

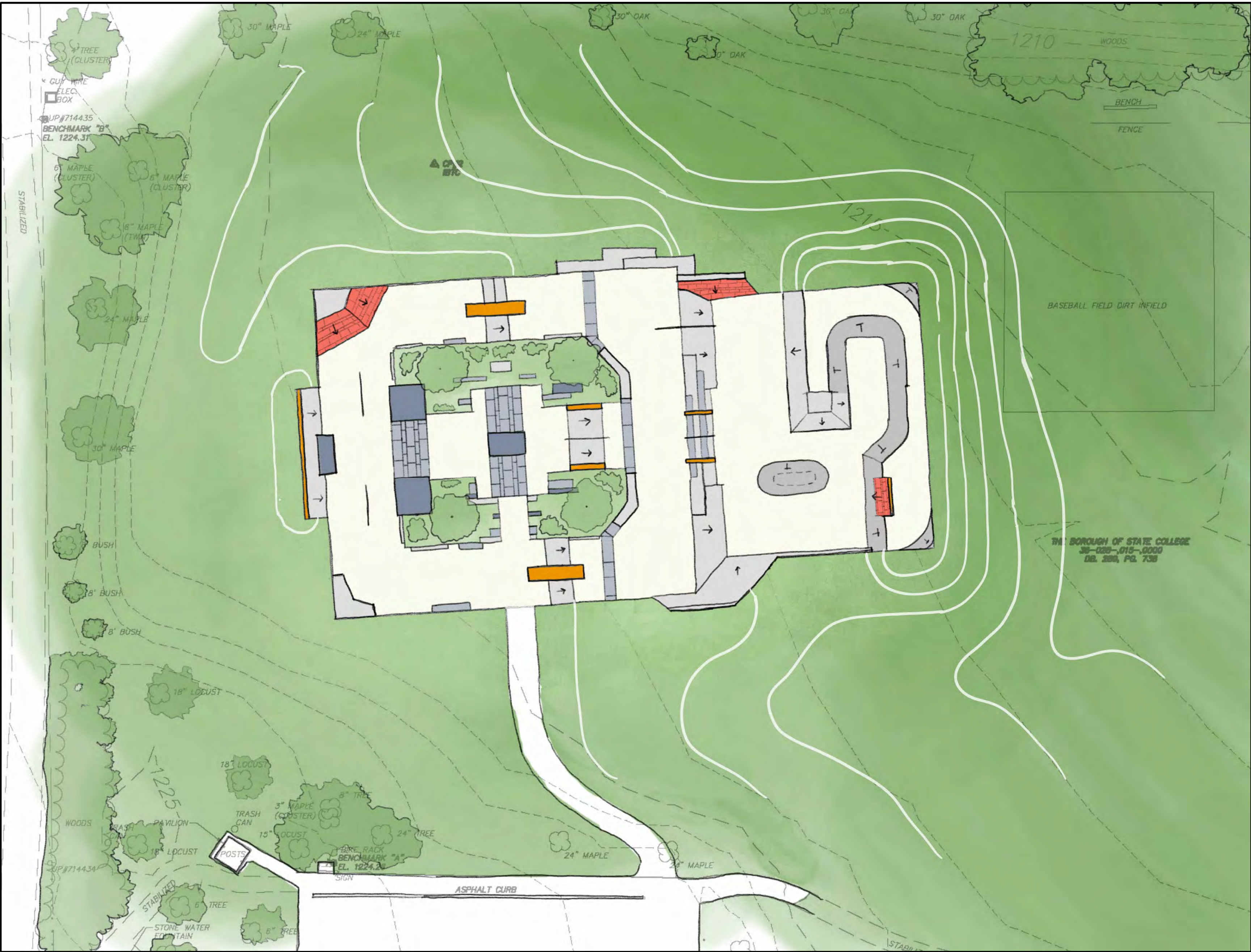
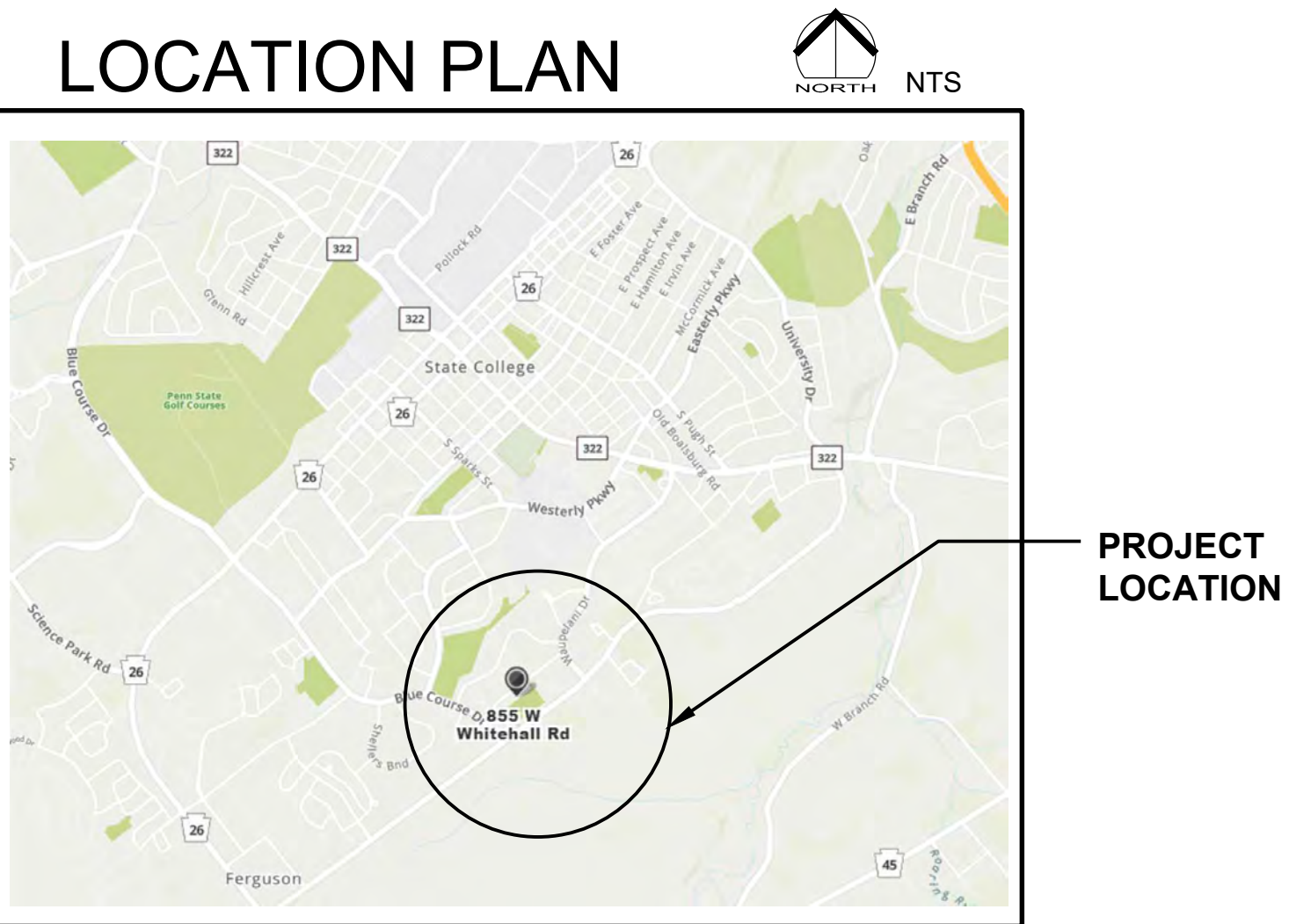
HIGH POINT PARK - SKATE PARK

SITE DEVELOPMENT SET
December 2021

Note: Image not for construction reference.
Alterations have been made to model during detailed design phase.
Image shown to display broader design concept only.

SHEET LIST TABLE	
SHEET NUMBER	SHEET TITLE
SP-0	COVER SHEET
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SP-4	SKATE PARK SECTIONS
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SP-6	SKATE PARK TYP. CONSTRUCTION DETAILS

CONTACTS	
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PROJECT:
EAST FAIRMOUNT PARK
IMPROVEMENT PROJECT
(CDBG)
PROJECT NO. 04-2021

SHEET NAME:
COVER SHEET

SURVEY BY:
DESIGN BY:
CADD:
CHECKED BY:
DATE: 12/23/21
SCALE: AS NOTED

SHEET NO.
SP-0
1 OF 7
PLOT DATE 12/23/21

SKATE PARK-DESIGN CRITERIA

THESE GENERAL STRUCTURAL NOTES APPLY UNLESS OTHERWISE NOTED.

CODE: COMPLY WITH LATEST EDITION OF CITY / COUNTY STANDARD SPECIFICATIONS.

SEISMIC: SEISMIC USE GROUP Sds = 0.068 SPECTRAL RESPONSE: Sd1 = 0.054 SITE CLASS "D"

WIND: BASIC WIND SPEED (V) = 115 MPH IMPORTANCE FACTOR I = 1.0 WIND EXPOSURE "C"

SKATE PARK-STRUCTURAL NOTES

1. SPECIAL STRUCTURAL INSPECTION

- 1.1 PROVIDE SPECIAL STRUCTURAL INSPECTION AS REQUIRED BY BUILDING CODES FOR THE FOLLOWING ITEMS:
 - 1.1.1 CONCRETE: DURING THE TAKING OF TEST SPECIMENS & PLACING OF REINFORCED CONCRETE WHERE F'C > 2,500 PSI, EXCEPT SLABS ON GRADE.
 - 1.1.2 BOLTS INSTALLED IN CONCRETE: DURING INSTALLATION OF EMBEDDED BOLTS IN CONCRETE AND DURING INSTALLATION OF EXPANSION BOLTS & EPOXY BOLTS / REBAR INTO EXISTING CONCRETE.
 - 1.1.3 REINFORCING STEEL: DURING PLACING OF REINFORCING STEEL, FOR ALL CONCRETE REQUIRED TO HAVE SPECIAL INSPECTION BY THE CONCRETE SECTION ABOVE AND PLACING REINFORCING STEEL IN EPOXIED HOLES PER ABOVE.
 - 1.1.4 SHOTCRETE: DURING THE TAKING OF TEST SPECIMENS AND PLACING OF ALL SHOTCRETE.
- 1.2 SCHEDULING OF SPECIAL STRUCTURAL INSPECTIONS:
 - 1.2.1 THE CONTRACTOR SHALL ALLOW A MINIMUM OF 48 HOURS NOTIFICATION FOR THE SCHEDULING OF SPECIAL STRUCTURAL INSPECTIONS.

2. FOUNDATIONS

- 2.1 REFER TO THE GEO-TECHNICAL REPORT AND/OR INFILTRATION REPORT FOR CONCLUSIONS / RECOMMENDATIONS ON FOUNDATIONS, EXCAVATION, ETC. GEO-TECHNICAL REPORT IS INCLUDED IN THE APPENDIX OF THE PROJECT'S TECHNICAL SPECIFICATIONS. REFER TO INFILTRATION REPORT PREPARED BY CMT LABORATORIES INC. ISSUED ON 12-22-2021.
- 2.2 THE STRUCTURAL ENGINEER IS NOT RESPONSIBLE FOR ANY GEO-TECHNICAL ASPECTS OF THIS PROJECT. THE CONTRACTOR OR OWNER SHALL EMPLOY A REGISTERED GEO-TECHNICAL ENGINEER TO PERFORM NECESSARY TESTING AND QUALITY CONTROL INSPECTIONS TO ENSURE THAT THE REQUIREMENTS OF THE SOILS REPORT ARE COMPLIED WITH.

3. REINFORCING

- 3.1 SECURELY TIE ALL REBAR, INCLUDING DOWELS, IN LOCATION BEFORE PLACING CONCRETE OR GROUT.
- 3.2 WHERE REINFORCING IS SHOWN CONTINUOUS THRU CONSTRUCTION JOINTS, LENTON FORM SAVERS DOWEL BAR SPLICE DEVICES AS MANUFACTURED BY ERICO PRODUCTS, INC. OR EQUIVALENT MAY BE USED. SIZES AND TYPES SHALL BE SELECTED TO DEVELOP THE FULL TENSION STRENGTH OF THE BAR PER ICC-ES RESEARCH REPORT.

4. STRUCTURAL STEEL

- 4.1 ASTM A-36 FOR C, MC, ANGLES, AND PLATES.
- 4.2 ASTM A-53 GRADE B OR A-501 FOR STEEL PIPES
- 4.3 ASTM A-500 GRADE B, FY=46 KSI FOR TS/HSS TUBE STEEL FOR SIZES UP TO 5/8" THICK.
- 4.4 ASTM A-307 OR A-36 PLAIN ANCHOR BOLTS.

5. STRUCTURAL STEEL & REINFORCEMENT WELDING

- 5.1 ALL CONSTRUCTION AND TESTING PER AMERICAN WELDING SOCIETY CODES AND RECOMMENDATIONS. ALL WELDING SHALL BE BY WELDERS HOLDING CURRENT CERTIFICATES VALIDATED BY AN INDEPENDENT LAB & HAVING CURRENT EXPERIENCE IN TYPE OF WELD CALLED FOR. THE CONTRACTOR SHALL SUBMIT WELDING CERTIFICATES FOR EACH WELDER PRIOR TO COMMENCING THE WORK.
- 5.2 WELDING RODS TO BE LOW HYDROGEN TYPE, E70 SERIES, PER AWS D1.1 TYPICALLY EXCEPT E-6010 SERIES FOR STEEL SHEET METAL PER AWS D1.3 AND REINFORCING WELDMENTS PER AWS D1.4. USE E80 SERIES WELDING RODS FOR A706 REBAR. MIG WELDERS MAY ALSO BE USED IF APPROPRIATE FOR SEAMS AND FILLING OF HOLES.
- 5.3 FIELD INDICATED WELDS MAY BE DONE IN SHOP & SHOP INDICATED WELDS MAY BE DONE IN FIELD ONLY IF SUBMITTED AND APPROVED PRIOR TO CONSTRUCTION.

6. SUPPLEMENTARY NOTES

- 6.1 THESE CONTRACT DOCUMENTS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE, WORKERS, AND OTHER PERSONS DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, MEANS AND METHODS, BRACING, SHORING, FORMS, SCAFFOLDING, GUYING OR OTHER MEANS TO AVOID EXCESSIVE STRESSES AND TO HOLD STRUCTURAL ELEMENTS IN PLACE DURING CONSTRUCTION. OBSERVATION VISITS TO THE SITE BY THE STRUCTURAL ENGINEER OR STRUCTURAL OBSERVERS SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS.
- 6.2 REINFORCING OR THREADED RODS DRILLED AND EPOXIED INTO EXISTING CONCRETE AS DETAILED ON THE DRAWINGS SHALL BE ONE OF THE FOLLOWING OR APPROVED EQUIVALENT:
 - 6.2.1 HILTI RE-500 SD - ICC ESR-2322
 - 6.2.2 SIMPSON SET-XP - ICC ESR-2508
 - 6.2.3 POWERS PE1000+ - ICC ESR-2583
- 6.3 INSTALLATION OF EPOXIED DOWELS SHALL FOLLOW THE STRICT RECOMMENDATIONS OF THE MANUFACTURER AND THE APPLICABLE ICC-ES REPORT AND HAVE A MINIMUM 9 DIAMETERS EMBEDMENT
- 6.4 INSTALLATION SHALL FOLLOW THE STRICT RECOMMENDATIONS OF THE MANUFACTURER AND THE APPLICABLE ICC-ES REPORT. CONTRACTOR SHALL HAVE APPROPRIATE ICC-ES REPORT ON-SITE DURING ALL INSTALLATIONS.
- 6.5 ANY ENGINEERING DESIGN PROVIDED BY CONTRACTOR OR OTHERS AND SUBMITTED FOR REVIEW SHALL BE BY AN INSURED LICENSED STRUCTURAL ENGINEER WITH CONTINUOUS FIVE YEARS OF EXPERIENCE IN THE TYPE OF DESIGN SUBMITTED.

SKATE PARK-GENERAL CONSTRUCTION NOTES

1. GENERAL

- 1.1 CONSIDER GENERAL NOTES AS APPLYING TO ALL DRAWINGS.
- 1.2 NOTIFY SKATE PARK DESIGNER OF ANY DISCREPANCIES TO THESE PLANS.
- 1.3 PERFORM ALL WORK IN ACCORDANCE WITH ALL APPLICABLE NATIONAL, STATE AND/OR LOCAL BUILDING CODES.
- 1.4 THE SKATE PARK DESIGNER SHALL HAVE NO CONTROL OR CHARGE OF, NOR BE RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES, SAFETY PRECAUTIONS, AND PROGRAMS IN CONNECTION WITH THE WORK, THE ACTS OR OMISSIONS OF THE CONTRACTOR, SUBCONTRACTOR, OR ANY PERSONS PERFORMING ANY OF THE WORK OR FOR THE FAILURE OF ANY OF THEM TO CARRY OUT THE WORK IN CONFORMANCE WITH THE CONTRACT DOCUMENTS.
- 1.5 PROVIDE SPECIAL INSPECTION AS REQUIRED BY BUILDING CODES FOR THE FOLLOWING ITEMS:
 - 1.5.1 PLACEMENT OF REINFORCING STEEL.
 - 1.5.2 TAKING OF TEST SPECIMENS AND PLACING OF ALL CONCRETE.
 - 1.5.3 BOLTS IN CONCRETE.
 - 1.5.4 TAKING OF TEST SPECIMENS AND PLACING OF ALL SHOTCRETE.
- 1.6 THE CONTRACTOR SHALL WARRANTY ALL OF THEIR WORK DURING CONSTRUCTION AND A MINIMUM OF ONE YEAR AFTER THE PROJECT IS ACCEPTED AS COMPLETE.

2. CONCRETE WORK

- 2.1 CONCRETE MIXES SHALL BE DESIGNED BY A TESTING LABORATORY AND APPROVED BY THE SKATE PARK DESIGNER. MIXES SHALL CONFORM TO APPLICABLE BUILDING CODE REQUIREMENTS, REGARDLESS OF OTHER MINIMUM REQUIREMENTS SPECIFIED HEREIN OR ON THE DRAWINGS. MIX DESIGNS SHALL BE SUBMITTED TO THE SKATE PARK DESIGNER FOR APPROVAL BEFORE USE. DESIGNS SHALL SHOW PROPORTIONS OF CEMENT, FINE AND COARSE AGGREGATES AND WATER, AND GRADATION OF COMBINED AGGREGATES.
- 2.2 CEMENT: ASTM C150. CEMENT SHALL BE OF SAME BRAND, TYPE AND SOURCE THROUGHOUT PROJECT. WHERE AGGREGATES ARE POTENTIALLY REACTIVE, USE LOW ALKALI CEMENT.
- 2.3 AGGREGATES SHALL CONFORM TO ASTM C33.
- 2.4 NO ADMIXTURES WITHOUT APPROVAL. ADMIXTURES CONTAINING CHLORIDES SHALL NOT BE USED. CONCRETE SHALL NOT BE IN CONTACT WITH ALUMINUM.
- 2.5 CONCRETE MIX DESIGN - CAST-IN-PLACE
 - 2.5.1 PROVIDE MIX DESIGNS THAT WILL MEET THE MINIMUM REQUIREMENTS LISTED BELOW. INCREASE CEMENT CONTENT OVER THAT SHOWN, IF REQUIRED TO OBTAIN THE COMPRESSIVE STRENGTH:

MIN. 28-DAY COMPRESSIVE STRENGTH (PSI)	MIN. CEMENT CONTENT (POUNDS)	MAX. SLUMP (INCHES)	MAX. AGGREGATE SIZE (INCHES)	MAX. AIR ENTRAINING AT END OF HOSE (PERCENT)
4000	480	4"	1"	3%-5%

2.6 CONCRETE MIX DESIGN - SHOTCRETE

- 2.6.1 ACI STANDARD 506, LATEST EDITION, "SPECIFICATION FOR MATERIALS, PROPORTIONING AND APPLICATION OF SHOTCRETE" AND ACI 506.2, LATEST EDITION, "RECOMMENDED PRACTICES FOR SHOTCRETE" SHALL BE FOLLOWED.
 - 2.6.2 MIX DESIGNS FOR SHOTCRETE CONTAINING FLY ASH SHALL BE BY AN INDEPENDENT TESTING LABORATORY. ONLY ASTM C618 CLASS F FLY ASH SHALL BE USED. THE AMOUNT OF FLY ASH USED SHALL NOT EXCEED 20 PERCENT BY WEIGHT OF THE COMBINED WEIGHT OF FLY ASH PLUS CEMENT.
 - 2.6.3 PROVIDE MIX DESIGNS THAT WILL MEET THE MINIMUM REQUIREMENTS LISTED BELOW. INCREASE CEMENT CONTENT OVER THAT SHOWN, IF REQUIRED TO OBTAIN THE COMPRESSIVE STRENGTH:
- | MIN. 28-DAY COMPRESSIVE STRENGTH (PSI) | MIN. CEMENT CONTENT (POUNDS) | MAX. SLUMP (INCHES) | MAX. AGGREGATE SIZE (INCHES) | MAX. AIR ENTRAINING AT END OF HOSE (PERCENT) |
|--|------------------------------|---------------------|------------------------------|--|
| 4000 | 600 | 3" | 3/8" | 3%-5% |
- 2.6.4 SURFACE PREPARATION: EXPOSED EXISTING CONCRETE SHALL BE SANDBLASTED CLEAN. SURFACES SHALL BE FOLLOWED BY WETTING AND DAMP DRYING JUST PRIOR TO SHOTCRETE APPLICATION.
 - 2.6.5 ANY REBOUND OR ACCUMULATED LOOSE AGGREGATE SHALL BE REMOVED FROM THE SURFACES TO BE COVERED PRIOR TO PLACING THE INITIAL OR ANY SUCCEEDING LAYERS OF SHOTCRETE. REBOUND SHALL NOT BE REUSED AS AGGREGATE.
 - 2.6.6 JOINTS IN WALL POURS ARE PERMISSIBLE. AT JOINTS, SHOTCRETE SHALL BE SLOPED TO A THIN EDGE. BEFORE PLACING ADDITIONAL MATERIAL, ALL SURFACES SHALL BE THOROUGHLY CLEANED AND WETTED AND ALL REINFORCING STEEL SHALL BE BRUSHED FREE OF LATENT SHOTCRETE MATERIAL.
 - 2.6.7 ANY IN-PLACE SHOTCRETE MATERIAL WHICH EXHIBITS SAGS OR SLOUGHS, SEGREGATION, HONEYCOMBING, SAND POCKETS OR OTHER OBVIOUS DEFECTS SHALL BE REMOVED AND REPLACED.
 - 2.6.8 TESTING AND INSPECTION OF IN-PLACE SHOTCRETE SHALL BE IN ACCORDANCE WITH 2015 IBC.

- 2.7 CONCRETE SHALL BE PLACED WITHIN 90 MINUTES OF BATCHING AND SHALL NOT EXCEED A TEMPERATURE OF 90°F UNLESS PRE-APPROVED BY THE SKATE PARK DESIGNER.

- 2.8 CONCRETE CYLINDERS SHALL BE TAKEN AND TESTED PER CODE BY AN INDEPENDENT TESTING LABORATORY FOR ONE (1) IN EVERY FIFTY (50) YARDS OF STRUCTURAL POUR CONCRETE. HISTORICAL DATA SHALL BE SUBMITTED AND APPROVED PRIOR TO THE POUR IF NO TEST SAMPLES ARE TAKEN FOR POURS LESS THAN 50 CUBIC YARDS.

- 2.9 DURING THE CURING PERIOD, CONCRETE SHALL BE MAINTAINED AT A TEMPERATURE ABOVE 40°F AND IN MOIST CONDITION. FOR INITIAL CURING, CONCRETE SHALL BE KEPT CONTINUOUSLY MOIST FOR 24 HOURS AFTER PLACEMENT IS COMPLETE. FINAL CURING SHALL CONTINUE FOR SEVEN DAYS AFTER PLACEMENT AND SHALL CONSIST OF APPLICATION OF CURING COMPOUND PER ASTM C639, APPLY AT A RATE SUFFICIENT TO RETAIN MOISTURE, BUT NOT LESS THAN 1 GALLON (4.55) PER 200 SQUARE FEET. COVER CONCRETE WITH POLYETHYLENE PLASTIC TO MAINTAIN TEMPERATURE IF NECESSARY. LAP SEAMS IN THE PLASTIC 6" AND TAPE, WEIGHT DOWN THE PLASTIC AS NEEDED.

- 2.10 THE CONTRACTOR SHALL SUBMIT PRODUCTS / METHODS FOR REVIEW BY THE RESIDENT PROJECT REPRESENTATIVE TO FIX ALL CRACKS AND DISPLACEMENTS LARGER THAN 1/16".

- 2.11 ALL CONCRETE WHICH DURING THE LIFE OF THE STRUCTURE WILL BE SUBJECTED TO FREEZING TEMPERATURES WHILE WET, SHALL HAVE A WATER CEMENT RATIO NOT EXCEEDING 0.53 BY WEIGHT AND SHALL CONTAIN ENTRAINED AIR AS PER ACI 301. SUCH CONCRETE SHALL INCLUDE EXTERIOR SLABS, PERIMETER FOUNDATIONS, EXTERIOR CURBS AND GUTTERS, ETC.

- 2.12 CONDUITS, PIPES, AND SLEEVES EMBEDDED IN CONCRETE SHALL CONFORM TO THE REQUIREMENTS OF ICC.

- 2.13 USE INTERMEDIATE GRADE ASTM A615, GRADE 60 FOR ALL REINFORCING. USE ASTM A706, GRADE 60 FOR ALL REINFORCING THAT IS TO BE WELDED. USE A108, GRADE 60, FOR ALL WELDED ANCHORS REFER TO AWS SPEC FOR WELDING WITHOUT PREHEAT. WELDING OF REINFORCING BARS TO BE IN ACCORDANCE WITH ALL BUILDING CODES.

- 2.14 OBSERVE FOLLOWING REINFORCEMENT CLEARANCES:
 - 3" AT SURFACES POURED AGAINST EARTH
 - 2" AT FORMED SURFACES EXPOSED TO EARTH OR WEATHER
 - 1-1/2" AT OTHER SURFACES, EXCEPT WHERE SHOWN OTHERWISE.

- 2.15 SECURE REINFORCING, ANCHOR BOLTS, INSERTS, ETC. RIGIDLY IN PLACE PRIOR TO POURING CONCRETE.

- 2.16 SUPPORT HORIZONTAL REINFORCING ON GALVANIZED CHAIRS OR OTHER APPROVED METHOD (MORTAR BLOCKS ARE UNACCEPTABLE) OF SUPPORT FOR FOOTINGS AND SLABS ON GRADE.

- 2.17 REMOVE FORMS AT FOLLOWING MINIMUM TIMES AFTER POURING: AT SLAB EDGES - 24 HOURS; AT WALLS LESS THAN 4'-0" HIGH - 36 HOURS.

- 2.18 MAKE ALL HOOKS ACI 318-11 STANDARD HOOKS UNLESS OTHERWISE NOTED. PROVIDE 135 DEGREE MINIMUM TURN, PLUS 4" EXTENSION AT FREE ENDS OF COLUMN PILASTER TIES.

- 2.19 MAKE LAPS CONTACT SPLICES, DEVELOPMENT LENGTHS, HOOK EMBEDMENT PER ACI 318-11, UNLESS OTHERWISE NOTED. STAGGER LAP SPLICES WHERE POSSIBLE.

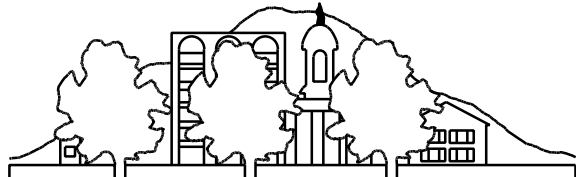
- 2.20 ALL REBAR SHALL BE COLD BENT.

- 2.21 WHERE REINFORCING IS SHOWN CONTINUOUS THRU CONSTRUCTION JOINTS, LENTON FORM SAVERS DOWEL BAR SPLICE DEVICES AS MANUFACTURED BY ERICO PRODUCTS, INC. OR EQUIVALENT MAY BE USED. SIZES AND TYPES SHALL BE SELECTED TO DEVELOP THE FULL TENSION STRENGTH OF THE BAR PER ICC-ES RESEARCH REPORT.

- 2.22 MINIMUM CLEARANCE BETWEEN PARALLEL REINFORCEMENT BARS SHALL BE 2-1/2". LAP SPLICES IN REINFORCING BARS SHALL BE BY THE NON-CONTRACT LAP SPLICE METHOD WITH AT LEAST 2" CLEARANCE BETWEEN BARS.



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PROJECT:

EAST FAIRMOUNT PARK
IMPROVEMENT PROJECT
(CDBG)
PROJECT NO. 04-2021

SHEET NAME:

SKATE PARK
GENERAL NOTES

SURVEY BY:

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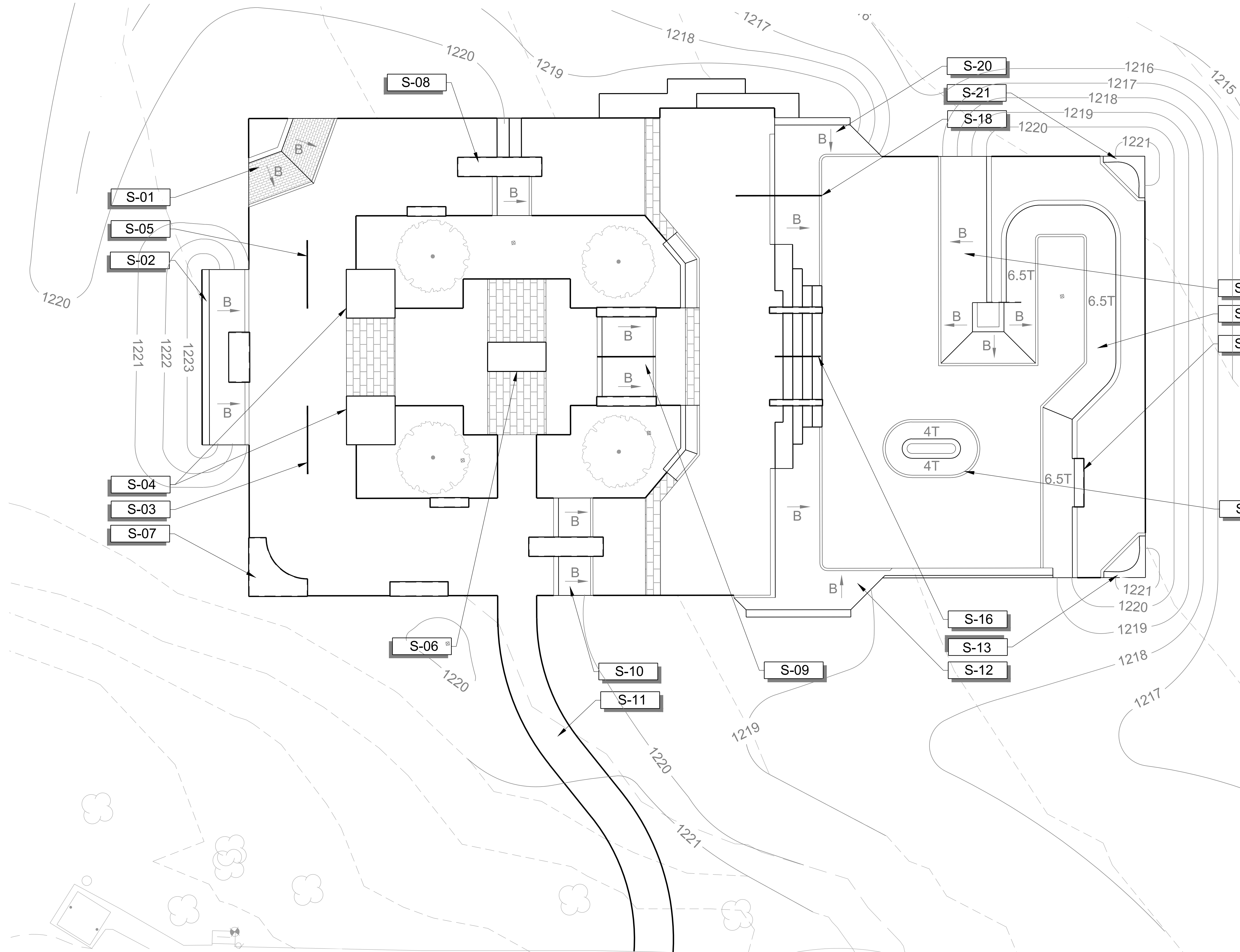
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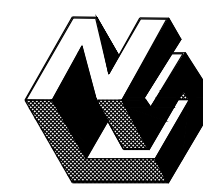
SP-1
2 OF 7

PLOT DATE 12/23/21



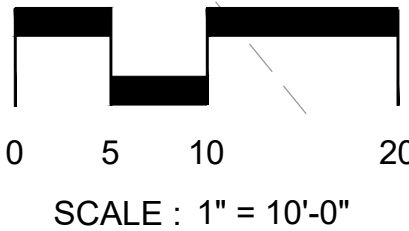
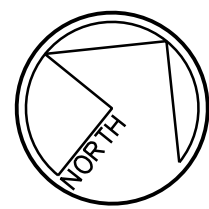
SKATE PARK FEATURE LEGEND

SYMBOL	DESCRIPTION
	BRICK STAMPED BANK WITH HIP
	BANK TO LEDGE WITH MANUAL PAD
	2" DIA. ROUND RAIL
	GRANITE LEDGE
	2"x6" RAIL
	GRANITE MANUAL PAD
	RADIAL LEDGE
	BANK TO LEDGE/STAIRS
	BANK WITH RAIL AND HUBBA'S
	BANK TO LEDGE
	SKATEPARK ENTRY
	BANKED TO LEDGE
	2' TALL CLAMSHELL QUARTER PIPE
	QUARTER PIPE ISLAND
	QUARTER PIPE WITH EXTENSION
	5-SET STAIRS WITH DOWN RAIL AND HUBBA'S
	BANKED ISLAND
	BANK TO RAIL
	MINI RAMP ZONE WITH POCKETS
	BANKED LEDGE
	2' TALL CLAMSHELL QUARTER PIPE
	RADIUS OF WALL, REFER TO SECTIONS
	BANK / EMBANKMENT WALL WITH SLOPE AND RADIUS AT BASE, REFER TO SECTIONS



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EX. ASPHALT PARKING LOT



NO.	REVISION	DATE	BY

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SKATE PARK FEATURE PLAN

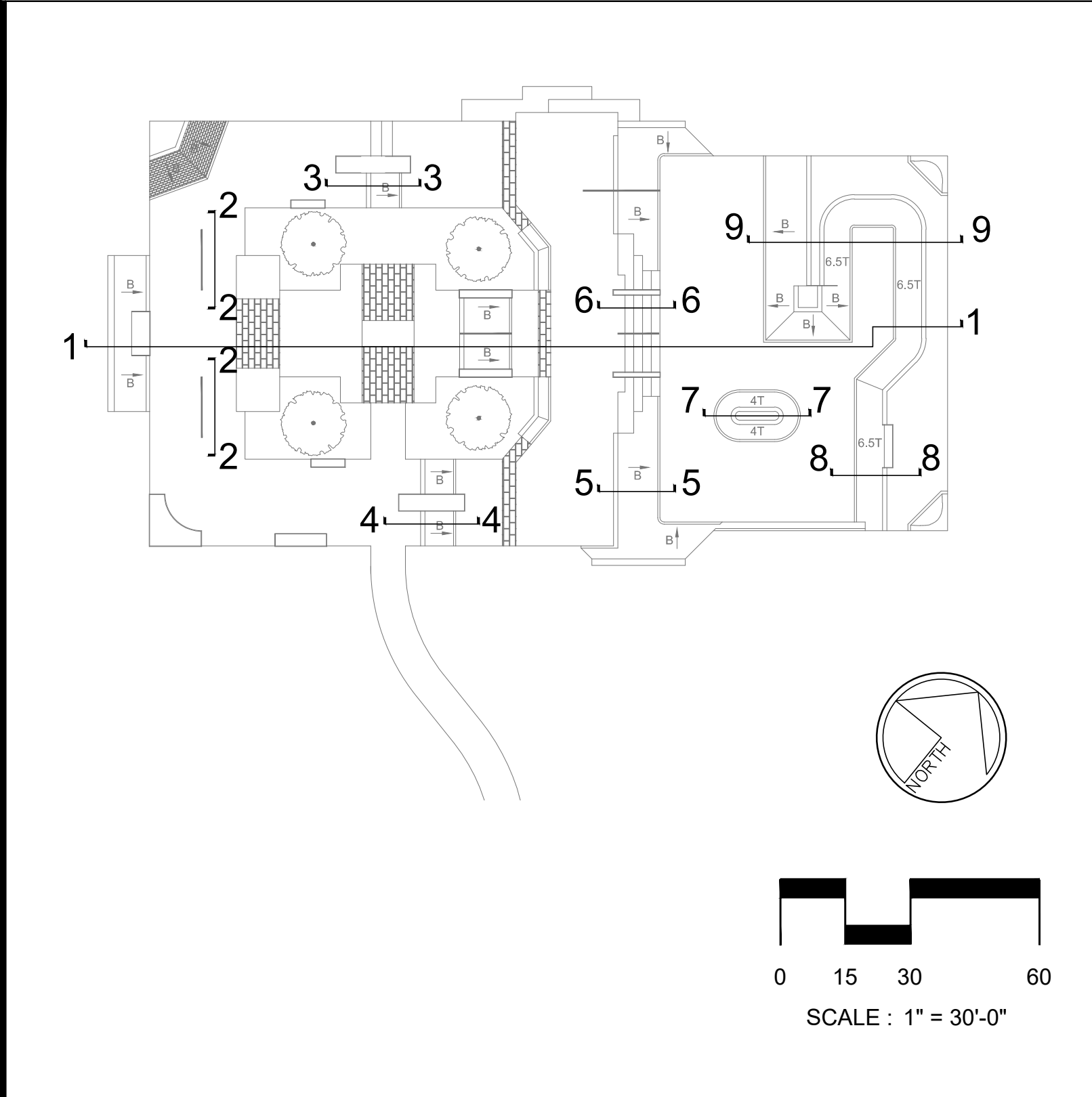
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SHEET NO.
SP-2
3 OF 7
PLOT DATE 12/23/21

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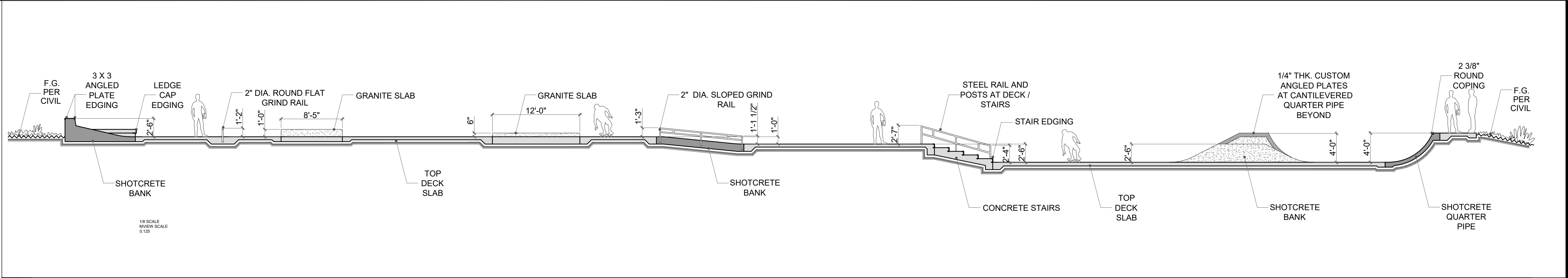


KEY MAP

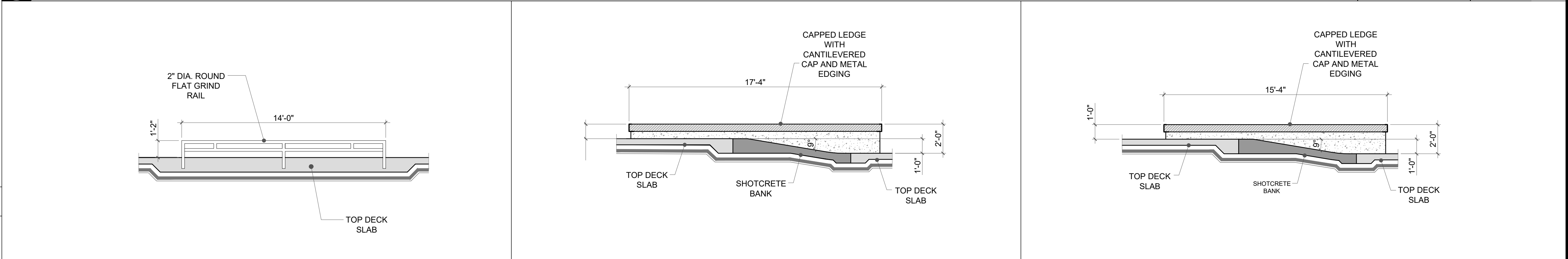
CONCRETE GENERAL / SPECIALTY WORK LEGEND	
	CONCRETE WORK TO BE PERFORMED BY GENERAL CONTRACTOR OR SKATE PARK SPECIALTY CONTRACTOR
	CONCRETE WORK TO BE PERFORMED BY SKATE PARK SPECIALTY CONTRACTOR

- GENERAL NOTES**
- ALL SECTION DIMENSIONS ARE TOP OF CONCRETE FINISH GRADE UNLESS OTHERWISE NOTED.
 - DO NOT INCLUDE METAL FABRICATION OFFSET TO OVERALL DIMENSIONS SHOWN IN SECTIONS AND PROFILES.
 - REFER TO SKATE PARK LAYOUT PLAN SHEETS FOR ACTUAL HORIZONTAL LOCATIONS.
 - FINAL GRADE EARTHWORK AND FORM WORK TO REVIEWED AND APPROVED BY SKATE PARK DESIGN TEAM. SKATE PARK DESIGN TEAM RESERVES THE RIGHT TO MAKE FIELD ADJUSTMENTS AS NECESSARY TO FULFILL THE DESIGN INTENT.
 - ALL DIMENSIONS AT BOTTOM OF BOWLS, EMBANKMENTS, TRANSITIONS ARE LOCATED AT THE COLD JOINT.
 - DUE TO THE UNIQUE AND SCULPTURAL ASPECTS OF THE SKATE PARK THE LOCATION OF THE DIMENSIONS IN THE SECTIONS NEED TO BE CROSS REFERENCED BY THE SKATE PARK LAYOUT PLAN.
 - CONTRACTOR SHALL HAVE EXTENSIVE KNOWLEDGE AND EXPERIENCE OF SKATE PARK CONSTRUCTION AND/ OR FREEFORM PRECISION CONCRETE FORMING, APPLICATION AND FINISHING TO PROPERLY INTERPRET SECTIONS/ PROFILES.
 - METAL FABRICATION NOT SHOWN ON SECTIONS - REFER TO MATERIALS PLAN - METALS AND DETAILS SHEETS FOR TYPE AND LOCATION.
 - ALL CONCRETE FINISH WORK TO BE PERFORMED BY QUALIFIED CONTRACTOR WHO IS ABLE TO MEET THE TOLERANCES MENTIONED IN THE PROJECT'S TECHNICAL SPECIFICATIONS.
 - ALL BANKS LESS THAN 3' HIGH MAY BE CAST IN PLACE, IN LIEU OF SHOTCRETE, UPON SKATE PARK DESIGNER'S APPROVAL.
 - CONTRACTOR TO APPLY ELASTOMERIC WATERPROOFING MEMBRANE AT ALL PLANTER WALLS.

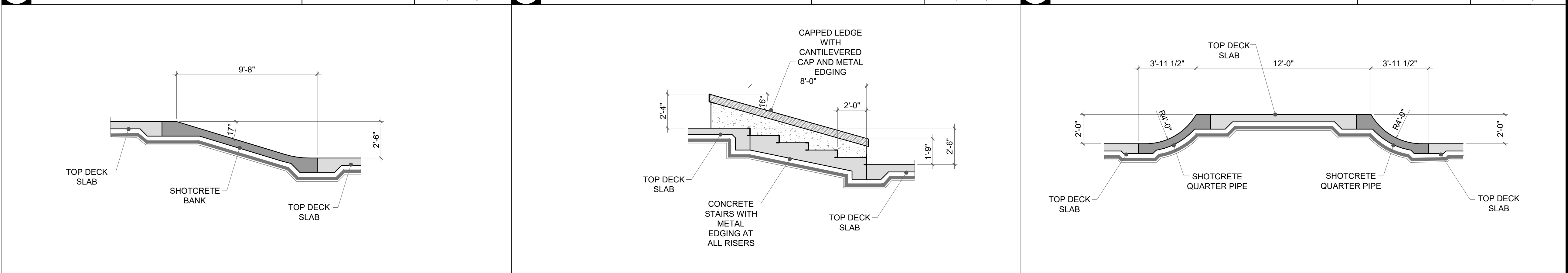
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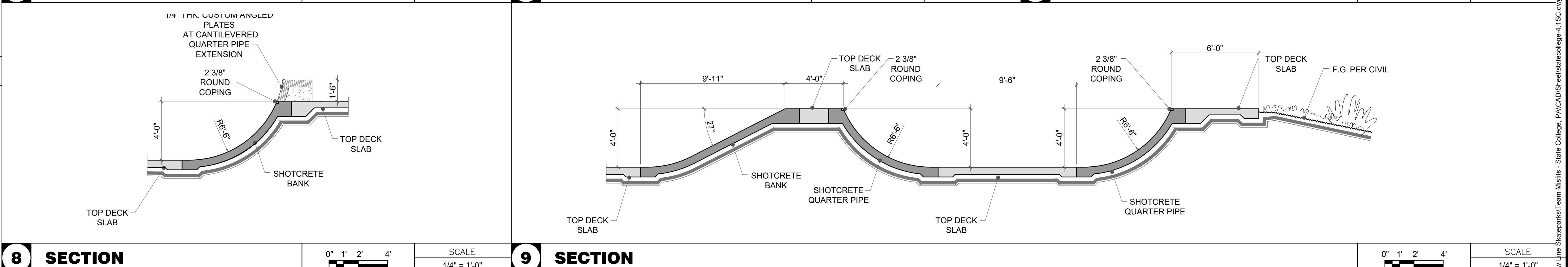
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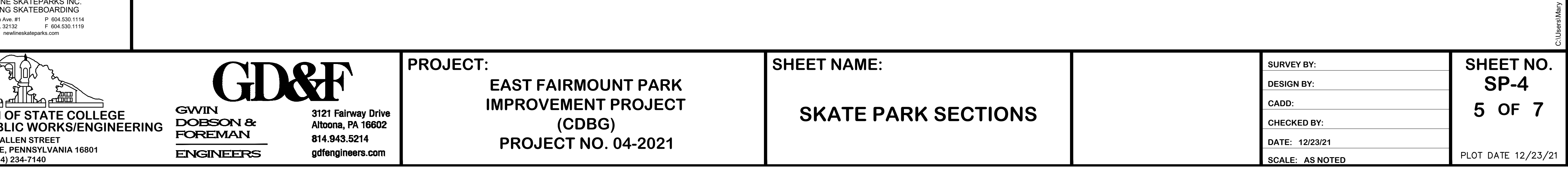
2 SECTION



3 SECTION



4 SECTION



5 SECTION

6 SECTION

7 SECTION

8 SECTION

9 SECTION

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SKATE PARK SECTIONS

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DESIGN BY:

CADD:

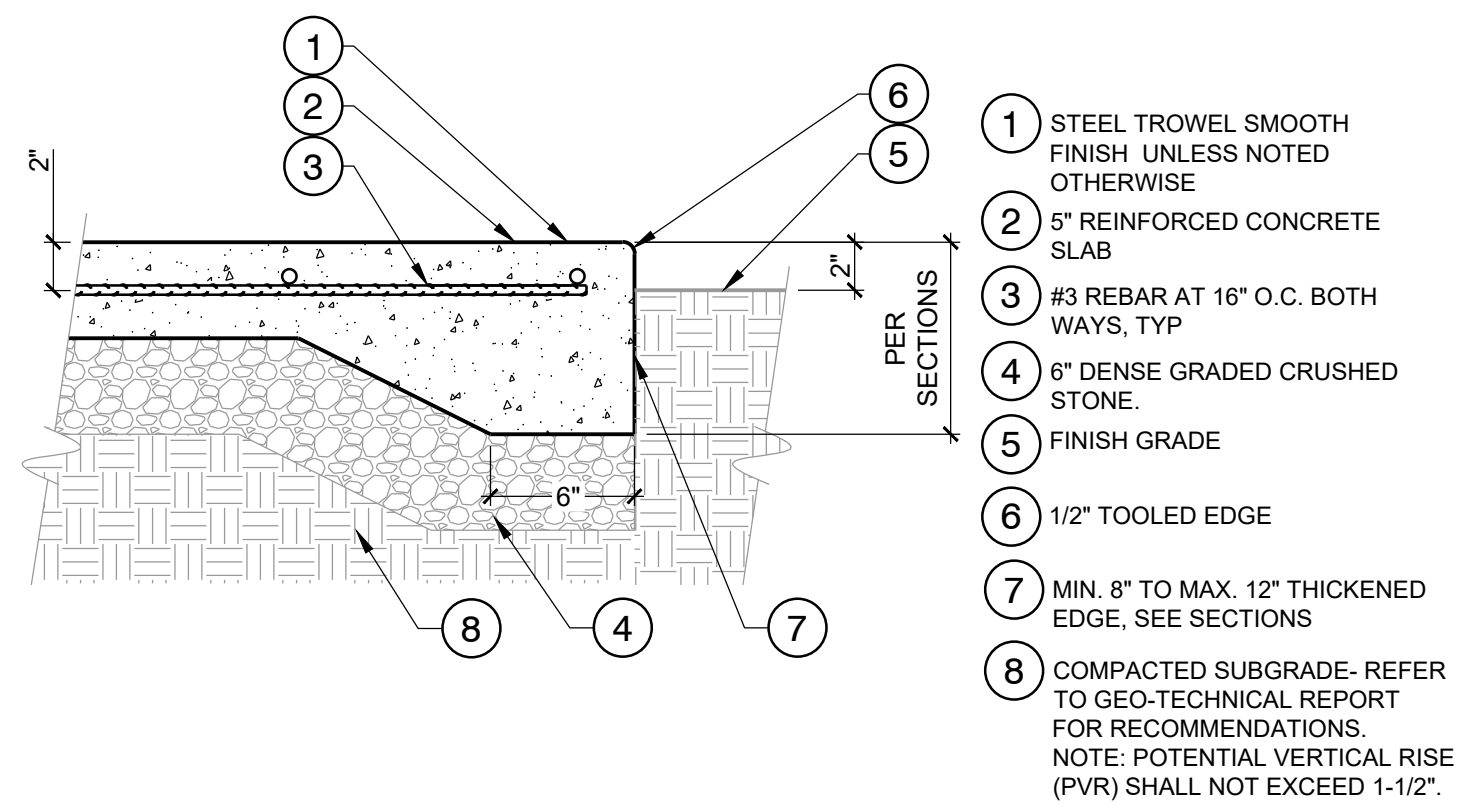
CHECKED BY:

DATE: 12/23/21

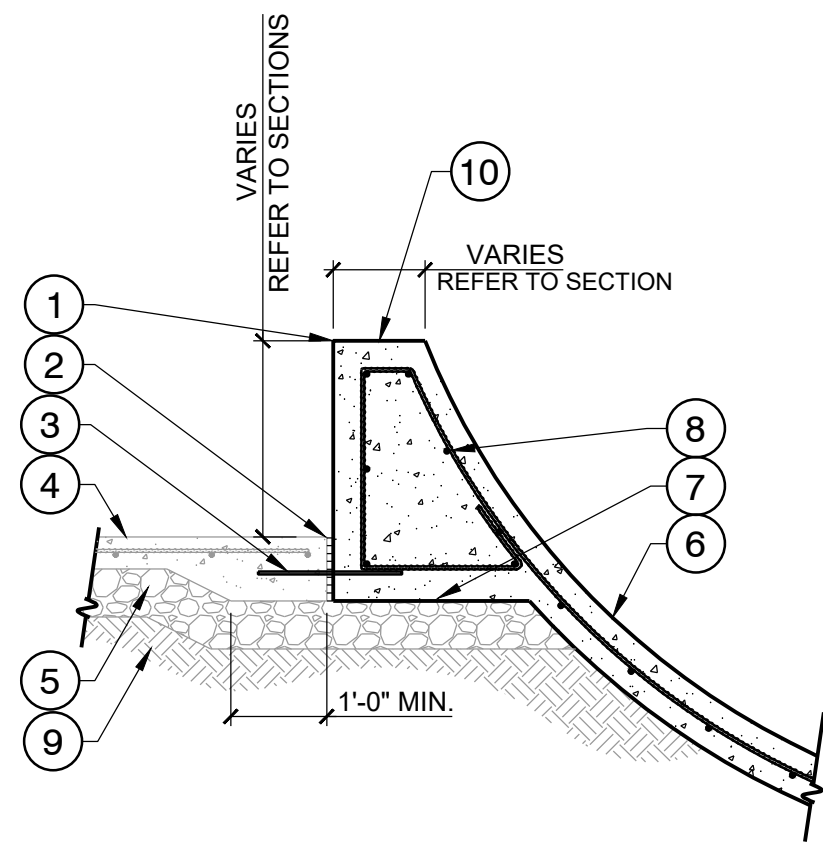
SCALE: AS NOTED

SHEET NO.
SP-4
5 OF 7

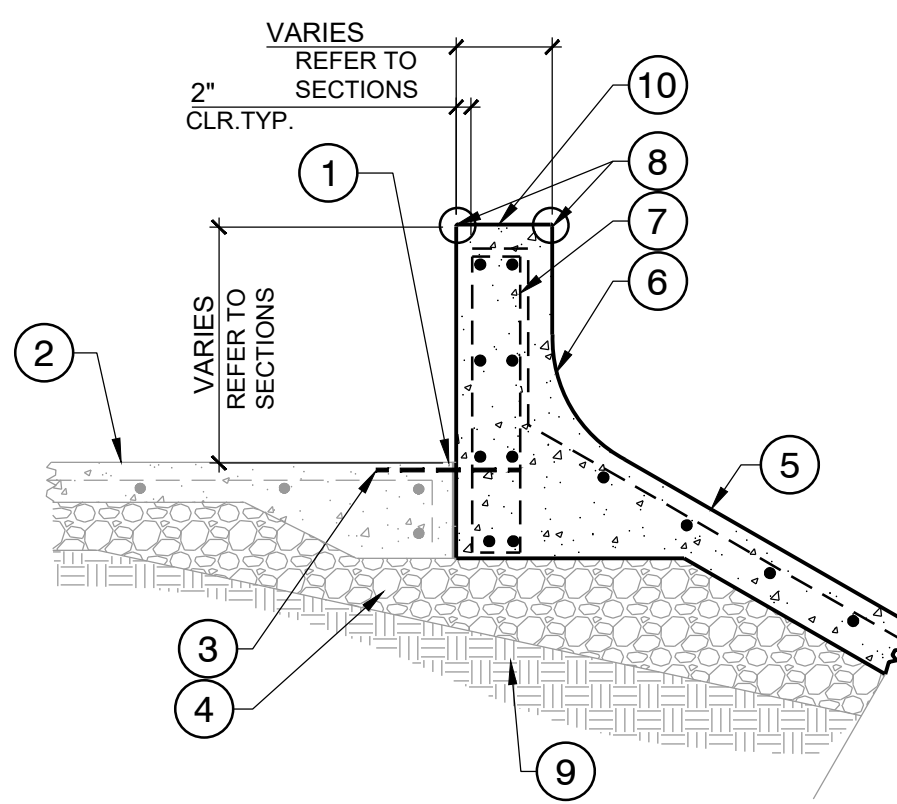
PLOT DATE 12/23/21



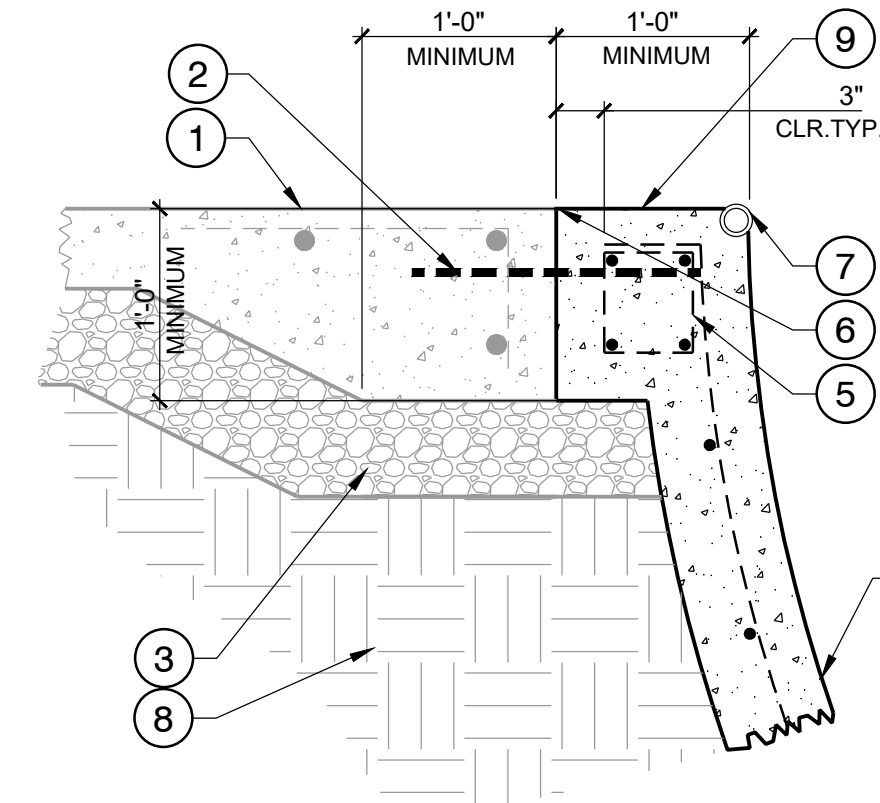
01 5" THK. TOP DECK CONCRETE SLAB
1 1/2" = 1'-0"



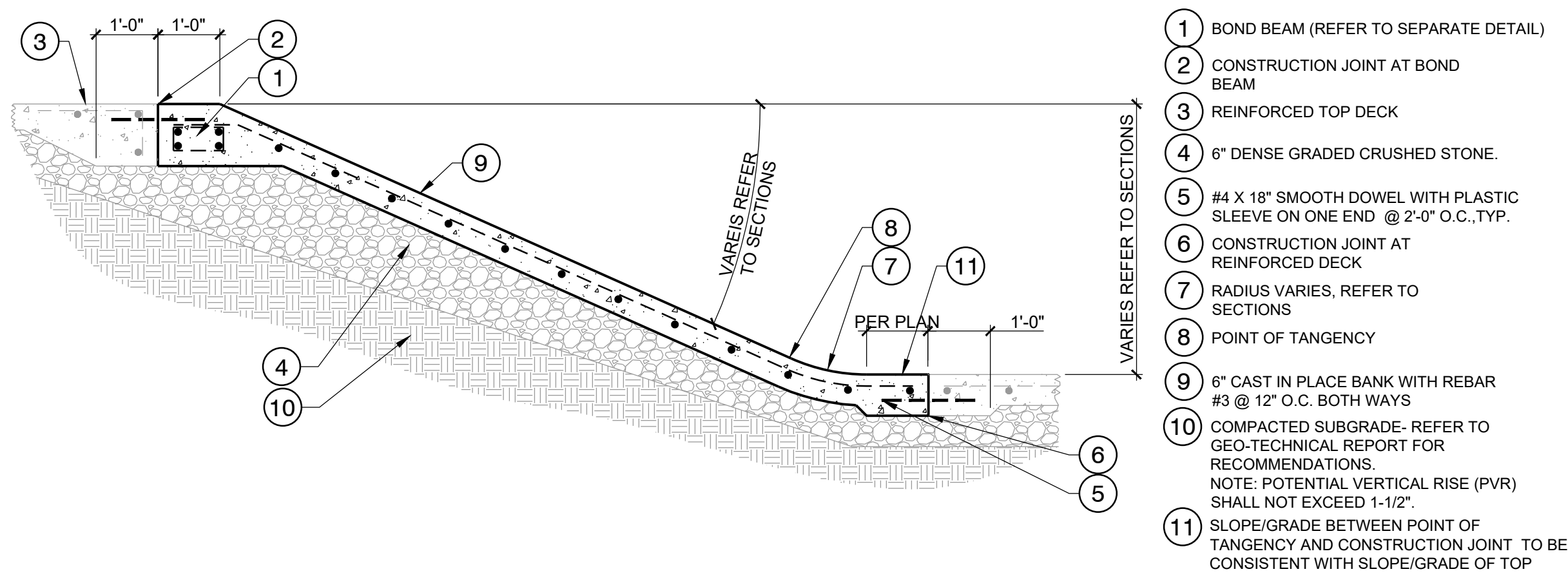
02 TYPICAL TRANSITION TO WALL
1/2" = 1'-0"



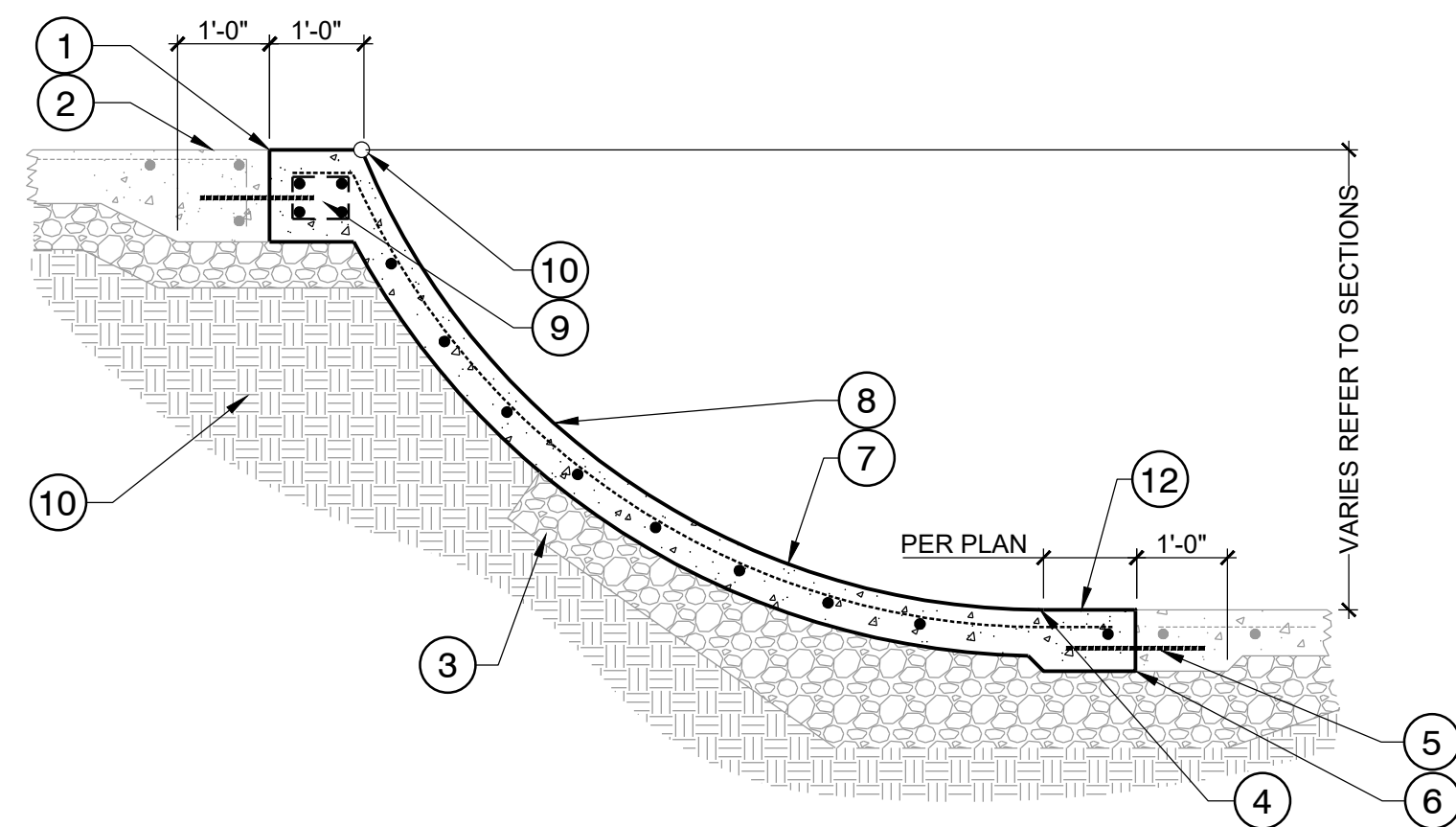
03 TYPICAL BANK TO WALL
1/2" = 1'-0"



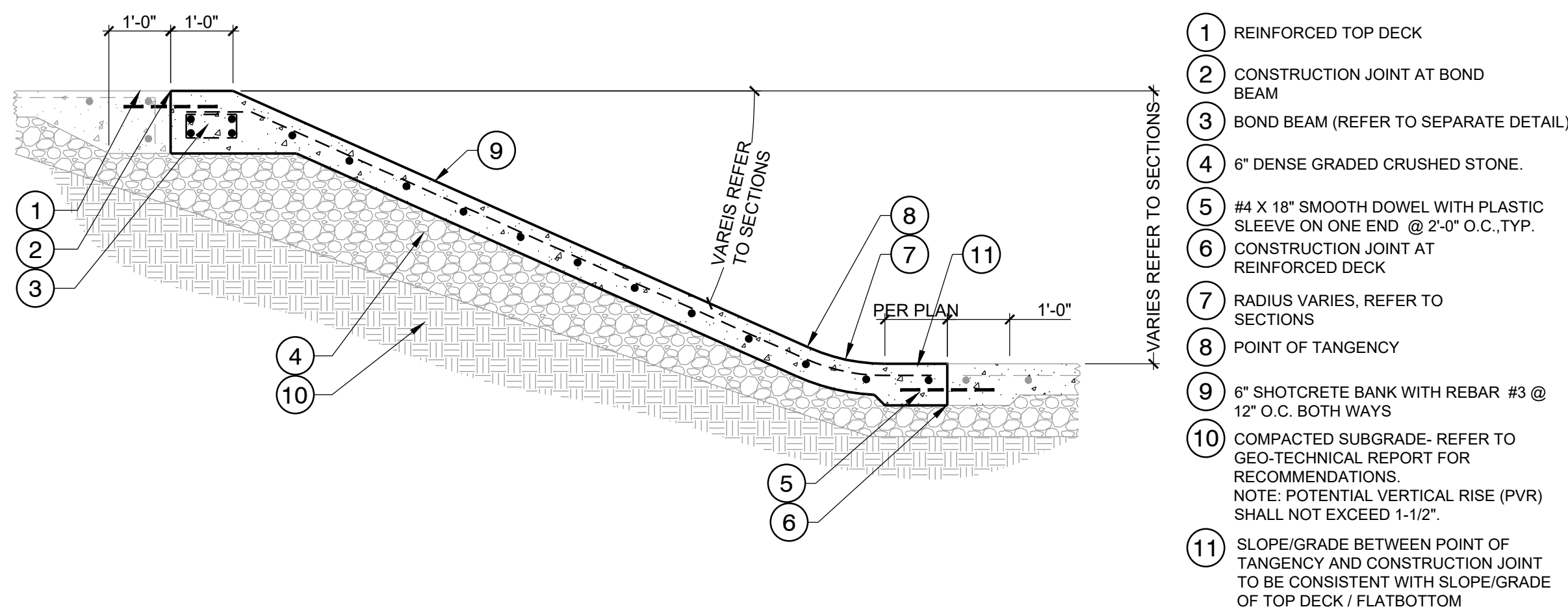
04 TYPICAL BOND BEAM
1" = 1'-0"



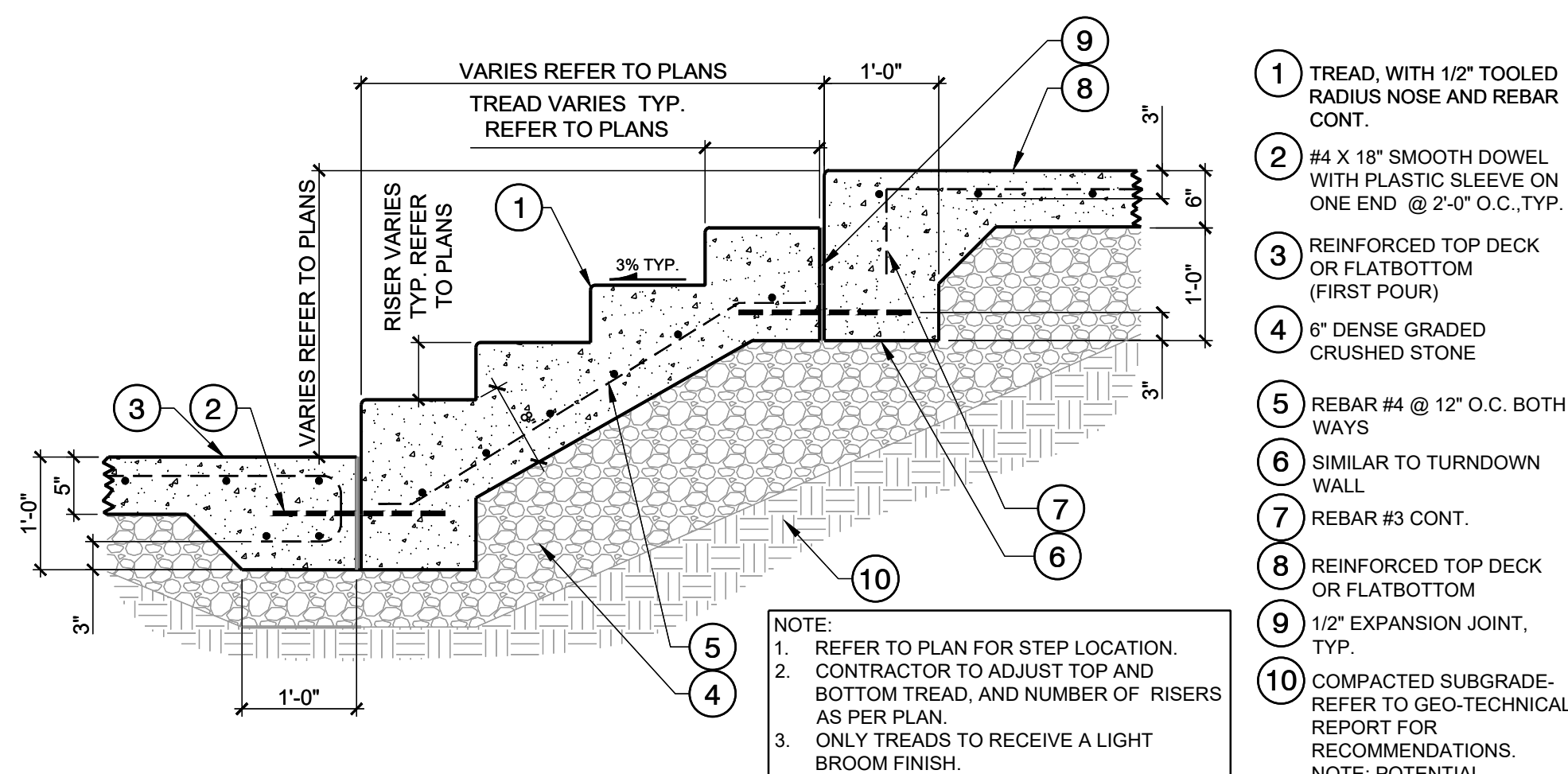
05 TYPICAL CAST IN PLACE CONCRETE BANK
1/2" = 1'-0"



06 TYPICAL SHOTCRETE BOWL / WALL
1/2" = 1'-0"



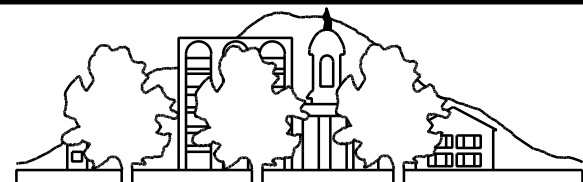
07 TYPICAL SHOTCRETE BANK
1/2" = 1'-0"



08 TYPICAL CONCRETE STAIRS
3/4" = 1'-0"



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3121 Fairway Drive
Altoona, PA 16602
814.943.5214
gdfengineers.com

PROJECT:

EAST FAIRMOUNT PARK
IMPROVEMENT PROJECT
(CDBG)
PROJECT NO. 04-2021

SHEET NAME:

SKATE PARK
TYPICAL CONSTRUCTION
DETAILS

SURVEY BY:

DESIGN BY:

CADD:

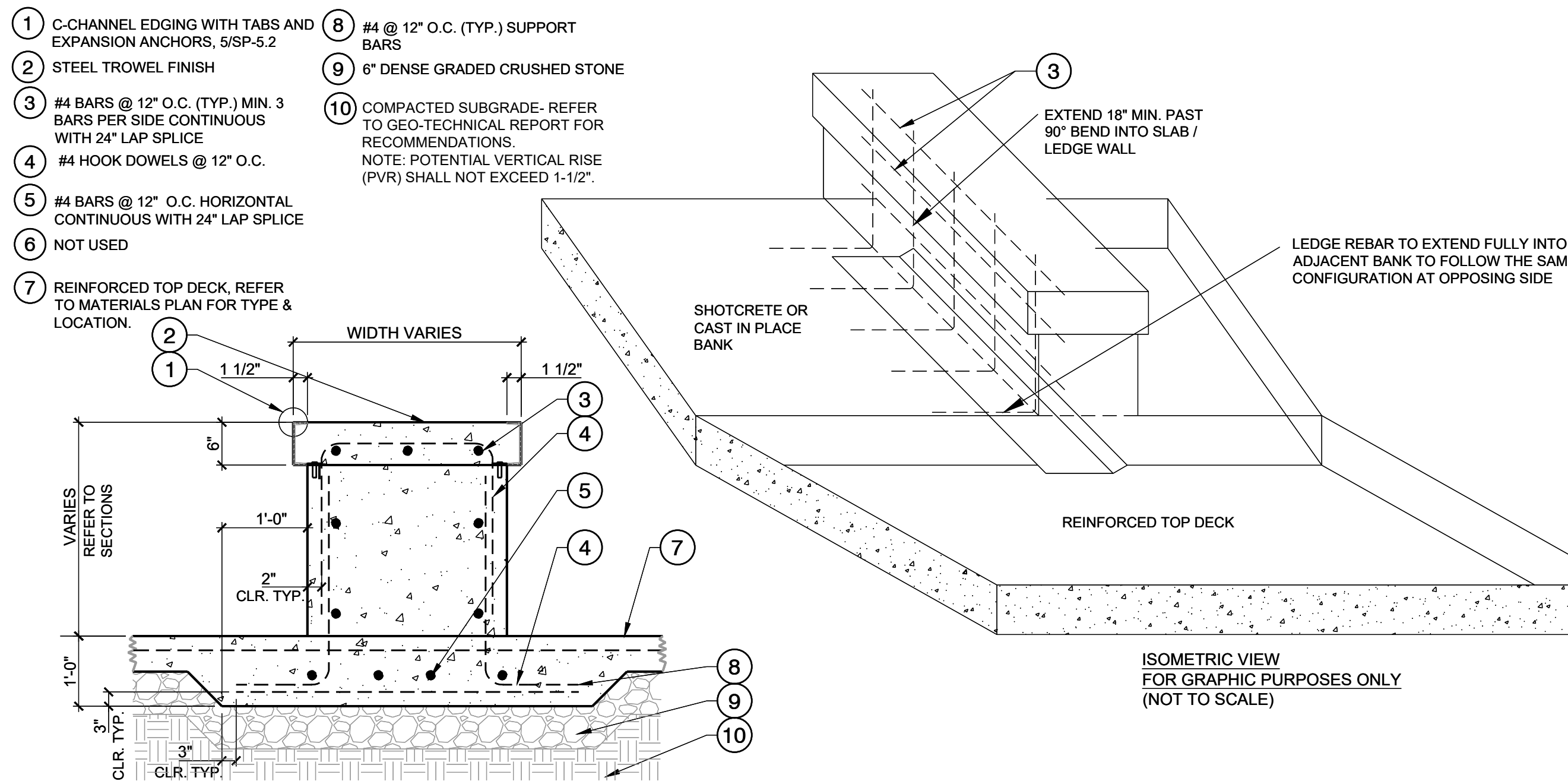
CHECKED BY:

DATE: 12/23/21

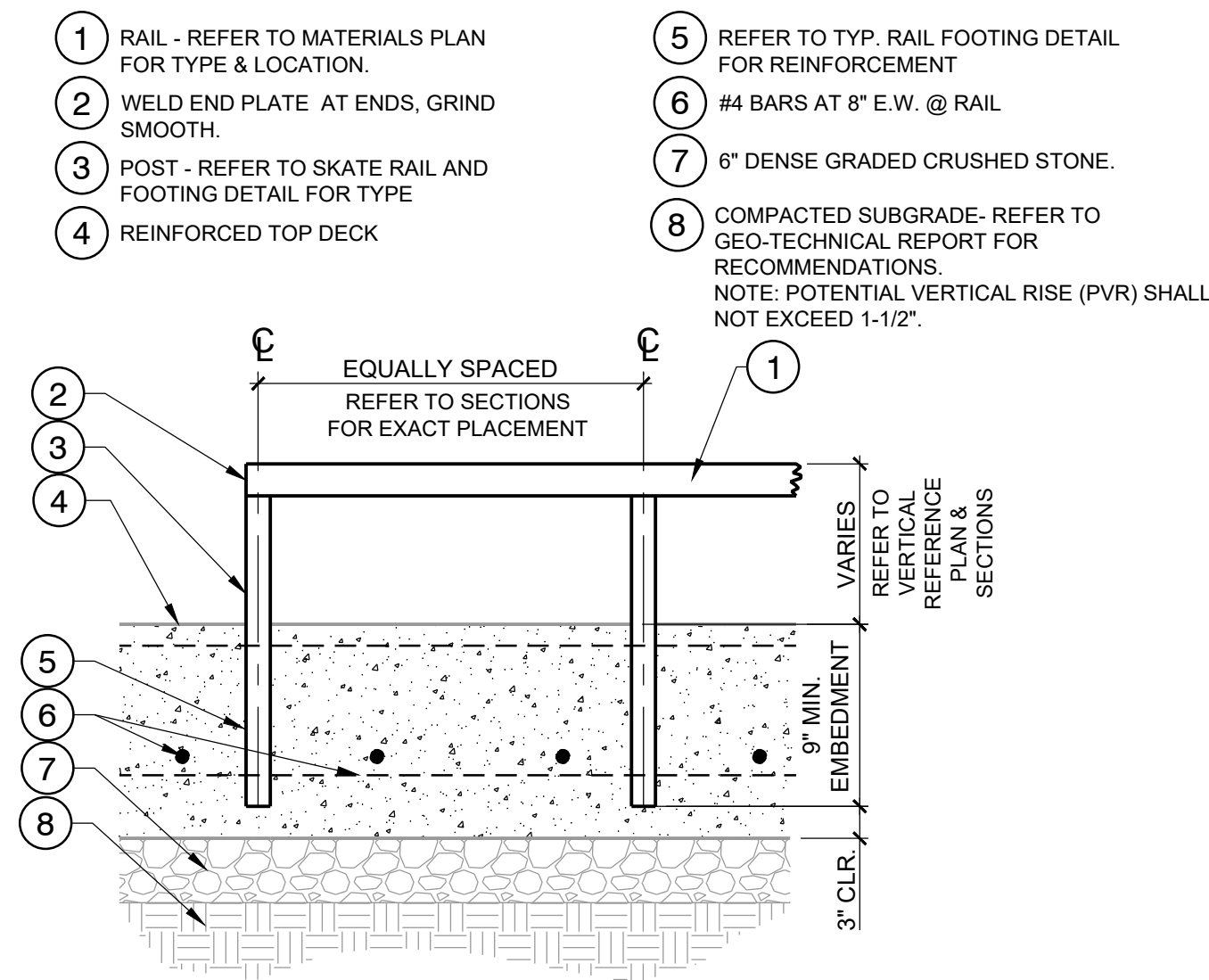
SCALE: AS NOTED

SHEET NO.
SP-5
6 OF 7

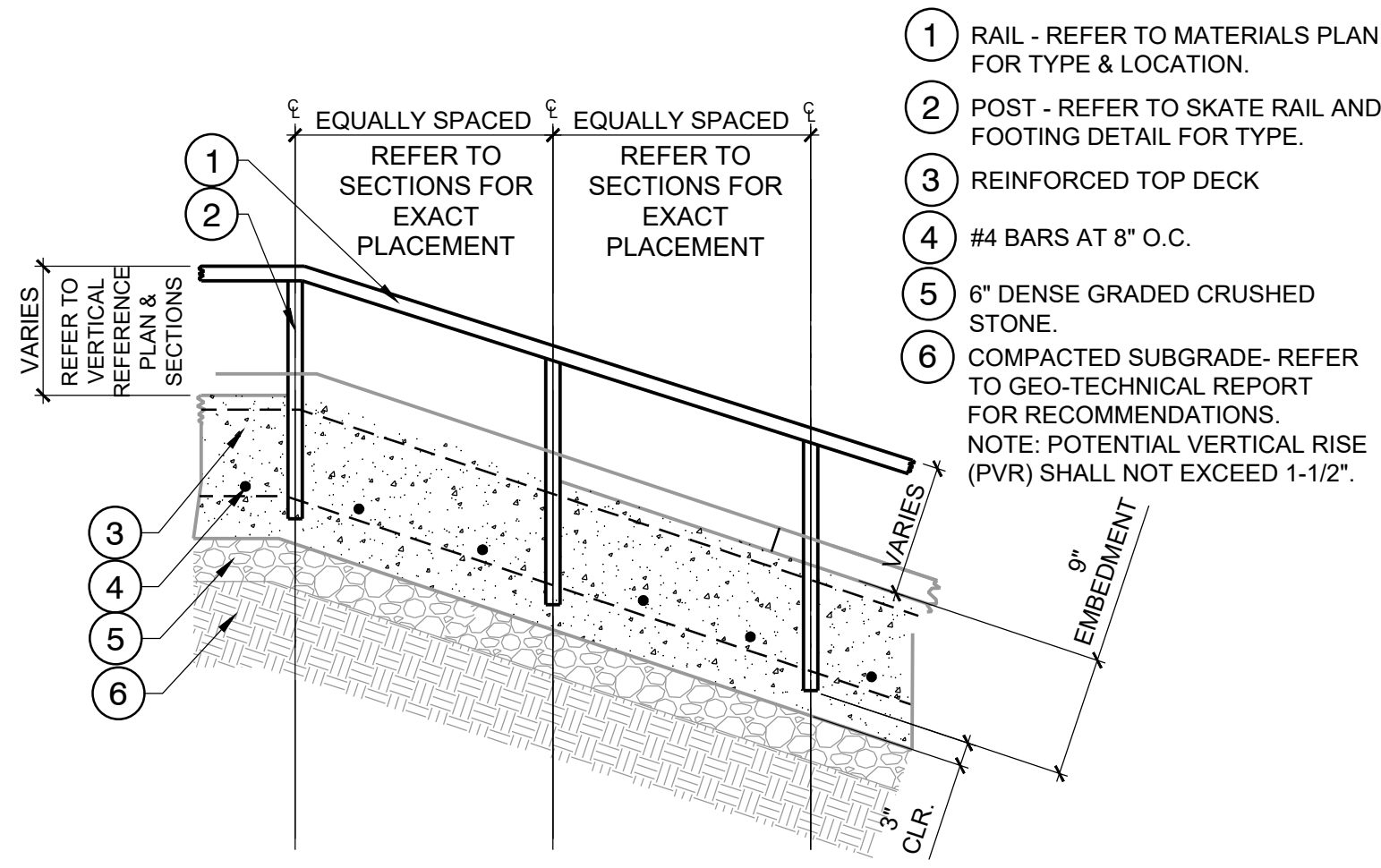
PLOT DATE 12/23/21



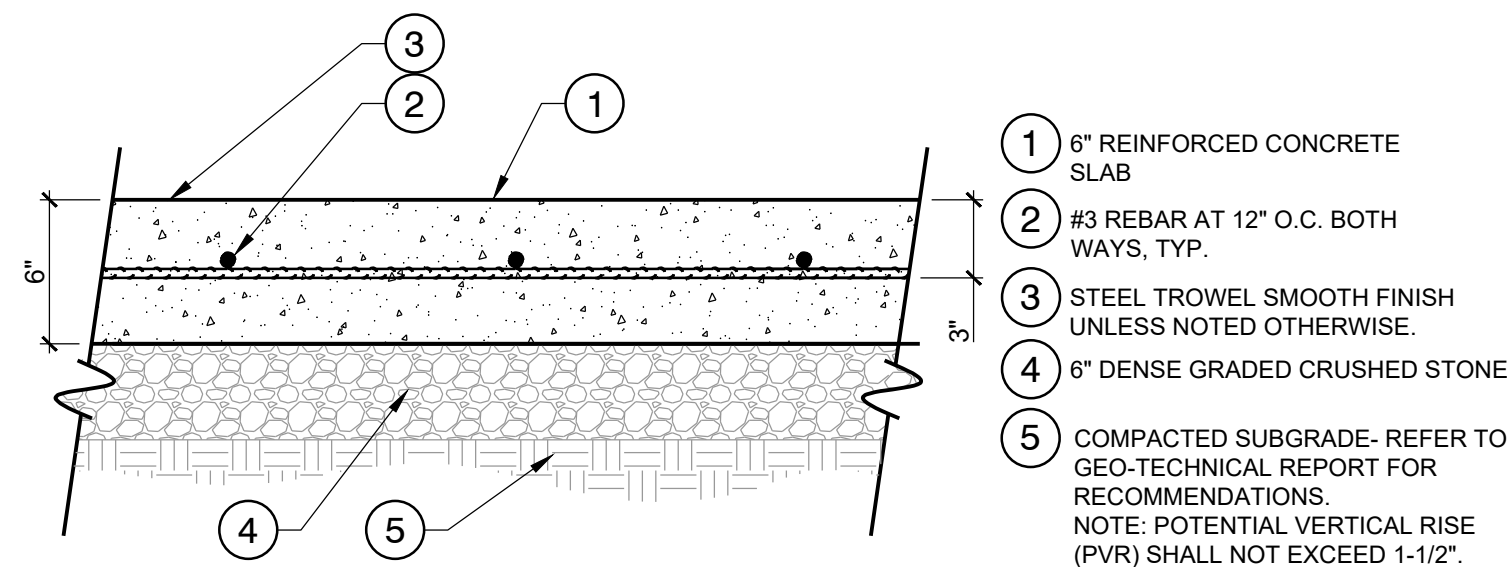
01 LEDGE WITH 6" CANTILEVERED CAP ON THICKENED TOP DECK / BANK
3/4" = 1'-0"



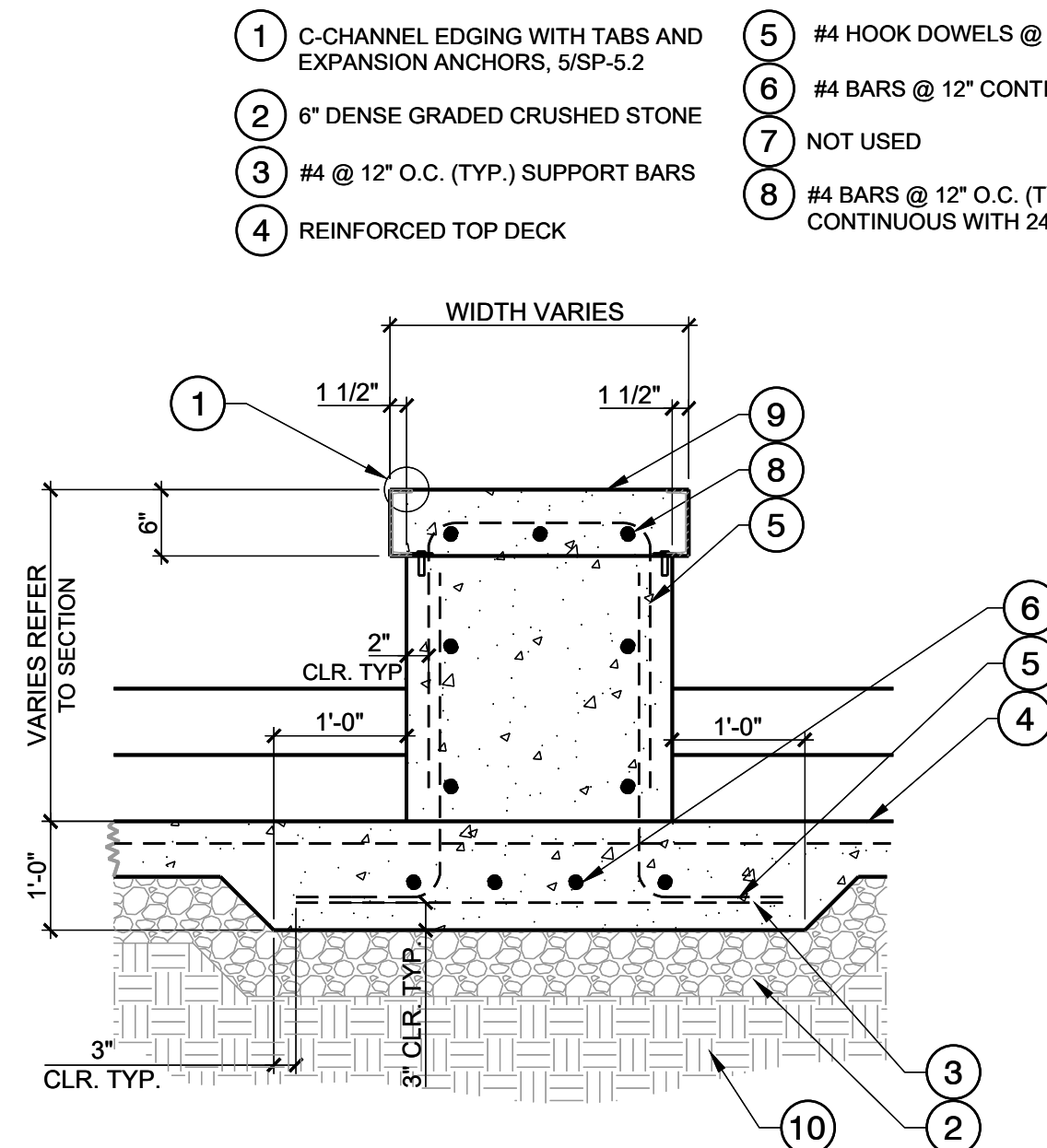
03 FLAT STEEL RAIL
3/4" = 1'-0"



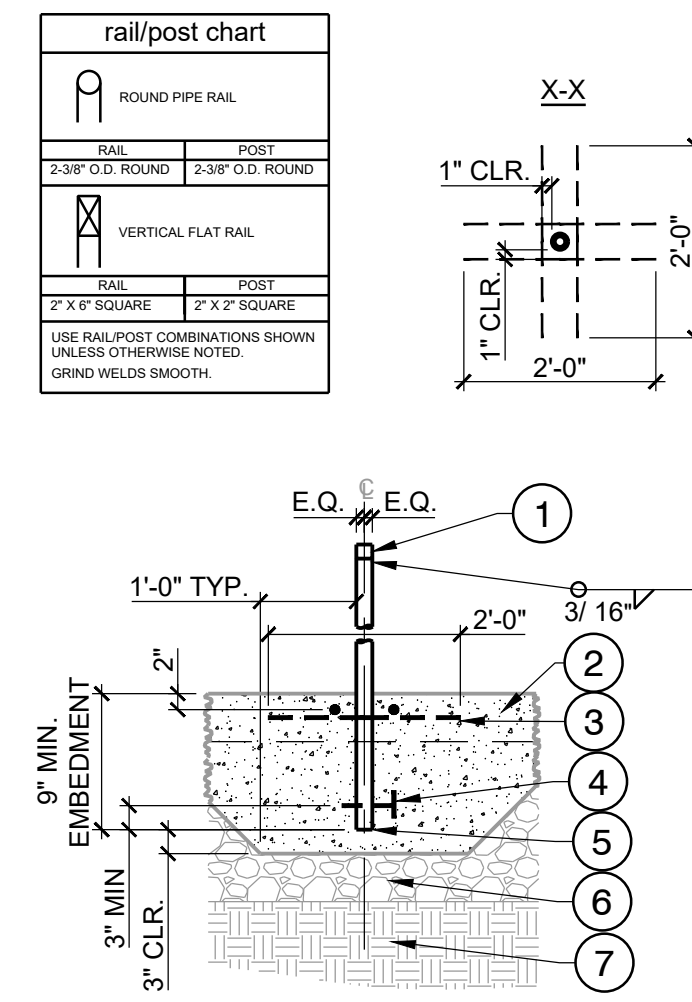
04 SLOPED STEEL RAIL
1/2" = 1'-0"



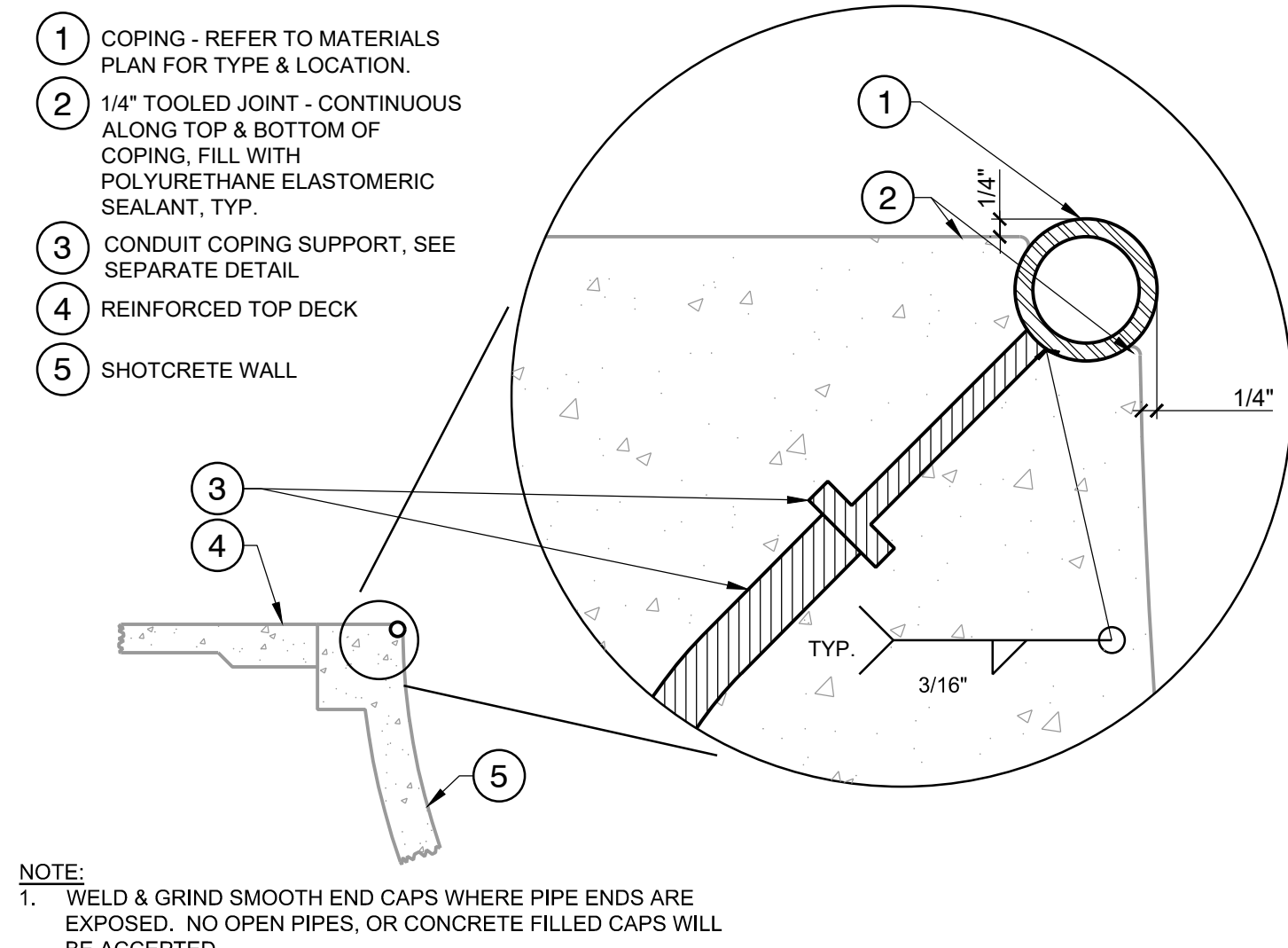
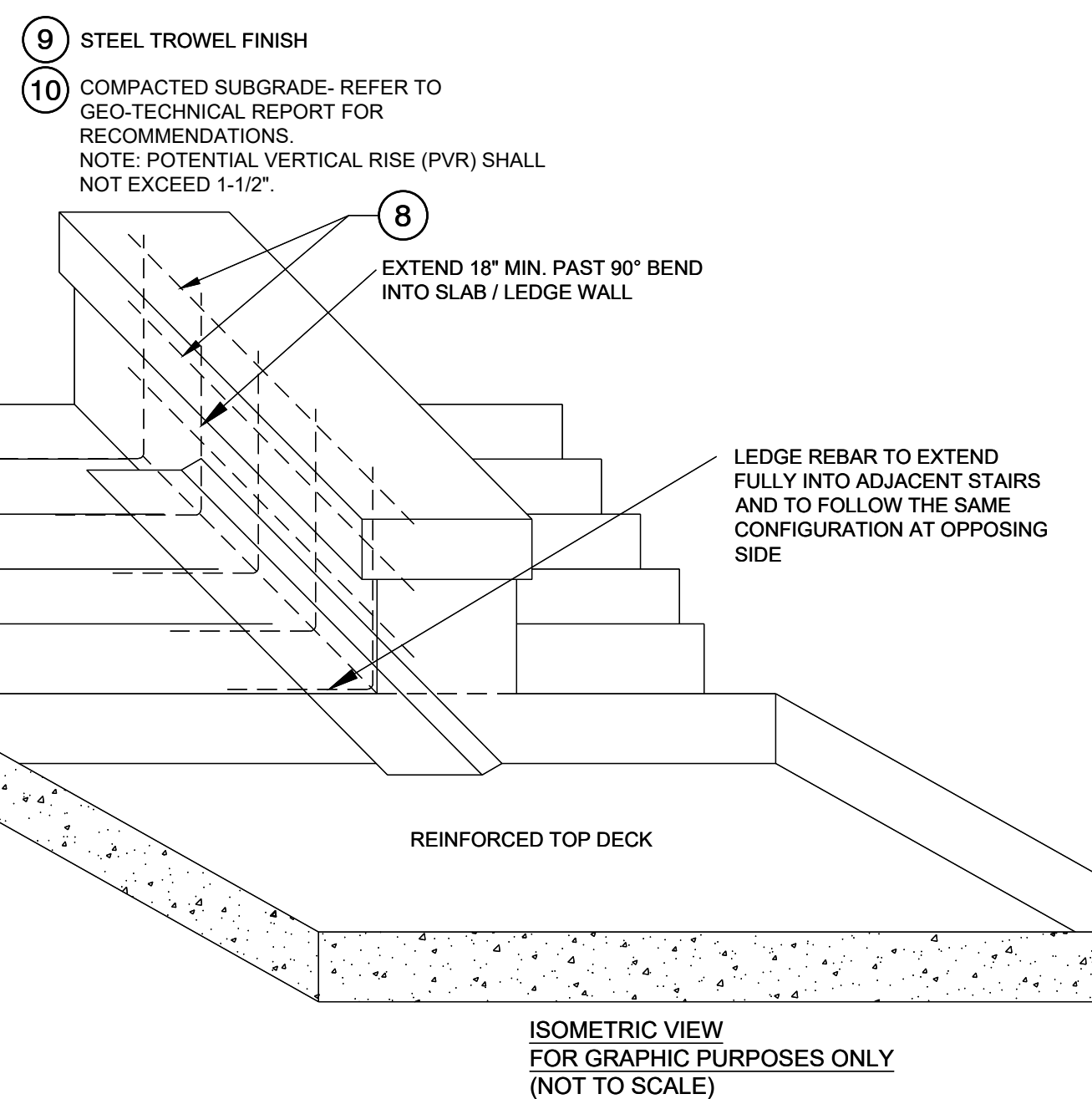
07 6" THK. TOP DECK CONCRETE SLAB
1" = 1'-0"



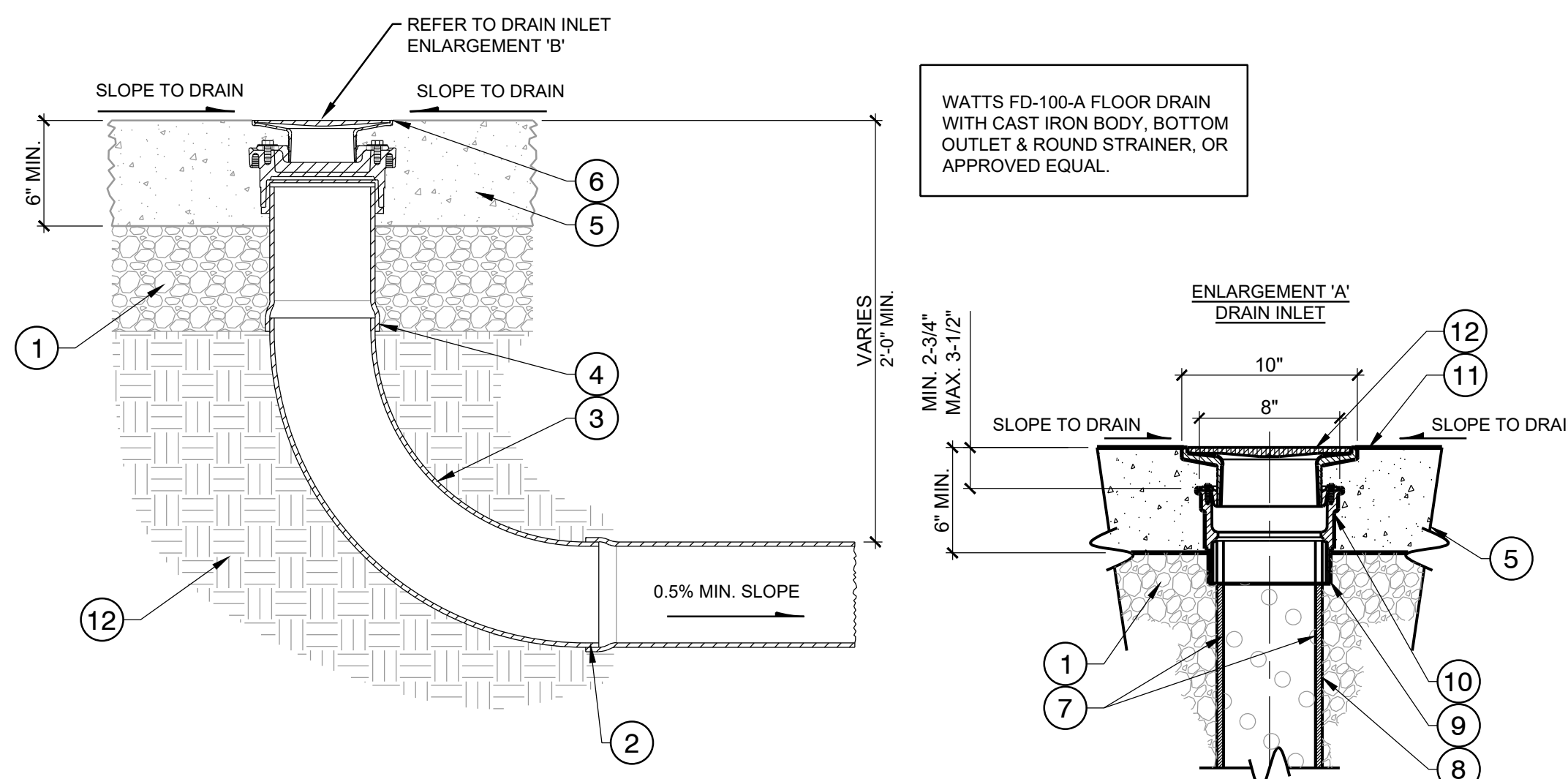
02 LEDGE WITH 6" CANTILEVERED CAP ON THICKENED STAIRS
3/4" = 1'-0"



05 TYPICAL RAIL FOOTING
1/2" = 1'-0"



06 ROUND COPING
1/2" = 1'-0"



08 DRAIN INLET
1 1/2" = 1'-0"



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IMPROVEMENT PROJECT
(CDBG)
PROJECT NO. 04-2021

SHEET NAME:
SKATE PARK
TYPICAL CONSTRUCTION
DETAILS

SURVEY BY:
DESIGN BY:
CADD:
CHECKED BY:
DATE: 12/23/21
SCALE: AS NOTED

SHEET NO.
SP-7
7 OF 7
PLOT DATE 12/23/21