
RACE ST. TURNAROUND

DRAWING TITLE
BUILDING CODE NOTES

JOB NUMBER	DATE
98090.38	3/4/2019
DRAWING NUMBER	

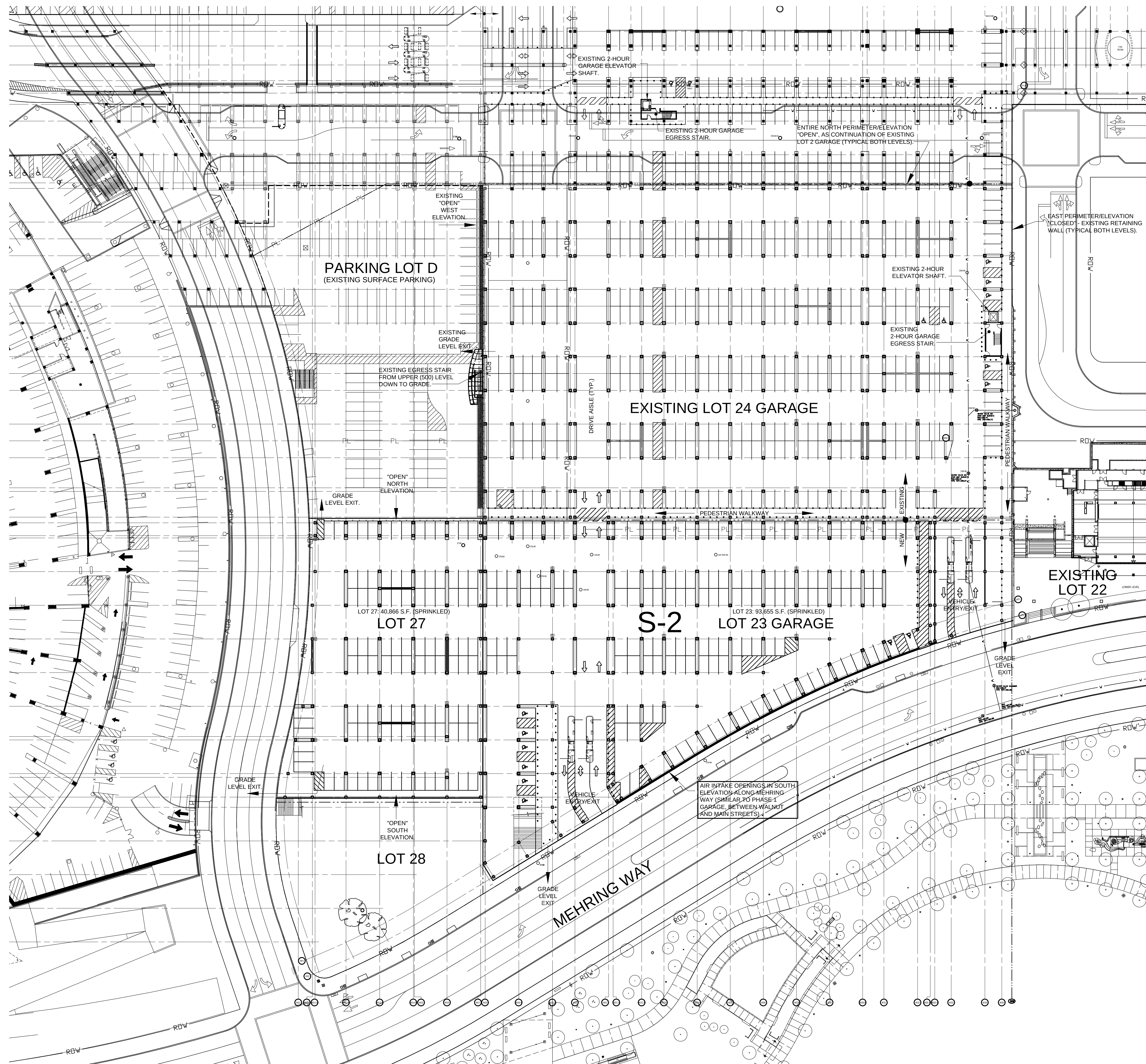
G001

KEY PLAN

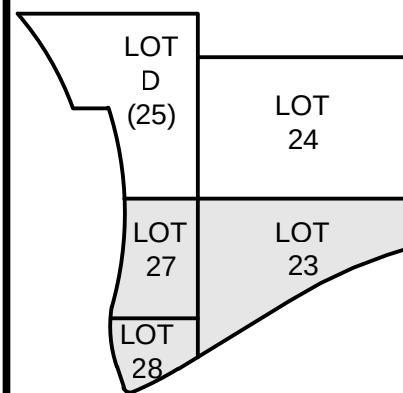
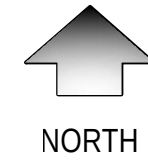


HAMILTON COUNTY
RIVERFRONT PARKING
AND INFRASTRUCTURE
IMPROVEMENTS

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Consulting Engineers
100 East Eighth Street
Cincinnati, Ohio 45202
Phone: (513) 241-9222
Fax: (513) 241-2981



1
G002
LOWER LEVEL (489)
BUILDING CODE PLAN
1" = 40'



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

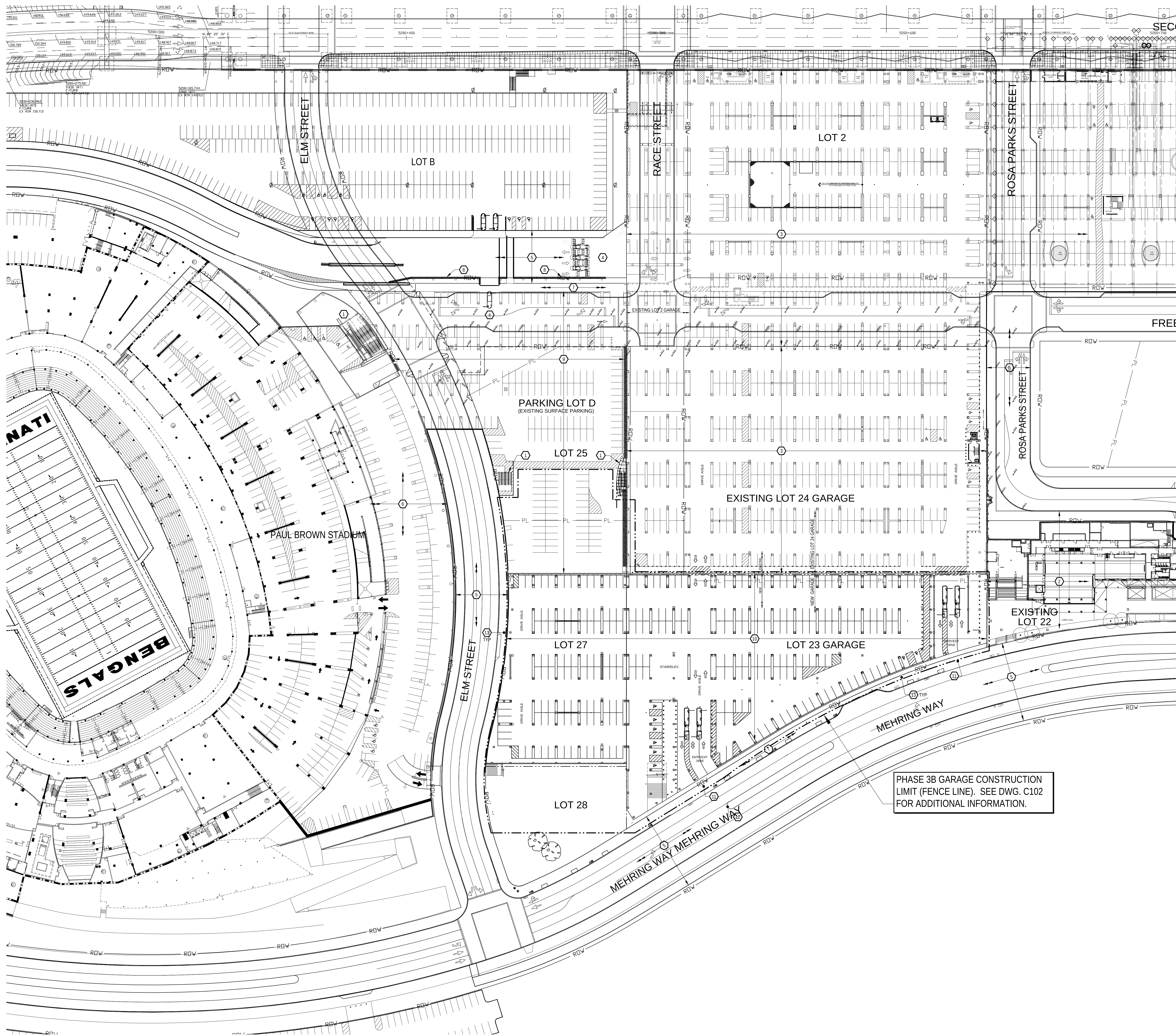
**THE BANKS
PHASE 3B**

LOT 23/27 GARAGE &
RACE ST. TURNAROUND

DRAWING TITLE
**BUILDING
CODE
DIAGRAMS**

JOB NUMBER: 98090.38
DATE: 3/4/2019
DRAWING NUMBER:

G002



PROJECT GENERAL NOTES:

- A. UTILITIES
- CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS AND PAY ALL REQUIRED FEES RELATED TO UTILITY WORK. CONTRACTOR SHALL INSPECT AND VIDEO CONDITION OF ALL SEWERS TO REMAIN INCLUDING 12" SANITARY, 48" STORM, 24" STORM, 48" STORM PERIOD 1, AND 24" STORM PERIOD 2. SEWERS SHALL BE REMOVED OR ABANDONED AS DIRECTED BY CONSTRUCTION MANAGER, PRIOR TO START AND AFTER COMPLETION OF THE WORK.
 - ALL MATERIALS PERTAINING TO COMBINED OR SANITARY SEWERS MUST BE SUBMITTED TO MSD FOR APPROVAL. ALL MATERIAL PERTAINING TO STORM SEWERS MUST BE SUBMITTED TO STORMWATER MANAGEMENT FOR APPROVAL. PRIOR TO STARTING ANY WORK, VERIFY STATUS OF ALL SEWERS AFFECTED BY WORK OF THIS PROJECT WITH CONSTRUCTION MANAGER AND MSD FIELD ENGINEER, AND SMU FIELD ENGINEER. A STORMWATER MANAGEMENT UTILITY (SMU) PERMIT IS REQUIRED FOR WORK ON STORM SEWERS. AS-BUILT DRAWINGS SHALL BE SUBMITTED UPON THE COMPLETION OF ANY SANITARY AND STORM SEWER WORK. SEWERS INDICATED TO BE FILLED, SEALED AND ABANDONED, OR REMOVED SHALL BE DONE SO IN ACCORDANCE WITH ITEM 202 OF THE CITY OF CINCINNATI SUPPLEMENT. MANHOLES, CATCH BASINS, AND INLETS INDICATED TO BE REMOVED OR ABANDONED SHALL BE DONE SO IN ACCORDANCE WITH THE SAME.
 - PRIOR TO EXCAVATION AND EARTHWORK, VERIFY LOCATIONS OF UNDERGROUND UTILITIES WITH THE UTILITY COMPANIES AND CONSTRUCTION MANAGER. SURVEY OR CAREFULLY EXCAVATE TO ESTABLISH EXACT UTILITY LOCATIONS. UTILITY LOCATIONS SHOWN ON THE DRAWING ARE ONLY APPROXIMATE AND CANNOT BE USED TO ASSURE THE CONTRACTOR OF ADEQUATE CLEARANCE IN CASE OF CLOSE PROXIMITY. COORDINATE ALL WORK WITH THE UTILITIES TO ASSURE UNINTERRUPTED FUNCTION OF UTILITIES TO REMAIN.
 - THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE UNDERGROUND UTILITY PROTECTION SERVICE (OUPS 1-800-362-2764) AND OWNERS OF UNDERGROUND UTILITIES NOT REGISTERED WITH OUPS AT LEAST TWO (2) WORKING DAYS PRIOR TO COMMENCING CONSTRUCTION WORK FOR THE PURPOSE OF SECURING A STAKED PATH OF RESPECTIVE UTILITIES AND WITH THE APPROXIMATE DEPTH INDICATED ON STAKES.
 - ACTIVE UTILITIES SHALL BE ADEQUATELY PROTECTED FROM DAMAGE. WHERE ACTIVE UTILITIES ARE ENCOUNTERED BUT NOT SHOWN ON THE DRAWINGS, CONTRACTOR SHALL NOTIFY CONSTRUCTION MANAGER, ARCHITECT, AND UTILITY OWNER IMMEDIATELY BEFORE PROCEEDING. WORK SHALL BE PROTECTED, SUPPORTED, OR RELOCATED AS DIRECTED, AND THE CONTRACT SUM ADJUSTED ACCORDINGLY, IF APPLICABLE.
 - INACTIVE AND ABANDONED UTILITIES ENCOUNTERED BUT NOT SHOWN ON THE DRAWINGS SHALL ALSO BE REPORTED IMMEDIATELY TO THE CONSTRUCTION MANAGER, ARCHITECT AND UTILITY OWNER. SUCH UTILITIES SHALL THEN BE REMOVED, PLUGGED, OR CAPPED AS DIRECTED. IN THE ABSENCE OF SPECIFIC REQUIREMENTS, PLUG OR CAP SUCH UTILITIES AS REQUIRED BY THE UTILITY OWNER.
 - THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING OVERHEAD AND UNDERGROUND UTILITIES ON THE SITE. DAMAGE TO EXISTING UTILITIES SHALL BE IMMEDIATELY REPAIRED AT THE CONTRACTOR'S EXPENSE.
 - PLUMBING PERMIT AND INSPECTION IS REQUIRED FROM THE CITY OF CINCINNATI PLUMBING DIVISION FOR ALL SANITARY AND STORM PIPING LOCATED ON PRIVATE PROPERTY.
 - PROVIDE MONITORED, CONTROLLED EXCAVATION FOR ALL EXCAVATIONS.
 - THE FOLLOWING IS A LIST OF THE REPRESENTED UTILITY OWNERS ON OR ADJACENT TO THE SITE:

OHIO UTILITIES PROTECTION SERVICE (OUPS) PO BOX 729 12427 MAHONING AVENUE NORTH JACKSON, OHIO 44451 (800) 362-2764	CITY OF CINCINNATI - DOTE CITY HALL RM. 425 901 PLUM STREET CINCINNATI, OHIO 45202-1979 (513) 352-3465 / (513) 352-3463
DUKE ENERGY CORPORATION (GAS & ELECTRIC) 139 E 4TH ST CINCINNATI, OH 45202 (513) 544-6900 / 1-800-282-3000	CINCINNATI BELL TELEPHONE 221 E. FOURTH STREET CINCINNATI, OHIO 45202 (513) 565-2210
METROPOLITAN SEWER DISTRICT (MSD) 1600 GESS STREET CINCINNATI, OHIO 45204 (513) 352-4900 / (513) 244-1300	CITY OF CINCINNATI STORMWATER MANAGEMENT UTILITY (SMU) 225 W. GALBRAITH ROAD CINCINNATI, OHIO 45216 (513) 352-4287
CINCINNATI WATER WORKS (CWW) 4747 SPRING GROVE AVENUE CINCINNATI, OH 45232 (513) 591-7700	

B. EROSION CONTROL (SEE DWG C104 ALSO)

- FOR ALL AREAS OF DISTURBED EARTH, THE CONTRACTOR SHALL PROVIDE EROSION CONTROL MEASURES IN ACCORDANCE WITH ODOT ITEMS 670 & 671 AND ODOT STANDARD DRAWINGS DM-4.3 AND DM-4.4.
- BEST MANAGEMENT PRACTICES: CONSTRUCTION OF THIS PROJECT WILL REQUIRE THE DISTURBANCE OF GREATER THAN ONE ACRE OF GROUND. THE PROJECT'S STORM WATER POLLUTION PREVENTION PLAN WILL BE REQUIRED TO DETAIL THE PROJECT SPECIFIC SOIL EROSION PREVENTION MEASURES. IN ADDITION TO THE CURRENT CWS, SS, PLAN NOTES, AND SWPPP STIPULATIONS, THE REGULATIONS AND CONDITIONS ASSOCIATED WITH THE REQUIRED NPDES PERMIT SHALL REQUIRE THE CONTRACTOR'S FULL COMPLIANCE. THE CONTRACTOR SHALL FOLLOW BEST MANAGEMENT PRACTICES (BMP'S) FOR SEDIMENT AND EROSION CONTROL, DURING CONSTRUCTION AND POST-CONSTRUCTION IN ACCORDANCE WITH THE ODOT CWS SECTION 107.33 AND SUPPLEMENTAL SPECIFICATIONS S33 DATED 5/05. ANY IN-PLACE EROSION CONTROL PROVISION THAT IS DAMAGED IS TO BE REPLACED/REPAIRED IMMEDIATELY BY THE CONTRACTOR CAUSING THE DAMAGE.

C. BENCHMARKS

- PROJECT CONTROL SHALL BE PROVIDED BY CONSTRUCTION MANAGER. THE CONTRACTOR SHALL SET ADDITIONAL BENCHMARKS AS NECESSARY.

D. SAFETY

- IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
- THE DUTY OF THE ARCHITECT AND ENGINEER TO CONDUCT CONSTRUCTION REVIEW OF CONTRACTOR'S PERFORMANCE IS NOT INTENDED TO INCLUDE REVIEW OF ADEQUACY OF CONTRACTOR'S SAFETY MEASURES IN, ON, OR NEAR THE CONSTRUCTION SITE.

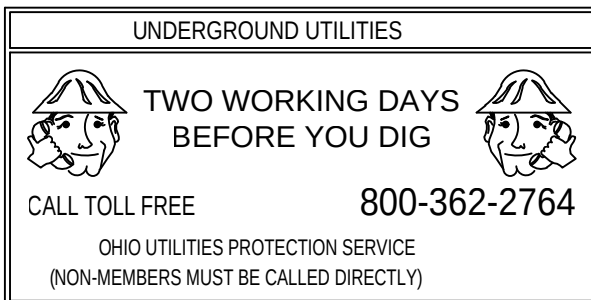
DRAWING NOTES: □

- EXISTING STAIRS TO REMAIN OPEN THROUGHOUT CONSTRUCTION.
- EXISTING VINE STREET STAIRS AND BANQUET CENTER TO REMAIN OPEN THROUGHOUT DURATION OF PROJECT.
- EXISTING CENTRAL RIVERFRONT GARAGE TO REMAIN OPEN THROUGHOUT DURATION OF PROJECT.
- EXISTING BOOTHS AND PARKING EQUIPMENT TO REMAIN OPEN THROUGHOUT DURATION OF PROJECT.
- EXISTING ROADWAY TO REMAIN OPEN TO TRAFFIC THROUGHOUT DURATION OF PROJECT. COORDINATE WORK TO MAINTAIN VEHICLE TRAFFIC AND PEDESTRIAN ACCESS. PROVIDE SIGNAGE, PAVEMENT MARKINGS AND TRAFFIC CONTROL MEASURES AS REQUIRED. COORDINATE MAINTENANCE OF TRAFFIC MEASURES WITH CONSTRUCTION MANAGER AND OWNER.
- EXISTING PAUL BROWN STADIUM TO REMAIN OPEN THROUGHOUT DURATION OF PROJECT.
- EXISTING SIDEWALK TO REMAIN OPEN THROUGHOUT DURATION OF PROJECT.
- EXISTING PROTECTIVE BARRIERS AT COLUMNS IN PETE ROSE WAY TO REMAIN THROUGHOUT DURATION OF PROJECT. COORDINATE USE OF AREA WITHIN CONSTRUCTION FENCE WITH CONSTRUCTION MANAGER.
- EXTENTS OF NEW LOT 27 PARKING GARAGE STRUCTURE.
- NEW CURB CUTS SIDEWALK/COMMERCIAL DRIVEWAY CONSTRUCTION PER CITY OF CINCINNATI STANDARD DRAWINGS.
- REMOVE EXISTING ISLAND. RESTORE ROADWAY PAVEMENT. COORDINATE WITH CITY DOTE.
- REMOVE AND REPLACE EXISTING SIDEWALK AS REQUIRED FOR CONSTRUCTION. REMOVE AND REPLACE COMPLETE PANELS ALONG EXISTING CONTROL JOINTS. PROTECT FROM DAMAGE ALL TREES, LIGHT POLES, PULL BOXES, SIGNS, ETC.

PHASE 3B GARAGE CONSTRUCTION
LIMIT (FENCE LINE). SEE DWG. C102
FOR ADDITIONAL INFORMATION.

SITE PLAN

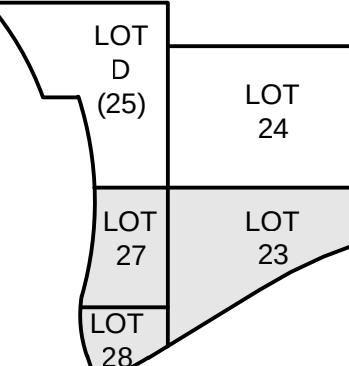
1" = 50'



HAMILTON COUNTY
RIVERFRONT PARKING
AND INFRASTRUCTURE
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Fax: (513) 241-2981



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

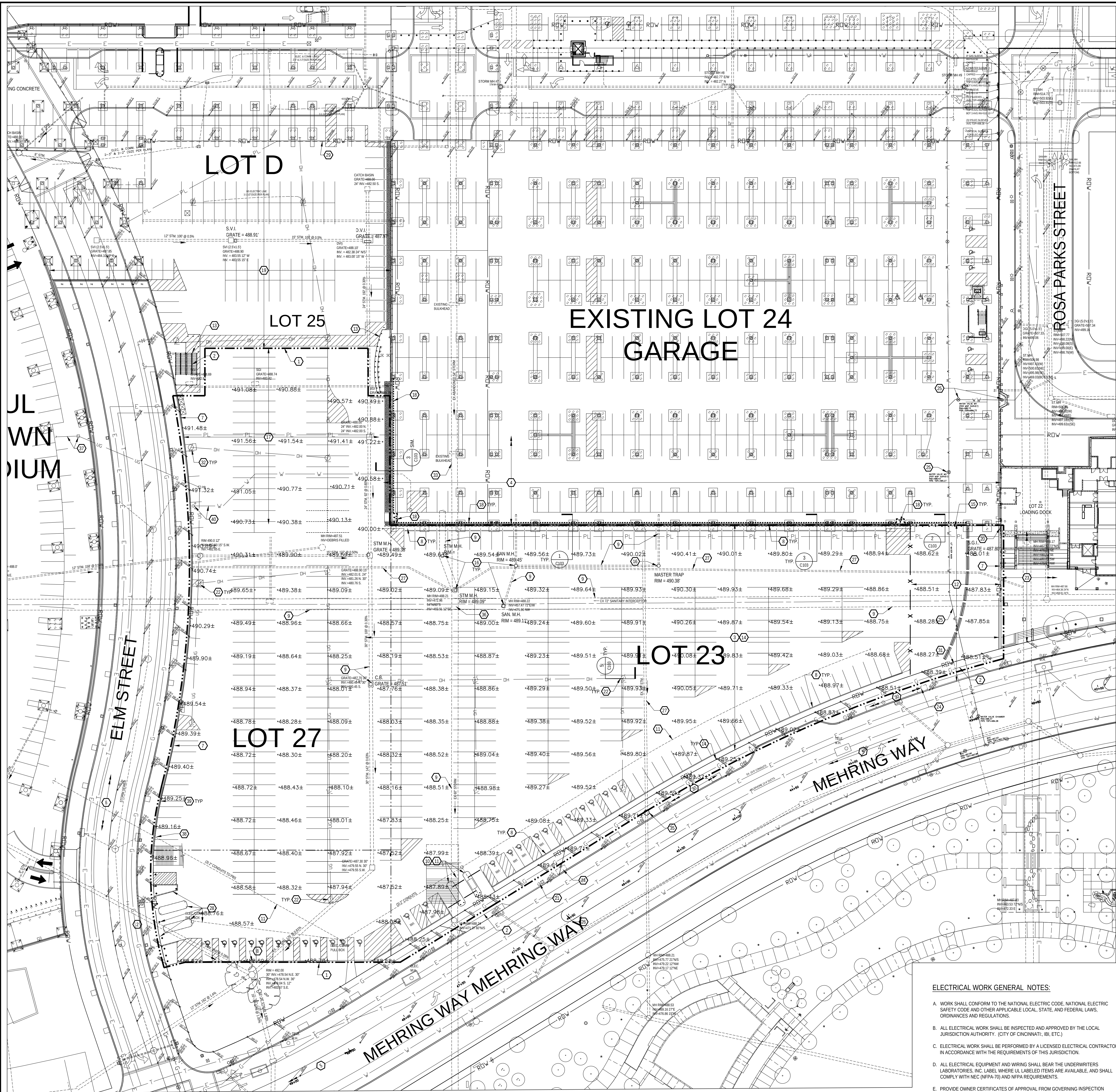
THE BANKS
PHASE 3B

LOT 23/27 GARAGE &
RACE ST. TURNAROUND

DRAWING TITLE
SITE
PLAN

JOB NUMBER DATE
98090.38 3/4/2019
DRAWING NUMBER

C101



DEMOLITION NOTES:

LEGEND:

- INDICATES EXISTING FOUNDATIONS (PILE CAPS, ETC.) THAT ARE TO REMAIN.
- EXISTING VERTICAL PILE LOCATION (BASED ON HISTORICAL DOCUMENTS).
- EXISTING BATTERED PILE LOCATION (BASED ON HISTORICAL DOCUMENTS).
- UTILITY TO BE REMOVED.
- OVERHEAD POWER LINE.
- UNDERGROUND CONDUIT AND POWER LINE.
- EXISTING GAS.
- EXISTING ELECTRIC.
- EXISTING TELEPHONE.
- EXISTING WATER.
- EXISTING SANITARY.
- EXISTING STORMWATER.
- EXISTING GRADE CONTOUR LINES.
- EXISTING SPOT ELEVATION.
- CONSTRUCTION LIMIT LINE.
- TEMPORARY PROTECTION.

GENERAL NOTES:

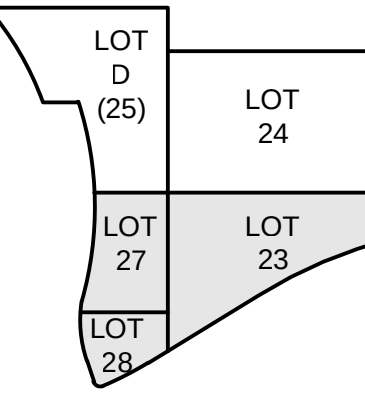
- A. CONTRACTOR SHALL VISIT THE SITE AND SHALL REVIEW REFERENCE DRAWINGS (ON FILE AT CONSTRUCTION MANAGER'S OFFICE) TO BECOME THOROUGHLY FAMILIAR WITH CURRENT AND PAST CONDITIONS.
- B. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO STARTING ANY WORK. REPORT ANY SIGNIFICANT DISCREPANCIES TO CONSTRUCTION MANAGER AND ARCHITECT.
- C. THE LOCATIONS OF EXISTING UTILITIES HAVE BEEN OBTAINED FROM AVAILABLE RECORD INFORMATION PROVIDED AND FIELD OBSERVATION. THE ACCURACY OF UTILITY LOCATIONS IS NOT GUARANTEED. CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO STARTING ANY WORK. CONTRACTOR SHALL CALL THE OHIO UTILITY PROTECTION SERVICE (OUPS) AT 1-800-382-2764 AND OWNERS OF UNDERGROUND UTILITIES NOT REGISTERED WITH OUPS AT LEAST TWO DAYS BEFORE PERFORMING ANY EXCAVATION WORK. PROTECT EXISTING UTILITY LINES THAT ARE TO REMAIN. REFER TO DRAWING C101, PROJECT GENERAL NOTES, SECTION A - UTILITIES, FOR ADDITIONAL UTILITY INFORMATION.
- D. CONTRACTOR SHALL COORDINATE ALL UTILITY WORK WITH OWNERS OF EXISTING UTILITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNER OF THE UTILITY PRIOR TO ABANDONMENT OR REMOVAL OF A UTILITY TO ENSURE THE OWNER HAS APPROPRIATELY DECOMMISSIONED THE LINE.
- E. SURFACE FEATURES, UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN OBTAINED FROM AVAILABLE RECORD INFORMATION. THEREFORE, THEIR LOCATIONS AND SIZES SHOULD BE CONSIDERED APPROXIMATE. OTHER UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES MAY BE PRESENT THAT ARE NOT SHOWN ON THE DRAWINGS. ACTUAL PILE CAP AND FOOTING SIZES CAN BE EXPECTED TO VARY FROM THE DESIGN SIZES SHOWN.
- F. PROTECT ALL STRUCTURES AND FACILITIES THAT ARE TO REMAIN. PROVIDE TEMPORARY RETENTION SYSTEMS AT EXCAVATIONS ADJACENT TO EXISTING WALLS, UTILITIES, FOUNDATIONS AND PAVEMENTS SCHEDULED TO REMAIN.
- G. ALL EXCAVATIONS SHALL BE BACKFILLED IN ACCORDANCE WITH SPECIFICATION SECTION 310000 - EARTHWORK.
- H. REFER TO DWG C101 - GENERAL NOTES PARAGRAPH B AND DWG. C104, FOR REQUIRED EROSION CONTROL MEASURES PRIOR TO ANY EARTHWORK RELATED DEMOLITION.
- I. OUTSIDE OF CONSTRUCTION LIMITS, EXISTING SITE LIGHTING, STREET POLES, TREES, ETC. ARE TO REMAIN, UNLESS NOTED OTHERWISE.

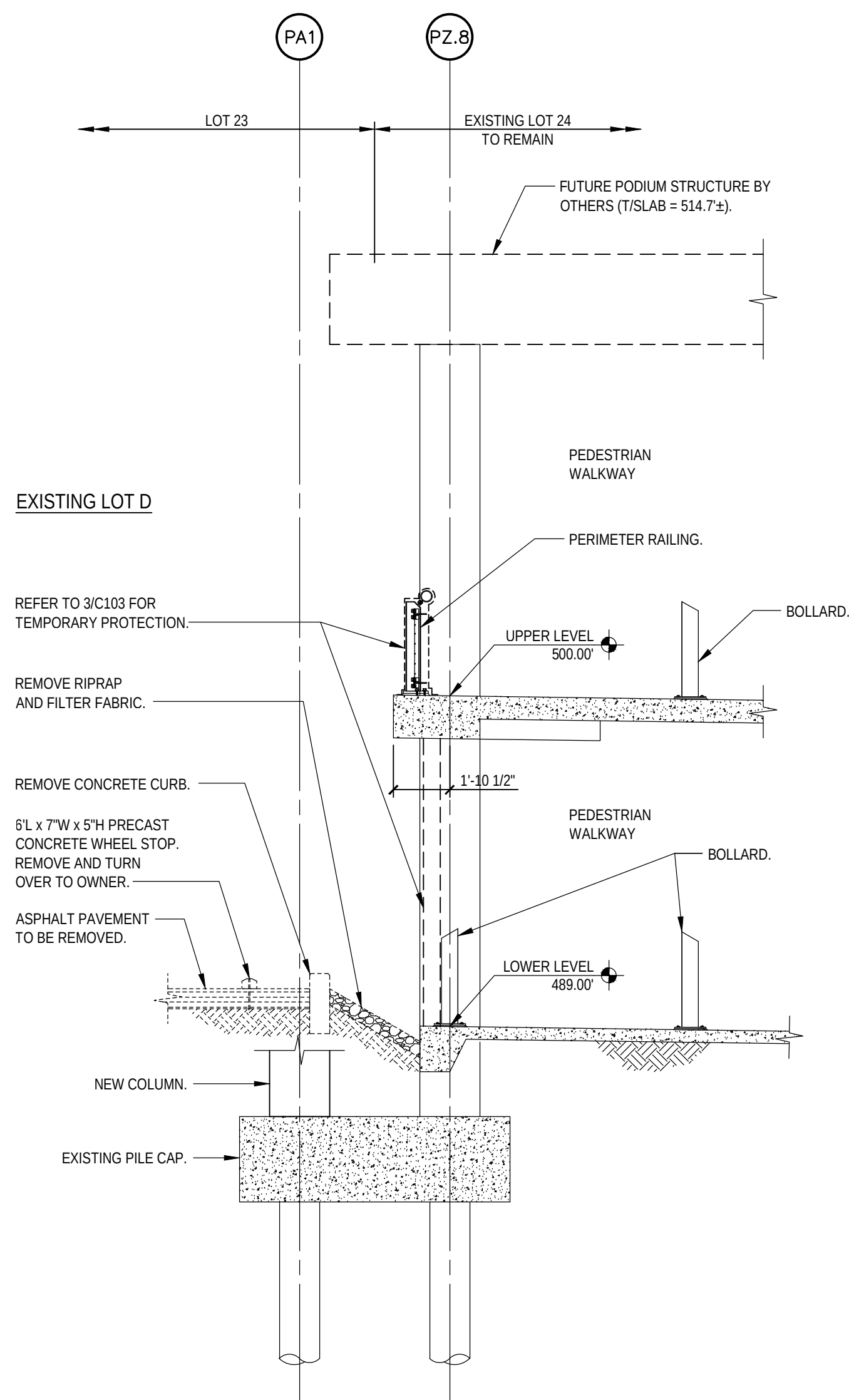
DRAWING NOTES:

1. PROVIDE AND MAINTAIN CONSTRUCTION SAFETY FENCE (FULL LENGTH OF CONSTRUCTION FENCE LINE). ADJUST FENCE LINE BASED ON PHASING AND AS DIRECTED BY CONSTRUCTION MANAGER.
2. PROVIDE (4) 24" WIDE, DOUBLE DOOR CONSTRUCTION ACCESS GATES. APPROXIMATE LOCATIONS SHOWN - COORDINATE EXACT LOCATIONS WITH CONSTRUCTION MANAGER.
3. REMOVE ALL PARKING BLOCKS, ASPHALT, BASE MATERIAL, AND SOIL DOWN TO TOP OF CAP ELEVATIONS INDICATED ON S101. PROVIDE NEAT SAWCUT ALONG EXISTING LOT D. COORDINATE SEQUENCING WITH CONSTRUCTION MANAGER.
4. EXISTING LOT 24 GARAGE STRUCTURE TO REMAIN. PROTECT THROUGHOUT DURATION OF PROJECT.
5. EXISTING MEHRING WAY TO REMAIN. PROTECT THROUGHOUT DURATION OF PROJECT.
6. EXISTING ELM STREET TO REMAIN. PROTECT THROUGHOUT DURATION OF PROJECT.
7. EXISTING WALL TO REMAIN. PROTECT THROUGHOUT DURATION OF PROJECT.
8. REMOVE EXISTING CURB (AND ASSOCIATED RIP-RAP OR GRAVEL, WHERE APPLICABLE).
9. PROTECT FROM DAMAGE AND MAINTAIN EXISTING SEWER, AND ASSOCIATED MANHOLES AND CATCH BASINS.
10. REMOVE, SALVAGE AND STORE EXISTING PARKING BOOTHS AND LOT SIGN AS DIRECTED BY OWNER AND CONSTRUCTION MANAGER. PARKING CONTROL EQUIPMENT SHALL BE DISCONNECTED AND REMOVED BY OWNER. DISCONNECT COMMUNICATION LINE AND POWER TO BOOTH PRIOR TO REMOVAL. COORDINATE REMOVAL WITH SEQUENCE OF CONSTRUCTION. REMOVE ASSOCIATED ISLANDS, CURBS, BOLLARDS, CONDUIT, PULL BOXES, ETC.
- PARKING BOOTH CIRCUIT INFO:
LOT D WEST MEHRING WAY BOOTHS: ELECTRICAL PANEL IN PBS ROOM CL 22.91 PL-PL-SITE-SE, CIRCUITS 22 & 24
11. REMOVE EXISTING ELECTRICAL AND/OR COMMUNICATION DUCTBANK FOR LOT D. COORDINATE REMOVAL WITH SEQUENCE OF CONSTRUCTION.
12. LOT 22 BANQUET CENTER LOADING DOCK ACCESS DRIVE AND PARK DEPT PARKING AREA. COORDINATE PROJECT WORK WITHIN THIS AREA WITH OWNER, PARK DEPT, AND CONSTRUCTION MANAGER TO MINIMIZE ACCESS DISRUPTIONS TO LOT 22 LOADING DOCK AREA.
13. EXISTING STAIR STRUCTURE TO REMAIN. DO NOT DAMAGE. MAINTAIN CONTINUOUS UNOBSTRUCTED ACCESS TO STAIRS FOR ENTIRE PROJECT DURATION.
14. EXTENTS OF NEW GARAGE STRUCTURE.
15. REMOVE EXISTING BOLLARDS AND CONCRETE BASE. SALVAGE REMOVABLE TYPE BOLLARDS AS DIRECTED BY OWNER.
16. EXISTING STORM, SANITARY, AND MASTER TRAP MANHOLES. PROTECT DURING CONSTRUCTION.
17. PARKING LOT D (WITHIN CONSTRUCTION FENCE): PROTECT ASPHALT SURFACE TO GREATEST EXTENT POSSIBLE. PROTECT AND MAINTAIN SITE LIGHTING AND OTHER UTILITIES. COORDINATE USE OF AREA WITH CONSTRUCTION MANAGER.
18. PROVIDE TEMPORARY PROTECTION AT PERIMETER OF LOT 24 GARAGE, LOWER LEVEL, PER DETAIL 3/103. ERECT PROTECTION BARRICADE BEFORE START OF ANY NEW WORK. PROVIDE (2) SETS OF DOUBLE DOORS WITH PAD-LOCKS INTO EXISTING LOT 24 GARAGE AS DIRECTED BY CONSTRUCTION MANAGER.
19. PARKING LOT D (OUTSIDE CONSTRUCTION FENCE): TO REMAIN OPEN AND OPERATIONAL THROUGHOUT DURATION OF PROJECT. PROTECT FROM DAMAGE ALL PAVING, DRAINS, LIGHTING, STAIRS, STRUCTURES, PARKING CONTROL EQUIPMENT AND OTHER UTILITIES, ETC. REPAIR OR REPLACE ANY DAMAGED ITEMS.
20. EXISTING LOT 22 LOADING DOCK INTAKE LOUVER. PROTECT WITH FILTRATION MEDIA AND MAINTAIN THROUGHOUT CONSTRUCTION. COORDINATE WITH CONSTRUCTION MANAGER AND LOT 22 OWNER (PARKS DEPARTMENT).
21. REMOVE EXISTING STREET LIGHT POLE, BASE, AND PULL BOX. TURN OVER TO CITY DOTE. REWORK POWER TO ADJACENT STREET LIGHTS.
22. EXISTING SITE LIGHTING TO BE REMOVED AND TURNED OVER TO OWNER. STORE AS DIRECTED BY CONSTRUCTION MANAGER AND OWNER. REMOVE LIGHT POLE BASE AND ASSOCIATED UNDERGROUND AND OVERHEAD WIRING. SEE DWG. ES100 ALSO.
23. EXISTING VINE STREET STAIR AND BANQUET CENTER TO REMAIN. PROTECT AND PROVIDE LOADING DOCK ACCESS THROUGHOUT DURATION OF PROJECT.
24. REMOVE EXISTING TREE AND TREE PIT. COORDINATE WITH CITY DOTE.
25. EXISTING UTILITY LINE AND RELATED FACILITIES (MANHOLES, PULL BOXES, VALVE PITS, DUCTBANK, CONDUIT, ETC). PROTECT THROUGHOUT DURATION OF PROJECT.
26. REMOVE PORTION OF EXISTING ISLAND. COORDINATE WITH CITY DOTE.
27. EXISTING FILLED AND ABANDONED SEWER LINE.
28. REMOVE EXISTING ISLANDS, CURBS, BOLLARDS, CONDUIT, PULL BOXES, ETC.
29. EDGE OF STREET STRUCTURE ABOVE.
30. EXISTING SIDEWALK TO REMAIN.
31. REMOVED OR ABANDONED UTILITIES AT SITE EDGE.
32. PROTECT AND MAINTAIN SITE LIGHTING IN PORTION OF LOT D TO REMAIN. LIGHTS ARE FED OVERHEAD FROM LOT B PARKING BOOTH, THEN UNDERGROUND FROM PANEL AT WEST END OF LOT B (PML-1, CIRCUITS 2, 4).
33. EXISTING ABANDONED 54" STORM SEWER (FROM MANHOLE IN LOT 23 NORTH).
34. EXISTING ABANDONED SEWER TO REMAIN.
35. NEW MANHOLE.
36. WORK AT EXISTING REGULATOR CHAMBER AT EXISTING 60" STORM LINE PERFORMED IN PREVIOUS BID PACKAGE.
37. DISCONNECT POWER TO EXISTING PARKING LOT LIGHTING TO BE REMOVED (AT PAUL BROWN STADIUM, ROOM SL15.51, PANEL HV/MC-SITE-SE, CIRCUITS 1, 3, 5, 2, 4, 6, 7, 8, 11).
38. TERMINATE DUCT BANK REMOVAL AT FACE OF MSE WALL.
39. EXISTING ELM STREET VEHICULAR RAILING TO REMAIN.
40. EXISTING WATER (HYDRANT) LINE, RISER, AND BOLLARDS TO REMAIN. PROTECT THROUGHOUT DURATION OF PROJECT.

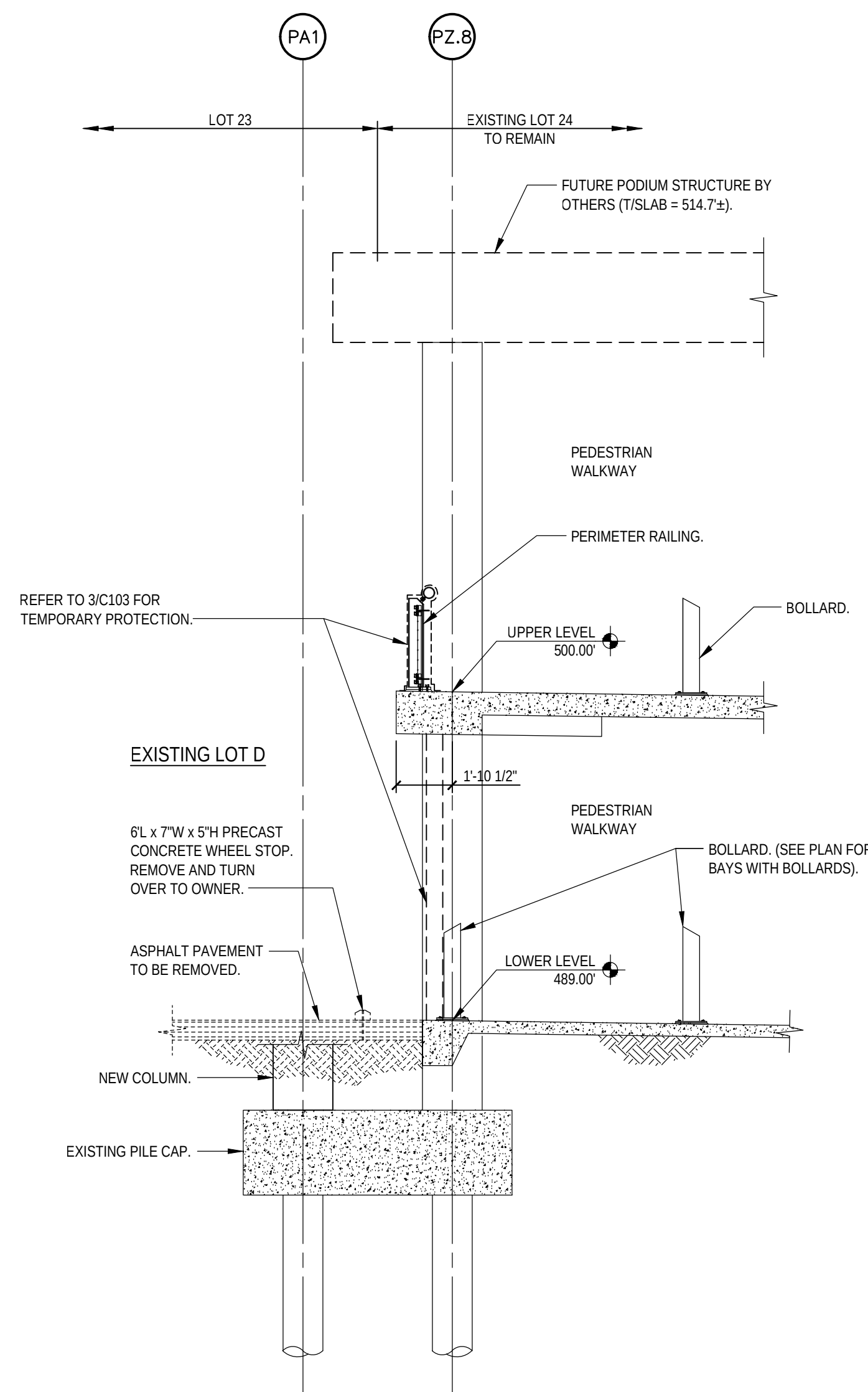
ELECTRICAL WORK GENERAL NOTES:

- A. WORK SHALL CONFORM TO THE NATIONAL ELECTRIC CODE, NATIONAL ELECTRIC SAFETY CODE AND OTHER APPLICABLE LOCAL, STATE, AND FEDERAL LAWS, ORDINANCES AND REGULATIONS.
- B. ALL ELECTRICAL WORK SHALL BE INSPECTED AND APPROVED BY THE LOCAL JURISDICTION AUTHORITY. (CITY OF CINCINNATI, IBI, ETC.)
- C. ELECTRICAL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR IN ACCORDANCE WITH THE REQUIREMENTS OF THIS JURISDICTION.
- D. ALL ELECTRICAL EQUIPMENT AND WIRING SHALL BEAR THE UNDERWRITERS LABORATORIES, INC. LABEL WHERE UL LABELED ITEMS ARE AVAILABLE, AND SHALL COMPLY WITH NEC (NFPA-70) AND NFPA REQUIREMENTS.
- E. PROVIDE OWNER CERTIFICATES OF APPROVAL FROM GOVERNING INSPECTION AGENCIES AS A CONDITION FOR FINAL PAVEMENT.

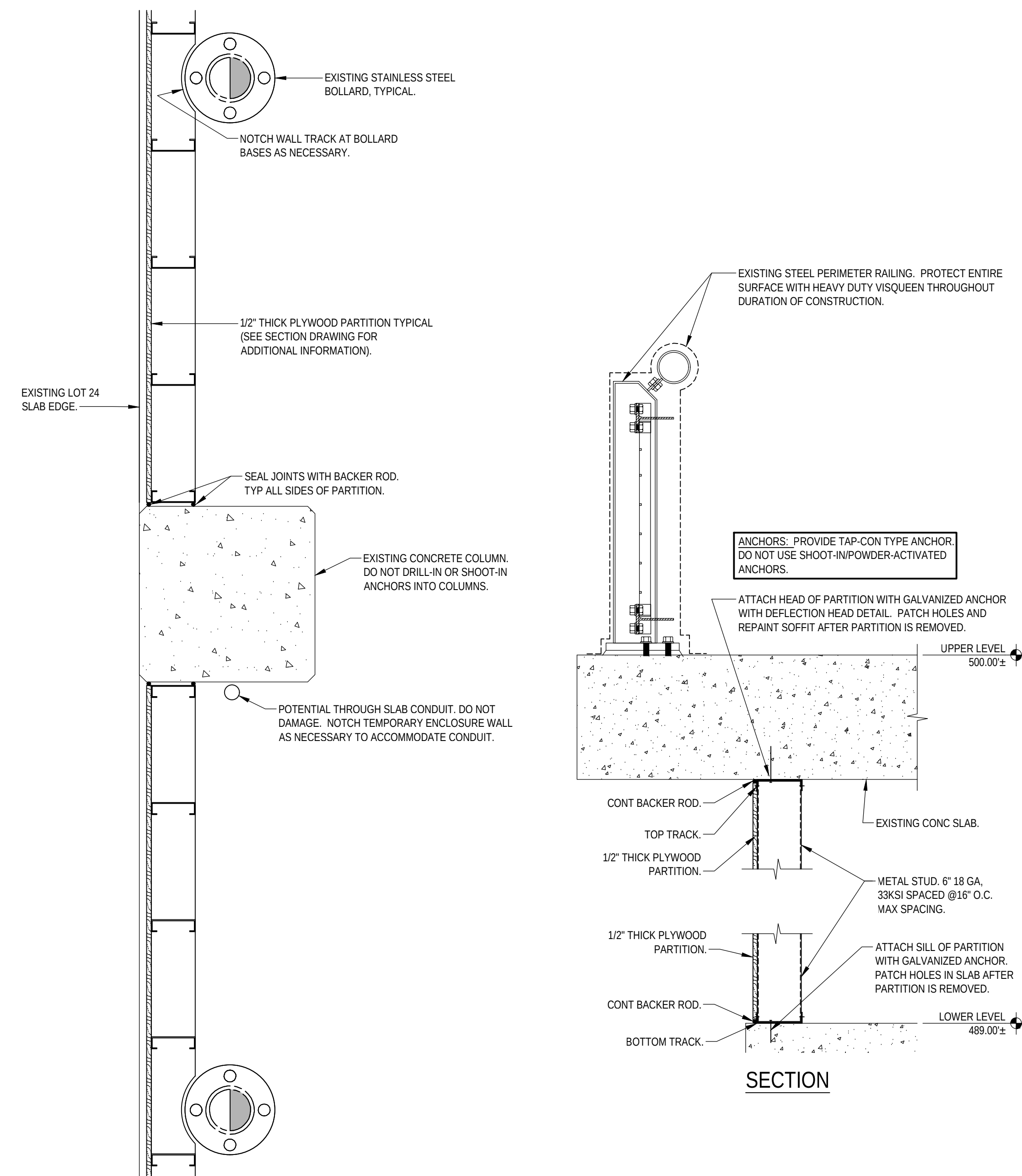




1 SECTION
C103 1/4" = 1'-0"

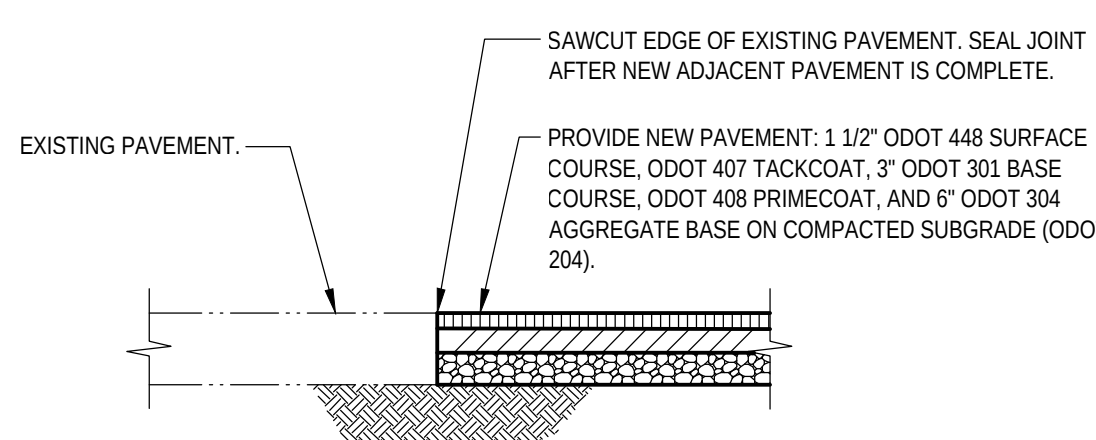


2 SECTION
C103 1/4" = 1'-0"

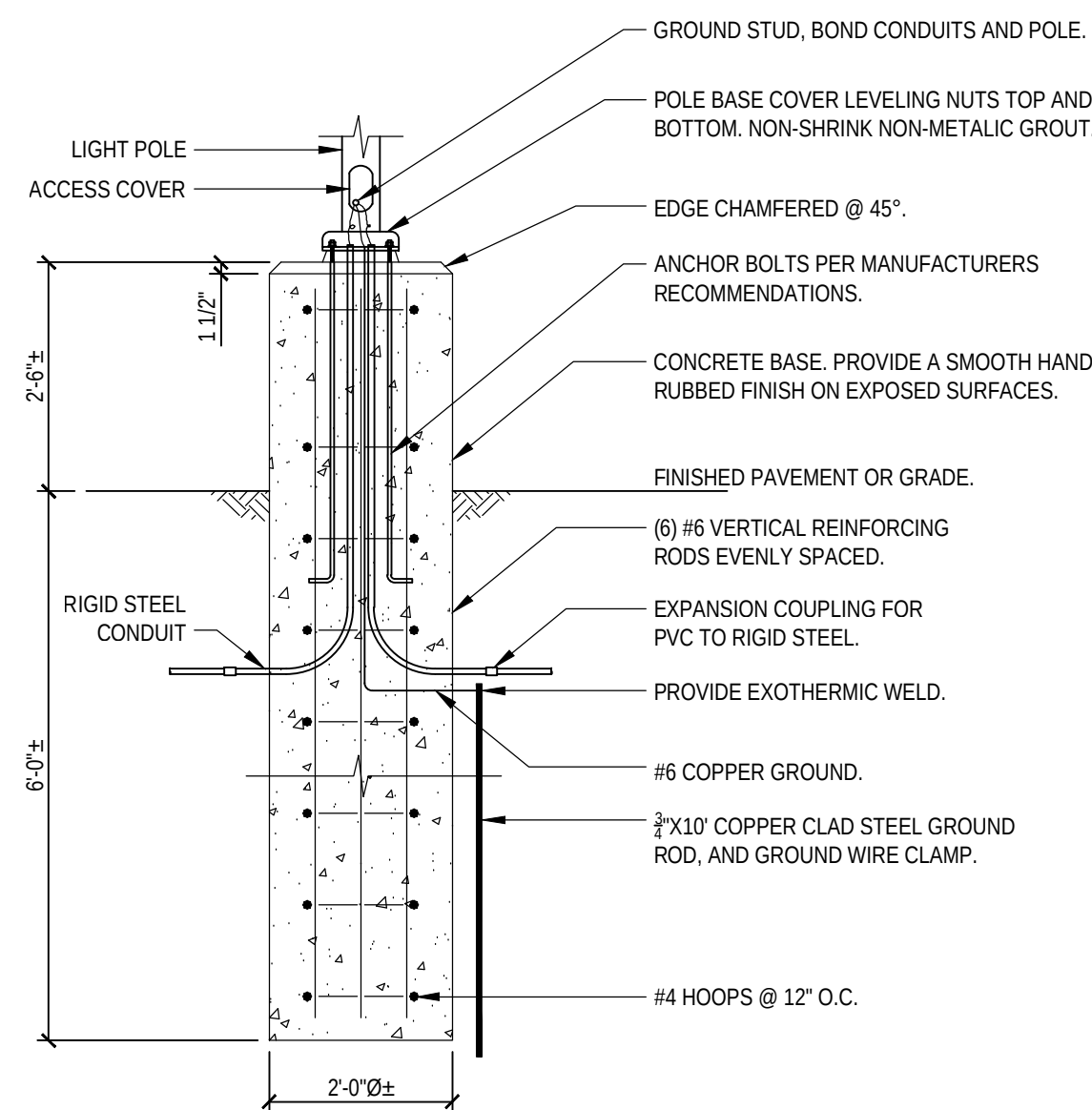


LOWER LEVEL PLAN

3 TEMPORARY PROTECTION DETAIL
C103 1" = 1'-0"



5 ASPHALT REPAIR TYPICAL SECTION
C103 1/2" = 1'-0"



6 EXISTING LIGHTPOLE BASE (FOR INFORMATION ONLY) TYPICAL SECTION
C103 1/2" = 1'-0"



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C103

EROSION CONTROL SHALL CONSIST OF TEMPORARY CONTROL MEASURES AS DETAILED ON THE PLANS OR ORDERED BY THE GOVERNING AGENCY DURING THE LIFE OF THE CONTRACT TO CONTROL SOIL EROSION AND SEDIMENTATION THROUGH USE OF EROSION CONTROL BEST MANAGEMENT PRACTICES (BMP'S).

SEDIMENT PONDS, SEDIMENT TRAPS, AND PERIMETER SEDIMENT CONTROLS, SHALL BE IMPLEMENTED AS THE FIRST STEP OF GRADING AND WITHIN SEVEN (7) DAYS FROM THE START OF GRUBBING. THEY SHALL CONTINUE TO FUNCTION UNTIL DISTURBED AREAS ARE RE-ESTABLISHED WITH TEMPORARY VEGETATION. NO SEDIMENT CONTROLS SHALL BE PLACED IN A STREAM.

TRENCH DEWATERING OR DEWATERING GROUND WATER, WHICH CONTAINS SEDIMENT SHALL PASS THROUGH A SEDIMENT SETTLING POND OR EQUALLY EFFECTIVE SEDIMENT CONTROL DEVICE. ALTERNATIVES MAY INCLUDE DEWATERING INTO SUMP PIT, FILTER BAG OR EXISTING VEGETATED UPSLOPE AREA. SEDIMENT LADEN WATER SHALL NOT BE DISCHARGED TO STREAMS OR THE STORM SEWER SYSTEM.

CEMENT WASH WATER SHALL NOT BE ALLOWED TO FLOW TO STREAMS, DITCHES, STORM DRAINS, OR ANY OTHER WATER CONVEYANCE. ALL WASH WATER SHALL BE COLLECTED IN AN APPROVED, DESIGNATED LOCATION.

CONTAINERS SHALL BE PROVIDED FOR COLLECTION OF ALL WASTE MATERIAL INCLUDING CONSTRUCTION DEBRIS, TRASH, PETROLEUM PRODUCTS AND ANY HAZARDOUS MATERIALS TO BE USED ON-SITE. ALL WASTE MATERIAL SHALL BE DISPOSED OF AT FACILITIES APPROVED FOR THAT MATERIAL.

THESE NOTES AND DRAWINGS ARE INTENDED TO SERVE AS BASIC GUIDELINES. ALL EROSION CONTROL PRACTICES SHALL MEET THE STANDARDS AND SPECIFICATIONS OF THE ODN RAINWATER AND LAND DEVELOPMENT MANUAL.

ADDITIONAL EROSION CONTROL BMPs MAY BE MANDATED BY THE GOVERNING AGENCY AT ANY TIME DURING THIS PROJECT AS UNFORESEEN SITUATIONS MAY ARISE THAT WARRANT FURTHER EROSION AND SEDIMENT CONTROL PRACTICES.

CLEARING AND GRADING:
LIMITS OF CLEARING AND GRADING SHALL BE CLEARLY MARKED ON SITE WITH SIGNAGE,
FLAGGING AND/OR CONSTRUCTION FENCING.

THE CONTRACTOR SHALL LIMIT THE SURFACE AREA OF ERODIBLE EARTH MATERIAL EXPOSED BY EXCAVATION, BORROW, AND FILL OPERATIONS AND PROVIDE IMMEDIATE PERMANENT OR TEMPORARY CONTROL MEASURES TO PREVENT CONTAMINATION OF ADJACENT STREAMS OR OTHER WATER COURSES, LAKES, PONDS, WETLANDS OR OTHER AREAS OF WATER IMPOUNDMENT.

OFF-SITE TRACKING:
CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT ALL INGRESS AND EGRESS LOCATIONS TO ELIMINATE OFF-SITE VEHICLE TRACKING OF SEDIMENTS. SEDIMENTS SHALL BE REMOVED FROM ROADWAYS DAILY.

DISTURBED AREAS THAT WILL REMAIN INACTIVE FOR A PERIOD OF TWENTY-ONE (21) DAYS OR LONGER SHALL BE STABILIZED WITH SEEDING AND MULCHING, OR OTHER APPROPRIATE MEANS, WITHIN SEVEN (7) DAYS AFTER EARTH MOVING CEASES. PERMANENT SOILS STABILIZATION SHALL BE INSTALLED WITHIN SEVEN (7) DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE.

STABILIZE AREAS WITHIN FIFTY (50) FEET OF ANY STREAM OR WETLAND WITHIN TWO (2) DAYS ON ALL INACTIVE DISTURBED AREAS THAT WILL REMAIN INACTIVE FOR FOURTEEN (14) DAYS OR LONGER.

MAINTENANCE:
THE CONTRACTOR SHALL BE RESPONSIBLE FOR EROSION CONTROL MAINTENANCE AND INSPECTIONS ON A WEEKLY BASIS AND AFTER ALL RAIN EVENTS PRODUCING 1/2" OF RAIN PER 24 HOURS. A WRITTEN RECORD DOCUMENTING THE RESULTS OF THESE INSPECTIONS MUST BE CREATED AND MAINTAINED WITH THE SWP3.

CONTRACTOR SHALL COMPLY WITH THE MAINTENANCE SCHEDULE INCLUDED IN THE APPROVED PLANS FOR THE PROPOSED EROSION CONTROLS. A WRITTEN DOCUMENT CONTAINING THE SIGNATURES OF ALL CONTRACTORS AND SUB-CONTRACTORS INVOLVED IN THE IMPLEMENTATION OF THE SWP3 MUST BE MAINTAINED AS PROOF ACKNOWLEDGING THAT THEY REVIEWED AND UNDERSTAND THE CONDITIONS AND RESPONSIBILITIES OF THE SWP3.



THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE THE INLET DRAINS IN A RELATIVELY FLAT AREA (SLOPE NOT GREATER THAN 5%) WHERE THE INLET SHEET OF OVERLAND FLOWS (NOT EXCEEDING 1 C.F.S.) ARE TYPICAL. THE METHOD SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS, SUCH AS IN STREET OR HIGHWAY MEDIANS.

NOTES:

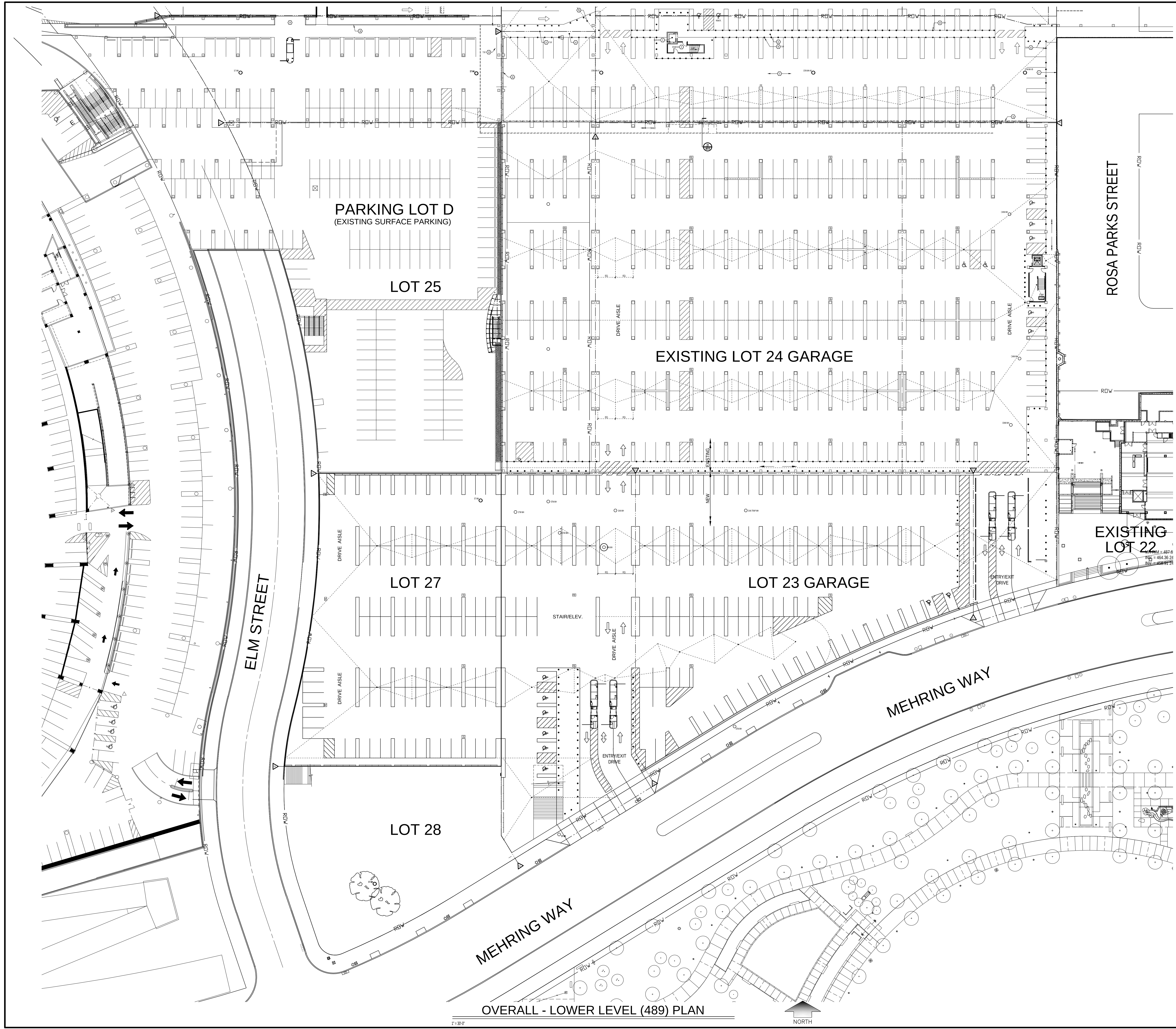
1. THE GEOTEXTILE FABRIC SHALL BE PLACED IN THE EXCAVATED TRENCH, BACKFILLED, AND COMPACTED TO THE EXISTING GROUND SURFACE.
2. WOODEN SUPPORT POSTS SHALL BE A MINIMUM DIMENSION OF 2" X 2" (NOMINAL) SOFT WOOD OR 1-1/8" X 1-1/8" AIR OR KILN DRIED FIRS OF HICKORY OR OAK. STEEL POSTS SHALL BE STUDDED "TEE" OR "U" TYPE WITH A MINIMUM WEIGHT OF 13 POUNDS PER LINEAL FOOT. POST SPACING SHALL BE A MAXIMUM OF 6 FEET.
3. THE GEOTEXTILE FABRIC SHALL BE ATTACHED DIRECTLY TO THE UPSLOPE SIDE OF WOODEN POSTS WITH WIRE STAPLES IN AT LEAST 3 PLACES, OR WITH WOODEN NAILS AND NAILS. ATTACHMENT TO STEEL POSTS WILL BE BY WIRE FASTENERS OR PLASTIC STRAPS.
4. A WIRE SUPPORT POST MAY BE INSTALLED TO WHICH THE GEOTEXTILE FABRIC IS ATTACHED. THE WIRE SHALL BE A MINIMUM OF 14-1/2 GAGE WOVEN WIRE WITH A MAXIMUM MESH SPACING OF 6 INCHES. POST SPACING SHALL BE A MAXIMUM OF 10 FEET. THE GEOTEXTILE FABRIC SHALL BE FOLDED 3 INCHES OVER THE WIRE FACE AND SECURED WITH STAPLES OR WIRE RINGS SPACED AT 12 INCHES.
5. THE GEOTEXTILE FABRIC SHALL CONSIST OF EITHER WOVEN OR NON-WOVEN POLYESTER, POLYPROPYLENE, STABILIZED POLYETHYLENE, POLYVINYLIDENE CHLORIDE. NON-WOVEN FABRIC MAY BE NEEDLE PUNCHED, HEAT BONDED, RESIN BONDED, OR COMBINATIONS THEREOF. ALL FABRIC MUST MEET THE FOLLOWING REQUIREMENTS:

TEST REQUIREMENT	METHOD	VALUE *
MINIMUM GRAB TENSILE STRENGTH IN THE MACHINE DIRECTION	ASTM D 4632	120 LBS.
MINIMUM GRAB TENSILE STRENGTH IN THE CROSS MACHINE DIRECTION	ASTM D 4632	100 LBS.
MAXIMUM APPARENT OPENING SIZE EQUIVALENT STANDARD SIEVE	ASTM D 4751	NO. 30
MINIMUM PERMITTIVITY	ASTM D 4491	0.05 SEC ⁻¹
MINIMUM ULTRAVIOLET STABILITY PERCENTAGE OF STRENGTH RETAINED 500 HOURS OF EXPOSURE	ASTM D 4355	70%

* ALL NUMERICAL VALUES REPRESENT MINIMUM/MAXIMUM AVERAGE ROLL VALUES. (FOR EXAMPLE, THE AVERAGE OF MINIMUM TEST RESULTS ON ANY ROLL IN A LOT SHOULD MEET OR EXCEED THE MINIMUM SPECIFIED VALUES.)

BILL OF MATERIALS	
ITEM	QUANTITY
SUPPORT POSTS (4' MIN. LENGTH)	_____ OR _____ WITH SUPPORT FENCE
GEOTEXTILE	_____ FT.
WIRE SUPPORT FENCE	_____ FT.
FASTENERS	AS REQUIRED

 NRCS Natural Resources Conservation Service United States Department of Agriculture	SILT FENCE		Date _____ Designed _____ Drawn _____ Checked _____ Approved _____	File Name: Do W-707 6/ Page 2 of Sheet XX of
	CLIENT: _____ COUNTY: _____			



OVERALL - LOWER LEVEL (489) PLAN

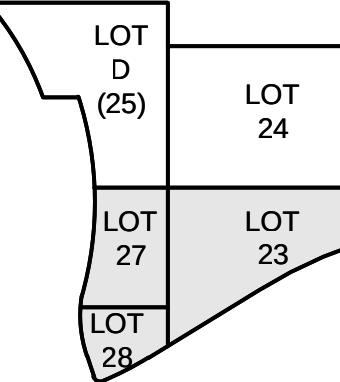


HAMILTON COUNTY
RIVERFRONT PARKING
AND INFRASTRUCTURE
IMPROVEMENTS



THP Limited, Inc.
Consulting Engineers
100 East Eighth Street
Cincinnati, Ohio 45202
Phone: (513) 241-9222
Fax: (513) 241-2981

ISSUES
1 3/4/2019 3RD PACKAGE #1



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

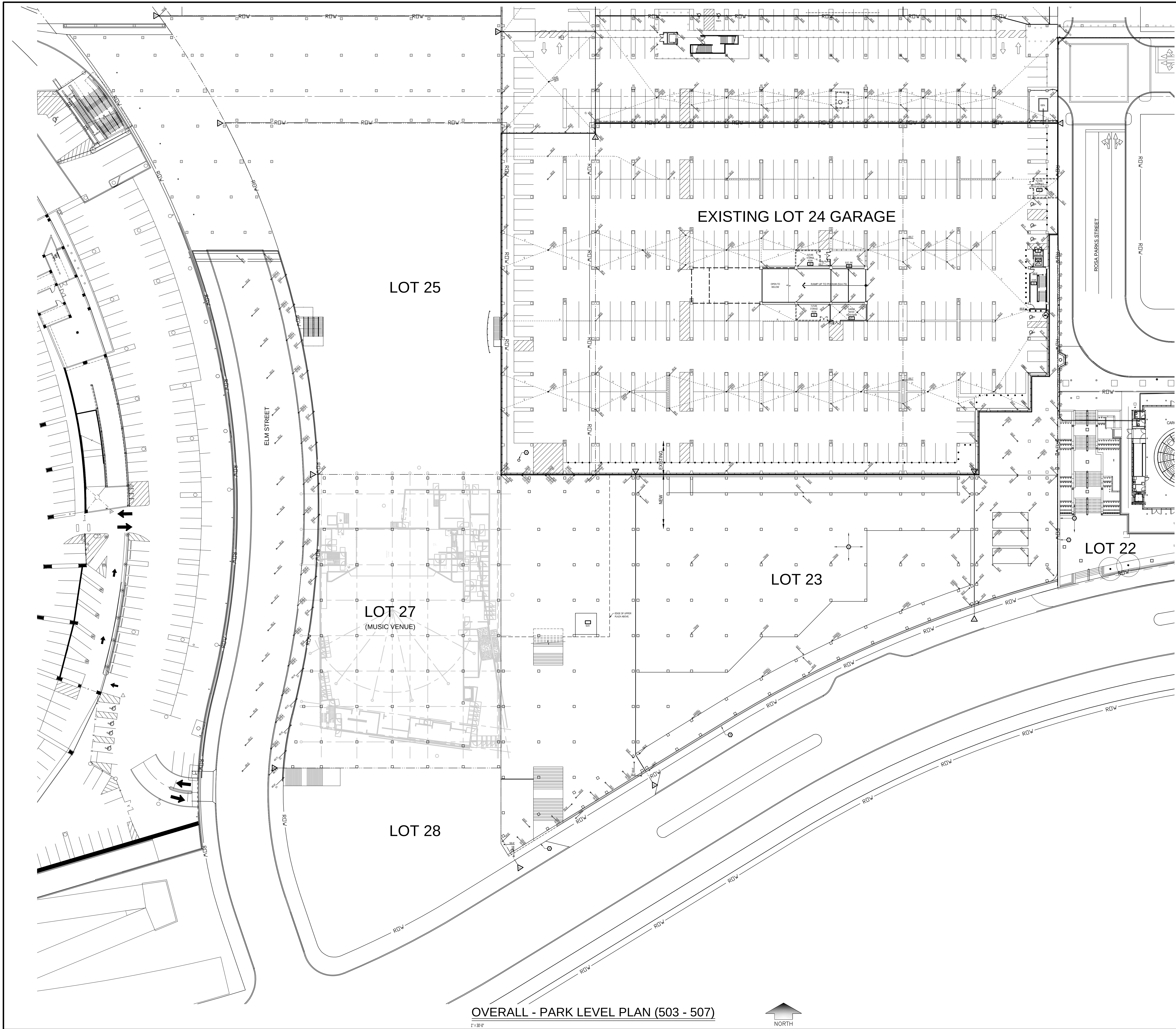
THE BANKS
PHASE 3B

LOT 23/27 GARAGE &
RACE ST. TURNAROUND

DRAWING TITLE
OVERALL LOWER LEVEL
(489) PLAN

JOB NUMBER DATE
98090.38 3/4/2019
DRAWING NUMBER

FOR REFERENCE ONLY



OVERALL - PARK LEVEL PLAN (503 - 507)

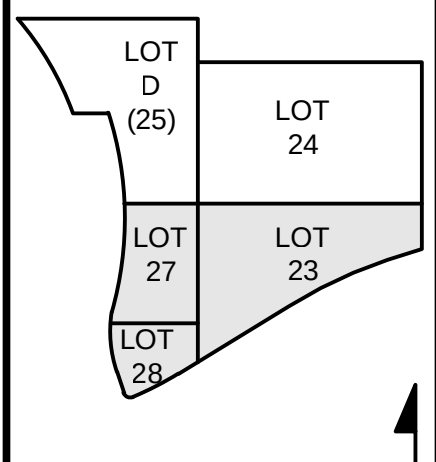


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NO.	DATE	DESCRIPTION
1	3/4/2019	BID PACKAGE #1



LOT 22
LOT 23
LOT 24
LOT 25
LOT 26
LOT 27
LOT 28

DRAWN BY: P.A.B.

ENGINEER: M.S.M.

CHECKED BY: M.L.H.

THE BANKS
PHASE 3B

LOT 23/27 GARAGE &
RACE ST. TURNAROUND

DRAWING TITLE
OVERALL PARK LEVEL
(503-507) PLAN

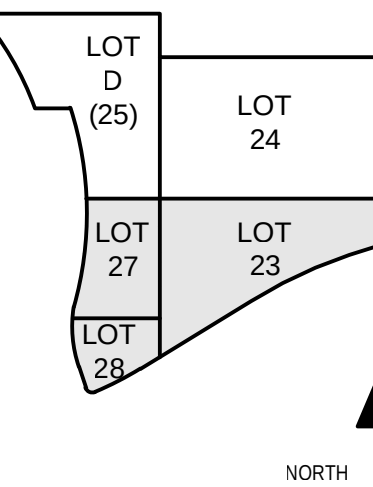
JOB NUMBER
98090.38

DATE
3/4/2019

DRAWING NUMBER

FOR REFERENCE ONLY

A102

[illegible]

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

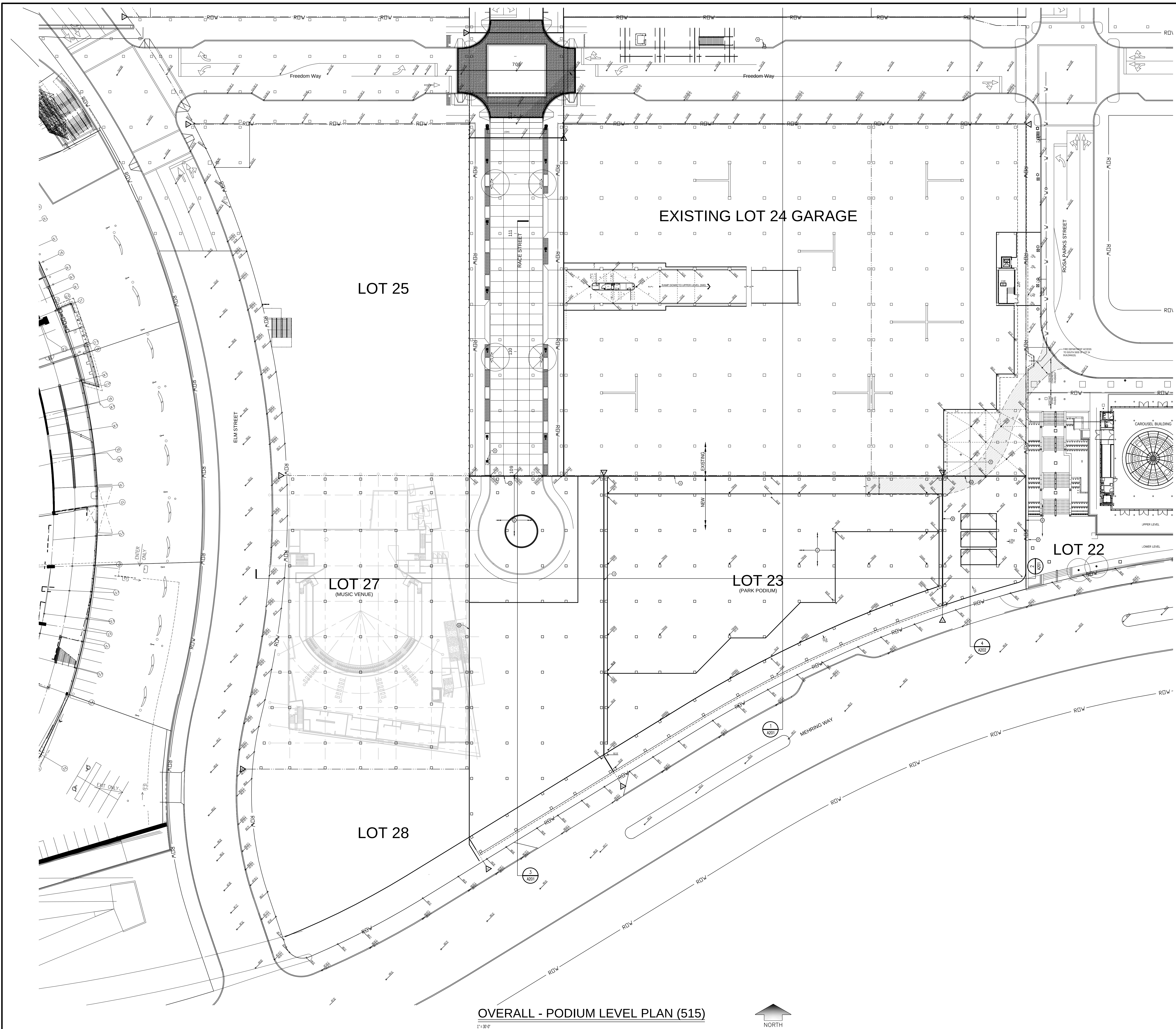
THE BANKS
PHASE 3B

LOT 23/27 GARAGE &
RACE ST. TURNAROUND

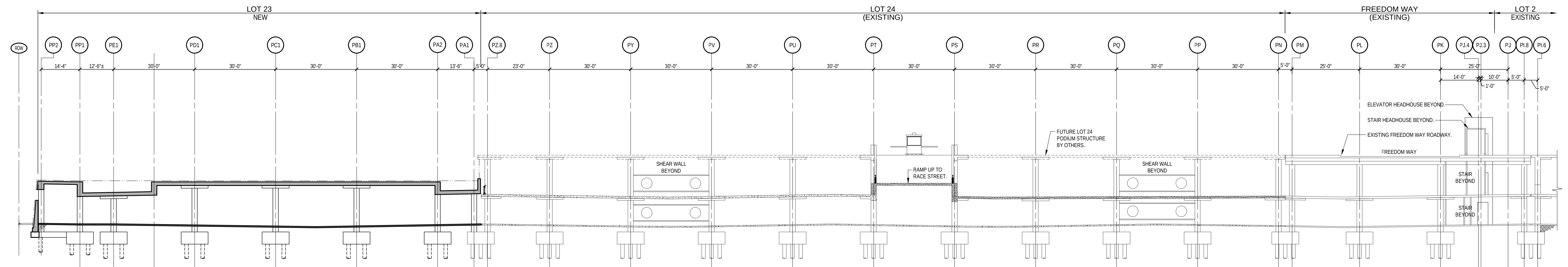
OVERALL PODIUM LEVEL
(515) PARKING PLAN

B NUMBER	DATE
8090.38	3/4/2019
DRAWING NUMBER	

A103



FOR REFERENCE ONLY

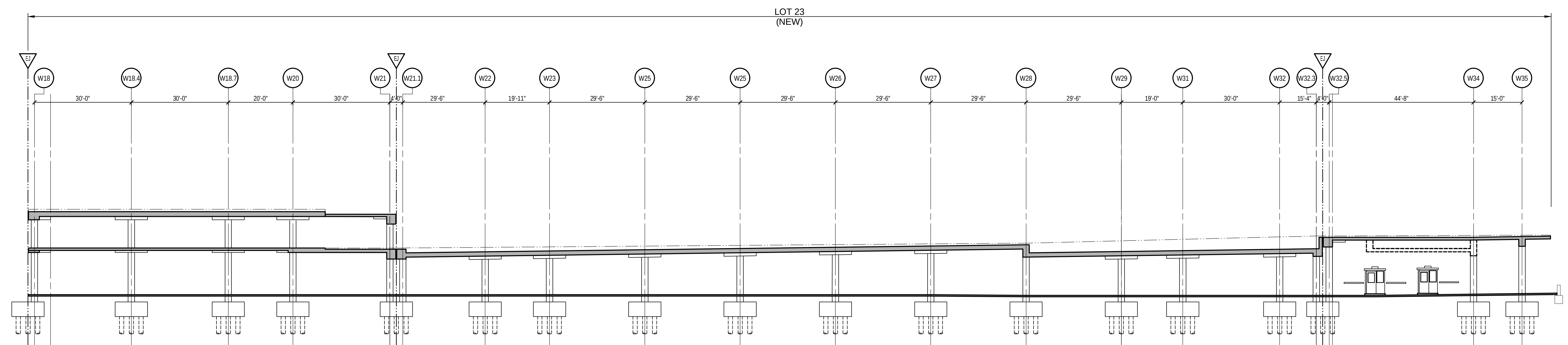


1
A201

LOOKING WEST BETWEEN W26 AND W27

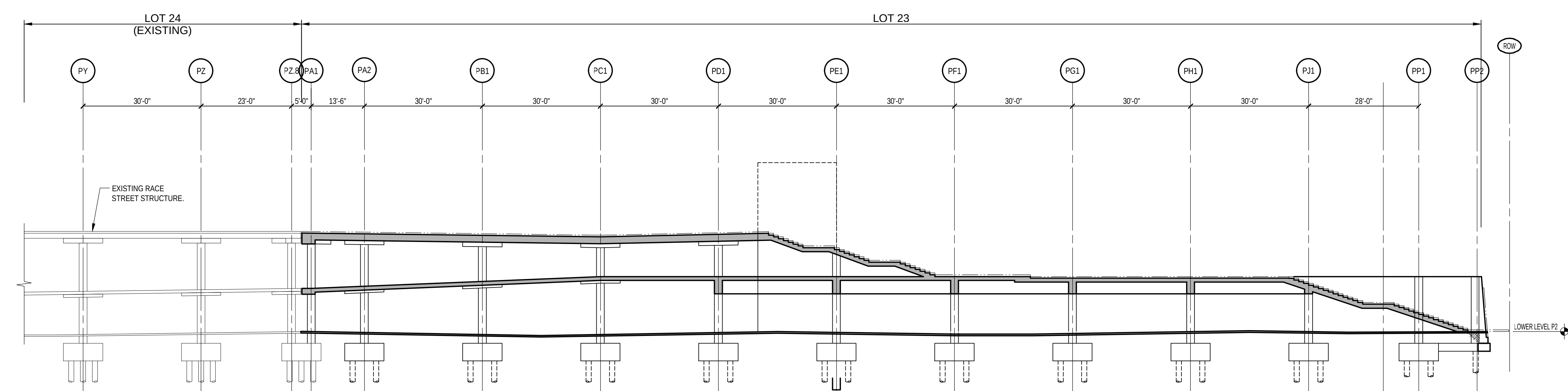
BUILDING SECTION

1/16" = 1'-0"



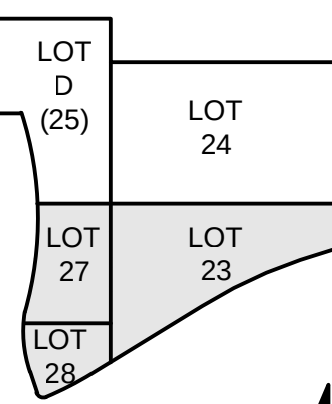
2
A201

LOOKING NORTH AT PC1
BUILDING SECTION
1/16" = 1'-0"



3
A201

LOOKING EAST BETWEEN W18.4 AND W18.7
BUILDING SECTION
1/16" = 1'-0"



P A B

M.S.M

BY: M.L.H.

THE BANKS
PHASE 3B

OT 23/27 GARAGE &
E ST. TURNAROUND

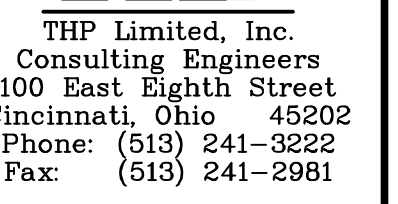
BUILDING SECTIONS

BER	DATE
0.38	3/4/2019

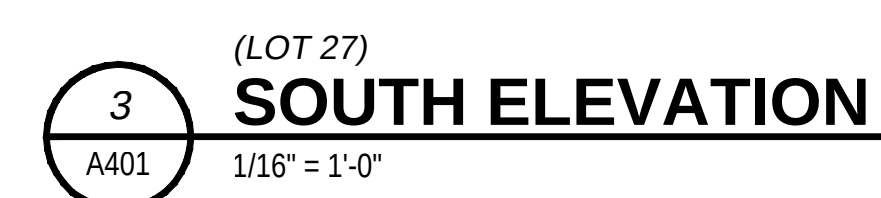
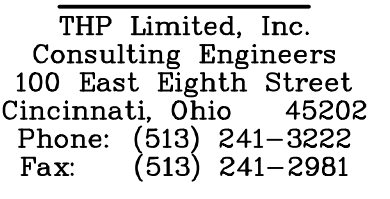
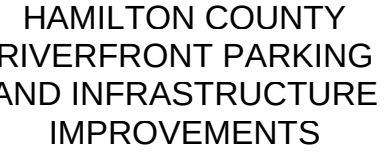
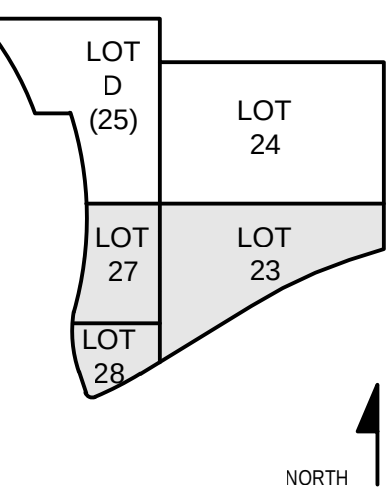
G NUMBER

FOR REFERENCE ONLY

A201

A202

FOR REFERENCE ONLY

[illegible]

DESIGNED BY:	P.A.B.
CHECKED BY:	M.S.M.
APPROVED BY:	M.L.H.

THE BANKS
PHASE 3B

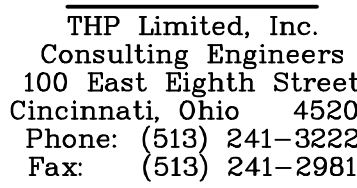
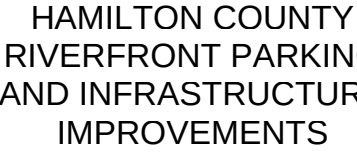
LOT 23/27 GARAGE &
RACE ST. TURNAROUND

**BUILDING
ELEVATIONS**

B NUMBER	DATE
8090.38	3/4/2019
AWING NUMBER	

FOR REFERENCE ONLY

A401

[illegible]

LOT
D
(25)

LOT
24

LOT
27

LOT
28

LOT
23

NORTH

M.S.

THE BANKS

THE BANKS
PHASE 3B

LOT 23/27 GARAGE &
RACE ST. TURNAROUND

GENERAL
NOTES

[illegible]

8090.38 3/4/20

DRAWING NUMBER

600

S00

A. CODES AND SPECIFICATIONS

1. CINCINNATI, OHIO BUILDING CODE, 2017.
2. ACI 318-14 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE.
3. ACI 301-16 STANDARD SPECIFICATIONS FOR STRUCTURAL CONCRETE.
4. ANSIAISC 303-16 CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES AS MODIFIED BY THE CONSTRUCTION DOCUMENTS.
5. ANSIAAWS - STRUCTURAL WELDING CODE - STEEL D1.1.

1. THE FOUNDATION DESIGN IS BASED UPON THE RECOMMENDATIONS INCLUDED IN THE GEOTECHNICAL INVESTIGATION PREPARED BY TERRACON, DATED MARCH 10, 2015.
2. FOUNDATION ELEVATIONS SHOWN ARE ESTIMATED AND ARE FOR BIDDING PURPOSES ONLY, AND MAY VARY TO SUIT SATISFACTORY SOIL CONDITIONS.
3. FOUNDATIONS DESIGNED FOR 12" DIAMETER, AUGERED, CAST-IN-PLACE CONCRETE PILES WITH MINIMUM 125 TON CAPACITY.
4. REINFORCE ALL PILES PER SECTION A ON DRAWING S301.
5. ESTIMATED DESIGN TIP TILT ELEVATION AS SHOWN ON PLAN. FINAL TIP ELEVATION TO BE FIELD VERIFIED BY GEOTECHNICAL ENGINEER.
6. PILE LOAD TESTS ARE REQUIRED TO VERIFY PILE CAPACITY AND TIP ELEVATIONS. REFER TO PROJECT SPECIFICATIONS.
7. SET COLUMN DOWELS WITH TEMPLATE PRIOR TO CONCRETING.

1. CONCRETE STRENGTHS:
 - a. 4500 PSI: PILE CAPS AND GRADE BEAMS.
 - b. 5000 PSI (AE) LOT 2 PODIUM SLAB WITH MEMBRANE PROTECTION, SLABS ON GRADE, WALLS, RAILS, EXTERIOR TOPPING SLABS, AND OTHER CONCRETE WITH EXTERIOR EXPOSURE.
 - c. 5000 PSI (AE) WITH SILICA FUME: COLUMNS SUPPORTING LOT 2. SEE COLUMN SCHEDULE ON S501.
 - d. 5000 PSI (AE) WITH SILICA FUME AND CORROSION INHIBITOR: ELEVATED GARAGE SLABS AND BEAMS.
 - e. 1500 PSI: BACKFILL CONCRETE.
2. PROVIDE 3/4" BEVELS AT CORNERS OF ALL COLUMNS, EDGES OF EXPOSED BEAMS AND SLABS, AND TOP EDGES AND CORNERS OF EXPOSED WALLS.
3. LENGTH OF SLAB JOINT FROM CONSTRUCTION JOINTS SHALL NOT EXCEED 120 FEET. MAXIMUM AREA OF SLAB JOINTS NOT TO EXCEED 14,000 SF.
4. JOINTS NOT INDICATED ON STRUCTURAL DRAWINGS ARE NOT PERMITTED UNLESS APPROVED BY STRUCTURAL ENGINEER. LOCATIONS OF ALL CONSTRUCTION JOINTS TO BE SUBMITTED TO STRUCTURAL ENGINEER FOR APPROVAL.
5. PERMANENT LOADS, SUCH AS MASONRY WALLS, SHALL NOT BE PLACED ON SUPPORTED SLABS UNTIL CONCRETE HAS REACHED SPECIFIED STRENGTH AND ALL SHORING HAS BEEN REMOVED.
6. PLACE NO OPENINGS, SLEEVES, INSERTS, ETC. IN CONCRETE WORK UNLESS CRITERIA INDICATED ON STRUCTURAL DRAWINGS IS MET, OR IS APPROVED IN WRITING BY THE STRUCTURAL ENGINEER. METAL SLEEVES OR CONDUIT ARE NOT PERMITTED IN PARKING DECKS AND PODIUM LEVEL EXTERIOR AND SERVICE DRIVE SLABS.

1. ALL REINFORCING: 60 KSI YIELD.
2. PROVIDE CLASS "B" TENSION SPLICES UNLESS OTHERWISE NOTED.
3. CLEARANCES BETWEEN REINFORCING BARS AND CONCRETE SURFACES SHALL BE AT MINIMUM UNLESS OTHERWISE NOTED. PROVIDE SPACERS ON OUTER LAYERS OF WALL REINFORCING TO MAINTAIN SPECIFIED COVER.
4. PROVIDE EPOXY COATED REINFORCING FOR ALL BARS FULLY OR PARTIALLY EMBEDDED IN SLABS AND BEAMS OF ELEVATED PARKING DECKS AND PODIUM LEVEL. EXTERIOR SLAB WITHOUT MEMBRANE PROTECTION, ALL COLUMNS, AND OTHER BARS AS NOTED.
5. PROVIDE MATERIAL AND PLACEMENT OF ONE AND ONE HALF (1.5) TONS CONTINGENCY STEEL. SIZE OF BARS TO BE MIXED. BARS ARE TO BE CUT, BENT AND PLACED AS DIRECTED BY THE ENGINEER. BARS ARE TO BE EPOXY COATED.

5. LOADS ARE TO BE DISTRIBUTED TO THE STRUCTURE IN A MANNER THAT DOES NOT EXCEED THE LOAD ALLOWANCES NOTED UNDER DESIGN LOADS. ANCHORS ARE TO HAVE AN ULTIMATE SAFETY FACTOR OF AT LEAST 4.0.

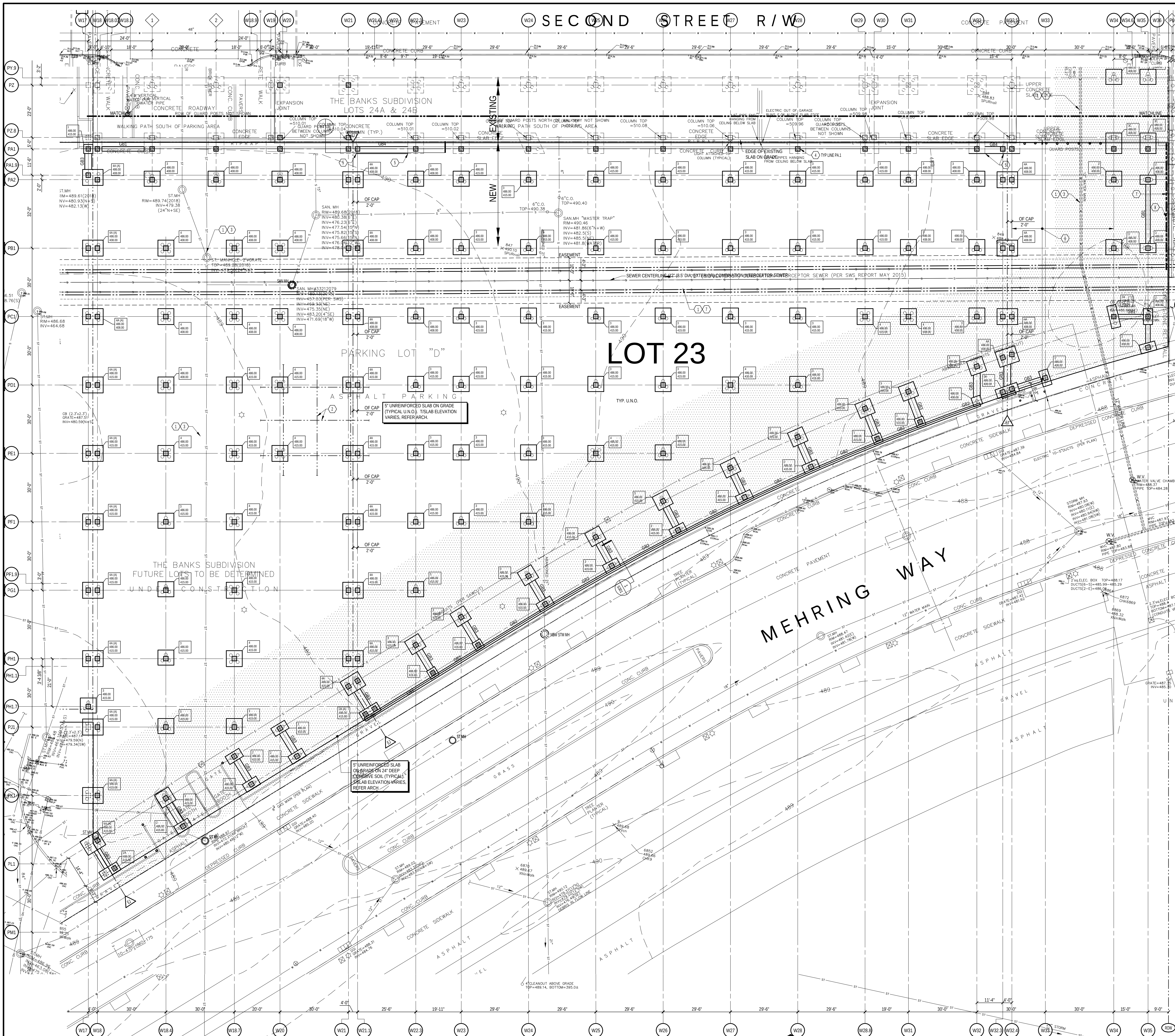
1. FIELD VERIFY EXISTING DIMENSIONS AND ELEVATIONS WHICH AFFECT FABRICATION PRIOR TO SUBMITTAL OF SHOP DRAWINGS AND FABRICATION.
2. REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR ADDITIONAL EMBEDDED ITEMS, SLEEVES, FLOOR PITCHES, FILLS AND DEPRESSIONS.
3. STRUCTURAL FRAMING PLANS ARE TYPICALLY DRAWN AS REFLECTED PLANS SHOWING BEAMS, WALLS, AND COLUMNS ON THE UNDERSIDE OF THE SLAB SHOWN.
4. ALL FRAMING MEMBERS PROVIDED FOR MECHANICAL TRAYS, ELEVATOR SUPPORT BEAMS, UNTELS, MECHANICAL OPENINGS, ETC. ARE FOR BIDDING PURPOSES ONLY. SUBMIT MANUFACTURER'S DATA FOR THE PROPOSED EQUIPMENT TO STRUCTURAL ENGINEER PRIOR TO SUBMITTAL OF SHOP DRAWINGS FOR VERIFICATION OR REDESIGN OF SUPPORTS.
5. PIPE AND CONDUIT PENETRATIONS ARE TO BE SLEEVED WHEREVER POSSIBLE. CORD DOLLING OF BEAMS AND COLUMNS IS NOT PERMITTED. CORD DOLLING OF SLABS AND WALLS IS NOT PERMITTED WITHOUT THE WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER.

1. BRACE ENTIRE STRUCTURE AS REQUIRED TO MAINTAIN STABILITY UNTIL COMPLETE AND FUNCTIONING AS THE DESIGNED UNIT.
2. DO NOT BACKFILL FLOORS WALLS SPANNING BETWEEN BASEMENT SLABS AND STRUCTURAL FLOORS UNTIL SUPPORTING SLABS ARE IN PLACE.
3. BRACE WALLS WHICH ARE TIED TO SLAB ON GRADE FOR TOP LATERAL SUPPORT BEFORE BACKFILLING AND UNTIL SLAB ON GRADE HAS BEEN GIVEN SPECIFIED STRENGTH.
4. WHERE BASES OF VARIOUS TYPES FRAME INTO A COLUMN, PROVIDE A CONSTRUCTION JOINT AT THE BOTTOM OF THE LOWEST BEAM.
5. VERIFY EXACT SIZE AND LOCATION OF ALL WALL, FLOOR, AND ROOF OPENINGS PRIOR TO SUBMISSION OF SHOP DRAWINGS. SHOW ALL OPENINGS ON SHOP DRAWINGS.
6. ALL CONDUITS IN GARAGE ARE TO BE SURFACE MOUNTED.

1. IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
2. THE DUTY OF THE ENGINEER TO CONDUCT CONSTRUCTION REVIEW OF CONTRACTOR'S PERFORMANCE IS NOT INTENDED TO INCLUDE REVIEW OF ADEQUACY OF CONTRACTOR'S SAFETY MEASURES IN, ON, OR NEAR THE CONSTRUCTION SITE.

1. LIVE LOAD
AREAS SUBJECT TO TRUCKING AND EMERGENCY VEHICLES (FIRE TRUCKS): 250 PSF
ALL OTHER AREAS: 100 PSF
2. SUPERIMPOSED DEAD LOADS
CEILING AND MECHANICAL ALLOWANCE: 5 PSF
EARTH FILLS: (DEPTH (FT)) x 120 PCF
TRAPPING SLABS AND CONCRETE PAVERS: THICKNESS (FT) x 150 PCF
STONE: THICKNESS (FT) x 175 PCF
3. SNOW LOAD
GROUND SNOW LOAD: $P_g = 20$ PSF
FLAT ROOF SNOW LOAD: $P_f = 20$ PSF
SNOW EXPOSURE FACTOR: $C_e = 1.0$
SNOW LOAD IMPORTANCE FACTOR: $I_s = 1.10$
THERMAL FACTOR: $C_t = 1.2$
4. WIND LOAD
BASIC WIND SPEED (3-SECOND GUST): Vult = 120 MPH; Vadd = 93 MPH
RISK CATEGORY: III
WIND EXPOSURE: C
INTERNAL PRESSURE COEFFICIENT- ENCLOSED BUILDING, GCpi = +18
5. EARTHQUAKE DESIGN DATA
RISK CATEGORY: III
SEISMIC IMPORTANCE FACTOR: $I_e = 1.25$
MAPPED SPECTRAL RESPONSE ACCELERATION: $S_{ds} = 0.145$
MAPPED SPECTRAL RESPONSE ACCELERATION: $S_{d1} = 0.078$
SPECTRAL RESPONSE COEFFICIENT: $S_{rs} = 0.154$
SPECTRAL RESPONSE COEFFICIENT: $S_{r1} = 0.125$
SITE CLASS: D
SEISMIC DESIGN CATEGORY: B
BASIC SEISMIC FORCE RESISTING SYSTEM:
ORDINARY CONCRETE MOMENT FRAME, R=3
SEISMIC RESPONSE COEFFICIENT: 0.064
DESIGN BASE SHEAR:
ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PER ASCE 7.
6. FLOOD DESIGN DATA
ZONE AE PER FLOOD INSURANCE RATE MAP (FIRM) NUMBER 39061C3037D
DESIGN FLOOD ELEVATION: 499.2 (DFE)
ELEVATION OF LOWEST FLOOR: 500
FOR FULLY ENCLOSED AREA BELOW DFE, ENGINEERED OPENING IS PROVIDED TO PROVIDE
EQUALIZATION OF HYDROSTATIC FLOOD FORCES PER ASCE 24, SECTION 2.6.2.2.

1. THE OWNER SHALL EMPLOY QUALIFIED SPECIAL INSPECTORS TO PERFORM INSPECTIONS IN ACCORDANCE WITH OBC CHAPTER 17 AS A MINIMUM. THE ITEMS REQUIRING SPECIAL INSPECTION ON THIS PROJECT INCLUDE THE FOLLOWING:
 - a. AUGER CAST PILING: ALL PILING WORK. SEE SPEC SECTION 318310.
 - b. CONCRETE: ALL CONCRETE WORK. SEE SPEC SECTION 033000.
 - c. REINFORCING: ALL REINFORCING WORK. SEE SPEC SECTION 033000.
2. SPECIAL INSPECTORS SHALL BE QUALIFIED BY TRAINING AND EXPERIENCE FOR THE REQUIRED INSPECTIONS AND MUST BE ACCEPTABLE TO THE BUILDING OFFICIAL. INSPECTORS SHALL THOROUGHLY REVIEW THE PROJECT RECORDS AND ALL RELATED PARTS OF THE DOCUMENTS.
3. THE STRUCTURAL ENGINEER WILL GENERALLY REVIEW THE PROGRESS OF THE WORK, BUT HIS REVIEW SHALL NOT BE CONSTRUED AS SPECIAL INSPECTION.



DRAWING NOTES:

A. REFER TO DRAWING S001 FOR GENERAL NOTES.
B. REFER TO DRAWINGS S301 FOR TYPICAL PILE CAP AND PILE DETAILS.
C. REFER TO DRAWINGS C102 FOR SITE DEMOLITION.
D. REFER TO S500 SERIES DRAWINGS FOR COLUMN SCHEDULE AND DETAILS.
E. TOP OF SLAB VARIES FOR DRAINAGE. REFER TO ARCHITECTURAL DRAWINGS FOR TOP OF SLAB ELEVATIONS.

LEGEND:

INDICATES EXISTING FOUNDATIONS (PILE CAPS, ETC.) THAT ARE TO REMAIN.
INDICATES NEW PILE CAP TYPE, TOP OF PILE CAP ELEVATION, AND ESTIMATED PILE TIP ELEVATION.
SEE DRAWINGS S301 FOR PILE AND PILE CAP REINFORCING. ALL PILES REINFORCED WITH (1)99 CENTER BAR UNLESS MODIFIED BELOW. LETTERS IN PARENTHESES FOLLOWING CAP MARK MODIFY CAP OR PILE REINFORCING:
(A) ADD TOP REINFORCING IN CAP. SEE PILE CAP DETAILS.
(B) ADD (4)7 LENGTH = CAP THICKNESS + 20'-0" AND (20)3 TIES AT 6" AT TOP OF PILE. BALANCE AT 12". PROVIDE CENTRALIZERS AT TOP AND BOTTOM OF CAGE TO CENTER CAGE IN PILE.

EXISTING COLUMN/WALL
EXISTING VERTICAL PILE LOCATION (BASED ON HISTORICAL DOCUMENTS).

- PLAN NOTES:**
- EXISTING UTILITY LINE TO REMAIN. FIELD LOCATE. DO NOT DAMAGE.
 - TYPICAL SLAB ON GRADE CONTROL JOINT PATTERN. SEE DETAIL ON S002 FOR INFO.
 - PRIOR TO PILE INSTALLATION, FIELD VERIFY UNDERGROUND PIPING LOCATION, SIZE AND ELEVATION. SUBMIT INFO TO ENGINEER FOR REVIEW AND CONFIRMATION OF THE PILE LAYOUT.
 - DRILL AND EPOXY COLUMN DOWELS 1'-0" INTO EXISTING FOOTING.
 - REMOVE PORTION OF EXISTING PILE CAP FOR GRADE BEAM CONSTRUCTION. SEE DETAIL 4S111 FOR INFO.
 - PROVIDE 8" SOG WITH 2 LAYERS OF 6x6 - W4.0xW4.0 (68) WVF. TOP LAYER 2" FROM TSLAB. BOTTOM LAYER 6" FROM TSLAB.
 - EXISTING PARK WALL.
 - PROVIDE TEMPORARY RETENTION SYSTEM AS REQUIRED TO AVOID UNDERMINING EXISTING WALL SYSTEM.

GRADE BEAM SCHEDULE			
MARK	SIZE (WxD)	REINFORCING	STIRRUPS
GB1	24"x24"	(3)99 T&B	#4 AT 18"
GB2	36"x24"	(4)99 T&B	#5 AT 12"
GB3	36"x24"	(5)99 T, (3)99 B	#4 AT 18"
GB4	36"x34"	(6)99 B, (6)7 T	#4 AT 18"

- GRADE BEAM SCHEDULE NOTES:**
- BARS FOR MULTIPLE SPAN GRADE BEAMS SHALL BE CONTINUOUS THROUGH INTERMEDIATE PILE CAPS.
 - LAP #9 BARS 7'-0" AND #11 BARS 10'-0" MINIMUM.
 - HOOK ALL BARS AT FAR EDGE OF PILE CAPS. WHERE BAR QUANTITY CHANGES IN CONTINUOUS GRADE BEAMS, HOOK EXTRA BARS AT FAR EDGE OF PILE CAP.
 - BEAM STIRRUPS CONTINUOUS THROUGH SUPPORTING CAPS FOR BEAM TYPES 3 AND 4.
 - TOP OF GRADE BEAM EQUALS TOP OF LOWEST SUPPORTING CAP ELEVATION UNO.

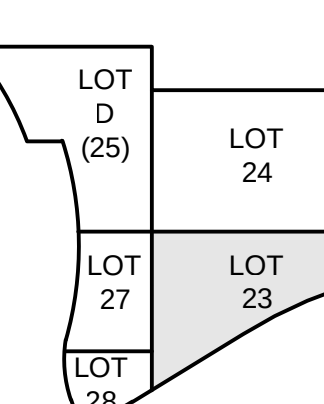


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NO.	DESCRIPTION	DATE
1	1	



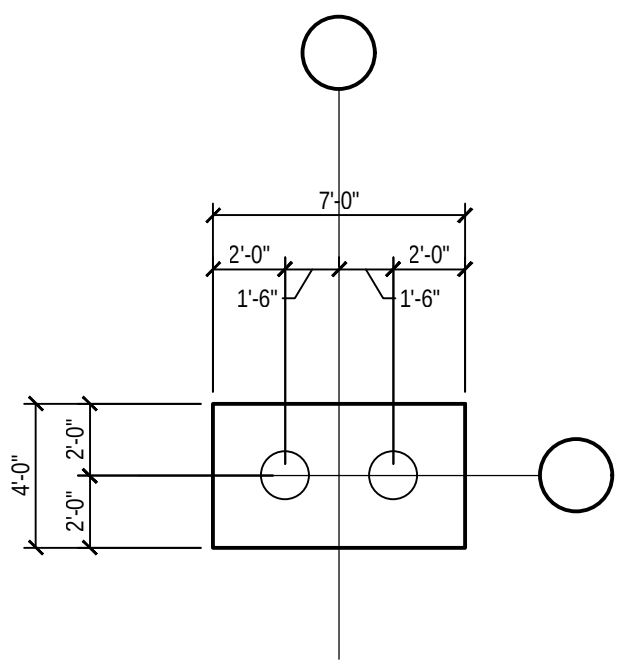
LOT 23/27 GARAGE &
RACE ST. TURNAROUND

THE BANKS
PHASE 3B

FOUNDATION PLAN
AREA B

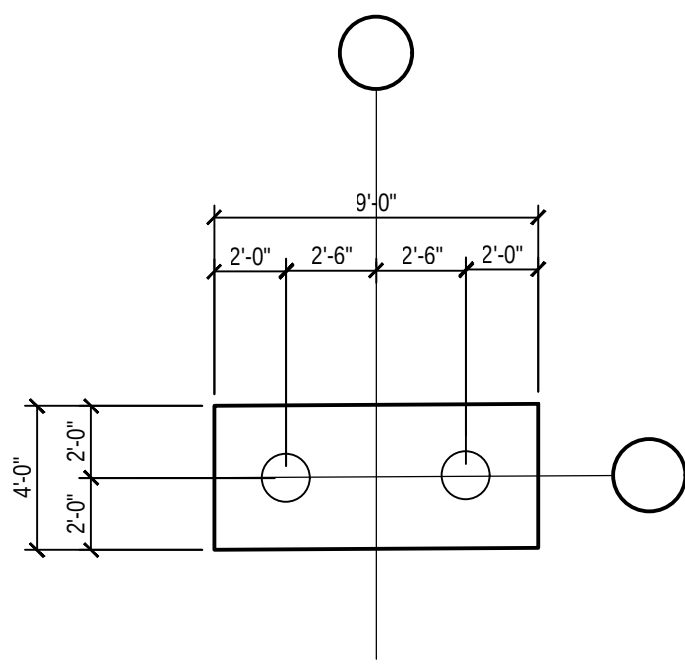
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S101B



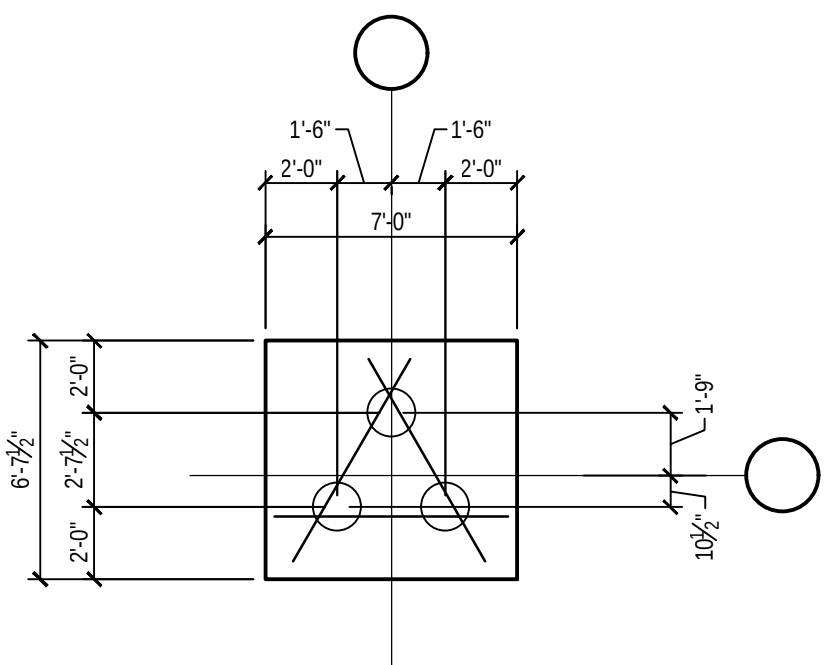
CAP THICKNESS: 34"
TOP REINFORCING: NONE
BOTTOM REINFORCING: (10) #6 LONG BARS, (12) #6 SHORT BARS.

PILE CAP TYPE 2
2
PLAN DETAIL
S301 3/16" = 1'-0"



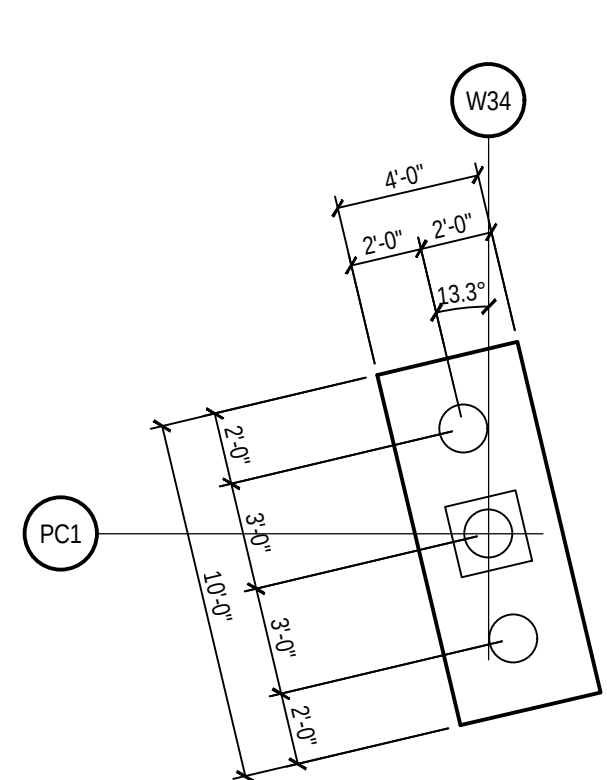
CAP THICKNESS: 38"
TOP REINFORCING: (10) #6 LONG BARS, (15) #5 SHORT
BOTTOM REINFORCING: (10) #6 LONG BARS, (15) #5 SHORT BARS.

PILE CAP TYPE 2A
2A
PLAN DETAIL
S301 3/16" = 1'-0"



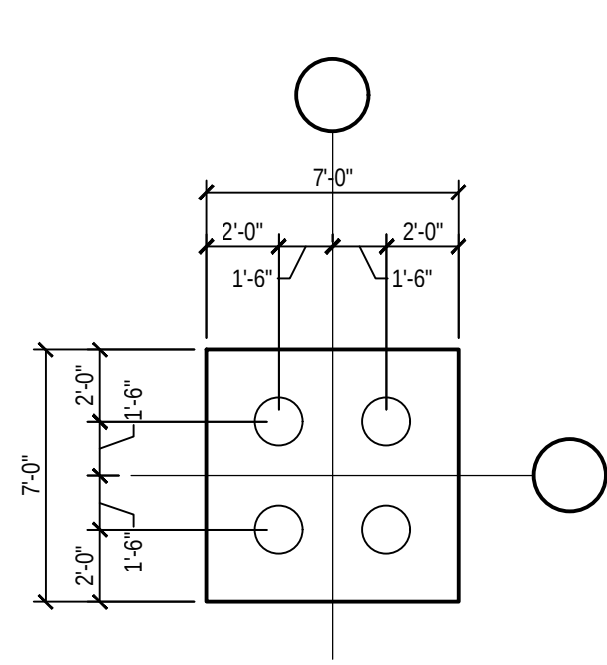
CAP THICKNESS: 34"
TOP REINFORCING: NONE
BOTTOM REINFORCING: (12) #6 IN 3 DIRECTIONS.

PILE CAP TYPE 3
3
PLAN DETAIL
S301 3/16" = 1'-0"



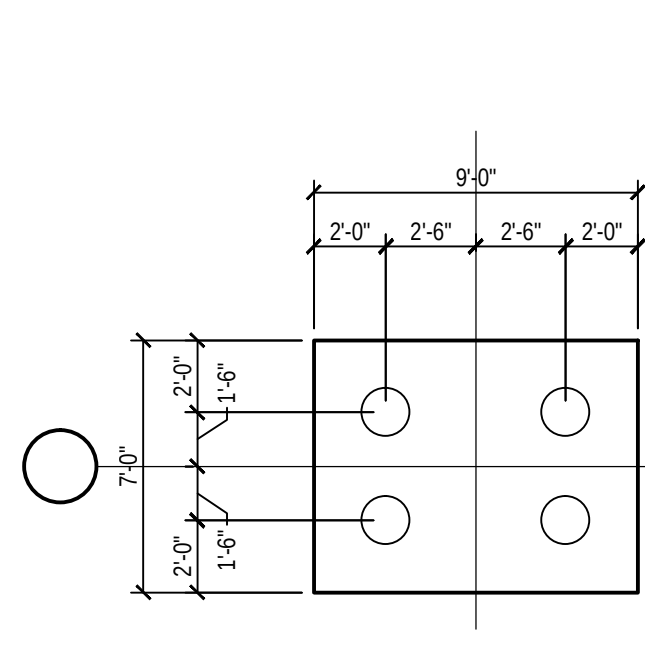
CAP THICKNESS: 34"
TOP REINFORCING: (8)#5 EACH WAY
BOTTOM REINFORCING: (12) #6 LONG BARS, (20) #6 SHORT BARS.

PILE CAP TYPE 3D
3A
PLAN DETAIL
S302 3/16" = 1'-0"



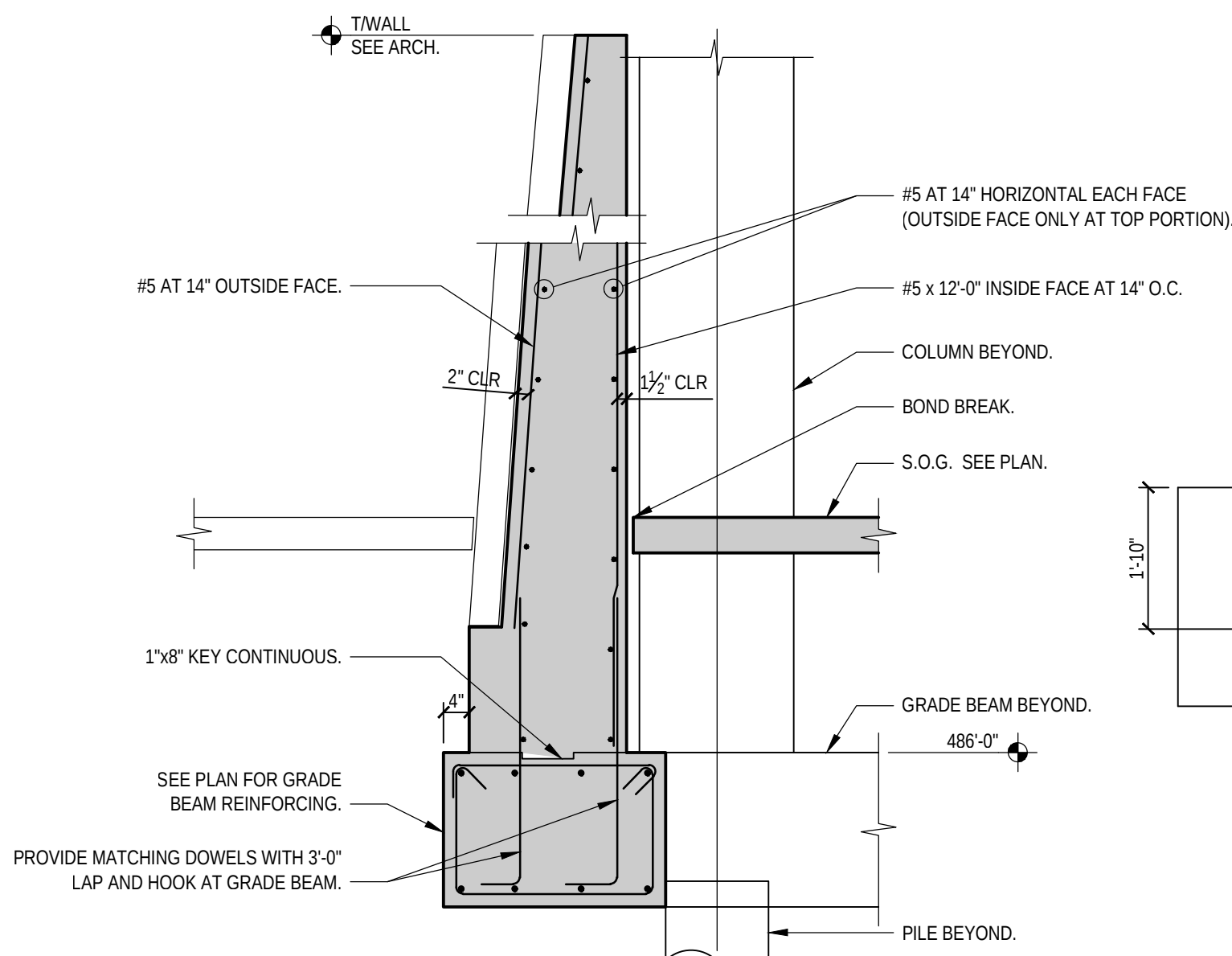
CAP THICKNESS: 38"
TOP REINFORCING: (10)#4 EACH WAY.
BOTTOM REINFORCING: (15) #7 EACH WAY.

PILE CAP TYPE 4
4
PLAN DETAIL
S301 3/16" = 1'-0"

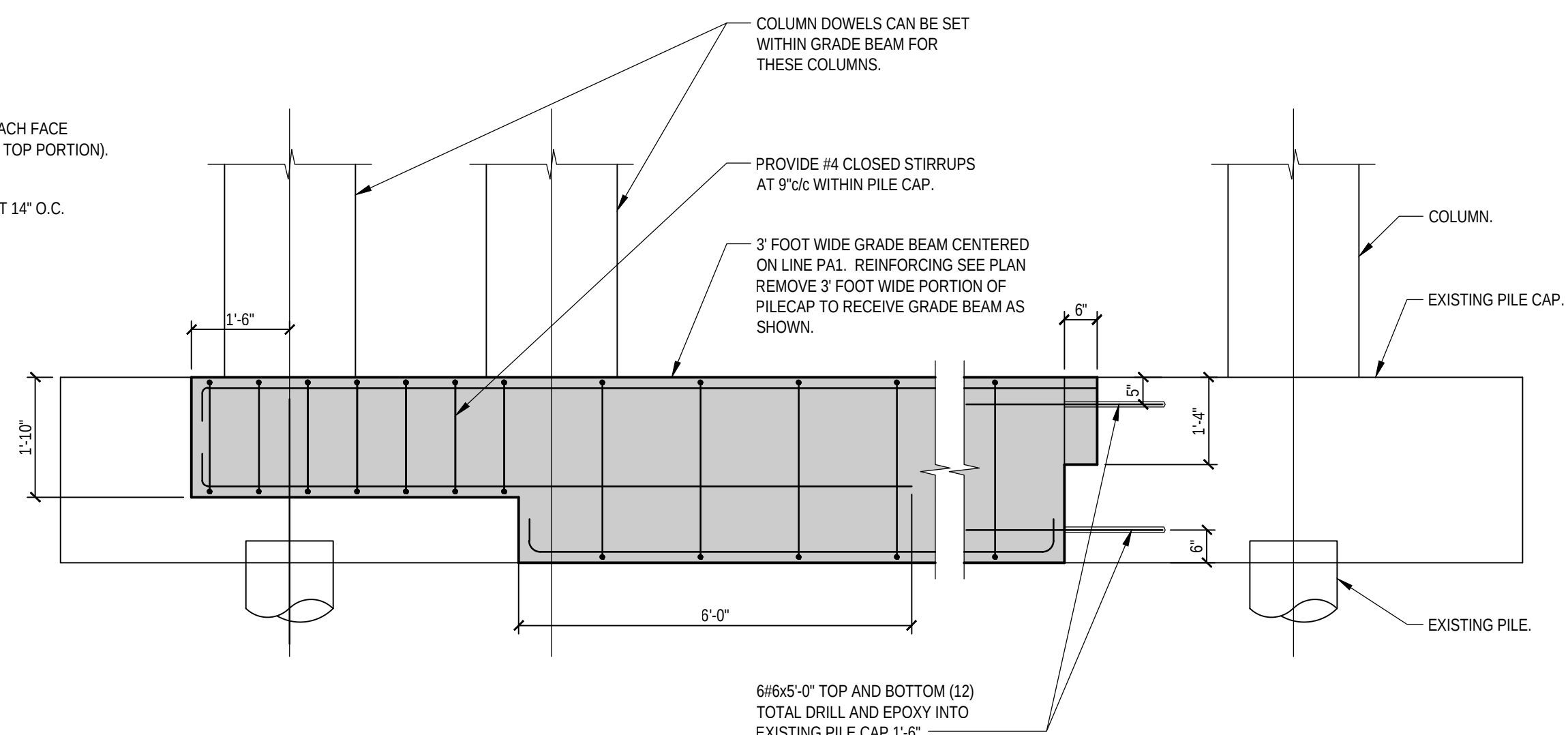


CAP THICKNESS: 46"
TOP REINFORCING: (13) #6 LONG BARS, (16) #6 SHORT BARS.
BOTTOM REINFORCING: (13) #7 LONG BARS, (16) #7 SHORT BARS.

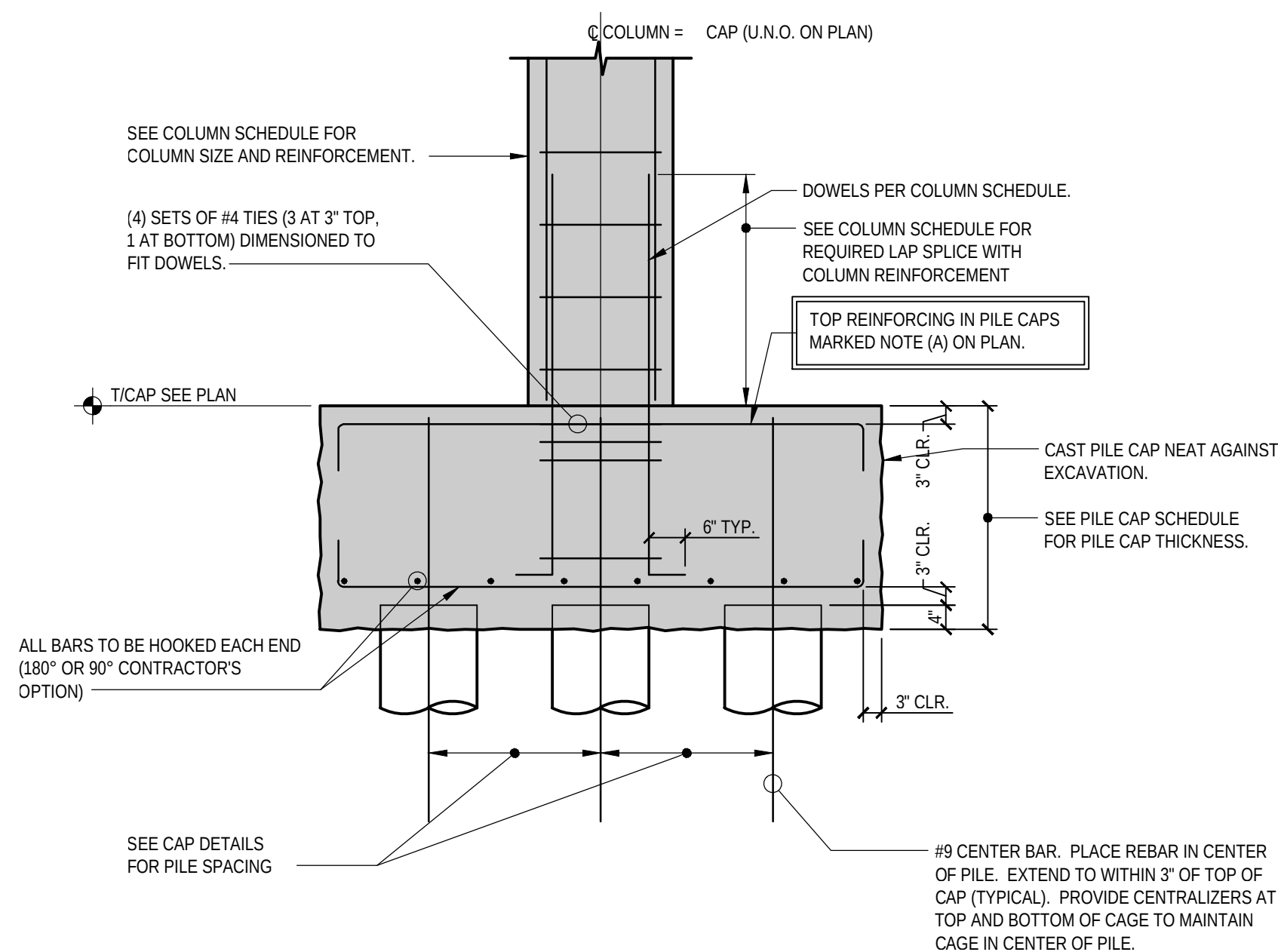
PILE CAP TYPE 4A
4A
PLAN DETAIL
S301 3/16" = 1'-0"



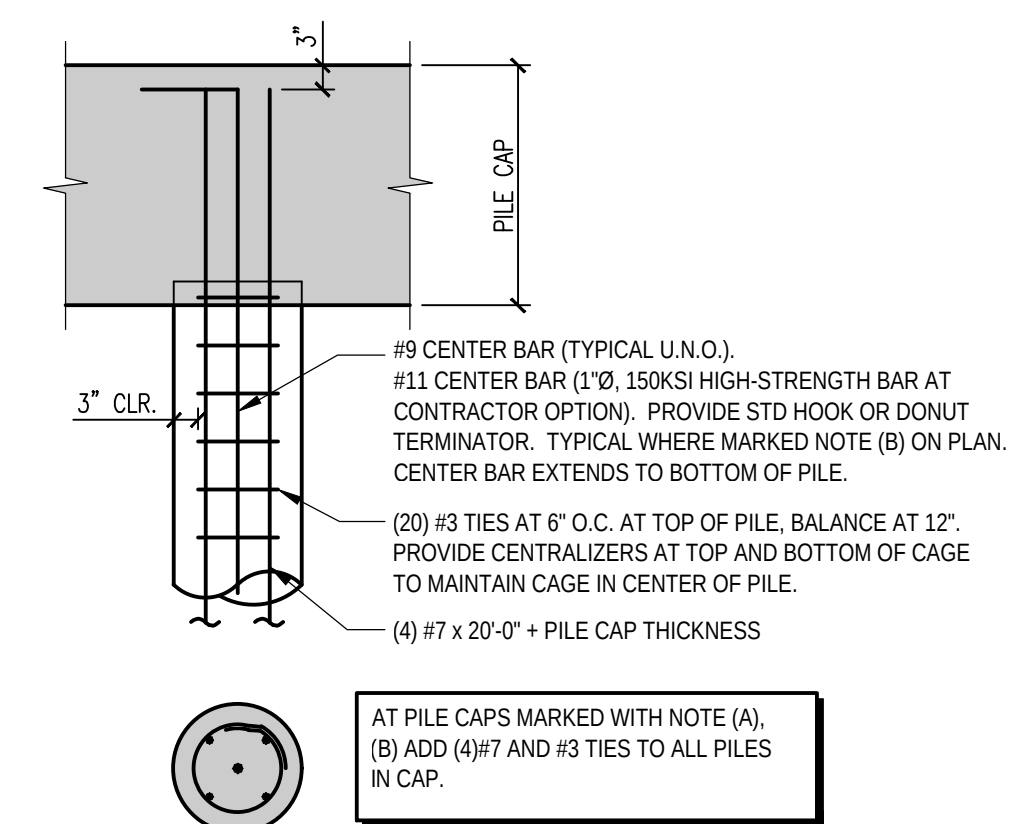
FOR REFERENCE
1
SECTION
S301 1/2"=1'-0"



FOR REFERENCE
2
SECTION
S301 1/2"=1'-0"



TYPICAL PILE CAP
A
SECTION
S301 1/2"=1'-0"



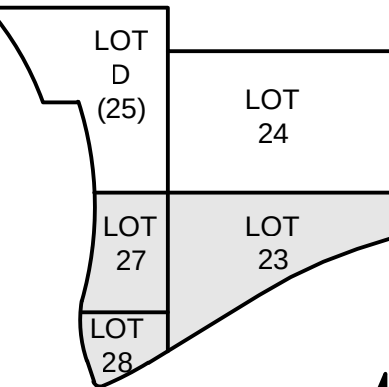
SECTION
B
S301 1/2"=1'-0"



HAMILTON COUNTY
RIVERFRONT PARKING
AND INFRASTRUCTURE
IMPROVEMENTS



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CHECKED BY: M.L.H.

THE BANKS
PHASE 3B

LOT 23/27 GARAGE &
RACE ST. TURNAROUND

DRAWING TITLE
PILE CAP AND
COLUMN DETAILS

JOB NUMBER DATE
98090.38 3/4/2019
DRAWING NUMBER

S301