

# PERMIT SET

## REED PARK ALL WHEEL PARK

### PROJECT ADDRESS

250 S ELM ST.  
FRUITA, CO  
81521

### PROJECT DIRECTORY

#### OWNER'S NAME & ADDRESS

City of FrUITa  
3324 N Coulson St.  
FrUITa, CO 81521

PROJECT REPRESENTATIVE:  
MARC MANCUSO, PARKS AND RECREATION (970)858-0360, Ext 6400

#### DESIGN CONSULTANTS

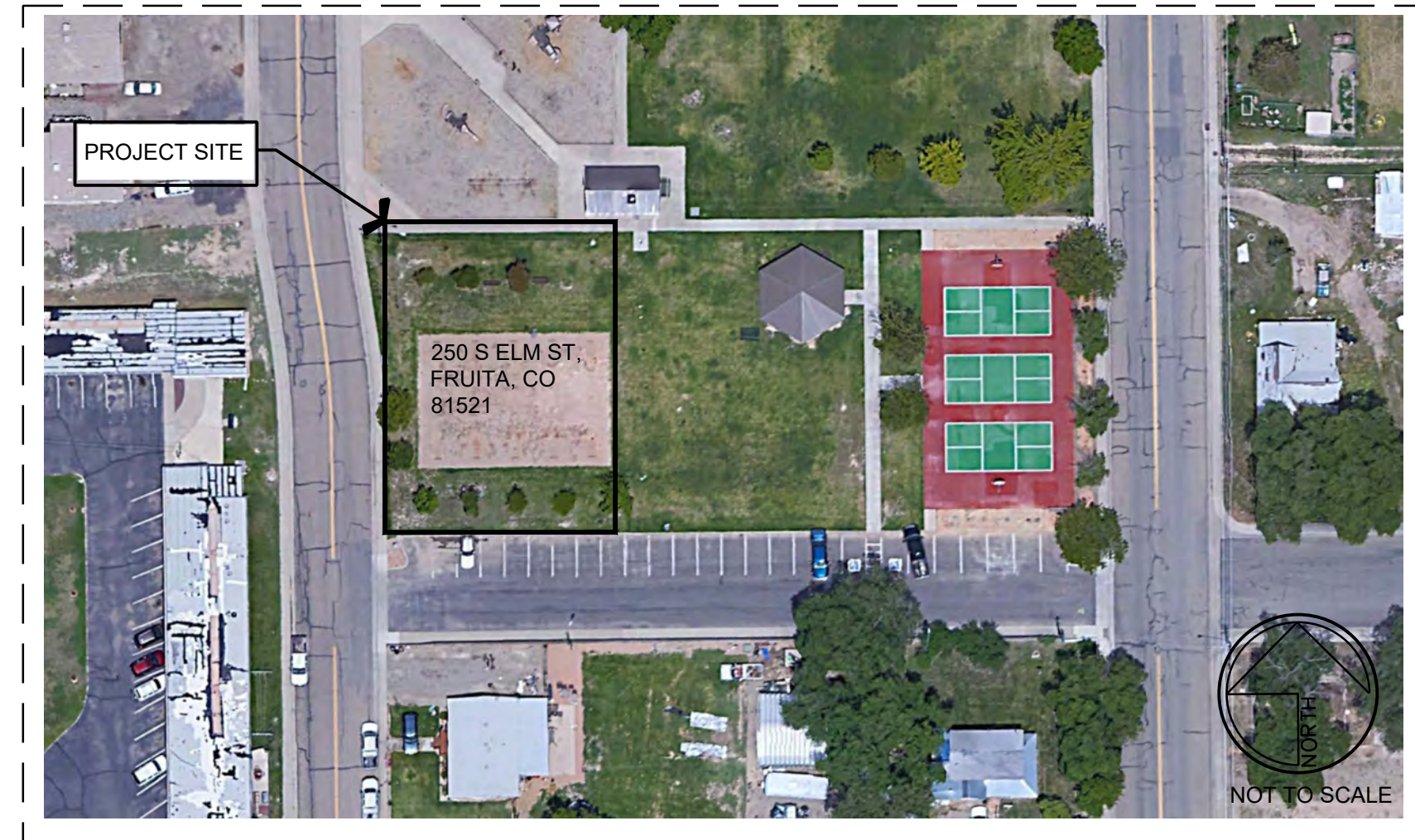
DESIGN WORKSHOP  
22860 Two Rivers Road, Suite 102  
Basalt, CO 81621

CONTACT:  
MARIANNE STUCK, (970) 399 1434

SKATE PARK DESIGNER/ LANDSCAPE ARCHITECT  
ACTION Sports Design, llc.  
12400 W Hwy 71, Suite 350-348  
Austin, TX 78738

CONTACT:  
MIKE MCINTYRE (512) 387-5827

### LOCATION MAP



### GENERAL CONSTRUCTION NOTES

- 1) ALL CONSTRUCTION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.
- 2) ALL CONSTRUCTION TESTING SHALL BE AT THE DISCRETION OF THE CITY OF FRUITA, CO AS TO THE TYPE AND NUMBER. REFER TO SKATE PARK TECHNICAL SPECIFICATIONS.
- 3) ALL EQUIPMENT SHALL HAVE RESIDENTIAL MUFFLER SILENCERS PER OSHA REQUIREMENTS AND MUTCD.
- 4) ANY DETOURING OF TRAFFIC ONTO CITY STREETS SHALL MEET THE TRAFFIC CONTROL REQUIREMENTS OF THE CITY OF FRUITA, CO.
- 5) CONTRACTOR SHALL CALL DIGGERS HOTLINE AT (800) 242-8511 AND OWNER AT LEAST ONE (1) WEEK PRIOR TO START OF CONSTRUCTION FOR LOCATING UNDERGROUND UTILITIES.
- 6) THE LOCATION OF UNDERGROUND UTILITIES AS SHOWN ON THESE PLANS ARE BASED ON THE BEST INFORMATION. HOWEVER, THE CITY OF FRUITA, CO, ENGINEER AND LANDSCAPE ARCHITECT ASSUME NO RESPONSIBILITY FOR THE ACCURACY OF THE INFORMATION SHOWN, OR FOR THE INADVERTENT OMISSION OF ANY SUCH INFORMATION. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY COMPANIES AND OTHER CONTRACTORS WORKING WITHIN THE LIMITS OF THIS PROJECT.
- 7) DETOURING OF PEDESTRIANS SHALL BE ACCOMPLISHED WITH ADEQUATE SIGNS AT A SAFE LOCATION.

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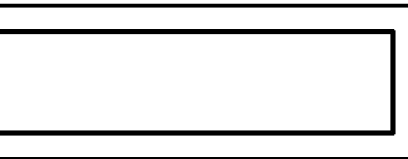
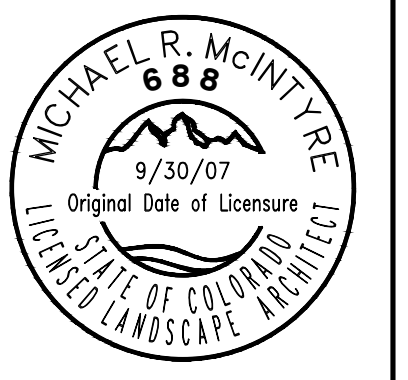
SHEET NO.	SHEET TITLE
SP-0.00	PROJECT COVER SHEET
SP-1.00	SKATEPARK- NOTES
SP-1.01	SKATEPARK-FEATURE PLAN
SP-1.02	SKATEPARK-CONCRETE FOUNDATION PLAN
SP-1.03	SKATEPARK-CONCRETE MATERIALS PLAN
SP-1.04	SKATEPARK-CONCRETE JOINTING PLAN
SP-1.05	SKATEPARK-CONCRETE COLOR PLAN
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SP-2.01	SKATEPARK- POINTS LAYOUT PLAN & TABLES
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SP-5.01	SKATEPARK-CONSTRUCTION DETAILS
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SP-5.06	SKATEPARK-CONSTRUCTION DETAILS

### SUBMITTALS

60 % 05/09/2023  
90 % 05/19/2023  
PERMIT 08/03/2023



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PROJECT: <b>REED PARK ALL WHEEL PARK</b> City of FrUITa, CO	SHEET TITLE: <b>SKATE PARK COVER SHEET</b>
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ISSUE DATE:  
08/03/2023

DRAWN BY:  
ASD

CHECKED BY:  
ASD

REVISIONS:

1	_____
2	_____
3	_____

SHEET NUMBER:  
**SP0.00**



## SKATE PARK - DESIGN CRITERIA

THESE GENERAL STRUCTURAL NOTES APPLY UNLESS OTHERWISE NOTED.

CODE: COMPLY WITH CURRENT LOCAL BUILDING CODE.

SEISMIC:  
SEISMIC USE GROUP  
SPECTRAL RESPONSE: S<sub>ds</sub> = 0.758  
S<sub>d1</sub> = 0.432  
SITE CLASS "D"

WIND:  
BASIC WIND SPEED (V) = 120 MPH  
IMPORTANCE FACTOR I = 1.0  
WIND EXPOSURE "C"

## SKATE PARK - STRUCTURAL NOTES

### 1. SPECIAL STRUCTURAL INSPECTION

- 1.1 THE CITY WILL 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 > 2500 PSI, EXCEPT SLABS ON GRADE. PROVIDE STATEMENT OF SPECIAL INSPECTIONS PER 1704.3 AND SCHEDULE OF INSPECTIONS (CONTINUOUS / PERIODIC) PER 1705 FOR ALL REQUIRED SPECIAL INSPECTION ELEMENTS. SCHEDULE OF SPECIAL INSPECTIONS WILL BE PROVIDED DURING CONSTRUCTION.
  - 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 FOR CONCLUSIONS / RECOMMENDATIONS ON FOUNDATIONS, EXCAVATION, ETC. GEO-TECHNICAL REPORT IS INCLUDED IN THE APPENDIX OF THE PROJECT'S TECHNICAL SPECIFICATIONS.
- 2.2 THE STRUCTURAL ENGINEER IS NOT RESPONSIBLE FOR ANY GEO-TECHNICAL ASPECTS OF THIS PROJECT. THE CLIENT 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, USE LENTON FORM SAVERS DOWEL BAR DEVICES AS MANUFACTURED BY ERICO PRODUCTS, INC. OR APPROVED EQUIVALENT MAY BE USED. SIZES AND TYPES SHALL BE SELECTED TO DEVELOP THE FULL TENSION STRENGTH OF THE BAR PER ICC-ES RESEARCH REPORT.
- 3.3 DEVELOP AT LEAST 125 PERCENT OF THE TENSION OR COMPRESSION BAR YIELD STRENGTH 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, F<sub>y</sub>=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 FILLING OF SEAMS AND 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-258
- 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. A COPY OF THE LICENSE AND PROOF OF INSURANCE SHALL BE PROVIDED BEFORE STARTING ANY WORK.

## SKATE PARK - GENERAL CONSTRUCTION NOTES

### 1. GENERAL

- 1.1 CONSIDER GENERAL NOTES AS APPLYING TO ALL DRAWINGS.
- 1.2 NOTIFY CLIENT REPRESENTATIVE OF ANY DISCREPANCIES TO THESE PLANS IMMEDIATELY.
- 1.3 PERFORM ALL WORK IN ACCORDANCE WITH ALL APPLICABLE NATIONAL, STATE AND/OR LOCAL BUILDING CODES.
- 1.4 THE CLIENT 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.
- 1.5 THE CLIENT WILL PROVIDE SPECIAL INSPECTIONS 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 WARRANT ALL OF THEIR WORK DURING CONSTRUCTION AND A MINIMUM OF ONE (1) YEAR AFTER THE PROJECT IS ACCEPTED AS COMPLETE.

### 2. CONCRETE WORK

- 2.1 CONCRETE MIXES SHALL BE DESIGNED BY A TESTING LABORATORY AND SUBMITTED TO THE CLIENT REPRESENTATIVE FOR APPROVAL. MIXES SHALL CONFORM TO APPLICABLE BUILDING CODE REQUIREMENTS, REGARDLESS OF OTHER MINIMUM REQUIREMENTS SPECIFIED HEREIN OR ON THE DRAWINGS. 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" MAX.	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" MAX.	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 CURRENT LOCAL BUILDING CODE.

2.7 CONCRETE SHALL BE PLACED WITHIN 90 MINUTES OF BATCHING AND SHALL NOT EXCEED A TEMPERATURE OF 90°F UNLESS PRE-APPROVED BY CITY / COUNTY REPRESENTATIVE.

2.8 CONCRETE CYLINDERS SHALL BE TAKEN AND TESTED PER CODE BY A CLIENT-PROVIDED TESTING LABORATORY FOR STRUCTURAL POURS. ONE (1) FOR EVERY FIFTY (50) YARDS OF CONCRETE. HISTORICAL DATA SHALL BE SUBMITTED AND APPROVED PRIOR TO THE POUR, IF NO TEST SAMPLES ARE TAKEN FOR POURS LESS THAN FIFTY (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 C309. APPLY AT A RATE SUFFICIENT TO RETAIN MOISTURE, BUT NOT LESS THAN ONE (1) GALLON (4.55L) PER 200 SQUARE FEET. COVER CONCRETE WITH POLYETHYLENE PLASTIC TO MAINTAIN TEMPERATURE IF NECESSARY. LAP SEAMS IN THE PLASTIC SIX INCHES (6") AND TAPE, WEIGH DOWN THE PLASTIC AS NEEDED.

2.10 THE CONTRACTOR SHALL SUBMIT PRODUCTS / METHODS FOR APPROVAL TO THE CLIENT 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.

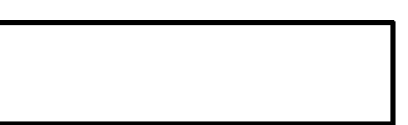
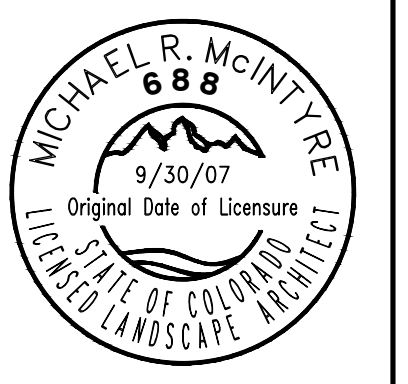
2.18 MAKE ALL HOOKS ACI 318-11 STANDARD HOOKS UNLESS OTHERWISE NOTED. PROVIDE 135 DEGREE MINIMUM TURN, PLUS 4" EXTENSION AT FREE ENDS OF COLUMN PILASTER TIES.

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.



REED PARK ALL WHEEL PARK City of Fruita, CO	SKATE PARK NOTES
PROJECT:	SHEET TITLE:

ISSUE DATE:  
08/03/2023

DRAWN BY:  
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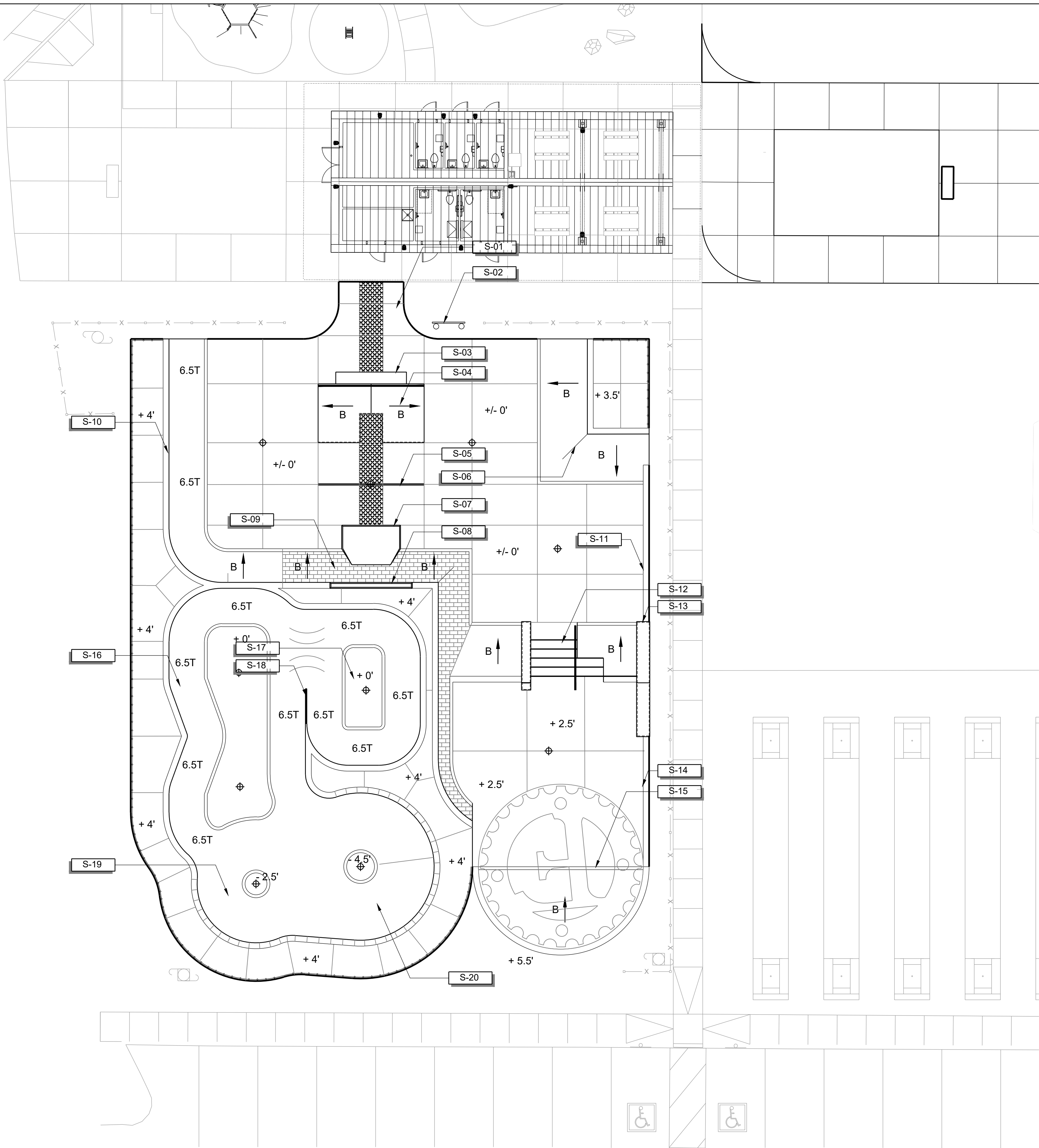
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REVISIONS:

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SHEET NUMBER:  
SP1.00





**SKATE PARK FEATURE LEGEND**

SYMBOL	DESCRIPTION
S-01	SKATE PARK ENTRY
S-02	RULES AND REGULATIONS SIGN
S-03	GRIND LEDGE
S-04	A-FRAME WITH RAIL AND BUMP TO BUMP GAP
S-05	FLAT RAIL
S-06	3'-6" BANKED HIP
S-07	MANUAL PAD IN BANK
S-08	BANK TO CURB
S-09	STAMPED BRICK BANK
S-10	4' QUARTERPIPE
S-11	SLAPPY CURB
S-12	5 STAIR WITH HUBBA, HANDRAIL, AND STEP UP GAP
S-13	FLAT-DOWN HUBBA
S-14	SLAPPY CURB
S-15	MELLOW BANK WITH CURB EDGE
S-16	FLOW BOWL
S-17	MINI RAMP ZONE
S-18	SPINE TRANSFER
S-19	6'-6" DEEP POCKET WITH POOL COPING
S-20	8'-6" DEEP POCKETED WITH POOL COPING
T	RADIUS OF WALL, REFER TO SKATE PARK SECTIONS
B	BANK / EMBANKMENT WALL WITH SLOPE AND/OR RADIUS AT BASE, REFER TO SKATE PARK SECTIONS

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 www.ActionSportsDesign.com

PROJECT:

REED PARK ALL WHEEL PARK  
 City of Fruita, CO

SHEET TITLE:  
 SKATE PARK  
 FEATURE PLAN

ISSUE DATE:  
 08/03/2023

DRAWN BY:  
 ASD

CHECKED BY:  
 ASD

REVISIONS:

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2	
3	

SHEET NUMBER:  
 SP1.01



**CONCRETE FOUNDATION & WALL LEGEND**

SYMBOL	DESCRIPTION	STRENGTH	CURE TIME	FINISH	DETAIL
-----	CF-01 TURNDOWN WALL ADJ. TO GRADE	4,000 P.S.I.	28 DAYS	SMOOTH TROWEL	03/SP5.04
▨	CF-02 LEDGE / RAIL FOUNDATION - THICKENED TOP DECK, BANK, OR STAIRS	4,000 P.S.I.	28 DAYS	SMOOTH TROWEL	01-02/SP5.02
-----	CF-03 TURNDOWN WALL ON THICKENED DECK	4,000 P.S.I.	28 DAYS	SMOOTH TROWEL	02/SP5.04

**CONCRETE MATERIAL NOTES**

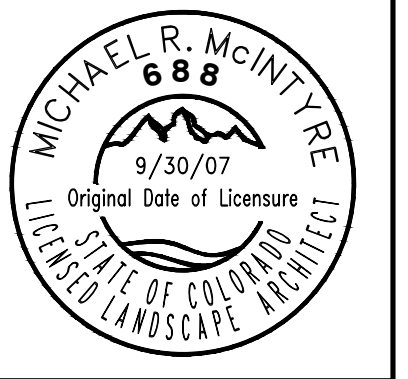
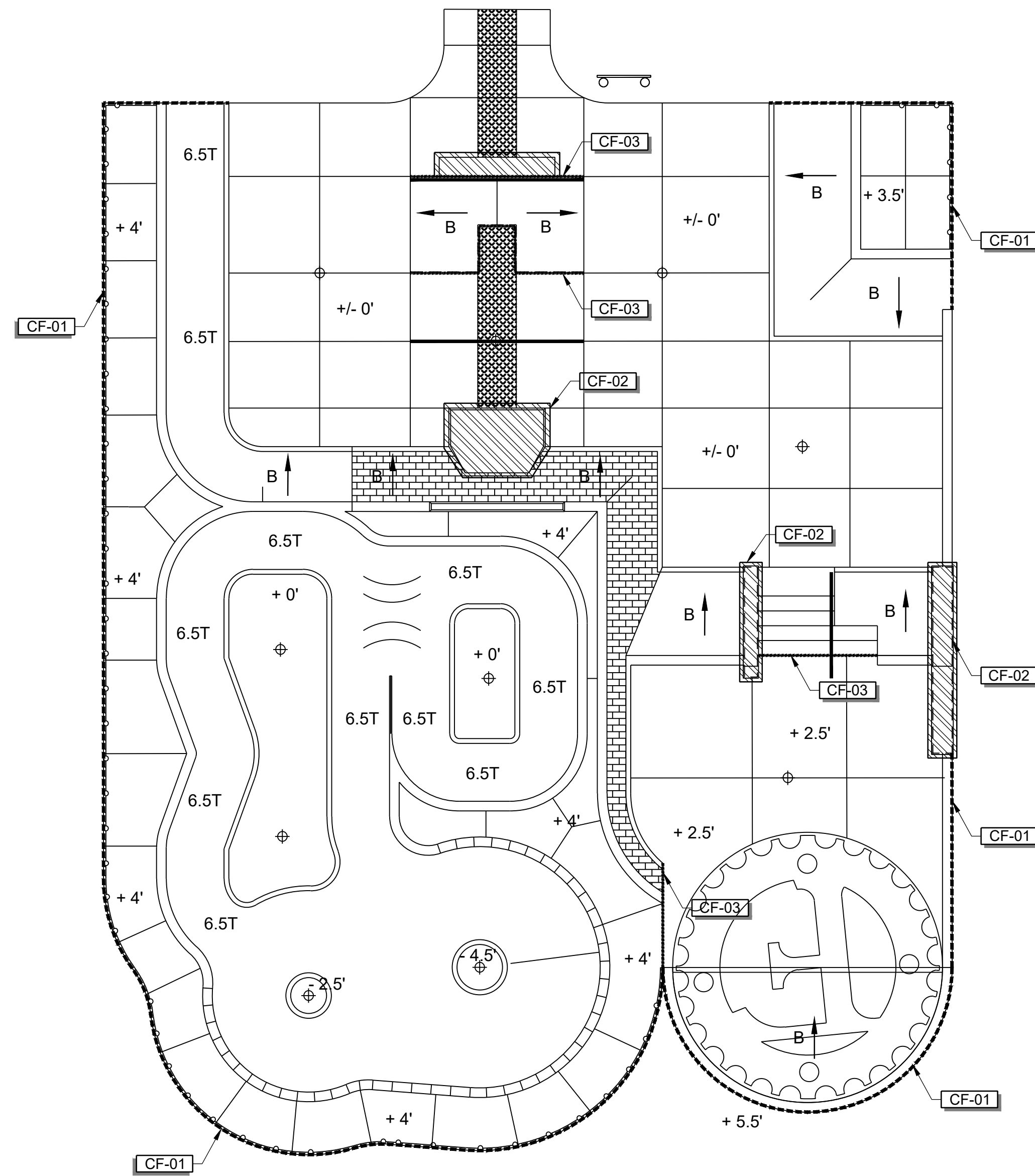
- CONTRACTOR TO SUBMIT POUR SCHEDULE FOR REVIEW AND APPROVAL BY SKATE PARK DESIGNER.
- CONTRACTOR TO SUBMIT PROPOSED START AND STOP FORM LOCATIONS FOR ALL CONCRETE WORK SHOWN FOR REVIEW AND APPROVAL BY SKATE PARK DESIGNER.
- CONTRACTOR TO BUILD ALL TEMPLATES AND FORMS WITH TRUE ARCS AND TANGENTS MATCHING SECTIONS AND PROFILE DIMENSIONS WITHIN THE CONSTRUCTION DOCUMENTS.
- CONTRACTOR TO POUR ON-SITE SAMPLES OF CAST-IN-PLACE AND SHOTCRETE WORK PER THE SPECIFICATIONS. SAMPLES CANNOT BE PART OF THE PROJECT WORK.
- ALL CONCRETE FINISH WORK TO BE PERFORMED BY QUALIFIED CONTRACTOR WHO IS ABLE TO MEET THE TOLERANCES MENTIONED IN THE PROJECT'S TECHNICAL SPECIFICATIONS.
- FINISH WORK NOT MEETING THE TOLERANCES, FINISH AND TOOLING FROM ON-SITE SAMPLES WILL BE REJECTED.
- CONTRACTOR TO VERIFY FEATURE ELEVATIONS WITH SECTIONS. IF A DISCREPANCY OCCURS, CONTRACTOR SHALL CONTACT SKATE PARK DESIGNER IMMEDIATELY.
- ALL BANKS LESS THAN 3' HIGH MAY BE CAST IN PLACE, IN LIEU OF SHOTCRETE, UPON SKATE PARK DESIGNER'S APPROVAL.

**CONCRETE POUR SEQUENCE GUIDELINES**

CONTRACTOR TO COORDINATE ALL PROJECT SAMPLE REVIEWS, PROGRESS SITE VISITS WITH CLIENT REPRESENTATIVE AND/OR SKATE PARK DESIGNER IN ADVANCE. CONTRACTOR TO SUBMIT POUR SCHEDULE FOR REVIEW AND APPROVAL PRIOR TO COMMENCING WORK.

THE FOLLOWING IS A SEQUENCING GUIDELINE FOR THE CONTRACTOR'S SUBMITTAL:

- INSTALL ALL CAST-IN-PLACE FORMS & METAL FABRICATIONS.
- POUR ALL CAST-IN-PLACE LEDGES, BREAK FORMS AND FINISH.
- INSTALL ALL METAL FABRICATIONS FOR SHOTCRETE AREAS AND FORM WORK.
- INSTALL ALL REQUIRED REBAR PER PLANS AND SPECIFICATIONS.
- INSTALL ALL SHOTCRETE AND SPECIALTY POURS PER PLANS AND SPECIFICATIONS.
- BREAK ALL SHOTCRETE AND SPECIALTY FORMS PRIOR TO POURING FLATWORK.
- POUR ALL TOP DECKS.
- POUR ALL BOTTOM AREAS LAST.



PROJECT: REED PARK ALL WHEEL PARK  
City of Fruita, CO

SHEET TITLE: SKATE PARK  
CONCRETE FOUNDATION PLAN

ISSUE DATE:  
08/03/2023

DRAWN BY:  
ASD

CHECKED BY:  
ASD

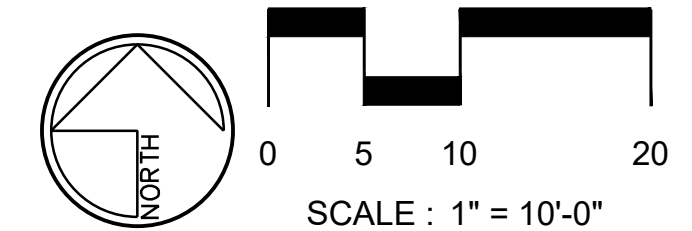
REVISIONS:

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SHEET NUMBER:  
SP1.02





**CONCRETE MATERIAL LEGEND**

SYMBOL	DESCRIPTION	STRENGTH	CURE TIME	FINISH	DETAIL
	CM-01 5" THK. CONCRETE SLAB	4,000 P.S.I.	28 DAYS	SMOOTH TROWEL	01/SP5.01
	CM-02 6" THK. SHOTCRETE BOWL / BANK	4,000 P.S.I.	28 DAYS	SMOOTH TROWEL	06-07/SP5.01
	CM-03 CAPPED CAST IN PLACE LEDGE	4,000 P.S.I.	28 DAYS	SMOOTH TROWEL	01-02/SP5.02
	CM-04 CAST IN PLACE STAIRS	4,000 P.S.I.	28 DAYS	SMOOTH TROWEL	03/SP5.02
	CM-05 6" THK. FLAT BOTTOM	4,000 P.S.I.	28 DAYS	SMOOTH TROWEL	01/SP5.03
	CM-06 6" THK. SHOTCRETE BANK WITH "BRICK" STENCIL	4,000 P.S.I.	28 DAYS	SMOOTH TROWEL	07/SP5.05
	CM-07 CAST IN PLACE CURB	4,000 P.S.I.	28 DAYS	SMOOTH TROWEL	06/SP5.06

**CONCRETE MATERIAL NOTES**

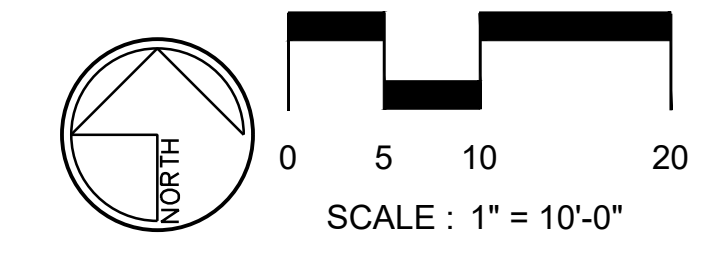
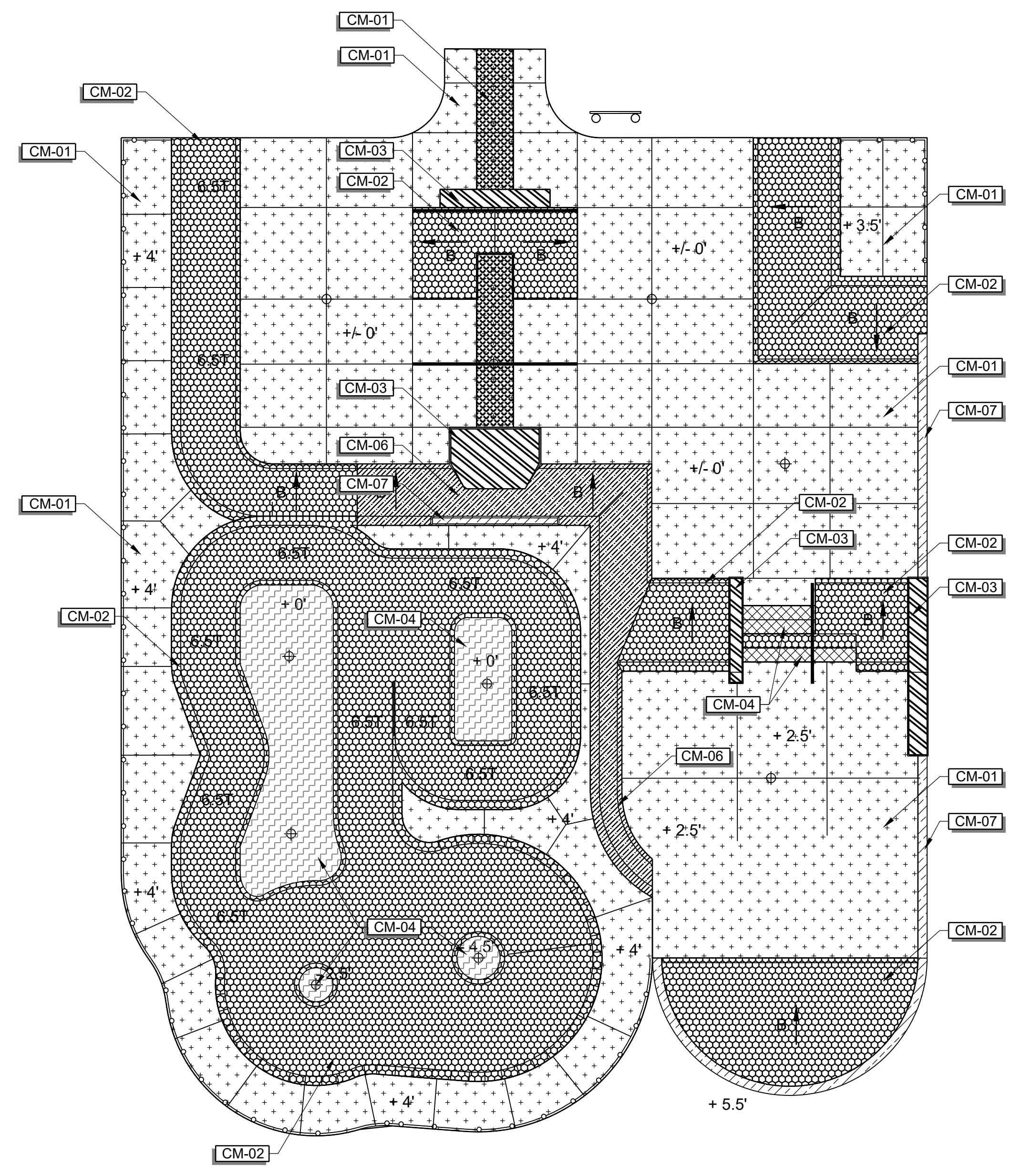
- CONTRACTOR TO SUBMIT POUR SCHEDULE FOR REVIEW AND APPROVAL BY SKATE PARK DESIGNER.
- CONTRACTOR TO SUBMIT PROPOSED START AND STOP FORM LOCATIONS FOR ALL CONCRETE WORK SHOWN FOR REVIEW AND APPROVAL BY SKATE PARK DESIGNER.
- CONTRACTOR TO BUILD ALL TEMPLATES AND FORMS WITH TRUE ARCS AND TANGENTS MATCHING SECTIONS AND PROFILE DIMENSIONS WITHIN THE CONSTRUCTION DOCUMENTS.
- CONTRACTOR TO POUR ON-SITE SAMPLES OF CAST-IN-PLACE AND SHOTCRETE WORK PER THE SPECIFICATIONS. SAMPLES CANNOT BE PART OF THE PROJECT WORK.
- ALL CONCRETE FINISH WORK TO BE PERFORMED BY QUALIFIED CONTRACTOR WHO IS ABLE TO MEET THE TOLERANCES MENTIONED IN THE PROJECT'S TECHNICAL SPECIFICATIONS.
- FINISH WORK NOT MEETING THE TOLERANCES, FINISH AND TOOLING FROM ON-SITE SAMPLES WILL BE REJECTED.
- CONTRACTOR TO VERIFY FEATURE ELEVATIONS WITH SECTIONS. IF A DISCREPANCY OCCURS, CONTRACTOR SHALL CONTACT SKATE PARK DESIGNER IMMEDIATELY.
- ALL BANKS LESS THAN 3' HIGH MAY BE CAST IN PLACE, IN LIEU OF SHOTCRETE, UPON SKATE PARK DESIGNER'S APPROVAL.

**CONCRETE POUR SEQUENCE GUIDELINES**

CONTRACTOR TO COORDINATE ALL PROJECT SAMPLE REVIEWS, PROGRESS SITE VISITS WITH CLIENT REPRESENTATIVE AND/OR SKATE PARK DESIGNER IN ADVANCE. CONTRACTOR TO SUBMIT POUR SCHEDULE FOR REVIEW AND APPROVAL PRIOR TO COMMENCING WORK.

THE FOLLOWING IS A SEQUENCING GUIDELINE FOR THE CONTRACTOR'S SUBMITTAL:

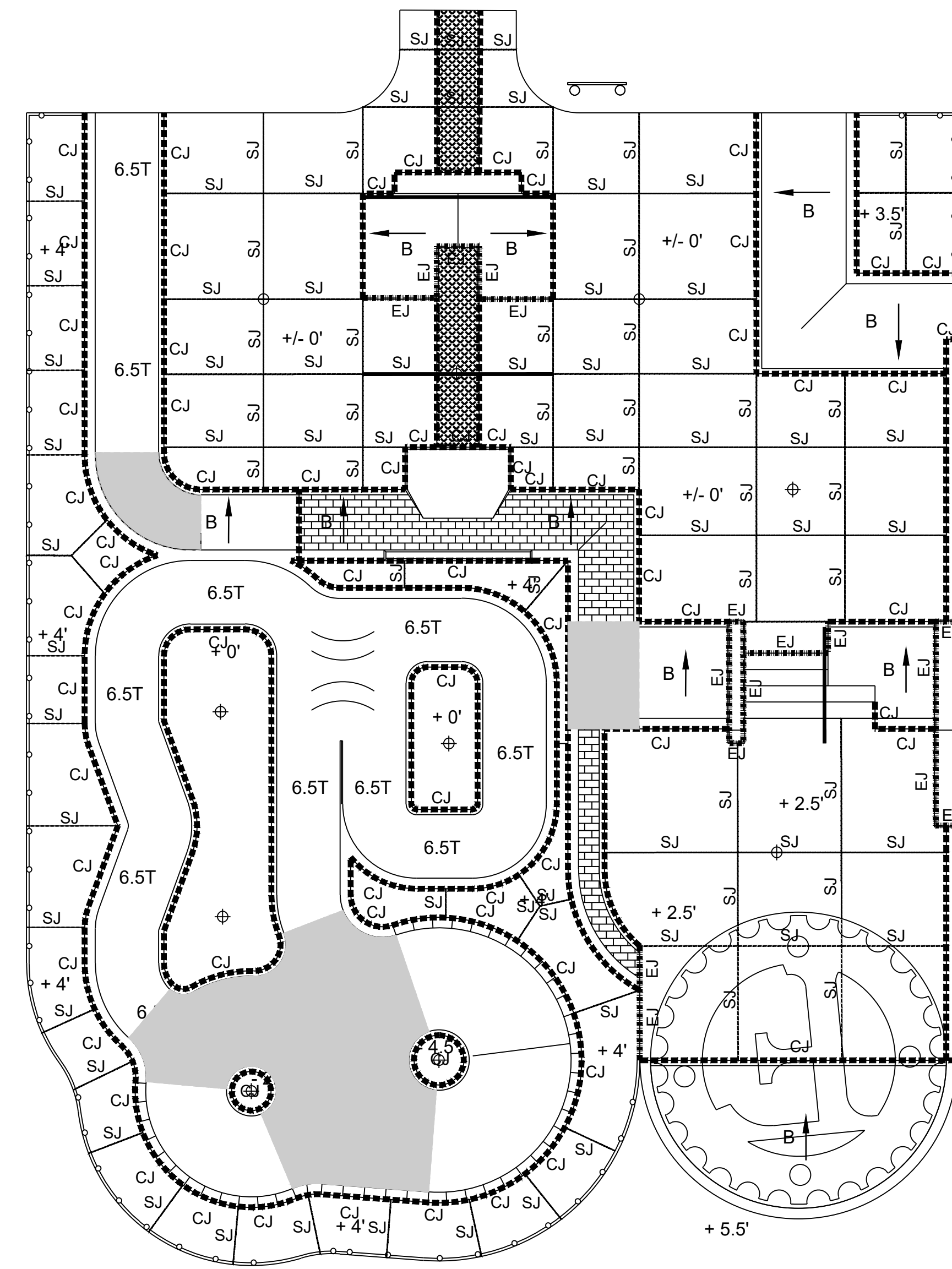
- INSTALL ALL CAST-IN-PLACE FORMS & METAL FABRICATIONS.
- POUR ALL CAST-IN-PLACE LEDGES, BREAK FORMS AND FINISH.
- INSTALL ALL METAL FABRICATIONS FOR SHOTCRETE AREAS AND FORM WORK.
- INSTALL ALL REQUIRED REBAR PER PLANS AND SPECIFICATIONS.
- INSTALL ALL SHOTCRETE AND SPECIALTY POURS PER PLANS AND SPECIFICATIONS.
- BREAK ALL SHOTCRETE AND SPECIALTY FORMS PRIOR TO POURING FLATWORK.
- POUR ALL TOP DECKS.
- POUR ALL BOTTOM AREAS LAST.





**CONCRETE JOINTING LEGEND**

SYMBOL	DESCRIPTION	DETAIL
-----	CJ - CONSTRUCTION JOINT	02-04.07 /SP5.03
.....	SJ - SAWCUT JOINT	05/SP5.03
-----	EJ - EXPANSION JOINT (SEE NOTES 10 & 11)	06/SP5.03
■	SCULPTURAL BLEND ZONE PROVIDE CUSTOM CONCRETE BLENDING FOR SMOOTH TRANSITIONS. THESE AREAS TYPICALLY REQUIRE GREATER HAND WORK AND QUALITY CONTROL TO ENSURE THAT BLENDS DO NOT RESULT IN IRREGULAR CONCRETE SURFACE CONDITIONS. THESE AREAS NEED TO BE REVIEWED AND APPROVED AT THE FINE GRADING STAGE, PRIOR TO CONCRETE PLACEMENT, BY THE SKATE PARK DESIGNER.	



**CONCRETE JOINTING NOTES**

1. CONSTRUCT JOINTS TRUE TO LINE WITH FACES PERPENDICULAR TO SURFACE PLANE OF CONCRETE.
2. CONSTRUCTION JOINTS: INSTALL SO STRENGTH AND APPEARANCE OF CONCRETE ARE NOT IMPAIRED, AT LOCATIONS INDICATED AND APPROVED BY SKATE PARK DESIGNER.
3. PLACE JOINTS PERPENDICULAR TO MAIN REINFORCEMENT. CONTINUE REINFORCEMENT ACROSS CONSTRUCTION JOINTS, UNLESS OTHERWISE INDICATED.
4. SAWED JOINTS: FORM CONTRACTION JOINTS WITH POWER SAWS EQUIPPED WITH SHATTERPROOF ABRASIVE OR DIAMOND-RIMMED BLADES. CUT 1/8-INCH WIDE JOINTS INTO CONCRETE WHEN CUTTING ACTION WILL NOT TEAR, ABRASE, OR OTHERWISE DAMAGE SURFACE AND BEFORE CONCRETE DEVELOPS RANDOM CONTRACTION CRACKS.
5. ALL CONTROL JOINTS SHALL BE SEALED PER REFERENCED DETAILS.
6. CLEAN ALL JOINTS THOROUGHLY DEBRIS AND DUST FREE PRIOR TO ANY SEALANT APPLICATION.
7. CONCRETE MUST BE CURED TO SPECIFIED STRENGTH PRIOR TO APPLYING SEALANT.
8. CONTRACTOR MUST SUBMIT A POUR SCHEDULE DESIGNATING ALL START AND STOP FORM LOCATIONS PRIOR TO START OF CONSTRUCTION.
9. THE JOINTING PLAN IS DIAGRAMMATIC IN NATURE. CONTRACTOR TO APPLY ADDITIONAL JOINTING AND CRACK PREVENTION MEASURES AS NECESSARY.
10. EXPANSION JOINT AT FLATWORK: 1/4" WIDE PER 06/SP5.03.
11. EXPANSION JOINT BETWEEN WALL / CURB AND FLATWORK: 1/2" WIDE WITH ELASTOMERIC SEALANT, TOOL FLAT & SMOOTH SIKAFLEX-1C-SL OR EQUAL. PROVIDE BOND BREAKER MEMBRANE 1/2" MIN. FROM SURFACE. MINIMUM CAULKING THICKNESS WITH BOND BREAKER IN PLACE IS 1/2".

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 Phone: (512) 387-5827  
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MICHAEL R. MCINTYRE  
 688  
 9/30/07  
 Original Date of Licensure  
 STATE OF COLORADO  
 LICENSED LANDSCAPE ARCHITECT

PROJECT:

REED PARK ALL WHEEL PARK  
 City of Fruita, CO

SHEET TITLE:  
 SKATE PARK  
 CONCRETE JOINTING PLAN

ISSUE DATE:  
 08/03/2023

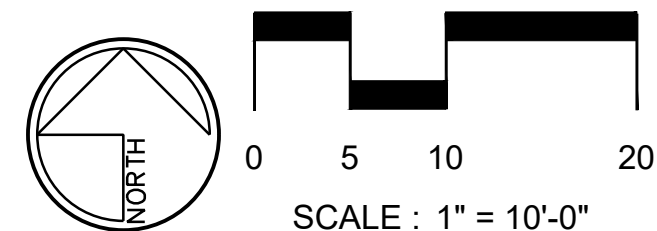
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 ASD

CHECKED BY:  
 ASD

REVISIONS:

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SHEET NUMBER:  
 SP1.04





**CONCRETE COLOR LEGEND**

SYMBOL	DESCRIPTION
	<b>CC-01</b> NATURAL GRAY
	<b>CC-02</b> CANTILEVERED LEDGE CAP: NATURAL GRAY LEDGE BASE: TERRA COTTA / DAVIS COLORS 10134 (OR APPROVED EQUAL)
	<b>CC-03</b> GRAPHITE / DAVIS COLORS 8084 (OR APPROVED EQUAL), INTEGRAL COLOR
	<b>CC-04</b> TERRA COTTA / DAVIS COLORS 10134, INTEGRAL COLOR
	<b>CC-05</b> TERRA COTTA / DAVIS COLORS 10134, INTEGRAL COLOR SPECIAL PAVING - STENCILED BRICK PATTERN. METHOD OF APPLICATION TO BE SELECTED. CONTRACTOR TO SUBMIT PATTERN AND COLOR SAMPLES FOR APPROVAL

**CONCRETE POUR SEQUENCE GUIDELINES**

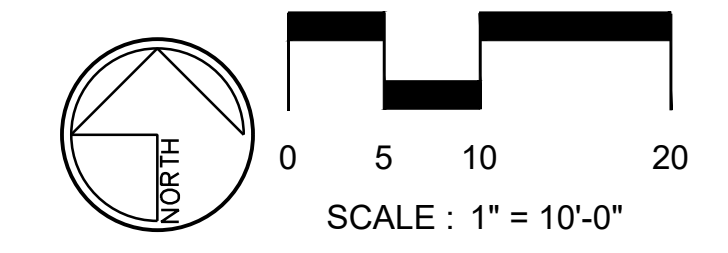
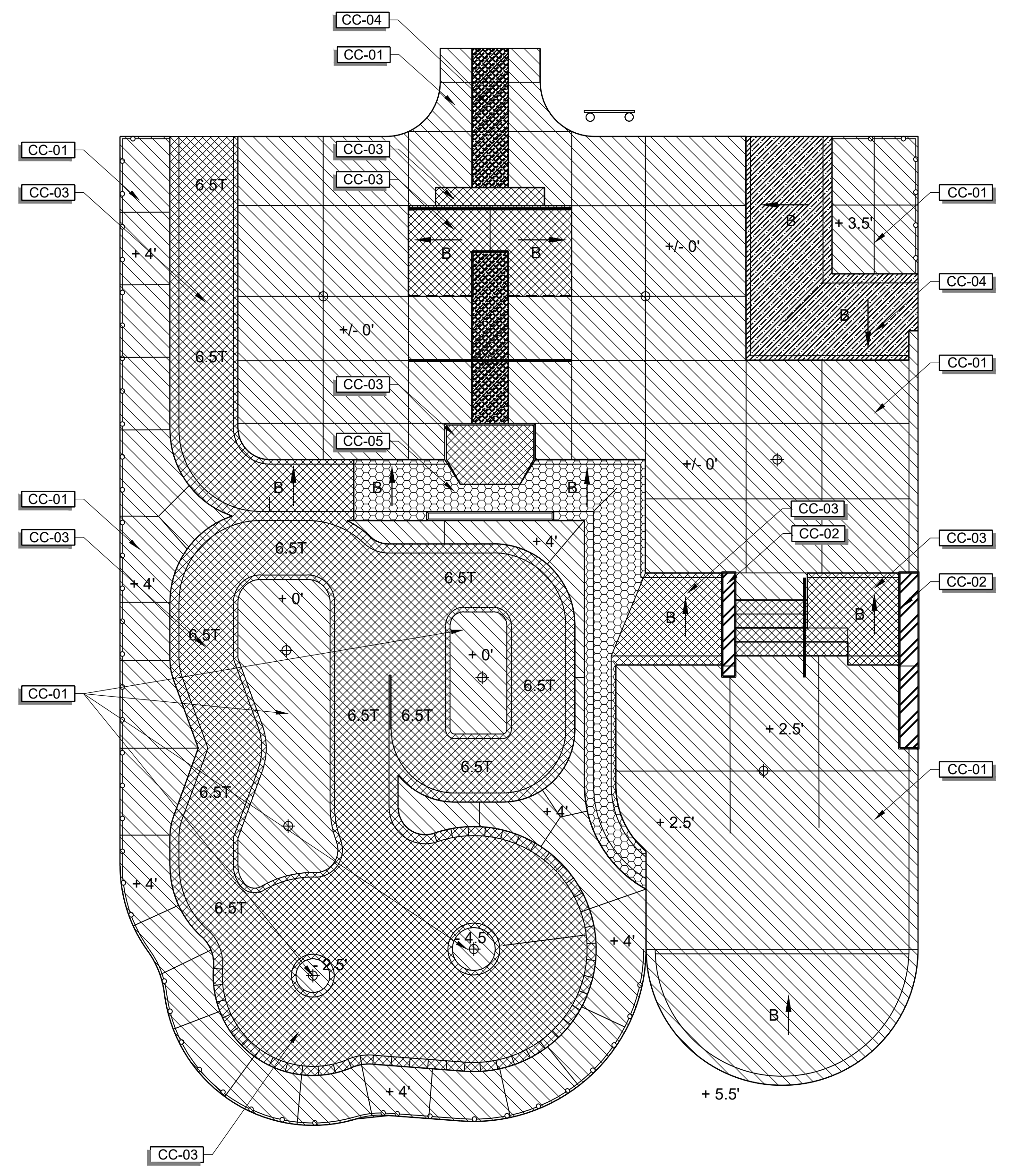
CONTRACTOR TO COORDINATE ALL PROJECT SAMPLE REVIEWS, PROGRESS SITE VISITS WITH CLIENT REPRESENTATIVE AND/OR SKATE PARK DESIGNER IN ADVANCE. CONTRACTOR TO SUBMIT POUR SCHEDULE FOR REVIEW AND APPROVAL PRIOR TO COMMENCING WORK.

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1. INSTALL ALL CAST-IN-PLACE FORMS & METAL FABRICATIONS.
2. POUR ALL CAST-IN-PLACE LEDGES, BREAK FORMS AND FINISH.
3. INSTALL ALL METAL FABRICATIONS FOR SHOTCRETE AREAS AND FORM WORK.
4. INSTALL ALL REQUIRED REBAR PER PLANS AND SPECIFICATIONS.
5. INSTALL ALL SHOTCRETE AND SPECIALTY POURS PER PLANS AND SPECIFICATIONS.
6. BREAK ALL SHOTCRETE AND SPECIALTY FORMS PRIOR TO POURING FLATWORK.
7. POUR ALL TOP DECKS.
8. POUR ALL BOTTOM AREAS LAST.

**COLORED CONCRETE CURING NOTES**

1. CONTRACTOR TO ENSURE THAT COLORED CONCRETE IS CURED AND SEALED AFTER EACH POUR PRIOR TO POURING ADJACENT COLORED CONCRETE SURFACES TO AVOID BLEEDING AND DUSTING.
2. COLORED CONCRETE SHALL BE CURED WITH AN APPROVED CURING AID. CONTRACTOR TO SUBMIT CURING AID PRODUCT SPECIFICATION TO CLIENT REPRESENTATIVE FOR APPROVAL.





**METAL MATERIAL LEGEND**

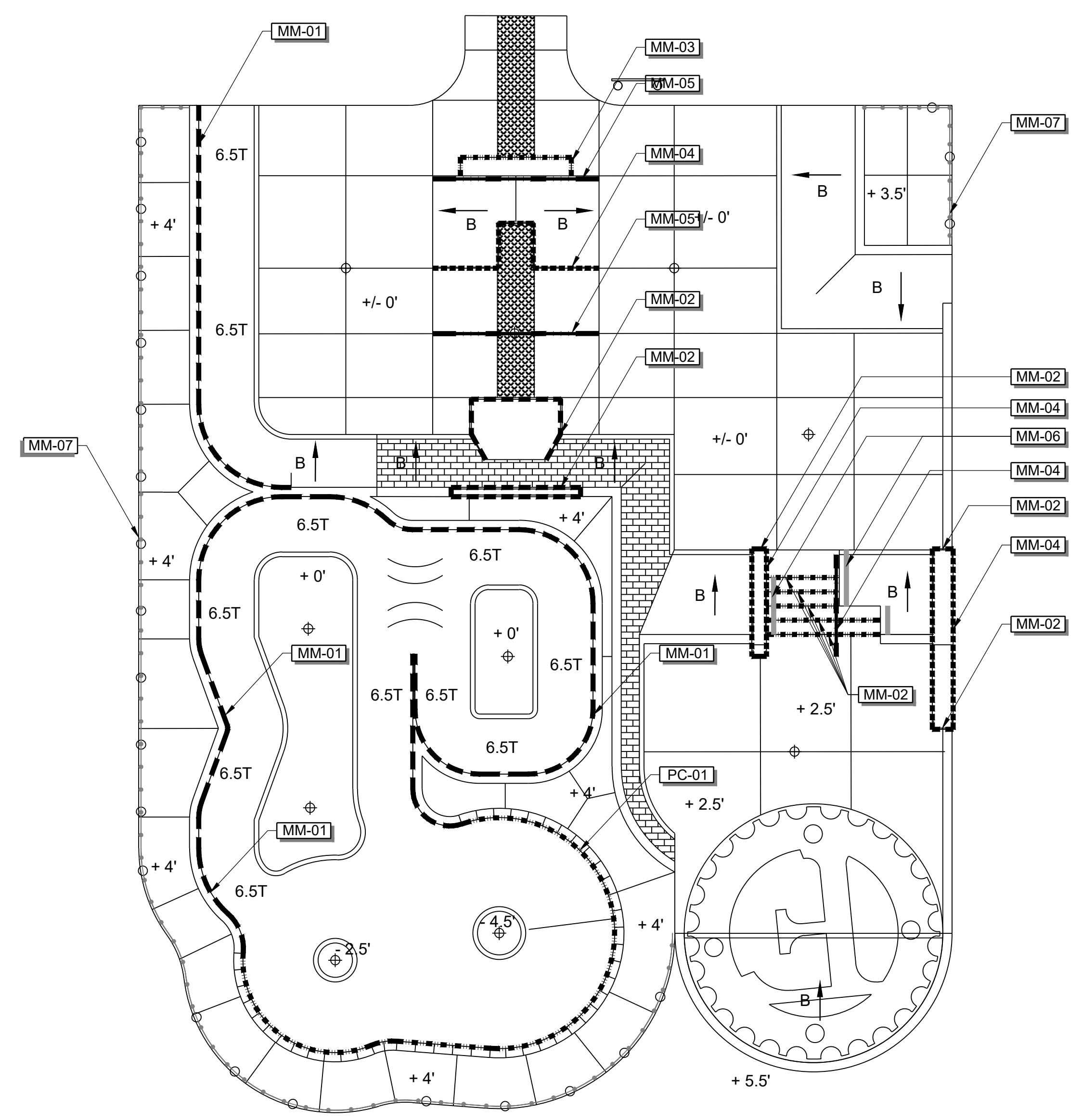
SYMBOL	DESCRIPTION	O.D. SIZE / GAUGE	DETAIL
	2-3/8" O.D. ROUND STEEL PIPE COPING		04/SP5.06
	1/4" THK. CUSTOM FABRICATED ANGLED PLATE EDGING		06/SP5.06
	6" x 1/4" x 1-7/8" C-CHANNEL EDGING (FLUSH)	C6X8.2 - 2.00" x 6.00" x 0.1875"	07/SP5.02
	6" x 1/4" x 1-7/8" C-CHANNEL EDGING WITH TABS & EXPANSION ANCHORS (AT CANTILEVERED LEDGE CAPS)	C6X8.2 - 2.00" x 6.00" x 0.1875"	05/SP5.02
	2-3/8" O.D. ROUND PIPE RAIL		01-03/SP5.05
	1/4" THK. CUSTOM CUT STEEL PLATE		04/SP5.02
	3'-6" HIGH SAFETY GUARDRAIL		

**POOL COPING & TILE LEGEND**

SYMBOL	DESCRIPTION	DETAIL
	12" WIDE POOL COPING AND 6" WIDE BORDER CONSISTING OF SIX (6) ROWS OF 1"X1" MOSAIC TILES MANUFACTURED BY DAL TILE OR APPROVED EQUIVALENT	06/SP5.05

**METAL MATERIAL NOTES**

- ALL METAL FABRICATION SIZES ARE NOMINAL.
- ALL METAL FABRICATIONS SHOWN ARE TO BE HOT DIPPED GALVANIZED UNLESS NOTED OTHERWISE. REFER TO SKATE PARK METAL COLOR PLAN.
- QUALIFICATIONS OF CONTRACTOR: PROVIDE AT LEAST ONE (1) PERSON WHO SHALL BE PRESENT AT ALL TIMES DURING EXECUTION OF THIS PORTION OF THE WORK, AND WHO SHALL BE THOROUGHLY FAMILIAR WITH THE TYPE OF MATERIALS BEING INSTALLED, THE REFERENCED STANDARDS, THE REQUIREMENTS OF THIS WORK, AND WHO SHALL DIRECT ALL WORK PERFORMED UNDER THIS SECTION.
- WELDS NECESSARY TO CONNECT ALL COPING AND METAL FABRICATION SHOULD BE DONE BY CERTIFIED WELDER, GROUND SMOOTH, DE-BURRED AND COATED PER SPECIFICATIONS.
- PROTECT ALL FINISH WORK ADJACENT TO METAL FABRICATION EFFORTS TO PREVENT ANY STAINING.
- SAMPLES: REQUIRED FOR ALL COPING, RAILS, FENCING AND EDGING OF SKATE PARK. SUBMIT FINISH METAL SAMPLES FOR FINAL FINISH REQUIRED PRIOR TO DELIVERY TO SITE.
- STEEL COPING: ROLL PIPE TO CONFORM WITH HORIZONTAL CONTROL RADII AT CENTERLINE OF PIPE.
- CONTRACTOR SHALL REFER TO SKATE PARK CONSTRUCTION DETAILS FOR COPING SUPPORT OPTIONS. SUBMIT DETAIL ALONG WITH SHOP DRAWINGS IF USING A DIFFERENT COPING SUPPORT PRIOR TO FABRICATION.
- ALL METAL EDGING TO HAVE END CAPS WHERE EXPOSED TO CONCRETE.





**METAL COLOR / FINISH LEGEND**

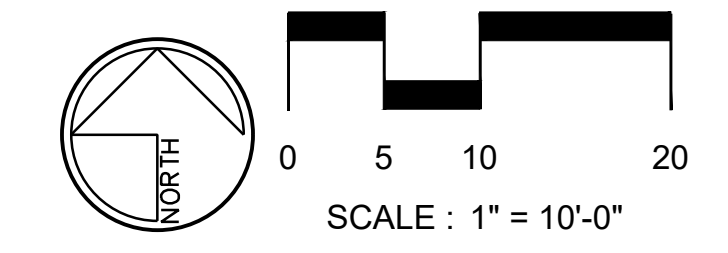
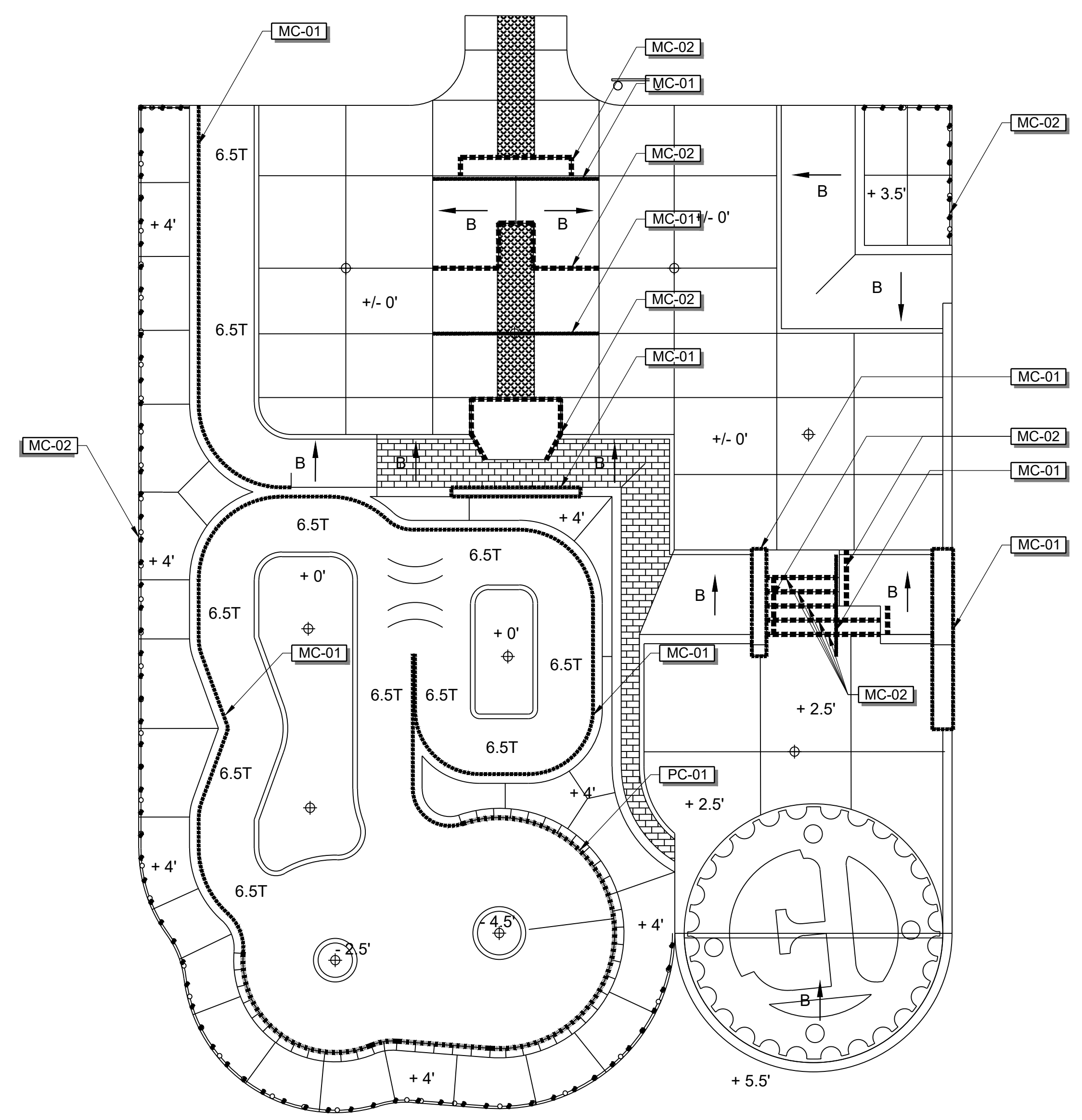
SYMBOL	DESCRIPTION
----- MC-01	PAINT COLOR: DETERMINED ORANGE SW 6635 (GALVANIZED & PAINTED) MANUFACTURER: ACROLON BY SHERWIN WILLIAMS OR APPROVED EQUAL. PAINT FINISH: SEMI-GLOSS
----- MC-02	PAINT COLOR: TRICORN BLACK SW 6285 (GALVANIZED & PAINTED) MANUFACTURER: ACROLON BY SHERWIN WILLIAMS OR APPROVED EQUAL. PAINT FINISH: SEMI-GLOSS

**POOL COPING & TILE COLOR LEGEND**

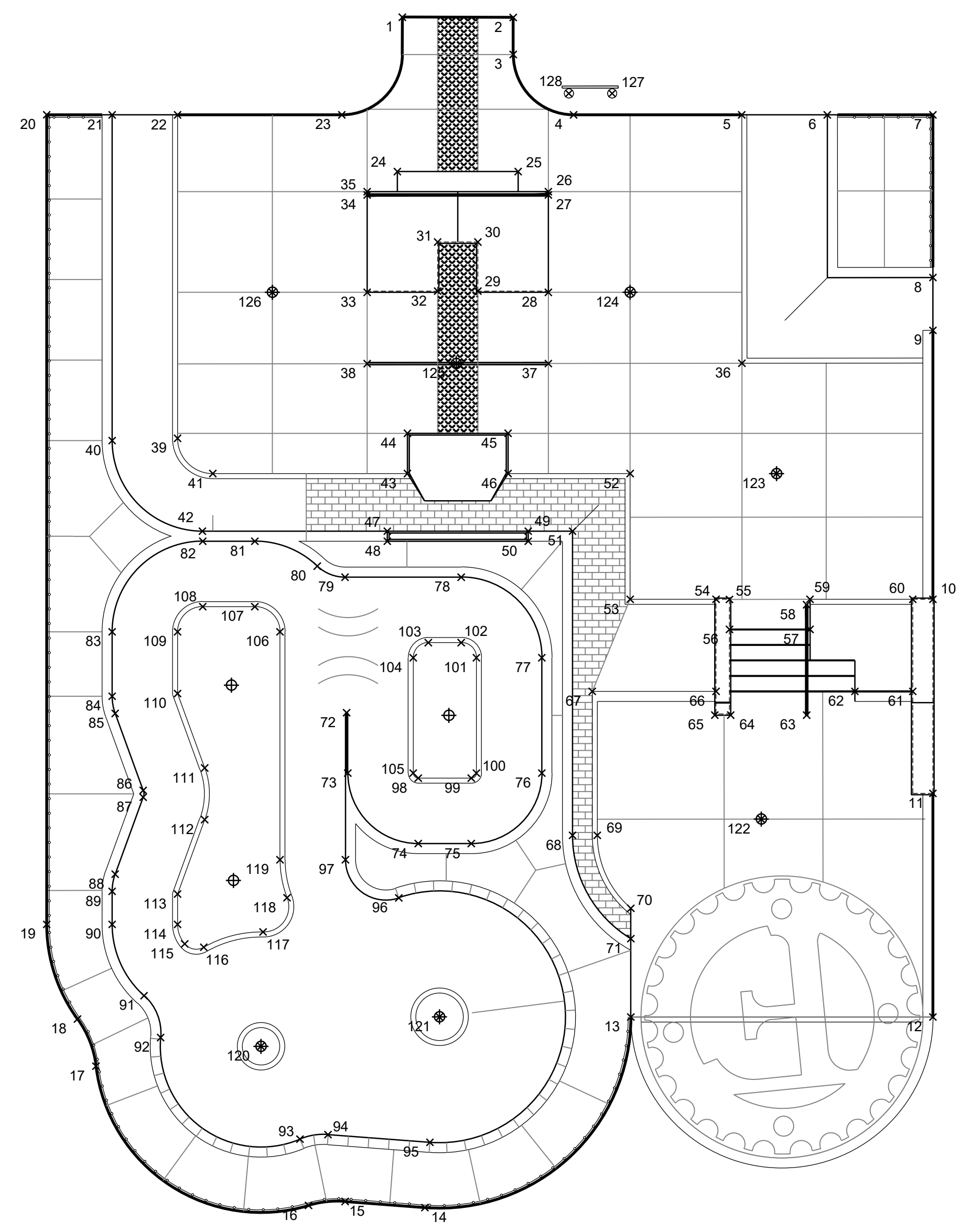
SYMBOL	DESCRIPTION
----- PC-01	12" WIDE POOL COPING - NATURAL GRAY  6" WIDE BORDER CONSISTING OF SIX (6) ROWS OF 1"X1" MOSAIC TILES. PATTERN: RANDOM COLOR: TO BE SELECTED MANUFACTURER: DAL TILE OR APPROVED EQUIVALENT. CONTRACTOR TO SUBMIT SAMPLE TO CLIENT REPRESENTATIVE AND SKATE PARK DESIGNER FOR APPROVAL.

**METAL PAINTING NOTES**

- SURFACE PREPARATION OF GALVANIZED SURFACES SHALL BE IN ACCORDANCE WITH SSPC SP16 AND ASTM D6386:
  - ALL AREAS CONTAINING VISIBLE CONTAMINANTS SHALL BE SOLVENT CLEANED IN ACCORDANCE WITH SSPC SP1 SOLVENT CLEANING.
  - ALL AREAS CONTAINING NON-VISIBLE CONTAMINANTS SHALL BE PRESSURE WASHED CLEAN WITH CHLOR-RID PER MANUFACTURER'S SPECIFICATIONS.
  - GALVANIZED SURFACES SHALL BE SWEEP-BLASTED TO ACHIEVE A SLIGHT ANGULAR SURFACE PROFILE 1 MIL. MIN. BLAST OF THE GALVANIZING SHALL BE DONE IN SUCH A MANNER AS TO NOT DAMAGE OR REMOVE ANY OF THE GALVANIZING. ANY GALVANIZING THAT IS DAMAGED SHALL BE REPAIRED IN ACCORDANCE WITH ASTM A780. BLASTED SURFACES SHALL BE CLEAN, DRY, AND FREE OF CORROSION PRODUCTS AT TIME OF APPLICATION OF PAINT.
- FINISH COAT SHALL BE ACROLON 218, MINIMUM DFT. 2.0 MILS. COLOR OF FINISH COAT SHALL HAVE COLOR AS NOTED AND HAVE A SEMI-GLOSS FINISH. APPLICATION OF PAINT SHALL FOLLOW THE MANUFACTURER'S RECOMMENDATIONS.
- CONTRACTOR SHALL SUBMIT PAINTED SAMPLES TO CLIENT REPRESENTATIVE AND SKATE PARK DESIGNER FOR REVIEW AND APPROVAL PRIOR TO FABRICATION, GALVANIZING AND PAINTING.







Site Layout Point Table		
Point #	Northing	Easting
1	68106.85	44337.93
2	68106.81	44348.94
3	68103.14	44348.94
4	68097.14	44354.94
5	68097.14	44371.64
6	68097.14	44380.14
7	68097.14	44390.62
8	68080.99	44390.62
9	68075.74	44390.62
10	68049.02	44390.62
11	68029.73	44390.62
12	68007.52	44390.62
13	68007.52	44360.62
14	67988.59	44340.17
15	67989.19	44332.25
16	67988.80	44328.62
17	68002.63	44307.50
18	68007.32	44305.66
19	68016.72	44302.61
20	68097.15	44302.61

Site Layout Point Table		
Point #	Northing	Easting
21	68097.14	44309.11
22	68097.14	44315.61
23	68097.14	44331.92
24	68091.51	44337.43
25	68091.51	44349.43
26	68089.51	44352.43
27	68089.18	44352.43
28	68079.51	44352.43
29	68079.64	44345.43
30	68084.51	44345.43
31	68084.51	44341.43
32	68079.64	44341.43
33	68079.51	44334.43
34	68089.18	44334.43
35	68089.51	44334.43
36	68072.47	44371.65
37	68072.44	44352.43
38	68072.43	44334.43
39	68065.01	44315.61
40	68064.79	44309.11

Site Layout Point Table		
Point #	Northing	Easting
41	68061.51	44319.11
42	68055.79	44318.07
43	68061.51	44338.43
44	68065.51	44338.43
45	68065.51	44348.43
46	68061.51	44348.43
47	68055.79	44336.43
48	68054.79	44336.43
49	68055.79	44350.43
50	68054.79	44350.43
51	68055.79	44354.83
52	68061.51	44360.55
53	68049.02	44360.55
54	68049.02	44369.09
55	68049.01	44370.42
56	68046.03	44370.42
57	68046.03	44378.42
58	68048.48	44378.09
59	68049.02	44378.42
60	68049.02	44388.62

Site Layout Point Table		
Point #	Northing	Easting
61	68039.87	44388.62
62	68039.87	44382.88
63	68037.51	44378.09
64	68037.51	44370.54
65	68037.51	44368.96
66	68039.87	44369.09
67	68039.87	44356.79
68	68025.57	44354.83
69	68025.57	44357.29
70	68018.32	44360.62
71	68015.30	44360.62
72	68037.75	44332.39
73	68031.75	44332.51
74	68024.75	44339.51
75	68024.75	44344.78
76	68031.75	44351.78
77	68043.21	44351.78
78	68051.21	44343.78
79	68051.21	44332.23
80	68052.31	44329.48

Site Layout Point Table		
Point #	Northing	Easting
81	68054.79	44323.28
82	68054.79	44318.11
83	68045.79	44309.11
84	68039.39	44309.11
85	68037.68	44309.41
86	68030.04	44312.19
87	68029.35	44312.19
88	68021.71	44309.41
89	68020.00	44309.11
90	68016.72	44309.11
91	68009.64	44312.27
92	68005.48	44313.92
93	67995.39	44327.76
94	67995.84	44330.54
95	67995.07	44340.67
96	68019.36	44337.57
97	68023.14	44332.28
98	68031.25	44339.51
99	68031.25	44344.78
100	68031.75	44345.28

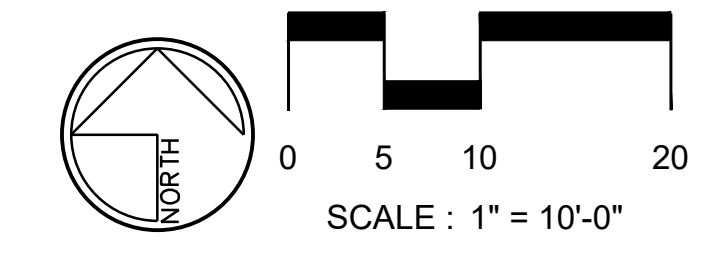
Site Layout Point Table		
Point #	Northing	Easting
101	68043.21	44345.28
102	68044.71	44343.78
103	68044.71	44340.51
104	68043.21	44339.01
105	68031.75	44339.01
106	68045.79	44325.78
107	68048.29	44323.28
108	68048.29	44318.11
109	68045.79	44315.61
110	68039.65	44315.61
111	68032.26	44318.30
112	68027.13	44318.30
113	68019.74	44315.61
114	68016.72	44315.61
115	68014.79	44316.31
116	68014.46	44318.21
117	68015.97	44324.10
118	68019.37	44326.48
119	68023.14	44325.78
120	68004.61	44323.88

Site Layout Point Table		
Point #	Northing	Easting
121	68007.53	44341.62
122	68027.18	44373.58
123	68061.51	44375.09
124	68079.52	44360.55
125	68072.44	44343.29
126	68079.51	44325.02
127	68099.27	44358.77
128	68099.27	44354.46

**LAYOUT NOTES**

- COORDINATE VALUES SHOWN ARE INTENDED FOR HORIZONTAL POSITIONING AND DIMENSION CLARIFICATION ONLY. ALL POINTS SET IN THE FIELD FROM THESE VALUES SHALL FIRST BE CHECKED BY THE CONTRACTOR TO ENSURE THAT THE LOCATION IS CONSISTENT WITH THE DIMENSIONS AND GRAPHIC LOCATIONS SHOWN ON THE APPROVED CONSTRUCTION PLANS. IN THE CASE OF A DISCREPANCY WITH ANY COORDINATE VALUE SHOWN, THE CONTRACTOR SHALL BE RESPONSIBLE TO NOTIFY THE CITY PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITY THAT MAY BE AFFECTED.
- ALL COORDINATES SHOWN AT THE BOTTOM OF ALL BANKS/ TRANSITIONS NEED TO BE CHECKED AGAINST THE CROSS SECTIONS FOR ACCURACY.
- BECAUSE OF THE SCALE OF THIS DRAWING AND PROXIMITY OF FEATURES TO EACH OTHER, THE LOCATION OF SOME OR THE POINTS MAY BE OBSCURED. REFER TO THE LAYOUT DATA FOR THE ACTUAL LOCATIONS FOR ALL POINTS.
- CONTRACTOR TO BE RESPONSIBLE FOR SURVEY WORK.

**A LAYOUT PLAN - POINTS AND POINTS TABLE**



**ASD**  
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MICHAEL R. MCINTYRE  
688  
9/30/07  
Original Date of Licensure  
LICENSED LANDSCAPE ARCHITECT  
STATE OF COLORADO

PROJECT: REED PARK ALL WHEEL PARK  
City of Fruita, CO

SHEET TITLE: SKATE PARK  
LAYOUT PLAN - POINTS AND POINTS TABLE

ISSUE DATE:  
08/03/2023

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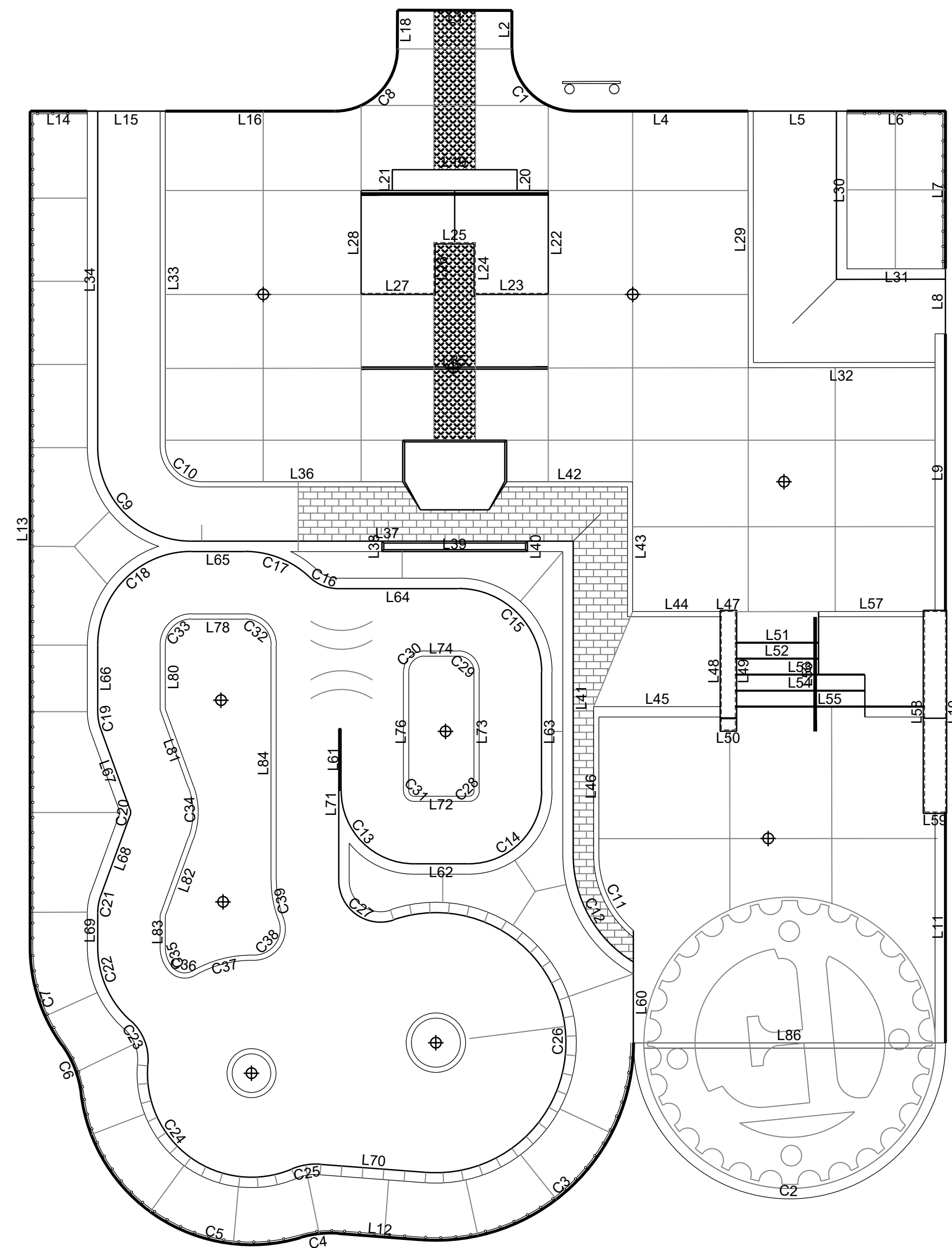
CHECKED BY:  
ASD

REVISIONS:

1		
2		
3		

SHEET NUMBER:  
SP2.01





Line Table		
Line #	Length	Direction
L1	11.01	N89° 50' 27.84"W
L2	3.70	N00° 00' 00.00"E
L4	16.70	N90° 00' 00.00"W
L5	9.50	N90° 00' 00.00"W
L6	9.48	N90° 00' 00.00"W
L7	15.15	N00° 00' 14.67"E
L8	6.25	N00° 00' 00.00"E
L9	26.72	N00° 00' 00.00"E
L10	19.28	S00° 00' 00.00"E
L11	22.21	N00° 00' 00.00"E
L12	7.95	S85° 37' 26.27"E
L13	80.43	N00° 00' 00.00"E
L14	5.50	N90° 00' 00.00"W
L15	7.50	N90° 00' 00.00"W
L16	16.31	N90° 00' 00.00"W
L18	3.73	S00° 09' 31.52"W
L19	12.00	N90° 00' 00.00"E
L20	2.00	S00° 00' 00.00"E
L21	2.00	N00° 00' 00.00"E
L22	10.00	S00° 00' 00.00"E

Line Table		
Line #	Length	Direction
L23	7.00	S90° 00' 00.00"E
L24	4.87	S00° 00' 00.00"E
L25	4.00	N90° 00' 00.00"E
L26	4.87	S00° 00' 00.00"W
L27	7.00	N90° 00' 00.00"E
L28	10.00	N00° 00' 00.00"E
L29	24.68	N00° 02' 26.21"W
L30	15.16	N00° 02' 26.21"W
L31	9.47	S89° 56' 18.54"W
L32	17.97	S89° 56' 18.54"W
L33	32.14	S00° 00' 00.00"E
L34	32.36	N00° 00' 00.00"E
L36	19.33	N90° 00' 00.00"E
L37	35.73	N90° 00' 00.00"E
L38	1.00	N00° 00' 00.00"E
L39	14.00	N90° 00' 00.00"E
L40	1.00	S00° 00' 00.00"E
L41	30.22	S00° 00' 00.00"E
L42	12.12	N90° 00' 00.00"E
L43	12.49	S00° 00' 00.00"E

Line Table		
Line #	Length	Direction
L44	8.53	N90° 00' 00.00"E
L45	12.29	N90° 00' 00.00"E
L46	13.31	N00° 00' 00.00"E
L47	1.33	N90° 00' 00.00"E
L48	11.38	N00° 00' 00.00"E
L49	11.38	S00° 00' 00.00"E
L50	1.33	S90° 00' 00.00"W
L51	8.00	N89° 59' 43.87"E
L52	8.00	N89° 59' 43.87"E
L53	12.46	N90° 00' 00.00"E
L54	12.46	N90° 00' 00.00"E
L55	18.20	N90° 00' 00.00"E
L56	10.97	N00° 00' 00.00"E
L57	10.20	S89° 59' 47.35"E
L58	19.28	N00° 00' 00.00"E
L59	2.00	N90° 00' 00.00"W
L60	7.77	S00° 00' 00.00"E
L61	6.00	N00° 00' 00.00"E
L62	5.27	N90° 00' 00.00"W
L63	11.46	S00° 00' 00.00"E

Line Table		
Line #	Length	Direction
L64	11.55	N90° 00' 00.00"W
L65	5.17	N90° 00' 00.00"W
L66	6.40	S00° 00' 00.00"E
L67	8.13	N20° 00' 00.00"W
L68	8.13	S20° 00' 00.00"W
L69	3.28	N00° 00' 00.00"E
L70	10.15	S85° 37' 26.27"E
L71	14.61	N00° 00' 00.00"E
L72	5.27	N90° 00' 00.00"W
L73	11.46	S00° 00' 00.00"E
L74	3.27	N90° 00' 00.00"E
L76	11.46	N00° 00' 00.00"E
L78	5.17	N89° 59' 57.65"W
L80	6.14	S00° 00' 00.00"E
L81	7.87	N20° 00' 00.00"W
L82	7.87	S20° 00' 00.00"W
L83	3.01	N00° 00' 00.00"E
L84	22.65	N00° 00' 00.00"E
L85	18.00	N90° 00' 00.00"E
L86	30.00	N90° 00' 00.00"E

Curve Table		
Curve #	Length	Radius
C1	9.42	6.00
C2	47.12	15.00
C3	31.30	19.00
C4	3.67	10.00
C5	28.74	16.50
C6	5.08	10.00
C7	10.06	16.00
C8	9.41	6.00
C9	14.10	9.00
C10	5.50	3.50
C11	8.22	9.54
C12	12.32	12.00
C13	11.00	7.00
C14	11.00	7.00
C15	12.57	8.00
C16	3.04	4.00
C17	6.84	9.00
C18	14.14	9.00
C19	1.75	5.00
C20	0.70	1.00

Curve Table		
Curve #	Length	Radius
C21	1.75	5.00
C22	7.99	9.50
C23	4.64	5.00
C24	20.56	10.00
C25	2.85	6.00
C26	44.34	12.50
C27	7.60	4.00
C28	0.79	0.50
C29	2.36	1.50
C30	2.36	1.50
C31	0.79	0.50
C32	3.93	2.50
C33	3.93	2.50
C34	5.24	7.50
C35	2.10	3.00
C36	2.09	1.50
C37	6.16	11.37
C38	4.89	2.50
C39	3.86	10.50

LAYOUT NOTES

- COORDINATE VALUES SHOWN ARE INTENDED FOR HORIZONTAL POSITIONING AND DIMENSION CLARIFICATION ONLY. ALL POINTS SET IN THE FIELD FROM THESE VALUES SHALL FIRST BE CHECKED BY THE CONTRACTOR TO ENSURE THAT THE LOCATION IS CONSISTENT WITH THE DIMENSIONS AND GRAPHIC LOCATIONS SHOWN ON THE APPROVED CONSTRUCTION PLANS. IN THE CASE OF A DISCREPANCY WITH ANY COORDINATE VALUE SHOWN, THE CONTRACTOR SHALL BE RESPONSIBLE TO NOTIFY THE CITY PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITY THAT MAY BE AFFECTED.
- ALL COORDINATES SHOWN AT THE BOTTOM OF ALL BANKS/ TRANSITIONS NEED TO BE CHECKED AGAINST THE CROSS SECTIONS FOR ACCURACY.
- BECAUSE OF THE SCALE OF THIS DRAWING AND PROXIMITY OF FEATURES TO EACH OTHER, THE LOCATION OF SOME OR THE POINTS MAY BE OBSCURED. REFER TO THE LAYOUT DATA FOR THE ACTUAL LOCATIONS FOR ALL POINTS.
- CONTRACTOR TO BE RESPONSIBLE FOR SURVEY WORK.

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Austin, TX 78738  
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PROJECT: REED PARK ALL WHEEL PARK  
City of Fruita, CO

SHEET TITLE: SKATE PARK  
LAYOUT PLAN - LINES AND CURVES AND LINE/CURVE TABLE

ISSUE DATE:  
08/03/2023

DRAWN BY:  
ASD

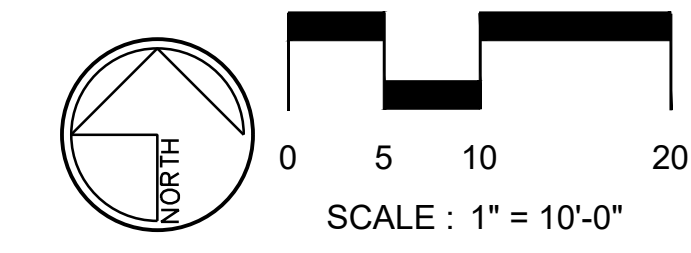
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REVISIONS:

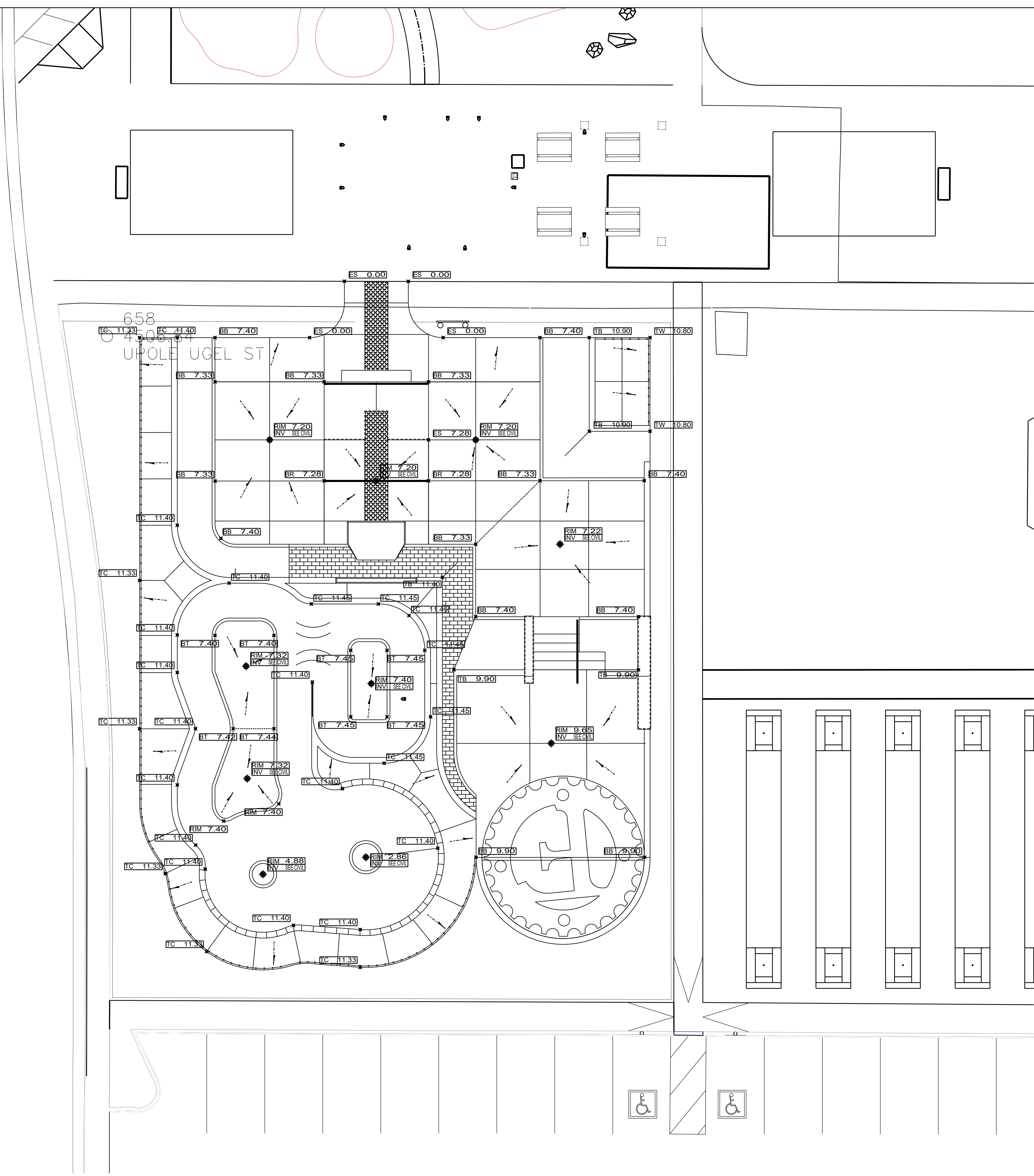
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SHEET NUMBER:  
SP2.02

B LAYOUT PLAN - LINES AND CURVES AND LINE/CURVE TABLES







### SKATE PARK GRADING & DRAINAGE LEGEND

- | SYMBOL | DESCRIPTION   |
|--------|---|
|        | DIRECTION OF SURFACE FLOW   |
|        | G.B. BREAK IN GRADE   |
|        | F.L. FLOWLINE IN SWALE  |
|        | TOW TOP OF WALL ELEVATION   |
|        | ◆ DRAIN INLET, SEE 08/SP5.03  |
|        | T RADIUS OF WALL. REFER TO SECTION SHEETS FOR PROFILE VIEW                                    |
|        | B BANK-EMBANKMENT WALL WITH SLOPE AND RADI AT BASE. REFER TO SECTION SHEETS FOR PROFILE VIEW. |

### SKATE PARK GRADING & DRAINAGE NOTES

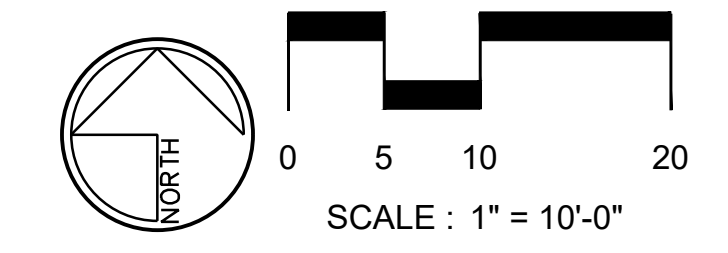
- FINAL HEIGHT AND SHAPE OF EXCAVATION TO BE VERIFIED BY SKATE PARK DESIGNER IN THE FIELD.
- ALL SPOT ELEVATIONS ARE FOR TOP OF FINISH WORK UNLESS OTHERWISE NOTED.
- MINIMUM SLOPE FOR ALL CONCRETE FINISH WORK SHALL BE 1%. WATER MUST DRAIN TOWARDS DIRECTION OF FLOW ARROWS AND FOLLOW OVERALL DESIGN INTENT.
- MAXIMUM SIDEWALK CROSS SLOPE IS 2.0%.
- MAXIMUM SIDEWALK LONGITUDINAL SLOPE IS 5.0%.
- ALL AREAS DISTURBED BY GRADING OPERATIONS TO BE FINE GRADED.
- VERIFY LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO COMMENCING WORK.
- REFER TO SECTIONS AND PROFILES FOR HEIGHT, RADI AND PROFILES.
- ALL FINE GRADING OF EARTHWORK SHALL BE INSPECTED WITH TEMPLATES CUT TO THE SPECIFIED RADI ANGLE. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR ALL TEMPLATES/ SCREEDS TO BE USED FOR EARTHWORK TOLERANCES FOR APPROVAL BY SKATE PARK DESIGNER.
- CONTRACTOR TO PROTECT ALL EXCAVATIONS FROM SOIL EROSION AND WATER SATURATION AT ALL TIMES USING APPROPRIATE CONSTRUCTION METHODS. AND LOSS OF SOIL PROFILE DURING CONSTRUCTION SHALL BE REPLACED WITH APPROPRIATE SOIL COMPOSITION AND COMPACTION METHODS TO MATCH LOSS SOIL.
- MAINTAIN ALL EXISTING TREES UNLESS NOTED OTHERWISE ON CIVIL PLANS.
- CONTRACTOR TO VERIFY FEATURE ELEVATIONS WITH SKATE PARK SECTIONS. IF A DISCREPANCY OCCURS, CONTRACTOR SHALL CONTACT SKATE PARK DESIGNER IMMEDIATELY.
- CONTRACTOR TO REFER TO CIVIL PLANS FOR FINISH GRADE ELEVATIONS BEYOND SKATE PARK FOOTPRINT.

### SURVEY NOTES

- LOCATE ALL SURVEY MARKS INCLUDING BENCH MARKS AND PROPERTY LINES IN ORDER THAT THE EXACT LINES OF CONSTRUCTION LIMITS AND GRADES MAY BE DETERMINED. BRING ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE IMMEDIATELY BEFORE PROCEEDING WITH WORK.
- VERIFY ENTIRE LAYOUT PRIOR TO START OF CONSTRUCTION WITH PROJECT OWNER'S REPRESENTATIVES AND SKATE PARK DESIGNER.
- LOCATE AND PROTECT CONTROL POINTS PRIOR TO STARTING SITE WORK AND PROTECT ALL PERMANENT REFERENCE POINTS DURING ENTIRE CONSTRUCTION. REPLACE PROJECT CONTROL POINTS WHICH MAY BE LOST OR DESTROYED DURING CONSTRUCTION.
- CONTRACTOR SHALL VERIFY FINISH GRADE ELEVATIONS AS SHOWN ON CIVIL ENGINEER'S PLANS AND BRING ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE IMMEDIATELY BEFORE PROCEEDING WITH WORK.

### SPOT ELEVATION LEGEND

- |     |                      |
|-----|----------------------|
| BW  | BOTTOM OF WALL       |
| TW  | TOP OF WALL          |
| BB  | BOTTOM OF BANK       |
| TB  | TOP OF BANK          |
| ES  | EDGE OF SLAB         |
| TS  | TOP OF SLAB          |
| TL  | TOP OF LEDGE         |
| BL  | BOTTOM OF LEDGE      |
| TC  | TOP OF CURB          |
| BC  | BOTTOM OF CURB       |
| TT  | TOP OF TRANSITION    |
| BT  | BOTTOM OF TRANSITION |
| RIM | RIM OF DRAIN         |
| INV | INVERT               |



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PROJECT:

REED PARK ALL WHEEL PARK  
City of Fruita, CO

SHEET TITLE:  
SKATE PARK  
GRADING AND DRAINAGE PLAN

ISSUE DATE:  
08/03/2023

DRAWN BY:  
ASD

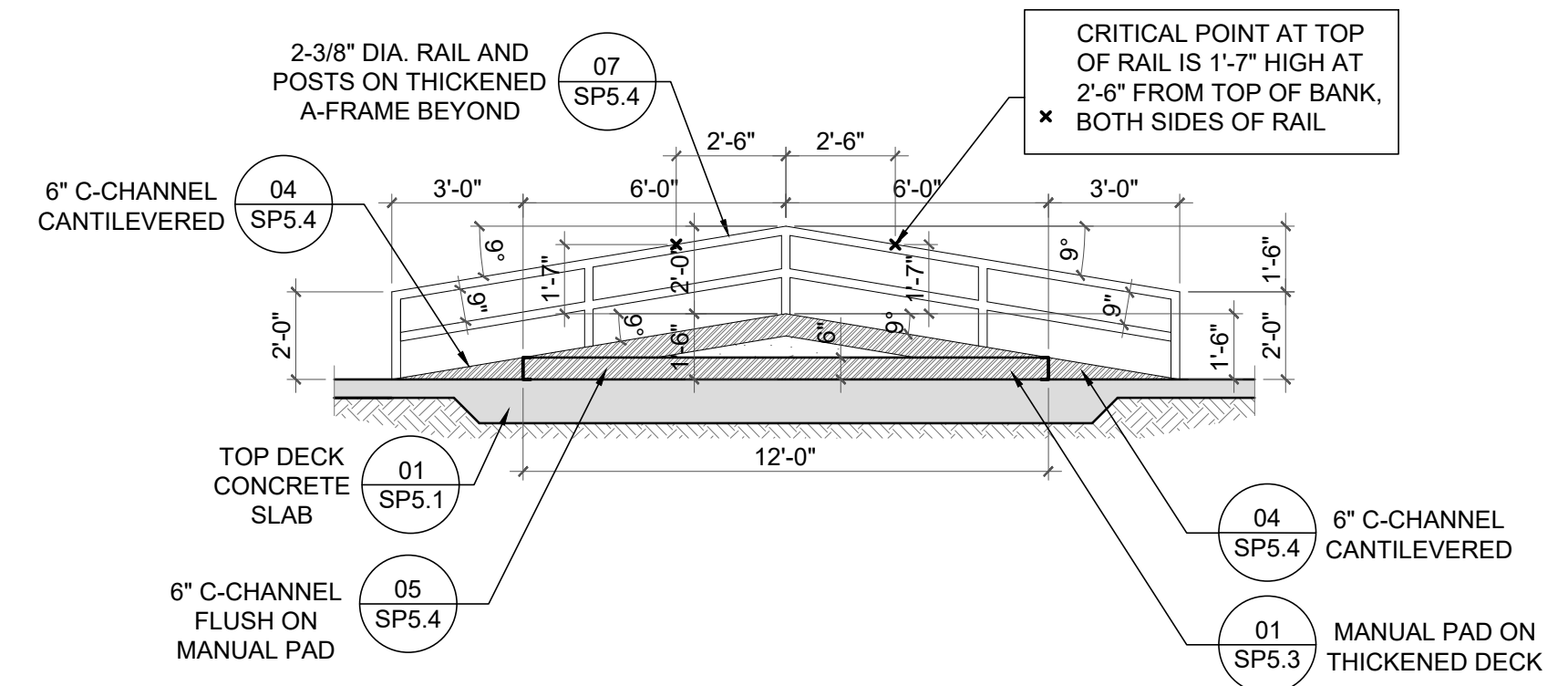
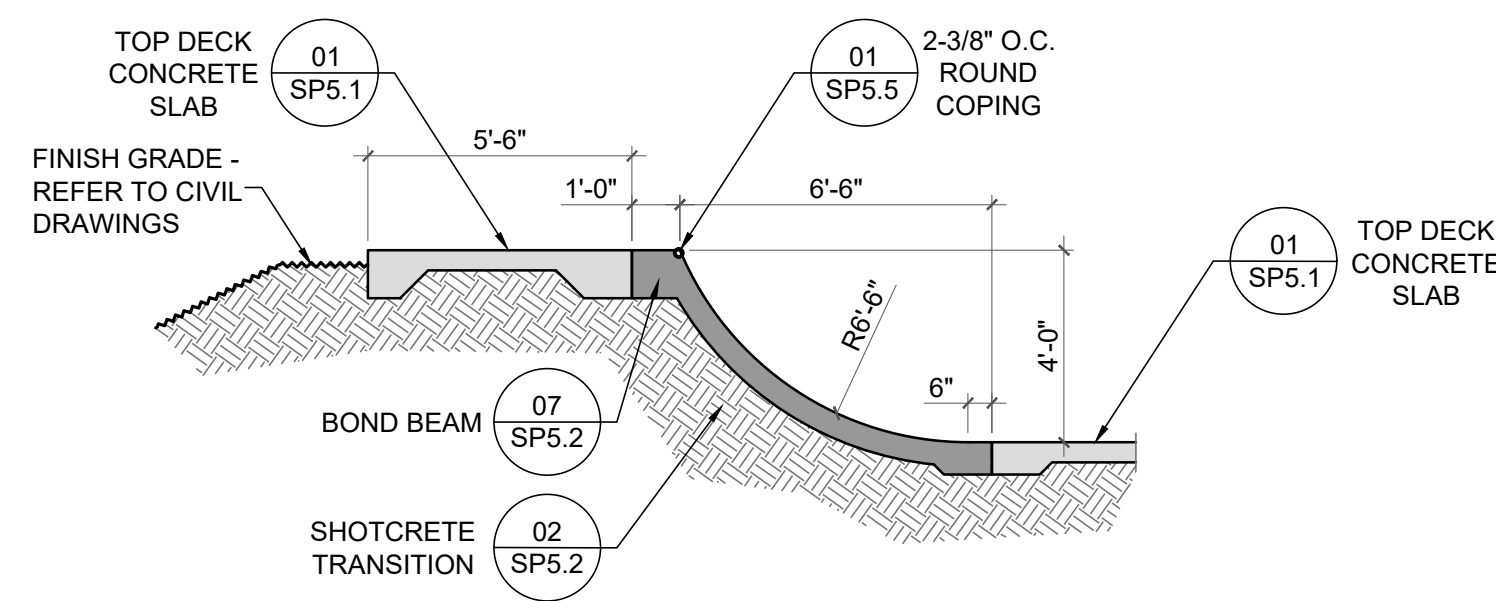
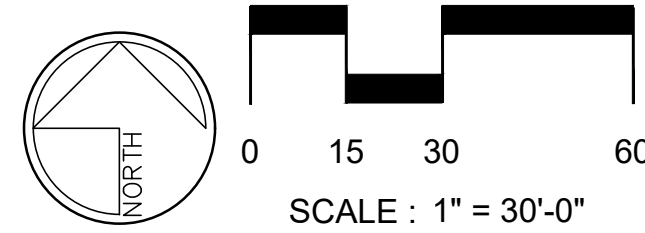
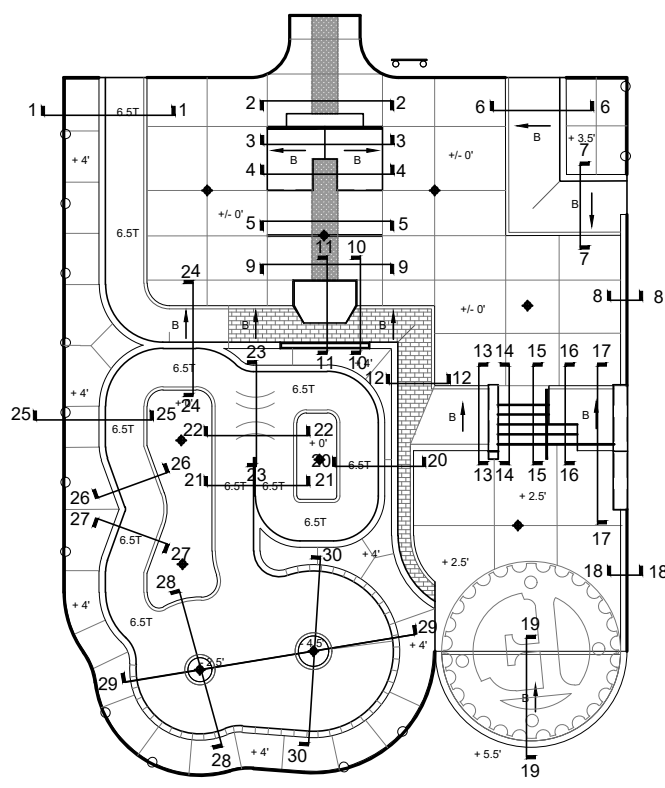
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REVISIONS:

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SHEET NUMBER:  
SP3.01





**KEY MAP**

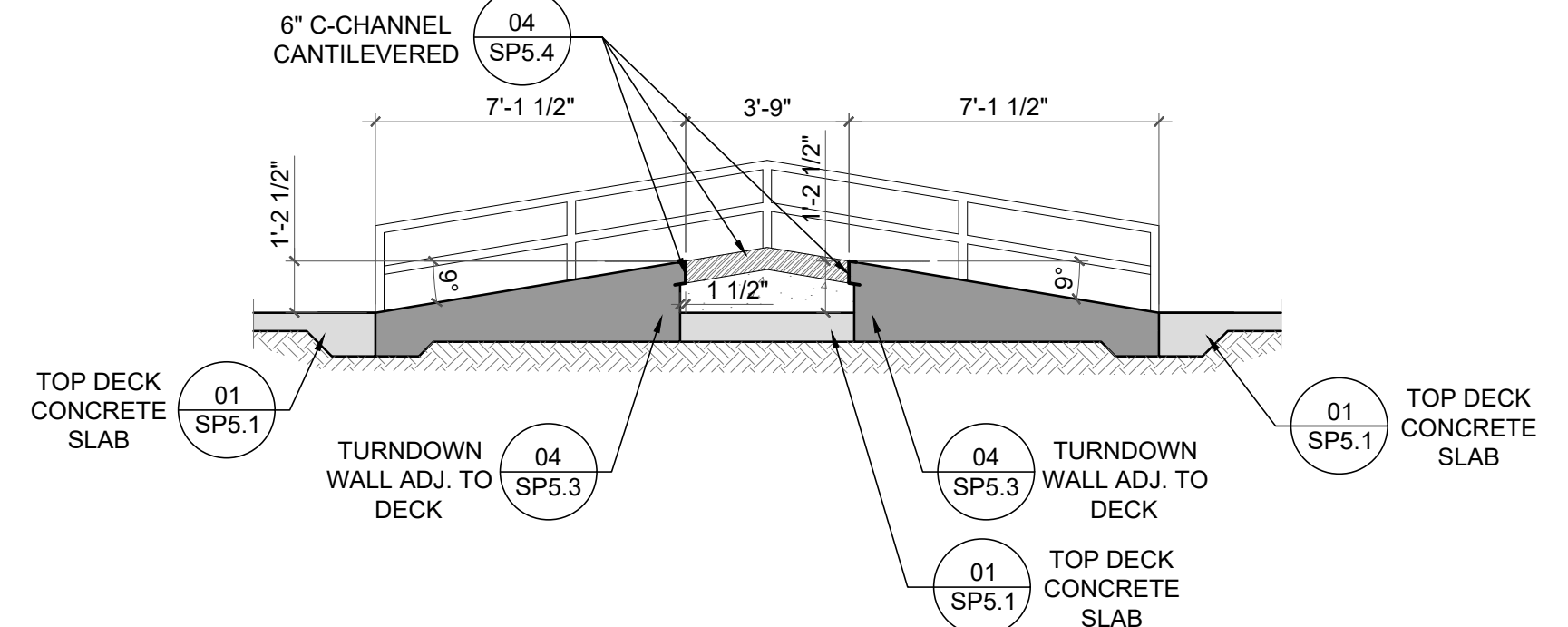
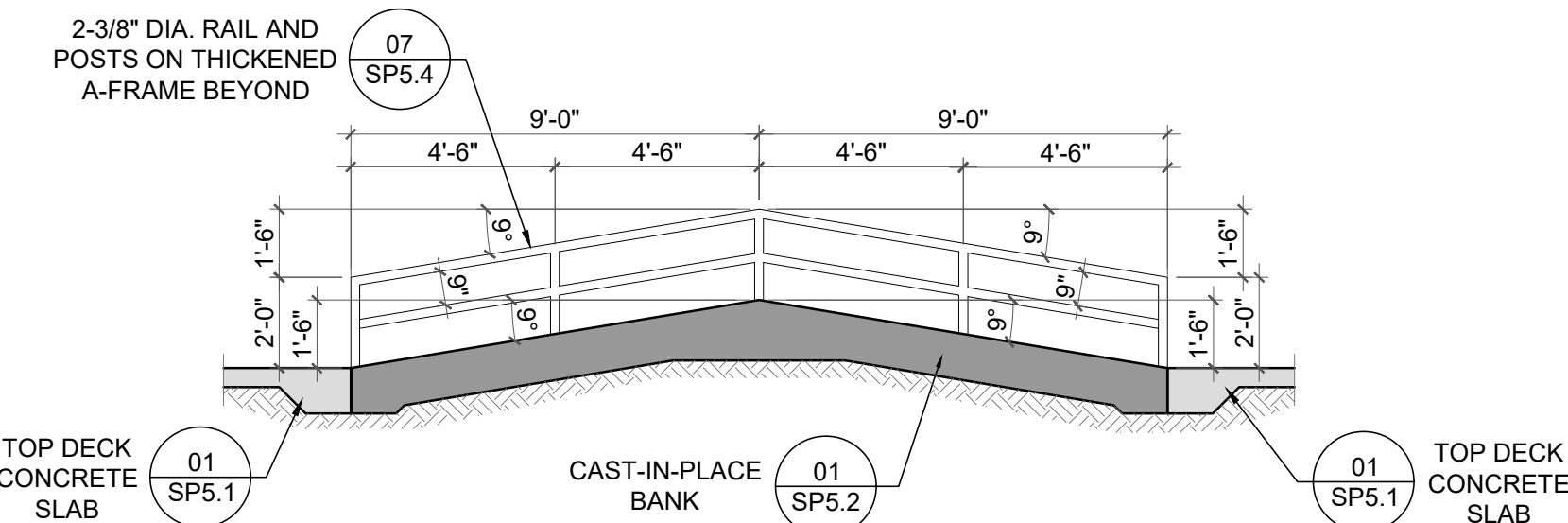
CONCRETE GENERAL / SPECIALTY WORK LEGEND	MATERIAL LEGEND
CONCRETE WORK TO BE PERFORMED BY GENERAL CONTRACTOR OR SKATE PARK SPECIALTY CONTRACTOR	CONCRETE WALL / LEDGE / BANK/ QUARTER PIPE BEYOND
CONCRETE WORK TO BE PERFORMED BY SKATE PARK SPECIALTY CONTRACTOR	METAL EDGING BEYOND
	RECOMMENDED SUB-BASE MATERIAL PER CONSTRUCTION DETAILS

- 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 CONSTRUCTION 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.
  - 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.
  - REFER TO CONSTRUCTION DETAILS FOR RECOMMENDED SUB-BASE MATERIAL.
  - IF THERE ARE ANY MATERIAL, COLOR, OR DIMENSIONS DISCREPANCIES BETWEEN THE SECTIONS AND PLANS, CONTRACTOR SHALL NOTIFY SKATE PARK DESIGNER.

**1 SECTION**

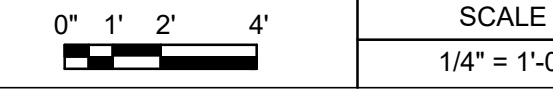


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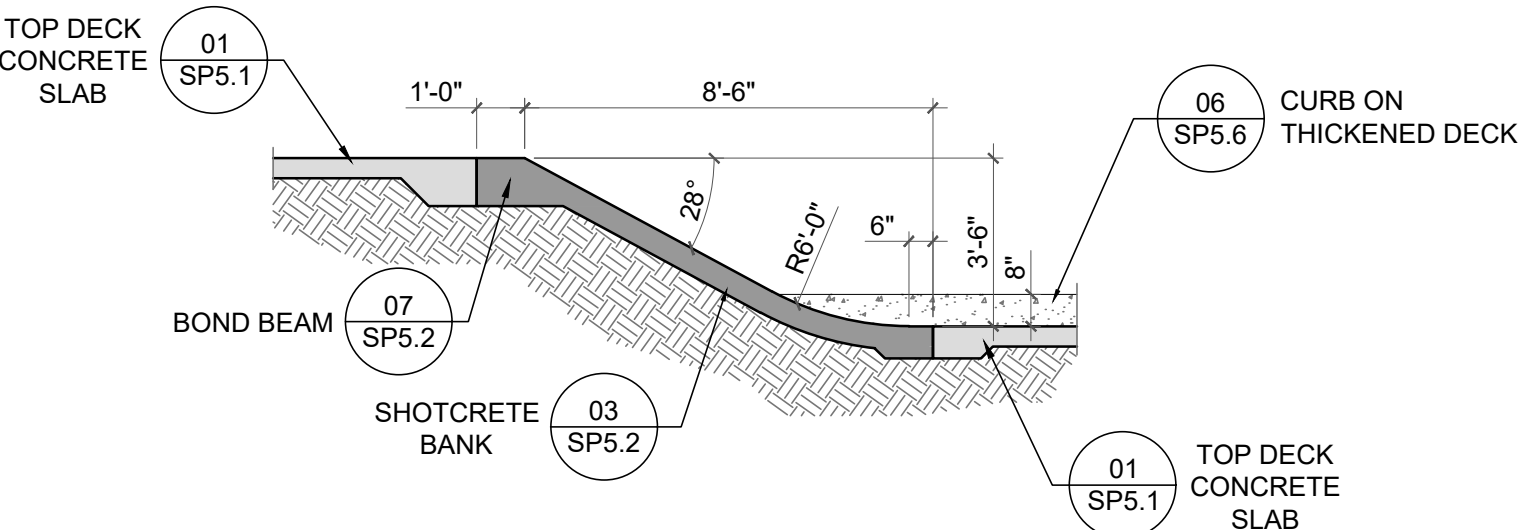
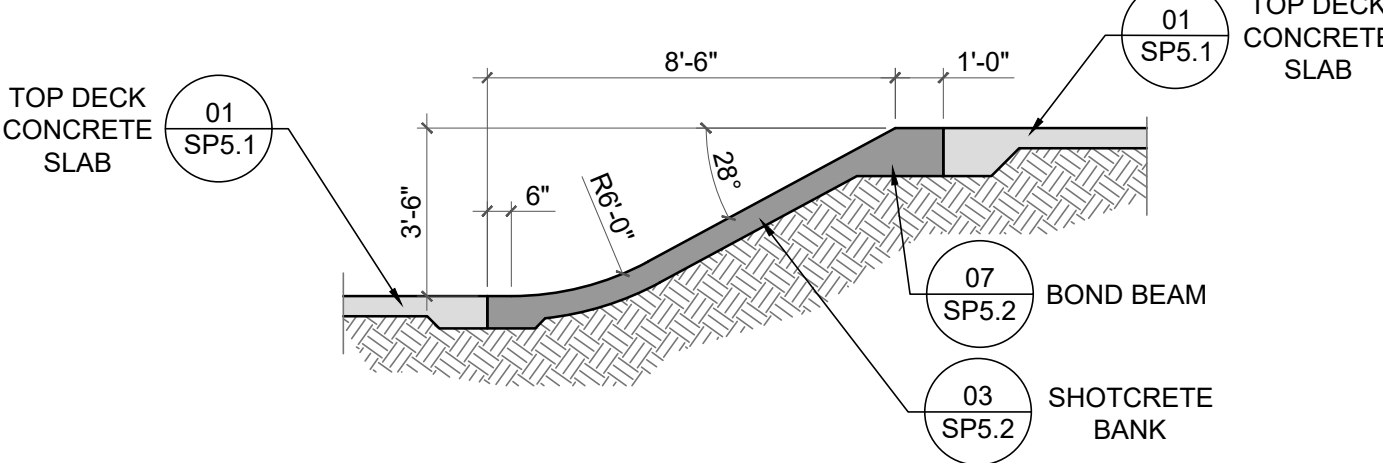
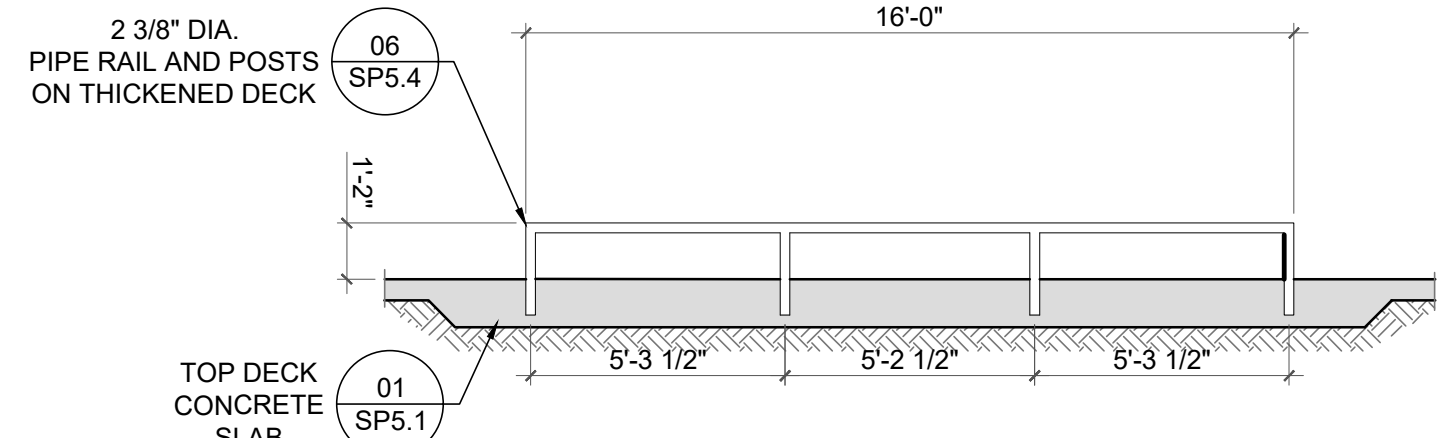


**NOTES**

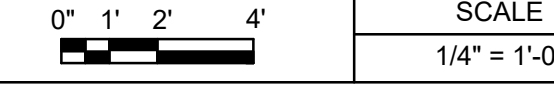
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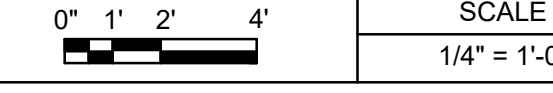
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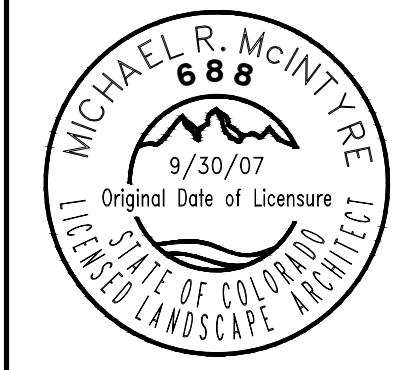
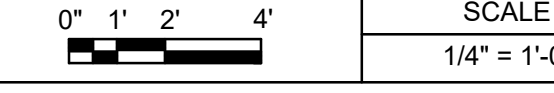
**5 SECTION**



**6 SECTION**



**7 SECTION**



PROJECT: REED PARK ALL WHEEL PARK  
City of Fruita, CO

SHEET TITLE: SKATE PARK SECTIONS & PROFILES

ISSUE DATE: 08/03/2023

DRAWN BY: ASD

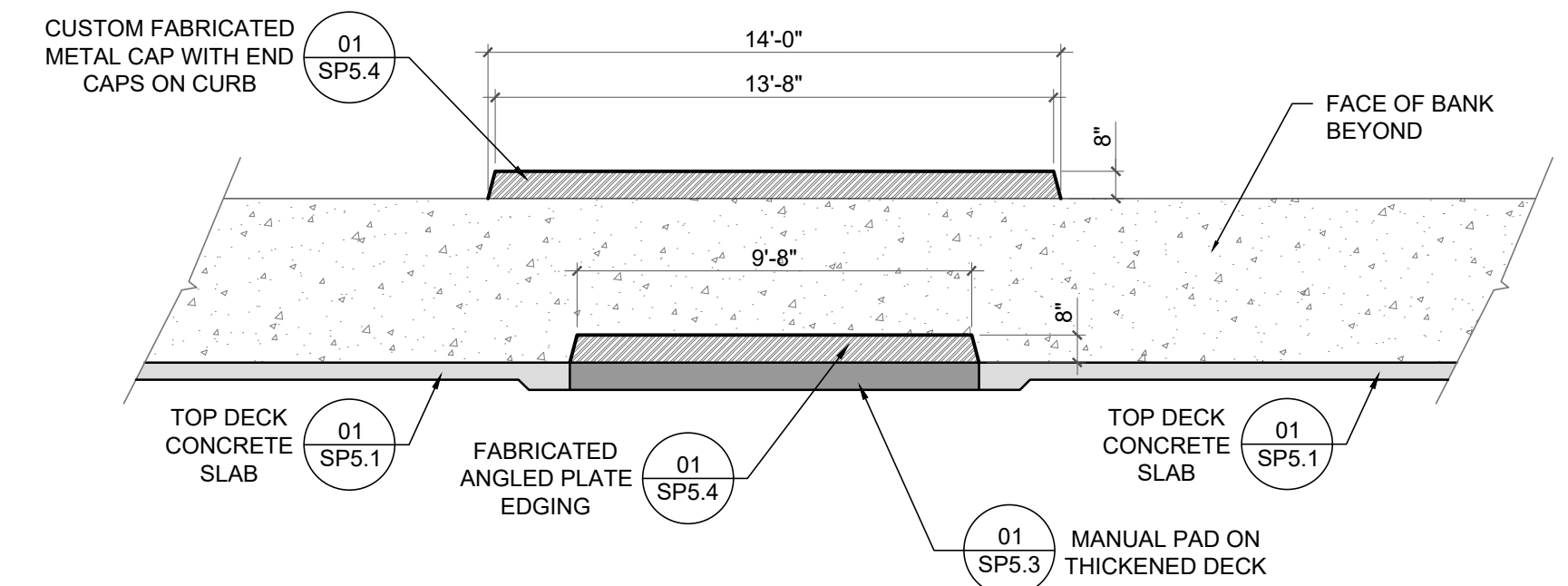
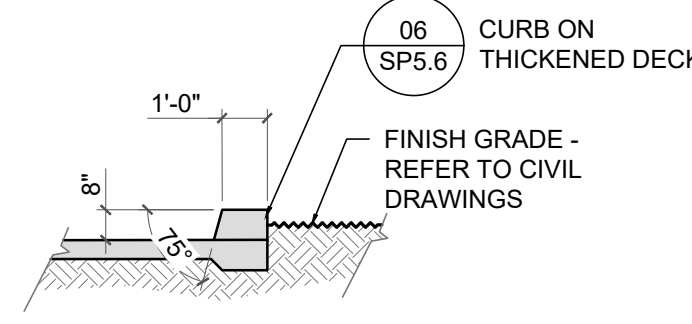
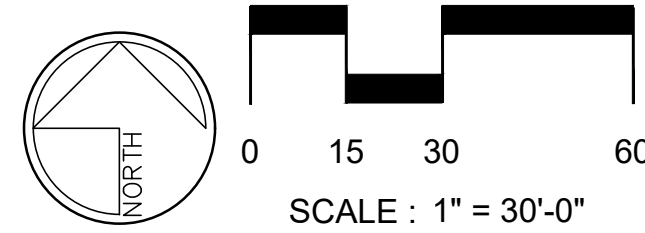
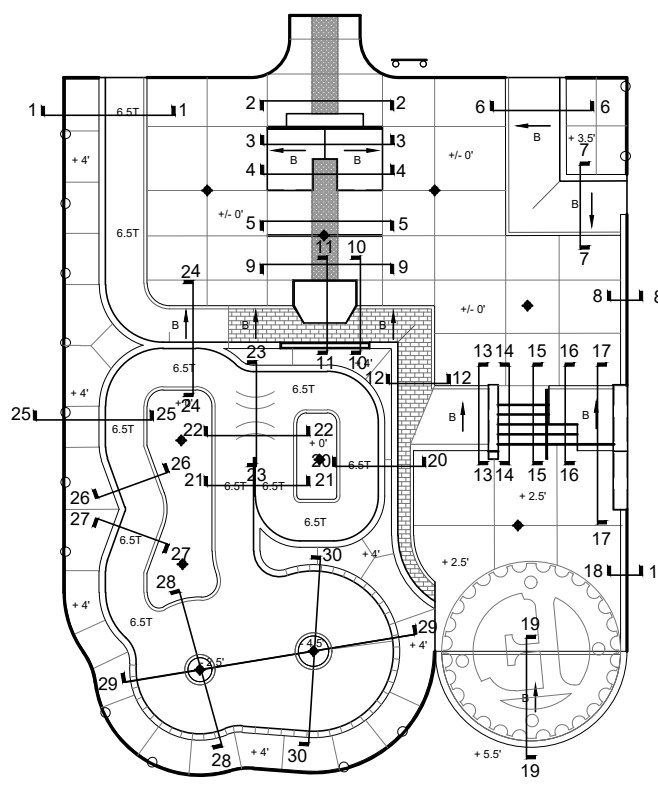
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SHEET NUMBER: SP4.01



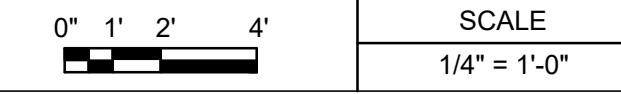


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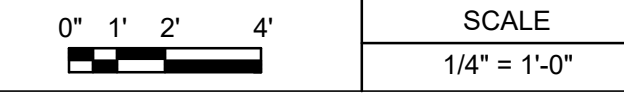
CONCRETE GENERAL / SPECIALTY WORK LEGEND	MATERIAL LEGEND
CONCRETE WORK TO BE PERFORMED BY GENERAL CONTRACTOR OR SKATE PARK SPECIALTY CONTRACTOR	CONCRETE WALL / LEDGE / BANK/ QUARTER PIPE BEYOND
CONCRETE WORK TO BE PERFORMED BY SKATE PARK SPECIALTY CONTRACTOR	METAL EDGING BEYOND
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**8 SECTION**

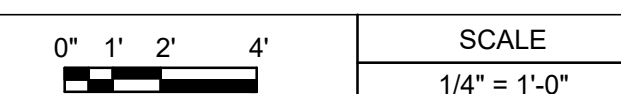


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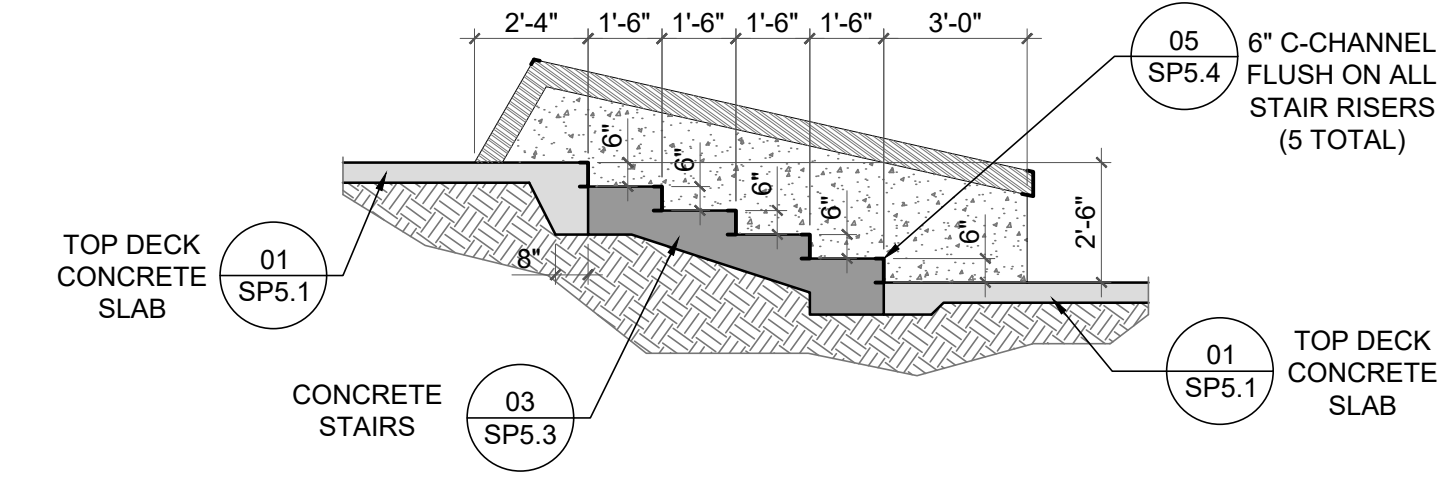
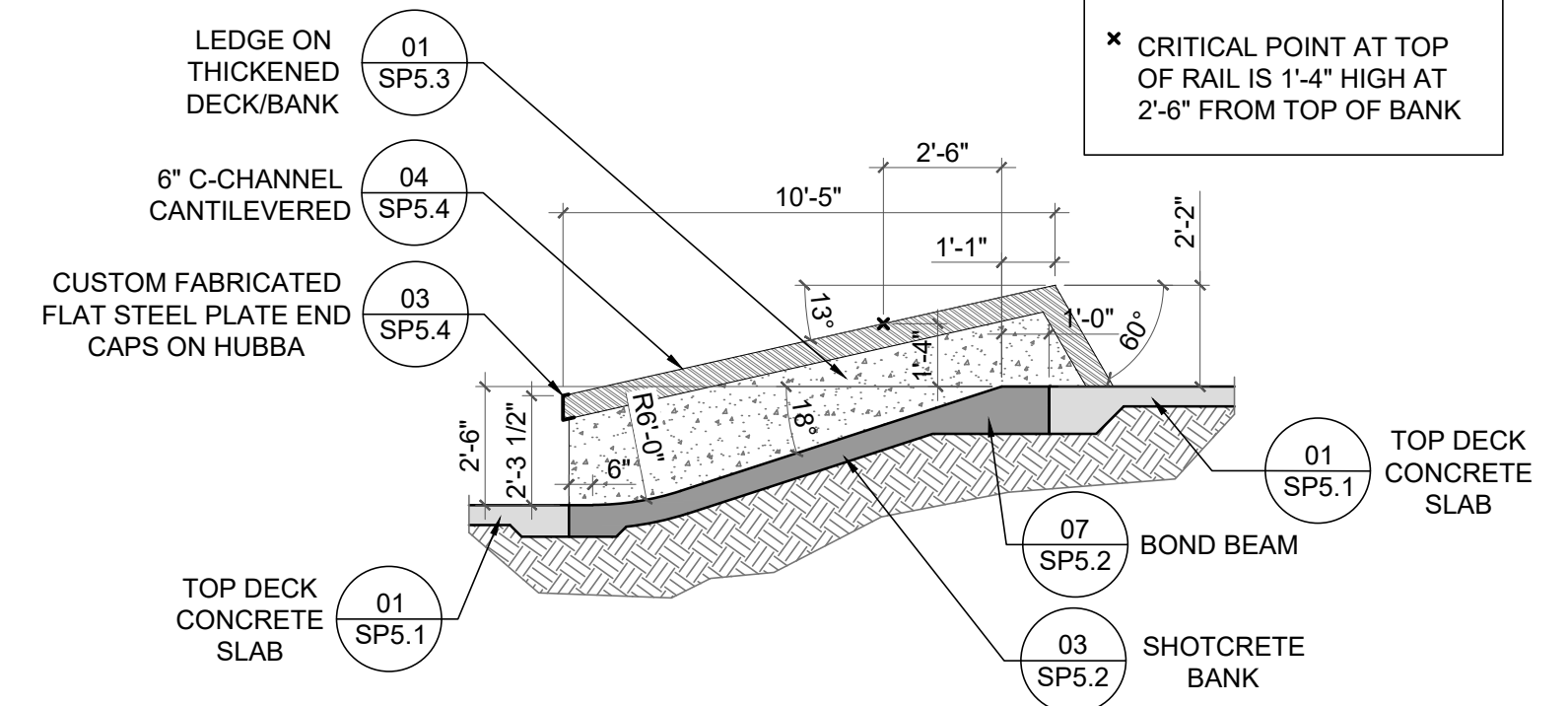
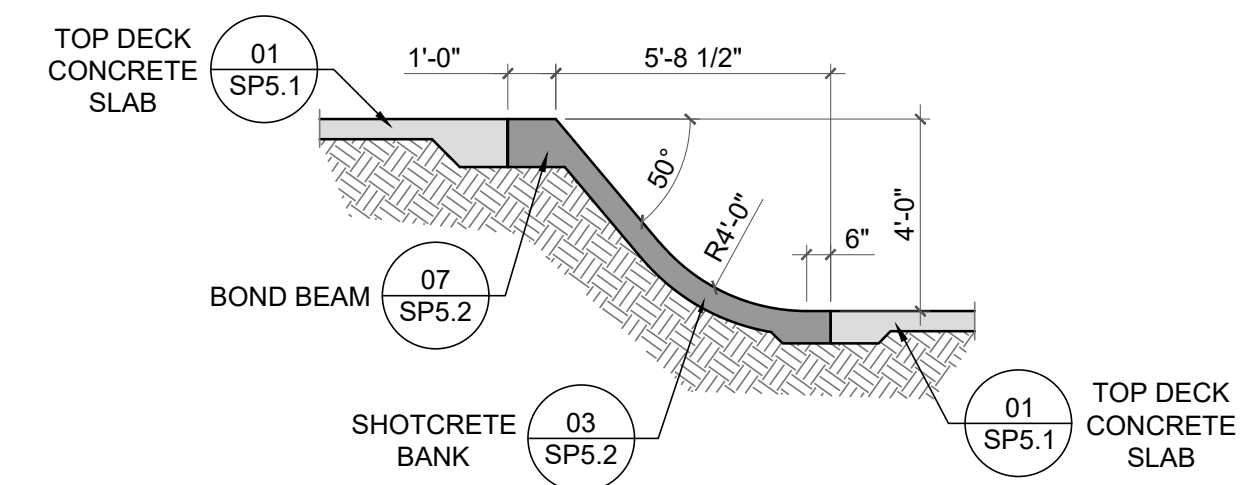
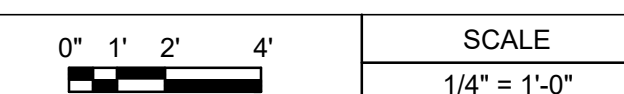


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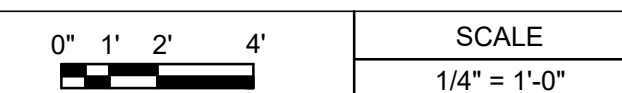
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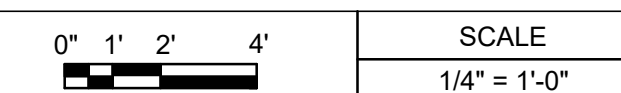
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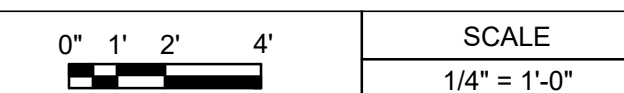
**12 SECTION**



**13 SECTION**



**14 SECTION**



**ASD**  
Action Sports Design, LLC  
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Austin, TX 78738  
Phone: (512) 387-5827  
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MICHAEL R. MCINTYRE  
688  
9/30/07  
Original Date of Licensure  
LICENSED LANDSCAPE ARCHITECT  
STATE OF COLORADO

PROJECT: REED PARK ALL WHEEL PARK  
City of Fruita, CO

SHEET TITLE: SKATE PARK SECTIONS & PROFILES

ISSUE DATE:  
08/03/2023

DRAWN BY:  
ASD

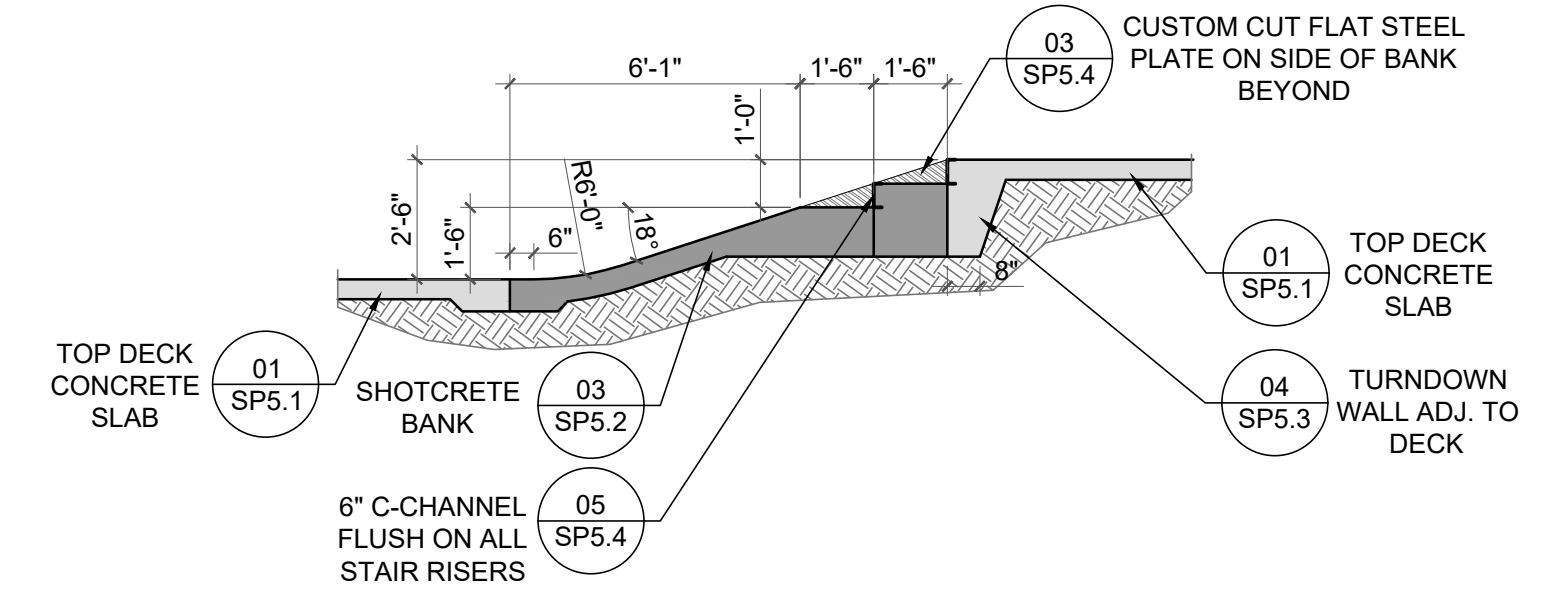
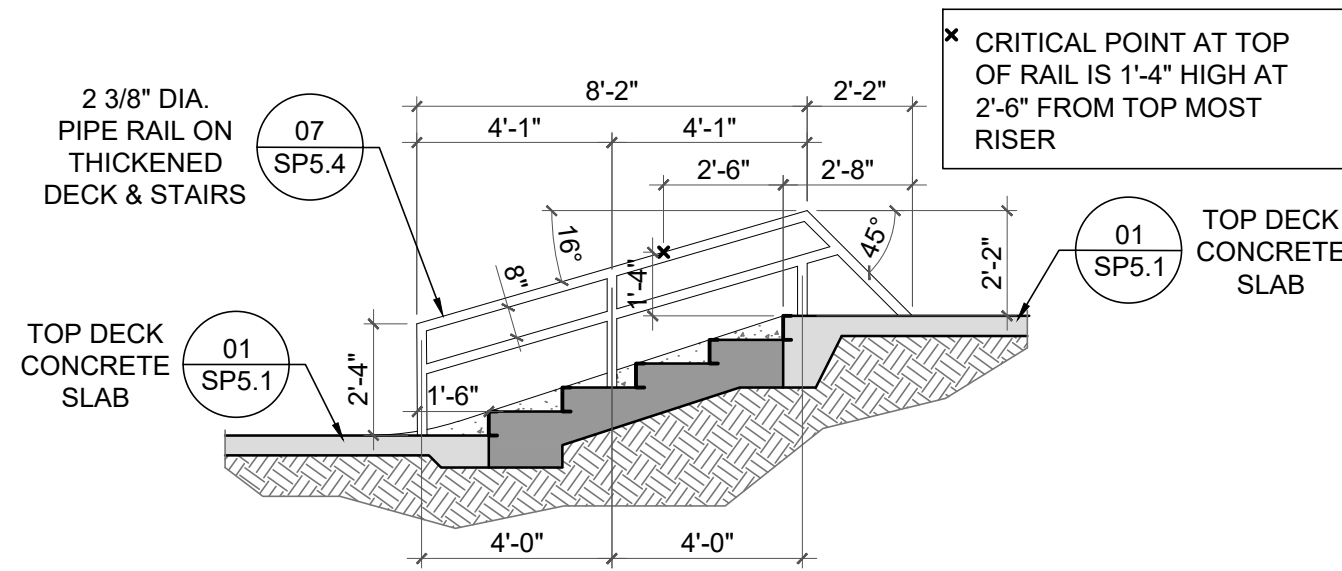
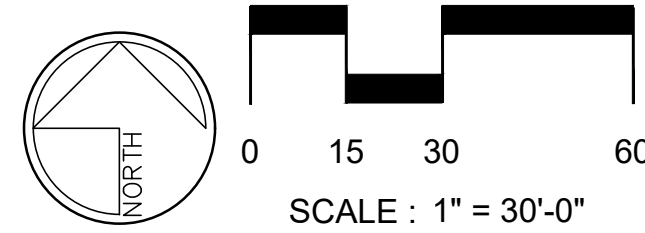
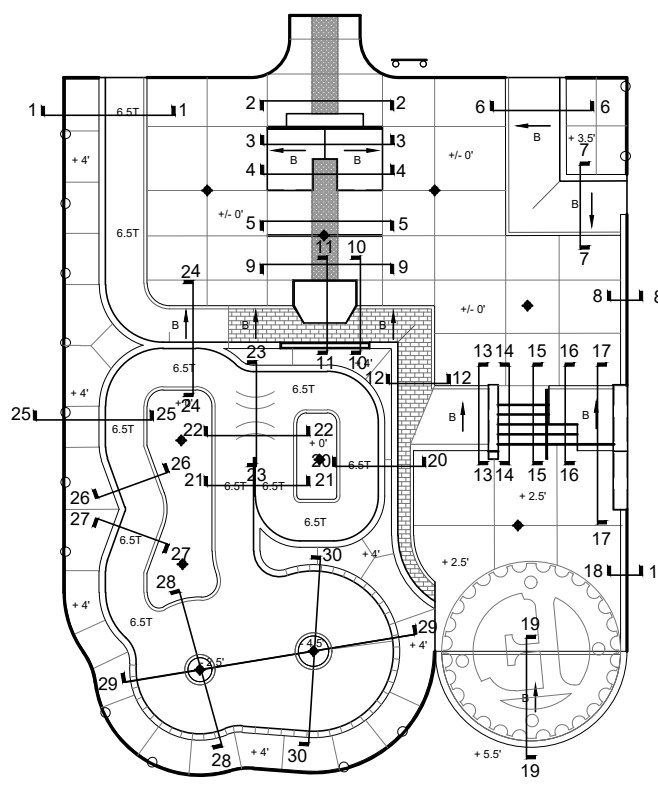
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REVISIONS:

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SHEET NUMBER:  
SP4.02





**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

**MATERIAL LEGEND**

CONCRETE WALL / LEDGE / BANK/ QUARTER PIPE BEYOND

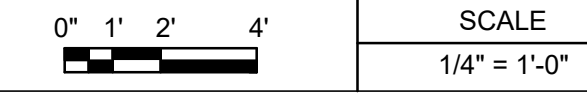
METAL EDGING BEYOND

RECOMMENDED SUB-BASE MATERIAL PER CONSTRUCTION DETAILS

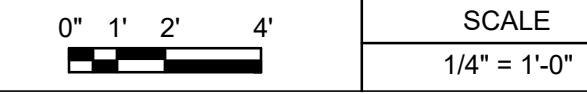
**GENERAL NOTES**

- 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 CONSTRUCTION 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.
- 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.
- REFER TO CONSTRUCTION DETAILS FOR RECOMMENDED SUB-BASE MATERIAL.
- IF THERE ARE ANY MATERIAL, COLOR, OR DIMENSIONS DISCREPANCIES BETWEEN THE SECTIONS AND PLANS, CONTRACTOR SHALL NOTIFY SKATE PARK DESIGNER.

**15 SECTION**

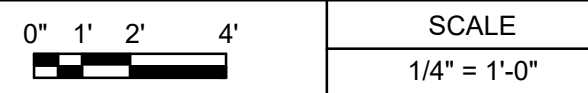


**16 SECTION**

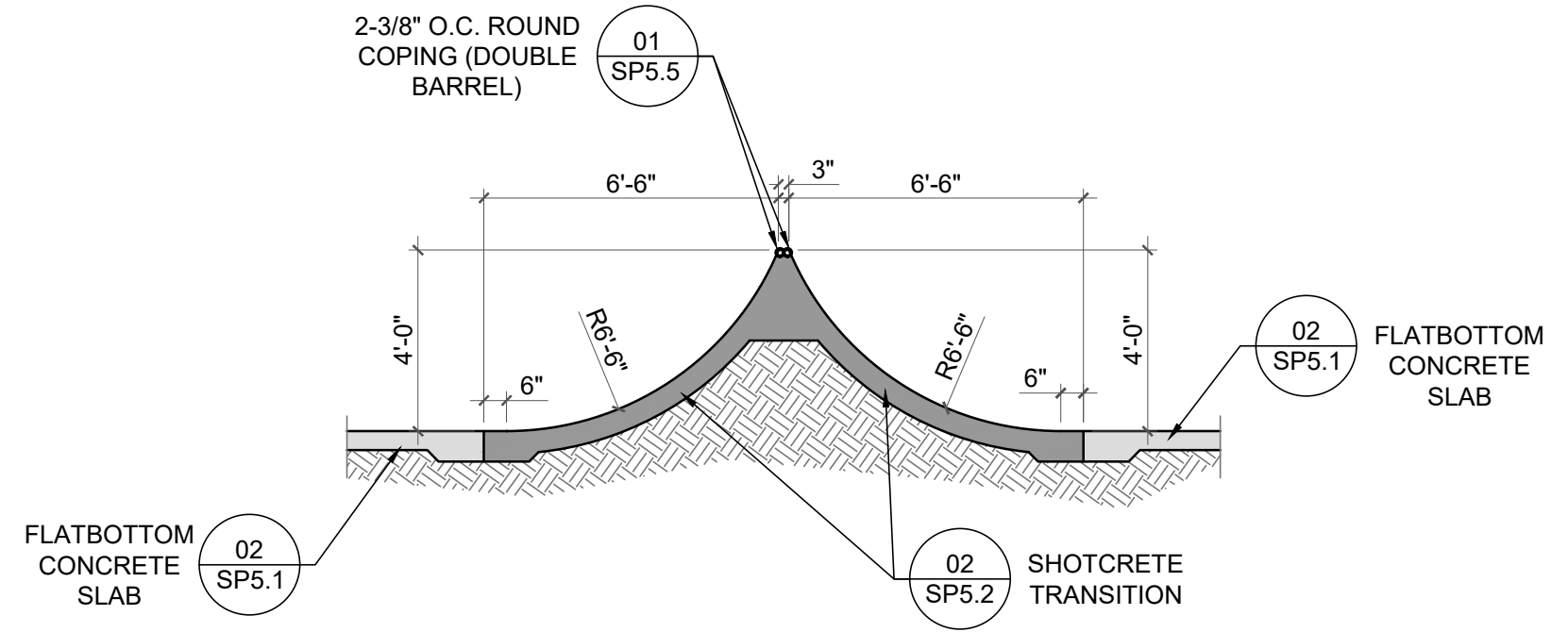
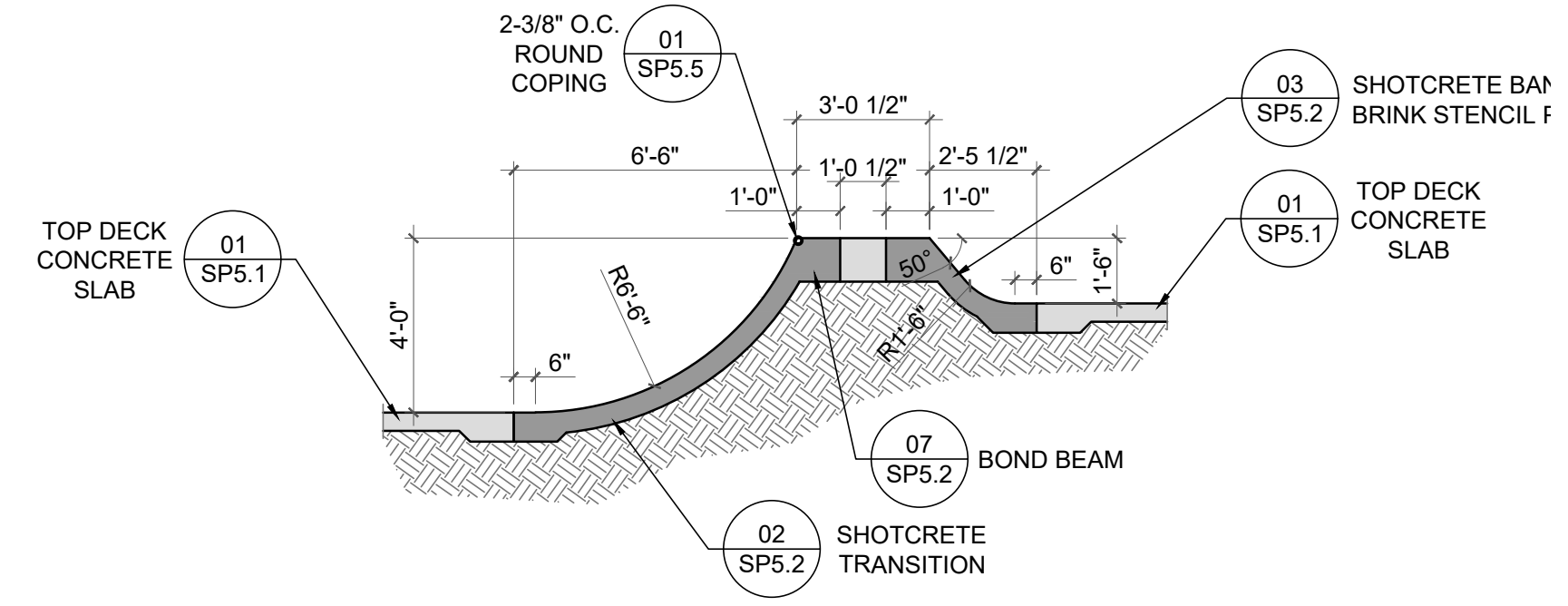
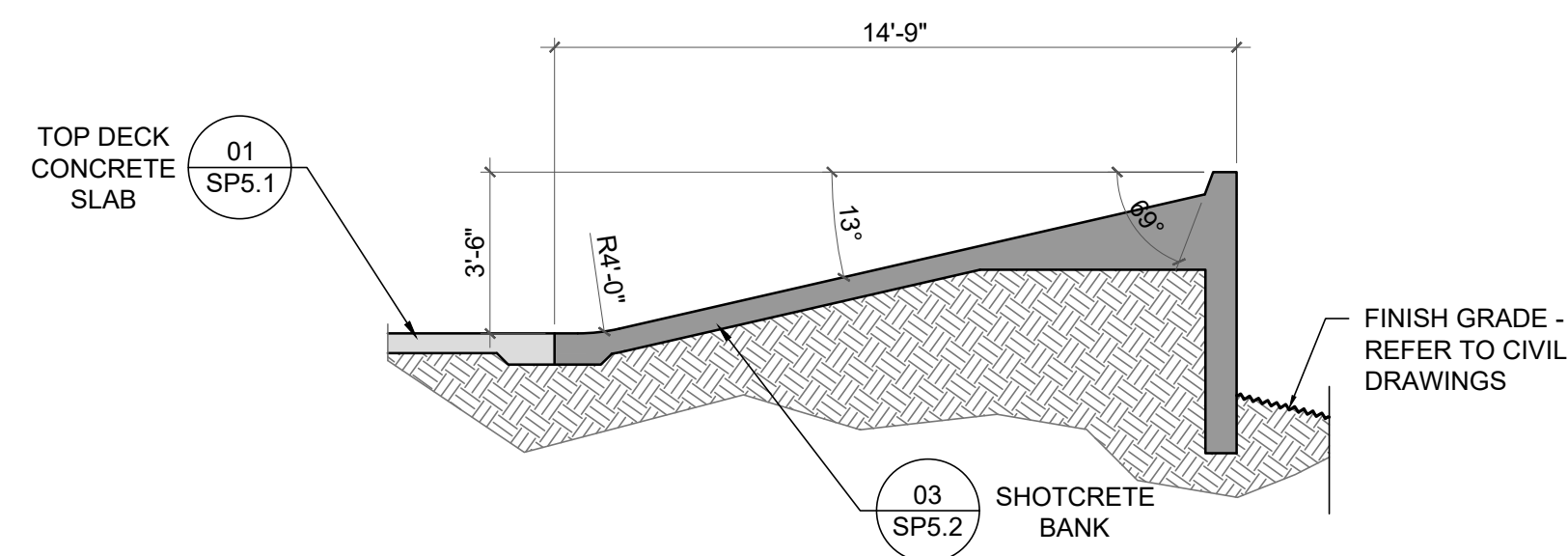


**NOTES**

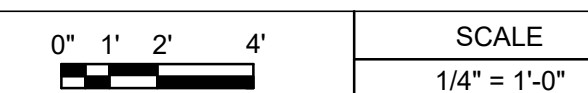
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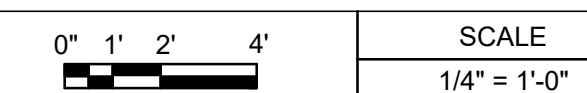
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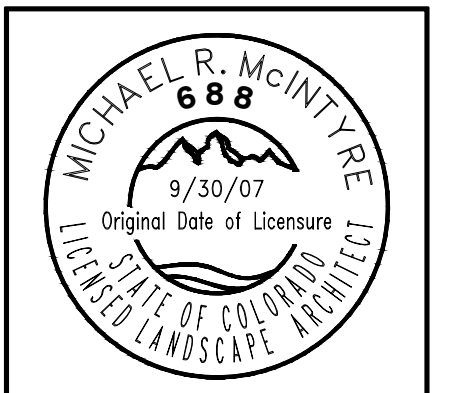
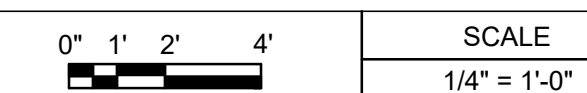
**19 SECTION**



**20 SECTION**



**21 SECTION**



PROJECT: REED PARK ALL WHEEL PARK  
City of Fruita, CO

SHEET TITLE: SKATE PARK SECTIONS & PROFILES

ISSUE DATE: 08/03/2023

DRAWN BY: ASD

CHECKED BY: ASD

REVISIONS:

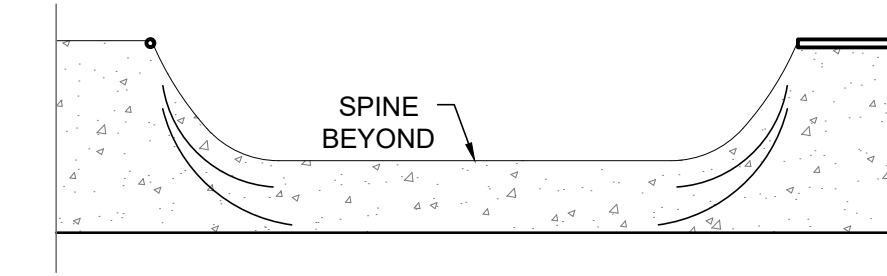
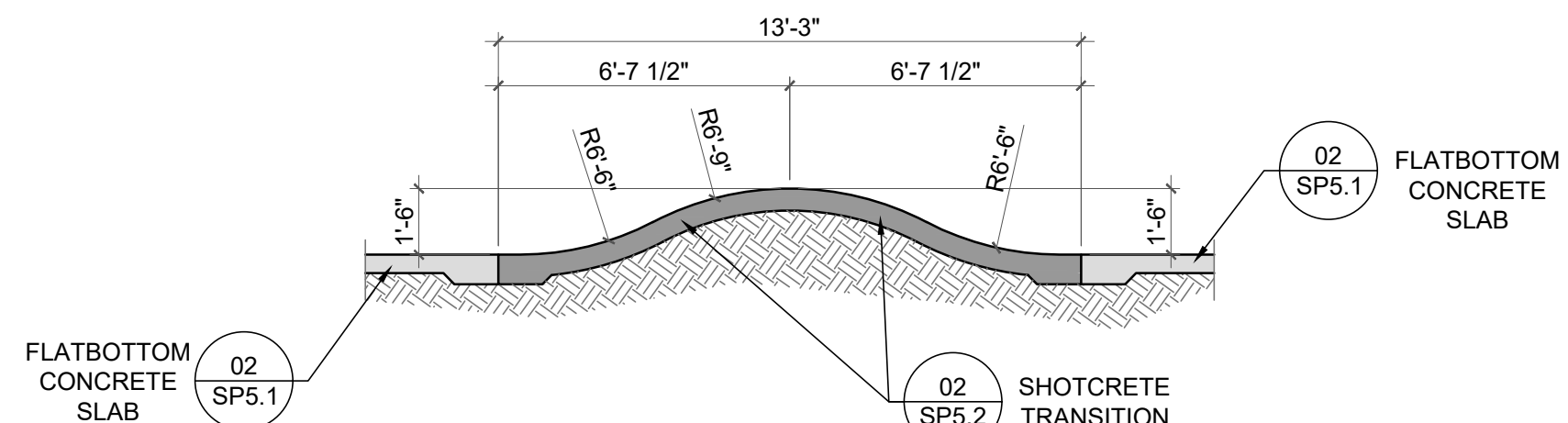
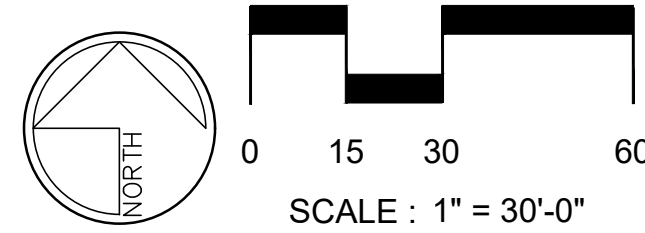
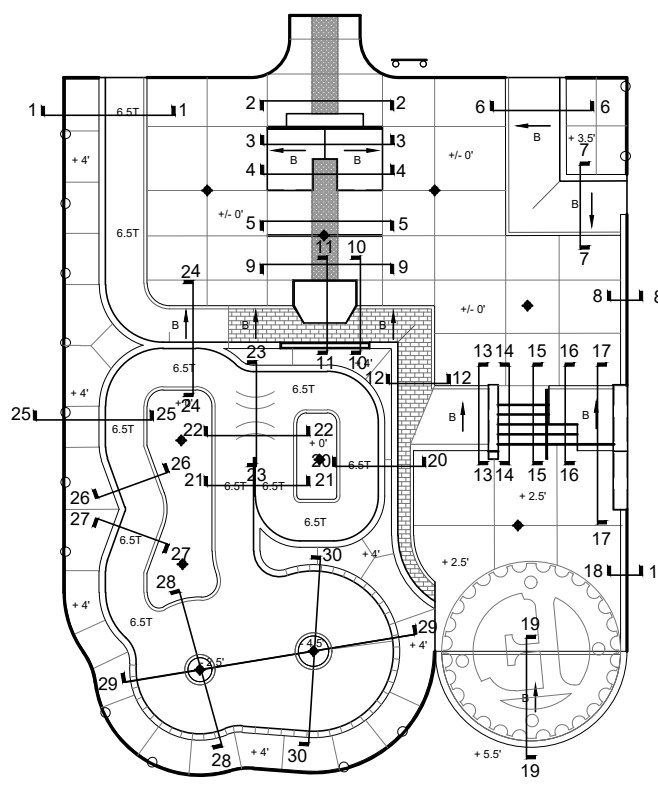
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SHEET NUMBER: SP4.03





**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

**MATERIAL LEGEND**

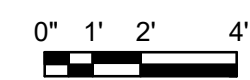
- CONCRETE WALL / LEDGE / BANK / QUARTER PIPE BEYOND
- METAL EDGING BEYOND
- RECOMMENDED SUB-BASE MATERIAL PER CONSTRUCTION DETAILS

**GENERAL NOTES**

1. ALL SECTION DIMENSIONS ARE TOP OF CONCRETE FINISH GRADE UNLESS OTHERWISE NOTED.
2. DO NOT INCLUDE METAL FABRICATION OFFSET TO OVERALL DIMENSIONS SHOWN IN SECTIONS AND PROFILES.
3. REFER TO SKATE PARK LAYOUT PLAN SHEETS FOR ACTUAL HORIZONTAL LOCATIONS.
4. 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.
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6. 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.
7. 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.
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11. REFER TO CONSTRUCTION DETAILS FOR RECOMMENDED SUB-BASE MATERIAL.
12. IF THERE ARE ANY MATERIAL, COLOR, OR DIMENSIONS DISCREPANCIES BETWEEN THE SECTIONS AND PLANS, CONTRACTOR SHALL NOTIFY SKATE PARK DESIGNER.

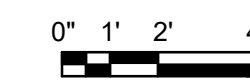
**NOTES**

**22 SECTION**

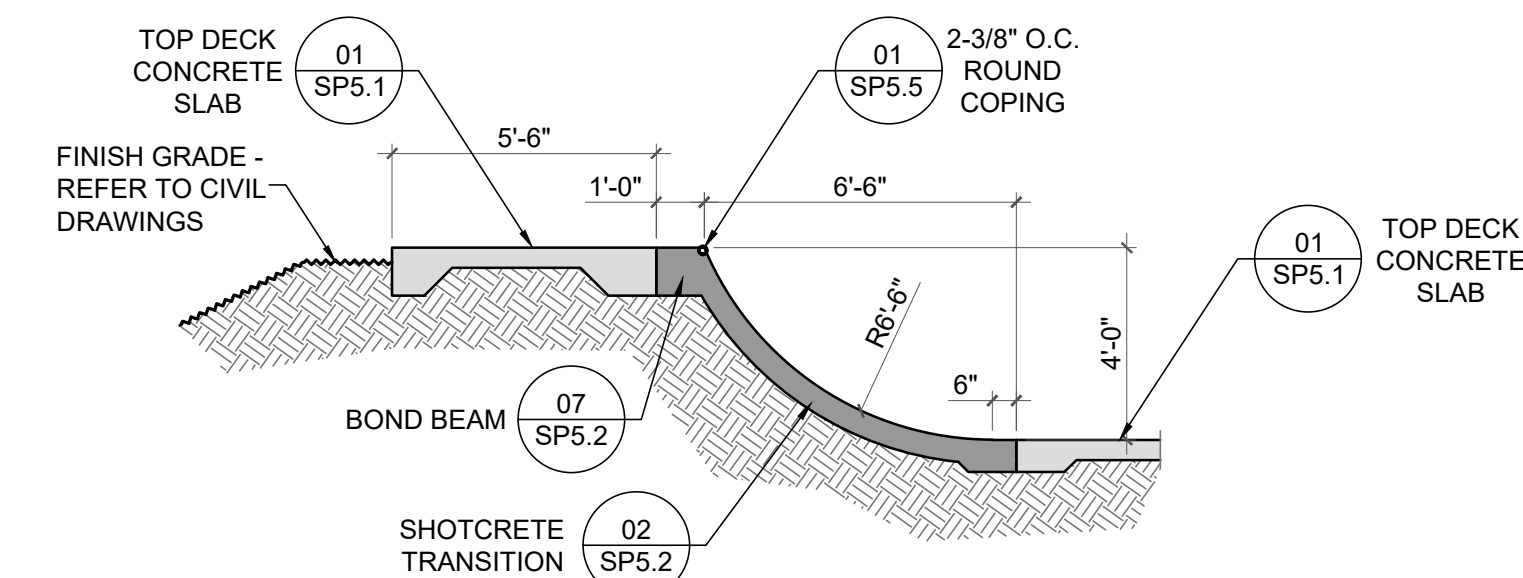
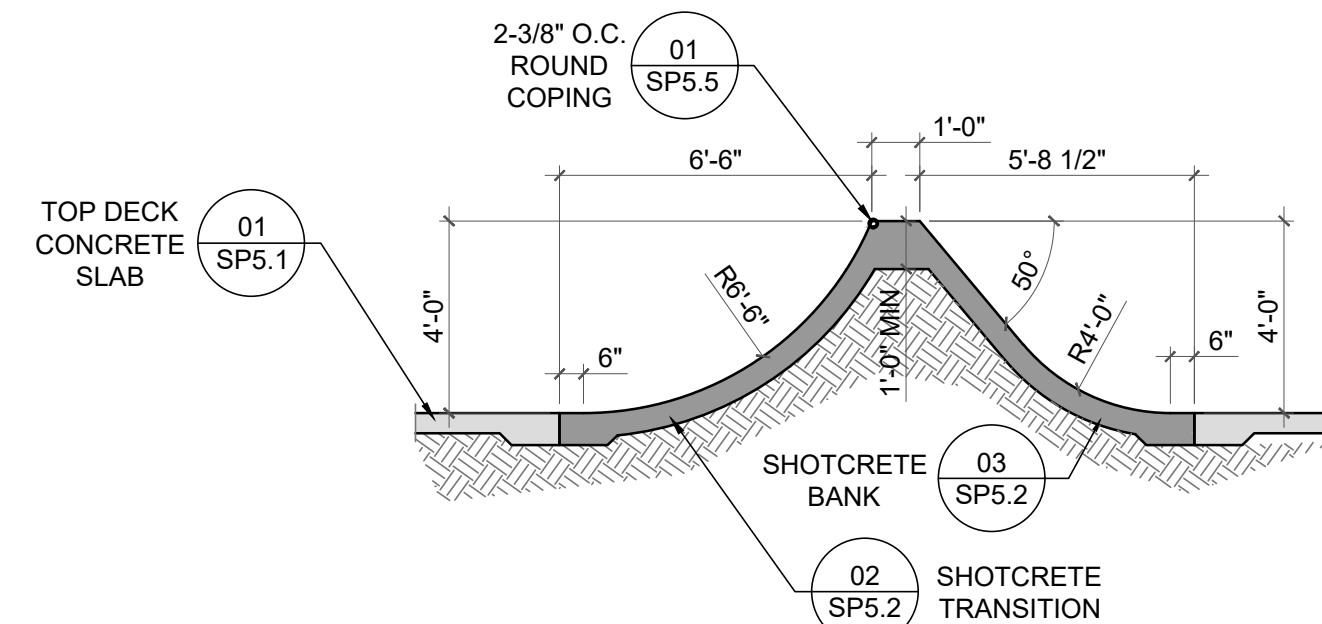


SCALE  
1/4" = 1'-0"

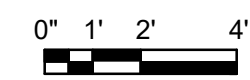
**23 SECTION**



SCALE  
1/4" = 1'-0"

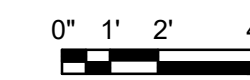


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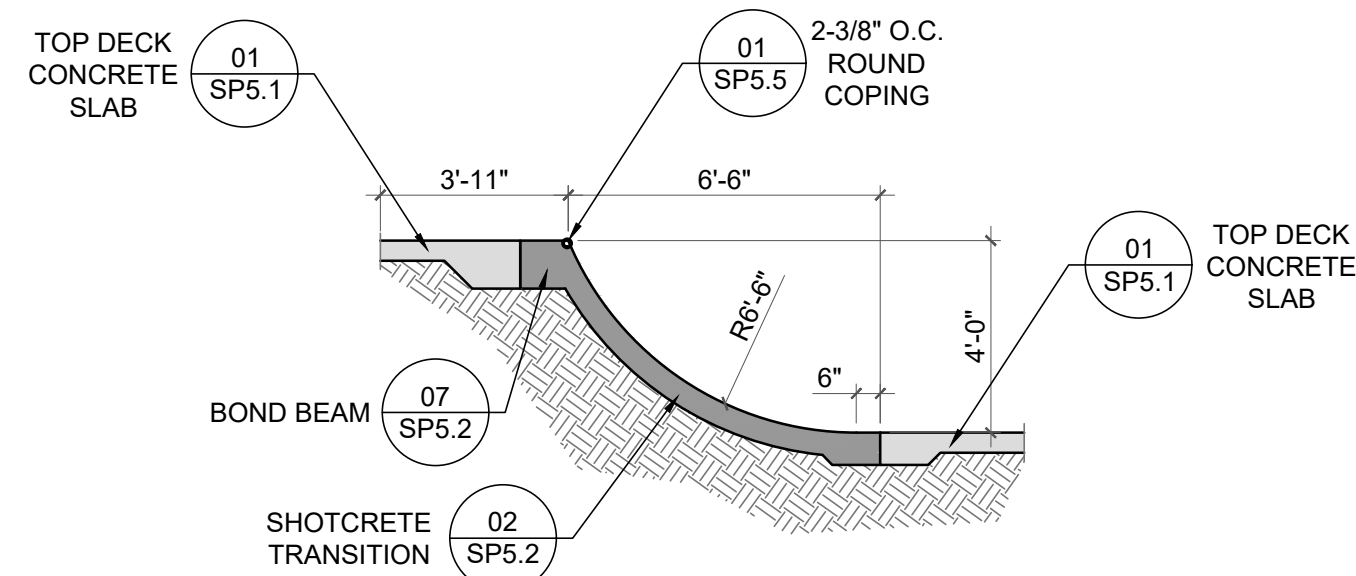
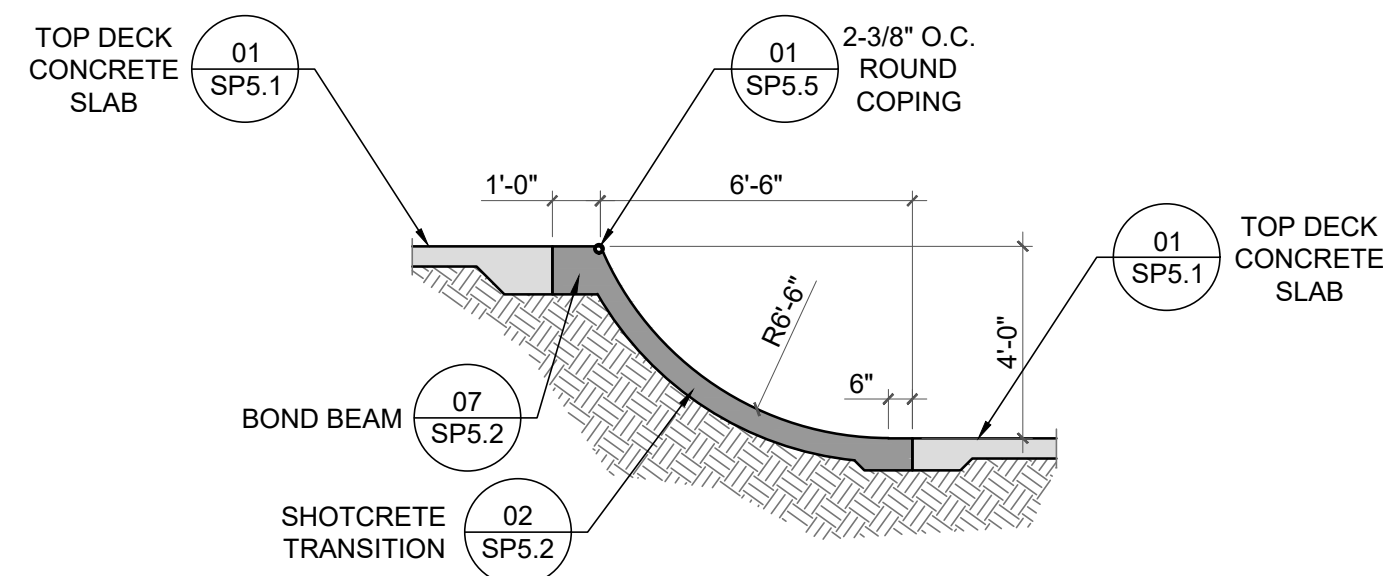


SCALE  
1/4" = 1'-0"

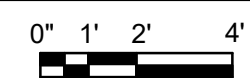
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SCALE  
1/4" = 1'-0"

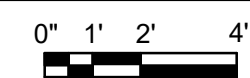


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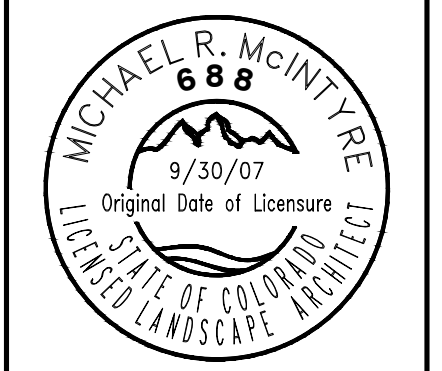


SCALE  
1/4" = 1'-0"

**27 SECTION**



SCALE  
1/4" = 1'-0"



PROJECT: REED PARK ALL WHEEL PARK  
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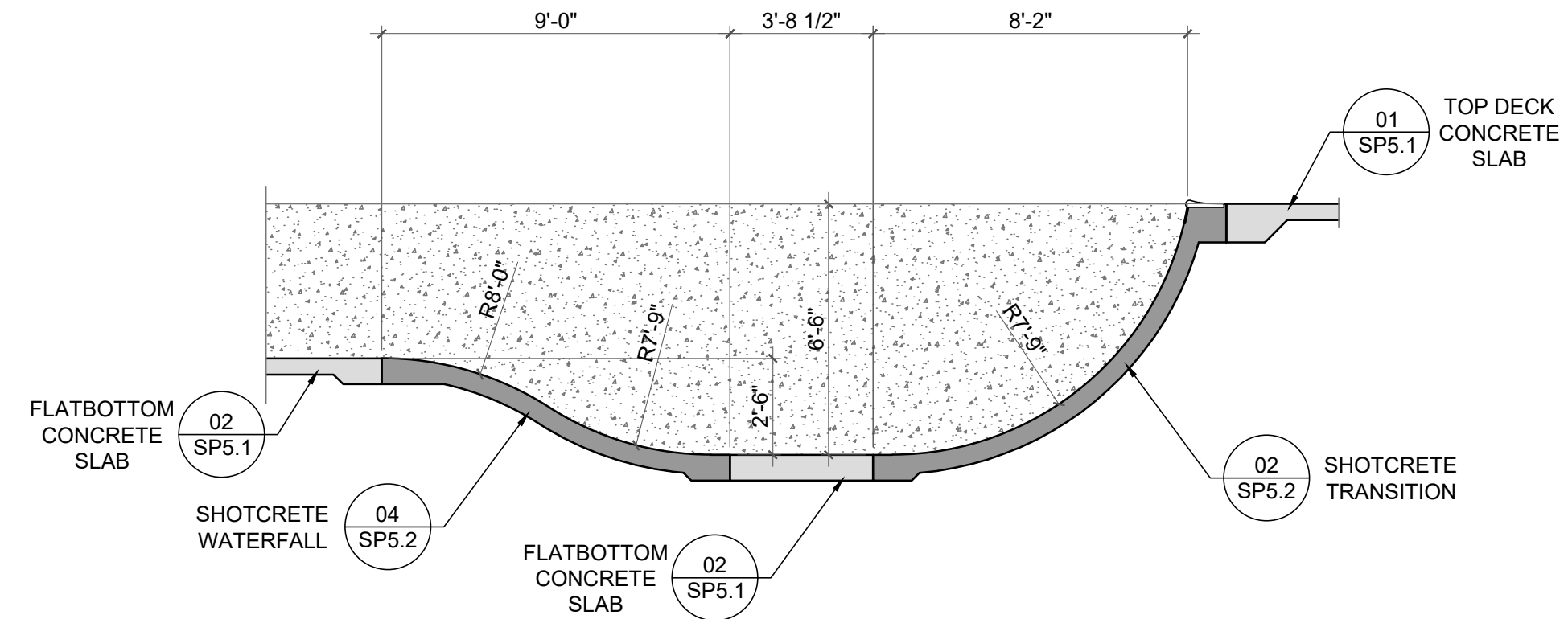
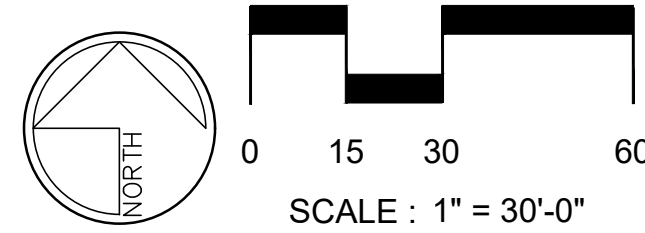
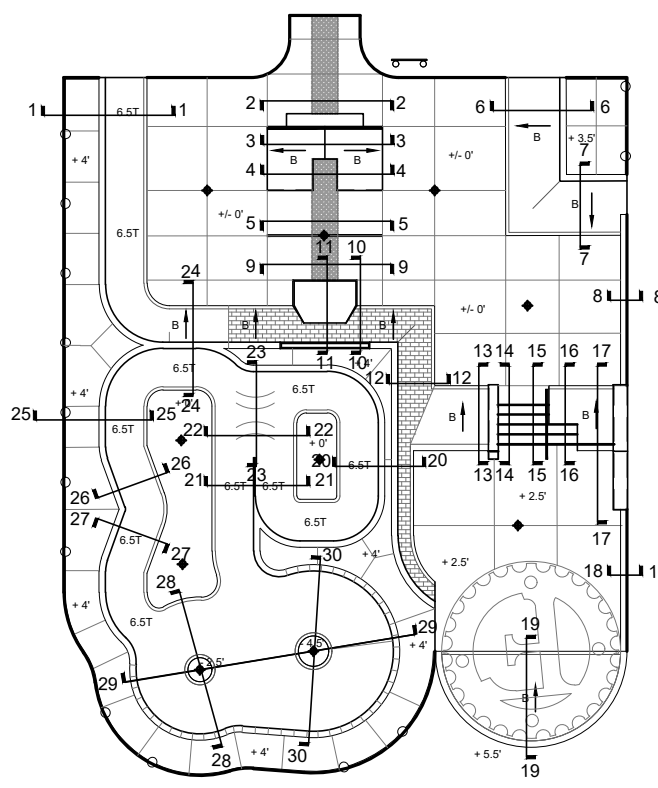
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REVISIONS:

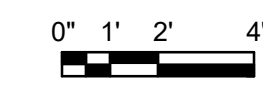
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SHEET NUMBER:  
SP4.04





**28 SECTION**



SCALE  
1/4" = 1'-0"

**KEY MAP**

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**MATERIAL LEGEND**

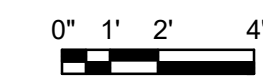
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- METAL EDGING BEYOND
- RECOMMENDED SUB-BASE MATERIAL PER CONSTRUCTION DETAILS

**GENERAL NOTES**

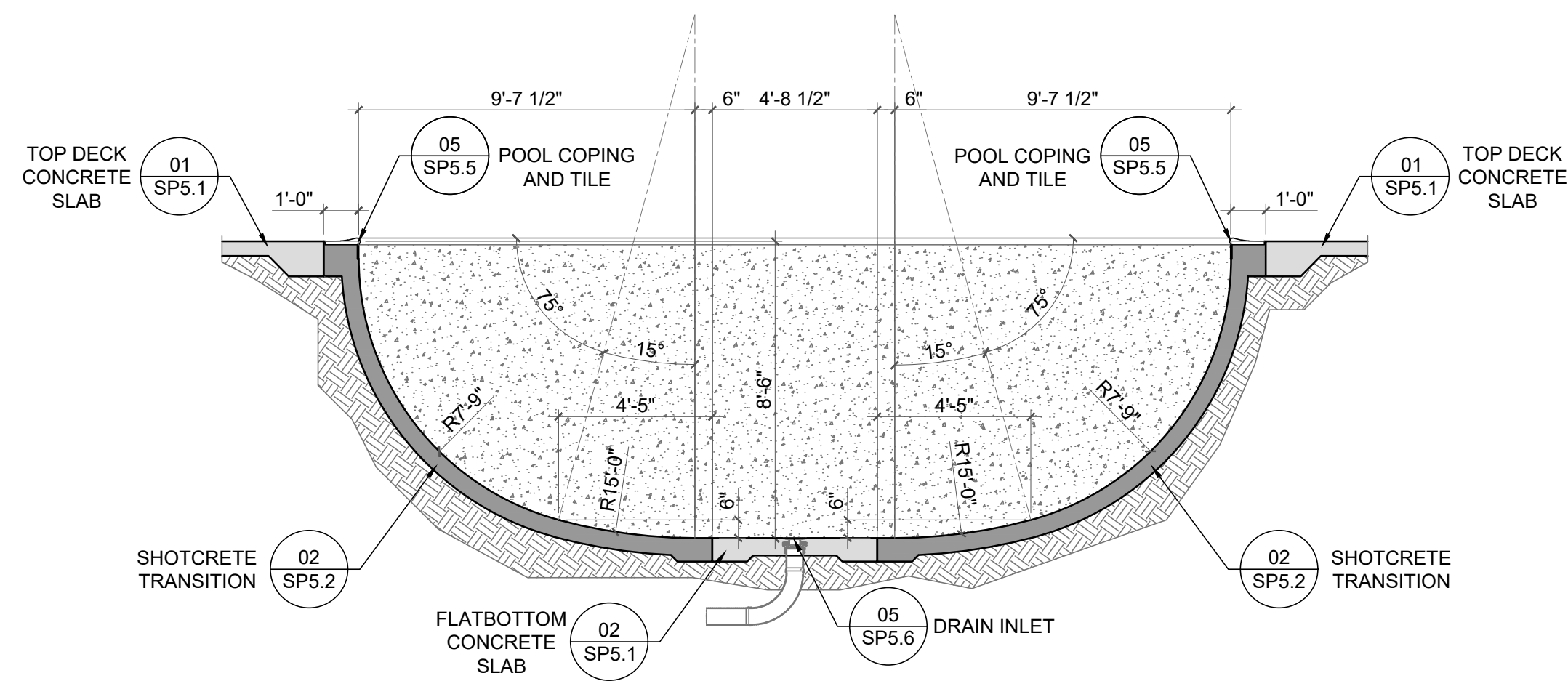
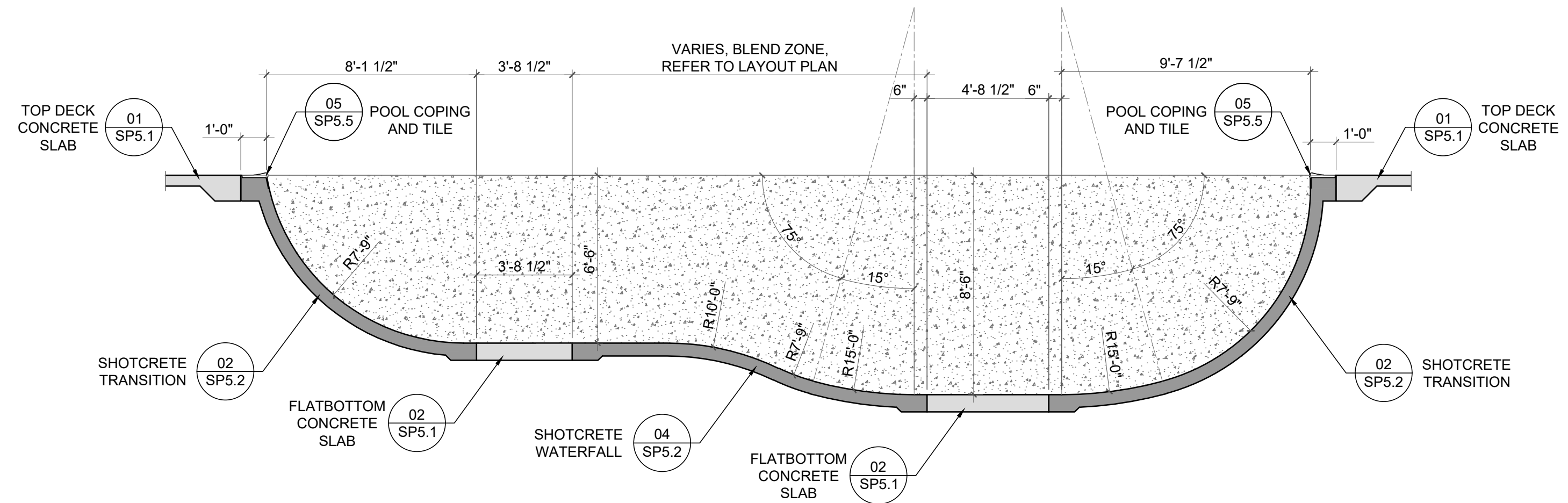
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**NOTES**

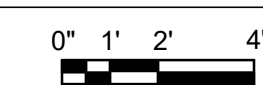
**29 SECTION**



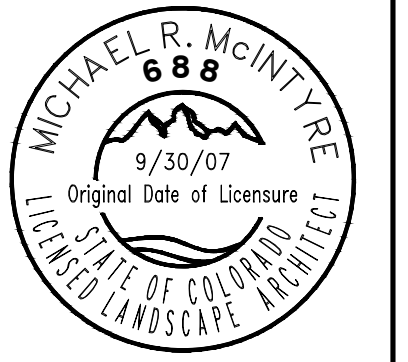
SCALE  
1/4" = 1'-0"



**30 SECTION**



SCALE  
1/4" = 1'-0"



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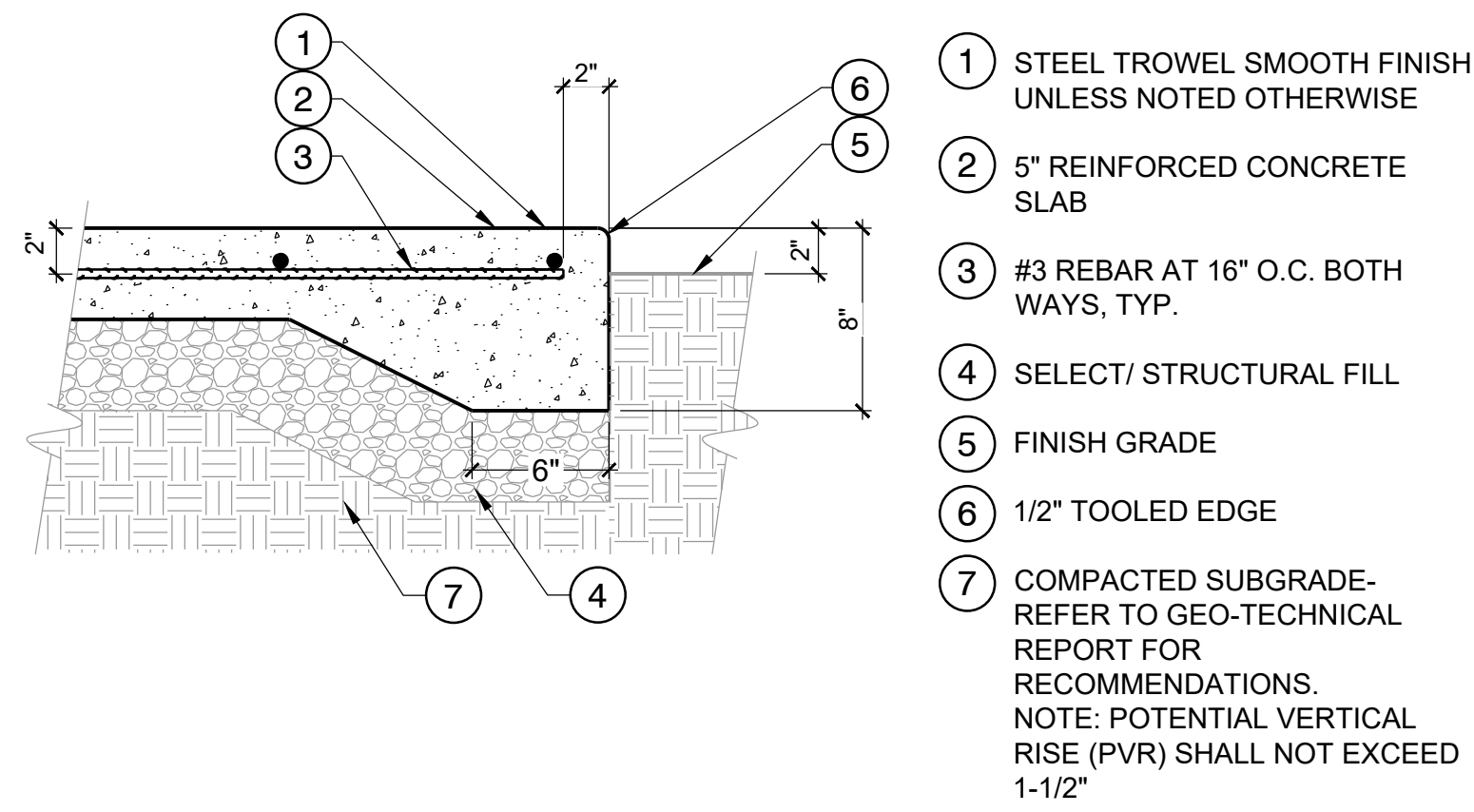
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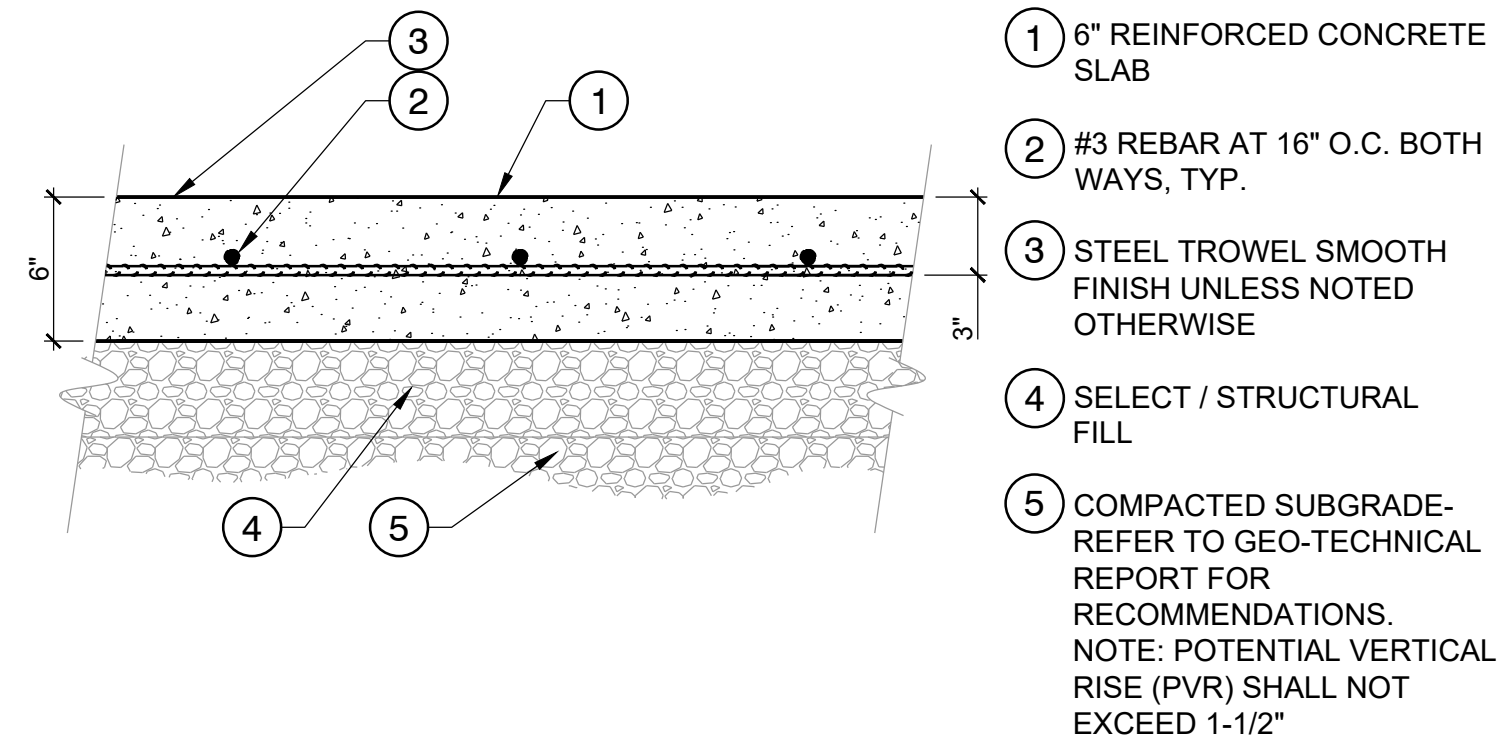
SHEET NUMBER:  
SP4.05





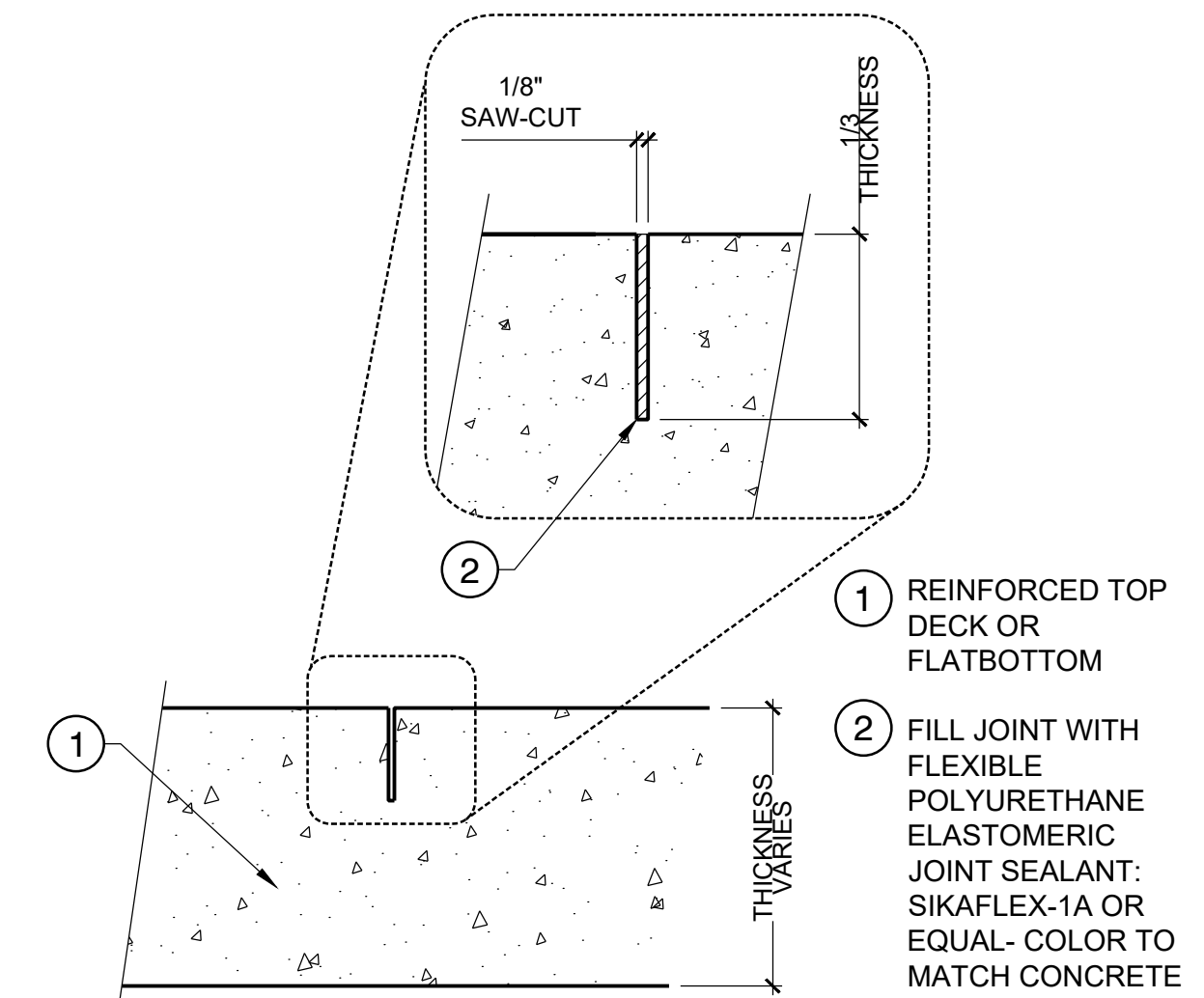
- 1 STEEL TROWEL SMOOTH FINISH UNLESS NOTED OTHERWISE
- 2 5" REINFORCED CONCRETE SLAB
- 3 #3 REBAR AT 16" O.C. BOTH WAYS, TYP.
- 4 SELECT / STRUCTURAL FILL
- 5 FINISH GRADE
- 6 1/2" TOOLED EDGE
- 7 COMPACTED SUBGRADE- REFER TO GEO-TECHNICAL REPORT FOR RECOMMENDATIONS. NOTE: POTENTIAL VERTICAL RISE (PVR) SHALL NOT EXCEED 1-1/2"

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



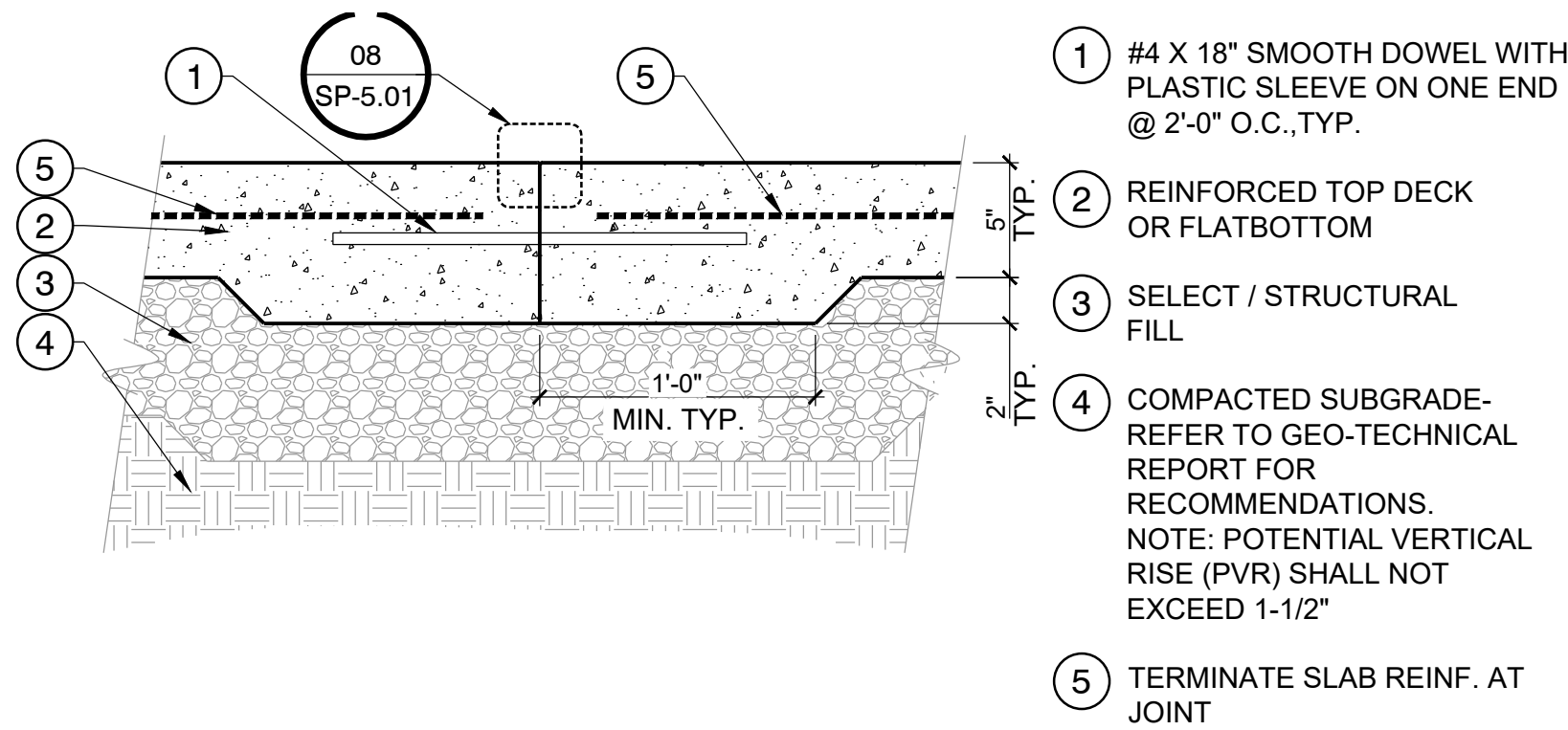
- 1 6" REINFORCED CONCRETE SLAB
- 2 #3 REBAR AT 16" O.C. BOTH WAYS, TYP.
- 3 STEEL TROWEL SMOOTH FINISH UNLESS NOTED OTHERWISE
- 4 SELECT / STRUCTURAL FILL
- 5 COMPACTED SUBGRADE- REFER TO GEO-TECHNICAL REPORT FOR RECOMMENDATIONS. NOTE: POTENTIAL VERTICAL RISE (PVR) SHALL NOT EXCEED 1-1/2"

02 6" THK. FLAT-BOTTOM CONCRETE SLAB  
1 1/2" = 1'-0"



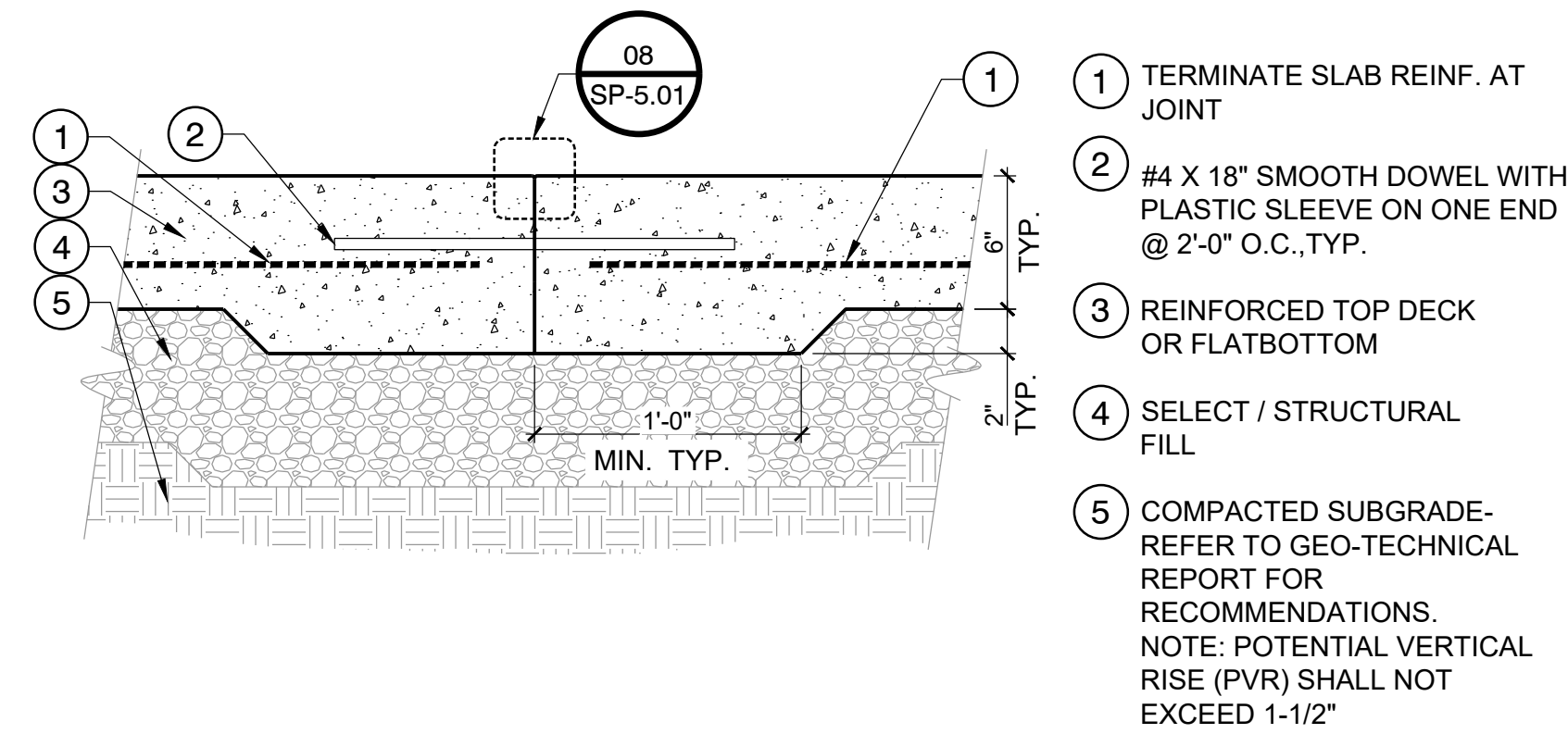
- 1 REINFORCED TOP DECK OR FLATBOTTOM
- 2 FILL JOINT WITH FLEXIBLE POLYURETHANE ELASTOMERIC JOINT SEALANT: SIKAFLEX-1A OR EQUAL- COLOR TO MATCH CONCRETE

03 TYP. SAW-CUT JOINT  
3" = 1'-0"



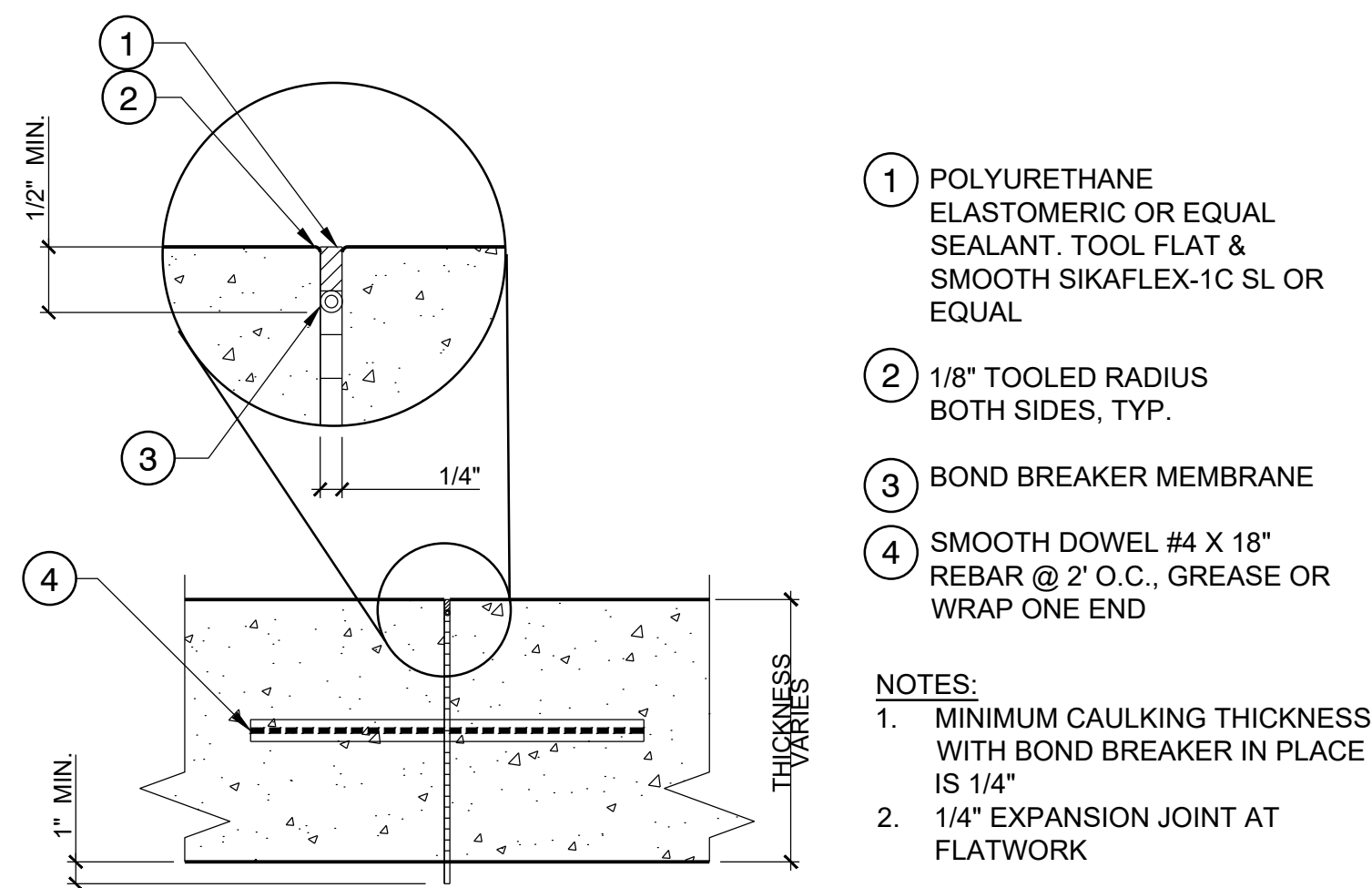
- 1 #4 X 18" SMOOTH DOWEL WITH PLASTIC SLEEVE ON ONE END @ 2'-0" O.C., TYP.
- 2 REINFORCED TOP DECK OR FLATBOTTOM
- 3 SELECT / STRUCTURAL FILL
- 4 COMPACTED SUBGRADE- REFER TO GEO-TECHNICAL REPORT FOR RECOMMENDATIONS. NOTE: POTENTIAL VERTICAL RISE (PVR) SHALL NOT EXCEED 1-1/2"
- 5 TERMINATE SLAB REINF. AT JOINT

04 TYP. CONSTRUCTION JOINT AT 5" SLAB  
1 1/2" = 1'-0"



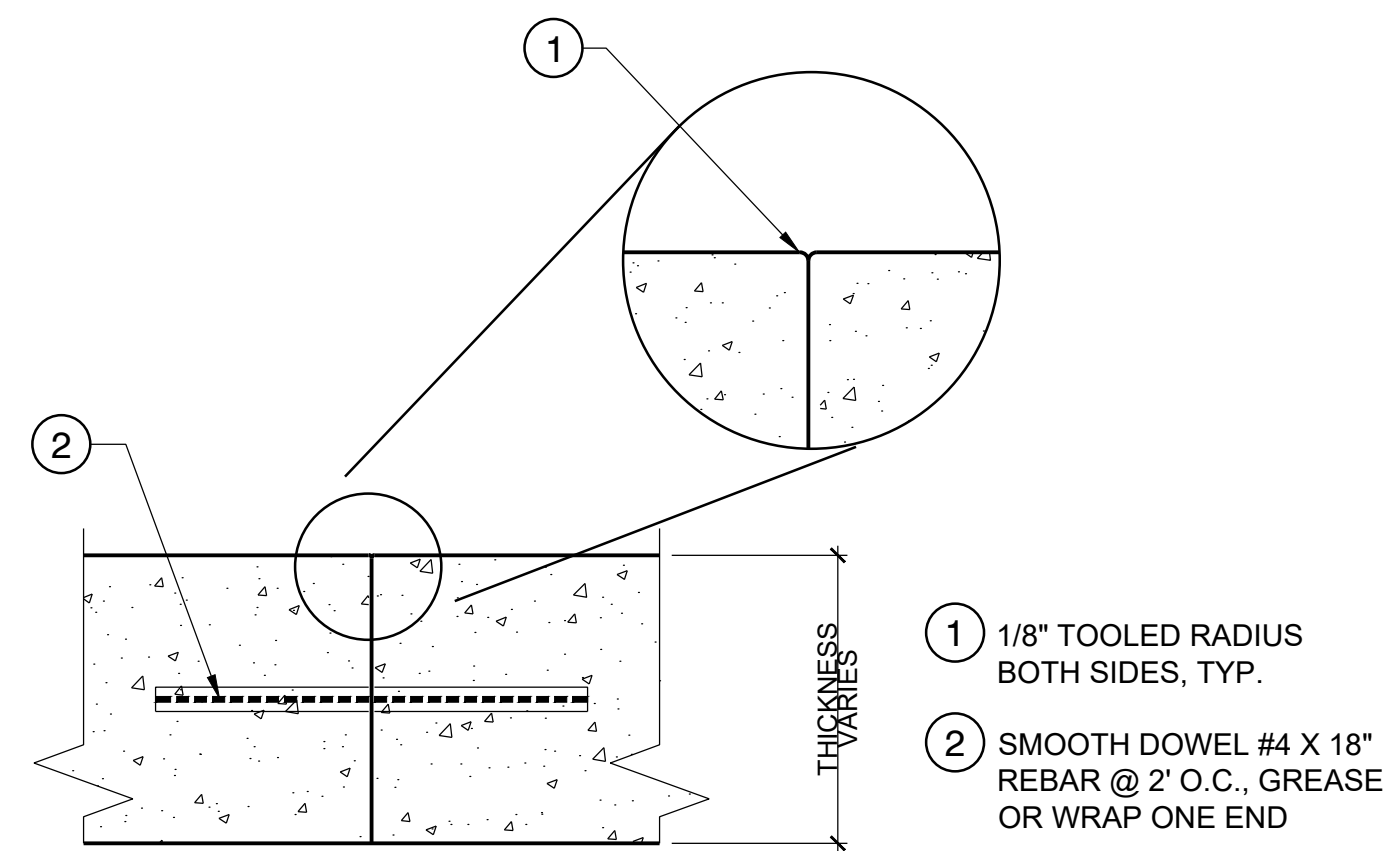
- 1 TERMINATE SLAB REINF. AT JOINT
- 2 #4 X 18" SMOOTH DOWEL WITH PLASTIC SLEEVE ON ONE END @ 2'-0" O.C., TYP.
- 3 REINFORCED TOP DECK OR FLATBOTTOM
- 4 SELECT / STRUCTURAL FILL
- 5 COMPACTED SUBGRADE- REFER TO GEO-TECHNICAL REPORT FOR RECOMMENDATIONS. NOTE: POTENTIAL VERTICAL RISE (PVR) SHALL NOT EXCEED 1-1/2"

05 TYP. CONSTRUCTION JOINT AT 6" SLAB  
1 1/2" = 1'-0"



- 1 POLYURETHANE ELASTOMERIC OR EQUAL SEALANT. TOOL FLAT & SMOOTH SIKAFLEX-1C SL OR EQUAL
  - 2 1/8" TOOLED RADIUS BOTH SIDES, TYP.
  - 3 BOND BREAKER MEMBRANE
  - 4 SMOOTH DOWEL #4 X 18" REBAR @ 2' O.C., GREASE OR WRAP ONE END
- NOTES:  
1. MINIMUM CAULKING THICKNESS WITH BOND BREAKER IN PLACE IS 1/4"  
2. 1/4" EXPANSION JOINT AT FLATWORK

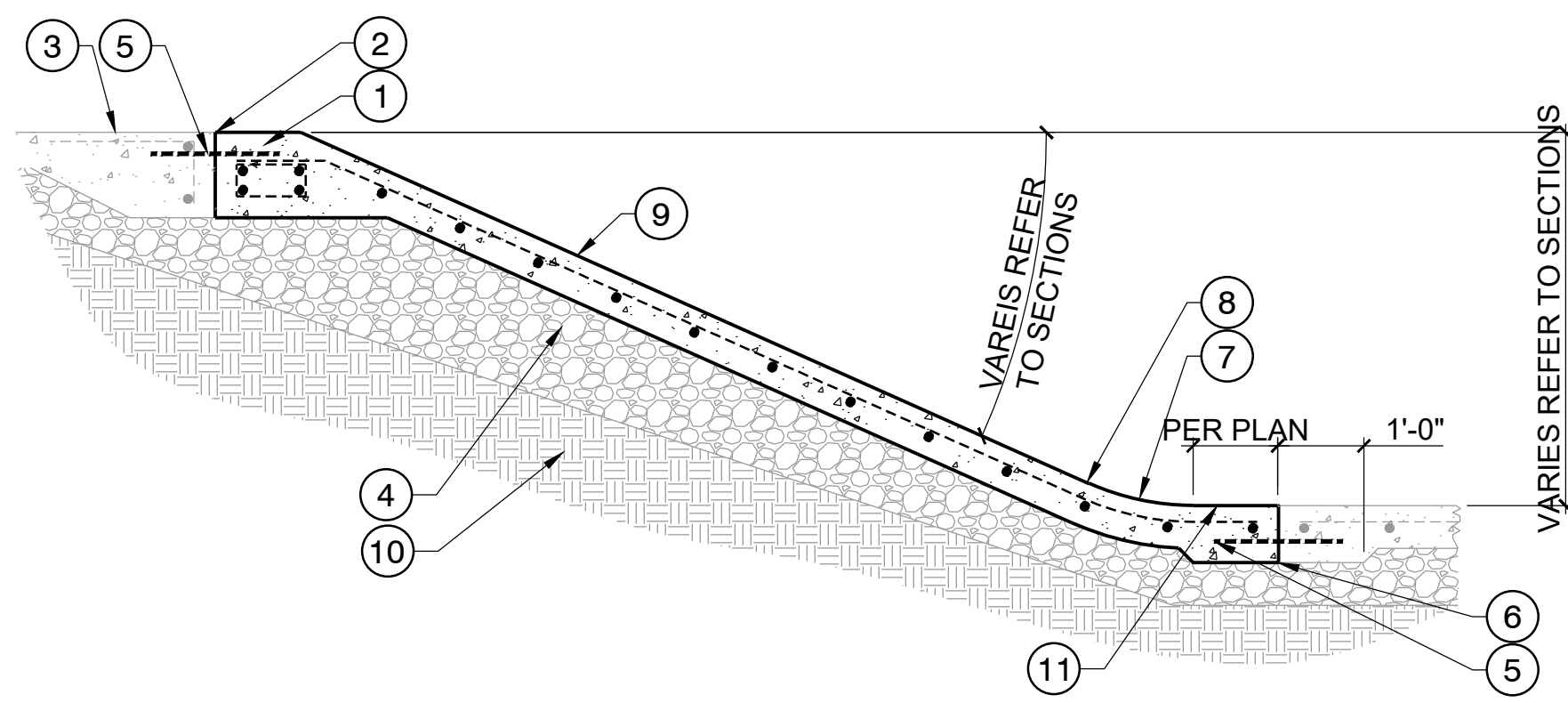
06 TYP. EXPANSION JOINT AT FLATWORK  
NOT TO SCALE



- 1 1/8" TOOLED RADIUS BOTH SIDES, TYP.
- 2 SMOOTH DOWEL #4 X 18" REBAR @ 2' O.C., GREASE OR WRAP ONE END

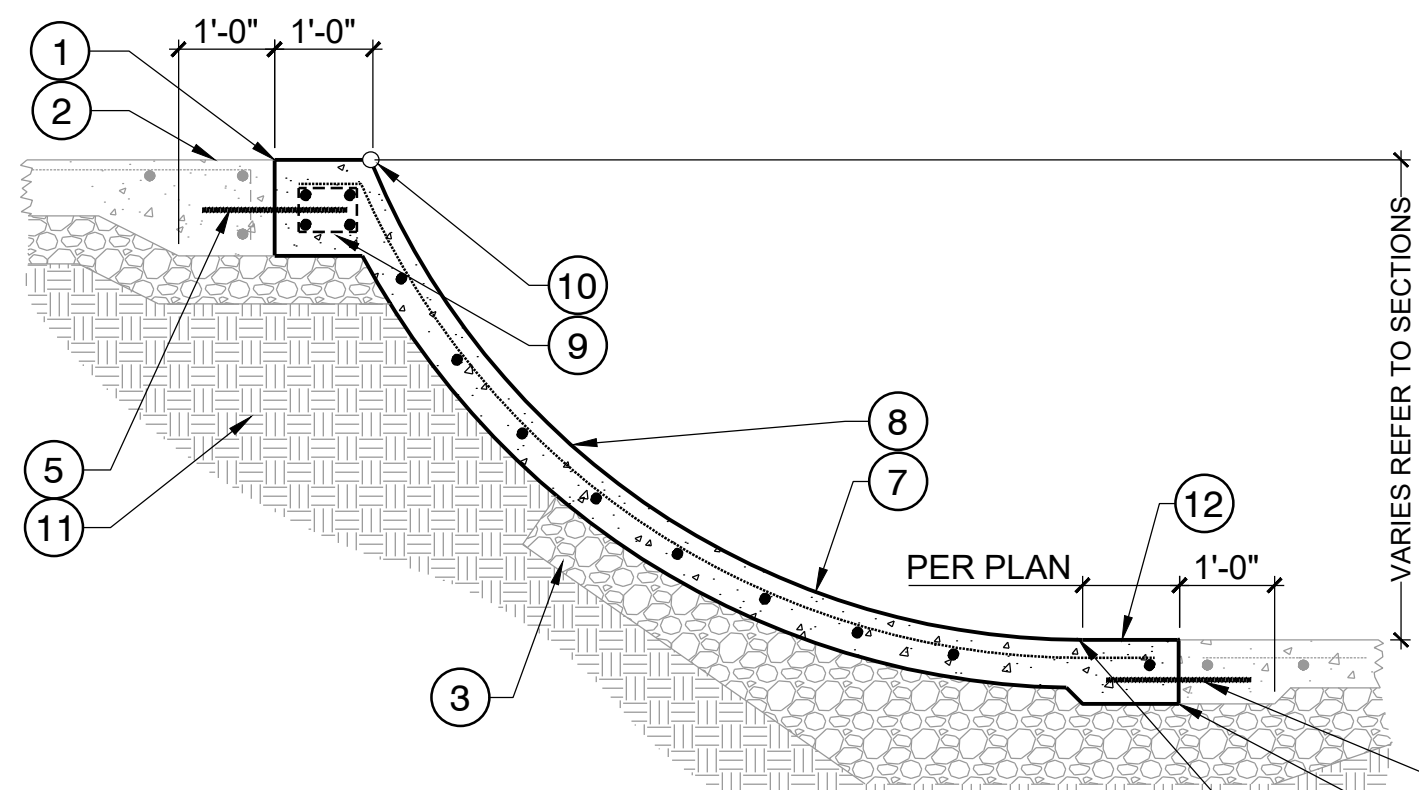
07 TYP. CONSTRUCTION JOINT  
NOT TO SCALE





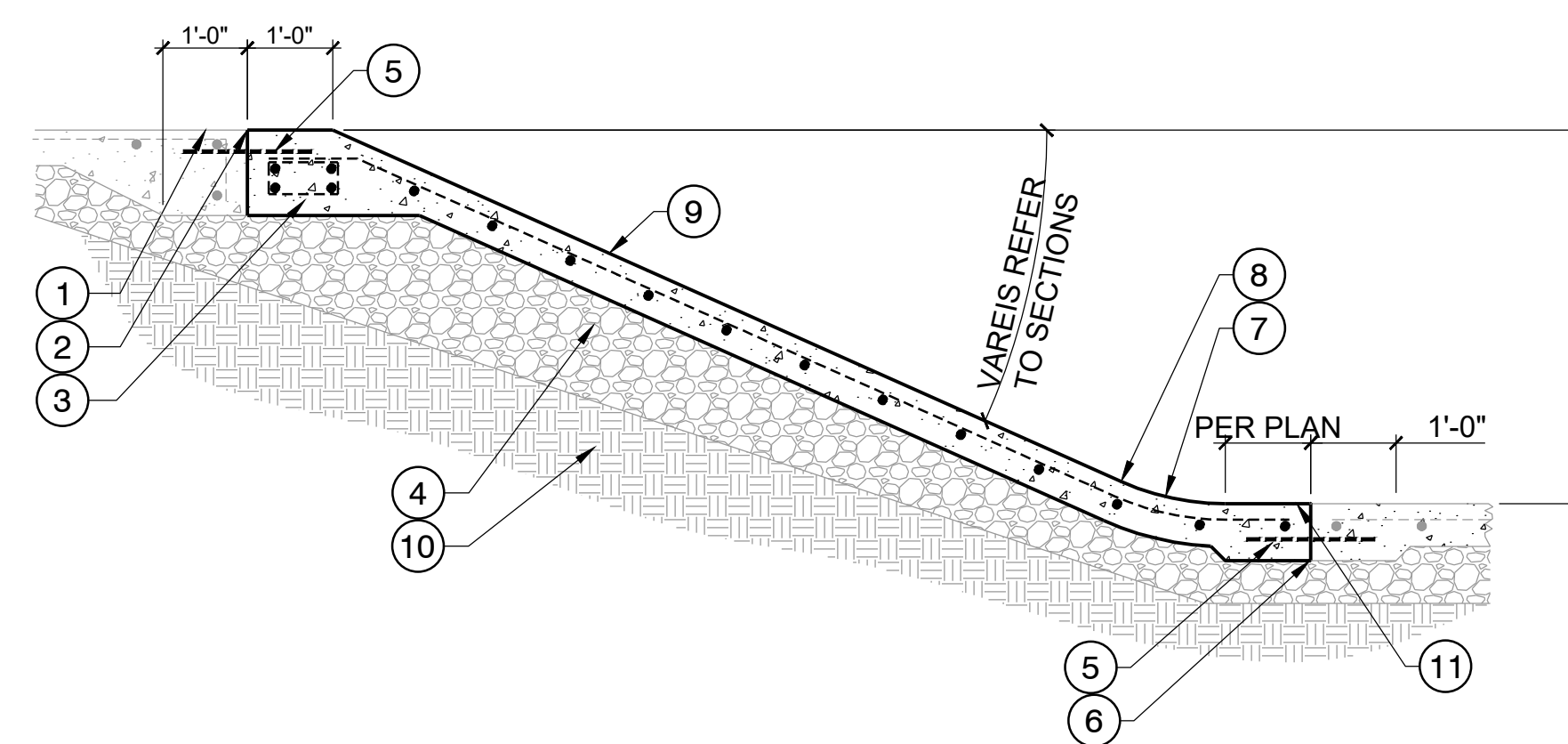
- 1 BOND BEAM, SEE 07/SP5.02
- 2 CONSTRUCTION JOINT AT BOND BEAM
- 3 REINFORCED TOP DECK
- 4 6" DENSE GRADED CRUSHED STONE
- 5 #4 X 18" SMOOTH DOWEL WITH PLASTIC SLEEVE ON ONE END @ 2'-0" O.C., TYP.
- 6 CONSTRUCTION JOINT AT REINFORCED DECK
- 7 RADIUS VARIES, REFER TO SECTIONS
- 8 POINT OF TANGENCY
- 9 6" CAST IN PLACE BANK WITH REBAR #3 @ 12" O.C. BOTH WAYS
- 10 COMPACTED SUBGRADE- REFER TO GEO-TECHNICAL REPORT FOR RECOMMENDATIONS. NOTE: POTENTIAL VERTICAL RISE (PVR) SHALL NOT EXCEED 1-1/2"
- 11 SLOPE/GRADE BETWEEN POINT OF TANGENCY AND CONSTRUCTION JOINT TO BE CONSISTENT WITH SLOPE/GRADE OF TOP DECK / FLATBOTTOM

**01 TYP. CAST-IN-PLACE BANK**  
1/2" = 1'-0"



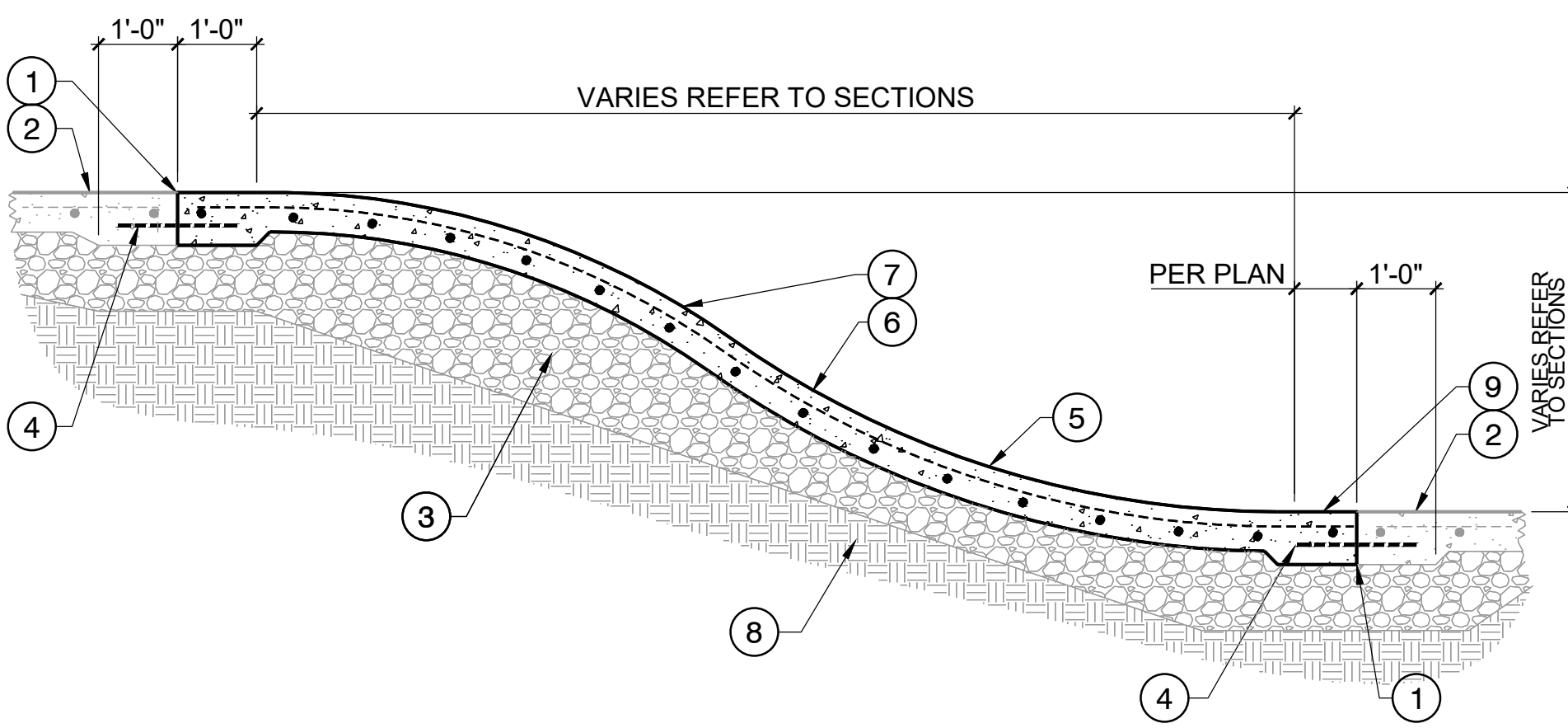
- 1 CONSTRUCTION JOINT AT BOND BEAM
- 2 REINFORCED TOP DECK
- 3 6" DENSE GRADED CRUSHED STONE
- 4 POINT OF TANGENCY
- 5 #4 X 18" SMOOTH DOWEL WITH PLASTIC SLEEVE ON ONE END @ 2'-0" O.C., TYP.
- 6 CONSTRUCTION JOINT AT REINFORCED DECK
- 7 RADIUS VARIES, REFER TO SECTIONS
- 8 6" SHOTCRETE TRANSITION WITH REBAR #3 @ 12" O.C. BOTH WAYS, TYP.
- 9 BOND BEAM, SEE 07/SP5.02
- 10 COPING - REFER TO MATERIAL PLAN FOR TYPE & LOCATION
- 11 COMPACTED SUBGRADE- REFER TO GEO-TECHNICAL REPORT FOR RECOMMENDATIONS. NOTE: POTENTIAL VERTICAL RISE (PVR) SHALL NOT EXCEED 1-1/2"
- 12 SLOPE/GRADE BETWEEN POINT OF TANGENCY AND CONSTRUCTION JOINT TO BE CONSISTENT WITH SLOPE/GRADE OF TOP DECK / FLATBOTTOM

**02 TYP. SHOTCRETE TRANSITION**  
1/2" = 1'-0"



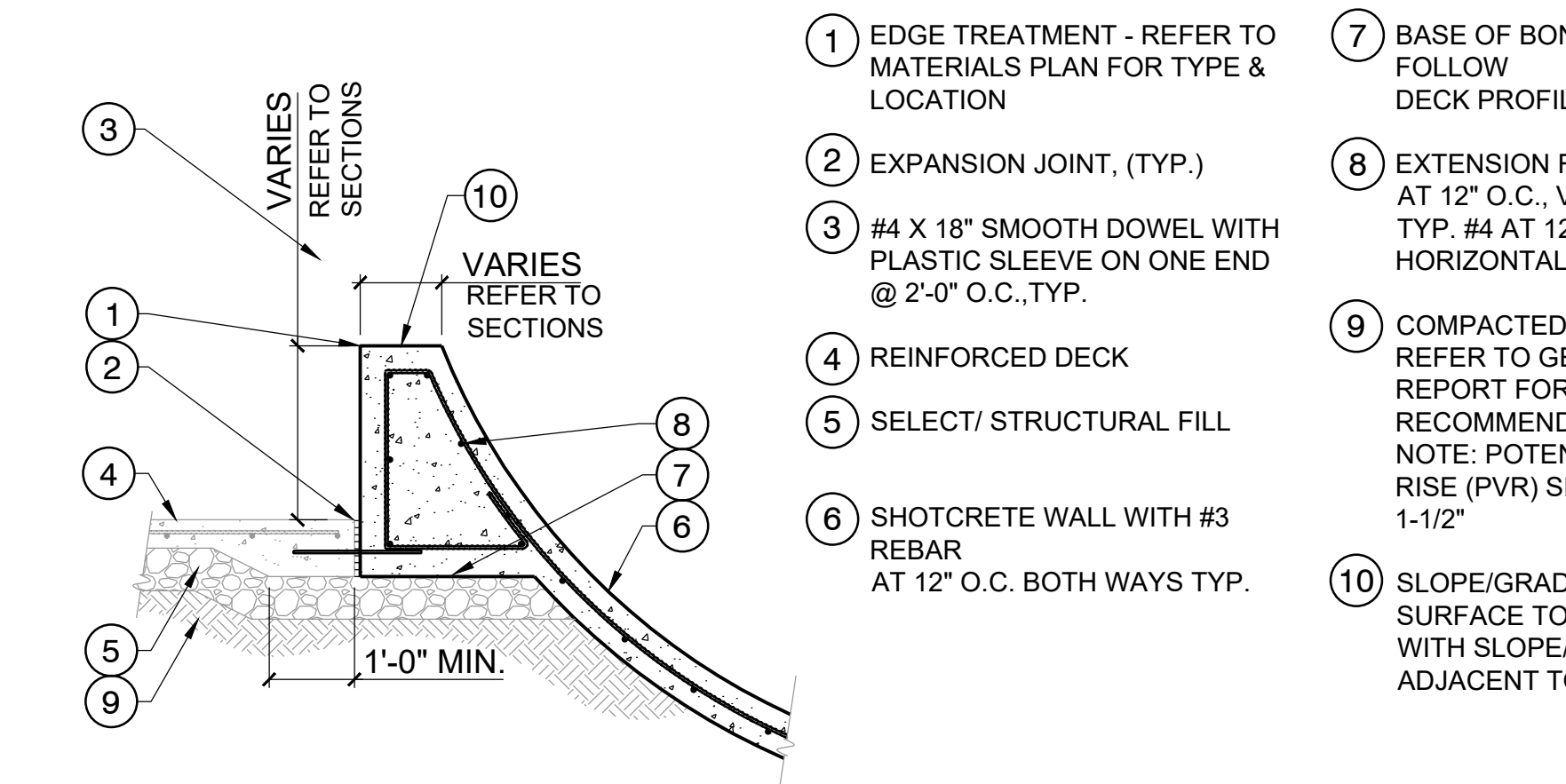
- 1 BOND BEAM, SEE 07/SP5.02
- 2 CONSTRUCTION JOINT AT BOND BEAM
- 3 REINFORCED TOP DECK
- 4 SELECT / STRUCTURAL FILL
- 5 #4 X 18" SMOOTH DOWEL WITH PLASTIC SLEEVE ON ONE END @ 2'-0" O.C., TYP.
- 6 CONSTRUCTION JOINT AT REINFORCED DECK
- 7 RADIUS VARIES, REFER TO SECTIONS
- 8 POINT OF TANGENCY
- 9 6" SHOTCRETE BANK WITH REBAR #3 @ 12" O.C. BOTH WAYS
- 10 COMPACTED SUBGRADE- REFER TO GEO-TECHNICAL REPORT FOR RECOMMENDATIONS. NOTE: POTENTIAL VERTICAL RISE (PVR) SHALL NOT EXCEED 1-1/2"
- 11 SLOPE/GRADE BETWEEN POINT OF TANGENCY AND CONSTRUCTION JOINT TO BE CONSISTENT WITH SLOPE/GRADE OF TOP DECK / FLATBOTTOM

**03 TYP. SHOTCRETE BANK**  
1/2" = 1'-0"



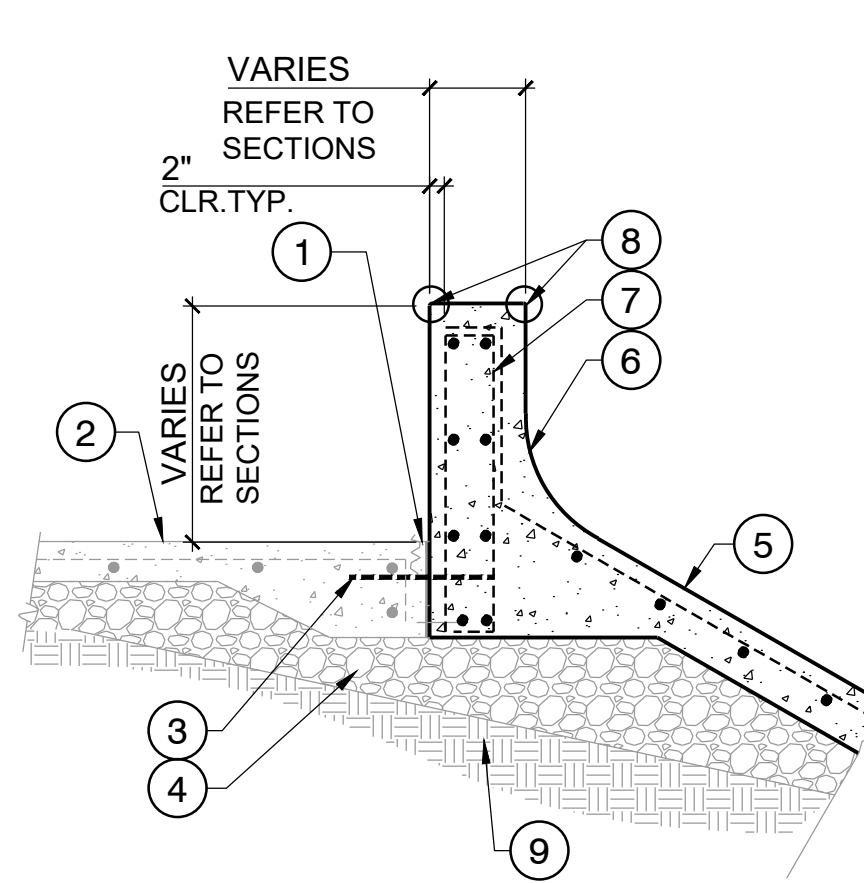
- 1 CONSTRUCTION JOINT AT FLATBOTTOM
- 2 REINFORCED FLATBOTTOM
- 3 6" DENSE GRADED CRUSHED STONE
- 4 #4 X 18" SMOOTH DOWEL WITH PLASTIC SLEEVE ON ONE END @ 2'-0" O.C., TYP.
- 5 RADIUS VARIES, REFER TO SECTIONS
- 6 6" SHOTCRETE TRANSITION WITH REBAR #3 @ 12" O.C. BOTH WAYS, TYP.
- 7 RADIUS VARIES, REFER TO SECTIONS
- 8 COMPACTED SUBGRADE- REFER TO GEO-TECHNICAL REPORT FOR RECOMMENDATIONS. NOTE: POTENTIAL VERTICAL RISE (PVR) SHALL NOT EXCEED 1-1/2"
- 9 SLOPE/GRADE BETWEEN POINT OF TANGENCY AND CONSTRUCTION JOINT TO BE CONSISTENT WITH SLOPE/GRADE OF TOP DECK / FLATBOTTOM

**04 TYP. SHOTCRETE WATERFALL**  
1/2" = 1'-0"



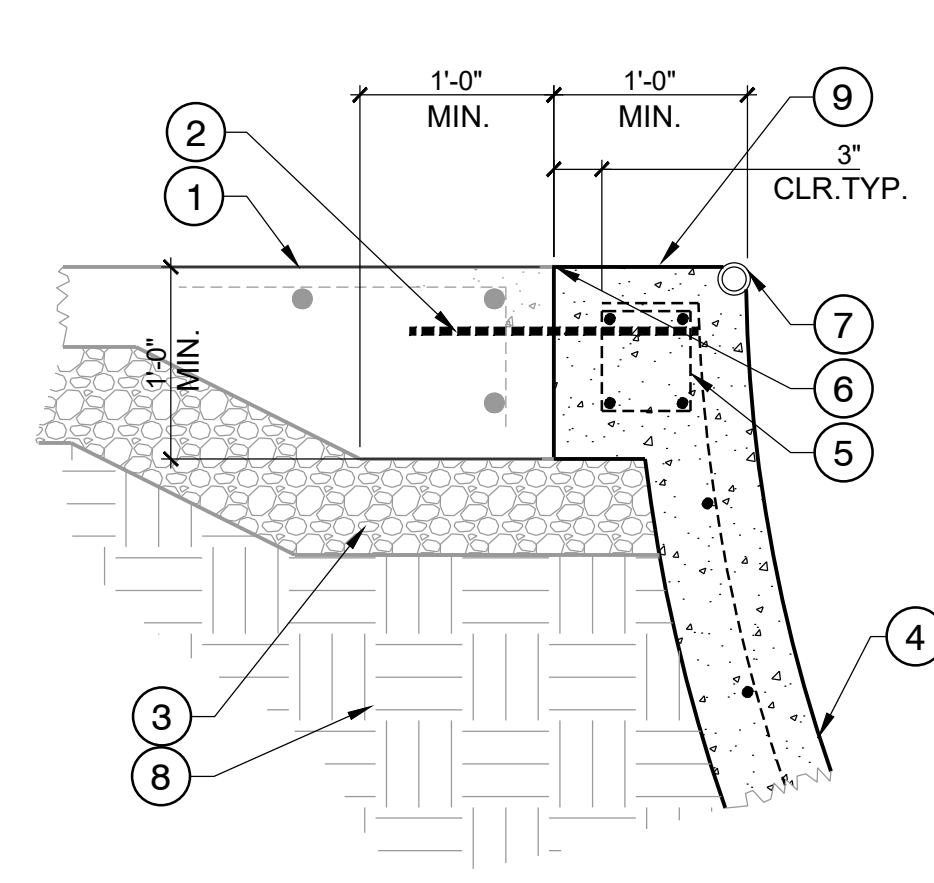
- 1 EDGE TREATMENT - REFER TO MATERIALS PLAN FOR TYPE & LOCATION
- 2 EXPANSION JOINT, (TYP.)
- 3 #4 X 18" SMOOTH DOWEL WITH PLASTIC SLEEVE ON ONE END @ 2'-0" O.C., TYP.
- 4 REINFORCED DECK
- 5 SELECT/ STRUCTURAL FILL
- 6 SHOTCRETE WALL WITH #3 REBAR AT 12" O.C. BOTH WAYS TYP.
- 7 BASE OF BOND BEAM TO FOLLOW DECK PROFILE
- 8 EXTENSION REINFORCING: #3 AT 12" O.C., VERTICAL (CONT), TYP. #4 AT 12" O.C., HORIZONTAL, TYP.
- 9 COMPACTED SUBGRADE- REFER TO GEO-TECHNICAL REPORT FOR RECOMMENDATIONS. NOTE: POTENTIAL VERTICAL RISE (PVR) SHALL NOT EXCEED 1-1/2"
- 10 SLOPE/GRADE OF BOND BEAM SURFACE TO BE CONSISTENT WITH SLOPE/GRADE OF ADJACENT TOP DECK

**05 TYP. TRANSITION TO WALL**  
1/2" = 1'-0"



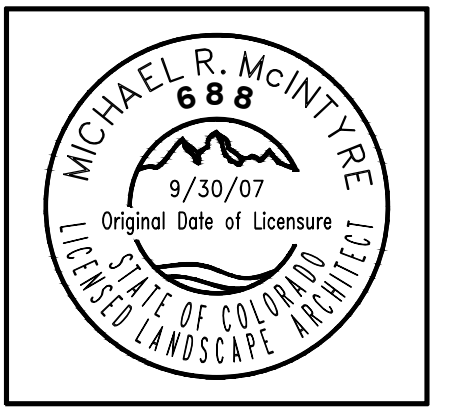
- 1 EXPANSION JOINT WITH POLYURETHANE ELASTOMERIC SEALANT, (TYP)
- 2 REINFORCED TOP DECK
- 3 #4 X 18" SMOOTH DOWEL WITH PLASTIC SLEEVE ON ONE END @ 2'-0" O.C., TYP.
- 4 SELECT/ STRUCTURAL FILL
- 5 6" SHOTCRETE WALL WITH REBAR #3 @ 12" O.C.
- 6 RADIUS VARIES REFER TO SECTIONS
- 7 EXTENSION REINFORCING: #3 @ 12" O.C. VERTICAL (CONT.) TYP. #4 @ 12" O.C. HORIZONTAL TYP.
- 8 EDGE TREATMENT - REFER TO MATERIALS PLAN FOR TYPE & LOCATION
- 9 COMPACTED SUBGRADE- REFER TO GEO-TECHNICAL REPORT FOR RECOMMENDATIONS. NOTE: POTENTIAL VERTICAL RISE (PVR) SHALL NOT EXCEED 1-1/2"

**06 TYP. BANK TO WALL**  
1/2" = 1'-0"



- 1 REINFORCED TOP DECK
- 2 #4 X 18" SMOOTH DOWEL WITH PLASTIC SLEEVE ON ONE END @ 2'-0" O.C., TYP.
- 3 SELECT/ STRUCTURAL FILL
- 4 6" SHOTCRETE TRANSITION WITH REBAR #3 @ 12" BOTH WAYS
- 5 6" DENSE GRADED CRUSHED STONE
- 6 6" SHOTCRETE TRANSITION WITH REBAR #3 @ 12" BOTH WAYS
- 7 BOND BEAM WITH (4) #3 CONT. REBAR & #3 TIES AT 18" O.C.
- 8 1/8" TOOLED JOINT BOTH SIDES
- 9 COPING - REFER TO MATERIALS PLAN FOR TYPE & LOCATION
- 10 COMPACTED SUBGRADE- REFER TO GEO-TECHNICAL REPORT FOR RECOMMENDATIONS. NOTE THAT THE POTENTIAL VERTICAL RISE (PVR) SHOULD NOT EXCEED 1-1/2"
- 11 SLOPE/GRADE OF BOND BEAM SURFACE TO BE CONSISTENT WITH SLOPE/GRADE OF ADJACENT TOP DECK

**07 TYP. BOND BEAM**  
1" = 1'-0"



PROJECT: REED PARK ALL WHEEL PARK  
City of Fruita, CO

SHEET TITLE: SKATE PARK DETAILS

ISSUE DATE: 08/03/2023

DRAWN BY: ASD

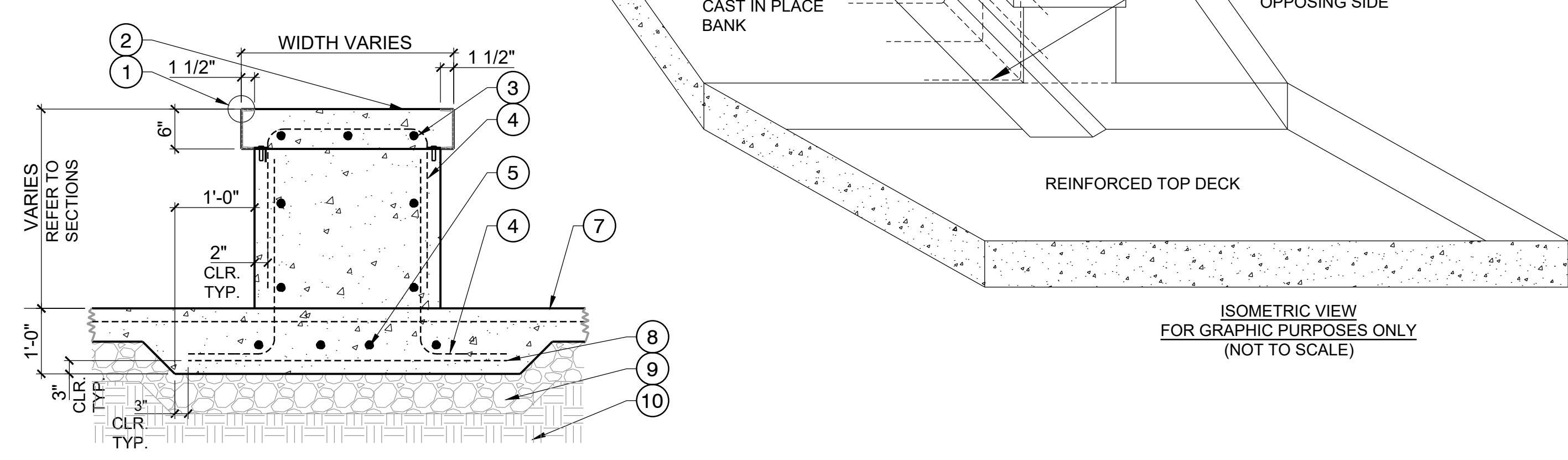
CHECKED BY: ASD

REVISIONS:

SHEET NUMBER: SP5.02

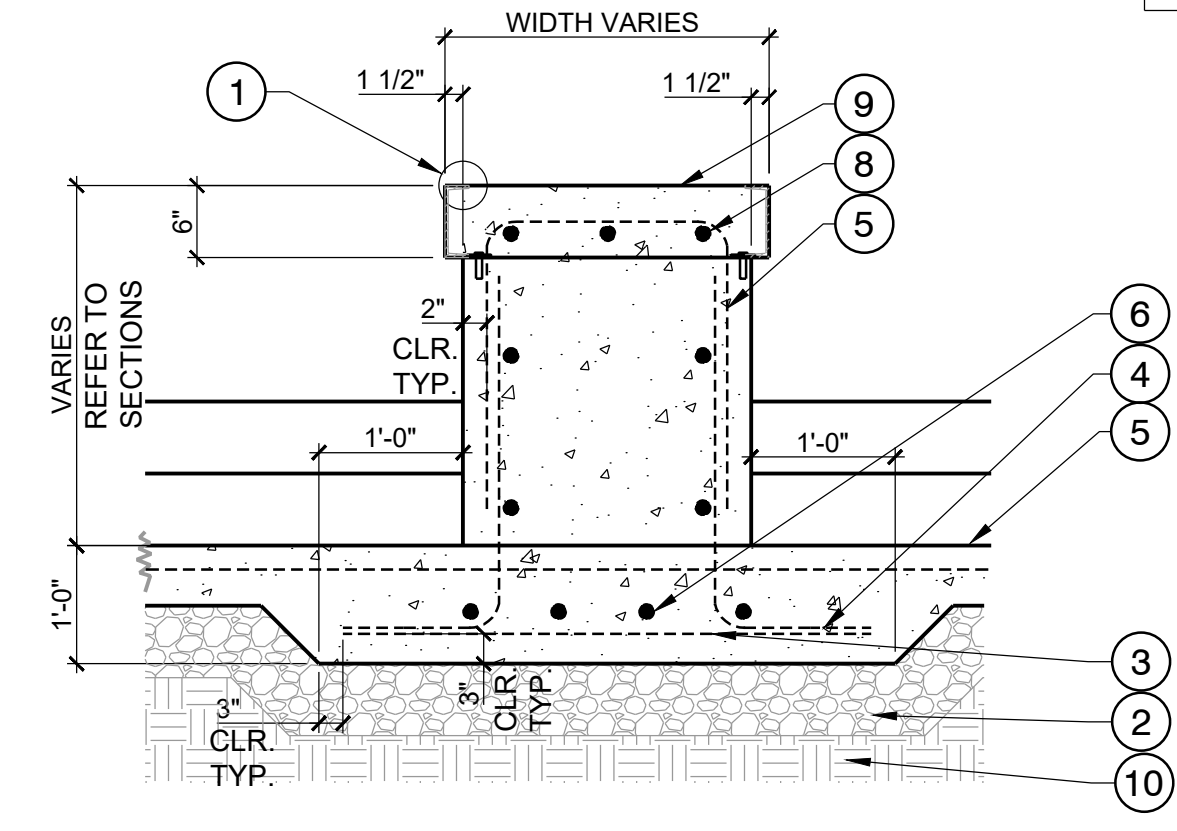


- ① C-CHANNEL EDGING WITH TABS AND EXPANSION ANCHORS, 04/SP5.04
- ② STEEL TROWEL FINISH
- ③ #4 BARS @ 12" O.C. (TYP.) MIN. 3 BARS PER SIDE CONTINUOUS WITH 24" LAP SPLICE
- ④ #4 HOOK DOWELS SPACED PER @ 12" O.C. EXTEND 18" MIN. PAST 90° BEND INTO SLAB / LEDGE WALL
- ⑤ #4 BARS @ 12" O.C. HORIZONTAL CONTINUOUS WITH 24" LAP SPLICE
- ⑥ #4 @ 12" O.C. (TYP.) SUPPORT BARS
- ⑦ REINFORCED TOP DECK, REFER TO MATERIALS PLAN FOR TYPE & LOCATION.
- ⑧ 6" DENSE GRADED CRUSHED STONE
- ⑨ COMPACTED SUBGRADE- REFER TO GEO-TECHNICAL REPORT FOR RECOMMENDATIONS. NOTE: POTENTIAL VERTICAL RISE (PVR) SHALL NOT EXCEED 1-1/2"

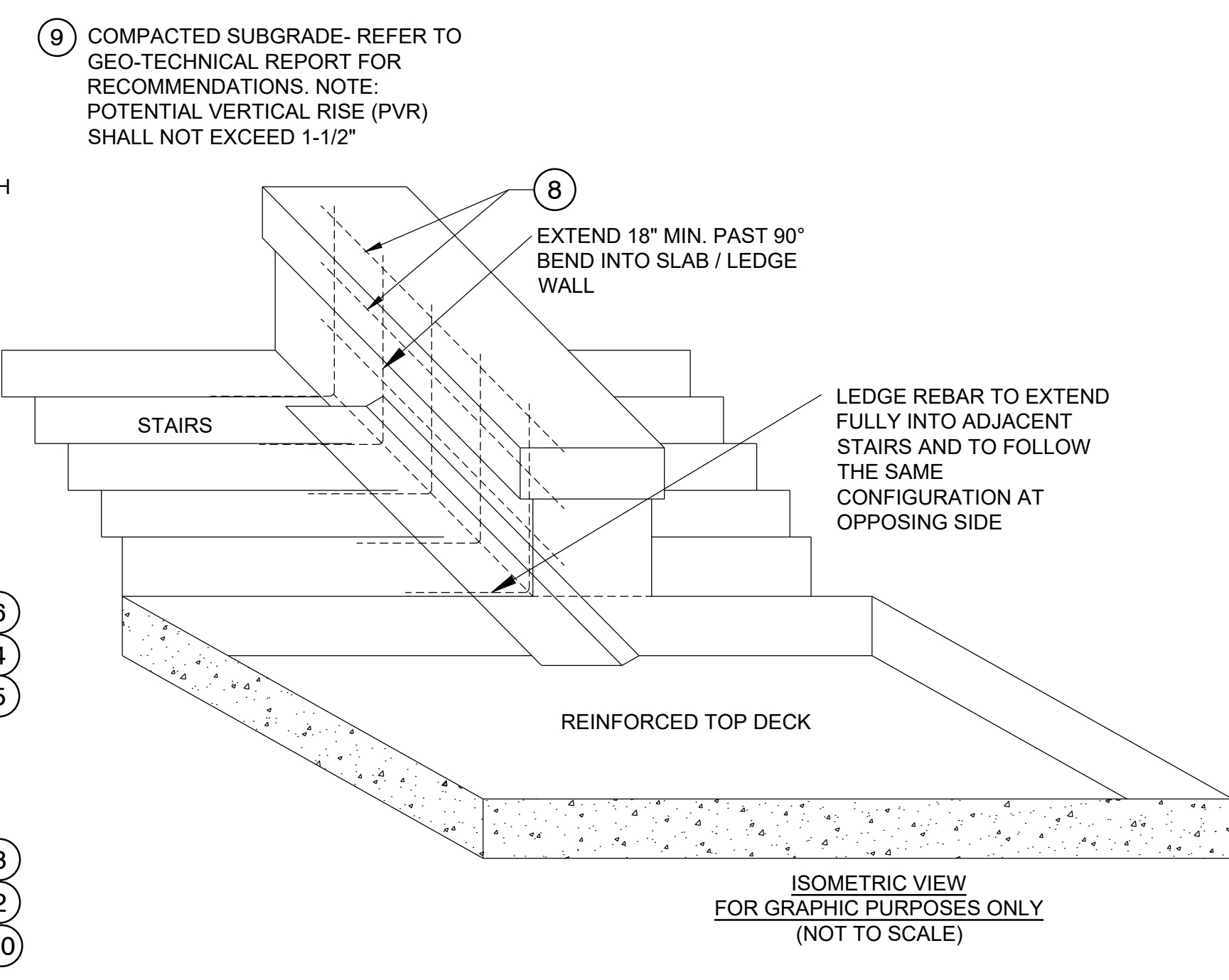


**01** LEDGE WITH 6" CAP ON THICKENED DECK/BANK  
3/4" = 1'-0"

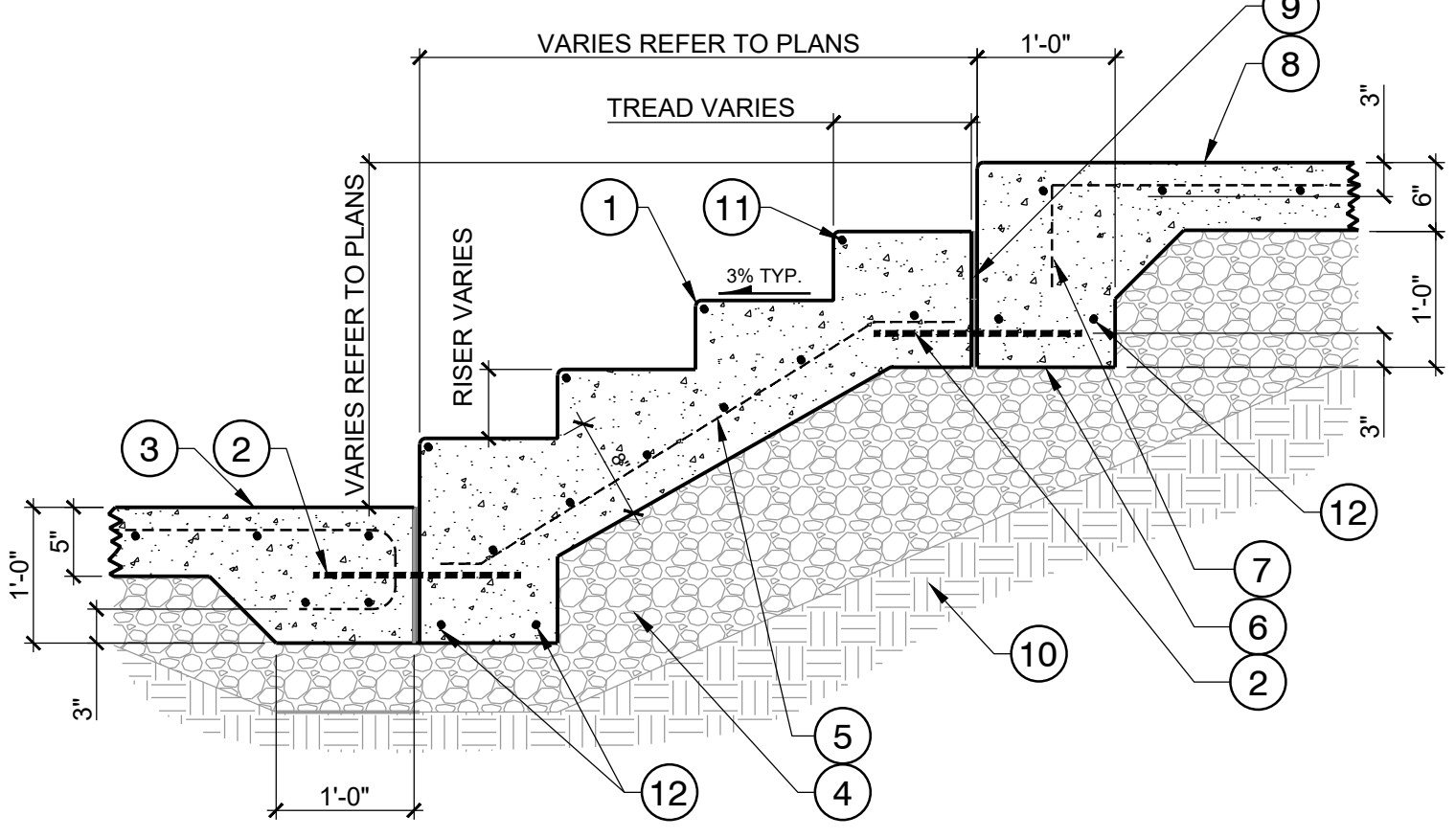
- ① C-CHANNEL EDGING WITH TABS AND EXPANSION ANCHORS, 04/SP5.04
- ② 6" DENSE GRADED CRUSHED STONE
- ③ #4 @ 12" O.C. (TYP.) SUPPORT BARS
- ④ #4 HOOK DOWELS SPACED @ 12" O.C. EXTEND 18" MIN. PAST 90° BEND INTO SLAB / LEDGE WALL
- ⑤ REINFORCED TOP DECK
- ⑥ #4 BARS @ 12" CONTINUOUS WITH 24" LAP SPLICE
- ⑦ #4 BARS @ 12" O.C. (TYP.) MIN. 3 BARS PER SIDE CONTINUOUS WITH 24" LAP SPLICE
- ⑧ STEEL TROWEL FINISH
- ⑨ COMPACTED SUBGRADE- REFER TO GEO-TECHNICAL REPORT FOR RECOMMENDATIONS. NOTE: POTENTIAL VERTICAL RISE (PVR) SHALL NOT EXCEED 1-1/2"



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

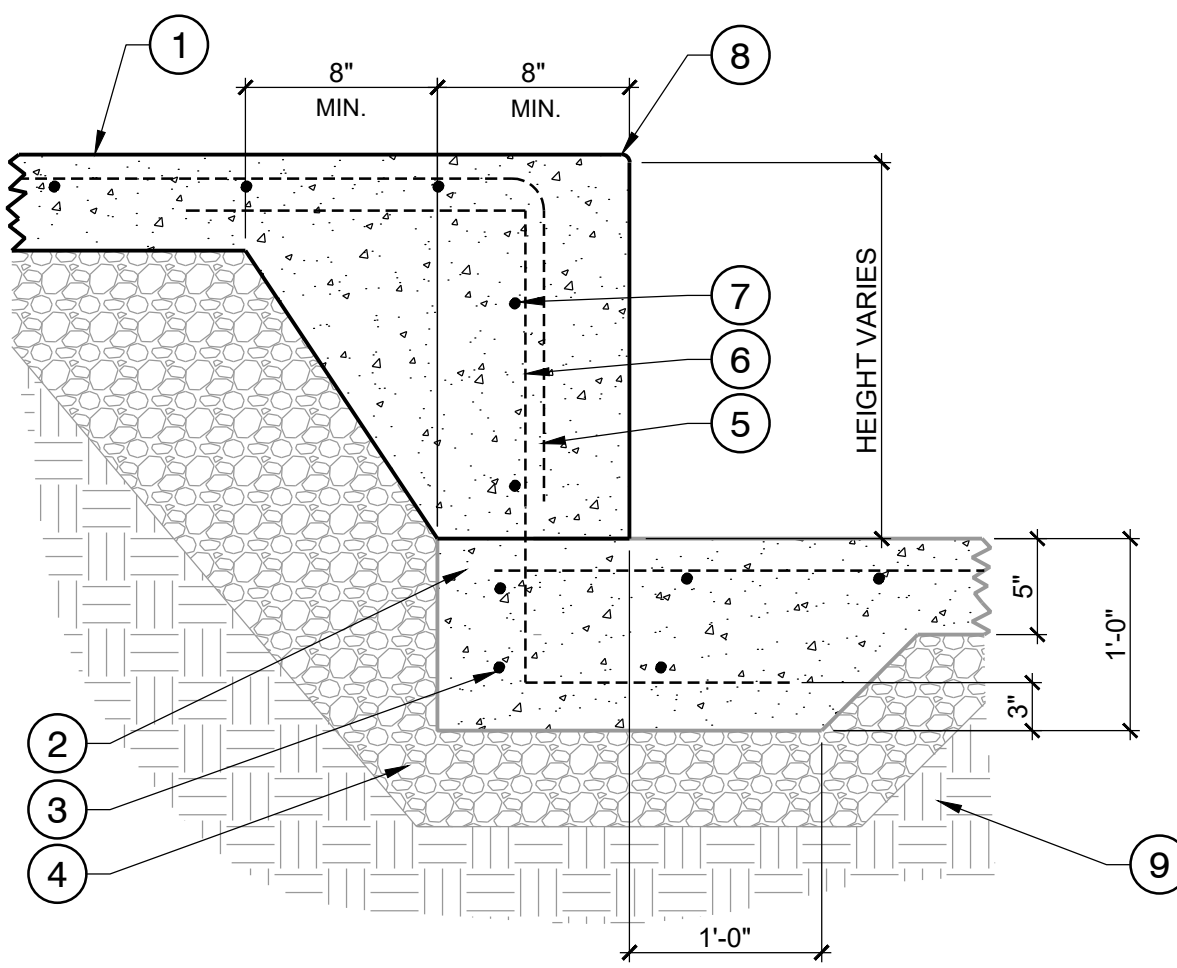


NOTE:  
1. REFER TO PLAN FOR STEP LOCATION.  
2. CONTRACTOR TO ADJUST TOP AND BOTTOM TREAD, AND NUMBER OF RISERS AS PER PLAN.  
3. ONLY TREADS TO RECEIVE A LIGHT BROOM FINISH.



- ① TREAD, WITH 1/2" TOOLED RADIUS NOSE AND REBAR CONT.
- ② #4 X 18" SMOOTH DOWEL WITH PLASTIC SLEEVE ON ONE END @ 2'-0" O.C. TYP.
- ③ REINFORCED TOP DECK (FIRST POUR)
- ④ 6" DENSE GRADED CRUSHED STONE
- ⑤ REBAR #4 @ 12" O.C. BOTH WAYS
- ⑥ TURNDOWN WALL, SEE 04/SP5.03
- ⑦ REBAR #3 CONT.
- ⑧ REINFORCED TOP DECK
- ⑨ 1/2" EXPANSION JOINT, TYP.
- ⑩ COMPACTED SUBGRADE- REFER TO GEO-TECHNICAL REPORT FOR RECOMMENDATIONS. NOTE: POTENTIAL VERTICAL RISE (PVR) SHALL NOT EXCEED 1-1/2"
- ⑪ #4 REBAR AT NOSE OF STAIRS, TYP.
- ⑫ (2) #4 REBAR CONT.

**03** TYP. CONCRETE STAIRS  
3/4" = 1'-0"

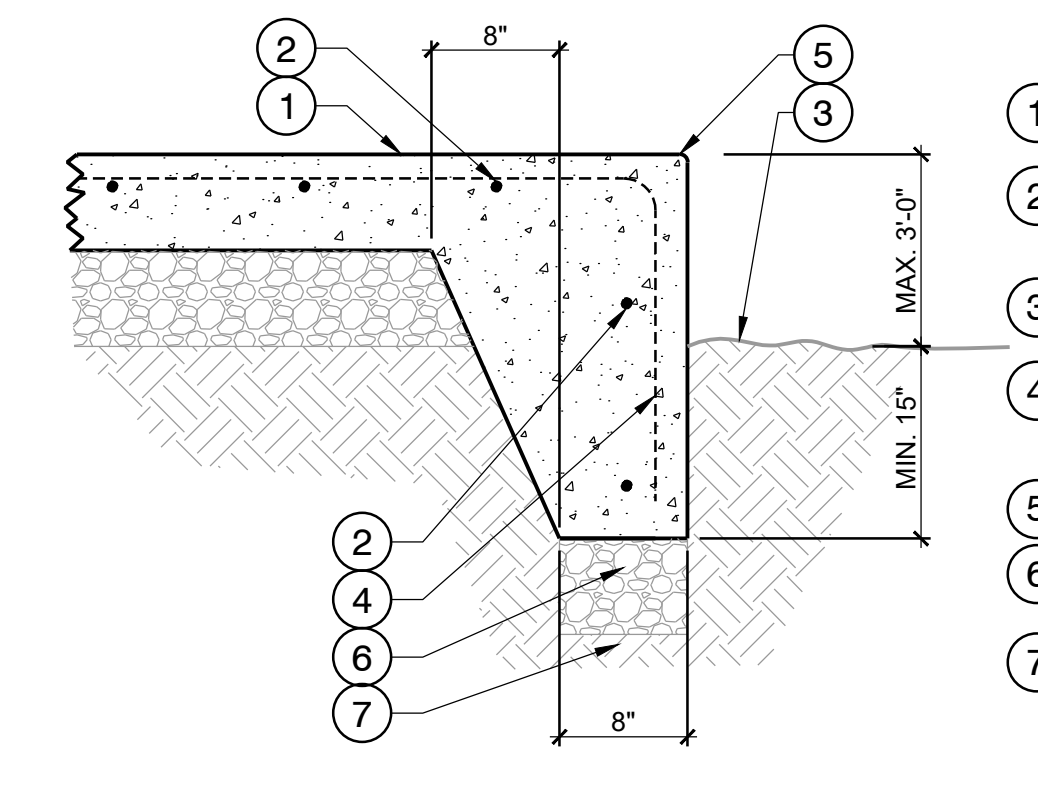


- ① REINFORCED TOP DECK (SECOND POUR)
- ② REINFORCED THICKENED TOP DECK (FIRST POUR)
- ③ 2-#4 CONT. AT BOTTOM
- ④ 6" DENSE GRADED CRUSHED STONE.
- ⑤ REBAR PER BAR CHART BELOW
- ⑥ REBAR #4 @ 12" O.C. BOTH WAYS
- ⑦ REBAR TOP & BOTTOM
- ⑧ 1/2" RAD. TOOLED EDGE
- ⑨ COMPACTED SUBGRADE- REFER TO GEO-TECHNICAL REPORT FOR RECOMMENDATIONS. NOTE THAT THE POTENTIAL VERTICAL RISE (PVR) SHOULD NOT EXCEED 1-1/2".

**BAR CHART**

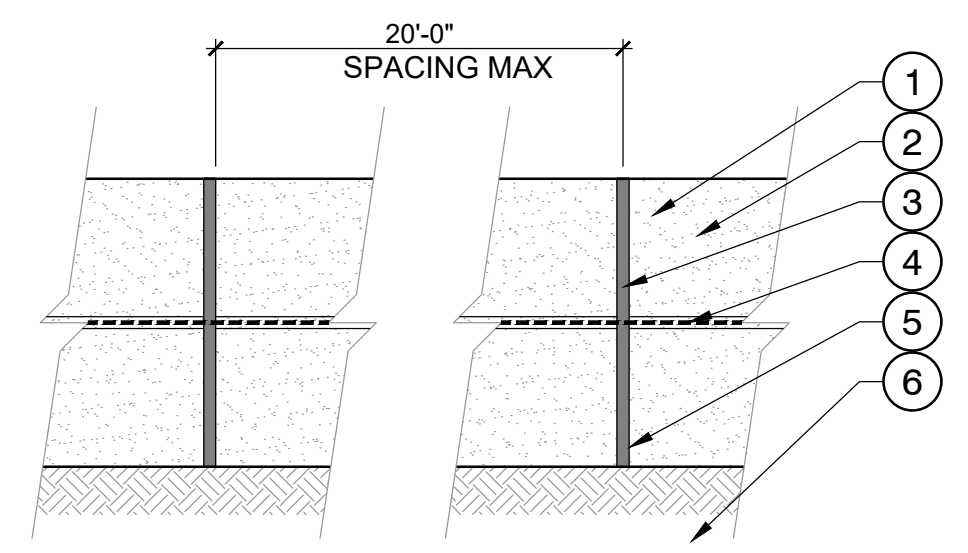
HEIGHT	BAR CONFIGURATION
UP TO 24"	#4 1'-6" @ 12" O.C.
	1'-6" @ 12" O.C.
24" TO 4'-6"	#4 1'-3" @ 12" O.C.
	1'-3" @ 12" O.C.

**04** TURNDOWN WALL ADJ. TO DECK  
1" = 1'-0"



- ① REINFORCED TOP DECK
- ② (2)#4 CONT. TOP & BOTTOM CONTINUOUS WITH 24" LAP SPLICE
- ③ FINISH GRADE OR TOP OF ASPHALT PAVEMENT
- ④ 1'-3" VARIES #4 REBAR 12" O.C. TYP.
- ⑤ 1/2" RAD. TOOLED EDGE
- ⑥ 6" DENSE GRADED CRUSHED STONE.
- ⑦ COMPACTED SUBGRADE- REFER TO GEO-TECHNICAL REPORT FOR RECOMMENDATIONS. NOTE THAT THE POTENTIAL VERTICAL RISE (PVR) SHOULD NOT EXCEED 1-1/2".

**05** TURNDOWN WALL ADJ. TO GRADE  
1" = 1'-0"



- ① 1-PART (NON-SAG) POLYURETHANE CAULKING COLOR - TAN
- ② CONCRETE RETAINING WALL
- ③ 1/2" EXPANSION JOINT W/ SEALER, BOTH SIDES, TYP.
- ④ 1/2" X 18" SPEED DOWEL W/ SLEEVE @ 12" O.C., TYP.
- ⑤ JOINT TO TOP OF SPREAD FOOTING
- ⑥ SPREAD FOOTING IF APPLICABLE

**06** TURNDOWN WALL EXPANSION JOINT & WATERPROOFING  
1 1/2" = 1'-0"

**ASD**  
Action Sports Design, LLC  
12400 W Hwy 71, Suite 350-348  
Austin, TX 78738  
Phone: (512) 389-5827  
www.ActionSportsDesign.com

MICHAEL R. MCINTYRE  
688  
9/30/07  
Original Date of Licensure  
LICENSED LANDSCAPE ARCHITECT

PROJECT: REED PARK ALL WHEEL PARK  
City of Fruita, CO  
SHEET TITLE: SKATE PARK DETAILS

ISSUE DATE:  
08/03/2023

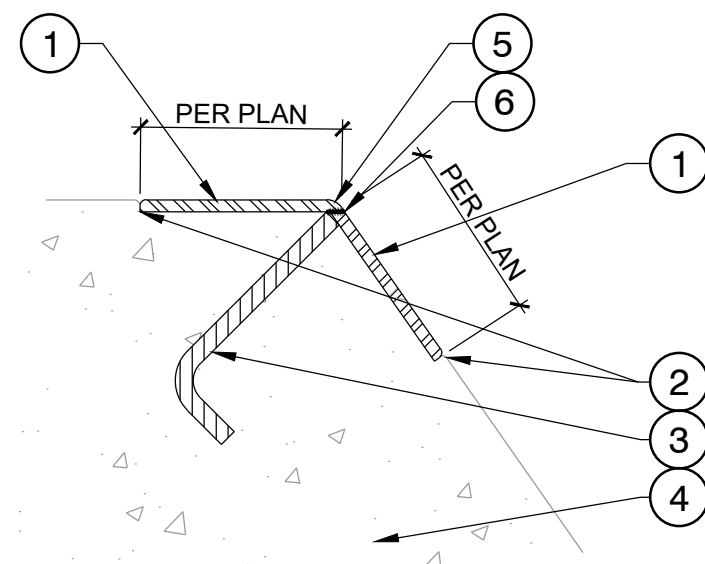
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REVISIONS:  
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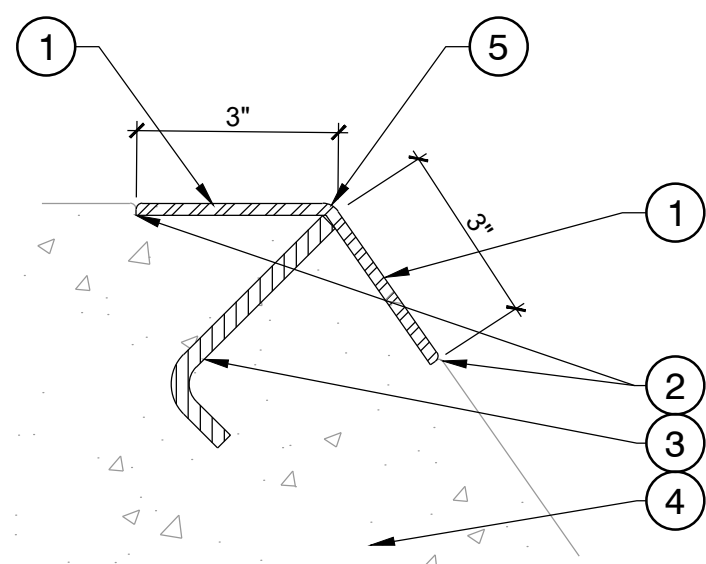
SHEET NUMBER:  
SP5.03





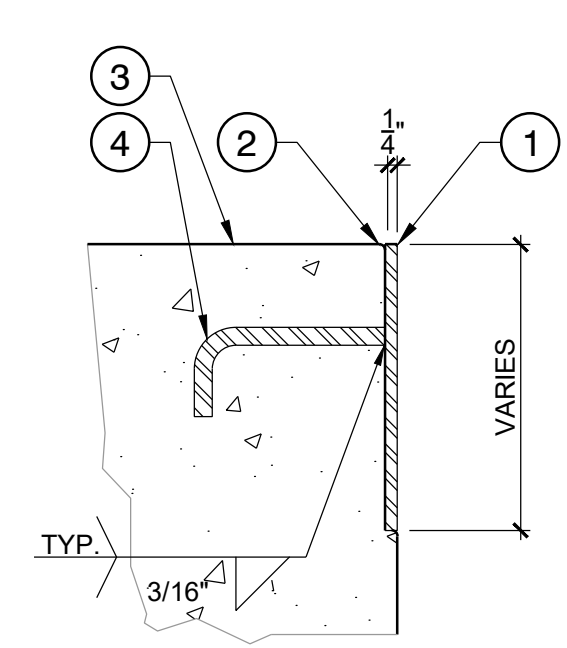
- 1 1/4" THK. FABRICATED PLATE, BANK ANGLE VARIES. REFER TO SECTIONS
- 2 1/8" TOOLED JOINT - CONTINUOUS ALONG TOP & BOTTOM OF COPING, FILL WITH POLYURETHANE ELASTOMERIC SEALANT, TYP.
- 3 4" X 3/8" MIN. HOOK ANCHOR OR NELSON STUD @ 12" O.C.
- 4 SHOTCRETE BANK/ TRANSITION/ LEDGE
- 5 1/8" ROUTED RADIUS
- 6 WELD PLATES AT SEAM DIRECTLY BENEATH TOP PLATE

**01** FABRICATED ANGLED PLATE  
3" = 1'-0"



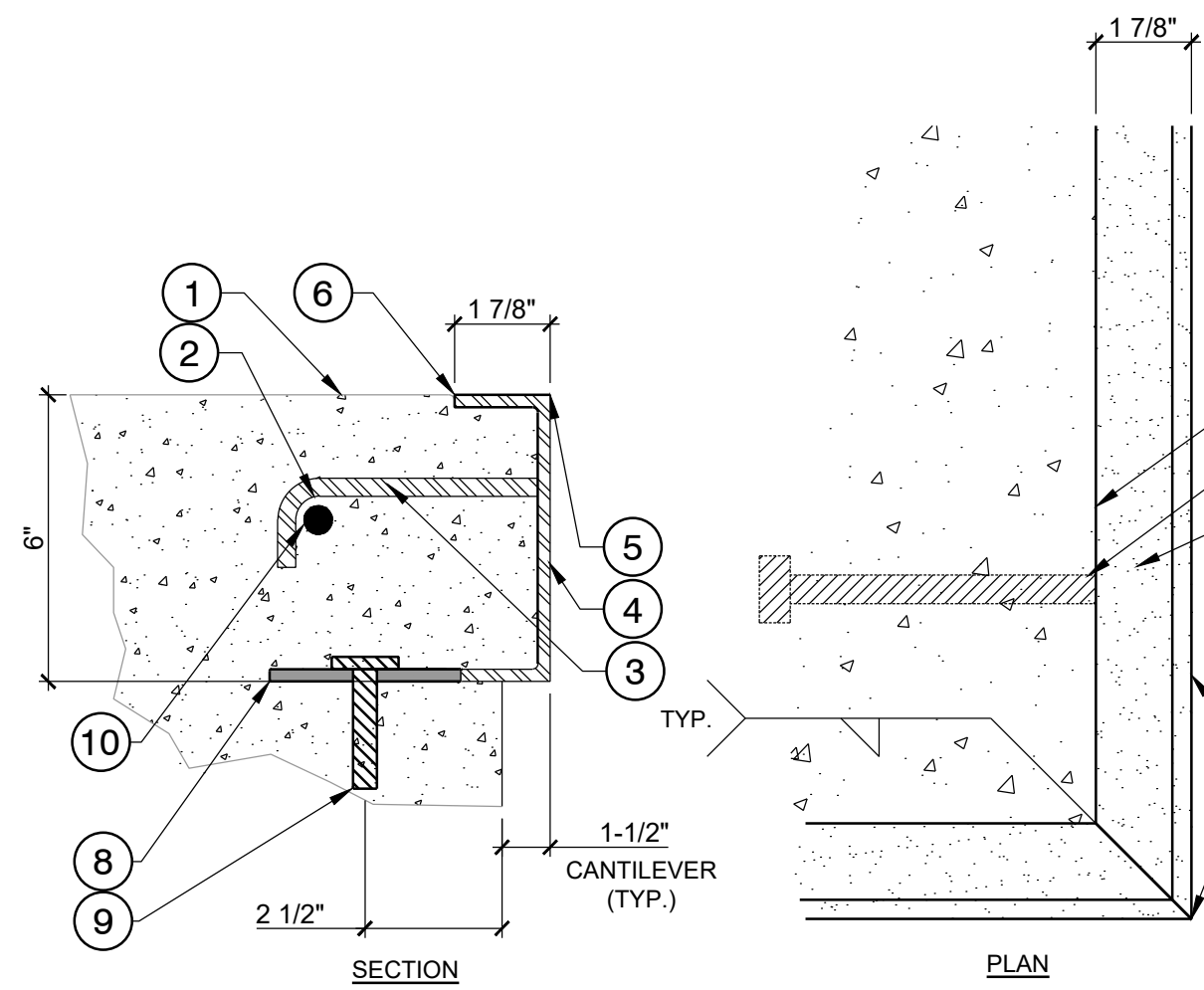
- 1 6" x 1/4" THK. BENT PLATE, BANK ANGLE VARIES. REFER TO SECTIONS
- 2 1/8" TOOLED JOINT - CONTINUOUS ALONG TOP & BOTTOM OF COPING, FILL WITH POLYURETHANE ELASTOMERIC SEALANT, TYP.
- 3 4" X 3/8" MIN. HOOK ANCHOR OR NELSON STUD @ 12" O.C.
- 4 SHOTCRETE BANK/ TRANSITION/ LEDGE
- 5 RADIUS VARIES - 1/8" MIN.

**02** BENT ANGLED PLATE  
3" = 1'-0"



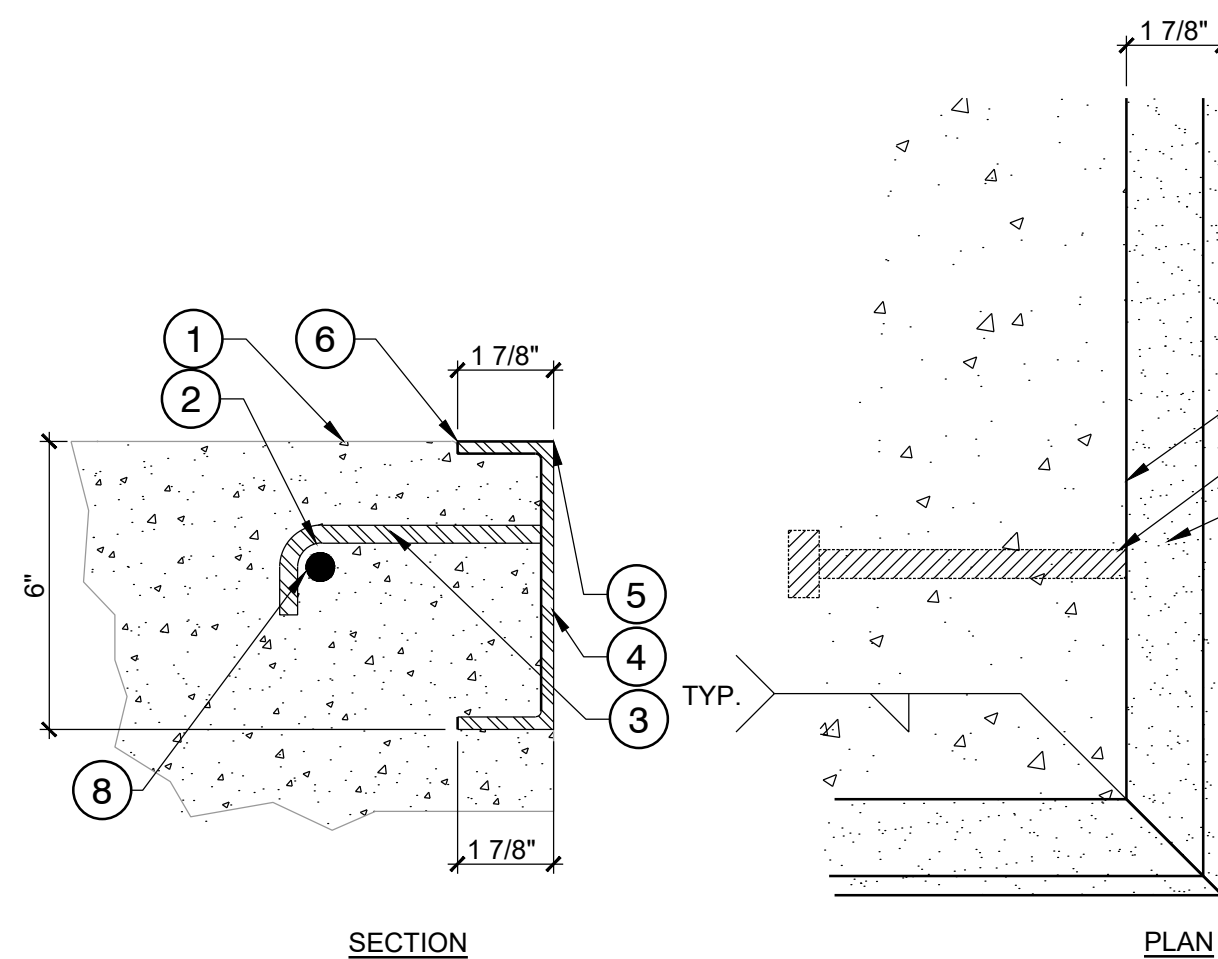
- 1 1/4" THK. CUSTOM CUT STEEL PLATE WELDED TO C-CHANNELS AT STAIR RISERS
  - 2 1/8" TOOLED JOINT, CONTINUOUS ALONG PLATE (TOP & BOTTOM) FILL WITH POLYURETHANE ELASTOMERIC SEALANT, TYP.
  - 3 CONCRETE STEP / BANK
  - 4 4" X 3/8" MIN. ANCHOR BOLT OR NELSON STUD STAGGERED @ 6" O.C. WELDED TO PLATE
- NOTES:
1. CUSTOM CUT STEEL PLATE TO FOLLOW PROFILE OF STAIRS / BANK
  2. STEEL PLATE TO BE MIN. 2" BELOW ADJACENT CONCRETE SURFACE.

**03** CUSTOM CUT FLAT STEEL PLATE  
3" = 1'-0"



- 1 CONCRETE LEDGE
  - 2 RADIUS 1/2"
  - 3 3" X 1/2" MIN. J HOOK OR NELSON STUD @ 16" O.C.
  - 4 C6 X 8.2 STEEL CHANNEL
  - 5 1/8" ROUTED RADIUS
  - 6 1/8" TOOLED JOINT, CONTINUOUS ALONG PLATE
  - 7 GRIND SMOOTH
  - 8 2" X 4" MOUNTING BRACKET / WELD TAB
  - 9 1/2" X 2-1/2" EXPANSION ANCHOR @ 2' O.C.
  - 10 #4 CONT.
- NOTE:  
TO ENSURE LEDGE CAP DOES NOT SAG, CRACK AND COLLAPSE, PROVIDE SUFFICIENT WOOD FORMS AND/OR BRACING TO HOLD LEDGE CAP IN PLACE.

**04** 6" C-CHANNEL EDGING - CANTILEVERED CONDITIONS  
3" = 1'-0"



- 1 CONCRETE LEDGE
  - 2 RADIUS 1/2"
  - 3 3" X 1/2" MIN. HOOK ANCHOR OR NELSON STUD @ 16" O.C.
  - 4 C6 X 8.2 STEEL CHANNEL
  - 5 1/8" ROUTED RADIUS
  - 6 1/8" TOOLED JOINT, CONTINUOUS ALONG PLATE
  - 7 GRIND SMOOTH
  - 8 #4 CONT.
- NOTE:  
1. MATERIAL AND CONSTRUCTION METHOD IS ALSO APPLICABLE TO LEDGES WITHOUT CANTILEVERED CAPS.

**05** 6" C-CHANNEL EDGING - STAIRS  
3" = 1'-0"

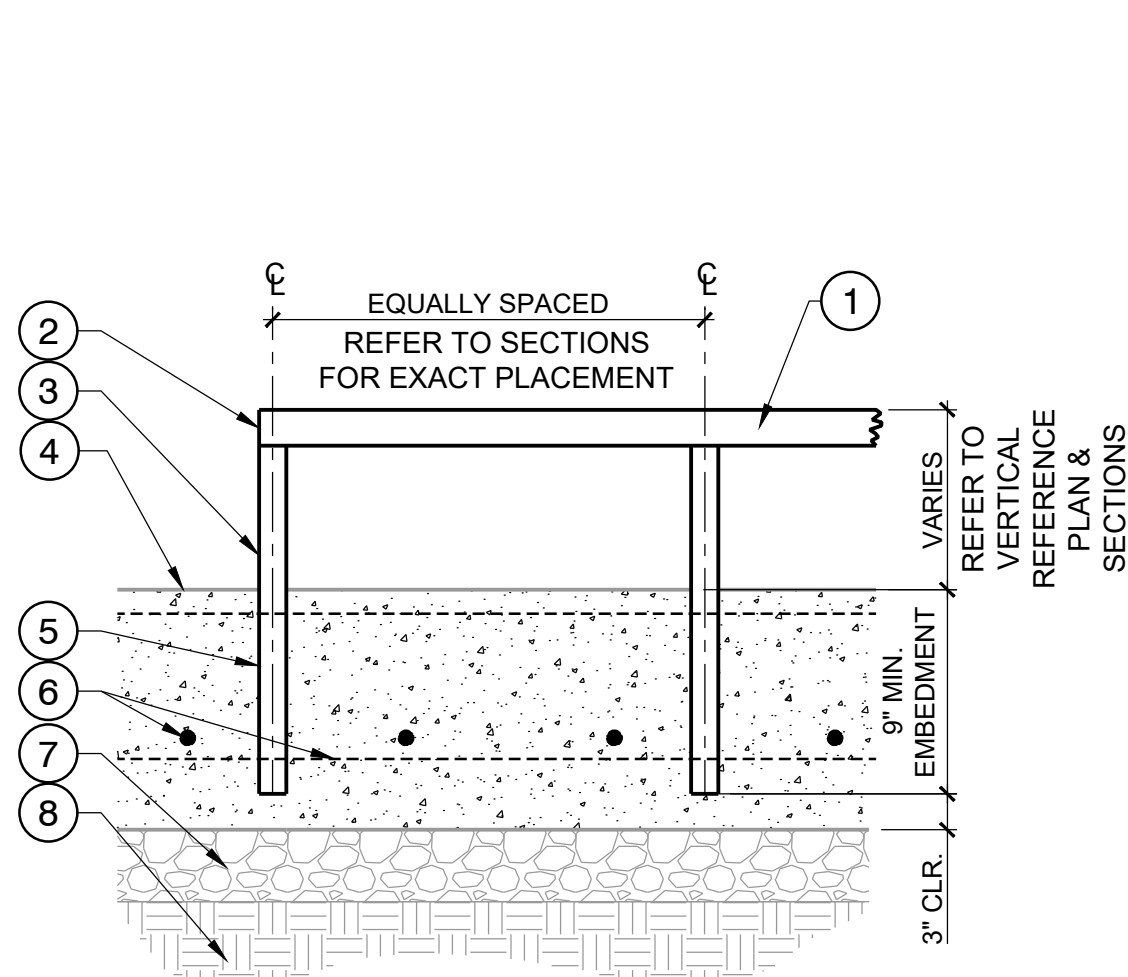
IMPERIAL					
ROUND		SQUARE		RECTANGULAR	
Nominal Size	Actual Size	Nominal Size	Actual Size	Nominal Size	Actual Size
2"	HSS 2.375 x 0.1875	2" X 2"	HSS 2.000 x 2.000 x 0.1875	2" X 3"	HSS 2.000 x 3.000 x 0.1875
2-1/2"	HSS 2.875 x 0.1875	3" X 3"	HSS 3.000 x 3.000 x 0.1875	2" X 6"	HSS 2.000 x 6.000 x 0.1875
3"	HSS 3.500 x 0.1875	3-1/2" X 3-1/2"	HSS 3.500 x 3.400 x 0.1875	2" X 8"	HSS 2.000 x 8.000 x 0.1875
3-1/2"	HSS 4.000 x 0.1875	4" X 4"	HSS 4.000 x 4.000 x 0.1875	2-1/2" X 4"	HSS 2.500 x 4.000 x 0.1875
4"	HSS 4.500 x 0.1875			3" X 5"	HSS 3.000 x 5.000 x 0.1875

METRIC					
ROUND		SQUARE		RECTANGULAR	
Nominal Size	Actual Size	Nominal Size	Actual Size	Nominal Size	Actual Size
2"	6.03cm x 4.76mm	2" X 2"	5.08cm x 5.08cm x 4.76mm	2" X 3"	5.08cm x 7.62cm x 4.76mm
2-1/2"	7.30cm x 4.76mm	3" X 3"	7.62cm x 7.62cm x 4.76mm	2" X 6"	5.08cm x 15.24cm x 4.76mm
3"	8.89cm x 4.76mm	3-1/2" X 3-1/2"	8.89cm x 8.89cm x 4.76mm	2" X 8"	5.08cm x 20.32cm x 4.76mm
3-1/2"	10.16cm x 4.76mm	4" X 4"	10.16cm x 10.16cm x 4.76mm	2-1/2" X 4"	6.35cm x 10.16cm x 4.76mm
4"	11.43cm x 4.76mm			3" X 5"	7.62cm x 12.70cm x 4.76mm

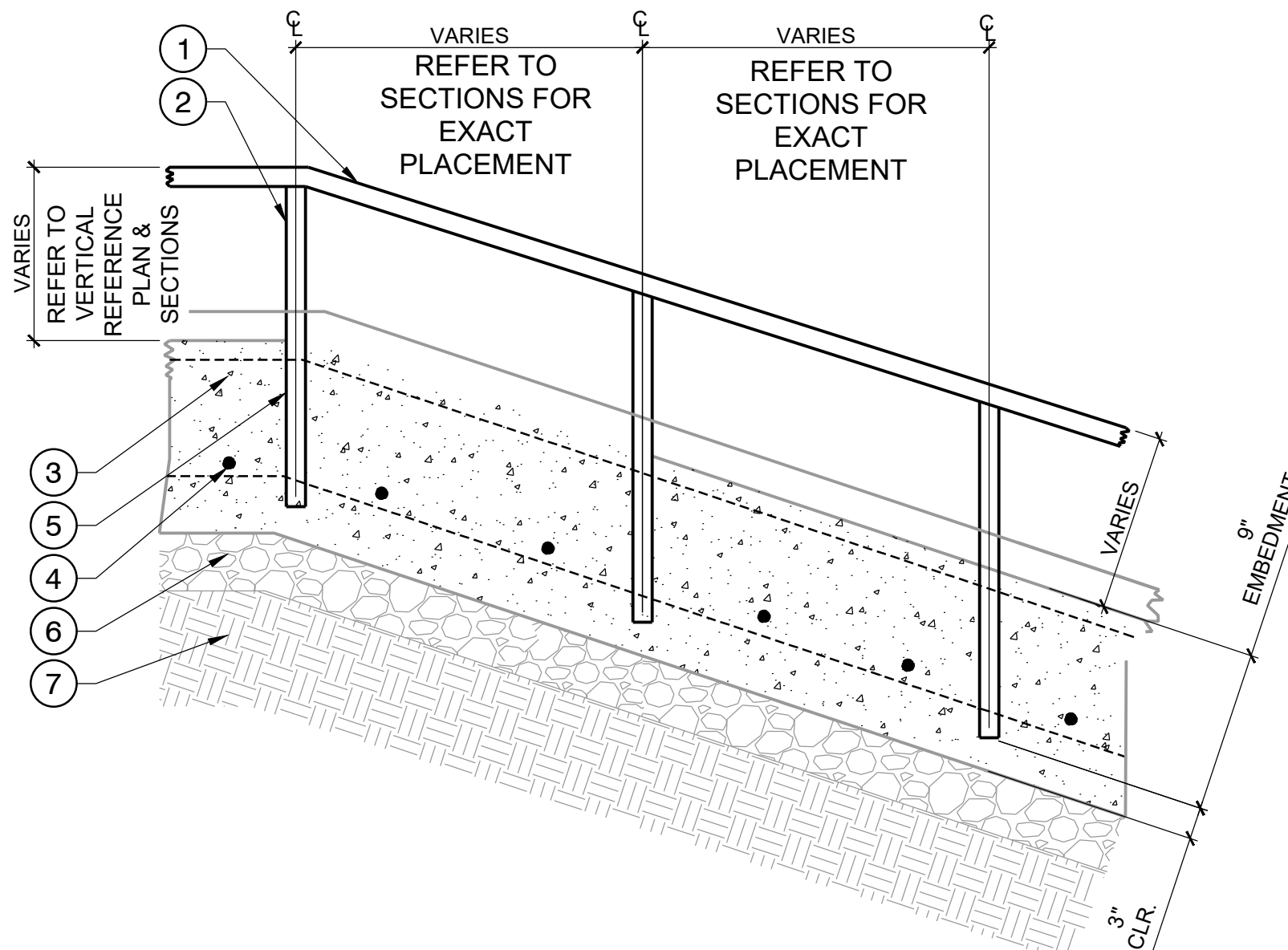
NOTE:  
1. ALL HOLLOW STRUCTURAL SECTIONS (HSS) TO BE ASTM A-500 GRADE

**06** STEEL SHAPES CHART  
N.T.S.



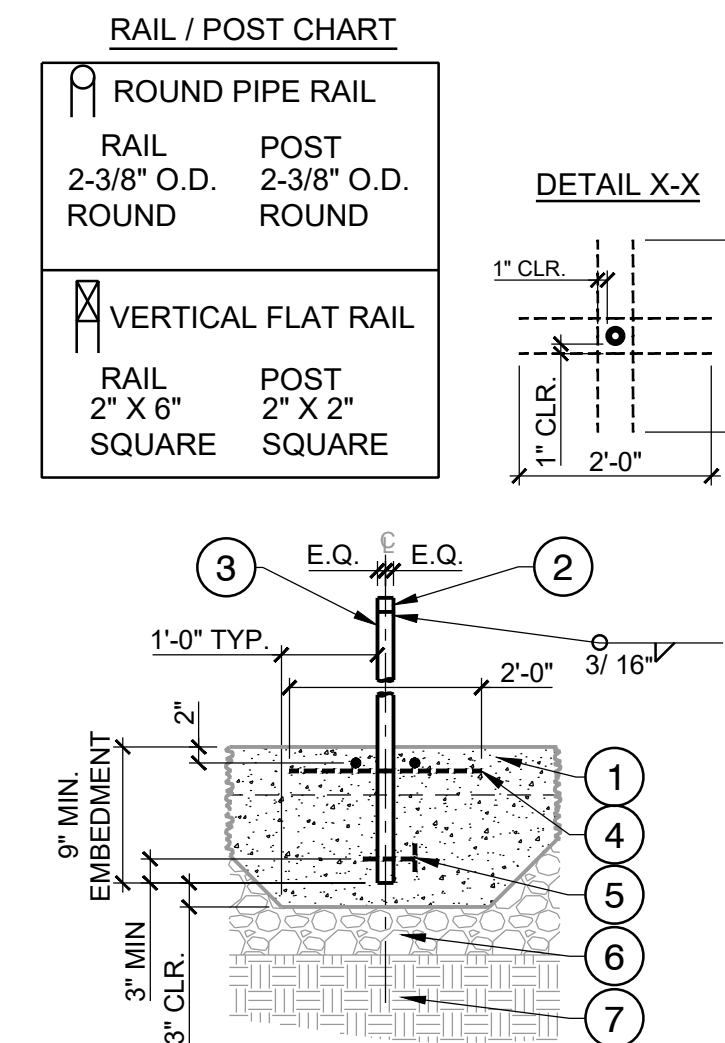
- 1 RAIL - REFER TO MATERIALS PLAN FOR TYPE & LOCATION
- 2 WELD END PLATE AT ENDS, GRIND SMOOTH
- 3 POST - REFER TO SKATE RAIL AND FOOTING DETAIL FOR TYPE
- 4 REINFORCED TOP DECK
- 5 REFER TO TYP. RAIL FOOTING DETAIL FOR REINFORCEMENT
- 6 #4 BARS AT 8" E.W. @ RAIL
- 7 6" DENSE GRADED CRUSHED STONE
- 8 COMPACTED SUBGRADE - REFER TO GEO-TECHNICAL REPORT FOR RECOMMENDATIONS. NOTE: POTENTIAL VERTICAL RISE (PVR) SHALL NOT EXCEED 1-1/2"

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



- 1 RAIL - REFER TO MATERIALS PLAN FOR TYPE & LOCATION
- 2 POST - REFER TO SKATE RAIL AND FOOTING DETAIL FOR TYPE
- 3 REINFORCED TOP DECK
- 4 #4 BARS AT 8" O.C.
- 5 REFER TO TYP. RAIL FOOTING DETAIL FOR REINFORCEMENT
- 6 6" DENSE GRADED CRUSHED STONE
- 7 COMPACTED SUBGRADE - REFER TO GEO-TECHNICAL REPORT FOR RECOMMENDATIONS. NOTE: POTENTIAL VERTICAL RISE (PVR) SHALL NOT EXCEED 1-1/2"

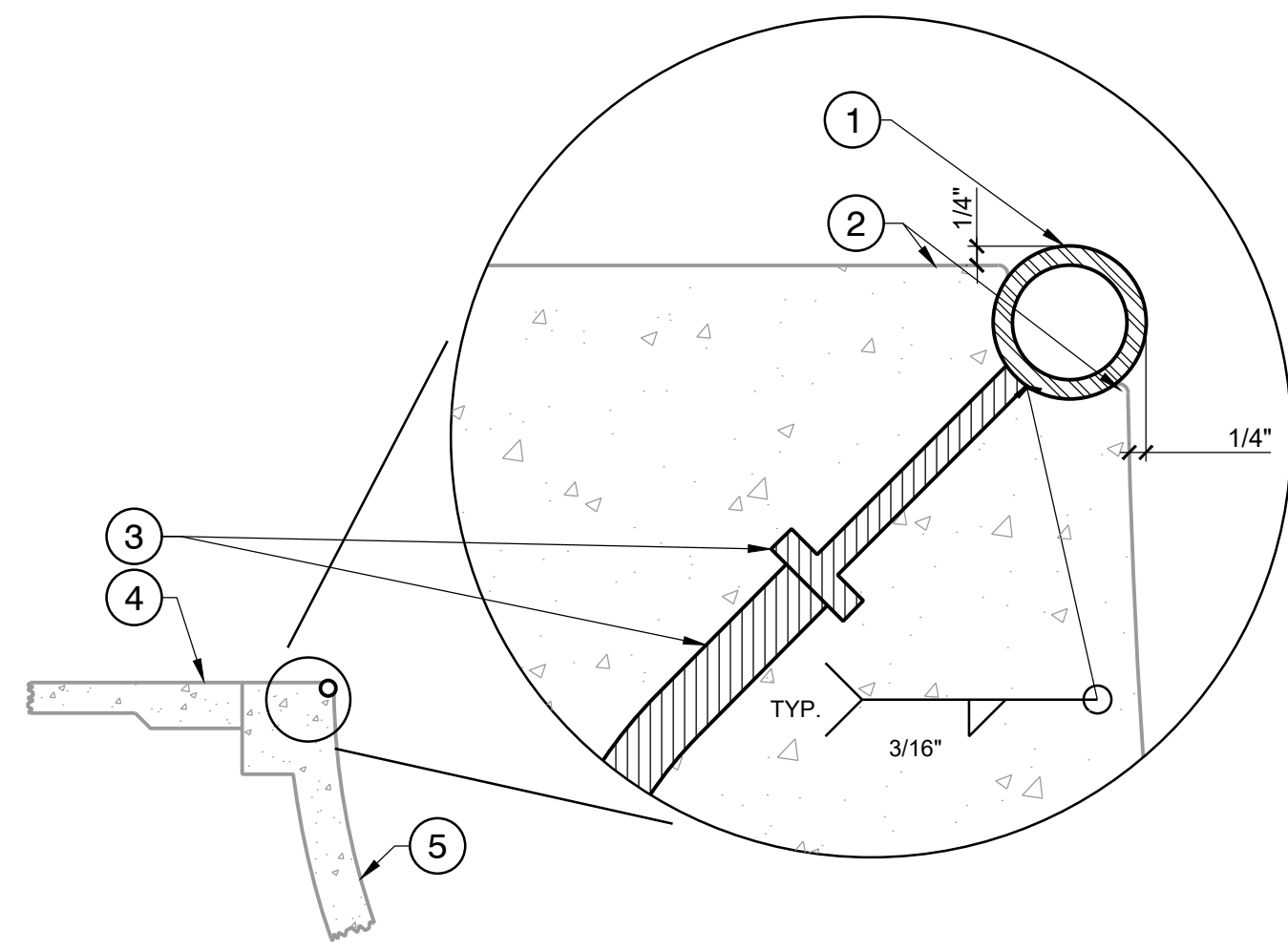
**08** SLOPED STEEL RAIL  
3/4" = 1'-0"



- 1 REINFORCED TOP DECK WITH CONTINUOUS DECK REINFORCING
  - 2 CONTINUOUS TOP RAIL, VARIES REFER TO SKATE PARK MATERIALS PLAN FOR TYPE & LOCATION, WELD END PLATE, GRIND SMOOTH
  - 3 STEEL POST PER RAIL / POST CHART
  - 4 POSTS TO BE SURROUNDED BY REINFORCEMENT, SEE DETAIL X-X
  - 5 #3 X 4" REBAR, THROUGH OR WELDED TO POST
  - 6 6" DENSE GRADED CRUSHED STONE
  - 7 COMPACTED SUBGRADE - REFER TO GEO-TECHNICAL REPORT FOR RECOMMENDATIONS. NOTE: POTENTIAL VERTICAL RISE (PVR) SHALL NOT EXCEED 1-1/2"
- NOTES:  
1. USE RAIL/POST COMBINATIONS SHOWN UNLESS NOTED OTHERWISE.  
2. GRIND WELDS SMOOTH.

**09** TYPICAL RAIL FOOTING  
1/2" = 1'-0"





1 COPING - REFER TO MATERIALS PLAN FOR TYPE & LOCATION.

2 1/4" TOOLED JOINT - CONTINUOUS ALONG TOP & BOTTOM OF COPING, FILL WITH POLYURETHANE ELASTOMERIC SEALANT, TYP.

3 COPING SUPPORT, SEE 02/SP5.04

4 REINFORCED TOP DECK

5 SHOTCRETE WALL

NOTE:

- SEE 03/SP5.04 FOR END CAP DETAIL.
- WELD & GRIND SMOOTH END CAPS WHERE PIPE ENDS ARE EXPOSED. NO OPEN PIPES, OR CONCRETE FILLED CAPS WILL BE ACCEPTED.

1 REINFORCED TOP DECK

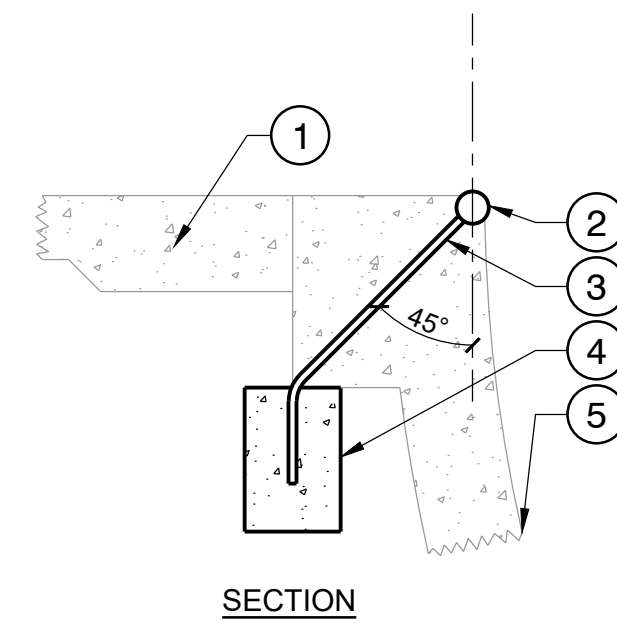
2 COPING - REFER TO MATERIALS PLAN FOR TYPE & LOCATION. FOR CONNECTION SEE "STEEL PIPE COPING" DETAIL

3 #4 REBAR SUPPORT, WELDED TO THE LOWER BACK SIDE OF THE COPING

4 6" DIA. X 8" CONCRETE FOOTING

5 SHOTCRETE WALL

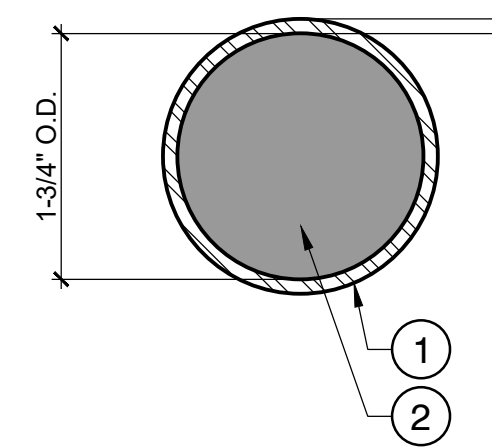
6 PLACE COPING CONSTRUCTION SUPPORT @ 4'-0" O.C. MIN. ALONG COPING



SECTION

PLAN

(B) CONCRETE FOOTING



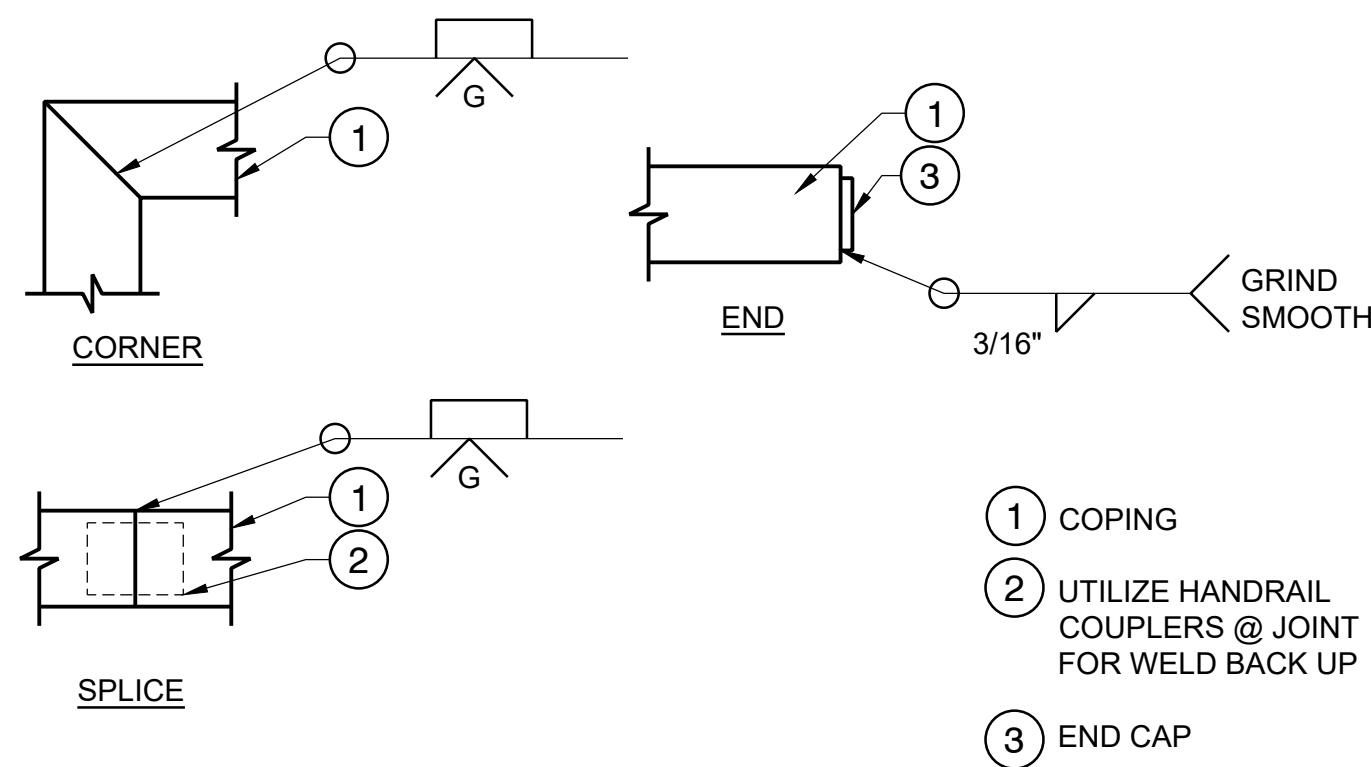
1 ROUND COPING, SEE 01/SP5.05.

2 1-3/4" O.D. x 1/4" THK. END CAP

NOTES:

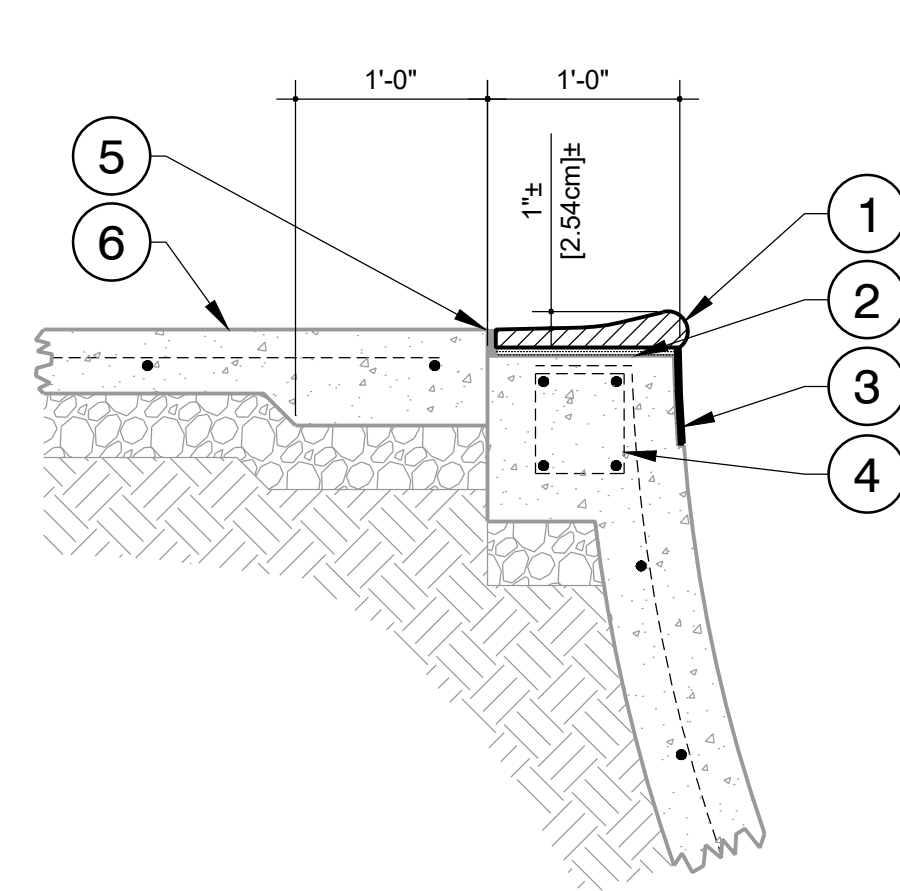
- METAL FABRICATOR TO FURNISH SMOOTH END CAPS WHERE PIPE ENDS ARE EXPOSED. NO OPEN PIPES OR CONCRETE FILLED CAPS WILL BE ACCEPTED.
- METAL FABRICATOR TO CUT CAPS SMALLER THAN ROUND COPING INSIDE DIAMETER (I.D.) TO ALLOW FOR WELDING BEAD SPACE.
- METAL FABRICATOR TO GALVANIZE FLAT STEEL PLATE, THEN PRE-CUT CIRCLES.
- METAL FABRICATOR SHALL NOT SHOP WELD END CAPS INTO THE PIPE ENDS.
- SKATE PARK CONTRACTOR TO WELD END CAPS INTO PIPE ENDS IN THE FIELD UPON INSTALLATION.

01 TYP. ROUND COPING  
1/2" = 1'-0"



- COPING
- UTILIZE HANDRAIL COUPLERS @ JOINT FOR WELD BACK UP
- END CAP

02 COPING SUPPORT  
1" = 1'-0"

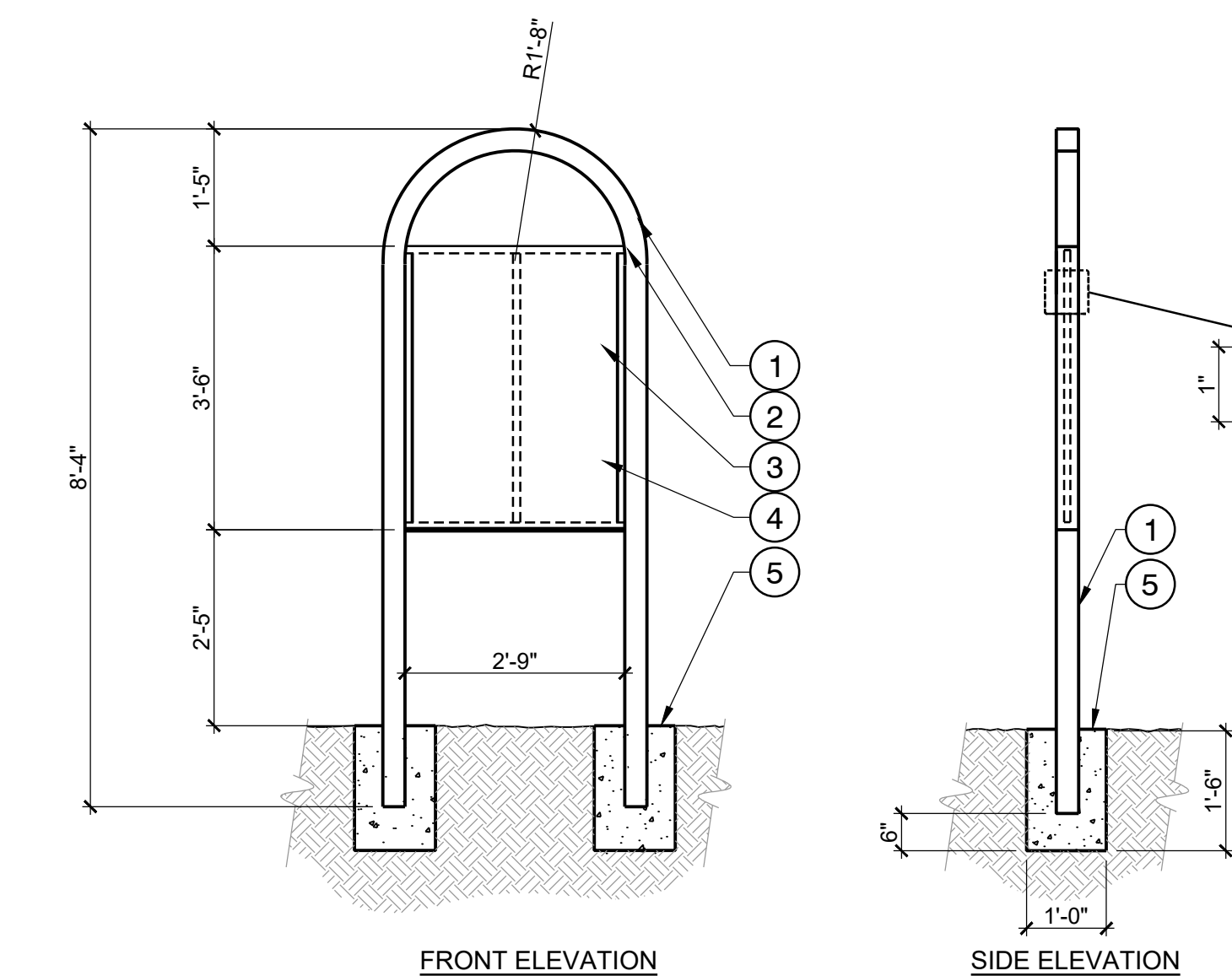


- TEDDER STONE STANDARD BULLNOSE COPING OR APPROVED EQUIVALENT
- APPLY 1/4" BED OF PATCHCRETE ACRYLIC POLYMER UNDERLAYMENT BONDING MATERIAL TO TOP OF BOND BEAM. APPLY 1/4" BED OF SPEC MIX ON THE BOTTOM OF COPING BLOCK.
- POOL TILES (1"x1"x1/4"). SET TILE IN MORTAR. ALIGN TILE FLUSH WITH SHOTCRETE SURFACE. BLEND THIN SET MORTAR WITH LIQUID POLYMER ADMIXTURE.
- BOND BEAM, 07/SP5.02
- EXPANSION JOINT
- REINFORCED TOP DECK

- NOTES:
- COPING TO OVERHANG FINISHED WALL 3/8".
  - COPING SHALL BE MINIMUM OF 6,000 PSI AND INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.

03 COPING END CAP  
3" = 1'-0"

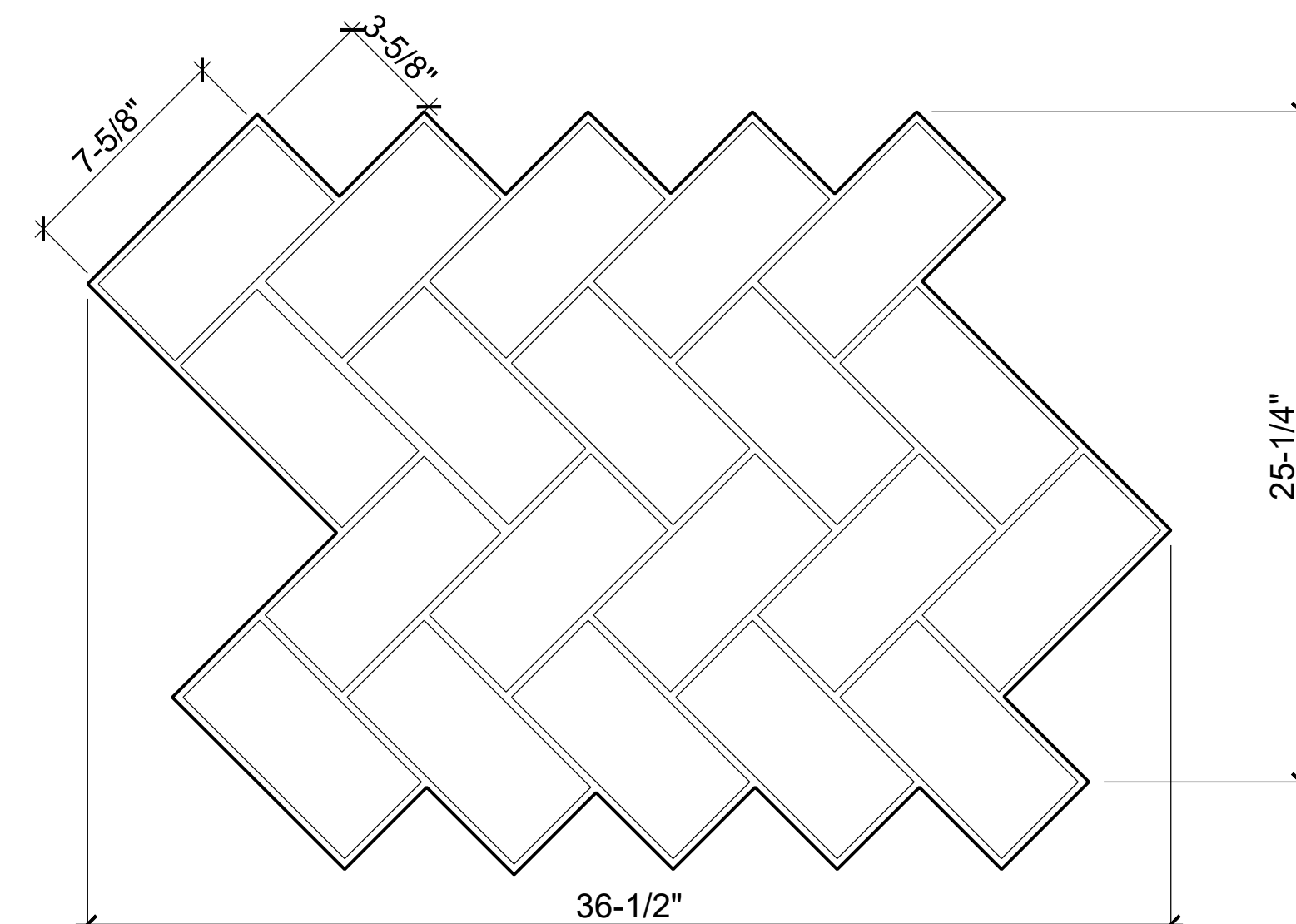
04 TYP. COPING JOINTS  
NOT TO SCALE



- 3" DIA. TUBULAR STEEL POST. FINISH: GALVANIZED
- 1" X 1/4" STEEL, WELD TO STEEL TUBE
- 33" x 42" METAL SIGN IN .080 GAUGE ANCHORED ON STEEL PLATE WITH TAMPER-PROOF BOLTS.

- 1" X 1/4" STEEL, WELD TO STEEL TUBE.
  - CONCRETE FOOTING
- NOTE: SIGNAGE TEXT AND GRAPHICS TO BE PROVIDED BY OWNER

05 POOL COPING  
1" = 1'-0"

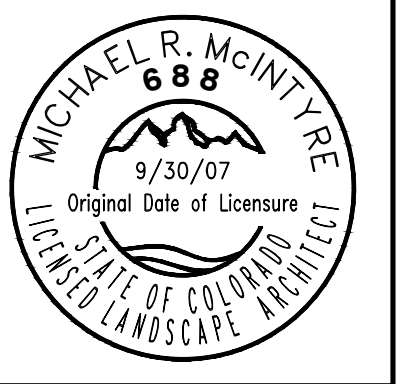


NOTES:

- PATTERN IS FORMED BY COMMON BRICK MASONRY UNITS LAID AT RIGHT ANGLES TO EACH OTHER. INSIDE JOINTS TO HAVE APPEARANCE OF RAKED, ROUGH, SANDY GROUDED JOINT, 3/8" WIDE X 1/8" DEEP. TOOL EDGES HAVE AN OUTSIDE JOINT, 3/8" WIDE ON SELECTED SIDES, AND MATCH THE INSIDE JOINTS WHEN TOOLS ARE JOINED.
- SURFACE TEXTURE IS THAT OF NEW, UNUSED BRICK, EDGES ARE STRAIGHT, CORNERS ARE SQUARE. STAMPED OR STENCILED PATTERN TO HAVE A SMOOTH FINISH, FREE OF VOIDS AND AIR POCKETS.
- THIS PATTERN IS MEANT FOR REFERENCE ONLY.
- CONTRACTOR TO FOLLOW PROFESSIONAL STANDARDS AND PRACTICES, INCLUDING THOSE PUBLISHED BY THE AMERICAN CONCRETE INSTITUTE (ACI).
- CONTRACTOR TO SUBMIT STENCIL PRODUCT TO BE USED DURING INSTALLATION DURING SHOP DRAWING PHASE. SKATEPARK DESIGNER MUST APPROVE STENCIL BEFORE USE.

06 SKATE PARK RULES / ENTRY SIGN  
NOT TO SCALE

07 BRICK STENCIL PATTERN - HERRINGBONE LAYOUT  
NOT TO SCALE



PROJECT: REED PARK ALL WHEEL PARK  
City of Fruita, CO

SHEET TITLE: SKATE PARK DETAILS

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08/03/2023

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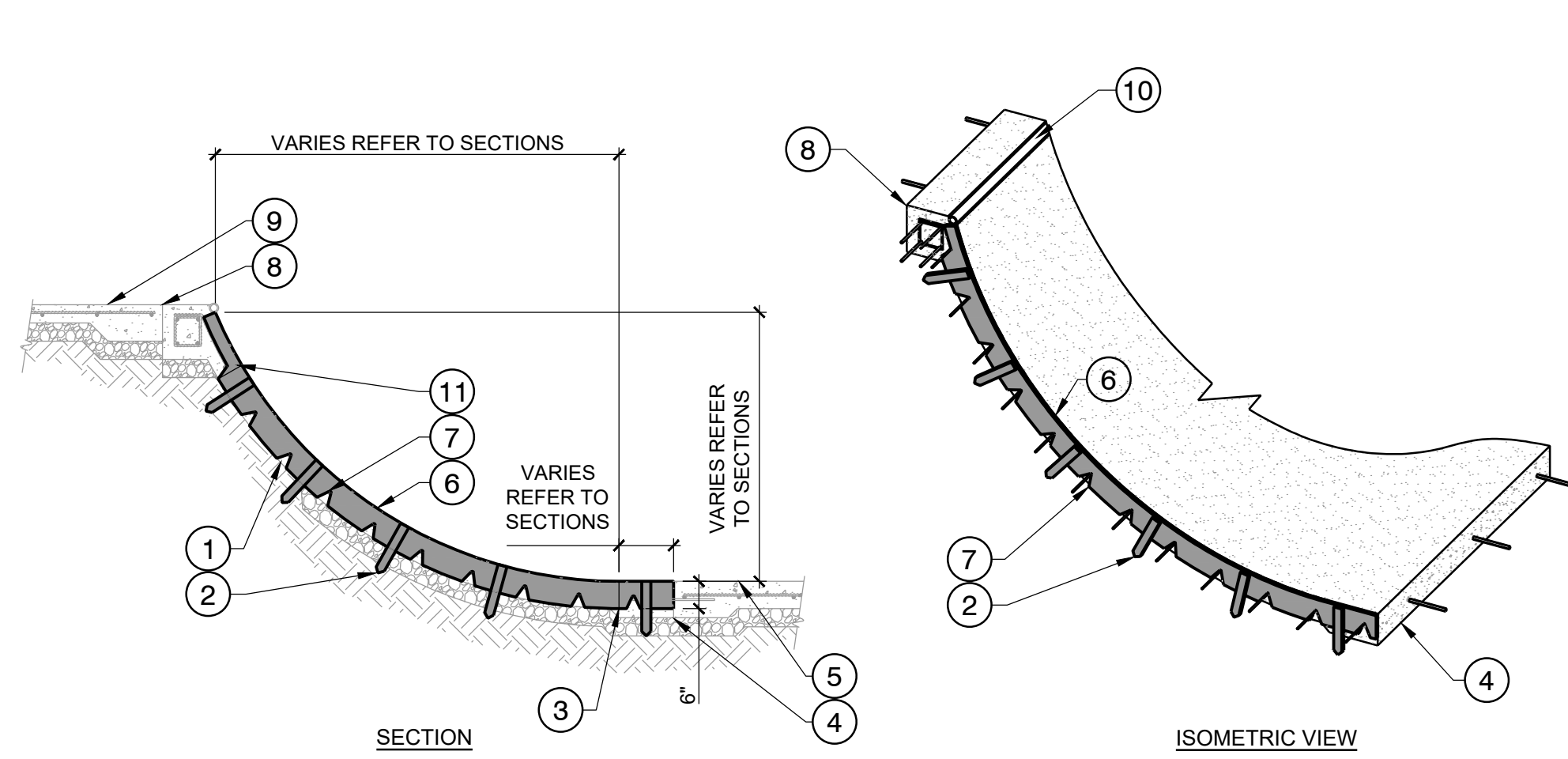
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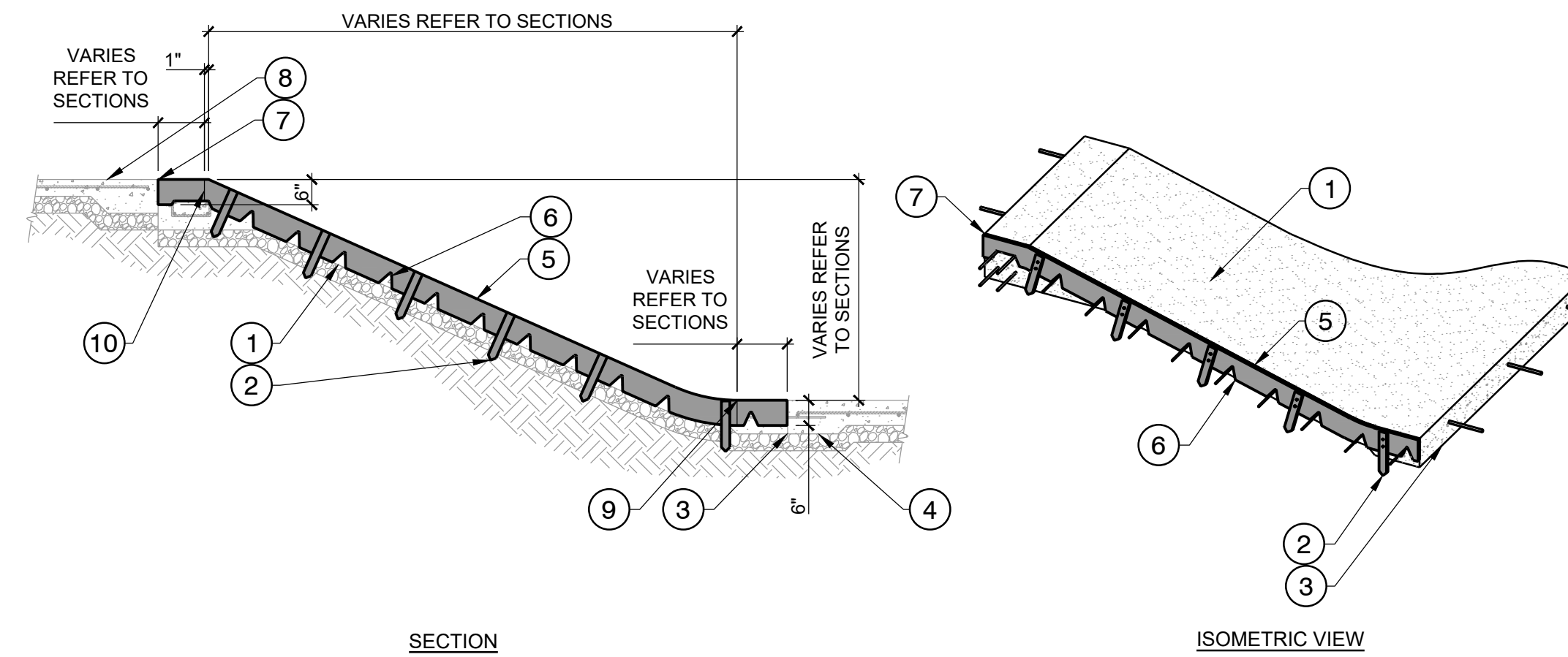
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SHEET NUMBER:  
SP5.05



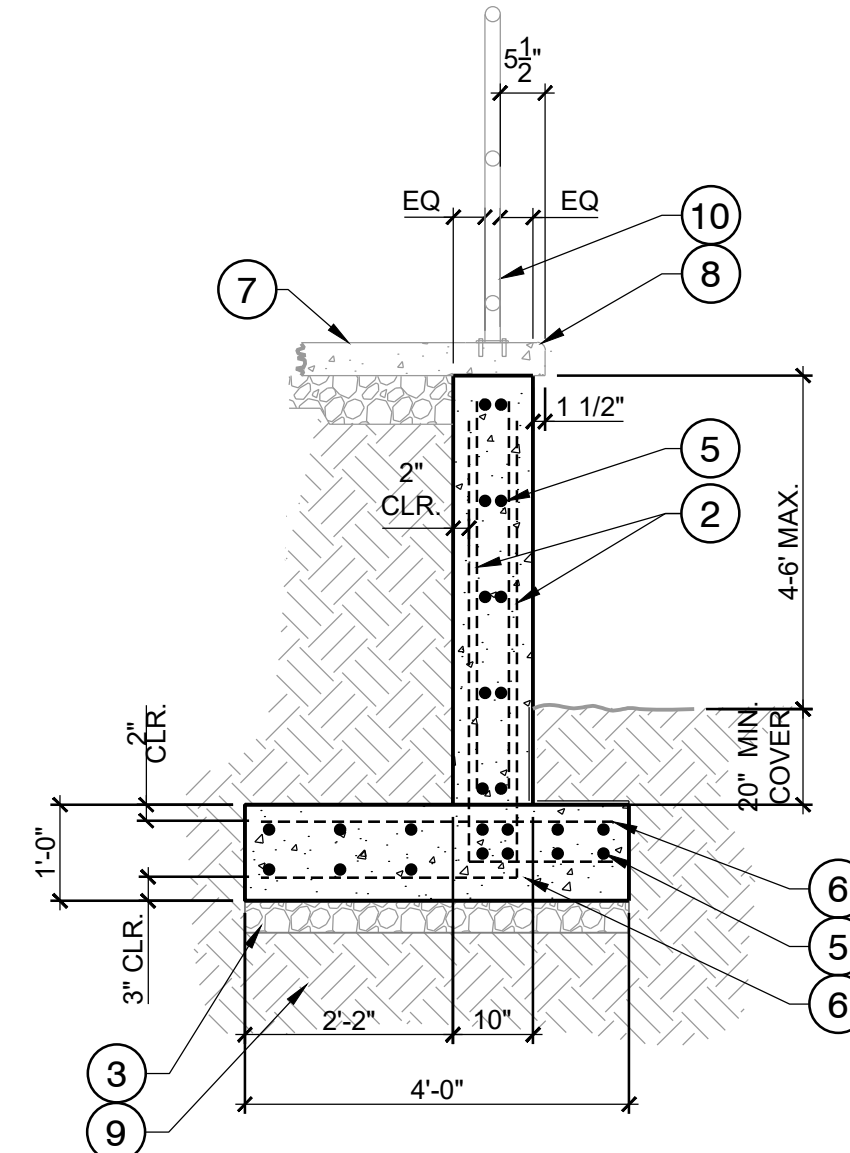


- 1 REINFORCED TRANSITION BEYOND
- 2 2" x 3/4" x 12" WOOD FORM STAKE, TYP.
- 3 POINT OF TANGENCY, DRAW A PERMANENT PLUMB LINE ON BOTH SIDES OF THE TEMPLATE TO INDICATE THE POINT OF TANGENCY
- 4 CONSTRUCTION JOINT AT FLATBOTTOM, END OF TEMPLATE SHALL LINE UP WITH THE CONSTRUCTION JOINT
- 5 REINFORCED FLAT BOTTOM
- 6 3/4" x 6" PLYWOOD
- 7 "V" NOTCH FOR REBAR
- 8 CONSTRUCTION JOINT AT BOND BEAM, END OF TEMPLATE SHALL LINE UP WITH THE CONSTRUCTION JOINT
- 9 REINFORCED TOP DECK
- 10 COPING - REFER TO MATERIALS PLAN FOR TYPE & LOCATION. FOR CONNECTION SEE "STEEL PIPE COPING" DETAIL
- 11 POINT OF INTERSECTION, DRAW A PERMANENT PLUMB LINE ON BOTH SIDES OF THE TEMPLATE TO INDICATE THE POINT OF INTERSECTION

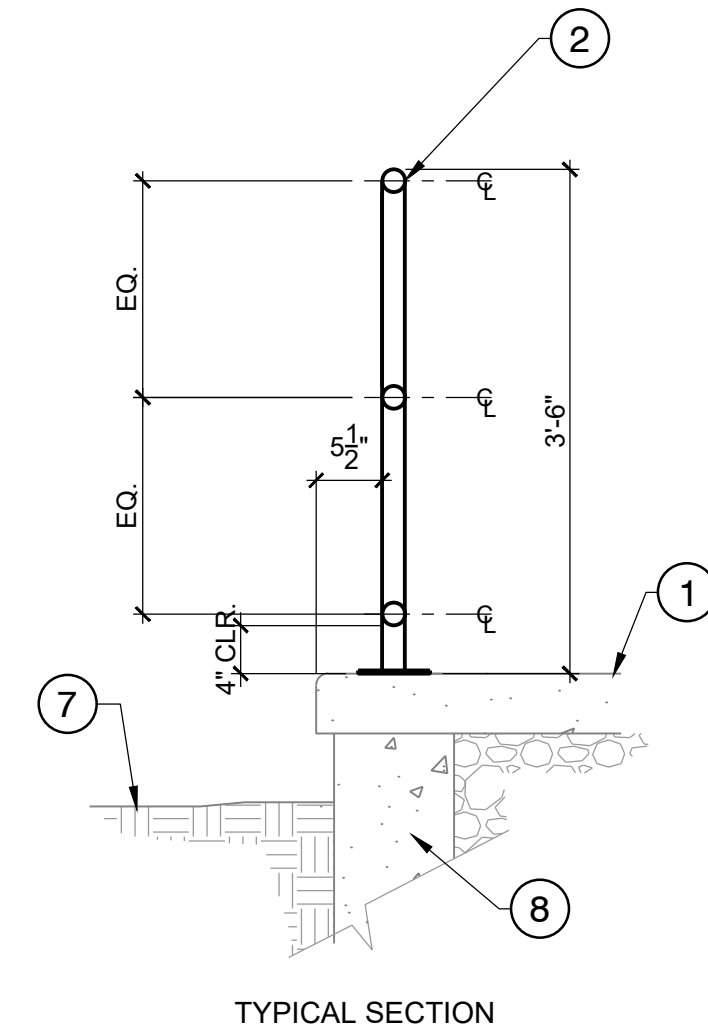


- 1 REINFORCED BANK BEYOND
- 2 2" x 3/4" x 12" WOOD FORM STAKE, TYP.
- 3 CONSTRUCTION JOINT AT FLATBOTTOM, END OF TEMPLATE SHALL LINE UP WITH THE CONSTRUCTION JOINT
- 4 REINFORCED FLAT BOTTOM
- 5 3/4" x 6" PLYWOOD
- 6 "V" NOTCH FOR REBAR
- 7 CONSTRUCTION JOINT AT BOND BEAM, END OF TEMPLATE SHALL LINE UP WITH THE CONSTRUCTION JOINT
- 8 REINFORCED TOP DECK
- 9 POINT OF TANGENCY, DRAW A PERMANENT PLUMB LINE ON BOTH SIDES OF THE TEMPLATE TO INDICATE THE POINT OF TANGENCY
- 10 POINT OF INTERSECTION, DRAW A PERMANENT PLUMB LINE ON BOTH SIDES OF THE TEMPLATE TO INDICATE THE POINT OF INTERSECTION

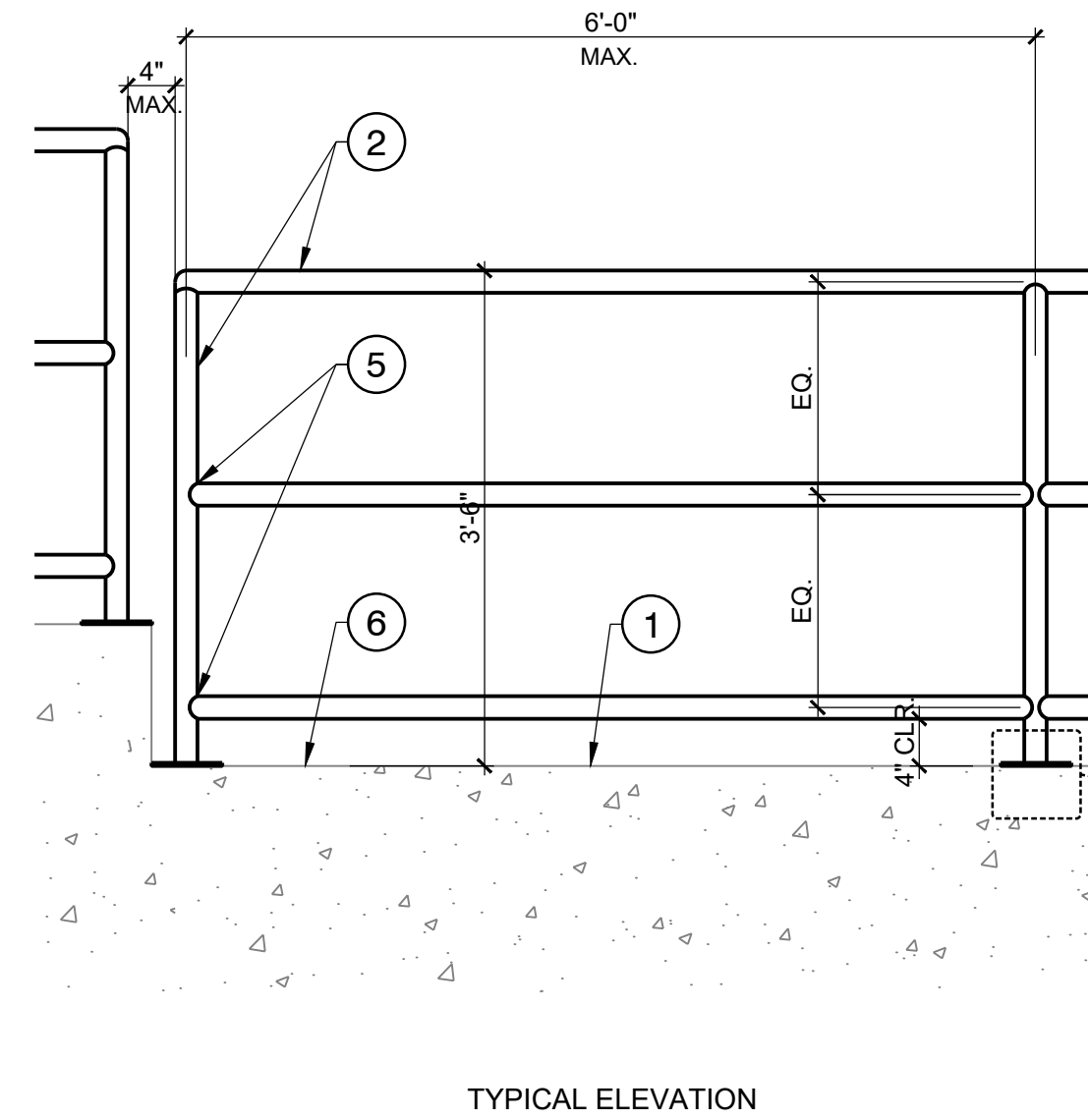
**01 TRANSITION STOP FORM**  
N.T.S.



- 1 WATERPROOFING - ASPHALTIC EMULSION, BACK OF WALL AND BELOW GRADE
- 2 #4 DOWELS @ 18" CONT.
- 3 6" DENSE GRADED CRUSHED STONE
- 4 1'-0" HOOK, TYP.
- 5 #4 REBAR @ 18" O.C. HORIZONTAL
- 6 #4 REBAR @ 18" O.C.
- 7 #5 REBAR @ 12"
- 8 REINFORCED TOP DECK
- 9 1/2" RAD. TOOLED EDGE
- 10 COMPACTED SUBGRADE- REFER TO SPECIFICATIONS
- 11 42" HIGH SAFETY GUARDRAIL POST, SEE 04/SP-5.4

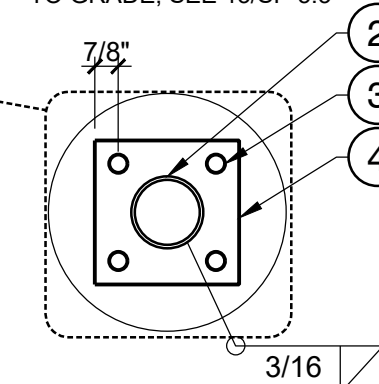


TYPICAL SECTION



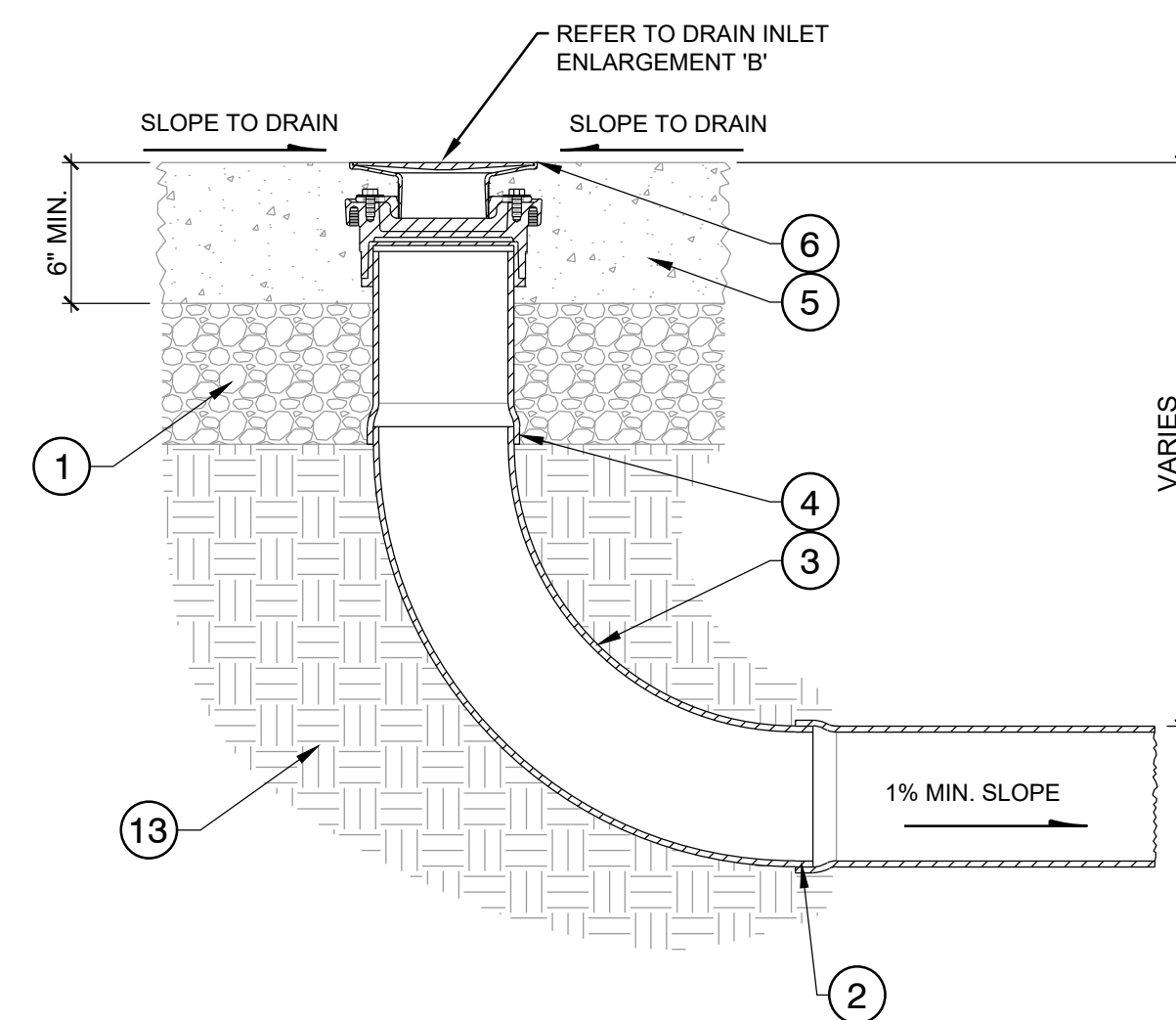
TYPICAL ELEVATION

- 1 REINFORCED TOP DECK
- 2 POST & RAILS: 2" OUTSIDE DIA. ASTM 53 GR. B SCH. 40 PIPE, PAINTED PER TECHNICAL SPECIFICATIONS, REFER TO METAL COLOR PLAN FOR PAINT COLOR.
- 3 (4) 1/2" x 2" EMBED HILTI KBTZ EXPANSION ANCHOR
- 4 6" x 6" x 3/8" STEEL PLATE
- 5 ALL JOINTS WELDED AND GROUND SMOOTH, TYP.
- 6 FENCE SHALL BE PARALLEL TO FINISHED DECK SURFACE
- 7 FINISH GRADE PER CIVIL PLANS
- 8 RETAINING WALL UNDER DECK, SEE 3/SP-5.4 OR TURNDOWN WALL ADJACENT TO GRADE, SEE 13/SP-5.3

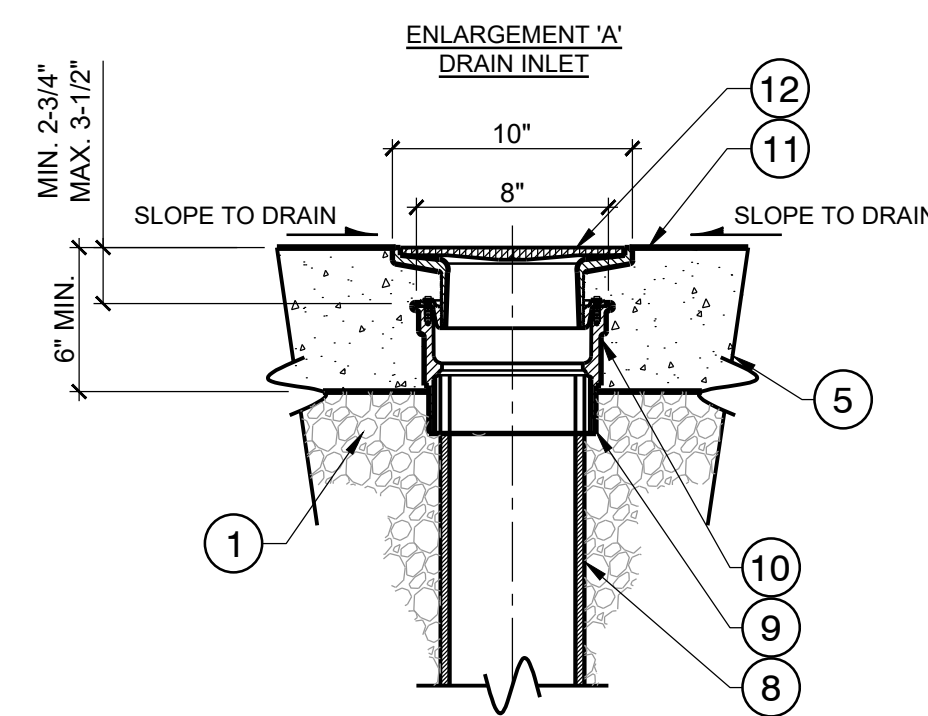


**03 RETAINING WALL UNDER DECK**  
1/2" = 1'-0"

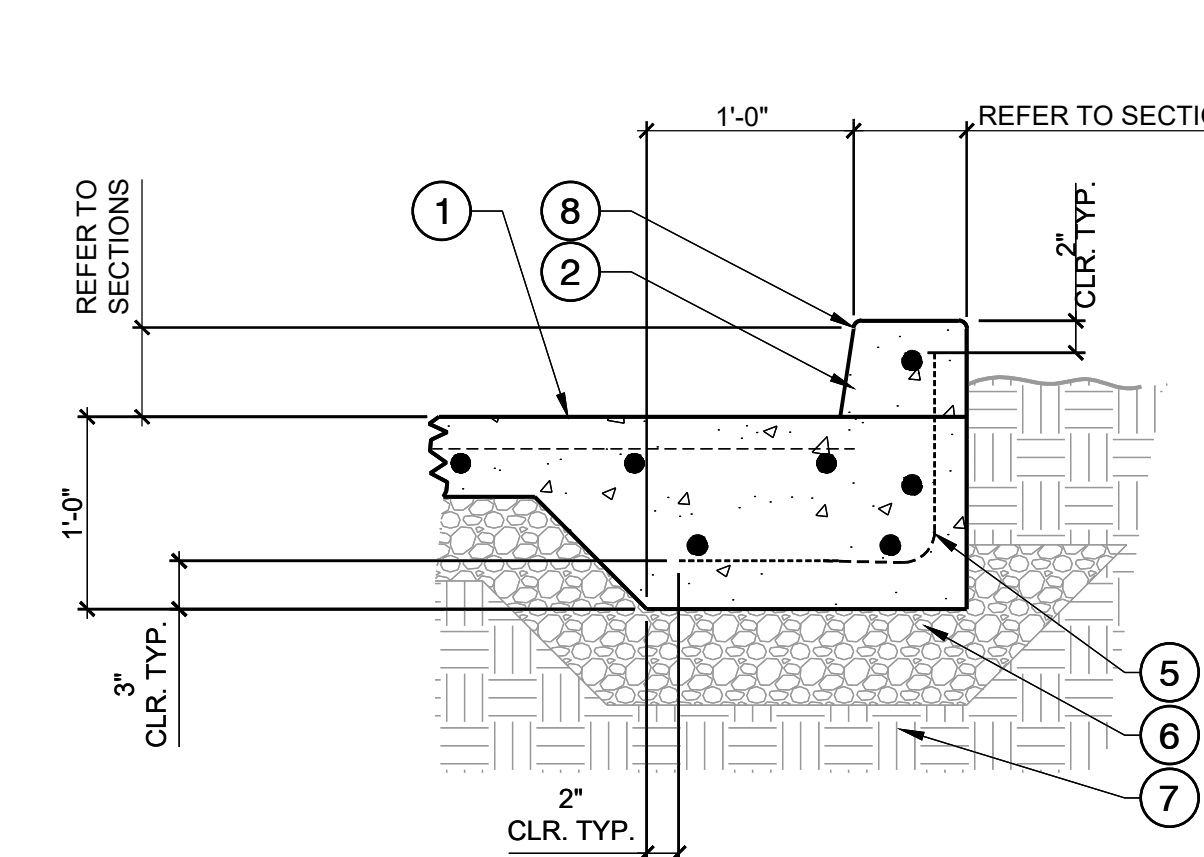
**04 42" HIGH SKATE PARK SAFETY GUARDRAIL**  
3/4" = 1'-0"



**05 DRAIN INLET DETAIL**  
1-1/2" = 1'-0"

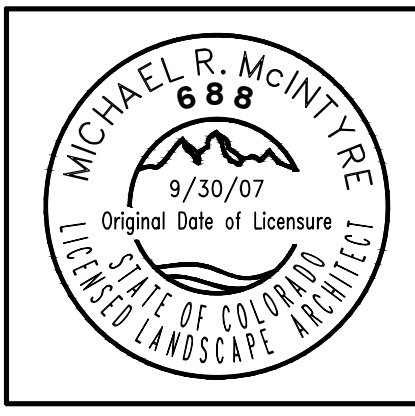


- 1 6" DENSE GRADED CRUSHED STONE.
- 2 (IE) INVERT ELEVATION, AS SHOWN ON PLANS
- 3 LONG RADIUS ELBOW OR TEE AS REQUIRED, ONLY USE SHORT RADIUS ELBOWS FOR TIGHT CLEARANCES
- 4 6" SDR-35 DRAINLINE.
- 5 REINFORCED FLATBOTTOM, INSTALL REINFORCEMENT AROUND DRAIN INLET.
- 6 (RE) RIM ELEVATION, AS SHOWN ON PLANS
- 7 OMIT
- 8 6" PVC, SDR-35 DRAIN LINE.
- 9 SLP X#THRD ADAPTER (PER MANUFACTURER)
- 10 WATTS FD-100-A FLOOR DRAIN WITH CAST IRON BODY, ANCHOR FLANGE, BOTTOM OUTLET & ADJUSTABLE ROUND NICKEL BRONZE STRAINER, OR APPROVED EQUAL.
- 11 CONCRETE FLATBOTTOM SLAB.
- 12 POLISHED NICKEL BRONZE STRAINER
- 13 COMPACTED SUBGRADE- REFER TO GEO-TECHNICAL REPORT FOR RECOMMENDATIONS. NOTE THAT THE POTENTIAL VERTICAL RISE (PVR) SHOULD NOT EXCEED 1'-1/2".



**06 CURB TIED TO DECK**  
1-1/2" = 1'-0"

- 1 REINFORCED TOP DECK / BANK
- 2 CAST IN PLACE CONCRETE CURB
- 3 FINISH GRADE PER CIVIL PLANS
- 4 #4 DOWEL AT 12" O.C. TYP.
- 5 (2) #4 CONT. @ TOP & BOTTOM
- 6 6" DENSE GRADED CRUSHED STONE.
- 7 COMPACTED SUBGRADE- REFER TO SPECIFICATIONS
- 8 1/4" TOOLED RADIUS



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CHECKED BY: ASD

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