

Bid Documents for:

# LaGrange Skate Plaza

*LaGrange, Georgia*

PROJECT ADDRESS

Southbend Park  
Bull Street  
LaGrange, GA 30240

PROJECT DIRECTORY

OWNER'S NAME & ADDRESS

City of LaGrange  
200 Ridley Avenue  
LaGrange, GA 30240  
PROJECT REPRESENTATIVE:  
LEIGH THREADGILL, SENIOR PLANNER (706) 883-2088

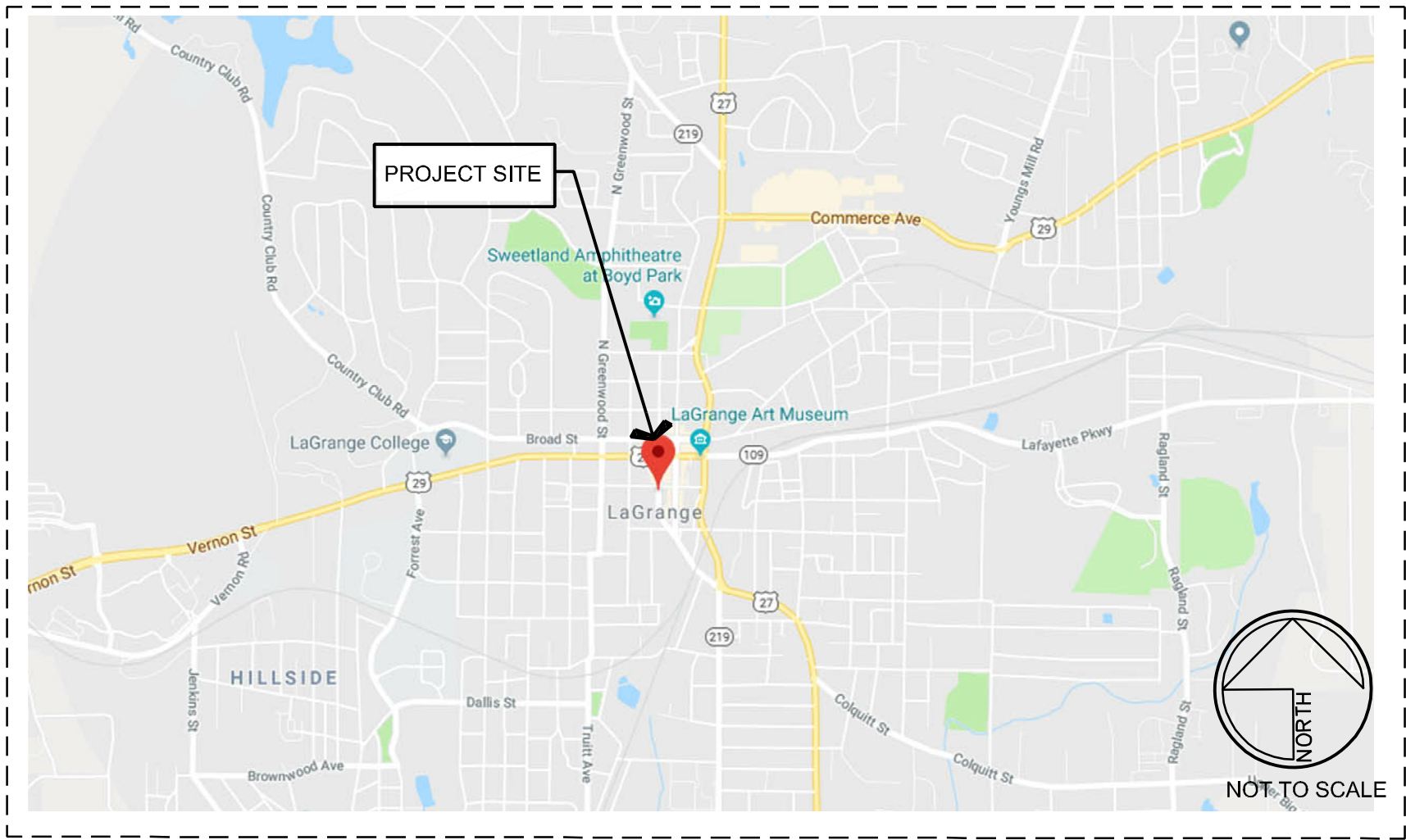
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CONTACT:  
JEFFREY RICE, SENIOR PRINCIPAL (980) 297-7654

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 BREA, CA 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 LAGRANGE, GA.
- 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 LAGRANGE, GA, 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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SUBMITTALS

60 % 03/22/2018  
BID SET 05/15/2018

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PROJECT:  
LAGRANGE SKATE PLAZA  
CITY OF LAGRANGE, GA  
SHEET TITLE:  
SKATE PARK- COVER SHEET

ISSUE DATE:  
03-2018

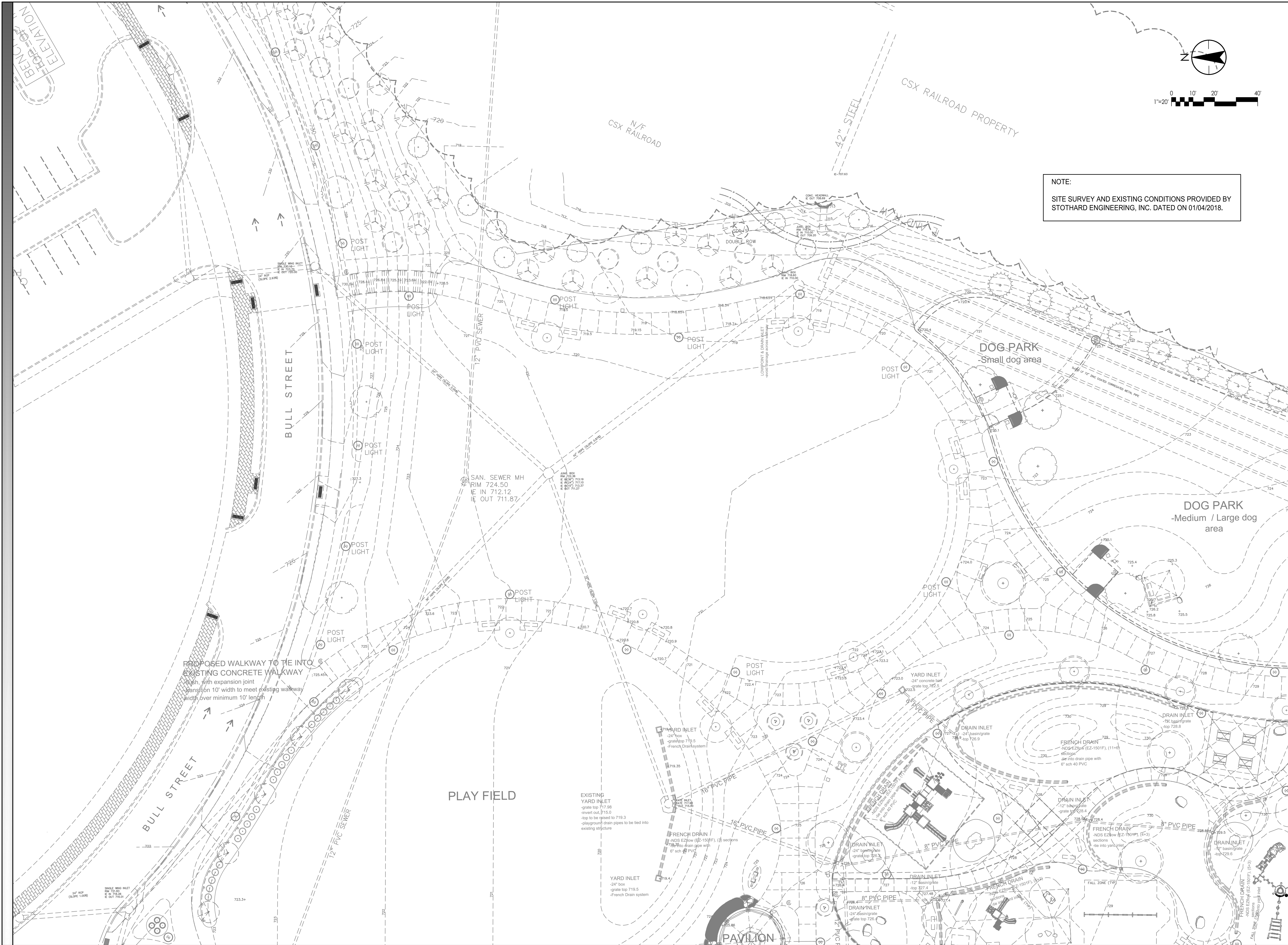
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SP-0.0





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LAGRANGE SKATE PLAZA  
CITY OF LAGRANGE, GA

EXISTING CONDITIONS

PROJECT:

SHEET TITLE:

ISSUE DATE:

03-2018

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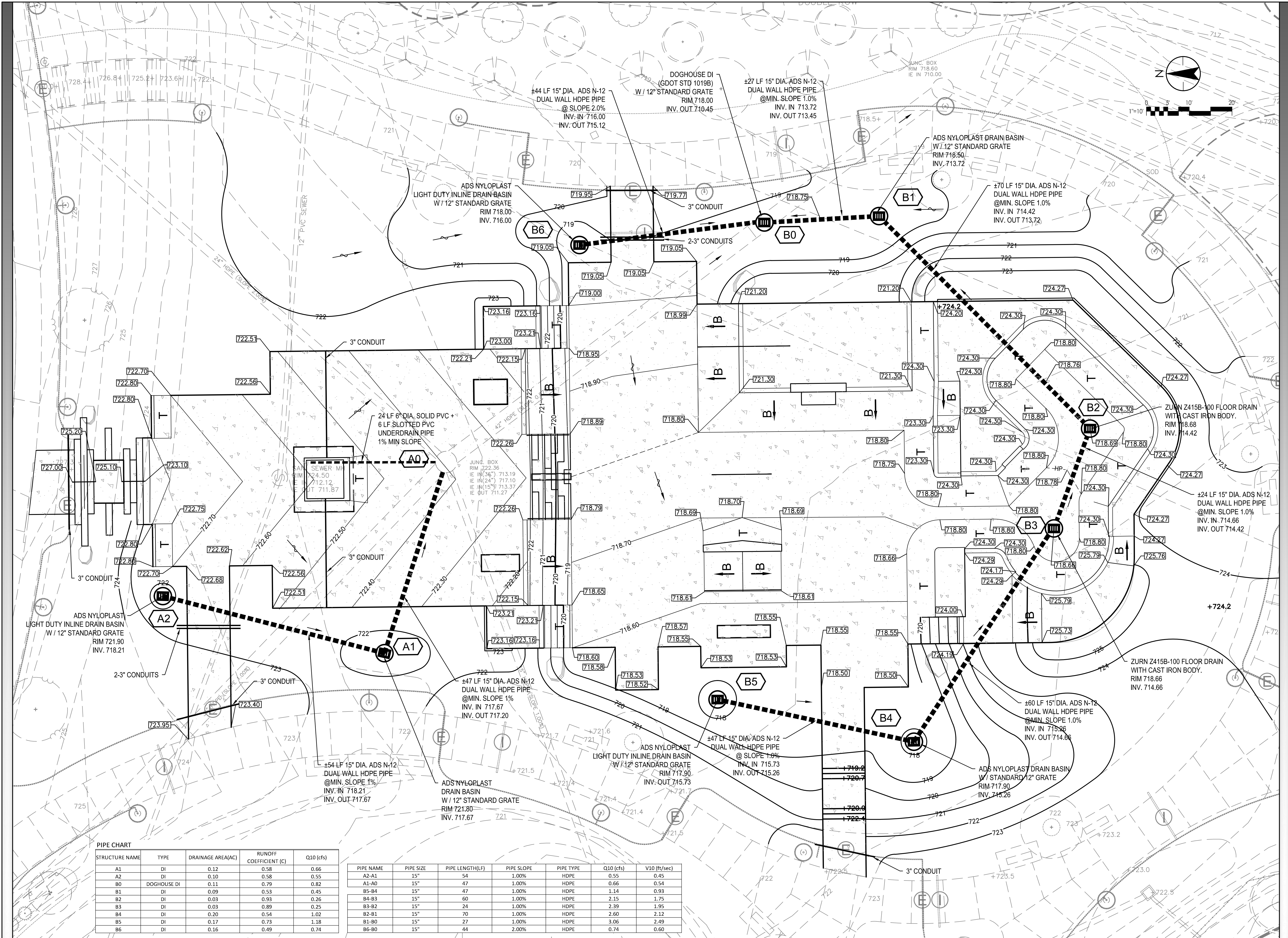
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PROJECT:  
LAGRANGE SKATE PLAZA  
CITY OF LAGRANGE, GA

SHEET TITLE:

GRADING AND DRAINAGE PLAN

ISSUE DATE:

03-2018

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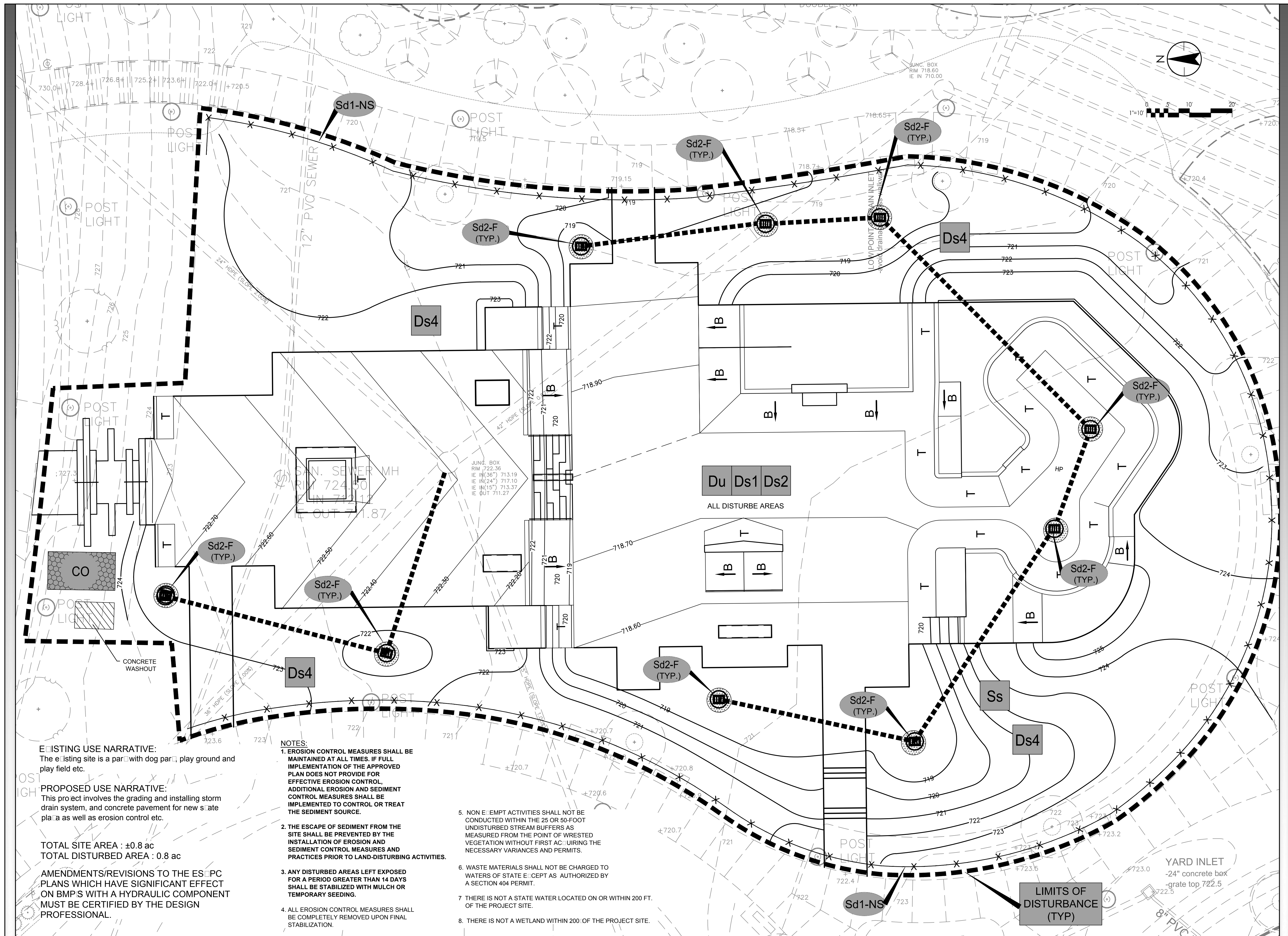
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LAGRANGE SKATE PLAZA  
CITY OF LAGRANGE, GA

## EROSION CONTROL PLAN

ISSUE DATE:  
03-2018

REVISIONS:

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C4.1



CLEARING AND GRUBBING NOTES:

1. PROTECT ADJACENT CURBS, TREES, ASPHALT, UTILITIES, SIDEWALKS, AND OTHER ITEMS TO REMAIN FROM DAMAGE. GRADING CONTRACTORS SHALL BE RESPONSIBLE FOR THE REPAIR AND/OR PAYMENT OF ANY DAMAGED ITEMS TO REMAIN.
2. GRADING CONTRACTOR SHALL VERIFY LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING WORK, BOTH PUBLIC AND PRIVATE. GRADING CONTRACTOR IS FULLY RESPONSIBLE FOR ALL UNDERGROUND UTILITIES AND SHALL REPAIR ANY DAMAGE AS A RESULT OF HIS WORK.
3. SURVEYOR SHALL REPORT ANY ENCROACHMENTS OR DISCREPANCIES GENERATED BY THE CLEARING PLAN IMMEDIATELY TO STANTEC CONSULTING SERVICES, INC. AND OWNER FOR DECISION.
4. SURVEYOR SHALL VERIFY CLOSURE AND ACCURACY OF CURVE DATA PRIOR TO COMMENCEMENT OF FIELD STAKING.
5. CLEARING/GRADING CONTRACTOR SHALL REFER TO GRADING, EROSION CONTROL AND LANDSCAPE PLANS FOR VERIFICATION OF EXISTING TREES TO BE CLEARED AND LOCATION OF TREE PROTECTION FENCE.
6. CLEARING/GRADING CONTRACTOR SHALL MAKE EVERY EFFORT TO SAVE ADDITIONAL TREES WHERE FEASIBLE.
7. NO SOIL DISTURBANCE OR COMPACTION, CONSTRUCTION MATERIALS, TRAFFIC, BURIAL PITS, TRENCHES, OR OTHER LAND DISTURBING ACTIVITY ALLOWED IN THE TREE SAVE AREA.
8. CLEARING LIMITS ON THE PLAN INDICATE THE EXTENT OF ALL MAJOR CLEARING REQUIRED, CLEARING/GRADING CONTRACTOR IS ALSO RESPONSIBLE FOR ANY INCIDENTAL CLEARING REQUIRED FOR MINOR DISCREPANCIES IN GRADE, UTILITY INSTALLATIONS EROSION CONTROL MEASURE, ETC.
9. CLEARING CONTRACTOR TO DISPOSE OF ALL DEBRIS TO AN APPROVED ILLEGAL OFF-SITE LOCATION.
10. NO CLEARING TO OCCUR UNTIL CLEARING CONTRACTOR WALKS LIMITS OF CLEARING WITH OWNER. OWNER RESERVES RIGHT TO ADJUST CLEARING LINE BASED ON FIELD CONDITIONS FOR NO ADDITIONAL COST INCREASE TO THE CONTRACT PRICE.
11. CLEARING CONTRACTOR TO WALK CLEARING LIMITS WITH OWNER PRIOR TO CLEARING CONTRACTOR OR SUBCONTRACTOR COMPLETION.

TOPSOIL NOTE

SLOPES AND DISTURBED AREAS NOT COVERED BY PAVEMENT SHALL BE GRADED SMOOTH AND RECEIVE 4" OF TOP SOIL. CONTRACTOR TO PROVIDE TOPSOIL IF NOT AVAILABLE ON SITE. THE AREAS SHALL BE SEEDED AND COVERED WITH MATTING AS DESIGNED ON PLANS AND WATERED TO PROVIDE A HEARTY MOWABLE STAND OF GRASS. SMALL ROCKS AND DEBRIS MUST BE REMOVED. ANY AREAS DISTURBED FOR ANY REASON PRIOR TO FINAL ACCEPTANCE OF THE PROJECT SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. ISLANDS TO BE BACK-FILLED TO TOP OF CURB WITH TOP SOIL AND GRADED TO DRAIN.

GRADING NOTES:

1. PROPOSED CONTOURS AND ELEVATIONS ARE FINISHED GRADE. CONTOUR INTERVALS ARE AS LABELED.
2. MAXIMUM SLOPE SHALL BE 2 FEET HORIZONTAL TO 1 FOOT VERTICAL (2H:1V)
3. ALL STORM DRAINAGE PIPES SHALL BE LAID ON SMOOTH, CONTINUOUS GRADES WITH NO VISIBLE BENDS AT THE JOINTS.
4. ALL PIPE LENGTHS AND DISTANCES BETWEEN STRUCTURES ARE MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE ALONG A HORIZONTAL PLANE.

DRAINAGE NOTES:

1. ALL PROPOSED DRAINAGE PIPE TO BE RCP OR HDPE AS INDICATED OR APPROVED EQUAL.
2. ALL PIPE AND DRAINAGE STRUCTURES MATERIAL AND PLACEMENTS SHALL BE IN ACCORDANCE WITH CITY OF LAGRANGE AND SPECIFICATIONS.
3. ALL STORM STRUCTURES SHALL MEET GEORGIA DOT SPECIFICATIONS AND STANDARDS.

EROSION CONTROL NOTES:

1. STRIPPING OF VEGETATION, REGRADING, AND OTHER DEVELOPMENT ACTIVITIES SHALL BE CONDUCTED IN SUCH A MANNER SO AS TO MINIMIZE EROSION.
2. CUT AND FILL OPERATIONS SHALL BE KEPT TO A MINIMUM.
3. WHENEVER FEASIBLE, NATURAL VEGETATION SHALL BE RETAINED, PROTECTED, AND SUPPLEMENTED.
4. THE DISTURBED AREA AND THE DURATION OF EXPOSURE TO EROSIIVE ELEMENTS SHALL BE KEPT TO A PRACTICABLE MINIMUM.
5. DISTURBED SOIL SHALL BE STABILIZED AS QUICKLY AS PRACTICABLE.
6. TEMPORARY VEGETATION OR MULCHING SHALL BE EMPLOYED TO PROTECT EXPOSED CRITICAL AREAS DURING DEVELOPMENT.
7. PERMANENT VEGETATION AND STRUCTURAL EROSION CONTROL MEASURES SHALL BE INSTALLED AS SOON AS PRACTICABLE.
8. TO THE EXTENT NECESSARY, SEDIMENT IN RUN-OFF WATER SHALL BE TRAPPED BY THE USE OF DEBRIS BASINS, SILT TRAPS, OR SIMILAR MEASURES UNTIL THE DISTURBED AREA IS STABILIZED.
9. ADEQUATE PROVISIONS SHALL BE PROVIDED TO MINIMIZE DAMAGE FROM SURFACE WATER TO THE CUT FACE OF EXCAVATIONS OR THE SLOPING SURFACES OF FILLS.
10. CUTS AND FILLS SHALL NOT ENDANGER ADJOINING PROPERTY.
11. FILLS SHALL NOT ENCROACH UPON NATURAL WATERCOURSES OR CONSTRUCTED CHANNELS IN A MANNER SO AS TO ADVERSELY AFFECT OTHER PROPERTY OWNERS.
12. GRADING EQUIPMENT SHALL CROSS FLOWING STREAMS BY THE MEANS OF BRIDGES OR CULVERTS, EXCEPT WHEN SUCH METHODS ARE NOT FEASIBLE, PROVIDED IN ANY CASE THAT SUCH CROSSINGS SHALL BE KEPT TO A MINIMUM.
13. PROVISIONS SHALL BE PROVIDED FOR TREATMENT OR CONTROL OF ANY SOURCE OF SEDIMENTS AND ADEQUATE SEDIMENTATION CONTROL FACILITIES TO RETAIN SEDIMENTS ON SITE OR PRECLUDE SEDIMENTATION OF ADJACENT WATERS BEYOND THE LEVELS SPECIFIED IN THIS PERMIT.
14. THE INSTALLATION OF EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES SHALL OCCUR PRIOR TO OR CONCURRENT WITH LAND-DISTURBING ACTIVITIES.
15. EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE MAINTAINED AT ALL TIMES. ADDITIONAL EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES SHALL BE INSTALLED IF DEEMED NECESSARY BY ONSITE INSPECTION.
16. MAINTENANCE OF ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES, WHETHER TEMPORARY OR PERMANENT, SHALL BE AT ALL TIMES DURING PROJECT LIFE THE RESPONSIBILITY OF THE CONTRACTOR.
17. ADDITIONAL EROSION CONTROL MEASURES SHALL BE EMPLOYED WHERE DETERMINED NECESSARY BY ACTUAL SITE CONDITIONS.
18. PRIOR TO ANY OTHER CONSTRUCTION, A STABILIZED CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED AT EACH POINT OF ENTRY TO OR EXIT FROM THE SITE.
19. THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHT OF WAY. THIS MAY REQUIRE PERIODIC DRESSING WITH STONE, AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEANOUT OF ANY STRUCTURES USED TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLE OR SITE ONTO PUBLIC ROADWAY OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
20. ALL OPEN SWALES MUST BE GRASSED, AND RIP-RAP MUST BE PLACED AS REQUIRED TO CONTROL EROSION. A MINIMUM OF 4.5 SQUARE YARDS OF 50 POUND STONES SHALL BE PLACED AT ALL DOWNSTREAM HEADWALLS. THE PLACEMENT OF RIP-RAP AT THE DOWNSTREAM HEADWALLS SHALL BE PLACED IMMEDIATELY UPON INSTALLATION OF PIPES AND DRAINAGE DITCHES.
21. IMMEDIATELY AFTER THE ESTABLISHMENT OF THE CONSTRUCTION ENTRANCES/EXITS, ALL PERIMETER EROSION CONTROL DEVICES AND STORMWATER MANAGEMENT DEVICES SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION.
22. EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.
23. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND-DISTURBING ACTIVITIES.

CONSTRUCTION NOTES

1. ALL CONSTRUCTION SHALL COMPLY WITH CITY OF LAGRANGE DEVELOPMENT STANDARDS.
2. CITY OF LAGRANGE LAND DISTURBANCE PERMIT MUST BE DISPLAYED ON SITE AT ALL TIMES DURING CONSTRUCTION AND IN PLAIN VIEW FROM THE ROAD OR STREET.
3. CONSTRUCTION EQUIPMENT SHALL NOT BE PARKED IN REQUIRED RIGHT-OF-WAY, AND MUST BE STORED WITHIN SITE.
4. NO JOB TRAILER AND/OR CONSTRUCTION OFFICE IS SHOWN ON THESE PLANS. A SEPARATE PERMIT WILL BE REQUIRED FOR EACH TEMPORARY BUILDING.
5. NO OUTSIDE STORAGE PROPOSED.
6. NOTIFY THE CITY OF LAGRANGE PRIOR TO ANY CONSTRUCTION WITHIN THE RIGHT-OF-WAY.
7. THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY BARRICADES AROUND THE WORK AND SHALL PROVIDE PROTECTION AGAINST WATER DAMAGE AND SOIL EROSION.
8. ALL WORK SHALL BE PERFORMED AND FINISHED IN A WORKMAN LIKE MANNER TO THE ENTIRE SATISFACTION OF THE OWNER, AND IN ACCORDANCE WITH THE BEST RECOGNIZED TRADE PRACTICES.
9. THE CONTRACTOR SHALL MAINTAIN ACCESS FOR EMERGENCY VEHICLES AROUND AND TO ALL BUILDINGS UNDER CONSTRUCTION, IN TIMES OR RAIN OR MUD, ROADS SHALL BE ABLE TO CARRY A FIRE TRUCK BY BEING PAVED OR HAVING A CRUSHED STONE BASE, ETC. WITH A MINIMUM WIDTH OF 24 FEET.
10. ACCESS ROADWAYS CONSTRUCTED OF AN ALL WEATHER SURFACE CAPABLE OF SUPPORTING 80,000 POUNDS GROSS WEIGHT SHALL BE PROVIDED PER STANDARD FIRE PREVENTION CODE.
11. WIDTH OF ACCESS ROADWAYS SHALL BE 24 FEET PER STANDARD FIRE PREVENTION CODE.
12. EXCESS CUT MATERIAL, IF ANY, SHALL BECOME THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE UNLESS OTHERWISE APPROVED TO BE PLACED ON SITE BY THE OWNER.
13. THE CONTRACTOR SHALL PROVIDE ANY EXCAVATION AND MATERIAL SAMPLES NECESSARY TO CONDUCT REQUIRED SOIL TEST. ALL ARRANGEMENTS AND SCHEDULING FOR TESTING SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
14. SOIL TESTING AND ON SITE INSPECTIONS SHALL BE PERFORMED BY AN INDEPENDENT GEOTECHNICAL ENGINEER. THE SOILS ENGINEER SHALL PROVIDE COPIES OF TEST REPORTS TO THE CONTRACTOR, THE OWNER AND THE OWNER'S REPRESENTATIVE AND SHALL PROMPTLY NOTIFY THE OWNER, HIS REPRESENTATIVE AND THE CONTRACTOR SHOULD ANY WORK FAIL TO MEET PROJECT SPECIFICATIONS.
15. ALL FILL MATERIAL TO BE UTILIZED ON THE PROJECT SHALL BE FREE OF ORGANIC OR OTHERWISE DELETERIOUS MATERIALS AND COMPACTED TO MINIMUM DRY DENSITIES CORRESPONDING TO 95% OF MAXIMUM DRY DENSITY AS OBTAINED BY STANDARD PROCTOR (ASTM D698), AND AT LEAST 98% OF STANDARD PROCTOR WITHIN ONE (1) FOOT BELOW PAVEMENT SUBGRADE. FILL MATERIAL SHALL BE PLACED IN LIFTS NOT TO EXCEED 6" LOOSE MEASURE.
16. ALL SEDIMENT CONTROL DEVICES ARE TO BE CONSTRUCTED AND FULLY OPERATIONAL PRIOR TO ANY OTHER CONSTRUCTION OR GRADING.
17. CONSTRUCTION ENTRANCE PADS SHALL BE INSTALLED PRIOR TO LAND DISTURBANCE.
18. ALL DISTURBED AREAS TO GRASSED AS SOON AS CONSTRUCTION PERMITS.
19. IT IS THE CONTRACTORS RESPONSIBILITY TO PERFORM REQUIRED MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL DEVICES TO ENSURE PROPER FUNCTION AT ALL TIMES.
20. ALL CONCRETE SHALL BE CLASS 1, 3,000 PSI AT 28 DAYS COMPRESSIVE STRENGTH WITH A MAXIMUM SLUMP OF 4" UNLESS NOTED OTHERWISE. ALL EXPOSED CONCRETE TO HAVE A FINE BROOM FINISH UNLESS NOTED OTHERWISE.

UTILITY NOTES

1. CONTRACTOR SHALL FIELD VERIFY LOCATION AND INVERT OF ALL UTILITIES PRIOR TO CONSTRUCTION AND COORDINATE ANY DISCREPANCY WITH ENGINEER.

GEOTECHNICAL NOTES

1. REFER TO GEOTEC REPORT PREPARED BY GEOTECHNICAL & ENVIROMENTAL CONSULTANTS, INC. DATED ON MARCH 16, 2018.



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LICENSE:

LAGRANGE SKATE PLAZA  
CITY OF LAGRANGE, GA

GENERAL NOTES

PROJECT:

SHEET TITLE:

ISSUE DATE:

03-2018

DRAWN BY:

Stantec

CHECKED BY:

Stantec

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SHEET NUMBER:

C5.1



GEORGIA  
UNIFORM CODING SYSTEM  
FOR SOIL EROSION AND SEDIMENT CONTROL PRACTICES  
GEORGIA SOIL AND WATER CONSERVATION COMMISSION  
STRUCTURAL PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Co	CONSTRUCTION EXIT			A crushed stone pad located at the construction site exit to provide a place for removing mud from tires thereby protecting public streets.
Sd1	SEDIMENT BARRIER			A barrier to prevent sediment from leaving the construction site. It may be sandbags, bales of straw or hay, brush, logs and poles, gravel, or a silt fence.
Sd2	INLET SEDIMENT TRAP			An impounding area created by excavating around a storm drain drop inlet. The excavated area will be filled and stabilized on completion of construction activities.

VEGETATIVE PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)			Establishing temporary protection for disturbed areas where seedlings may not have a suitable growing season to produce an erosion retarding cover.
Ds2	DISTURBED AREA STABILIZATION (WITH TEMP SEEDING)			Establishing a temporary vegetative cover with fast growing seedlings on disturbed areas.
Ds3	DISTURBED AREA STABILIZATION (WITH PERM SEEDING)			Establishing a permanent vegetative cover such as trees, shrubs, vines, grasses, or legumes on disturbed areas.
Ds4	DISTURBED AREA STABILIZATION (SODDING)			A permanent vegetative cover using sods on highly erodable or critically eroded lands.
Du	DUST CONTROL ON DISTURBED AREAS			Controlling surface and air movement of dust on construction site, roadways and similar sites.

DISTURBED AREA  
STABILIZATION  
(WITH SODDING)



**DEFINITION**  
A permanent vegetative cover using sods on highly erodible or critically eroded lands.

- PURPOSE**
- Establish immediate ground cover.
  - Reduce runoff and erosion.
  - Improve aesthetics and land value.
  - Reduce dust and sediments.
  - Stabilize waterways, critical areas.
  - Filter sediments, nutrients and bugs.
  - Reduce downstream complaints.
  - Reduce likelihood of legal action.
  - Reduce likelihood of work stoppage due to legal action.
  - Increase "good neighbor" benefits.

**CONDITIONS**  
This application is appropriate for areas which require immediate vegetative covers, drop inlets, grass swales, and waterways with intermittent flow.

**PLANNING CONSIDERATIONS**  
Sodding can initially be more costly than seeding, but the advantages justify the increased initial costs:

GSWCC (Amended - 2013)

6-103

6-104

1. Immediate erosion control, green surface, and quick use.
2. Reduced failure as compared to seed as well as the lack of weeds.
3. Can be established nearly year-round.

Sodding is preferable to seed in waterways and swales because of the immediate protection of the channel after application. Sodding must be staked in concentrated flow areas (See Figure 6-6.1).

Consider using sod framed around drop inlets to reduce sediments and maintaining the grade.

CONSTRUCTION SPECIFICATIONS

**Soil Preparation**  
Bring soil surface to final grade. Clear surface of trash, woody debris, stones and clods larger than 1". Apply sod to soil surfaces only and not frozen surfaces, or gravel type soils.

Topsoil properly applied will help guarantee a stand. Don't use topsoil recently treated with herbicides or soil sterilants.

Mix fertilizer into soil surface. Fertilize based on soil tests or Table 6-6.1.

Table 6-6.1. Fertilizer Requirements for Soil Surface Application			
Fertilizer Type	Fertilizer Rate (lbs/acre)	Fertilizer Rate (lbs/sq ft)	Season
10-10-10	1000	.025	Fall

Agricultural lime should be applied based on soil tests or at a rate of 1 to 2 tons per acre.

Installation

Lay sod with tight joints and in straight lines. Don't overlap joints. Stagger joints and do not stretch sod (See Figure 6-6.2)

On slopes steeper than 3:1, sod should be anchored with pins or other approved methods. Installed sod should be rolled or tamped to provide good contact between sod and soil.

Irrigate sod and soil to a depth of 4" immediately after installation.

Sod should not be cut or spread in extremely wet or dry weather. Irrigation should be used to supplement rainfall for a minimum of 2-3 weeks.

MATERIALS

Sod selected should be certified. Sod grown in the general area of the project is desirable.

1. Sod should be machine cut and contain 3/4" (+ or -1/4") of soil, not including shoots or thatch.
2. Sod should be cut to the desired size within + or -5%. Torn or uneven pads should be rejected.
3. Sod should be cut and installed within 36 hours of digging.
4. Avoid planting when subject to frost heave or hot weather, if irrigation is not available.
5. The sod type should be shown on the plans or installed according to Table 6-6.2. See Figure 6-4.1 for your Resource Area.

MAINTENANCE

Re-sod areas where an adequate stand of sod is not obtained. New sod should be mowed sparingly. Grass height should not be cut less than 2"-3" or as specified (See Figure 6-6.2).

Apply one ton of agricultural lime as indicated by soil test or every 4-6 years. Fertilize grasses in accordance with soil tests or Table 6-6.3.

Table 6-6.2 Sod Planting Requirements			
Grass	Varieties	Resource Area	Growing Season
Bermudagrass	Common Tifway Tifgreen Tiflawn	M-L,P C P C	warm weather
Bahiagrass	Pensacola	P,C	warm weather
Centipede	—	P,C	warm weather
St. Augustine	Common Bitterblue Raleigh	C	warm weather
Zoysia	Emerald Myer	P,C	warm weather
Tall Fescue	Kentucky	M-L,P	cool weather

Table 6-6.3 Fertilizer Requirements for Sod				
Types of Species	Planting Year	Fertilizer (N-P-K)	Rate (lbs./acre)	Nitrogen Top Dressing Rate (lbs./acre)
cool season grasses	first	6-12-12	1500	50-100
	second maintenance	6-12-12 10-10-10	1000 400	30
warm season grasses	first	6-12-12	1500	50-100
	second maintenance	6-12-12 10-10-10	800 400	30

GSWCC (Amended - 2013)

DEFINITION

Controlling surface and air movement of dust on construction sites, roads, and demolition sites.

CONDITIONS

This practice is applicable to areas subject to surface and air movement of dust where on- and off-site damage may occur without treatment.

METHOD AND MATERIALS

A. TEMPORARY METHODS

Mulches. See standard Ds1 - Disturbed Area Stabilization (With Mulching Only). Synthetic resins may be used instead of asphalt to bind mulch material. Refer to standard Tb-Tackifiers and Binders. Resins such as Quasol or Terrastack should be used according to manufacturer's recommendations.

Vegetative Cover. See standard Ds2 - Disturbed Area Stabilization (With Temporary Seeding).

Spray-on Adhesives. These are used on mineral soils (not effective on muck soils). Keep traffic off these areas. Refer to standard Tb-Tackifiers and Binders.

Tillage. This practice is designed to roughen and bring clods to the surface. It is an emergency measure which should be used before wind erosi on starts. Begin plowing on windward side of site. Chisel-type plows spaced about 12 inches apart, spring-toothed harrows, and similar plows are examples of equipment which may produce the desired effect.

Irrigation. This is generally done as an emergency treatment. Site is sprinkled with water until the surface is wet. Repeat as needed.

Barriers. Solid board fences, snow fences, burlap fences, crate walls, bales of hay and similar material can be used to control air currents and soil blowing. Barriers placed at right angles to prevailing currents at intervals of about 15 times their height are effective in controlling wind erosion.

Calcium Chloride. Apply at rate that will keep surface moist. May need retreatment.

B. PERMANENT METHODS

Permanent Vegetation. See standard Ds3 - Disturbed Area Stabilization (With Permanent Vegetation). Existing trees and large shrubs may afford valuable protection if left in place.

Topsoiling. This entails covering the surface with less erosive soil material. See standard Tp - Topsoiling.

Stone. Cover surface with crushed stone or coarse gravel. See standard Cr-Construction Road Stabilization.

Du  
DUST CONTROL ON  
DISTURBED AREAS

DEFINITION

Applying plant residues or other suitable materials, produced on the site if possible, to the soil surface.

CONDITIONS

Mulch or temporary grassing shall be applied to all exposed areas within 14 days of disturbance. Mulch can be used as a singular erosion control device for up to six months, but it shall be applied at the appropriate depth, depending on the material used, anchored, and have a continuous 90% cover or greater of the soil surface. Maintenance shall be required to maintain appropriate depth and 90% cover. Temporary vegetation may be employed instead of mulch if the area will remain undisturbed for less than six months. If an area will remain undisturbed for greater than six months, permanent vegetative techniques shall be employed.

SPECIFICATIONS

MULCHING WITHOUT SEEDING

This standard applies to grades or cleared areas where seedlings may not have a suitable growing season to produce an erosion retardant cover, but can be stabilized with a mulch cover.

Site Preparation

1. Grade to permit the use of equipment for applying and anchoring mulch.

2. Install needed erosion control measures as required such as dikes, diversions, berms, terraces and sediment barriers.

3. Loosen compact soil to a minimum depth of 3 inches.

Mulching Materials

Select one of the following materials and apply at the depth indicated:

1. Dry straw or hay shall be applied at a depth of 2 to 4 inches providing complete soil coverage. One advantage of this material is easy application.

2. Wood waste (chips, sawdust or bark) shall be applied at a depth of 2 to 3 inches. Organic material from the clearing stage of development should remain on site, be chipped, and applied as mulch. This method of mulching can greatly reduce erosion control costs.

3. Outback asphalt (slow curing) shall be applied at 1200 gallons per acre (or 1/4 gallon per sq.yd.).

4. Polyethylene film shall be secured over banks or stockpiled soil material for temporary protection. This material can be salvaged and reused.

Applying Mulch

When mulch is used without seeding, mulch shall be applied to provide full coverage of the exposed area.

1. Dry straw or hay mulch and wood chips shall be applied uniformly by hand or by mechanical equipment.

2. If the area will eventually be covered with perennial vegetation, 20-30 pounds of nitrogen per acre in addition to the normal amount shall be applied to offset the uptake of nitrogen caused by the decomposition of the organic mulches.

3. Outback asphalt shall be applied uniformly. Care should be taken in areas of pedestrian traffic due to problems of tracking in" or damage to shoes, clothing, etc.

4. Apply polyethylene film on exposed areas.

Anchoring Mulch

1. Straw or hay mulch can be pressed into the soil with a disk harrow with the disk set straight or with a special "packer disk." Disks may be smooth or serrated and should be 20 inches or more in diameter and 8 to 12 inches apart. The edges of the disk should be dull enough not to cut the mulch but to press it into the soil leaving much of it in an erect position. Straw or hay mulch shall be anchored immediately after application.

2. Straw or hay mulch spread with special blower-type equipment may be anchored with emulsified asphalt (Grade AB-5 or SS-1). The asphalt emulsion shall be sprayed onto the mulch as it is ejected from the machine. Use

100 gallons of emulsified asphalt and 100 gallons of water per ton of mulch. Tackifiers and binders can be substituted for emulsified asphalt. Please refer to specification Tb-Tackifiers and Binders. Plastic mesh or netting with mesh no larger than one inch by one inch shall be installed according to manufacturer's specifications.

2. Netting of the appropriate size shall be used to anchor wood waste. Openings of the netting shall not be larger than the average size of the wood waste chips.

3. Polyethylene film shall be anchor trenched at the top as well as incrementally as necessary.

Ds1  
DISTURBED AREA  
STABILIZATION (WITH  
MULCHING ONLY)

DEFINITION

The establishment of temporary vegetative cover with fast growing seedlings for seasonal protection on disturbed or denuded areas.

CONDITIONS

Temporary grassing, instead of mulch, can be applied to rough graded areas that will be exposed for less than six months. Temporary vegetative measures should be coordinated with permanent measures to assure economical and effective stabilization. Most types of temporary vegetation are ideal to use as companion crops until the permanent vegetation is established.

SEEDING RATES FOR  
TEMPORARY SEEDING

SPECIES	RATE Per 1,000 sq.ft.	RATE Per Acre*	PLANTING DATES**
Rye	3.9 pounds	3 bu.	9/1-3/1
Ryegrass	0.9 pound	40 lbs.	8/15-4/1
Annual Lespedeza	0.9 pound	40 lbs.	1/15-3/15
Weeping Lovegrass	0.1 pound	4 lbs.	2/15-6/15
Sudangrass	1.4 pounds	60 lbs.	3/1-8/1
Browntop Millet	0.9 pound	40 lbs.	4/1-7/15
Wheat	4.1 pounds	3 bu.	9/15-2/1

\* Unusual site conditions may require heavier seeding rates

\*\* Seeding dates may need to be altered to fit temperature variations and conditions.

Ds2  
DISTURBED AREA STABILIZATION  
(WITH TEMPORARY SEEDING)

SPECIFICATIONS

Grading and Shaping

Excessive water run-off shall be reduced by properly designed and installed erosion control practices such as closed drains, ditches, dikes, diversions, sediment barriers and others.

No shaping or grading is required if slopes can be stabilized by hand-seeded vegetation or if hydraulic seeding equipment is to be used.

Seedbed Preparation

When a hydraulic seeder is used, seedbed preparation is not required. When using conventional or handseeding, seedbed preparation is not required if the soil material is loose and not sealed by rainfall.

When soil has been sealed by rainfall or consists of smooth cut slopes, the soil shall be pitted, trenched or otherwise scarified to provide a place for seed to lodge and germinate.

Lime and Fertilizer

Agricultural lime is required unless soil tests indicate otherwise. Apply agricultural lime at a rate of one ton per acre. Graded areas require lime application. Soils can be tested to determine if fertilizer is needed. On reasonably fertile soils or soil material, fertilizer is not required. For soils with very low fertility, 500 to 700 pounds of 10-10-10 fertilizer or the equivalent per acre (12-16 lbs./1,000 sq. ft.) shall be applied. Fertilizer should be applied before land preparation and incorporated with a disk, ripper or chisel.

Seeding

Select a grass or grass-legume mixture suitable to the area and season of the year. Seed shall be applied uniformly by hand, cyclone seeder, drill, cultipacker seeder, or hydraulic seeder (slurry including seed and fertilizer). Drill or cultipacker seeders should normally place seed one-quarter to one-half inch deep. Appropriate depth of planting is ten times the seed diameter. Soil should be "raked" lightly to cover seed with soil if seeded by hand.

Mulching

Temporary vegetation can, in most cases, be established without the use of mulch. Mulch without seeding should be considered for short term protection. Refer to Ds1 - Disturbed Area Stabilization (With Mulching Only).

Irrigation

During times of drought, water shall be applied at a rate not causing runoff and erosion. The soil shall be thoroughly wetted to a depth that will insure germination of the seed. Subsequent applications should be made when needed.

LICENSE:

LAGRANGE SKATE PLAZA  
CITY OF LAGRANGE, GA

PROJECT:

SHEET TITLE:

CONSTRUCTION DETAILS

ISSUE DATE:

03-2018

DRAWN BY:

Stantec

CHECKED BY:

Stantec

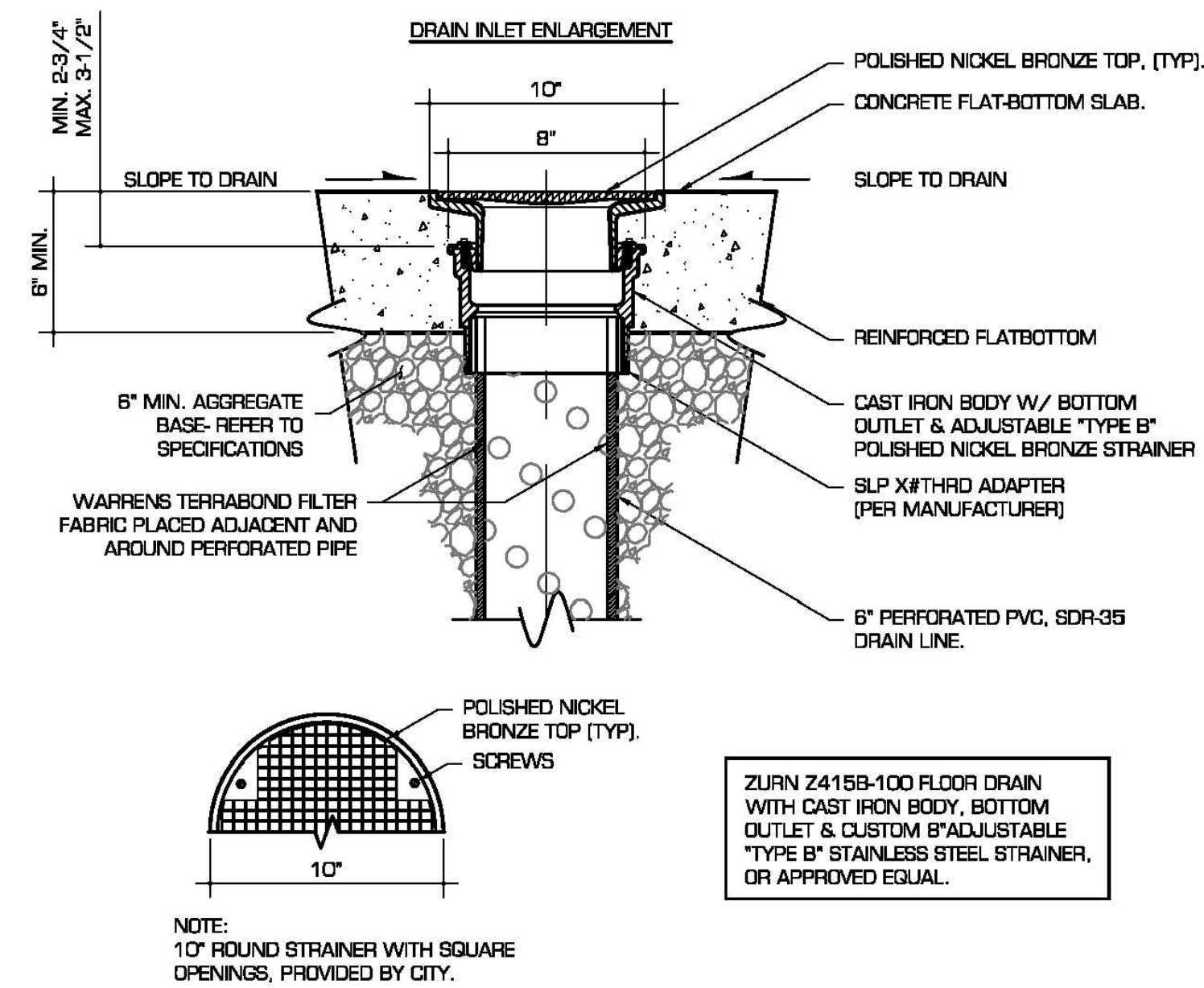
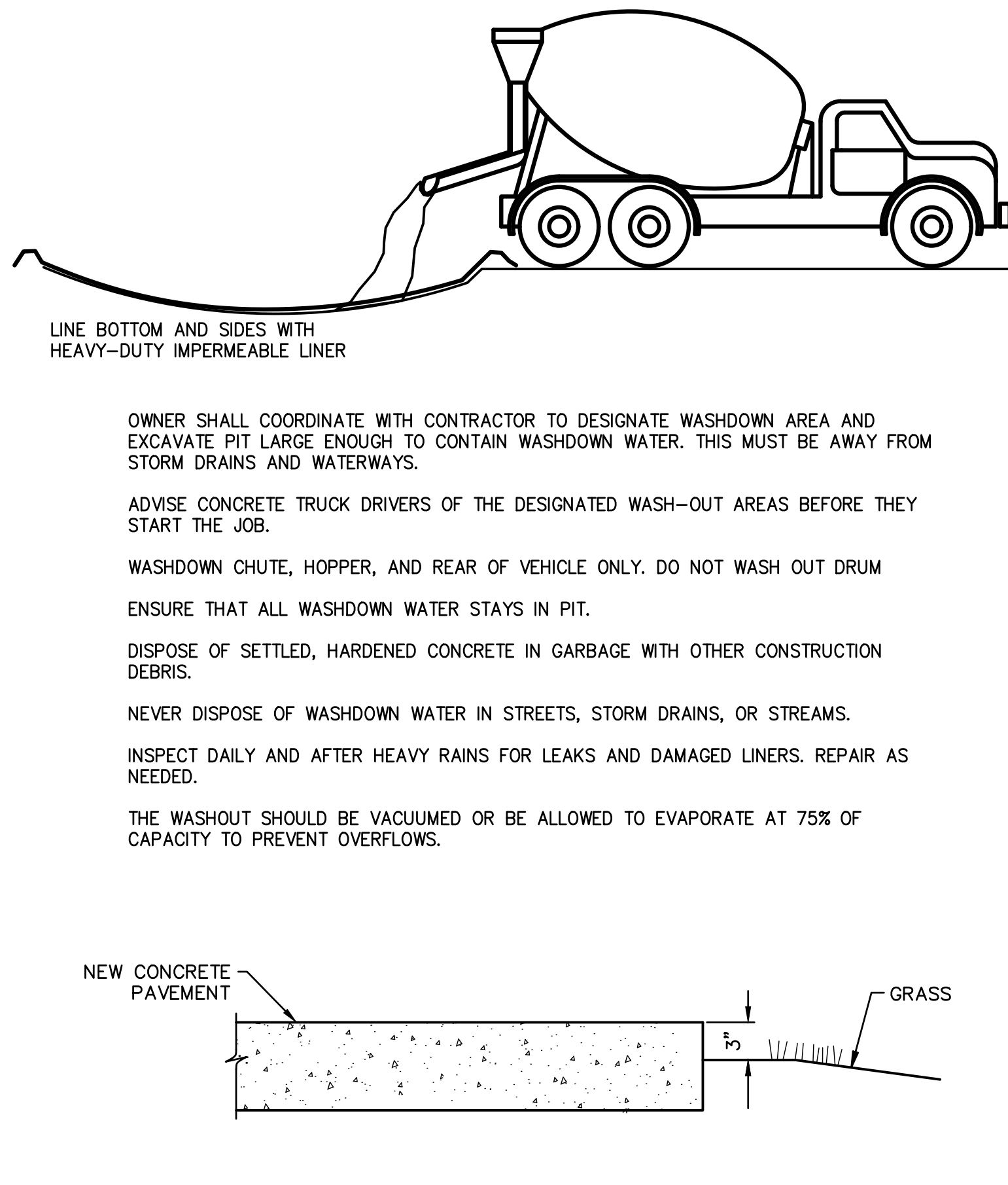
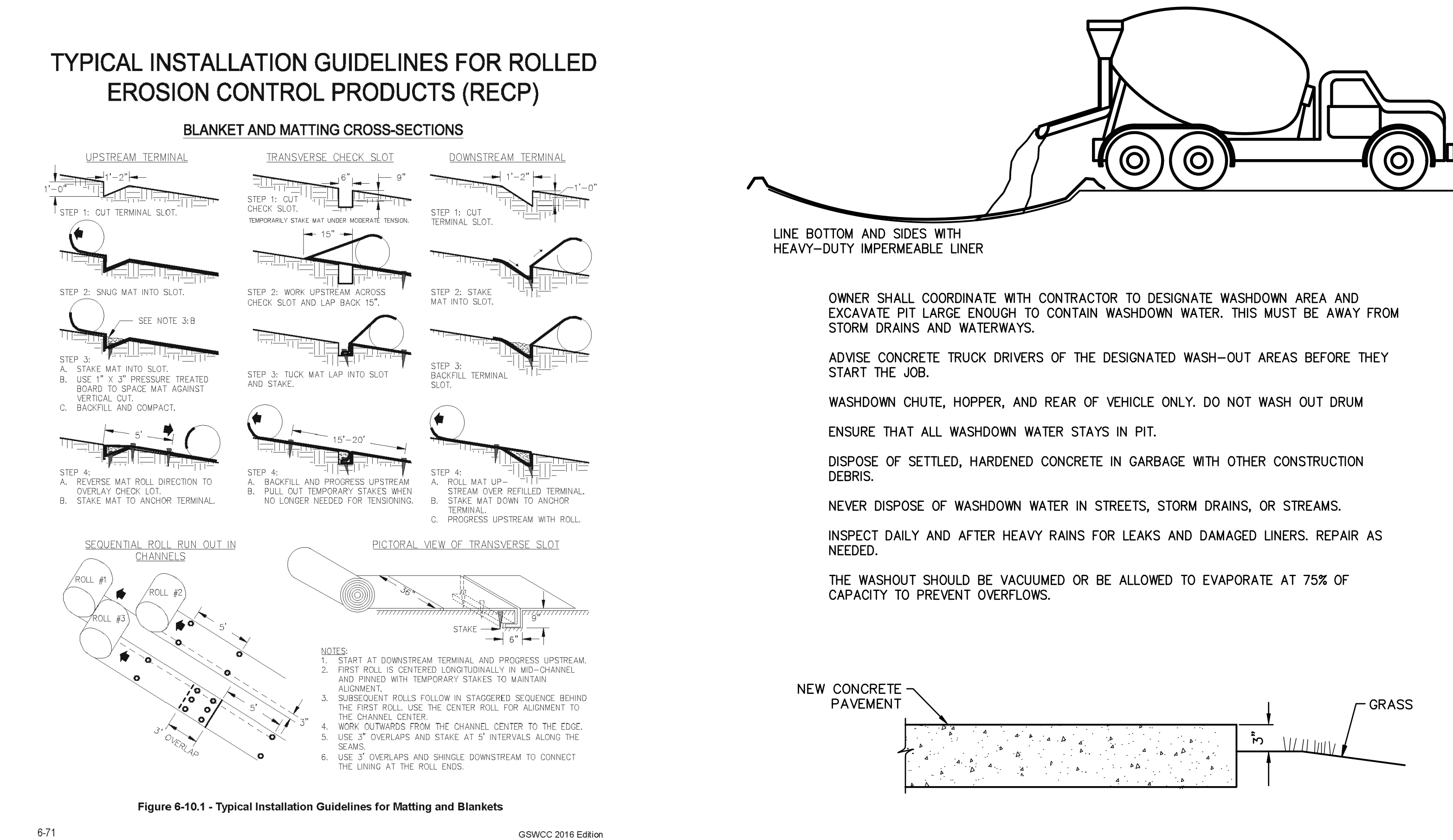
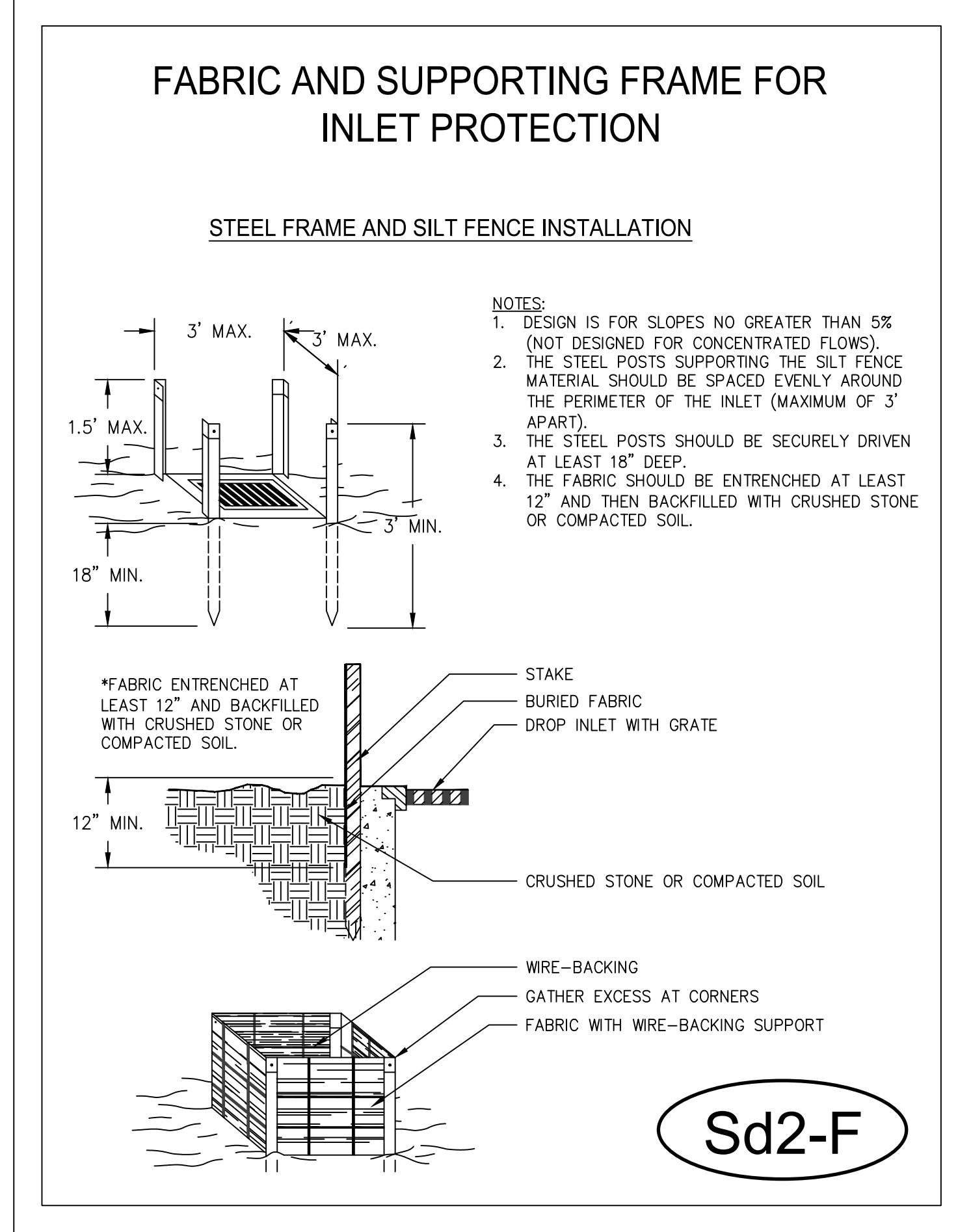
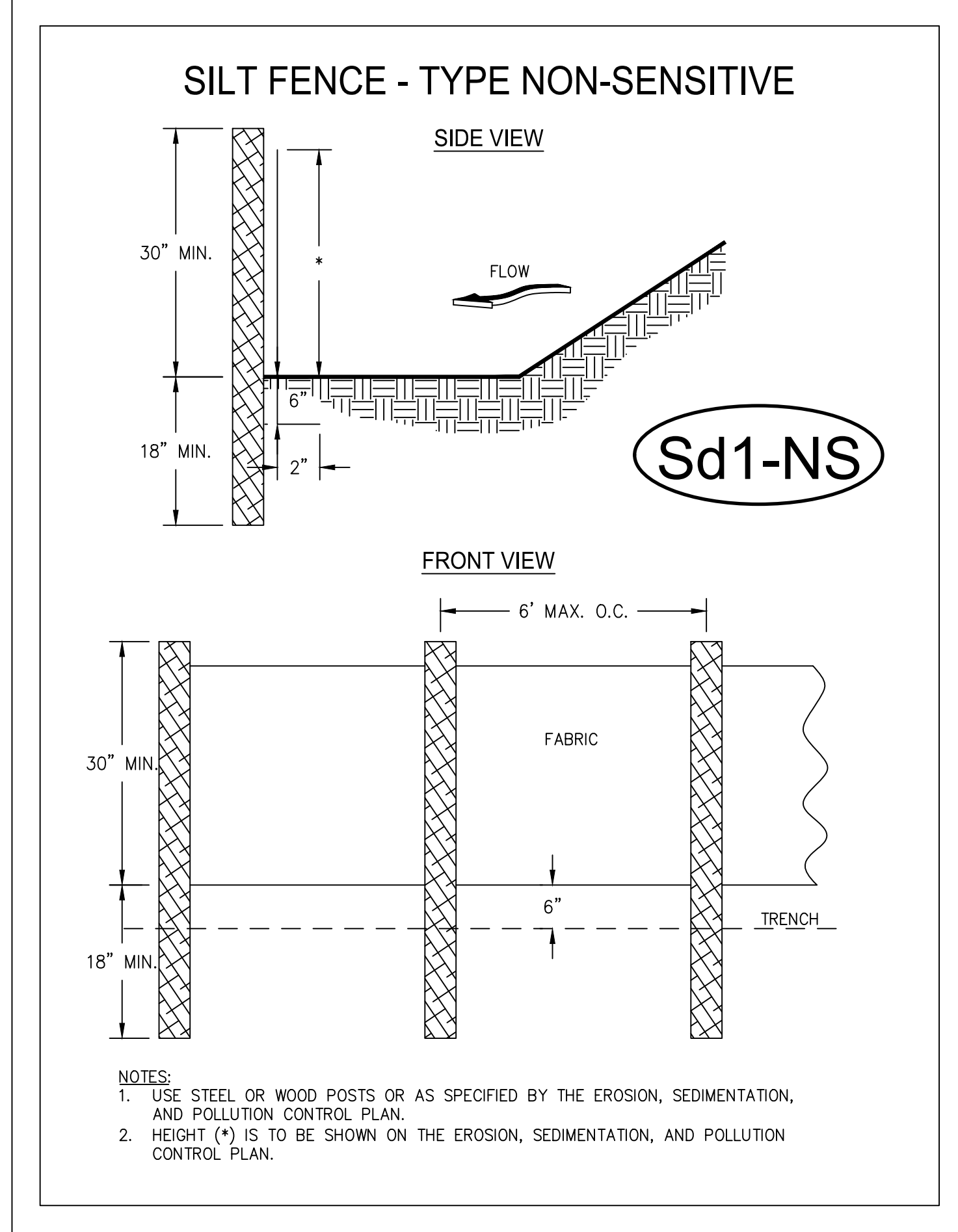
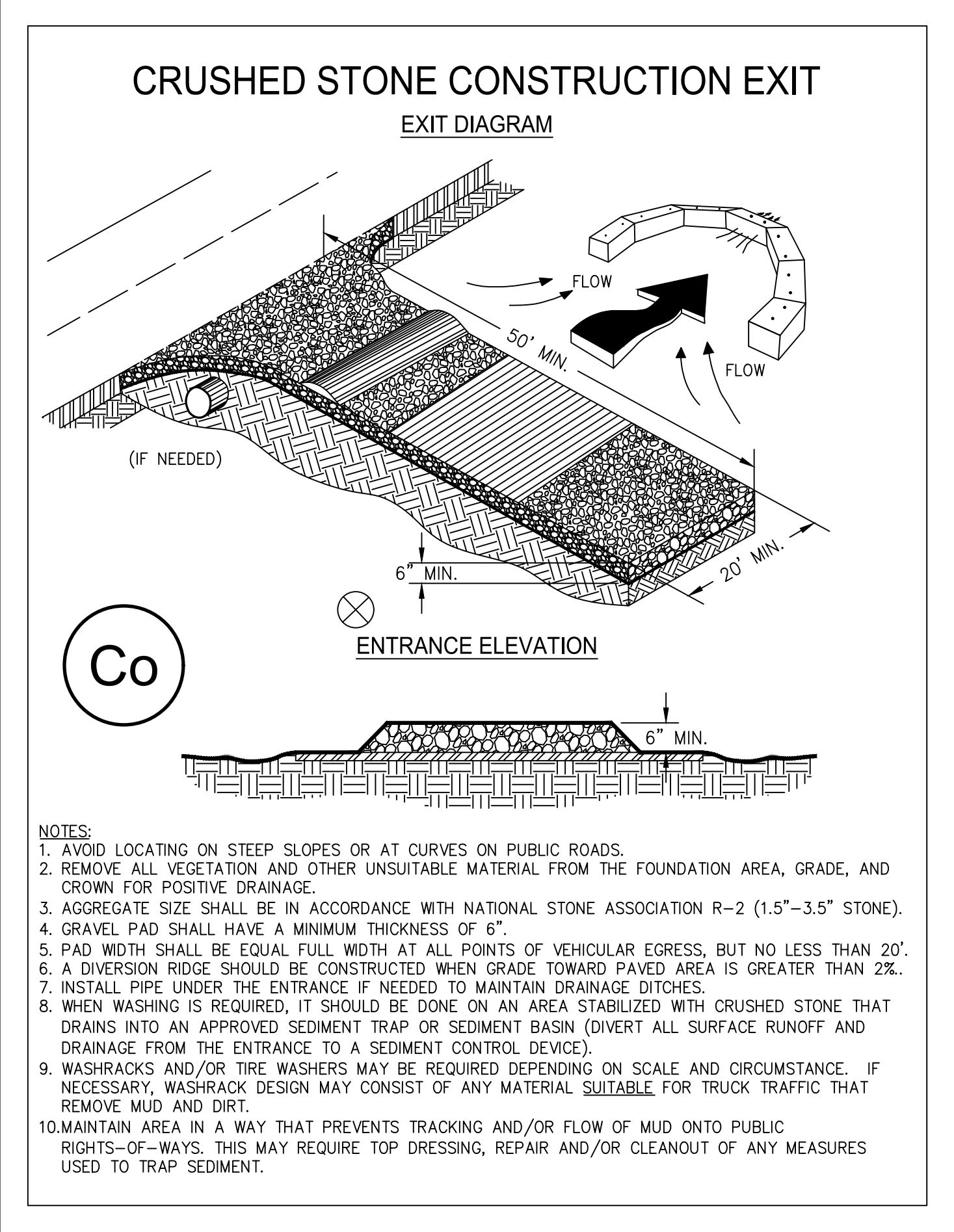
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SHEET NUMBER:

C5.2





LICENSE:

LAGRANGE SKATE PLAZA  
CITY OF LAGRANGE, GA

GENERAL NOTES  
CONSTRUCTION DETAILS

PROJECT:

SHEET TITLE:

ISSUE DATE:

03-2018

DRAWN BY:

Stantec

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Stantec

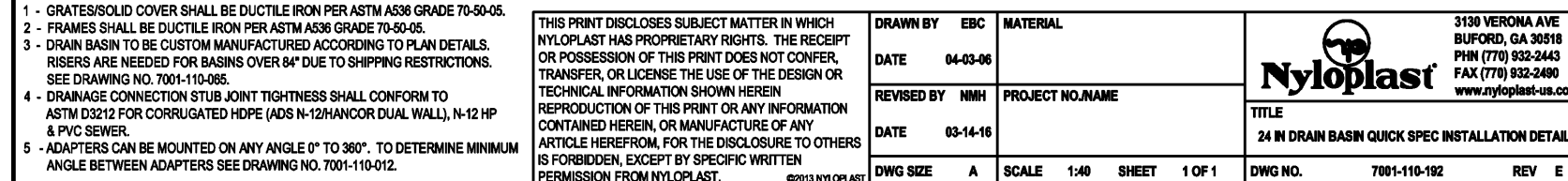
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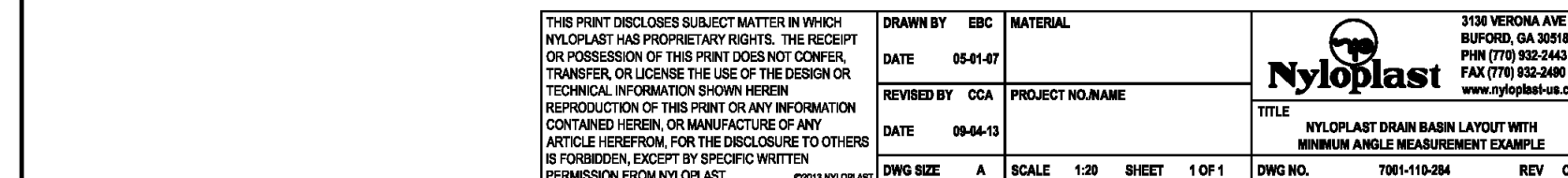
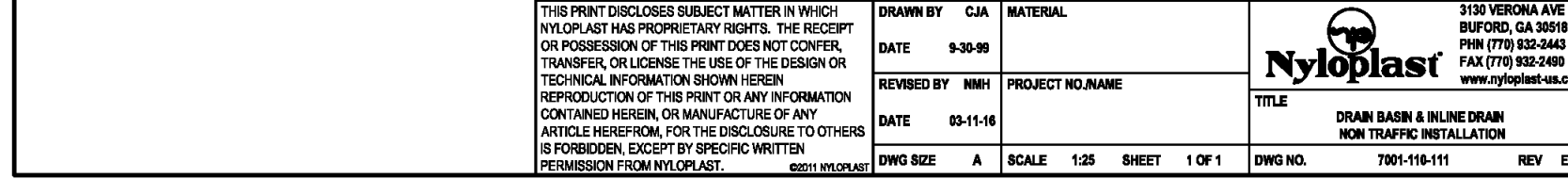
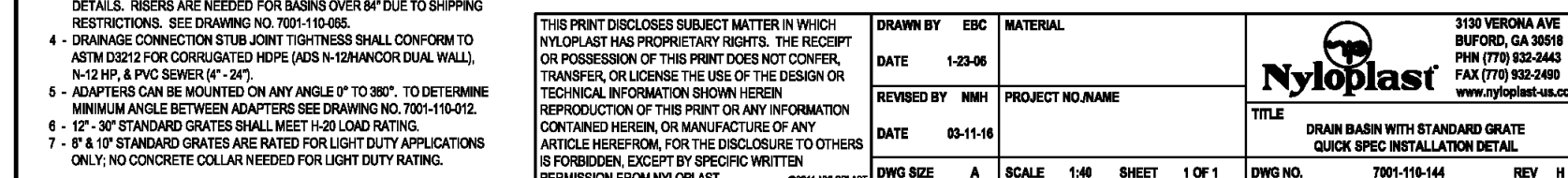
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C5.3





BACKFILL MAY BE SELECT OR EXISTING EXCAVATED MATERIAL COMPACTED ACCORDING TO SPECIFICATIONS.



**LICENSE:**

LAGRANGE SKATE PLAZA  
CITY OF LAGRANGE, GA

## GENERAL NOTES ☐

## CONSTRUCTION DETAILS

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ISSUE DATE:

03-2018

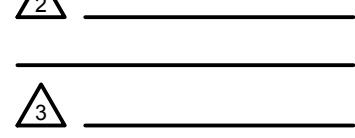
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## C5.4



SKATE PARK-DESIGN CRITERIA

THESE GENERAL STRUCTURAL NOTES APPLY UNLESS OTHERWISE NOTED.

CODE: COMPLY WITH 2000 INTERNATIONAL BUILDING CODE, AS AMENDED BY THE CITY OF LAGRANGE AND/OR TROOP COUNTY.

SEISMIC: SEISMIC USE GROUP Sds = 25.2 SPECTRAL RESPONSE: Sd1 = 10.9

SITE CLASS "D"

WIND: 3-SECOND GUST WIND SPEED 90 M.P.H. IMPORTANCE FACTOR I = 1.0 WIND EXPOSURE "C"

SKATE PARK-STRUCTURAL NOTES

1. SPECIAL STRUCTURAL INSPECTION

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

- 1.2 SCHEDULING OF SPECIAL STRUCTURAL INSPECTIONS:
- 1.2.1 THE CONTRACTOR SHALL ALLOW A MINIMUM OF 24 HOURS NOTIFICATION FOR THE SCHEDULING OF SPECIAL STRUCTURAL INSPECTIONS.

2. FOUNDATIONS

- 2.1 REFER TO GEOTECHNICAL REPORT FOR FOOTING DEPTHS, ETC.

2.2 THE STRUCTURAL ENGINEER IS NOT RESPONSIBLE FOR ANY GEOTECHNICAL ASPECTS OF THIS PROJECT. THE CONTRACTOR SHALL EMPLOY A REGISTERED GEOTECHNICAL ENGINEER TO PERFORM THE NECESSARY TESTING AND QUALITY CONTROL ENSPECTIONS TO ENSURE THAT THE REQUIREMENTS OF THE SOILS REPORT ARE COMPLIED WITH.

3. REINFORCING

- 3.1 SECURELY TIE ALL REBAR, INCLUDING DOWELS, IN LOCATION BEFORE PLACING CONCRETE OR GROUT.
- 3.2 WHERE REINFORCING IS SHOWN CONTINUOUS THRU CONSTRUCTION JOINTS, LENTON FORM SAVERS DOWEL BAR SPLICE DEVICES AS MANUFACTURED BY ERICO PRODUCTS, INC. (ICBO #3967) OR EQUIVALENT MAY BE USED. DEVICES SELECTED SHALL DEVELOP AT LEAST 125 PERCENT OF THE TENSION OR COMPRESSION BAR YIELD STRENGTH PER E.S. REPORT.

4. STRUCTURAL STEEL

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

5. STRUCTURAL STEEL & REINFORCEMENT WELDING

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

6. SUPPLEMENTARY NOTES

- 6.1 THESE CONTRACT DOCUMENTS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE, WORKERS, AND OTHER PERSONS DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, MEANS AND METHODS, BRACING, SHORING, FORMS, SCAFFOLDING, GUYING OR OTHER MEANS TO AVOID EXCESSIVE STRESSES AND TO HOLD STRUCTURAL ELEMENTS IN PLACE DURING CONSTRUCTION. OBSERVATION VISITS TO THE SITE BY THE STRUCTURAL ENGINEER OR STRUCTURAL OBSERVERS SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS.
- 6.2 REINFORCING OR THREADED RODS DRILLED AND EPOXIED INTO EXISTING CONCRETE AS DETAILED ON THE DRAWINGS SHALL BE ONE OF THE FOLLOWING OR APPROVED EQUIVALENT:
- 6.2.1 HILTI RE-500 SD - ICC ESR-2322
- 6.2.2 SIMPSON SET-XP - ICC ESR-2508
- 6.2.3 POWERS PE1000+ - ICC ESR-2583

6.3 INSTALLATION OF EPOXIED DOWELS SHALL FOLLOW THE STRICT RECOMMENDATIONS OF THE MANUFACTURER AND THE APPLICABLE ICBO REPORT AND HAVE A MINIMUM 9 DIAMETERS EMBEDMENT

6.4 INSTALLATION SHALL FOLLOW THE STRICT RECOMMENDATIONS OF THE MANUFACTURER AND THE APPLICABLE ICBO REPORT. CONTRACTOR SHALL HAVE APPROPRIATE ICBO REPORT ON-SITE DURING ALL INSTALLATIONS.

6.5 ANY ENGINEERING DESIGN PROVIDED BY CONTRACTOR OR OTHERS AND SUBMITTED FOR REVIEW SHALL BE BY AN INSURED LICENSED STRUCTURAL ENGINEER WITH CONTINUOUS FIVE YEARS OF EXPERIENCE IN THE TYPE OF DESIGN SUBMITTED.

SKATE PARK-GENERAL CONSTRUCTION NOTES

1. GENERAL

- 1.1 CONSIDER GENERAL NOTES AS APPLYING TO ALL DRAWINGS.
- 1.2 NOTIFY SKATE PARK DESIGNER OF ANY DISCREPANCIES TO THESE PLANS.
- 1.3 PERFORM ALL WORK IN ACCORDANCE WITH ALL APPLICABLE NATIONAL, STATE AND/OR LOCAL BUILDING CODES.

1.4 THE SKATE PARK DESIGNER SHALL HAVE NO CONTROL OR CHARGE OF, NOR BE RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES, SAFETY PRECAUTIONS, AND PROGRAMS IN CONNECTION WITH THE WORK, THE ACTS OR OMISSIONS OF THE CONTRACTOR, SUBCONTRACTOR, OR ANY PERSONS PERFORMING ANY OF THE WORK OR FOR THE FAILURE OF ANY OF THEM TO CARRY OUT THE WORK IN CONFORMANCE WITH THE CONTRACT DOCUMENTS.

1.5 PROVIDE SPECIAL INSPECTION AS REQUIRED BY BUILDING CODES FOR THE FOLLOWING ITEMS:

- 1.5.1 PLACEMENT OF REINFORCING STEEL.
- 1.5.2 TAKING OF TEST SPECIMENS AND PLACING OF ALL CONCRETE.
- 1.5.3 BOLTS IN CONCRETE.
- 1.5.4 TAKING OF TEST SPECIMENS AND PLACING OF ALL SHOTCRETE.

1.6 THE CONTRACTOR SHALL WARRANTY ALL OF THEIR WORK DURING CONSTRUCTION AND A MINIMUM OF ONE YEAR AFTER THE PROJECT IS ACCEPTED AS COMPLETE.

1.7 THE METRIC EQUIVALENT "[I]" DIMENSIONS ARE SHOWN FOR REFERENCE ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY THEIR ACCURACY.

2. CONCRETE WORK

2.1 CONCRETE MIXES SHALL BE DESIGNED BY A TESTING LABORATORY AND APPROVED BY THE SKATE PARK ARCHITECT. MIXES SHALL CONFORM TO APPLICABLE BUILDING CODE REQUIREMENTS, REGARDLESS OF OTHER MINIMUM REQUIREMENTS SPECIFIED HEREIN OR ON THE DRAWINGS. MIX DESIGNS SHALL BE SUBMITTED TO THE SKATE PARK DESIGNER FOR APPROVAL BEFORE USE. DESIGNS SHALL SHOW PROPORTIONS OF CEMENT, FINE AND COARSE AGGREGATES AND WATER, AND GRADATION OF COMBINED AGGREGATES.

2.2 CEMENT: ASTM C150. CEMENT SHALL BE OF SAME BRAND, TYPE AND SOURCE THROUGHOUT PROJECT. WHERE AGGREGATES ARE POTENTIALLY REACTIVE, USE LOW ALKALI CEMENT.

2.3 AGGREGATES SHALL CONFORM TO ASTM C33.

2.4 NO ADMIXTURES WITHOUT APPROVAL. ADMIXTURES CONTAINING CHLORIDES SHALL NOT BE USED. CONCRETE SHALL NOT BE IN CONTACT WITH ALUMINUM.

2.5 CONCRETE MIX DESIGN - CAST-IN-PLACE

2.5.1 PROVIDE MIX DESIGNS THAT WILL MEET THE MINIMUM REQUIREMENTS LISTED BELOW. INCREASE CEMENT CONTENT OVER THAT SHOWN, IF REQUIRED TO OBTAIN THE COMPRESSIVE STRENGTH:

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

2.6 CONCRETE MIX DESIGN - SHOTCRETE

2.6.1 ACI STANDARD 506, LATEST EDITION, "SPECIFICATION FOR MATERIALS, PROPORTIONING AND APPLICATION OF SHOTCRETE" AND ACI 506.2, LATEST EDITION, "RECOMMENDED PRACTICES FOR SHOTCRETE" SHALL BE FOLLOWED.

2.6.2 MIX DESIGNS FOR SHOTCRETE CONTAINING FLY ASH SHALL BE BY AN INDEPENDENT TESTING LABORATORY. ONLY ASTM C618 CLASS F FLY ASH SHALL BE USED. THE AMOUNT OF FLY ASH USED SHALL NOT EXCEED 20 PERCENT BY WEIGHT OF THE COMBINED WEIGHT OF FLY ASH PLUS CEMENT.

2.6.3 PROVIDE MIX DESIGNS THAT WILL MEET THE MINIMUM REQUIREMENTS LISTED BELOW. INCREASE CEMENT CONTENT OVER THAT SHOWN, IF REQUIRED TO OBTAIN THE COMPRESSIVE STRENGTH:

MIN. 28-DAY COMPRESSIVE STRENGTH (PSI)	MIN. CEMENT CONTENT (POUNDS)	MAX. SLUMP (INCHES)	MAX. AGGREGATE SIZE (INCHES)	MAX. AIR ENTRAINING (PERCENT)
4000	600	2"	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 2000 IBC.

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

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

2.9 DURING THE CURING PERIOD, CONCRETE SHALL BE MAINTAINED AT A TEMPERATURE ABOVE 40°F AND IN MOIST CONDITION. FOR INITIAL CURING, CONCRETE SHALL BE KEPT CONTINUOUSLY MOIST FOR 24 HOURS AFTER PLACEMENT IS COMPLETE. FINAL CURING SHALL CONTINUE FOR SEVEN DAYS AFTER PLACEMENT AND SHALL CONSIST OF APPLICATION OF CURING COMPOUND PER ASTM C309. APPLY AT A RATE SUFFICIENT TO RETAIN MOISTURE, BUT NOT LESS THAN 1 GALLON [4.55l] PER 200 SQUARE FEET. COVER CONCRETE WITH POLYETHYLENE PLASTIC TO MAINTAIN TEMPERATURE IF NECESSARY. LAP SEAMS IN THE PLASTIC 6" AND TAPE, WEIGHT DOWN THE PLASTIC AS NEEDED.

2.10 THE CONTRACTOR SHALL 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 IBC SECTION 1906.

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 HOOKS ACI 318-99 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 318-99, 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. (ICBO #3967) OR EQUIVALENT MAY BE USED. SIZES AND TYPES SHALL BE SELECTED TO DEVELOP THE FULL TENSION STRENGTH OF THE BAR PER ICBO 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.

2.23 AGGREGATE BASE COURSE TO BE MIN. 6" AND SUBGRADE TO BE 95% COMPACTED NATIVE SOIL AND/OR ENGINEERED FILL. IF THESE GUIDELINES CONFLICT WITH THE GEO-TECHNICAL REPORT, THE CONTRACTOR SHALL FOLLOW THE MORE STRINGENT OF THE TWO GUIDELINES.

Stantec



9665 Granite Ridge Drive  
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San Diego, CA 92123  
Tel. 658.633.4233  
www.stantec.com

LICENSE:

LAGRANGE SKATE PLAZA  
CITY OF LAGRANGE, GA

SKATE PARK- NOTES

PROJECT:

SHEET TITLE:

ISSUE DATE:

03-2018

DRAWN BY:

CC / MS / TB

CHECKED BY:

KR

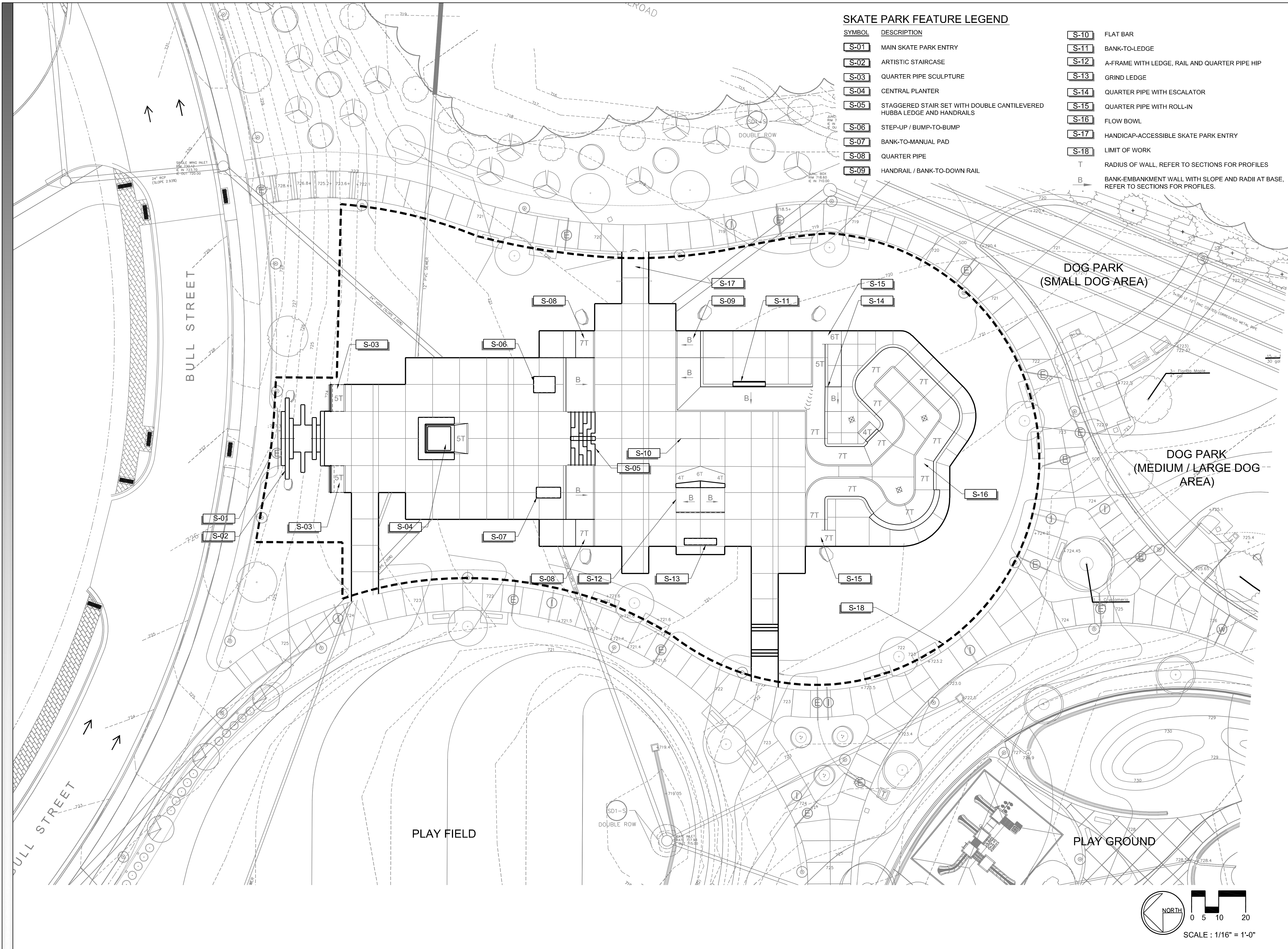
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SHEET NUMBER:

SP-0.1





LICENSE:

LAGRANGE SKATE PLAZA  
CITY OF LAGRANGE, GA

SKATE PARK-FEATURE PLAN

PROJECT:

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03-2018

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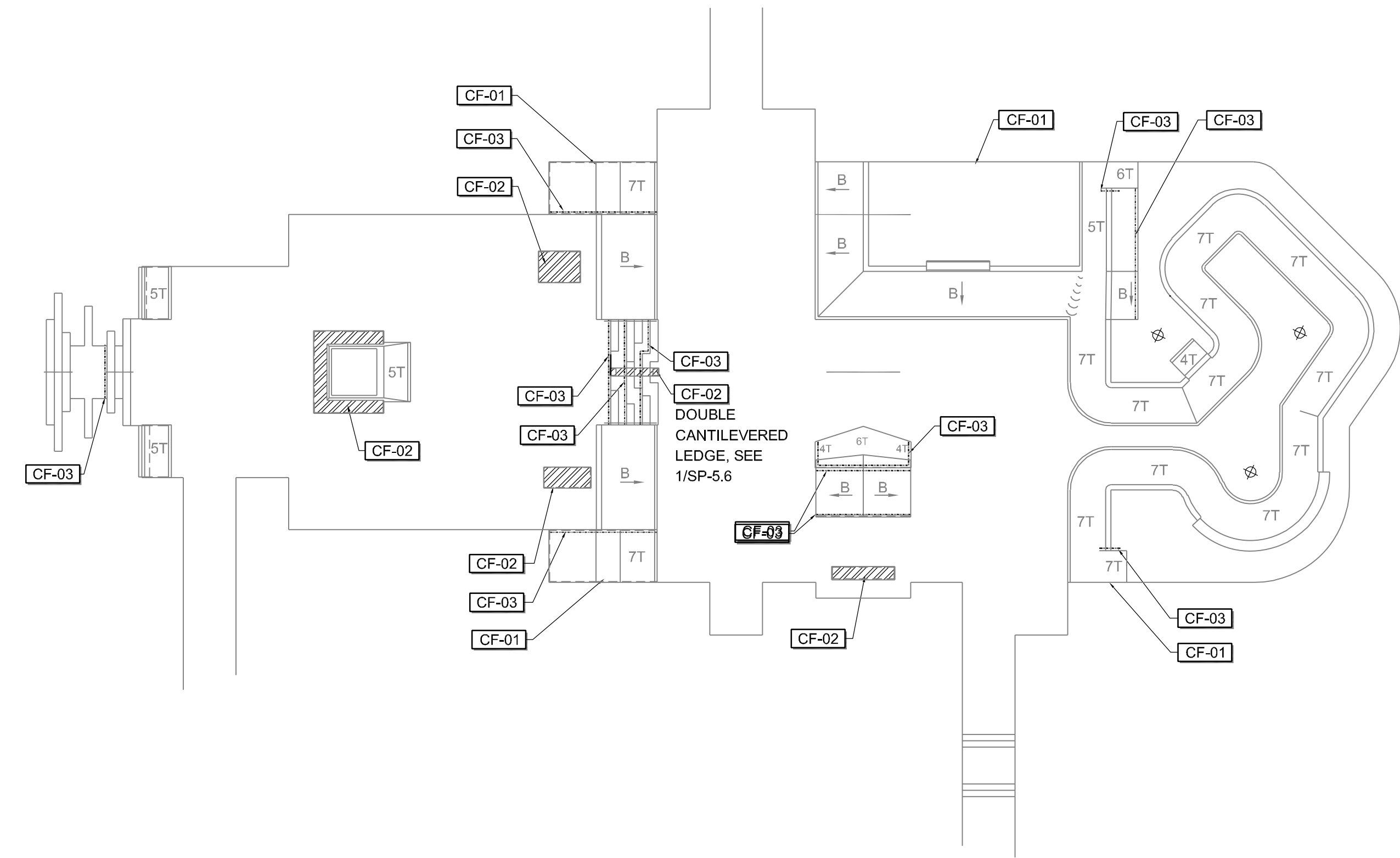
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CONCRETE FOUNDATION PLAN

### CONCRETE FOUNDATION LEGEND

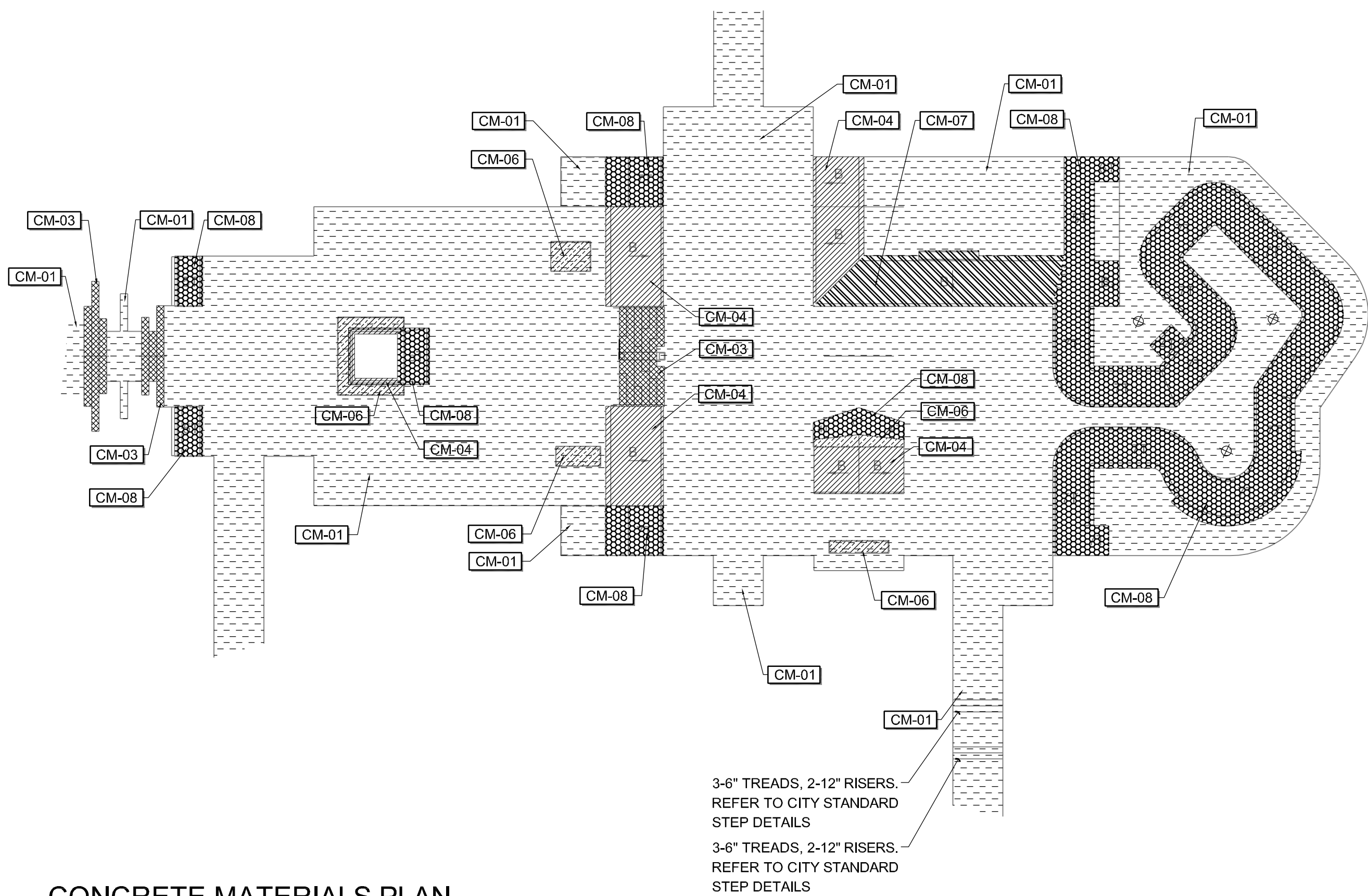
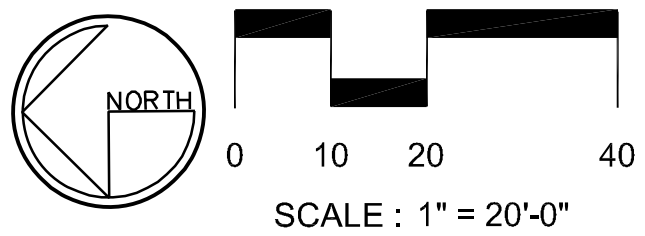
SYMBOL	DESCRIPTION	DETAIL	STRENGTH	CURE TIME	FINISH
	CF-01 TURNDOWN WALL ADJACENT TO GRADE	7/SP-5.3	4,000 P.S.I.	28 DAYS	SMOOTH TROWEL
	CF-02 CAST IN PLACE LEDGE FOUNDATION	6/SP-5.2	4,000 P.S.I.	28 DAYS	SMOOTH TROWEL
	CF-03 TURNDOWN WALL ADJACENT TO DECK	6/SP-5.3	4,000 P.S.I.	28 DAYS	SMOOTH TROWEL

### CONCRETE MATERIAL NOTES

- CONTRACTOR SHALL SUBMIT POUR SCHEDULE FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT/ SKATE PARK ARCHITECT.
- CONTRACTOR SHALL SUBMIT PROPOSED START AND STOP FORM LOCATIONS FOR ALL CONCRETE WORK SHOWN FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT/ SKATE PARK ARCHITECT.
- CONTRACTOR SHALL BUILD ALL TEMPLATES AND FORMS WITH TRUE ARCS AND TANGENTS MATCHING SECTIONS AND PROFILE DIMENSIONS WITHIN THE CONSTRUCTION DOCUMENTS.
- CONTRACTOR SHALL 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 SHALL BE PERFORMED BY PRE-QUALIFIED CONTRACTOR ONLY AND APPROVED BY LANDSCAPE ARCHITECT/ SKATE PARK ARCHITECT.
- FINISH WORK NOT MEETING THE TOLERANCES, FINISH AND TOOLING FROM ON-SITE SAMPLES WILL BE REJECTED.

### NOTE

REFER TO SECTIONS TO VERIFY WHERE CANTILEVERED SKATE FEATURES OCCUR.



CONCRETE MATERIALS PLAN

### CONCRETE MATERIALS LEGEND

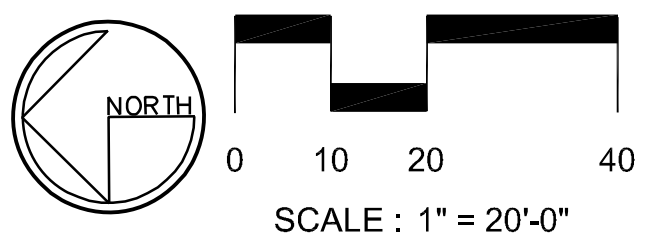
SYMBOL	DESCRIPTION	DETAIL	STRENGTH	CURE TIME	FINISH
	CM-01 5" CONCRETE DECK	1/SP-5.1	4,000 P.S.I.	28 DAYS	SMOOTH TROWEL
	CM-03 CAST IN PLACE STAIRS	8/SP-5.1	4,000 P.S.I.	28 DAYS	SMOOTH TROWEL
	CM-04 CAST IN PLACE BANK	9/SP-5.1	4,000 P.S.I.	28 DAYS	SMOOTH TROWEL
	CM-06 CAST IN PLACE CAPPED LEDGE	6/SP-5.2	4,000 P.S.I.	28 DAYS	SMOOTH TROWEL
	CM-07 6" SHOTCRETE BANK	6/SP-5.1	4,000 P.S.I.	28 DAYS	SMOOTH TROWEL
	CM-08 6" SHOTCRETE BOWL	5/SP-5.1	4,000 P.S.I.	28 DAYS	SMOOTH TROWEL

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LICENSE:

LAGRANGE SKATE PLAZA  
CITY OF LAGRANGE, GA

PROJECT:

SKATE PARK - CONCRETE MATERIAL  
& FOUNDATION PLAN

SHEET TITLE:

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03-2018

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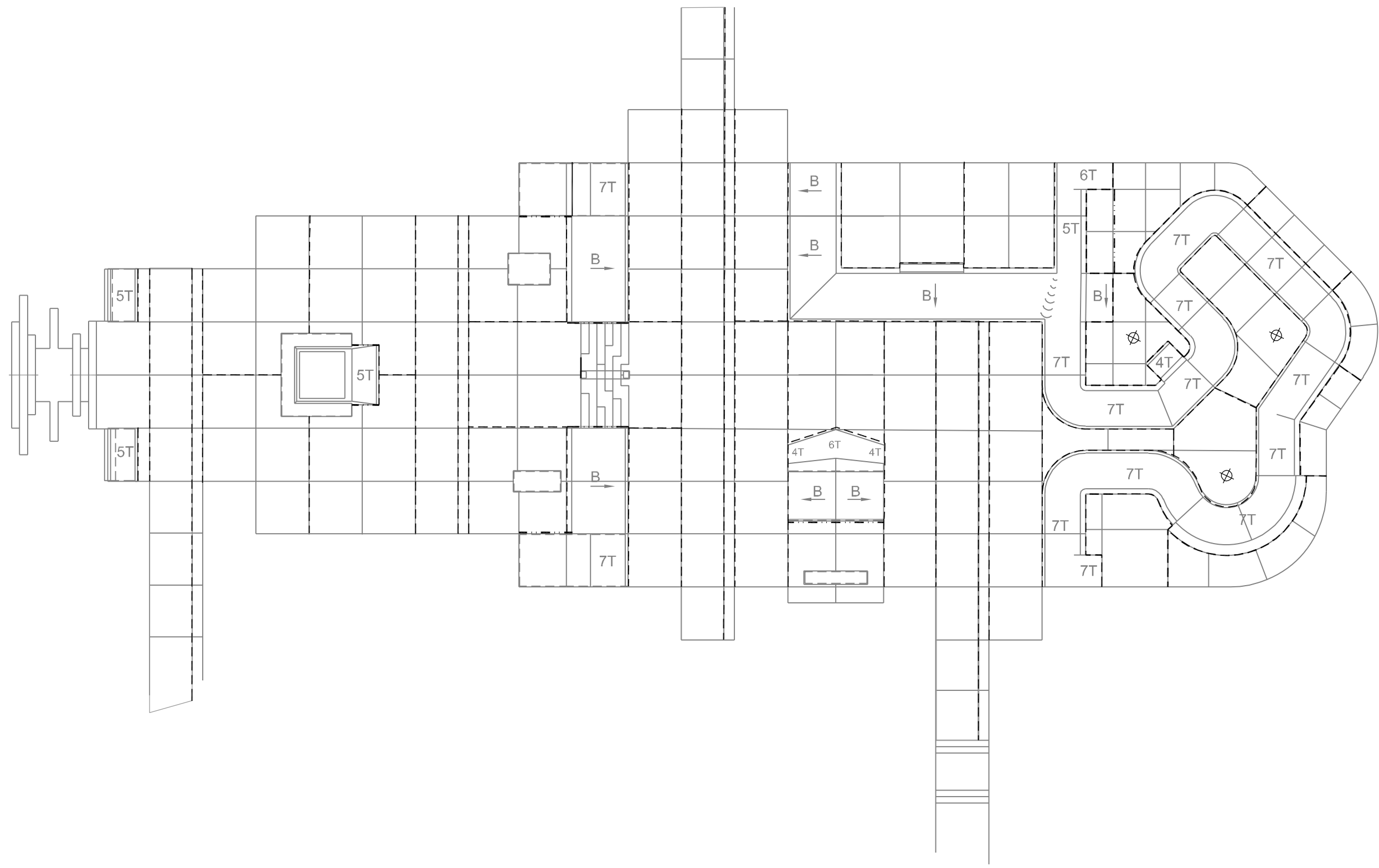
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SHEET NUMBER:

SP-1.2





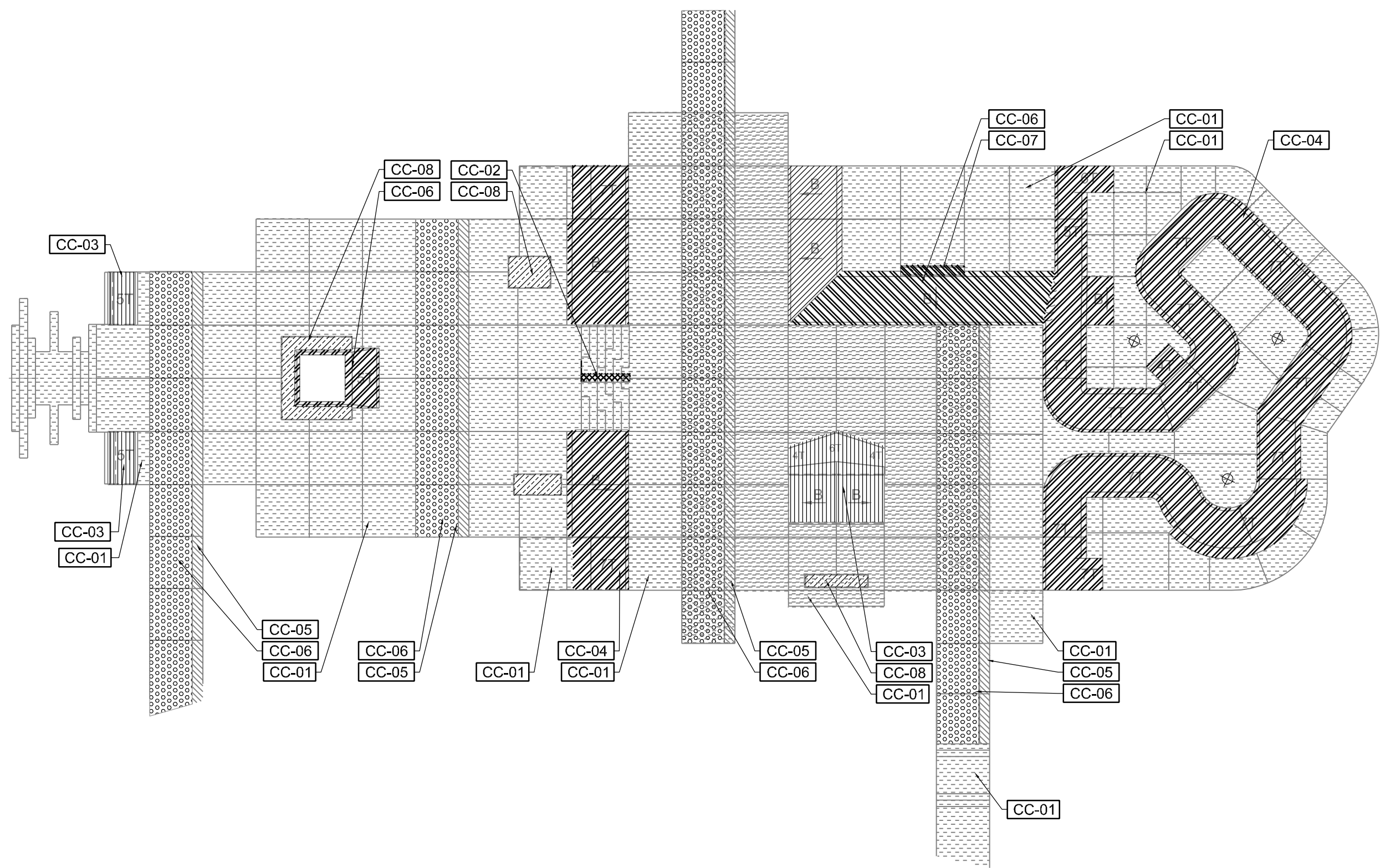
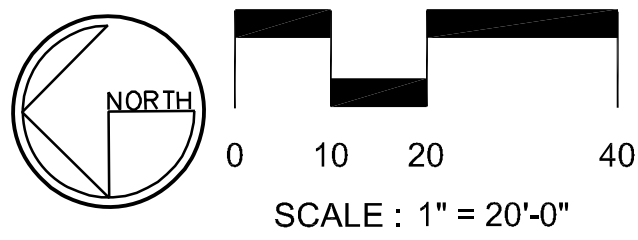
CONCRETE JOINTING PLAN

CONCRETE JOINTING LEGEND

SYMBOL	DESCRIPTION	DETAIL
	C.J. - CONSTRUCTION JOINT	2/SP-5.3
	S.J. - SAWCUT JOINT	1/SP-5.3
	E.J. - EXPANSION JOINT	5/SP-5.3

CONCRETE JOINTING NOTES

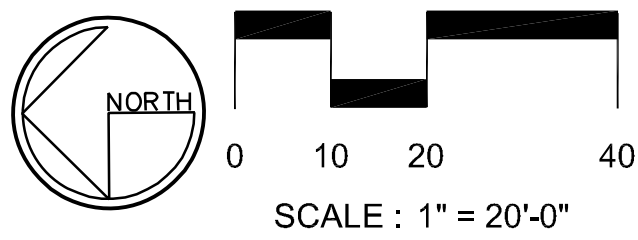
- CONSTRUCT JOINTS TRUE TO LINE WITH FACES PERPENDICULAR TO SURFACE PLANE OF CONCRETE.
- CONSTRUCTION JOINTS: INSTALL SO STRENGTH AND APPEARANCE OF CONCRETE ARE NOT IMPAIRED, AT LOCATIONS INDICATED AND APPROVED BY LANDSCAPE ARCHITECT/ SKATE PARK ARCHITECT.
- PLACE JOINTS PERPENDICULAR TO MAIN REINFORCEMENT. CONTINUE REINFORCEMENT ACROSS CONSTRUCTION JOINTS, UNLESS OTHERWISE INDICATED.
- 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.
- ALL CONTROL JOINTS SHALL BE SEALED PER REFERENCED DETAILS.
- CLEAN ALL JOINTS THOROUGHLY DEBRIS AND DUST FREE PRIOR TO ANY SEALANT APPLICATION.
- CONCRETE MUST BE CURED TO SPECIFIED STRENGTH PRIOR TO APPLYING SEALANT.
- CONTRACTOR MUST SUBMIT A POUR SCHEDULE DESIGNATING ALL START AND STOP FORM LOCATIONS PRIOR TO START OF CONSTRUCTION.
- THE JOINTING PLAN IS DIAGRAMMATIC IN NATURE. CONTRACTOR TO APPLY ADDITIONAL JOINTING AND CRACK PREVENTION MEASURES AS NECESSARY.



CONCRETE COLOR PLAN

CONCRETE COLOR LEGEND

SYMBOL	DESCRIPTION	PIGMENT # / MANUFACTURER	NOTES
	CC-01 NATURAL GRAY	N/A	N/A
	CC-02 GRAPHITE CAP AND TILE RED/COBBLESTONE BASE	# 5447 DAVIS COLORS OR APPROVED EQUAL	INTEGRAL COLOR TYPE II CONCRETE
	CC-03 MESA BUFF BANK CAP AND COBBLESTONE BANK BASE	# 5447, 860 DAVIS COLORS OR APPROVED EQUAL	INTEGRAL COLOR TYPE II CONCRETE
	CC-04 MESA BUFF	# 5447 DAVIS COLORS OR APPROVED EQUAL	INTEGRAL COLOR TYPE II CONCRETE
	CC-05 TILE RED / COLOR TO MATCH CITY LOGO 'RED'	#1117 DAVIS COLORS OR APPROVED EQUAL	INTEGRAL COLOR TYPE II CONCRETE
	CC-06 COBBLESTONE	# 860 DAVIS COLORS OR APPROVED EQUAL	INTEGRAL COLOR TYPE II CONCRETE
	CC-07 GRAPHITE	# 8084 DAVIS COLORS OR APPROVED EQUAL	INTEGRAL COLOR TYPE II CONCRETE
	CC-08 GRAPHITE CAP AND COBBLESTONE BASE	# 8084, 860 DAVIS COLORS OR APPROVED EQUAL	INTEGRAL COLOR TYPE II CONCRETE



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CITY OF LAGRANGE, GA

SKATE PARK  
CONCRETE JOINTING & COLOR PLAN

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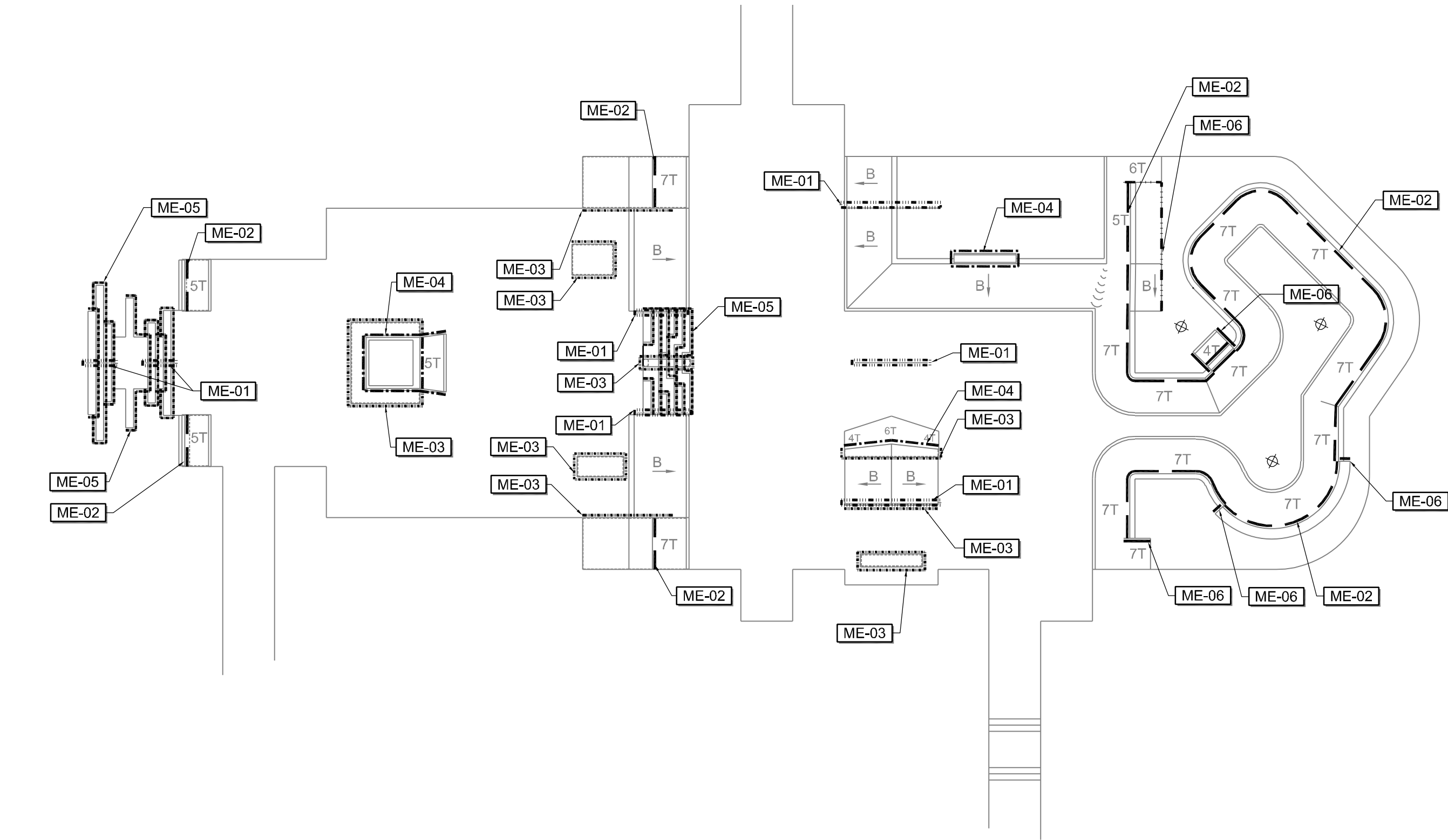
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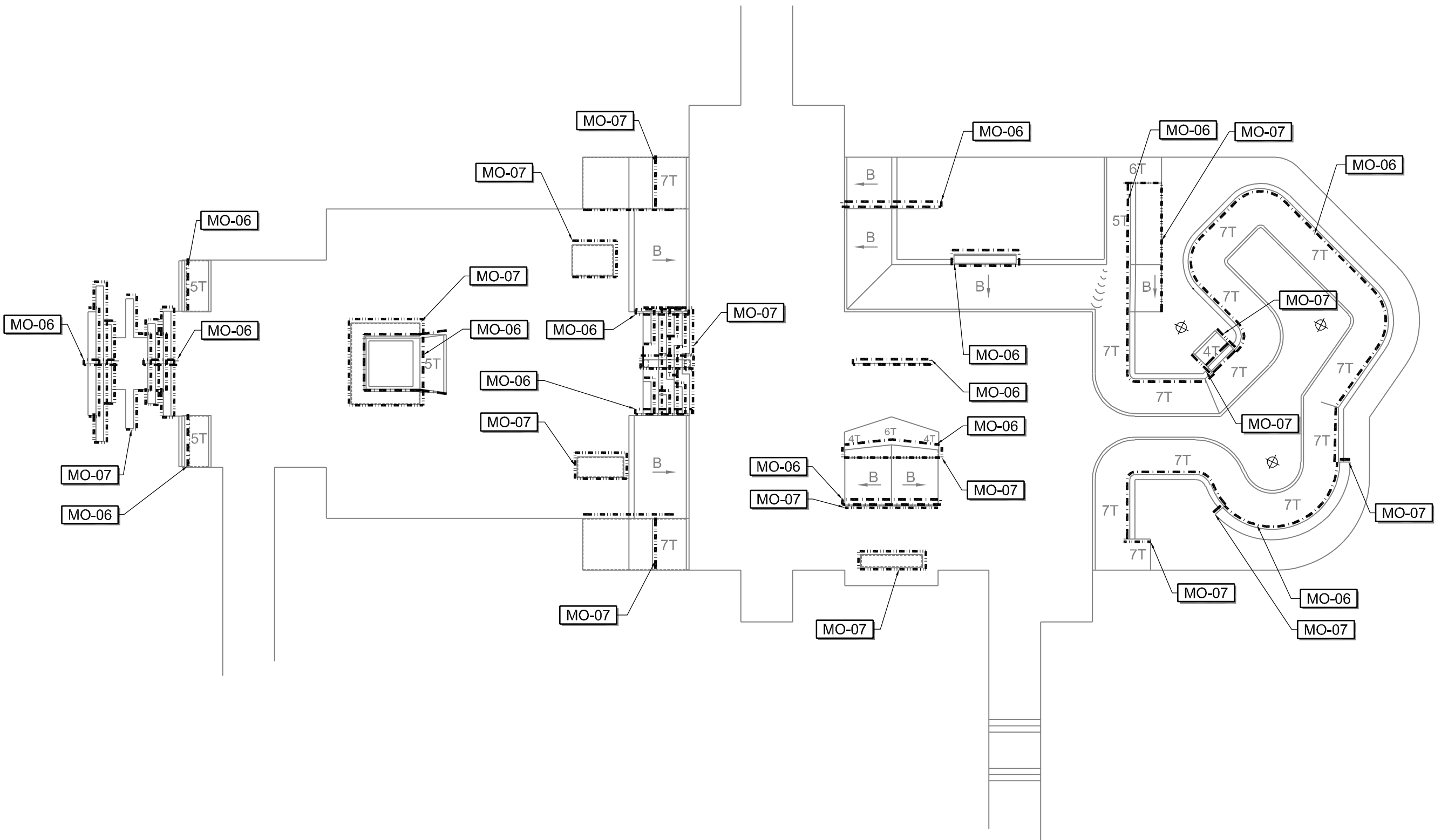
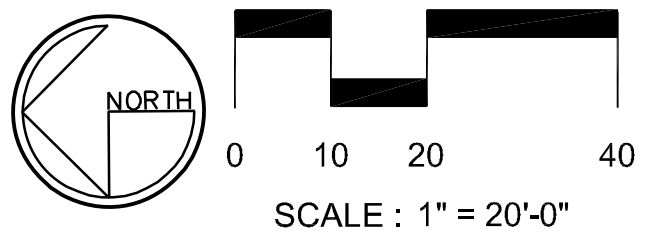
METAL MATERIALS PLAN

### METAL MATERIALS LEGEND

SYMBOL	METAL MATERIALS DESCRIPTION	DETAIL	O.D. SIZE / GAUGE	FINISH
	ME-01 ROUND STEEL PIPE RAIL & POSTS	6/SP-5.4	2 3/8" O.D., C6X8.2 - 2.375" X 0.1875"	SEE METAL COLOR PLAN
	ME-02 ROUND STEEL PIPE COPING	2/SP-5.4	2 3/8" O.D., C6X8.2 - 2.375" X 0.1875"	SEE METAL COLOR PLAN
	ME-03 C-CHANNEL LEDGE EDGING	4/SP-5.4	C6X8.2 - 2.0" X 6.0" X 0.1875"	SEE METAL COLOR PLAN
	ME-04 BENT PLATE EDGING	7/SP-5.4		SEE METAL COLOR PLAN
	ME-05 C-CHANNEL STAIR EDGING	10/SP-5.4	C6X8.2, 2.0" X 6.0" X 0.1875"	SEE METAL COLOR PLAN
	ME-06 90-DEGREE ANGLE IRON EDGING	6/SP-5.5		SEE METAL COLOR PLAN

### METALS MATERIALS NOTES

- ALL METAL FABRICATION SIZES ARE NOMINAL.
- ALL METAL FABRICATIONS SHOWN ARE TO BE EITHER HOT DIPPED GALVANIZED, PRIMED AND PAINTED OR POWDERCOATED. REFER TO SP-1.5 FOR METAL FINISHES AND/OR COLORS.
- QUALIFICATIONS OF CONTRACTOR: PROVIDE AT LEAST ONE 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.



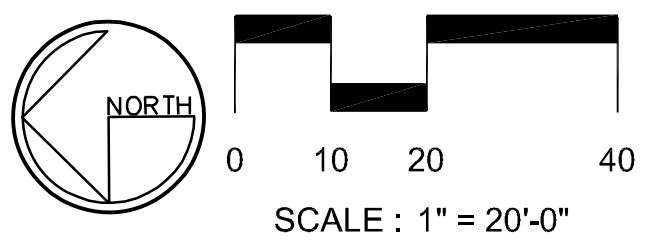
METAL COLOR PLAN

### METAL FINISH / COLOR LEGEND

SYMBOL	FINISH	COLOR	NOTES
	MO-06 PRIME AND PAINT	MOVIE STAR #1116	VISTA PAINT - 9700 PROTEC SATIN ENAMEL BASED PAINT, OR APPROVED EQUAL
	MO-07 HOT DIPPED GALVANIZED	N/A	N/A

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CITY OF LAGRANGE, GA

SKATE PARK - METAL MATERIALS &  
COLOR PLAN

PROJECT:

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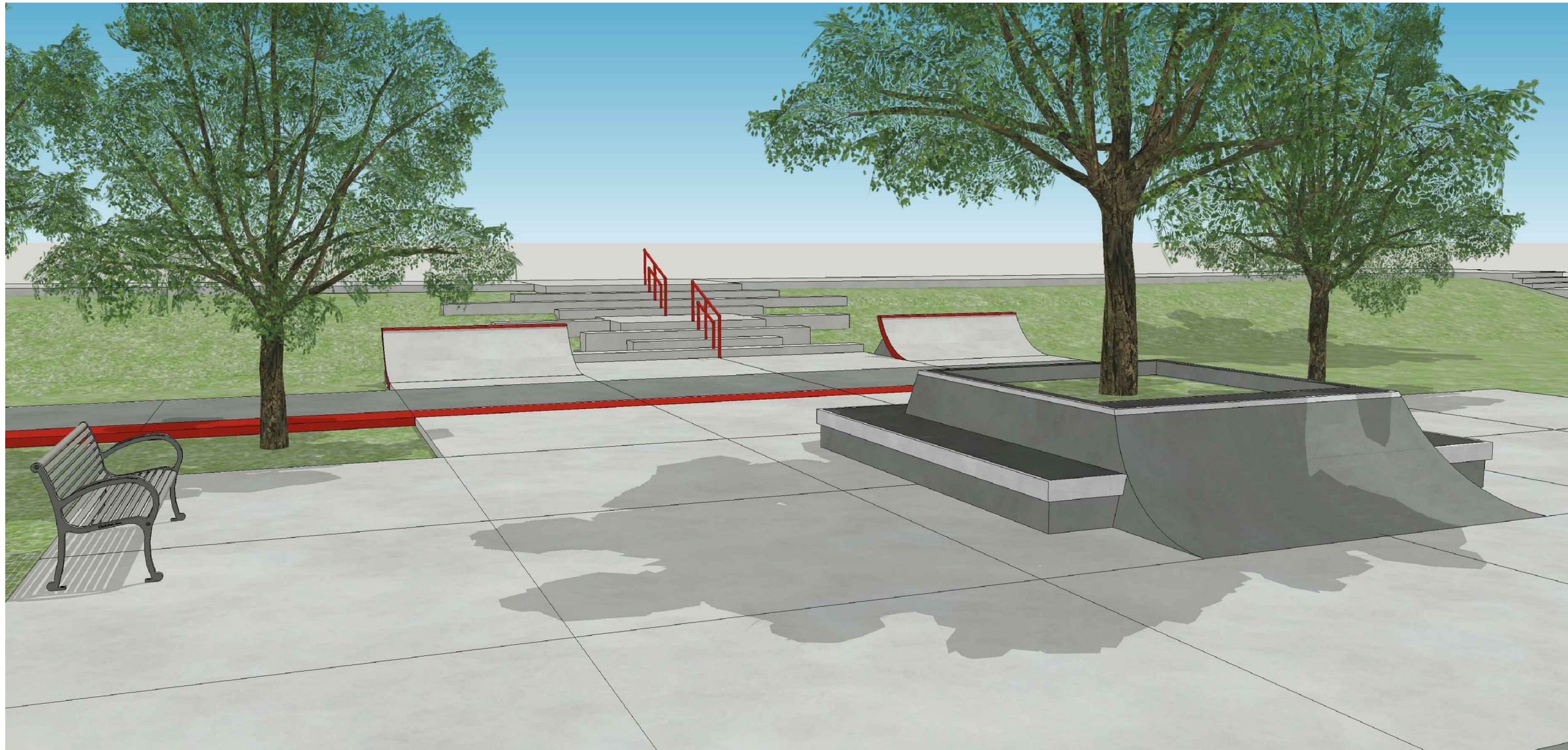




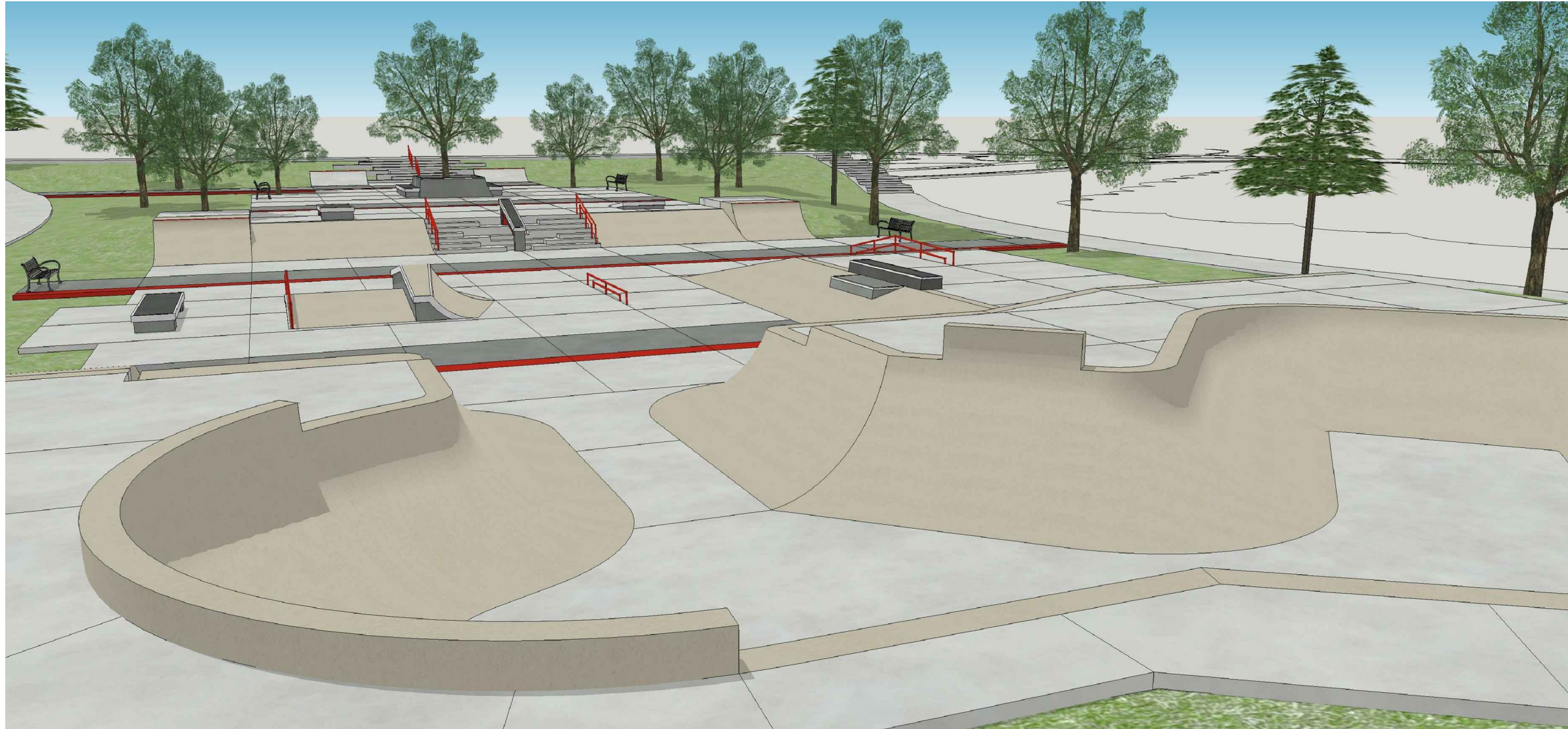
DIAGRAMMATIC VIEW #1  
NOT FOR CONSTRUCTION



DIAGRAMMATIC VIEW #3  
NOT FOR CONSTRUCTION



DIAGRAMMATIC VIEW #2  
NOT FOR CONSTRUCTION



DIAGRAMMATIC VIEW #4  
NOT FOR CONSTRUCTION



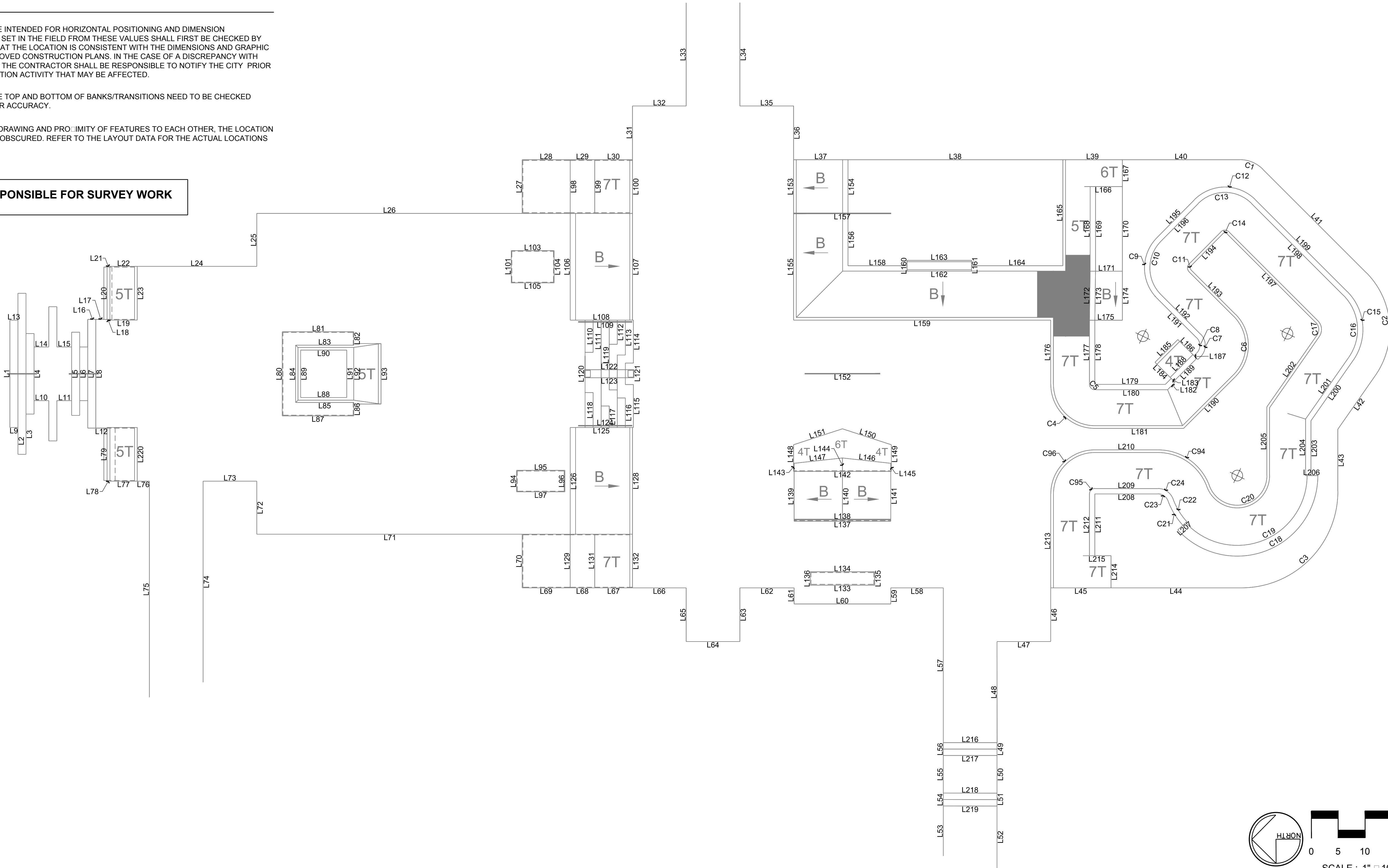
NOTE:

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 TOP AND BOTTOM OF BANKS/TRANSITIONS NEED TO BE CHECKED AGAINST THE CROSS SECTION 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 OBTAINED. REFER TO THE LAYOUT DATA FOR THE ACTUAL LOCATIONS FOR ALL POINTS.

\* CONTRACTOR RESPONSIBLE FOR SURVEY WORK



LINE AND CURVE LAYOUT PLAN



9665 Granite Ridge Drive  
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Tel. 619.594.4233  
www.stantec.com

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CITY OF LAGRANGE, GA

SKATE PARK- LINE CURVE LAYOUT PLAN

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Line Table		
Line #	Length	Direction
L1	20.00	N90° 00' 00.00"E
L2	5.00	S89° 59' 35.25"W
L3	7.50	N90° 00' 00.00"W
L4	15.00	S90° 00' 00.00"W
L5	15.50	N90° 00' 00.00"W
L6	10.00	N90° 00' 00.00"W
L7	20.25	N90° 00' 00.00"W
L8	20.25	N90° 00' 00.00"W
L9	1.50	N00° 00' 00.00"E
L10	2.75	S00° 00' 00.00"E
L11	2.75	S00° 00' 00.00"E
L12	2.10	N00° 00' 00.00"W
L13	1.50	S00° 00' 00.00"W
L14	2.75	S00° 00' 00.00"E
L15	2.75	S00° 00' 00.00"E
L16	1.50	S00° 00' 00.00"E
L17	2.10	S00° 00' 00.00"E
L18	0.54	N00° 00' 00.00"W
L19	5.08	N00° 00' 00.00"E
L20	10.00	N90° 00' 00.00"E

Line Table		
Line #	Length	Direction
L21	0.54	N00° 00' 00.00"E
L22	5.08	S00° 00' 00.00"E
L23	10.00	N90° 00' 00.00"W
L24	22.27	S00° 00' 00.00"E
L25	9.88	N90° 00' 00.00"E
L26	49.42	S00° 00' 00.00"W
L27	10.00	N89° 59' 59.95"E
L28	8.94	S00° 00' 00.00"E
L29	4.56	S00° 00' 00.07"W
L30	7.04	S00° 00' 00.08"W
L31	10.00	N90° 00' 00.00"E
L32	10.01	S00° 00' 00.00"E
L33	19.22	N90° 00' 00.00"E
L34	19.25	N90° 00' 00.00"W
L35	10.00	S00° 00' 00.00"E
L36	10.00	N90° 00' 00.00"W
L37	10.12	S00° 01' 04.44"W
L38	40.02	S00° 00' 16.30"E
L39	11.08	S00° 00' 00.00"W
L40	21.88	S00° 00' 00.00"W

Line Table		
Line #	Length	Direction
L41	27.26	S45° 00' 00.00"W
L42	12.18	N55° 02' 58.96"W
L43	11.56	N90° 00' 00.00"W
L44	24.23	N00° 00' 00.00"E
L45	11.22	N00° 00' 00.00"E
L46	10.00	S89° 59' 59.38"W
L47	10.00	N00° 03' 26.15"E
L48	18.84	N89° 55' 43.03"E
L49	2.40	S89° 59' 59.38"W
L50	7.01	S89° 59' 59.38"W
L51	2.40	S89° 59' 59.38"W
L52	11.55	S89° 59' 59.38"W
L53	9.31	N89° 59' 59.38"E
L54	2.40	N89° 59' 59.38"E
L55	7.01	N89° 59' 59.38"E
L56	2.40	N89° 59' 59.38"E
L57	28.82	N89° 59' 59.38"E
L58	9.78	N00° 00' 00.62"W
L59	3.00	N90° 00' 00.00"W
L60	18.00	S00° 00' 00.62"E

Line Table		
Line #	Length	Direction
L122	9.24	S00° 00' 00.00"E
L123	9.24	N00° 00' 00.00"E
L124	10.00	S00° 00' 00.00"E
L125	11.59	N00° 00' 00.03"W
L126	20.01	S89° 59' 59.97"W
L128	19.89	N90° 00' 00.00"W
L129	10.00	S89° 59' 59.95"E
L131	10.00	S89° 59' 59.95"E
L132	10.00	N89° 59' 59.95"W
L133	12.00	N00° 00' 00.00"E
L134	12.00	S00° 00' 00.00"E
L135	2.50	N90° 00' 00.00"W
L136	2.50	N90° 00' 00.00"E
L137	18.00	N00° 00' 00.00"E
L138	17.99	S00° 00' 00.00"E
L139	9.29	N90° 00' 00.00"E
L140	9.29	N90° 00' 00.00"W
L141	9.29	N90° 00' 00.00"W
L142	18.20	N00° 00' 00.00"W
L143	1.50	N90° 00' 00.00"E

Line Table		
Line #	Length	Direction
L144	2.50	N90° 00' 00.00"E
L145	1.50	S90° 00' 00.00"E
L146	9.15	S06° 16' 15.88"W
L147	9.15	S06° 16' 15.88"E
L148	3.47	N90° 00' 00.00"E
L149	3.47	N90° 00' 00.00"W
L150	9.57	S17° 59' 50.75"W
L151	9.57	S17° 59' 50.75"E
L152	14.00	N00° 00' 00.00"E
L153	10.00	N89° 59' 29.17"E
L154	10.00	N89° 59' 44.91"W
L155	19.89	N89° 59' 44.50"E
L156	9.76	N89° 59' 44.56"W
L157	18.12	N00° 00' 15.09"E
L158	11.00	S00° 00' 00.75"W
L159	47.88	N00° 00' 00.00"E
L160	2.00	N90° 00' 00.00"E
L161	2.00	N89° 59' 59.44"W
L162	12.00	N00° 00' 00.00"E
L163	12.00	S00° 00' 00.00"E

Line Table		
Line #	Length	Direction
L164	17.02	S00° 00' 00.00"E
L165	19.76	N90° 00' 00.00"E
L166	7.08	N00° 00' 00.00"E
L167	5.00	N90° 00' 00.00"W
L168	15.76	N90° 00' 00.00"E
L169	15.77	N90° 00' 00.00"W
L170	15.77	N90° 00' 00.00"W
L171	6.00	S00° 00' 00.00"E
L172	9.13	S89° 12' 37.17"E
L173	9.13	N89° 12' 37.17"W
L174	9.12	N90° 00' 00.00"W
L175	6.13	S00° 00' 00.00"E
L176	11.96	N90° 00' 00.00"E
L177	11.96	N90° 00' 00.00"E
L178	11.96	N90° 00' 00.00"W
L179	13.14	S00° 00' 00.00"E
L180	13.55	N00° 00' 00.00"E
L181	16.54	N00° 00' 00.00"E
L182	1.96	S45° 00' 00.00"E
L183	1.00	S45° 00' 00.00"W

Curve Table					
Curve #	Length	Radius	Delta	Chord Direction	Chord Length
C1	4.71	6.00	045.0000	N22° 30' 00.00"E	4.592
C2	20.93	15.00	079.9503	N84° 58' 30.52"E	19.274
C3	28.27	18.00	090.0000	S45° 00' 00.00"E	25.456
C4	12.90	8.21	090.0000	S45° 00' 00.00"W	11.611
C5	1.57	1.00	090.0000	S45° 00' 00.00"W	1.414
C6	12.90	8.21	090.0000	S90° 00' 00.00"E	11.611
C7	4.71	3.00	090.0000	N90° 00' 00.00"E	4.243
C8	3.14	2.00	090.0000	N90° 00' 00.00"E	2.828
C9	12.52	8.00	089.6856	S89° 50' 34.09"W	11.283
C10	10.96	7.00	089.6856	S89° 50' 34.09"W	9.872
C11	0.78	0.50	089.6856	S89° 50' 34.09"W	0.705
C12	12.61	8.00	090.3144	N00° 09' 25.91"W	11.345
C13	11.03	7.00	090.3144	N00° 09' 25.91"W	9.927
C14	0.79	0.50	090.3144	N00° 09' 25.91"W	0.709
C15	13.95	10.00	079.9503	N84° 58' 30.52"E	12.849
C16	12.56	9.00	079.9503	N84° 58' 30.52"E	11.564
C17	2.50	1.79	079.9503	N84° 58' 30.52"E	2.300
C18	36.01	15.00	137.5309	S21° 14' 04.29"E	27.963
C19	31.20	13.00	137.5309	S21° 14' 04.29"E	24.235
C20	15.38	5.52	159.6778	S09° 57' 44.86"E	10.867

Curve Table					
Curve #	Length	Radius	Delta	Chord Direction	Chord Length
C21	5.36	13.73	022.3693	S58° 42' 54.76"W	5.326
C22	4.97	12.73	022.3756	S58° 43' 06.15"W	4.940
C23	2.44	2.00	069.8765	N34° 56' 17.63"E	2.291
C24	3.66	3.00	069.8765	N34° 56' 17.63"E	3.436
C94	12.45	10.21	069.8765	N34° 56' 17.63"E	11.694
C95	1.57	1.00	090.0000	N45° 00' 00.00"W	1.414
C96	12.90	8.21	090.0002	N45° 00' 00.31"W	11.611

Line Table		
Line #	Length	Direction
L61	3.01	N90° 00' 00.00"E
L62	10.10	N00° 00' 00.00"E
L63	10.00	N90° 00' 00.00"W
L64	10.00	N00° 00' 00.02"W
L65	10.00	N90° 00' 00.00"E
L66	10.00	N00° 00' 00.00"E
L67	7.04	N00° 00' 00.03"W
L68	4.56	N00° 00' 00.05"E
L69	8.94	N00° 00' 00.00"E
L70	10.00	S89° 59' 59.95"E
L71	49.42	N00° 00' 00.05"E
L72	9.88	N90° 00' 00.00"W
L73	10.00	S00° 00' 00.00"E
L74	37.47	N90° 00' 00.00"W
L75	40.27	N90° 00' 00.00"E
L76	2.28	N00° 00' 00.00"E
L77	5.08	N00° 00' 00.00"W
L78	0.54	N00° 00' 00.00"E
L79	10.00	N90° 00' 00.00"E
L80	15.67	N90° 00' 00.00"E

Line Table		
Line #	Length	Direction
L81	13.33	S00° 00' 00.00"E
L82	2.50	S90° 00' 00.00"W
L83	10.83	S00° 00' 00.00"E
L84	10.67	N90° 00' 00.00"E
L85	10.83	N00° 00' 00.00"E
L86	2.50	N90° 00' 00.00"W
L87	13.33	N00° 00' 00.00"E
L88	8.58	S00° 00' 00.00"E
L89	8.83	N90° 00' 00.00"W
L90	8.58	N00° 00' 00.00"E
L91	8.83	N90° 00' 00.00"W
L92	9.83	N90° 00' 00.00"W
L93	11.26	N90° 00' 00.00"W
L94	4.00	N90° 00' 00.00"E
L95	9.00	S00° 00' 00.00"E
L96	4.00	N90° 00' 00.00"E
L97	9.00	N00° 00' 00.00"E
L98	10.00	S89° 59' 59.95"W
L99	10.00	S89° 59' 59.95"W
L100	10.00	S89° 59' 59.95"W

Line Table		
Line #	Length	Direction
L101	6.00	N90° 00' 00.00"E
L103	8.00	S00° 00' 00.00"E
L104	6.00	N90° 00' 00.00"W
L105	8.00	N00° 00' 00.00"E
L106	19.89	S89° 59' 59.97"E
L107	19.89	S90° 00' 00.00"W
L108	11.59	S00° 00' 00.03"W
L109	10.00	N00° 00' 00.00"E
L110	6.00	N90° 00' 00.00"E
L111	8.00	S89° 59' 59.99"E
L112	4.50	N89° 59' 59.99"W
L113	6.50	N90° 00' 00.00"W
L114	8.00	N90° 00' 00.00"W
L115	8.00	N90° 00' 00.00"W
L116	5.50	N90° 00' 00.00"W
L117	4.00	N90° 00' 00.00"W
L118	6.50	N90° 00' 00.00"E
L119	13.00	S89° 59' 59.99"E
L120	1.50	N90° 00' 00.00"E
L121	1.50	N90° 00' 00.00"W

Line Table		
Line #	Length	Direction
L184	3.97	N44° 58' 57.50"E
L185	6.00	S45° 00' 00.00"E
L186	3.97	S45° 00' 00.00"W
L187	1.00	S45° 00' 00.00"W
L188	6.00	S45° 00' 00.00"E
L189	6.00	N45° 00' 00.00"W
L190	13.64	N45° 00' 00.00"W
L191	10.43	N45° 00' 00.00"E
L192	10.43	S45° 00' 00.00"W
L193	11.72	S45° 00' 00.00"W
L194	8.50	N45° 18' 48.91"W
L195	9.92	S45° 18' 51.81"E
L196	9.92	N45° 18' 51.81"W
L197	23.49	N45° 00' 00.00"E
L198	24.21	N45° 00' 00.00"E
L199	24.21	S45° 00' 00.00"W
L200	13.75	N55° 02' 58.96"W
L201	14.06	S55° 02' 58.96"E
L202	16.33	S55° 02' 58.96"E
L203	10.22	N90° 00' 00.00"W

Line Table		
Line #	Length	Direction
L204	10.53	N90° 00' 00.00"E
L205	12.82	N90° 00' 00.00"E
L206	2.27	S00° 00' 16.37"W
L207	2.27	N42° 28' 08.58"W
L208	11.74	N00° 00' 00.00"E
L209	11.74	S00° 00' 00.00"W
L210	11.74	S00° 00' 00.00"W
L211	11.51	N90° 00' 00.00"W
L212	11.51	N90° 00' 00.00"E
L213	17.51	N89° 59' 59.38"E
L214	6.00	N90° 00' 00.00"W
L215	5.23	N00° 01' 54.39"W
L216	10.00	S00° 03' 26.15"W
L217	10.00	N00° 03' 26.15"E
L218	10.00	S00° 03' 26.15"W
L219	10.00	N00° 03' 26.15"E
L220	10.00	N90° 00' 00.00"W





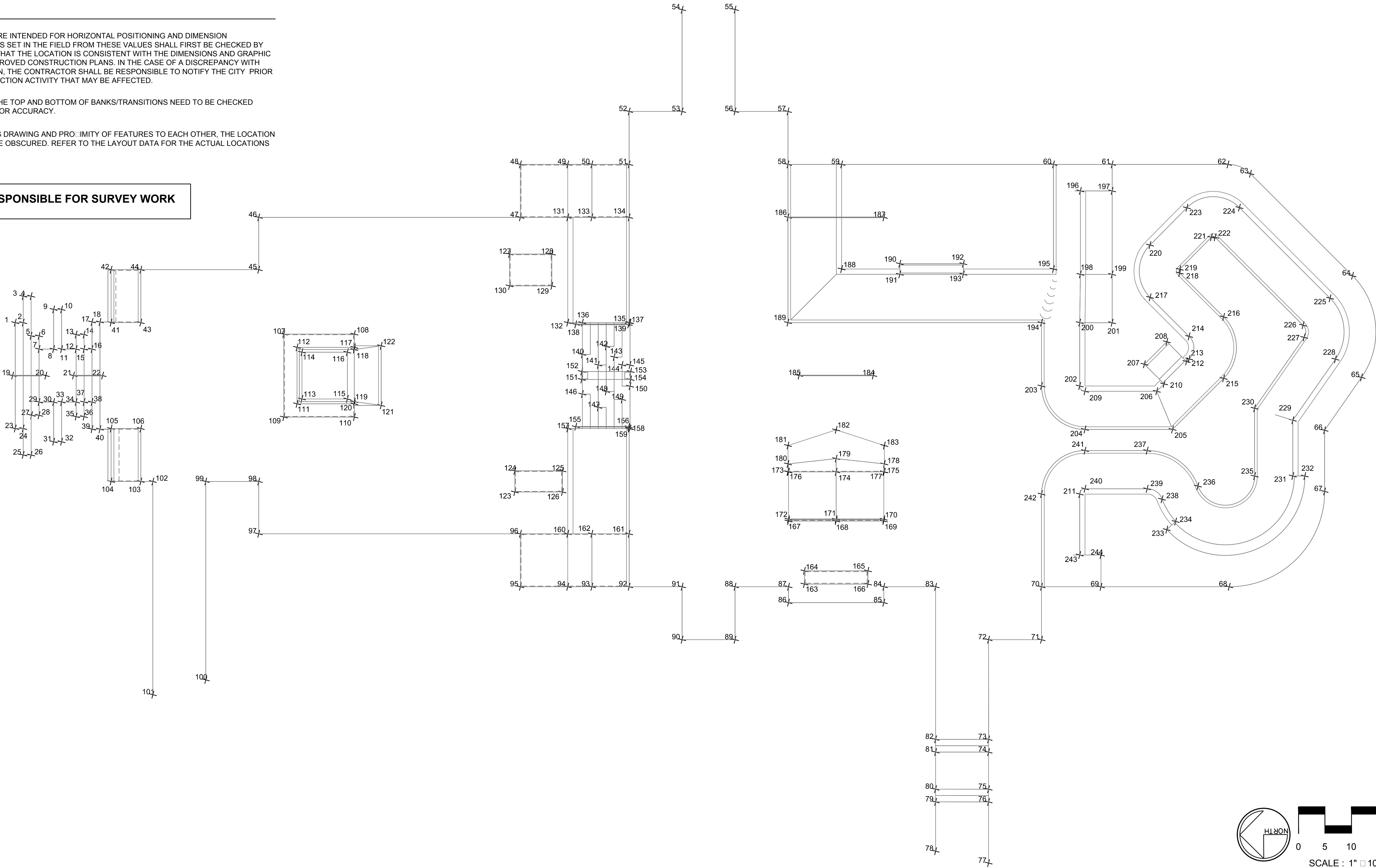
NOTE:

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ALL COORDINATES SHOWN AT THE TOP AND BOTTOM OF BANKS/TRANSITIONS NEED TO BE CHECKED AGAINST THE CROSS SECTION 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 OBTUSCED. REFER TO THE LAYOUT DATA FOR THE ACTUAL LOCATIONS FOR ALL POINTS.

\* CONTRACTOR RESPONSIBLE FOR SURVEY WORK



POINT LAYOUT PLAN



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San Diego, CA 92123  
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LAGRANGE SKATE PLAZA  
CITY OF LAGRANGE, GA

SKATE PARK- POINT LAYOUT PLAN

PROJECT:

SHEET TITLE:

ISSUE DATE:

03-2018

DRAWN BY:

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SP-2.3



NOTE:

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.

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Site Layout Point Table		
Point #	Northing	Easting
1	1104574.07	2031557.37
2	1104572.57	2031557.37
3	1104572.57	2031562.37
4	1104571.07	2031562.37
5	1104571.09	2031554.87
6	1104569.57	2031554.87
7	1104569.57	2031552.37
8	1104566.83	2031552.37
9	1104566.83	2031559.87
10	1104565.33	2031559.87
11	1104565.33	2031552.37
12	1104562.58	2031552.37
13	1104562.58	2031555.12
14	1104561.08	2031555.12
15	1104561.08	2031552.37
16	1104559.58	2031552.37
17	1104559.58	2031557.50
18	1104558.08	2031557.50
19	1104574.57	2031547.37
20	1104568.30	2031547.37

Site Layout Point Table		
Point #	Northing	Easting
21	1104563.08	2031547.37
22	1104557.58	2031547.37
23	1104574.07	2031537.37
24	1104572.57	2031537.37
25	1104572.57	2031532.37
26	1104571.07	2031532.37
27	1104570.99	2031539.87
28	1104569.57	2031539.87
29	1104569.57	2031542.37
30	1104566.83	2031542.37
31	1104566.83	2031534.87
32	1104565.33	2031534.87
33	1104565.33	2031542.37
34	1104562.58	2031542.37
35	1104562.58	2031539.62
36	1104561.08	2031539.62
37	1104561.08	2031542.37
38	1104559.58	2031542.37
39	1104559.58	2031537.25
40	1104558.08	2031537.25

Site Layout Point Table		
Point #	Northing	Easting
41	1104555.98	2031557.38
42	1104555.98	2031567.38
43	1104550.36	2031557.38
44	1104550.36	2031567.38
45	1104528.09	2031567.38
46	1104528.09	2031577.26
47	1104478.67	2031577.26
48	1104478.67	2031587.26
49	1104469.73	2031587.26
50	1104465.17	2031587.26
51	1104458.13	2031587.26
52	1104458.13	2031597.26
53	1104448.12	2031597.26
54	1104448.12	2031616.48
55	1104438.13	2031616.51
56	1104438.13	2031597.26
57	1104428.13	2031597.26
58	1104468.21	2031557.04
59	1104418.01	2031587.26
60	1104377.99	2031587.26

Site Layout Point Table		
Point #	Northing	Easting
121	1104504.96	2031541.74
122	1104504.96	2031553.00
123	1104479.72	2031525.38
124	1104479.72	2031529.38
125	1104470.72	2031529.38
126	1104470.72	2031525.38
127	1104480.72	2031570.31
128	1104472.72	2031570.31
129	1104472.72	2031564.31
130	1104480.72	2031564.31
131	1104469.72	2031577.26
132	1104469.72	2031557.37
133	1104465.17	2031577.26
134	1104458.13	2031577.26
135	1104458.13	2031557.37
136	1104466.96	2031557.37
137	1104457.97	2031557.37
138	1104468.21	2031557.04
139	1104458.22	2031557.04
140	1104466.96	2031551.37

Site Layout Point Table		
Point #	Northing	Easting
141	1104463.96	2031549.37
142	1104462.46	2031552.87
143	1104460.96	2031550.87
144	1104459.46	2031549.37
145	1104457.97	2031549.37
146	1104466.96	2031543.87
147	1104463.96	2031541.37
148	1104462.46	2031544.37
149	1104459.46	2031542.87
150	1104457.97	2031545.37
151	1104467.08	2031546.64
152	1104467.08	2031548.14
153	1104457.85	2031548.14
154	1104457.85	2031546.64
155	1104468.21	2031537.71
156	1104458.22	2031537.71
157	1104469.72	2031537.37
158	1104457.97	2031537.37
159	1104458.13	2031537.37
160	1104469.72	2031517.49

Site Layout Point Table		
Point #	Northing	Easting
161	1104458.13	2031517.49
162	1104465.17	2031517.49
163	1104425.03	2031507.99
164	1104425.03	2031510.49
165	1104413.03	2031510.49
166	1104413.03	2031507.99
167	1104428.03	2031519.90
168	1104419.03	2031519.90
169	1104410.03	2031519.90
170	1104410.04	2031520.23
171	1104419.03	2031520.23
172	1104428.03	2031520.23
173	1104428.13	2031529.19
174	1104419.03	2031529.19
175	1104409.93	2031529.19
176	1104428.03	2031529.19
177	1104410.03	2031529.19
178	1104409.93	2031530.69
179	1104419.03	2031531.69
180	1104428.13	2031530.69

Site Layout Point Table		
Point #	Northing	Easting
241	1104372.04	2031533.20
242	1104380.25	2031524.99
243	1104373.03	2031513.48
244	1104369.02	2031513.48

Site Layout Point Table		
Point #	Northing	Easting
61	1104366.91	2031587.26
62	1104345.03	2031587.26
63	1104340.79	2031585.50
64	1104321.51	2031566.22
65	1104319.82	2031547.02
66	1104326.80	2031537.04
67	1104326.80	2031525.48
68	1104344.80	2031507.48
69	1104369.02	2031507.48
70	1104380.25	2031507.48
71	1104380.25	2031497.48
72	1104390.25	2031497.49
73	1104390.25	2031478.65
74	1104390.25	2031476.25
75	1104390.25	2031469.24
76	1104390.25	2031466.84
77	1104390.25	2031455.29
78	1104400.25	2031457.54
79	1104400.25	2031466.85
80	1104400.26	2031469.25

Site Layout Point Table		
Point #	Northing	Easting
81	1104400.25	2031476.26
82	1104400.25	2031478.66
83	1104400.25	2031507.48
84	1104410.03	2031507.48
85	1104410.03	2031504.48
86	1104428.03	2031504.48
87	1104428.03	2031507.49
88	1104438.13	2031507.49
89	1104438.13	2031497.49
90	1104448.13	2031497.49
91	1104448.13	2031507.49
92	1104458.13	2031507.49
93	1104465.17	2031507.49
94	1104469.73	2031507.49
95	1104478.67	2031507.49
96	1104478.67	2031517.49
97	1104528.09	2031517.49
98	1104528.09	2031527.37
99	1104538.09	2031527.37
100	1104538.09	2031489.90

Site Layout Point Table		
Point #	Northing	Easting
101	1104548.08	2031487.10
102	1104548.08	2031527.37
103	1104550.36	2031527.37
104	1104555.98	2031527.37
105	1104555.98	2031537.37
106	1104550.36	2031537.37
107	1104523.35	2031555.21
108	1104510.02	2031555.21
109	1104523.35	2031539.54
110	1104510.02	2031539.54
111	1104520.85	2031542.04
112	1104520.85	2031552.71
113	1104519.93	2031542.96
114	1104519.93	2031551.79
115	1104511.35	2031542.96
116	1104511.35	2031551.79
117	1104510.02	2031552.71
118	1104510.04	2031552.29
119	1104510.04	2031527.37
120	1104510.02	2031542.04

Site Layout Point Table		
Point #	Northing	Easting
181	1104428.13	2031534.16
182	1104419.03	2031537.12
183	1104409.93	2031534.16
184	1104412.03	2031547.39
185	1104426.03	2031547.39
186	1104428.13	2031577.26
187	1104410.01	2031577.26
188	1104418.01	2031567.50
189	1104428.13	2031557.37
190	1104407.01	2031568.50
191	1104407.01	2031566.50
192	1104395.01	2031568.50
193	1104395.01	2031566.50
194	1104380.25	2031557.37
195	1104377.99	2031567.50
196	1104372.91	2031582.26
197	1104366.91	2031582.26
198	1104372.91	2031566.48
199	1104366.91	2031566.48
200	1104373.04	2031557.37

Site Layout Point Table		
Point #	Northing	Easting
201	1104366.91	2031557.36
202	1104373.04	2031545.41
203	1104380.25	2031545.41
204	1104372.04	2031537.20
205	1104355.50	2031537.20
206	1104358.49	2031544.41
207	1104360.82	2031549.52
208	1104356.58	2031553.76
209	1104372.03	2031544.41
210	1104357.10	2031545.80
211	1104373.03	2031524.99
212	1104352.86	2031550.04
213	1104352.37	2031550.53
214	1104352.37	2031554.77
215	1104345.86	2031546.84
216	1104345.86	2031558.45
217	1104359.74	2031562.14
218	1104354.15	2031566.74
219	1104354.15	2031567.45
220	1104359.77	2031572.01

Site Layout Point Table		
Point #	Northing	Easting
221	1104348.17	2031573.49
222	1104347.46	2031573.49
223	1104352.80	2031579.07
224	1104342.87	2031579.10
225	1104325.75	2031561.98
226	1104330.85	2031556.88
227	1104330.65	2031554.59
228	1104324.74	2031550.46
229	1104332.80	2031538.93
230	1104340.01	2031541.20
231	1104332.80	2031528.40
232	1104330.53	2031528.40
233	1104356.59	2031518.27
234	1104354.92	2031519.81
235	1104340.01	2031528.38
236	1104350.71	2031526.50
237	1104360.30	2031533.20
238	1104357.48	2031524.02
239	1104360.30	2031525.99
240	1104372.03	2031525.99



LICENSE:

LAGRANGE SKATE PLAZA  
CITY OF LAGRANGE, GA

PROJECT:

SHEET TITLE:

SKATE PARK- POINT LAYOUT TABLES

ISSUE DATE:

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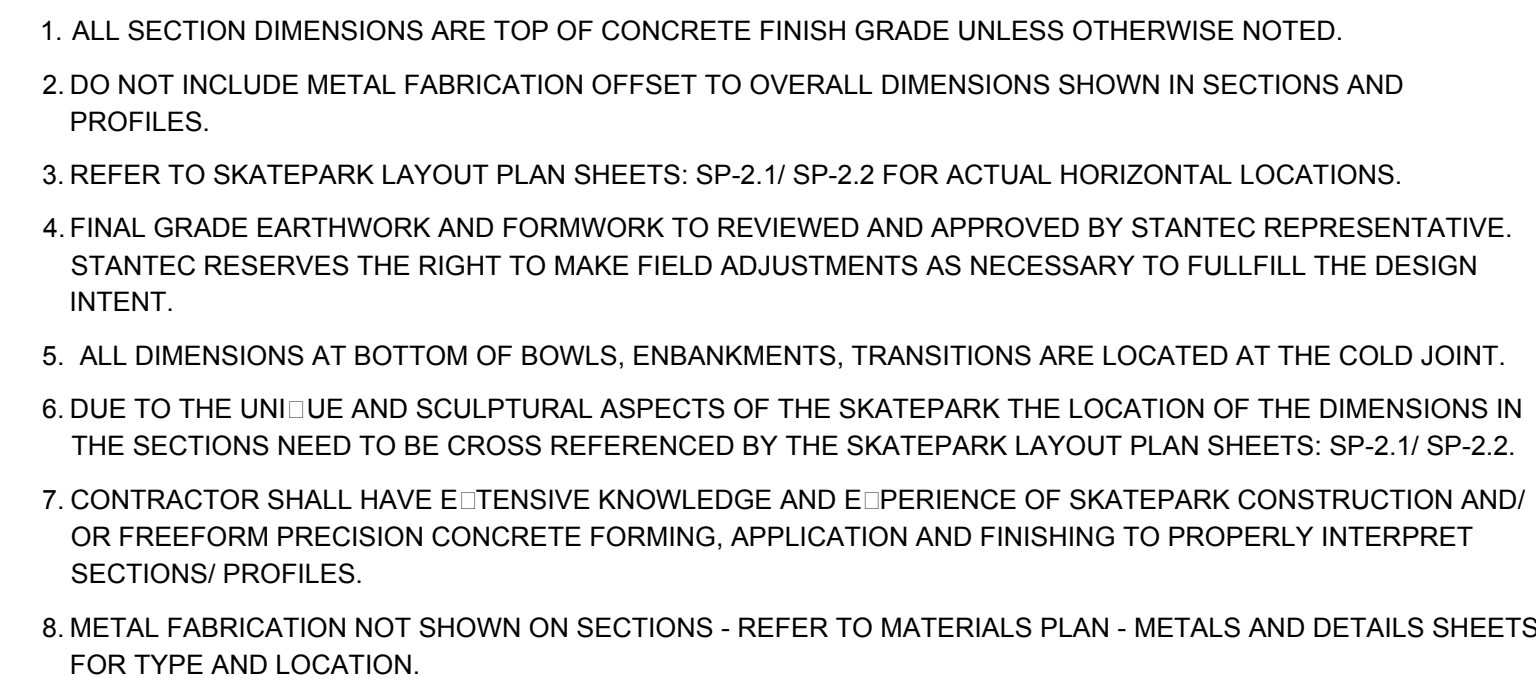
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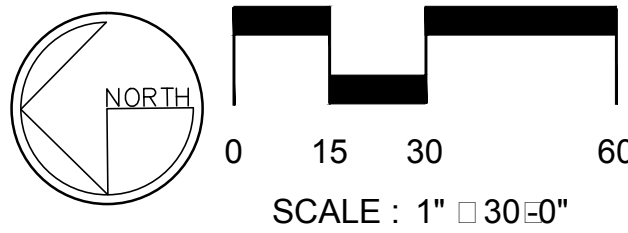
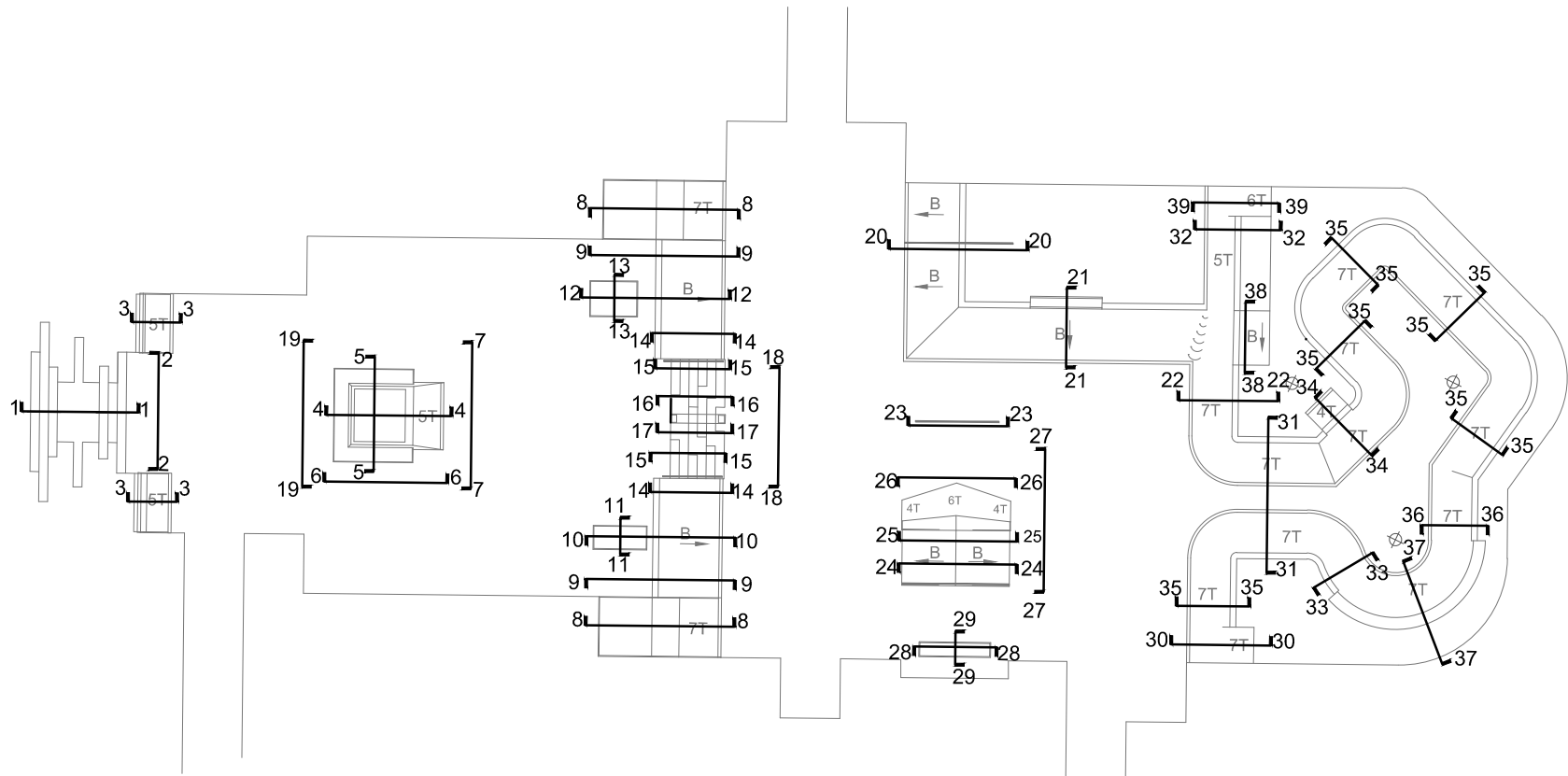




## NOTES

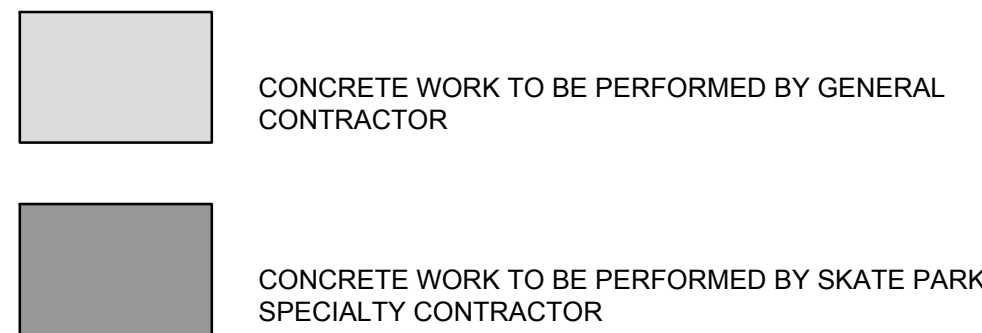






## KEY MAP

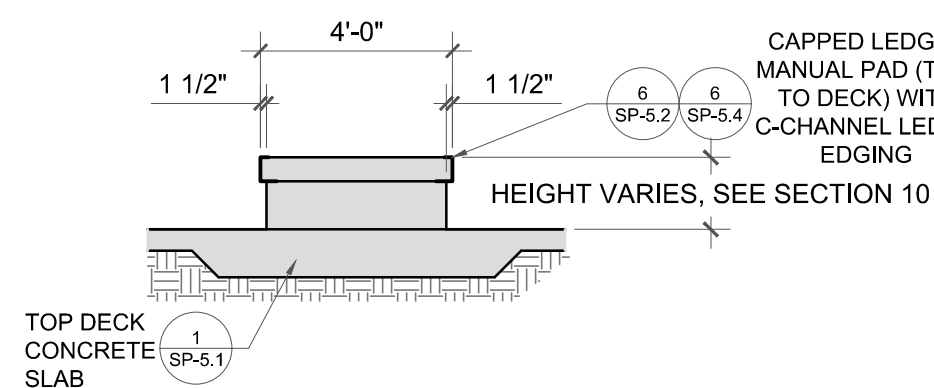
### CONCRETE GENERAL/SPECIALTY WORK LEGEND



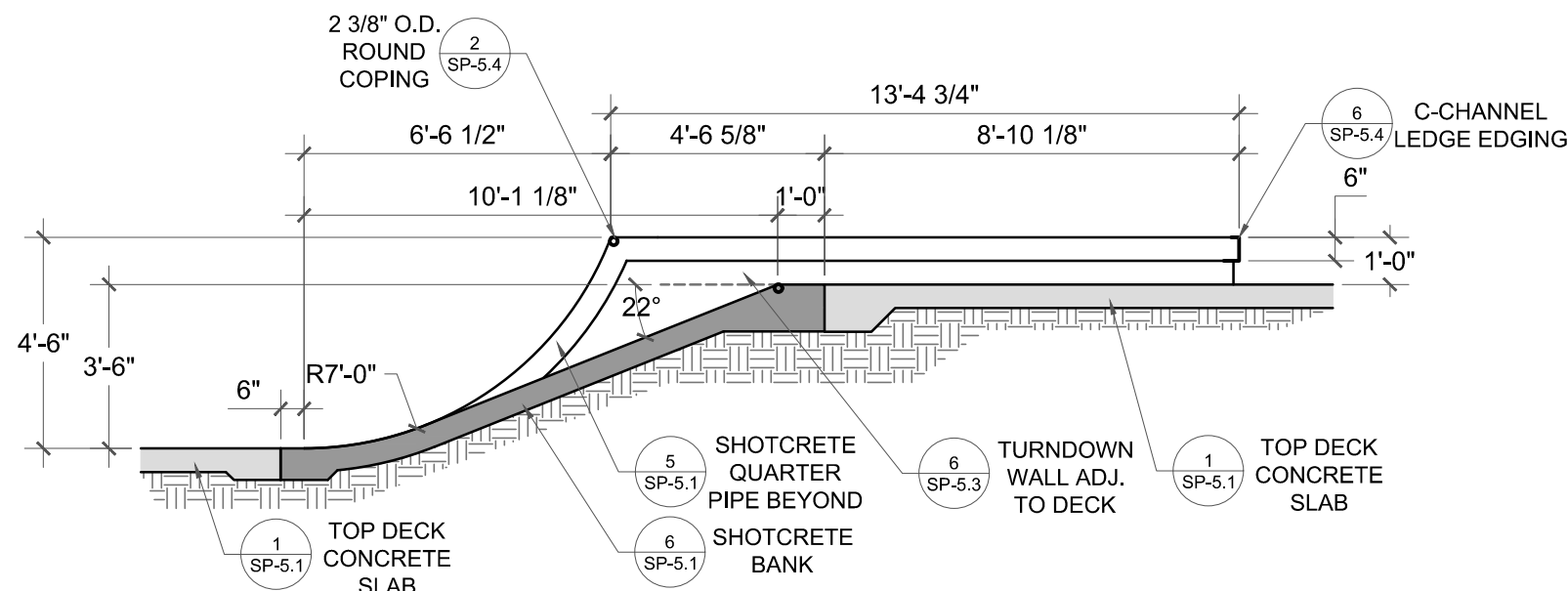
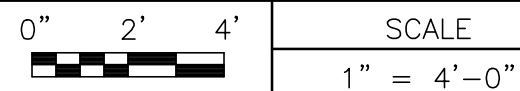
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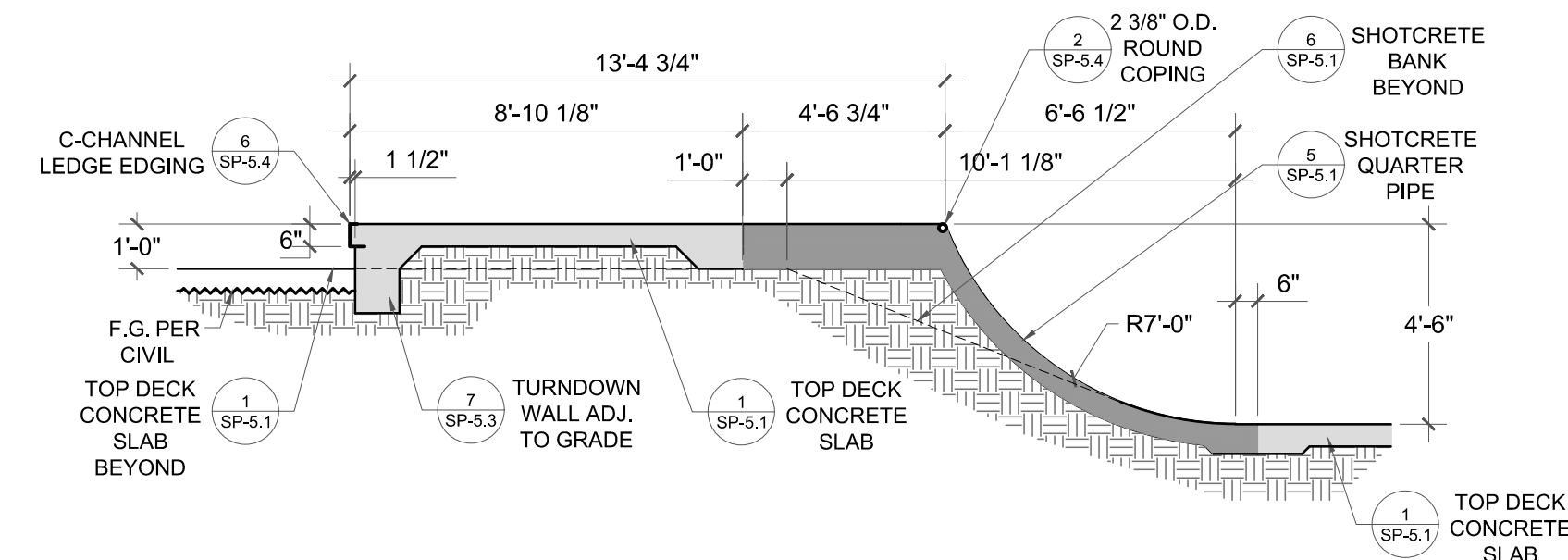
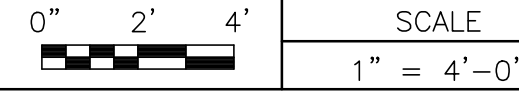
## NOTES



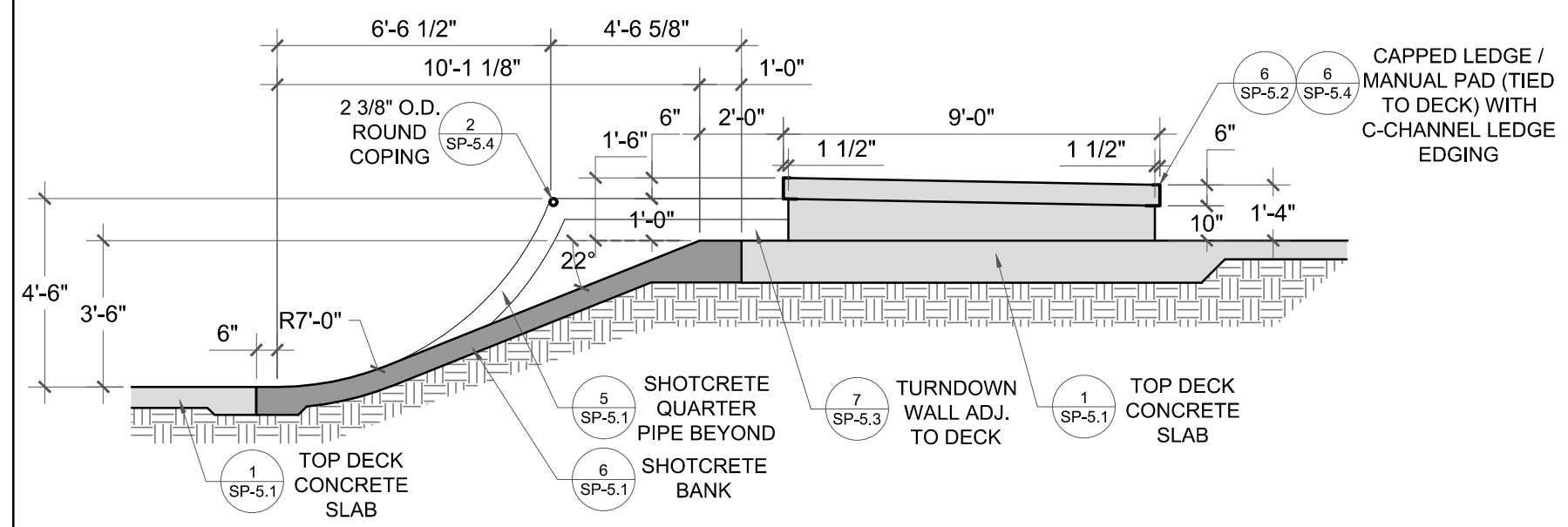
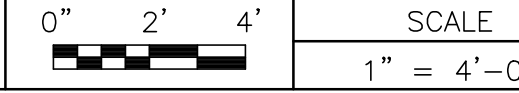
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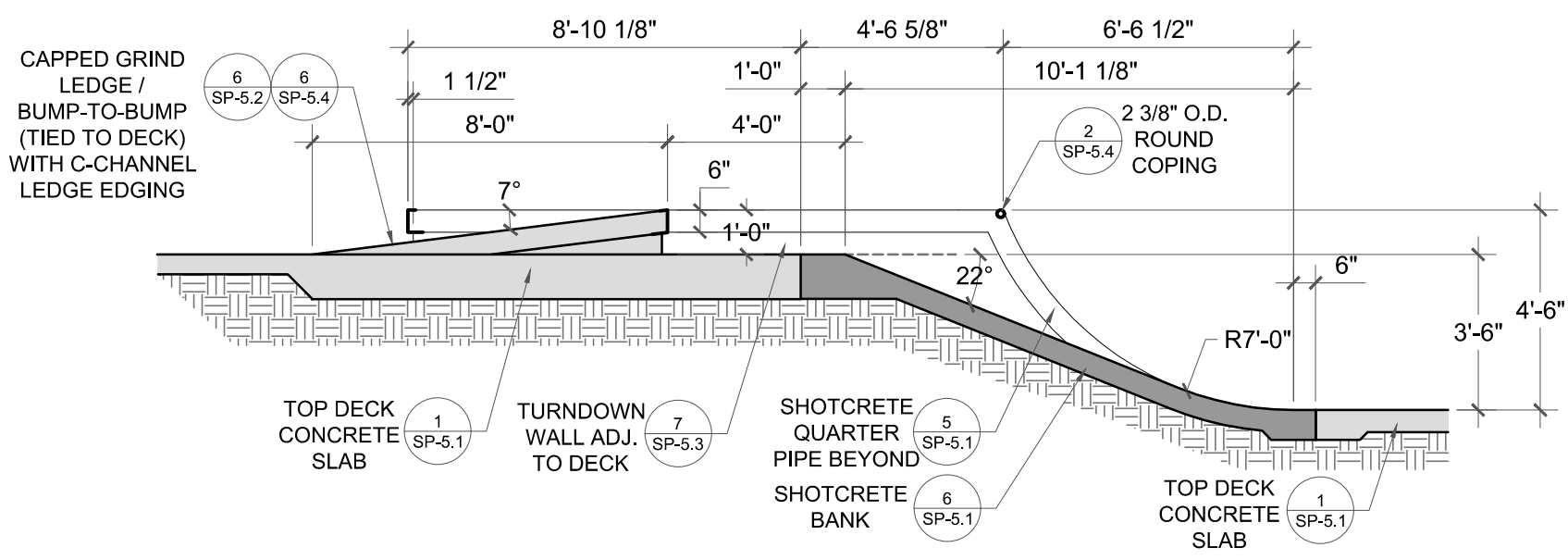
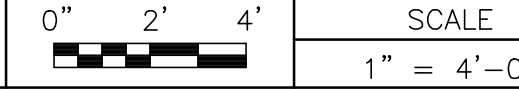
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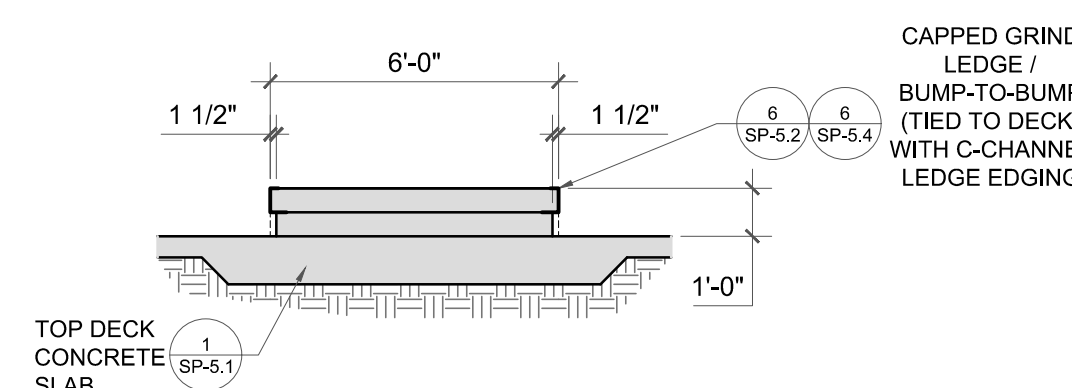
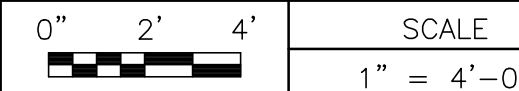
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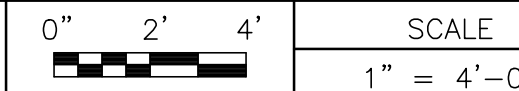
## 10 SECTION



## 12 SECTION



## 13 SECTION



LICENSE:

LAGRANGE SKATE PLAZA  
CITY OF LAGRANGE, GA

SKATE PARK- SECTIONS / PROFILES

PROJECT:

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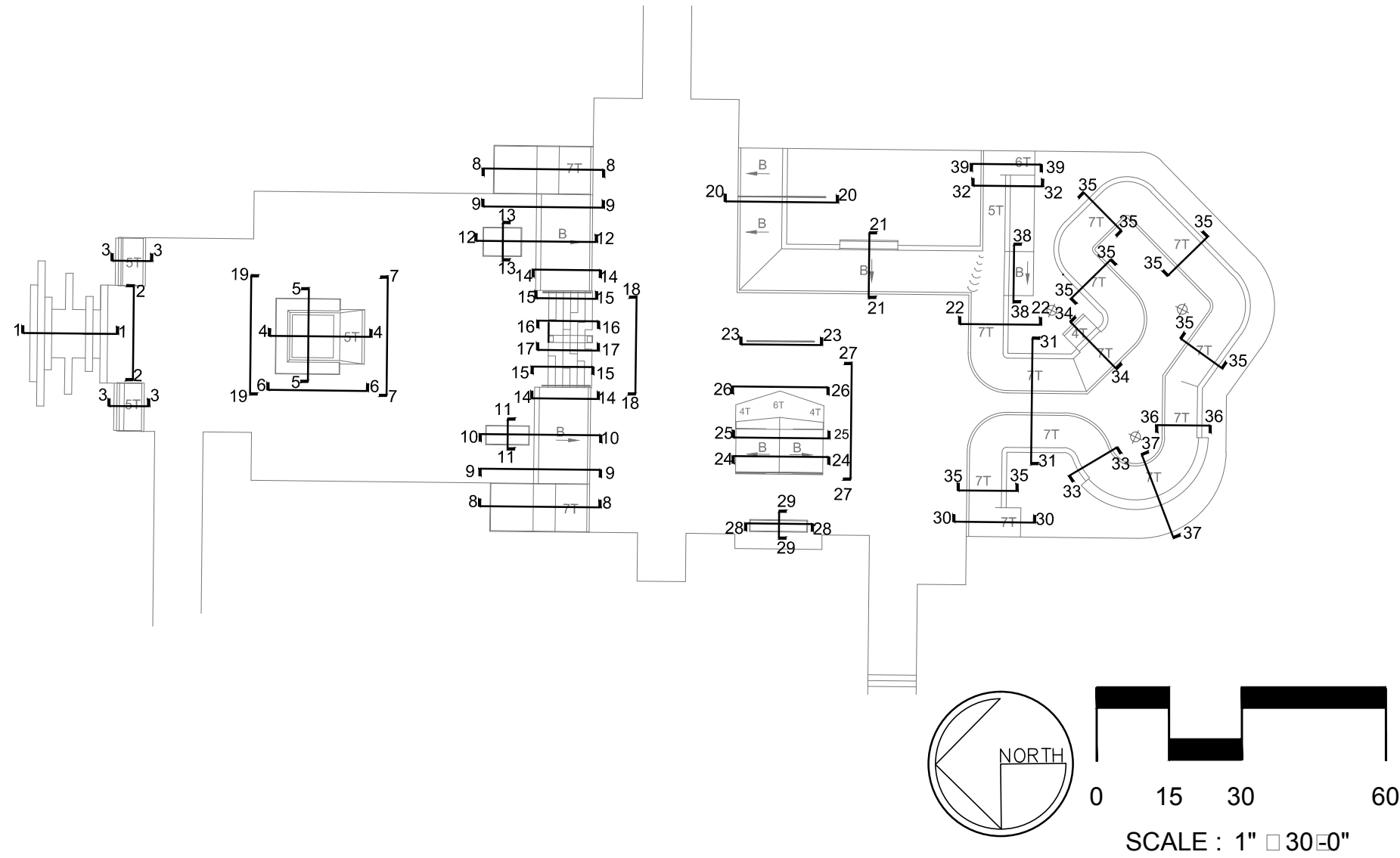
REVISIONS:

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SHEET NUMBER:

SP-4.2





KEY MAP

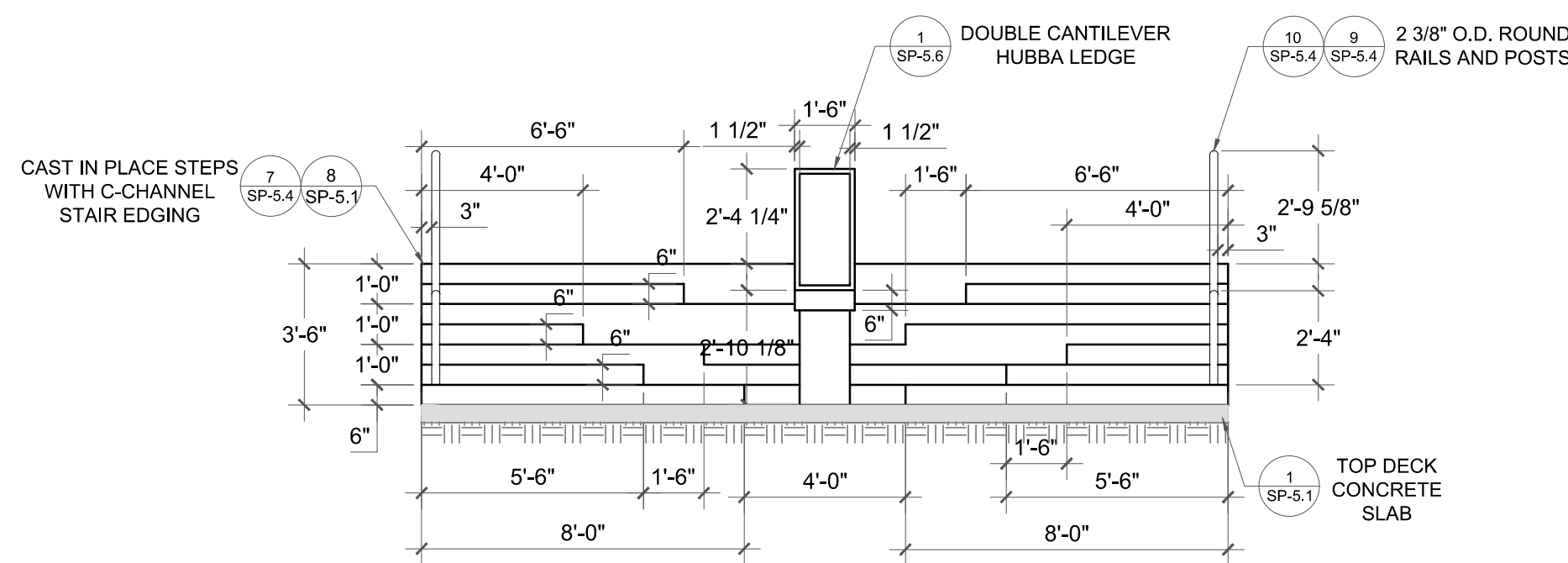
CONCRETE GENERAL/SPECIALTY WORK LEGEND

- CONCRETE WORK TO BE PERFORMED BY GENERAL CONTRACTOR
- CONCRETE WORK TO BE PERFORMED BY SKATE PARK SPECIALTY CONTRACTOR

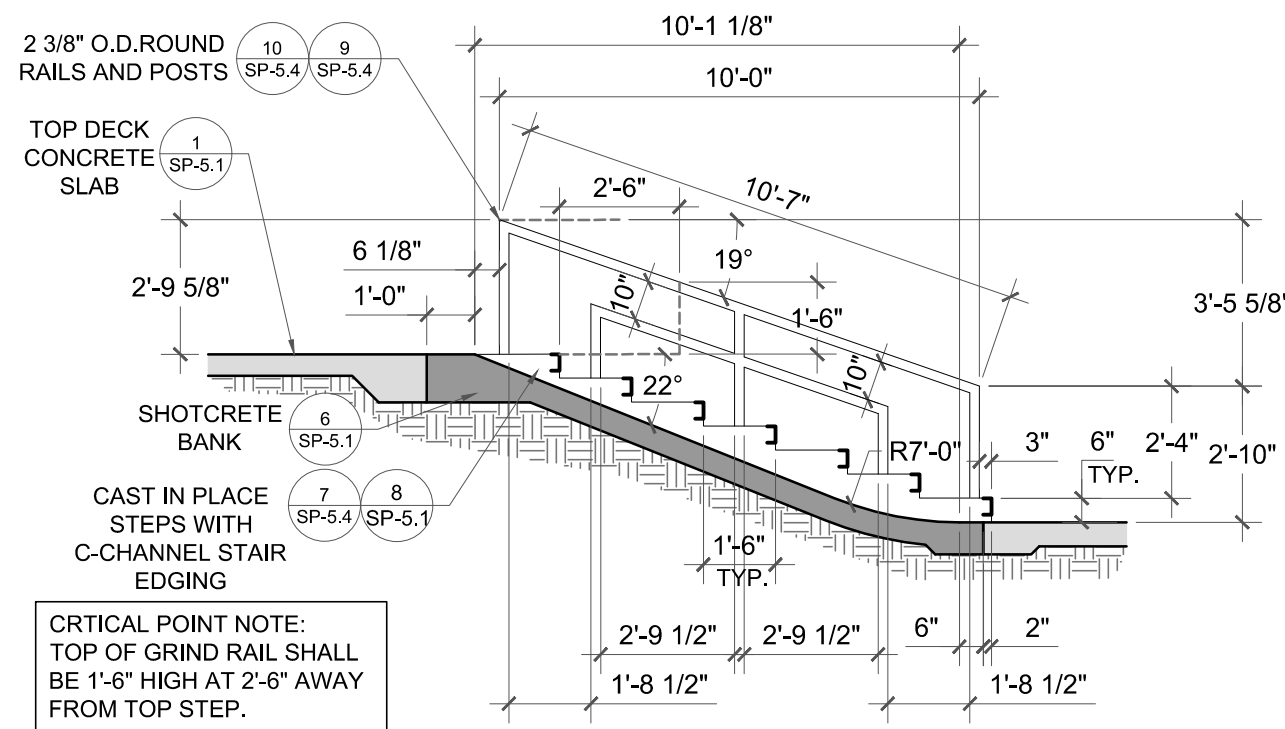
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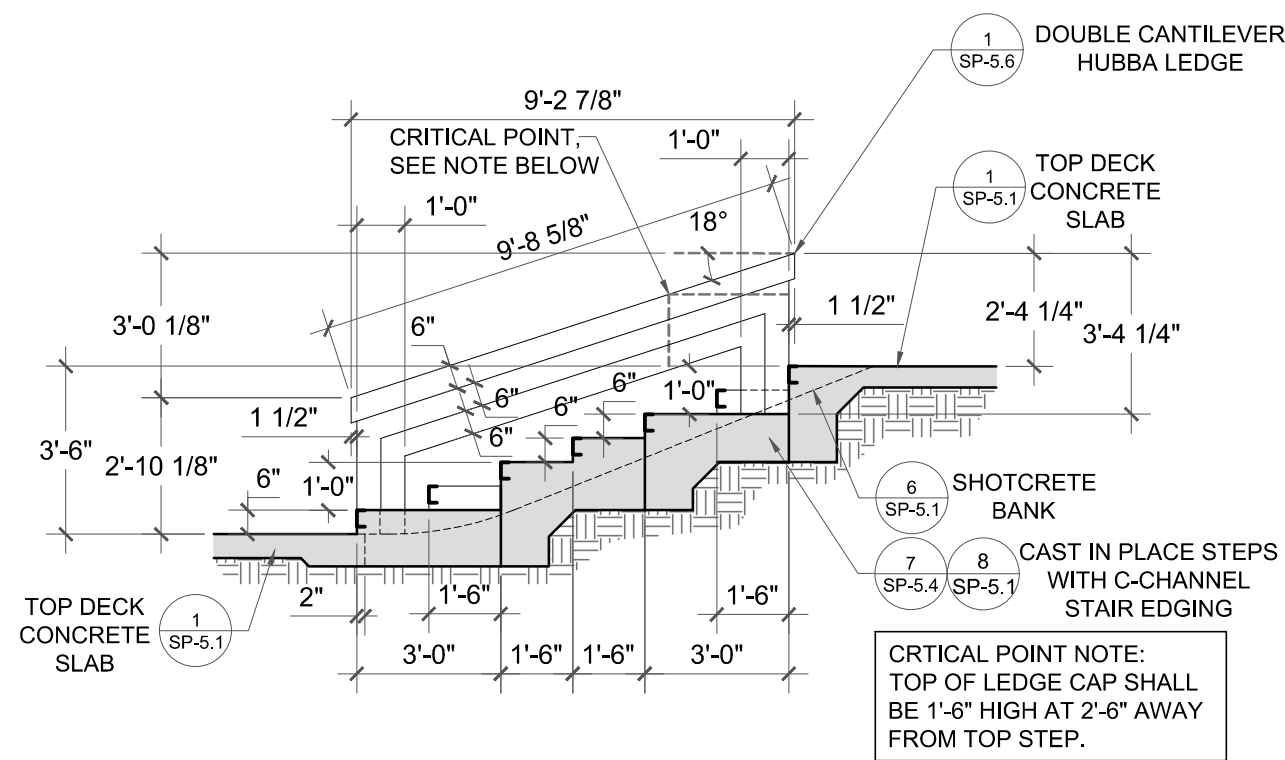
NOTES



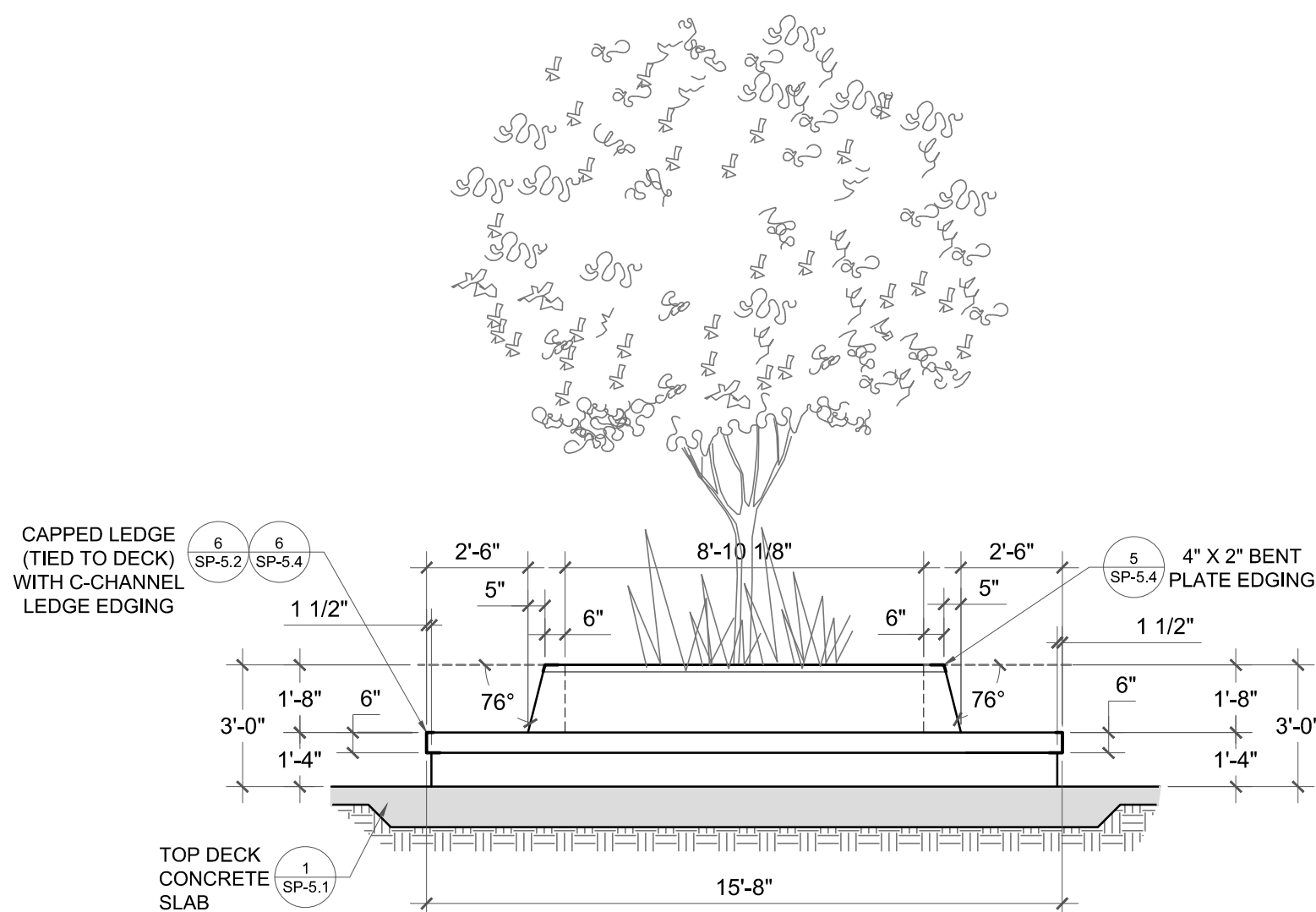
18 SECTION



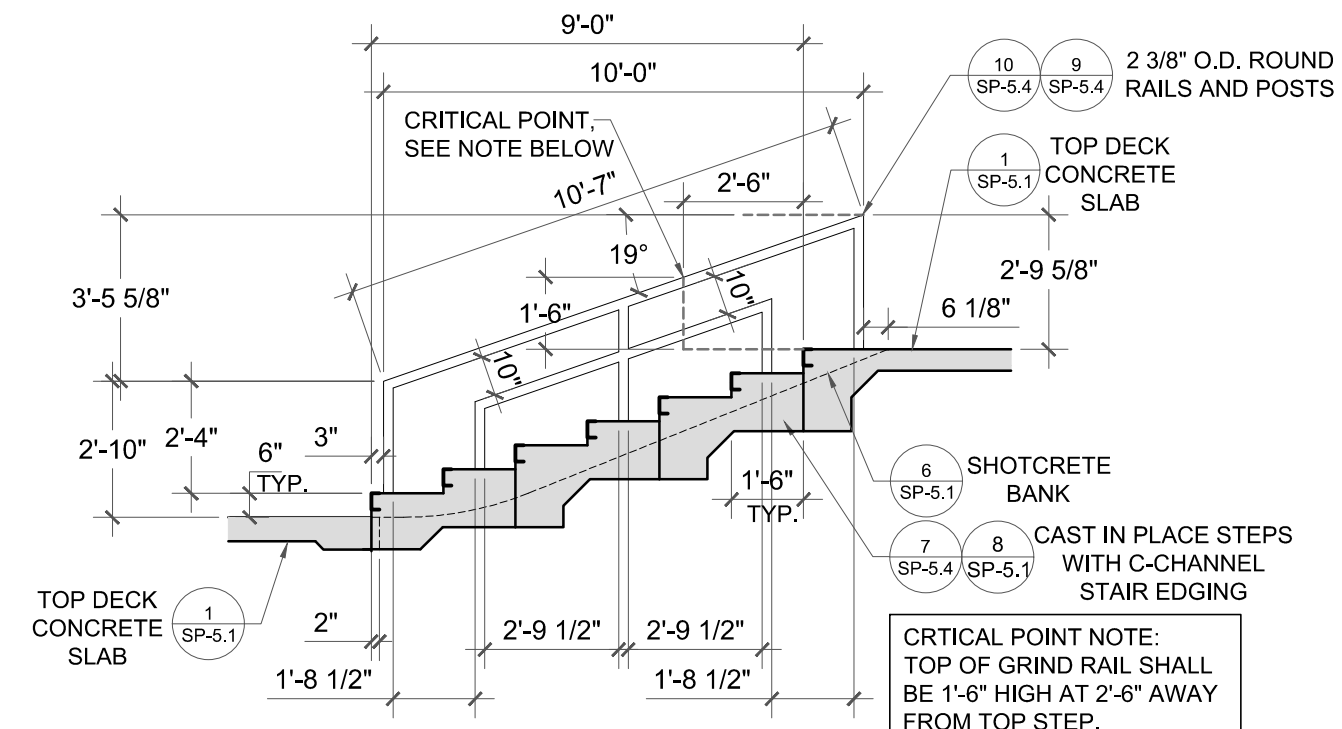
14 SECTION



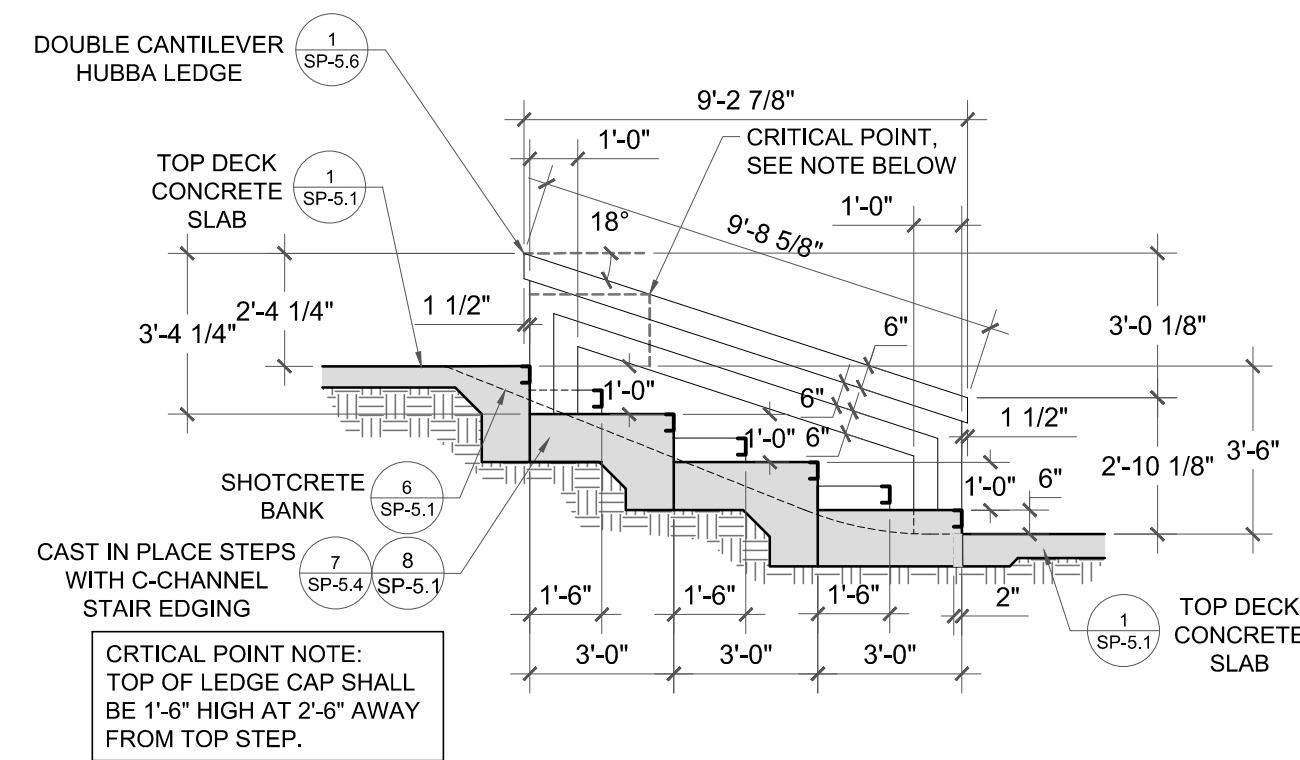
16 SECTION



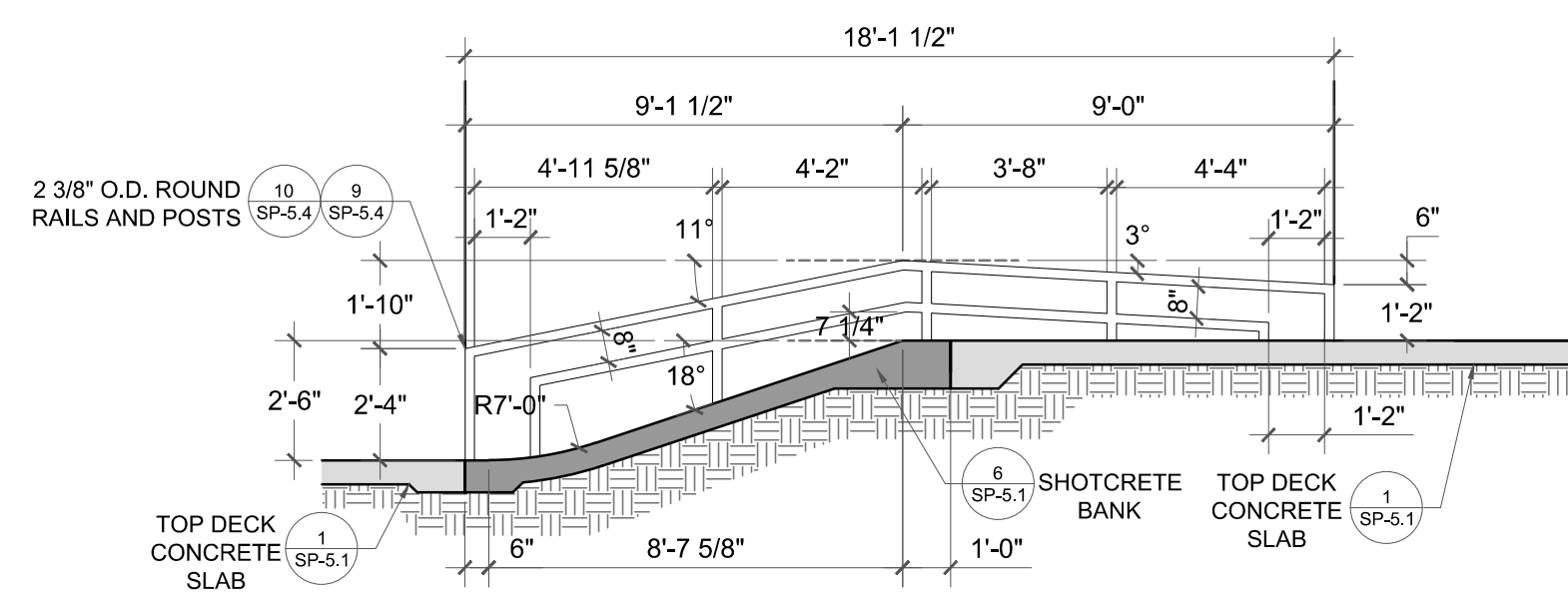
19 SECTION



15 SECTION



17 SECTION



20 SECTION

LICENSE:

LAGRANGE SKATE PLAZA  
CITY OF LAGRANGE, GA

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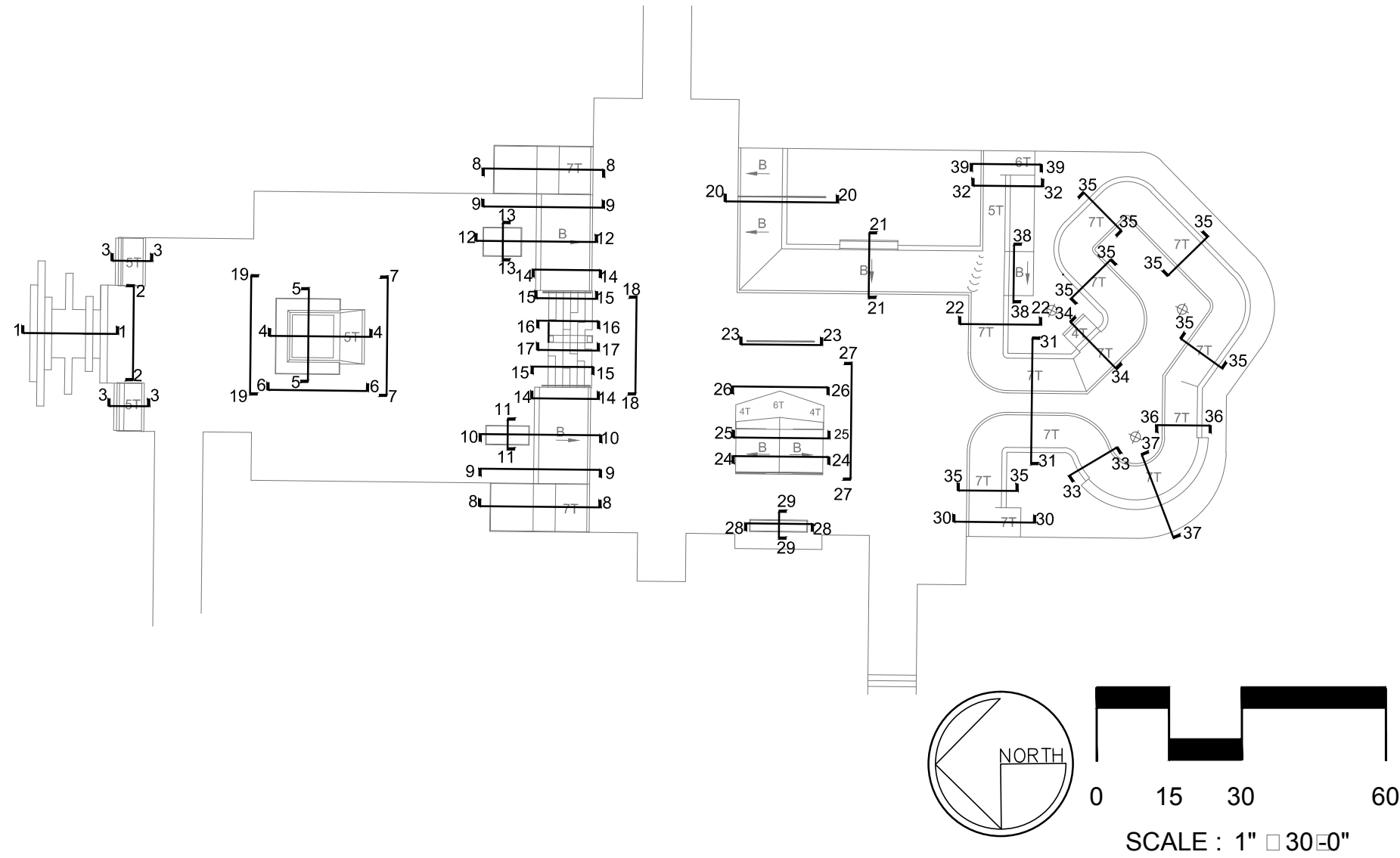
REVISIONS:

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- 3

SHEET NUMBER:

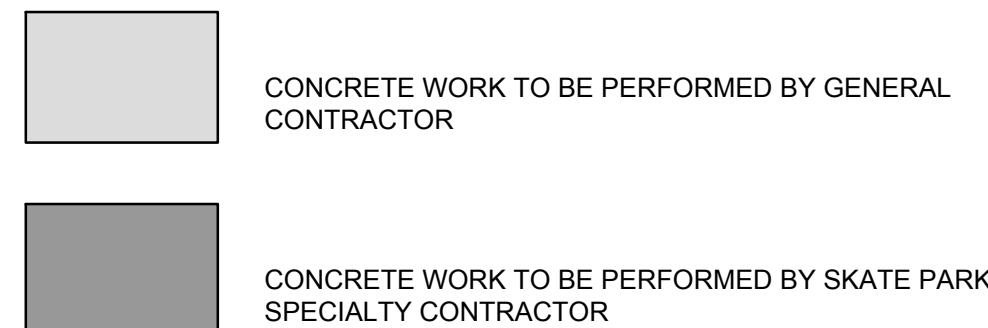
SP-4.3





KEY MAP

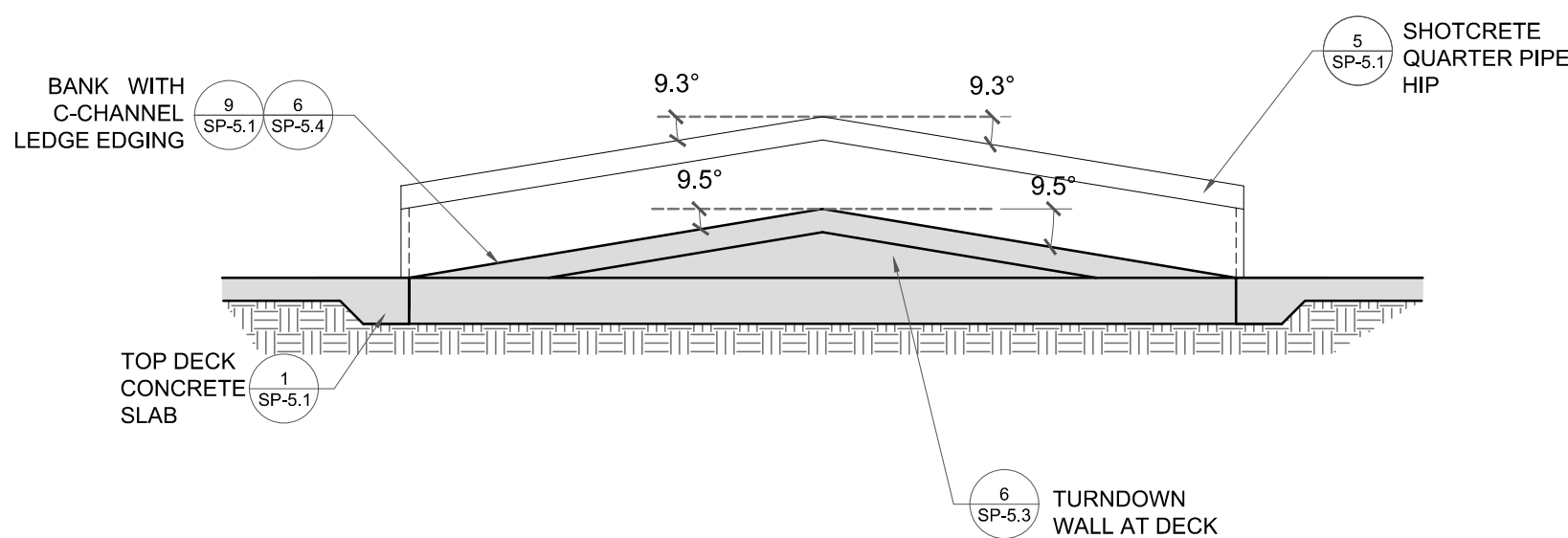
CONCRETE GENERAL/SPECIALTY WORK LEGEND



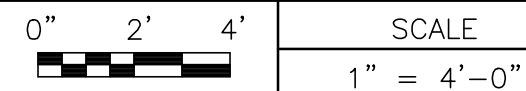
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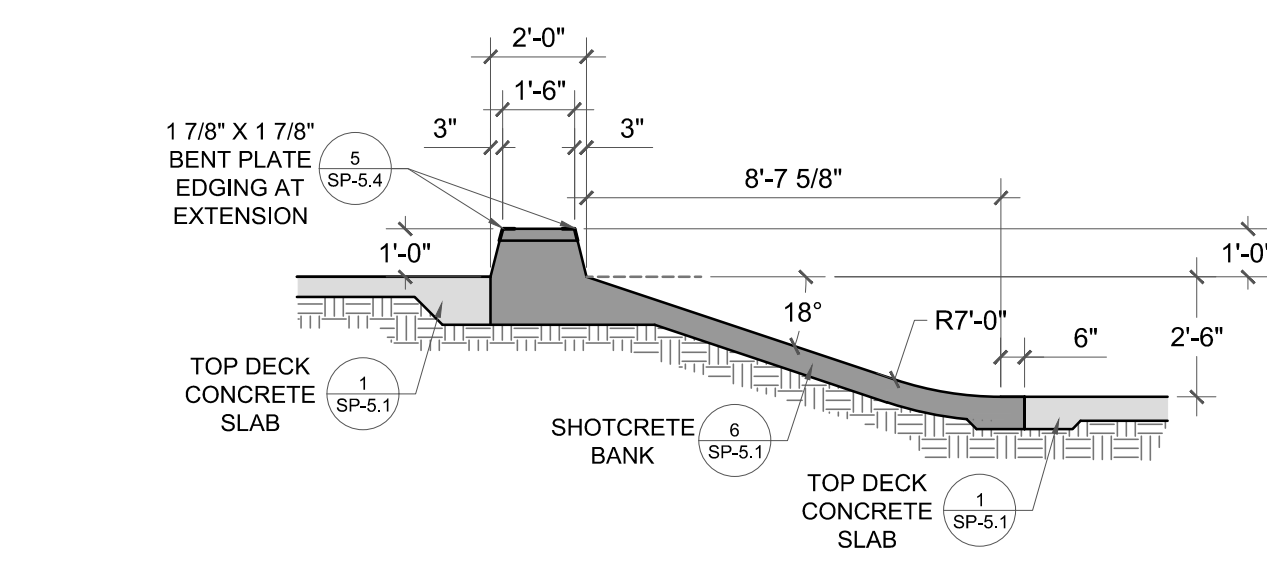
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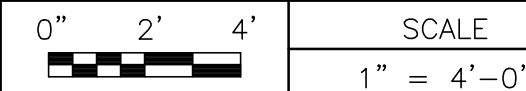
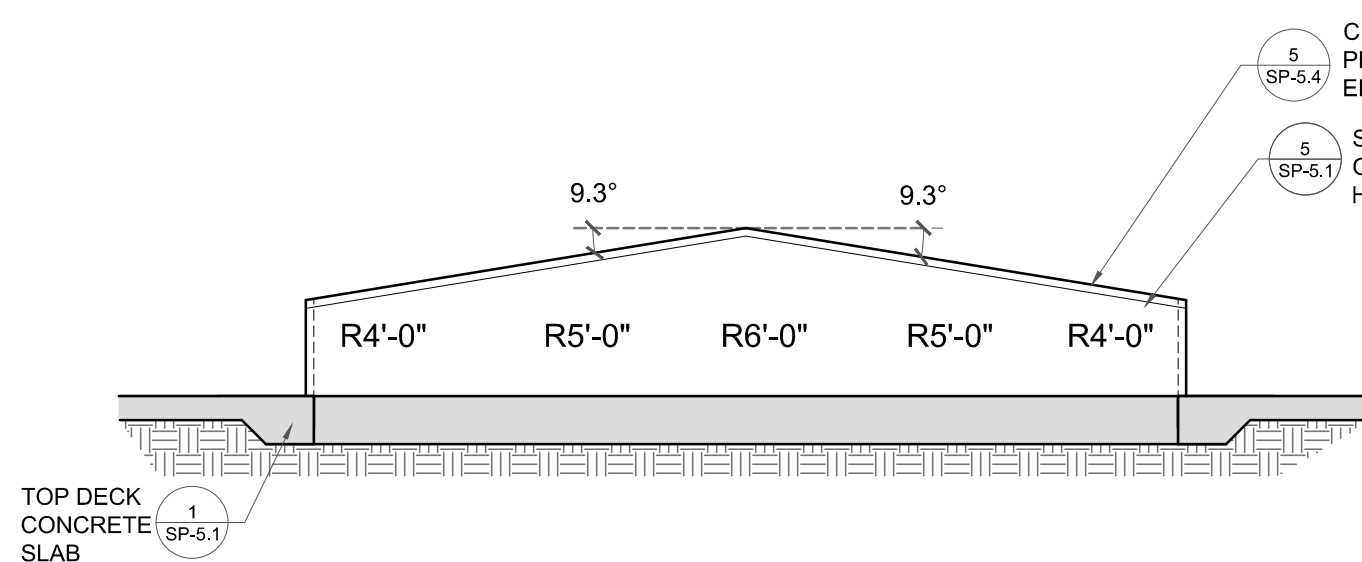
25 SECTION



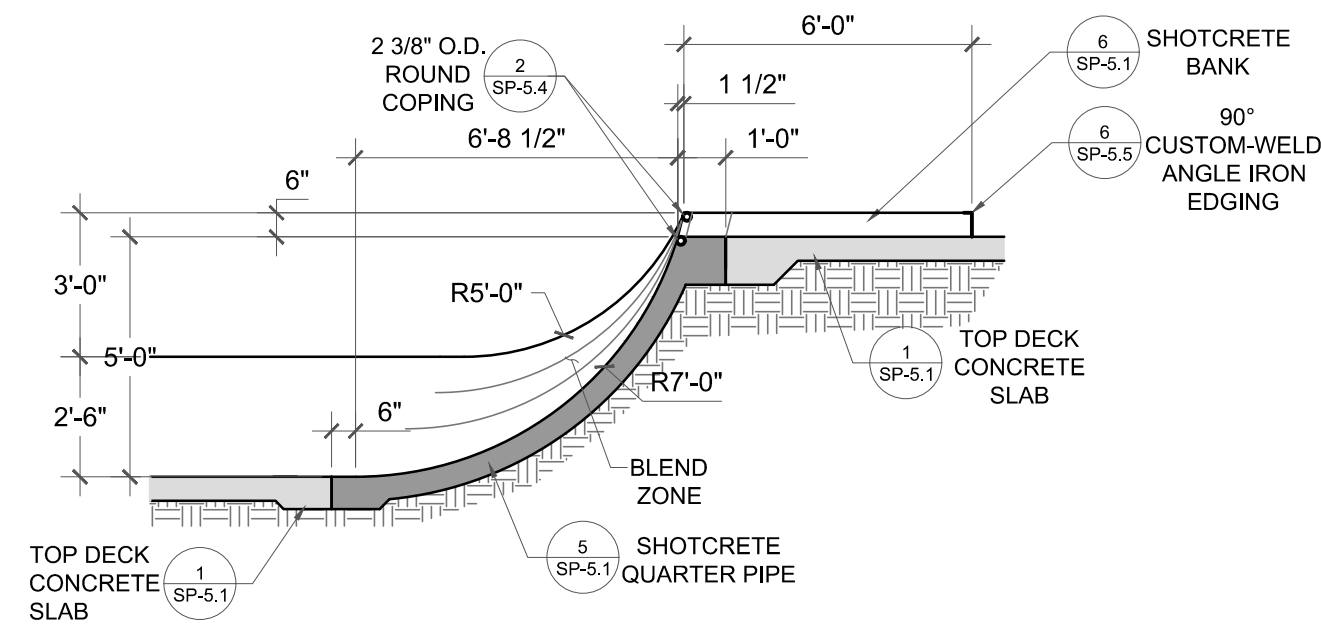
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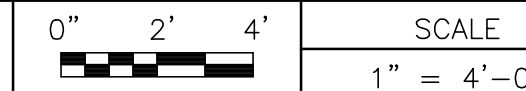
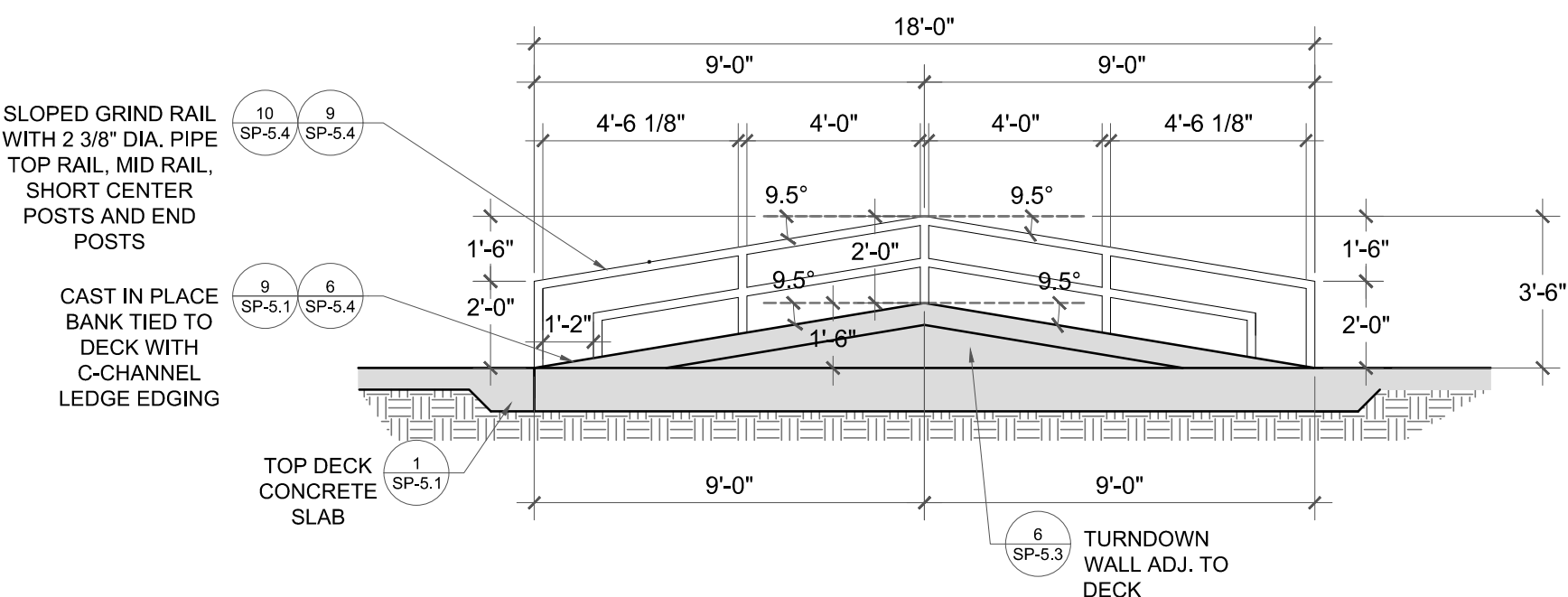
26 SECTION



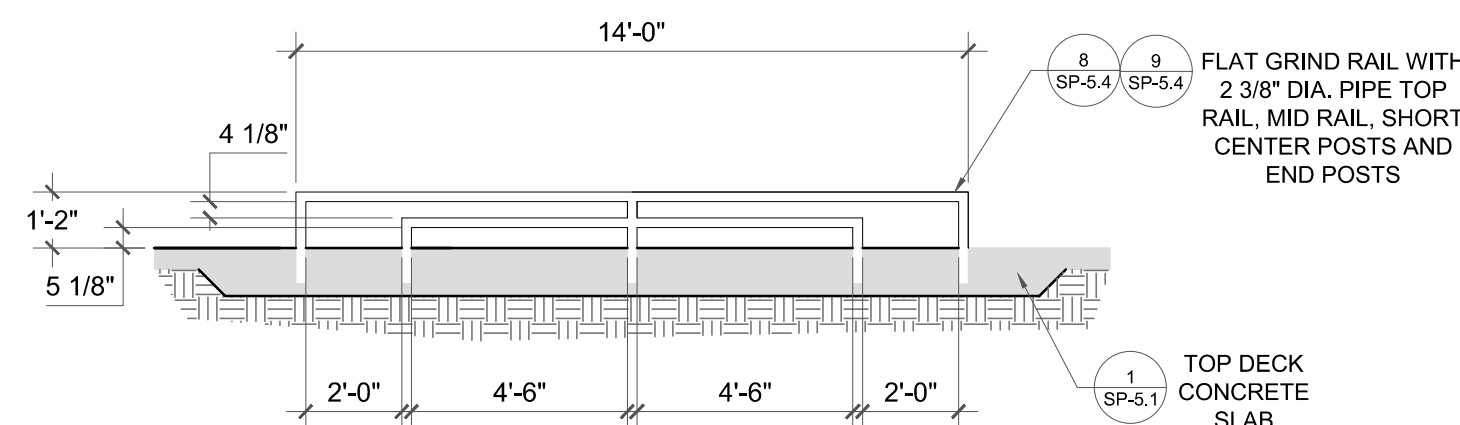
22 SECTION



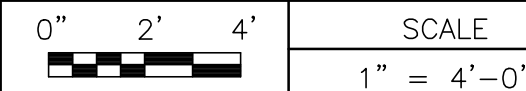
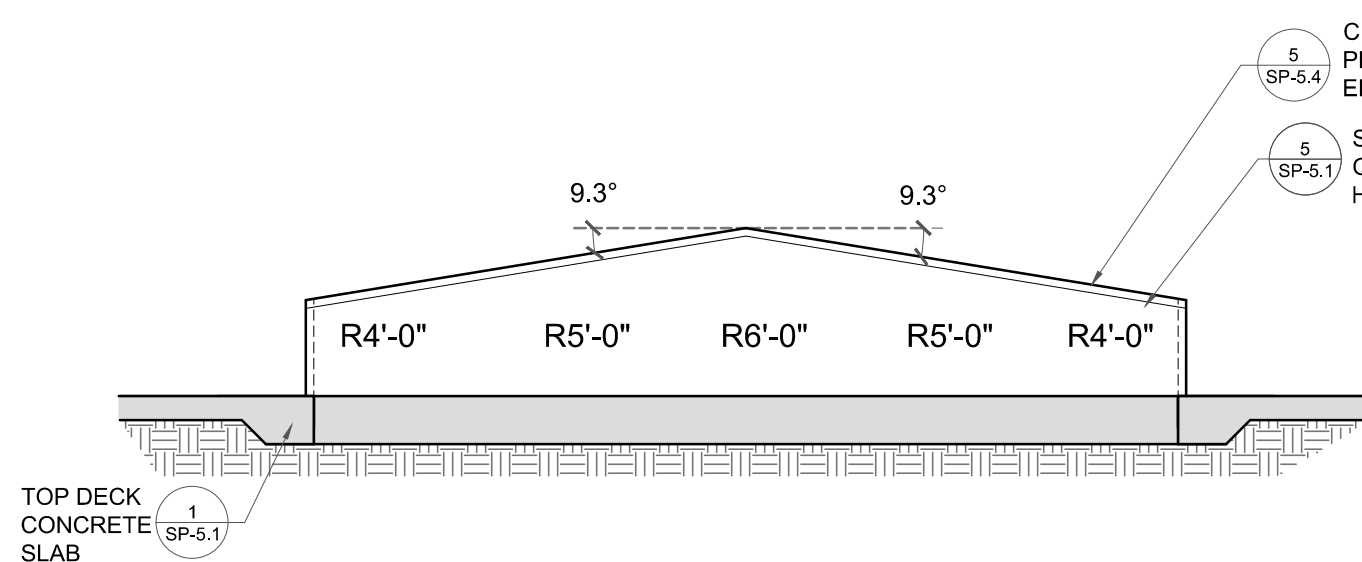
27 SECTION



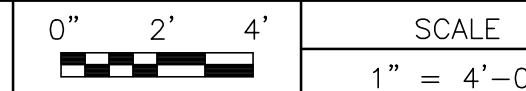
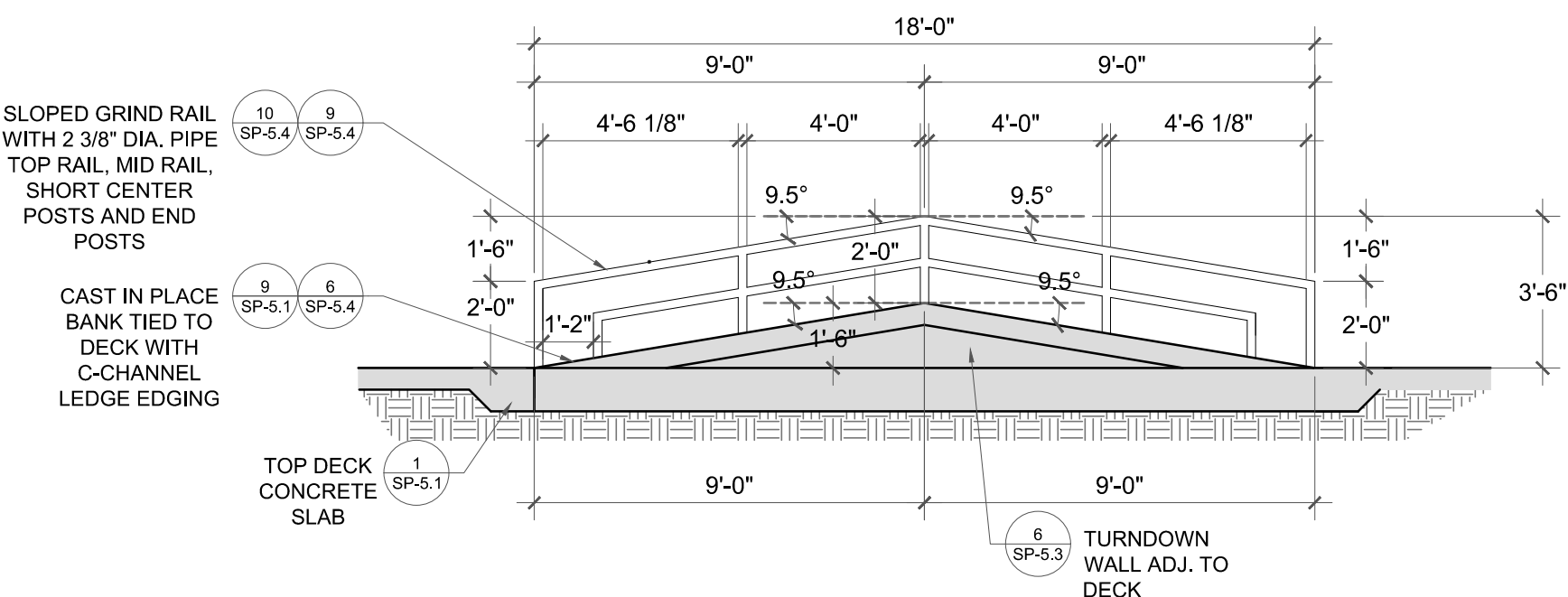
23 SECTION



26 SECTION



24 SECTION



LICENSE:

LAGRANGE SKATE PLAZA  
CITY OF LAGRANGE, GA

SKATE PARK- SECTIONS / PROFILES

PROJECT:

SHEET TITLE:

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SHEET NUMBER:

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LICENSE:

LAGRANGE SKATE PLAZA  
CITY OF LAGRANGE, GA

SKATE PARK- SECTIONS / PROFILES

PROJECT:

SHEET TITLE:

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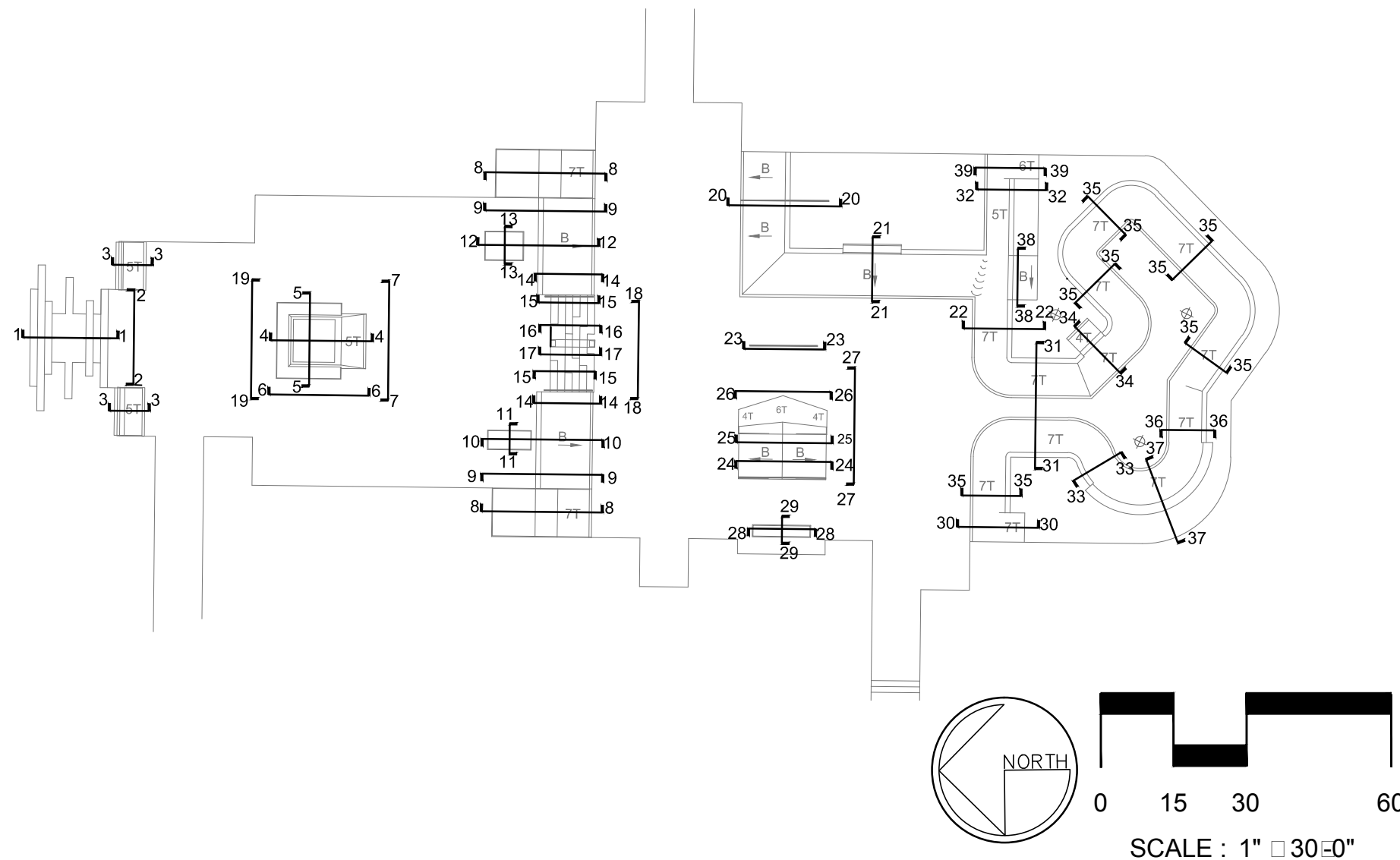
KR

REVISIONS:

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SHEET NUMBER:

SP-4.5



## KEY MAP

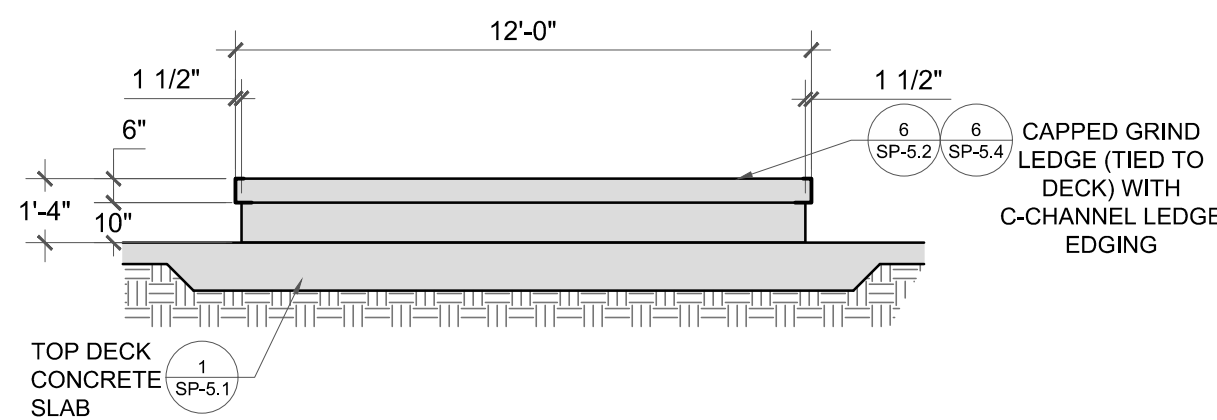
### CONCRETE GENERAL/SPECIALTY WORK LEGEND

	CONCRETE WORK TO BE PERFORMED BY GENERAL CONTRACTOR
	CONCRETE WORK TO BE PERFORMED BY SKATE PARK SPECIALTY CONTRACTOR

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## NOTES

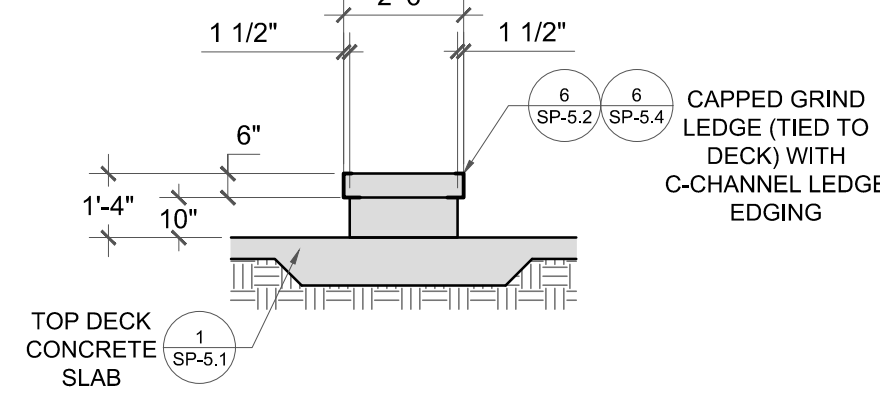


## 28 SECTION

0" 2' 4'

SCALE

1" = 4'-0"

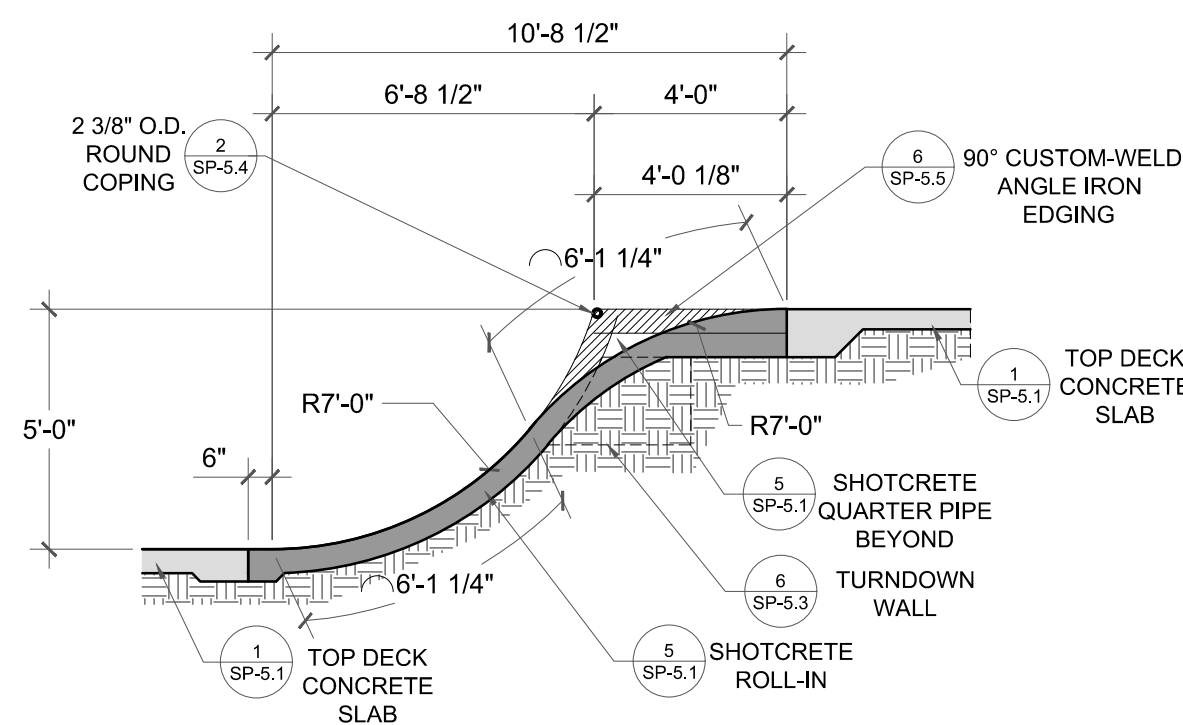


## 29 SECTION

0" 2' 4'

SCALE

1" = 4'-0"

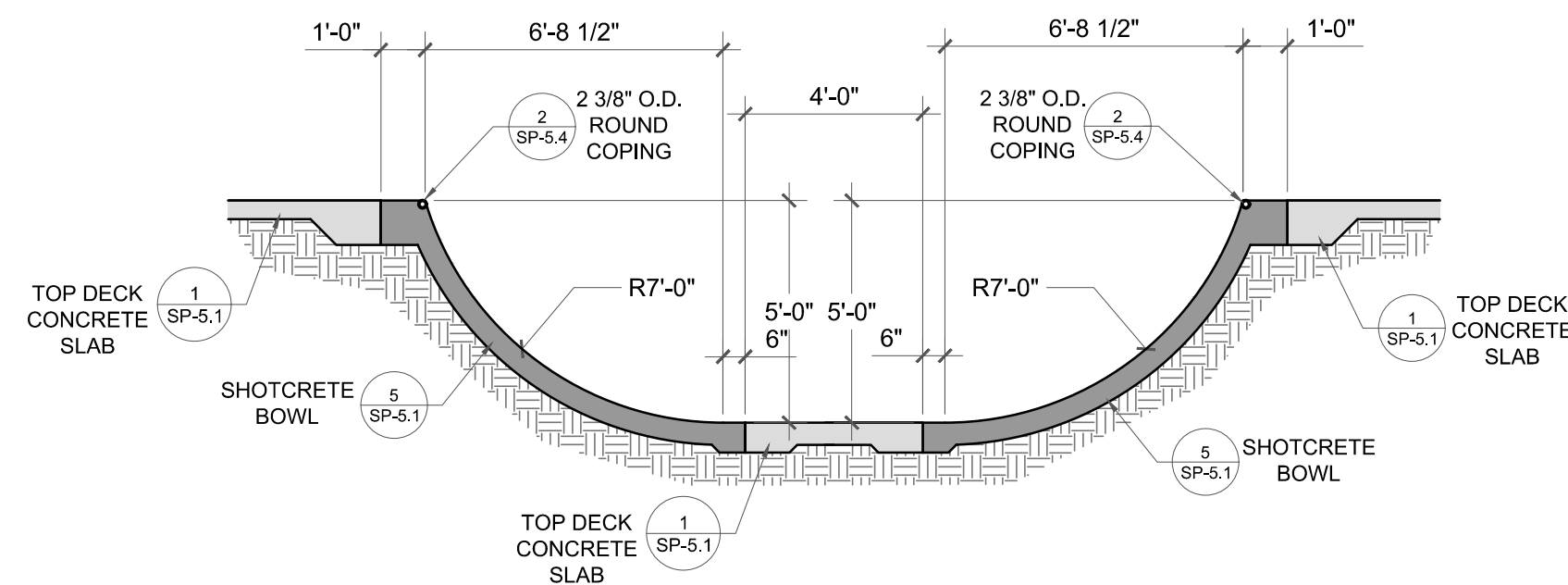


## 30 SECTION

0" 2' 4'

SCALE

1" = 4'-0"

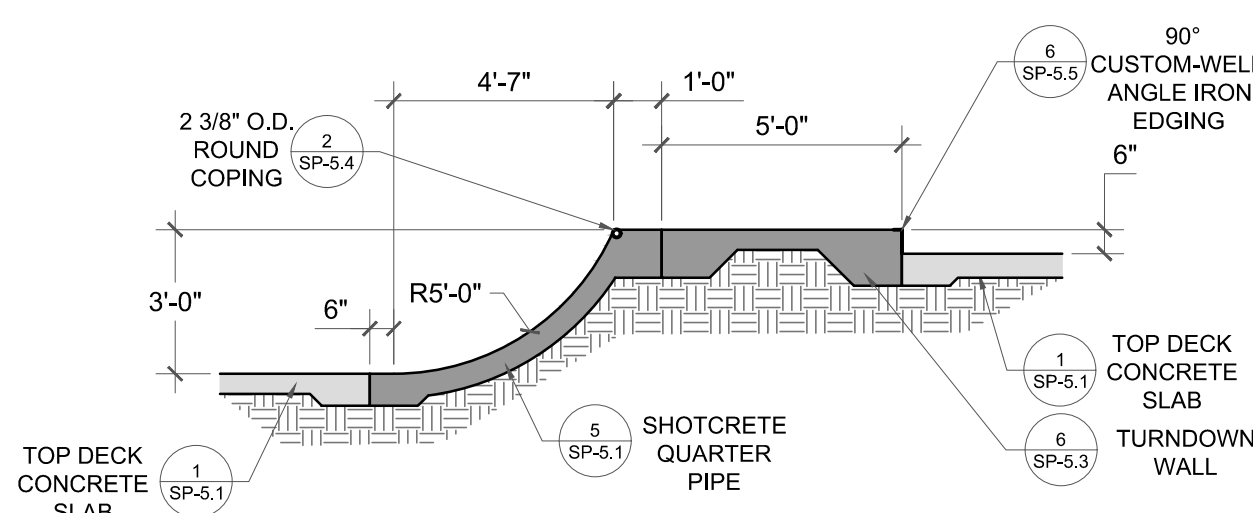


## 31 SECTION

0" 2' 4'

SCALE

1" = 4'-0"

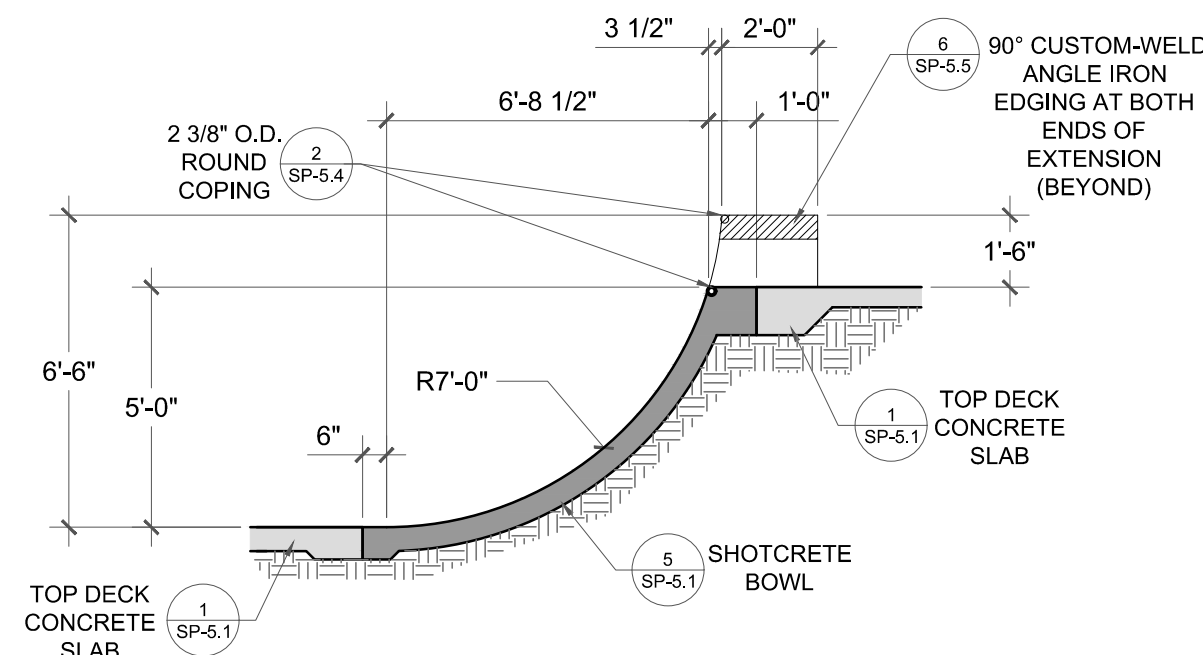


## 32 SECTION

0" 2' 4'

SCALE

1" = 4'-0"



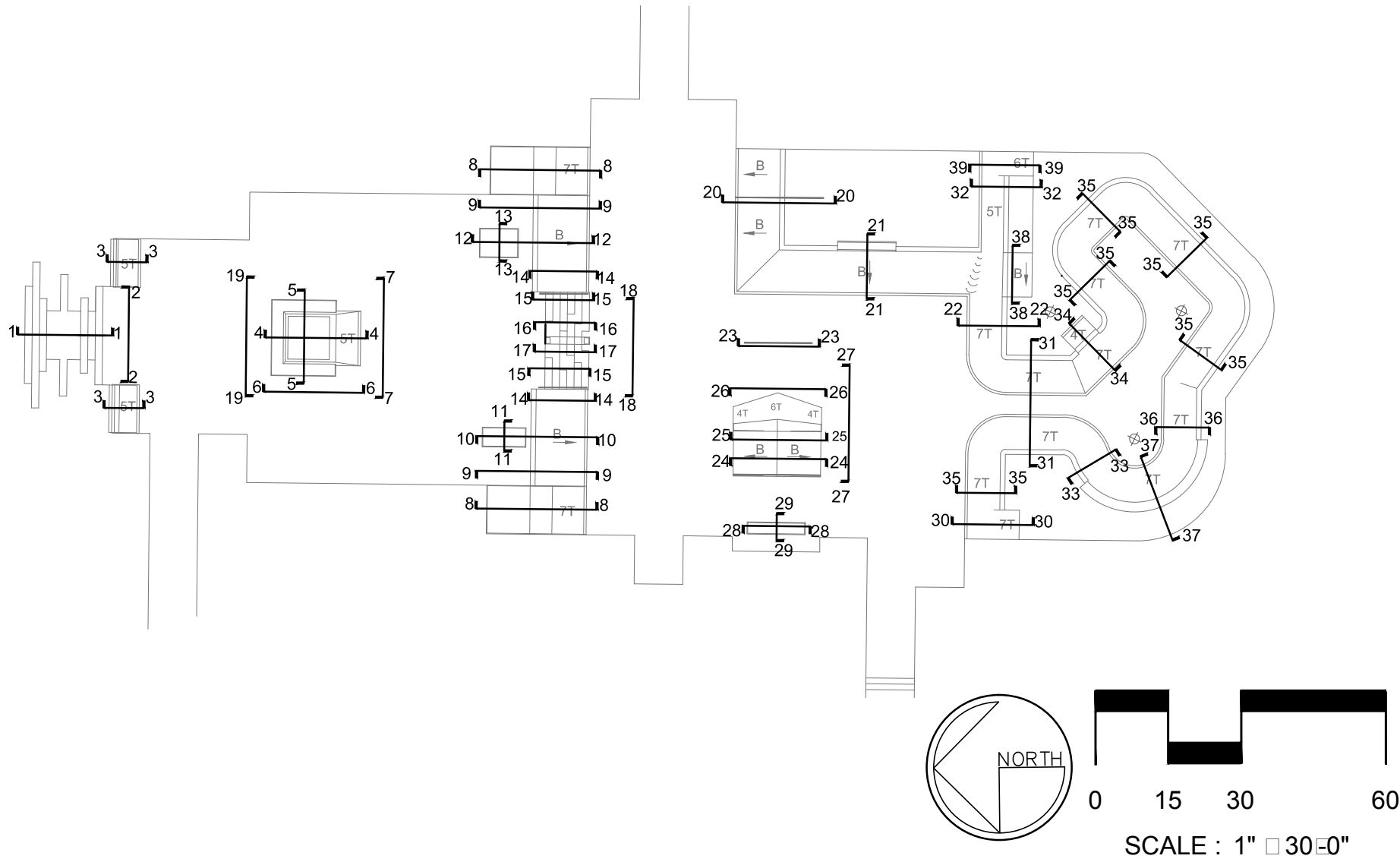
## 33 SECTION

0" 2' 4'

SCALE

1" = 4'-0"





KEY MAP

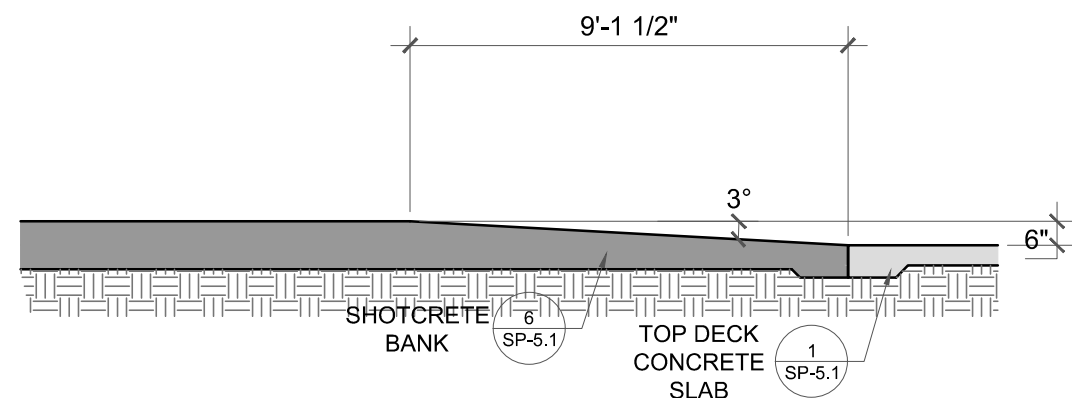
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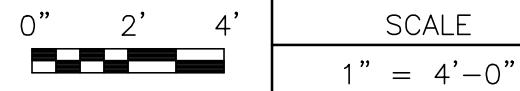
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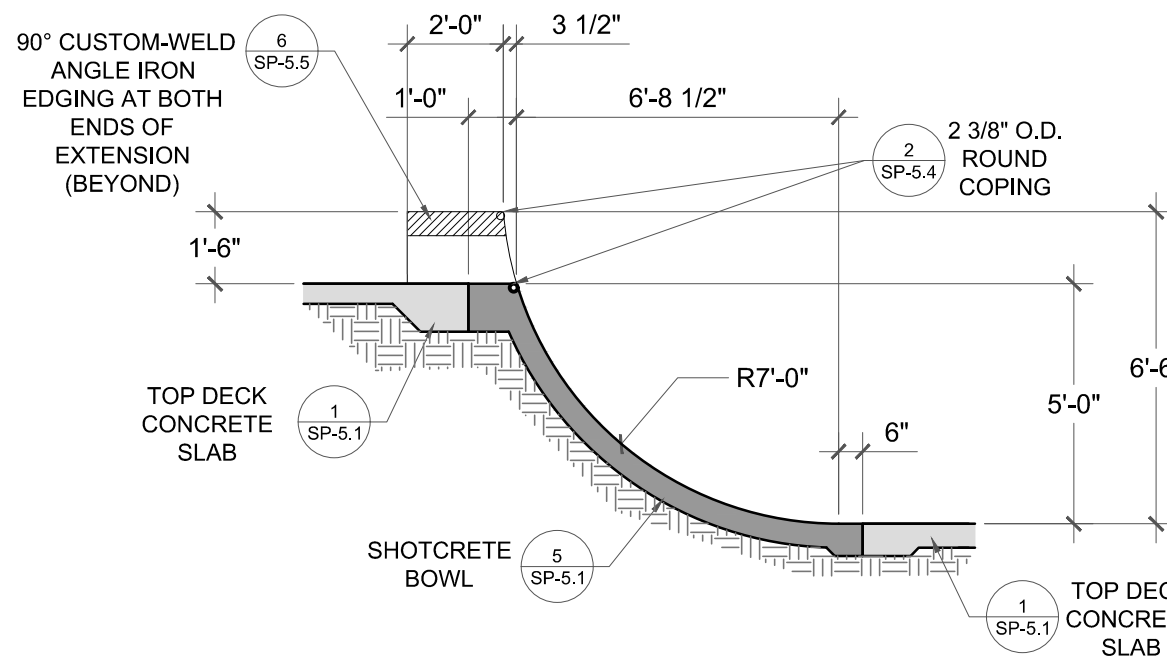
NOTES



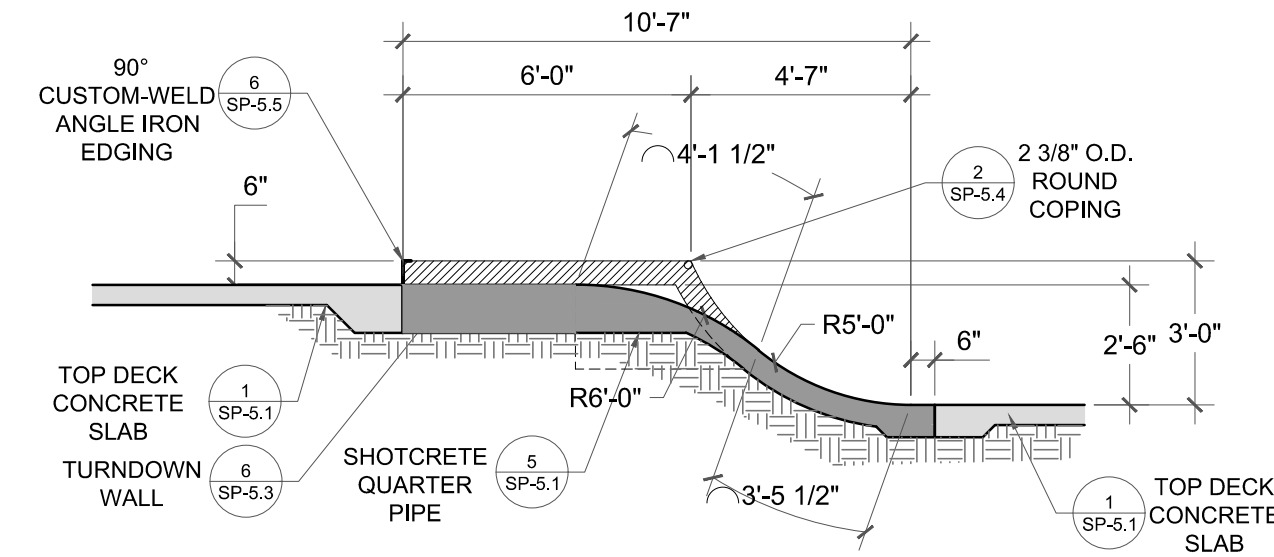
38 SECTION



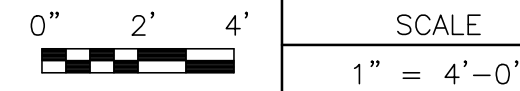
34 SECTION



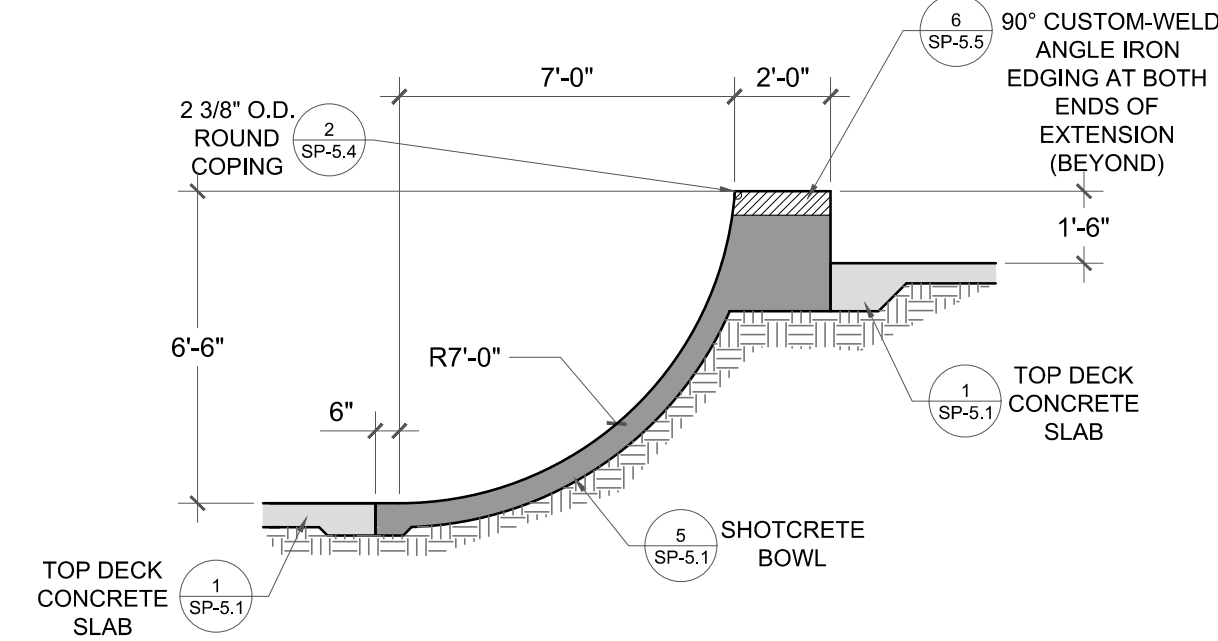
36 SECTION



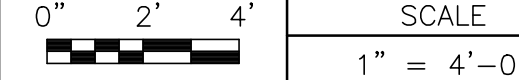
39 SECTION



35 SECTION



37 SECTION



LICENSE:

LAGRANGE SKATE PLAZA  
CITY OF LAGRANGE, GA

SKATE PARK- SECTIONS / PROFILES

PROJECT:

SHEET TITLE:

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SHEET NUMBER:

SP-4.6



LICENSE:

LAGRANGE SKATE PLAZA  
CITY OF LAGRANGE, GA

SKATE PARK- CONSTRUCTION DETAILS

PROJECT:

SHEET TITLE:

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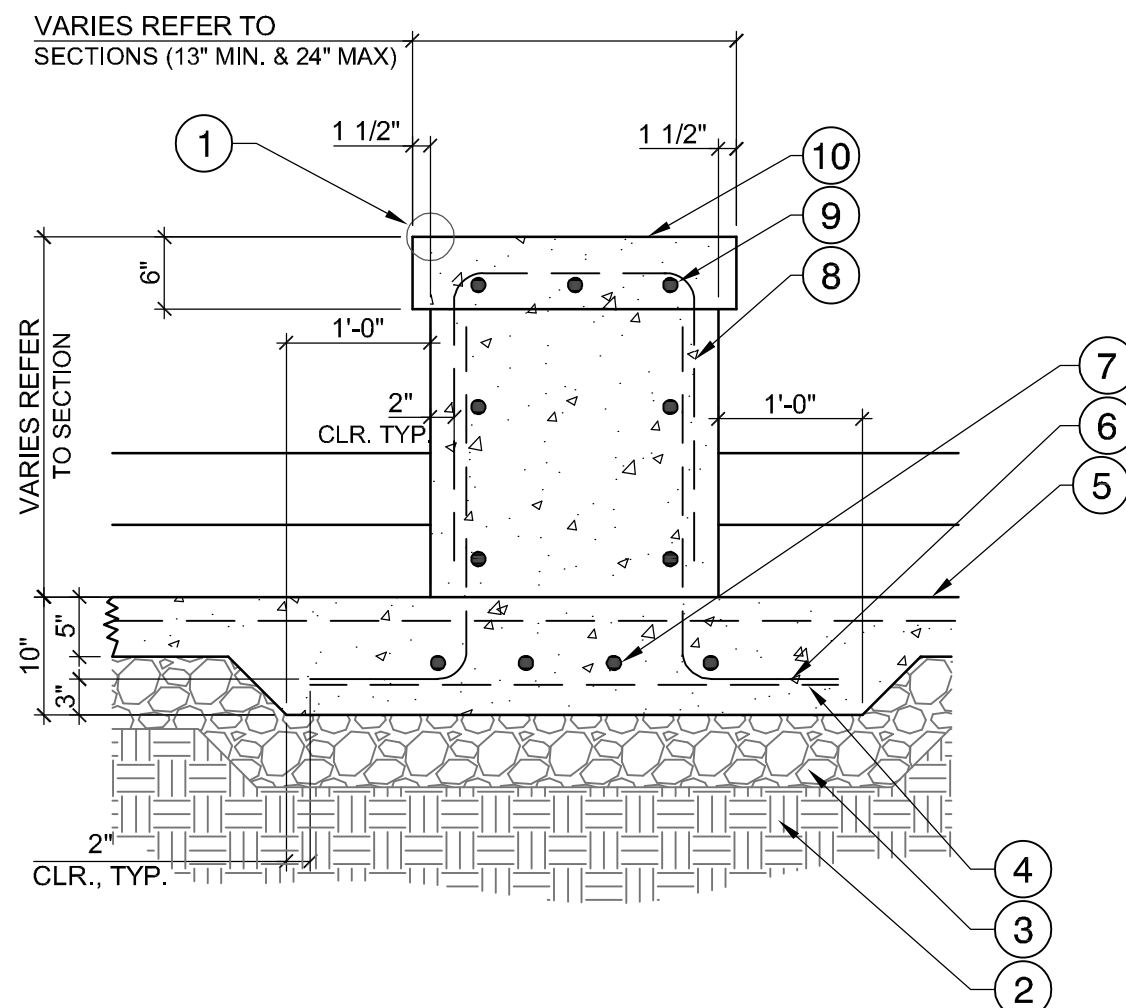
REVISIONS:

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2. \_\_\_\_\_  
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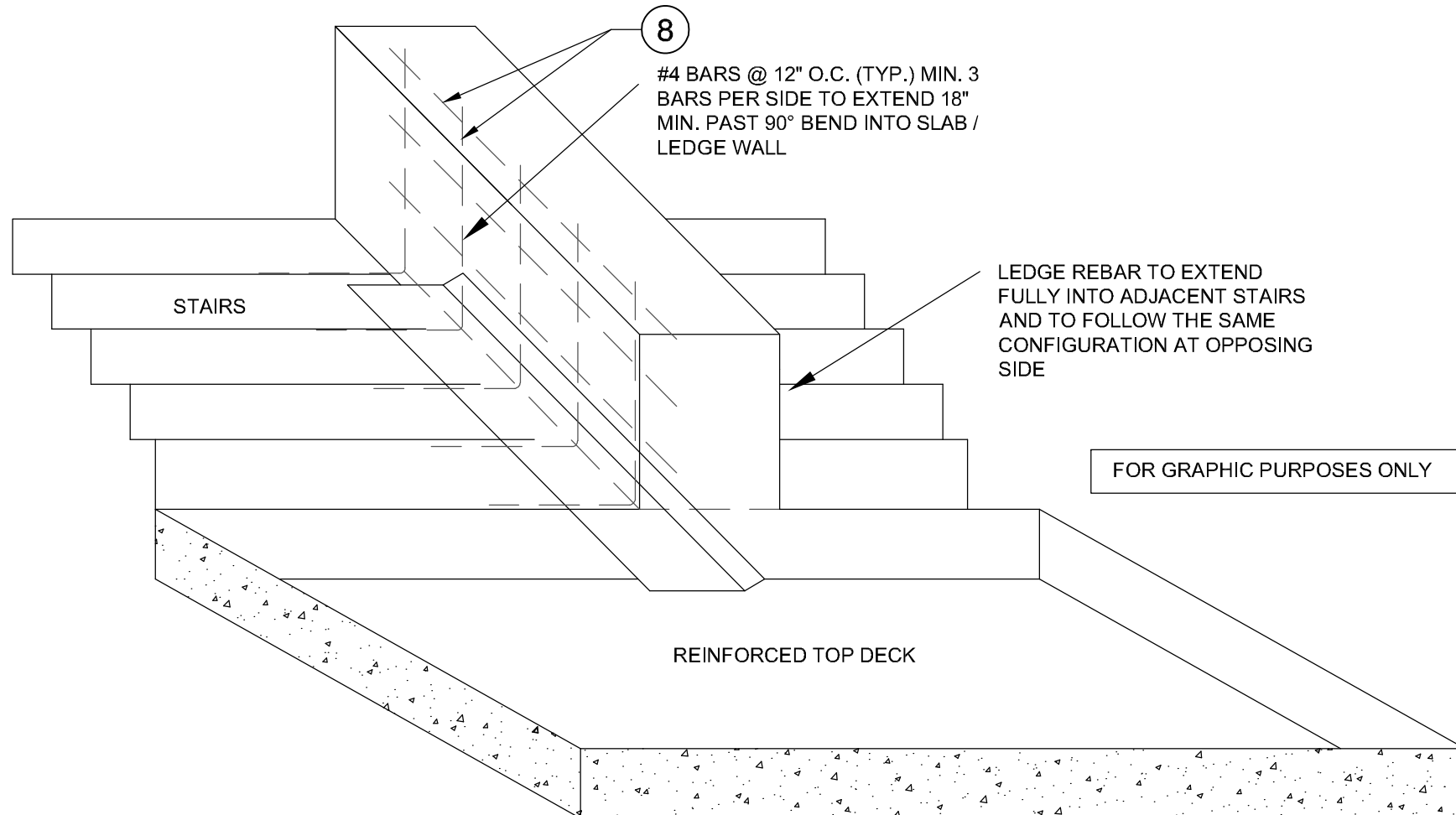
SHEET NUMBER:

SP-5.2

- 1 COPING - REFER TO MATERIALS PLAN FOR TYPE & LOCATION.
- 2 90% COMPACTED SUBGRADE
- 3 4" MIN. AGGREGATE BASE- REFER TO SPECIFICATIONS
- 4 #4 @ 12" O.C. (TYP.) SUPPORT BARS
- 5 REINFORCED TOP DECK



- 6 #4 HOOK DOWELS @ 12"
- 7 #4 BARS @ 12"
- 8 #4 BARS @ 12" O.C. (TYP.)
- 9 #4 BARS @ 12" O.C. (TYP.) MIN. 3 BARS PER SIDE
- 10 STEEL TROWEL FINISH

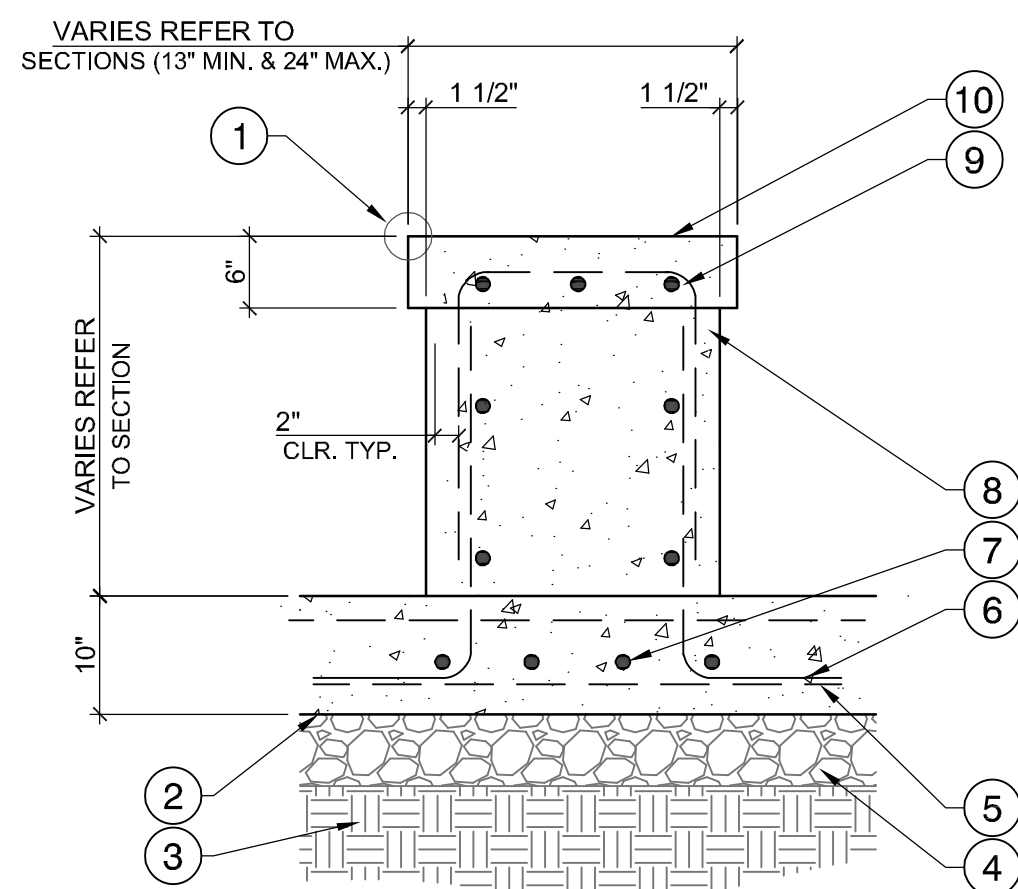


### 1 SLOPED LEDGE TIED INTO STAIRS

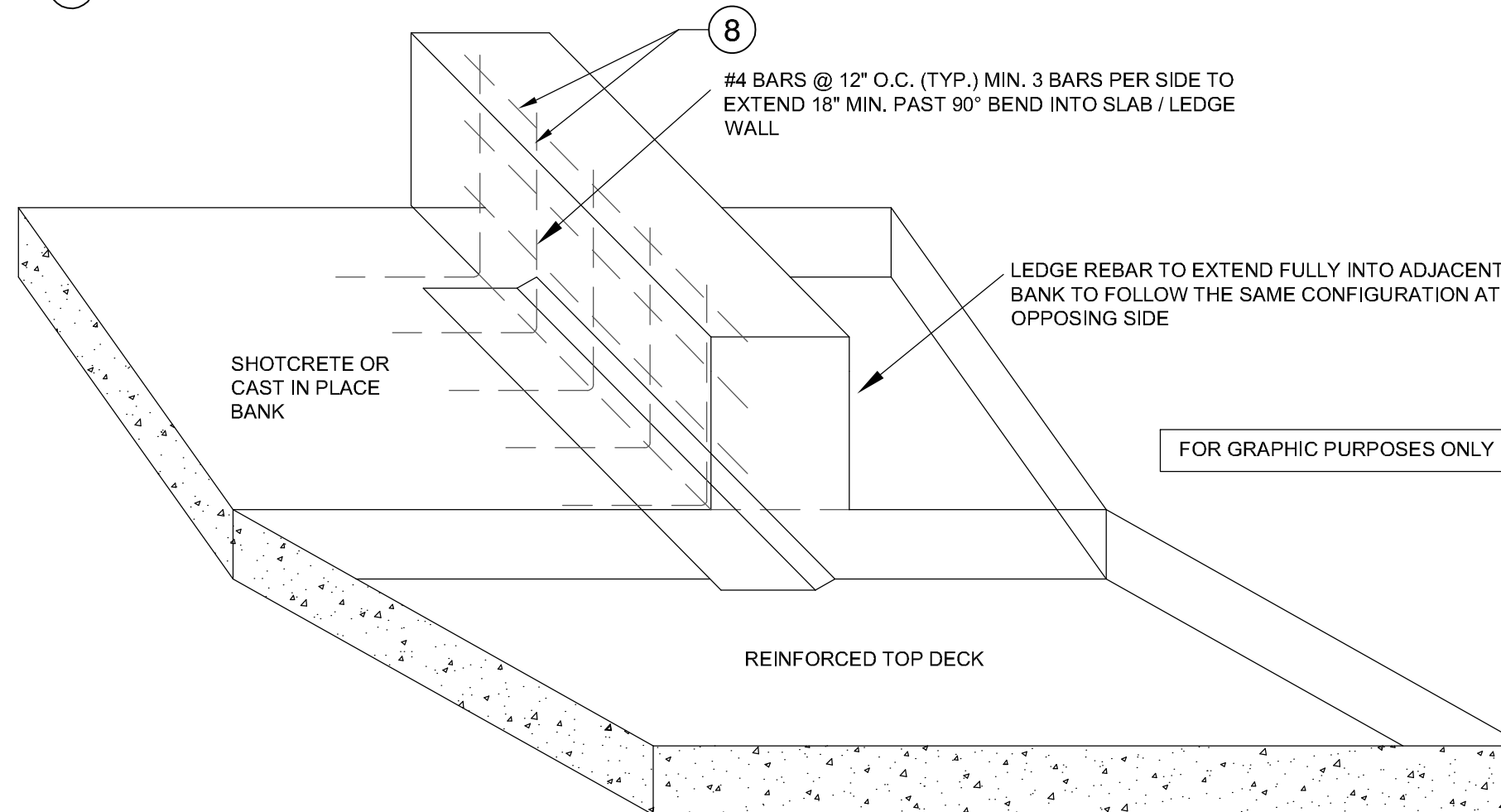
3/4" = 1'-0"

ADD FURTHER DESCRIPTION HERE

- 1 COPING - REFER TO MATERIALS PLAN FOR TYPE & LOCATION.
- 2 SHOTCRETE /CAST IN PLACE BANK, REFER TO MATERIALS PLAN FOR TYPE & LOCATION.
- 3 90% COMPACTED SUBGRADE
- 4 4" MIN. AGGREGATE BASE- REFER TO SPECIFICATIONS
- 5 #4 @ 12" O.C. (TYP.) SUPPORT BARS

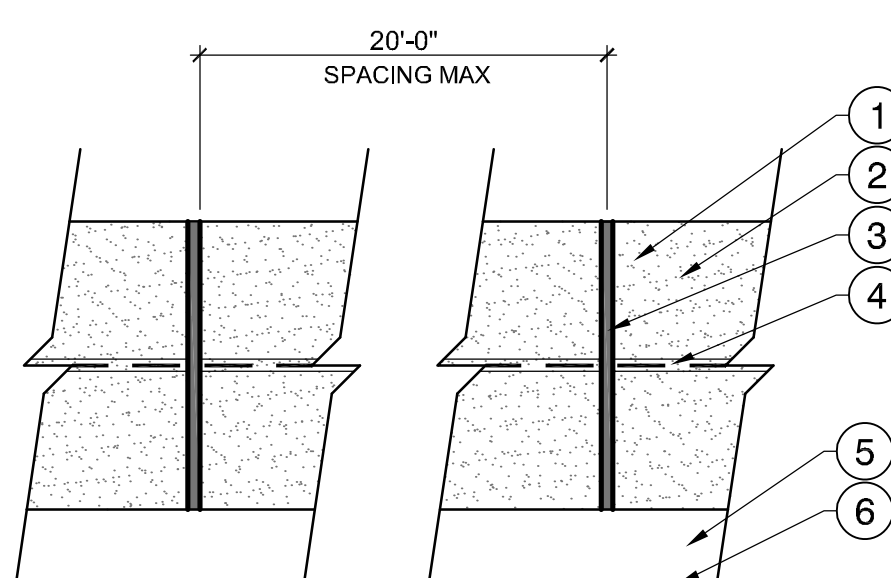


- 6 #4 HOOK DOWELS @ 12"
- 7 #4 BARS @ 12"
- 8 #4 BARS @ 12" O.C. (TYP.)
- 9 #4 BARS @ 12" O.C. (TYP.) MIN. 3 BARS PER SIDE
- 10 STEEL TROWEL FINISH



### 3 SLOPED LEDGE TIED INTO BANK

3/4" = 1'-0"



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

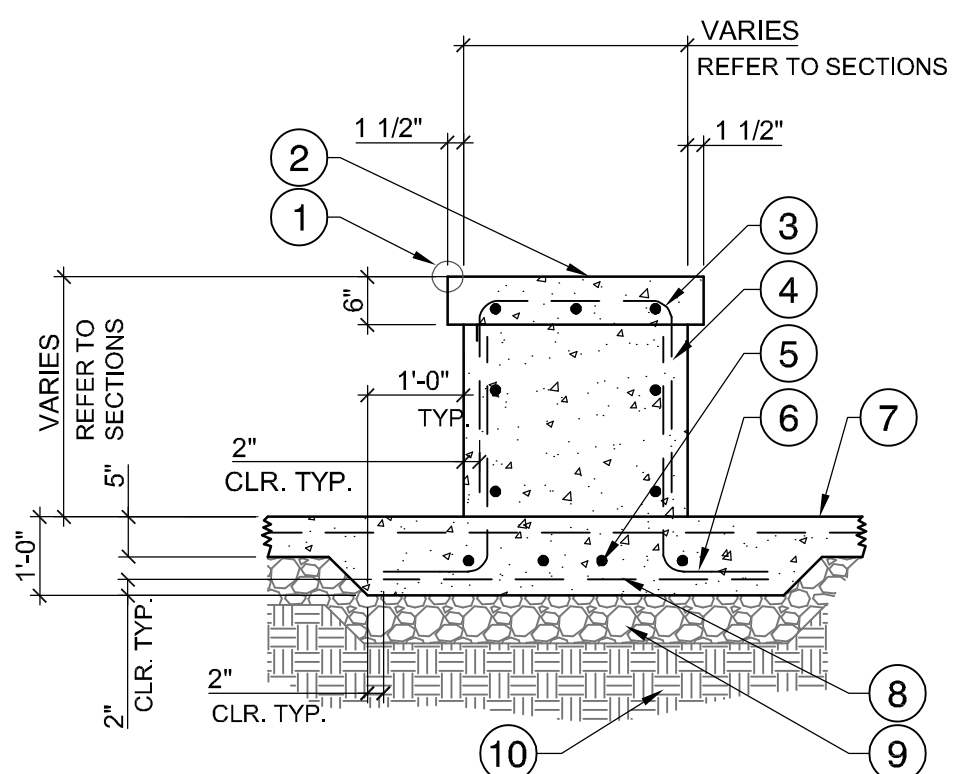
### 5 RETAINING WALL- EXPANSION JOINT & WATER PROOFING

1 1/2" = 1'-0"

SKAT-WC-JO-08

### 6 CAPPED GRIND LEDGE TIED TO DECK

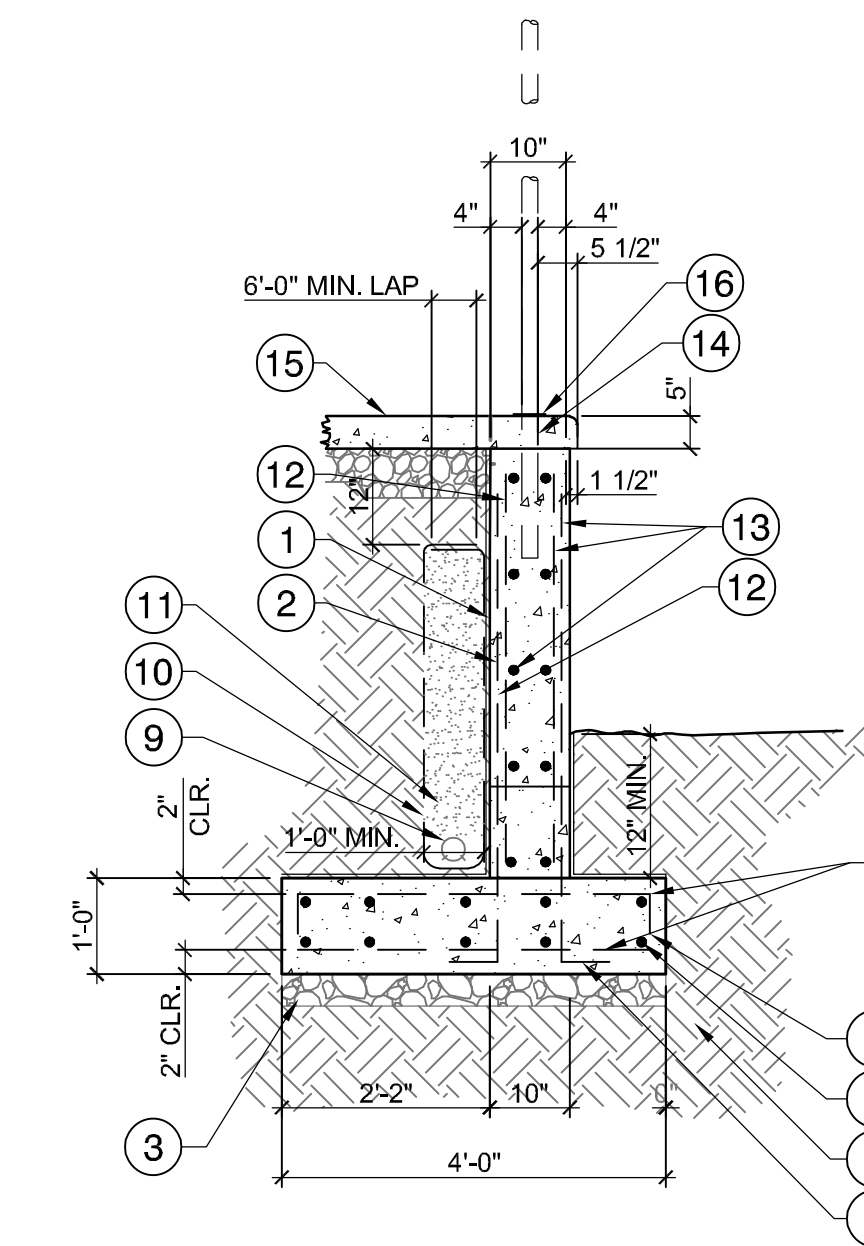
1/2" = 1'-0"



- 1 COPING - REFER TO MATERIALS PLAN FOR TYPE & LOCATION.
- 2 STEEL TROWEL FINISH
- 3 #4 BARS @ 12" O.C. (TYP.) MIN. 3 BARS PER SIDE
- 4 #4 BARS @ 12" O.C. (TYP.)
- 5 #4 BARS @ 12"
- 6 #4 HOOK DOWELS @ 12"
- 7 REINFORCED TOP DECK, REFER TO MATERIALS PLAN FOR TYPE & LOCATION.
- 8 #4 @ 12" O.C. (TYP.) SUPPORT BARS
- 9 4" AGGREGATE BASE COURSE
- 10 90% COMPACTED SUBGRADE

### 4 RETAINING WALL UNDER DECK

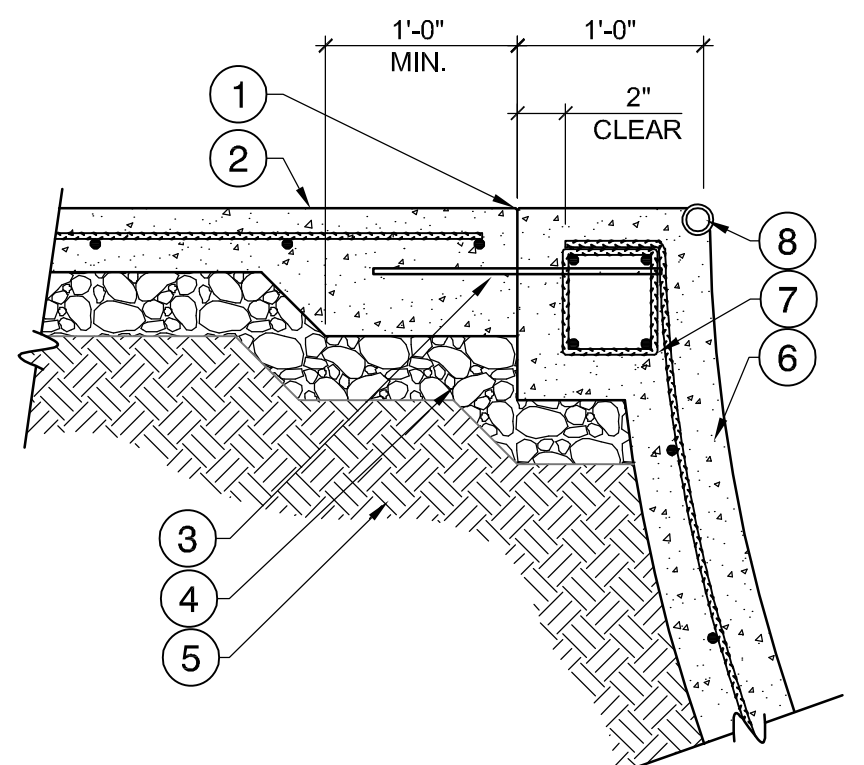
1/2" = 1'-0"



- 1 WATERPROOFING -ASPHALTIC EMULSION, BACK OF WALL AND BELOW GRADE
- 2 #4 DOWELS @ 12" CONT.
- 3 AGGREGATE BASE COURSE
- 4 1'-0" HOOK, TYP.
- 5 COMPACTED BASE COURSE
- 6 #4 REBAR @ 12" CONT. -T&B
- 7 STD. HOOK- EA. END TOP BARS
- 8 #5 REBAR @ 12"
- 9 4" DIA. (MIN.) PERFORATED PVC PIPE ORIENTED DOWN MIN. 1% GRADIENT TO OUTLET VERIFY WITH CIVIL PLANS
- 10 FILTER FABRIC ENVELOPE VERIFY WITH CIVIL PLANS
- 11 3/4" TO 1-1/2" CLEAN GRAVEL VERIFY WITH CIVIL PLANS
- 12 #4 DOWELS @ 16" CONT.
- 13 #4 REBAR @ 12" CONT.
- 14 GUARDRAIL POST WITH MIN. 12" EMBEDMENT INTO WALL (WHERE SPECIFIED ON PLANS)
- 15 REINFORCED TOP DECK
- 16 STEEL PLATE

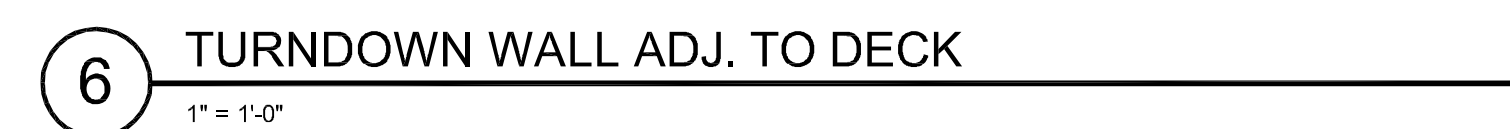
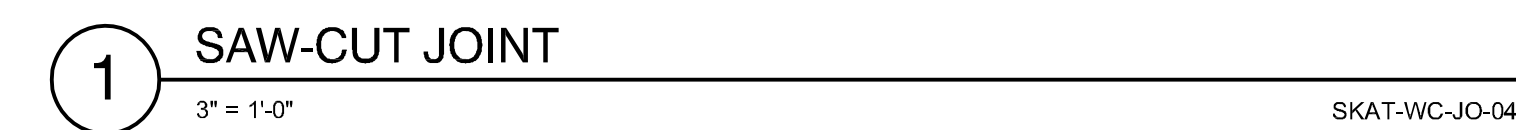
### 7 TYPICAL BOND BEAM

1" = 1'-0"

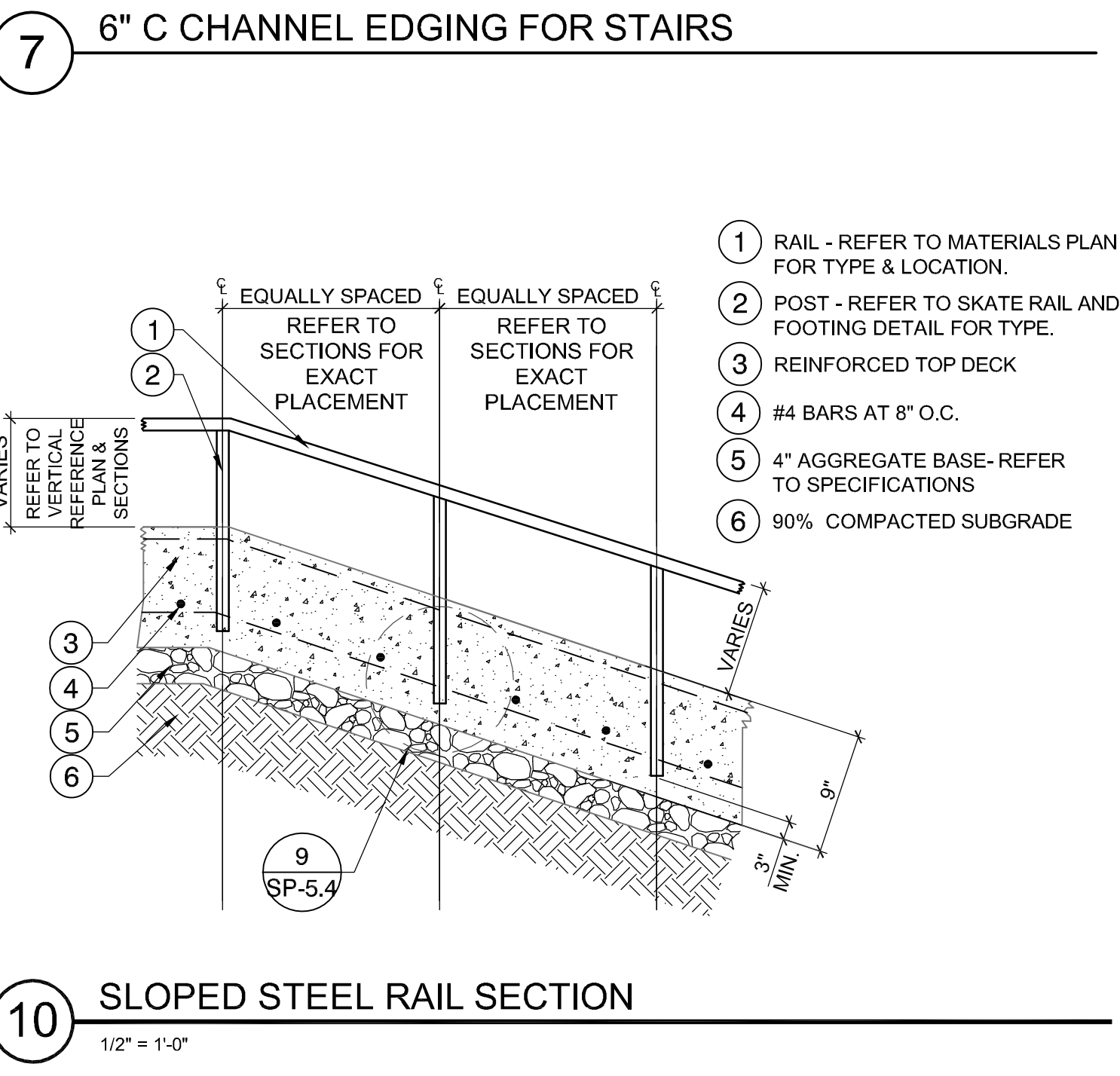
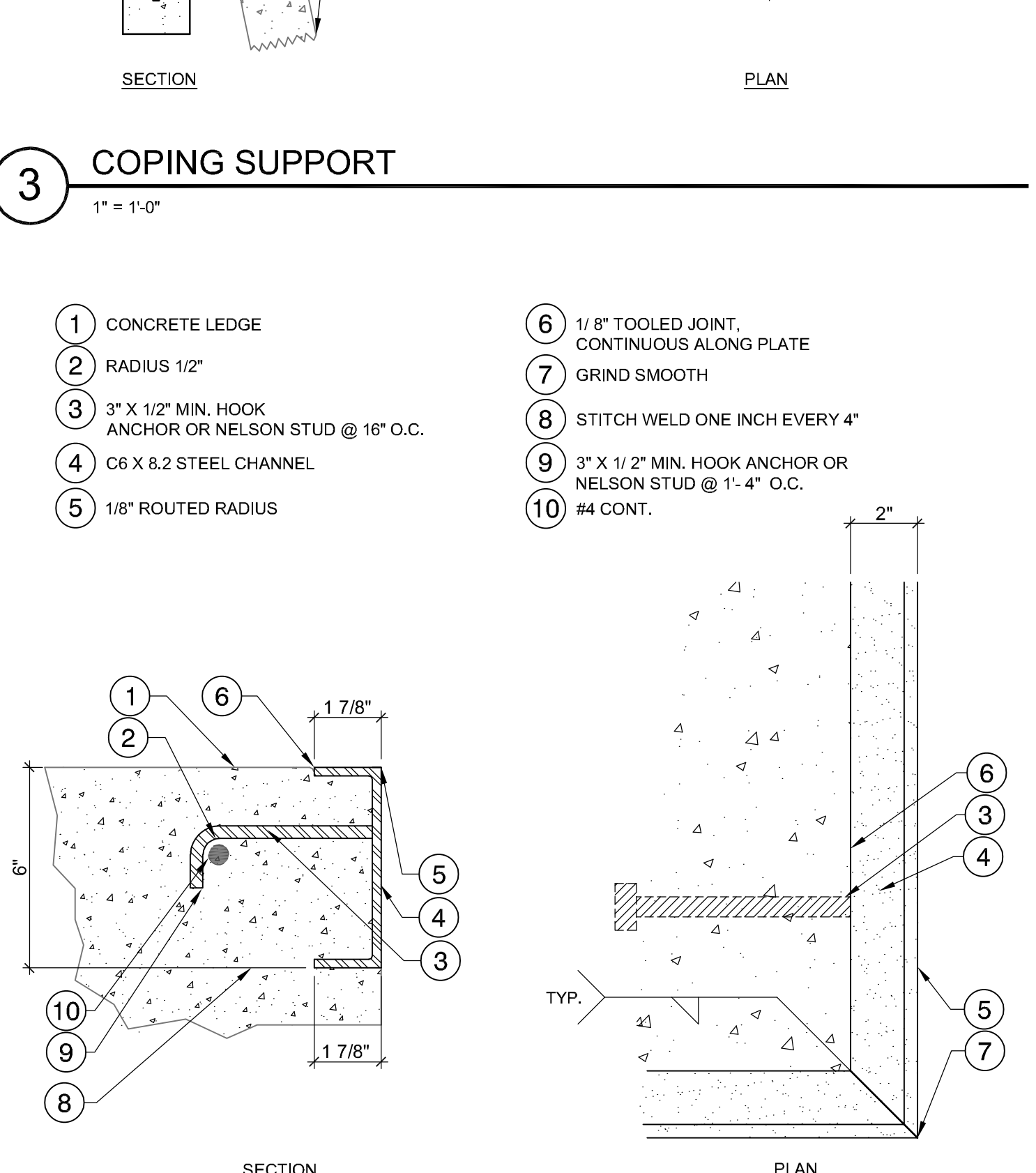
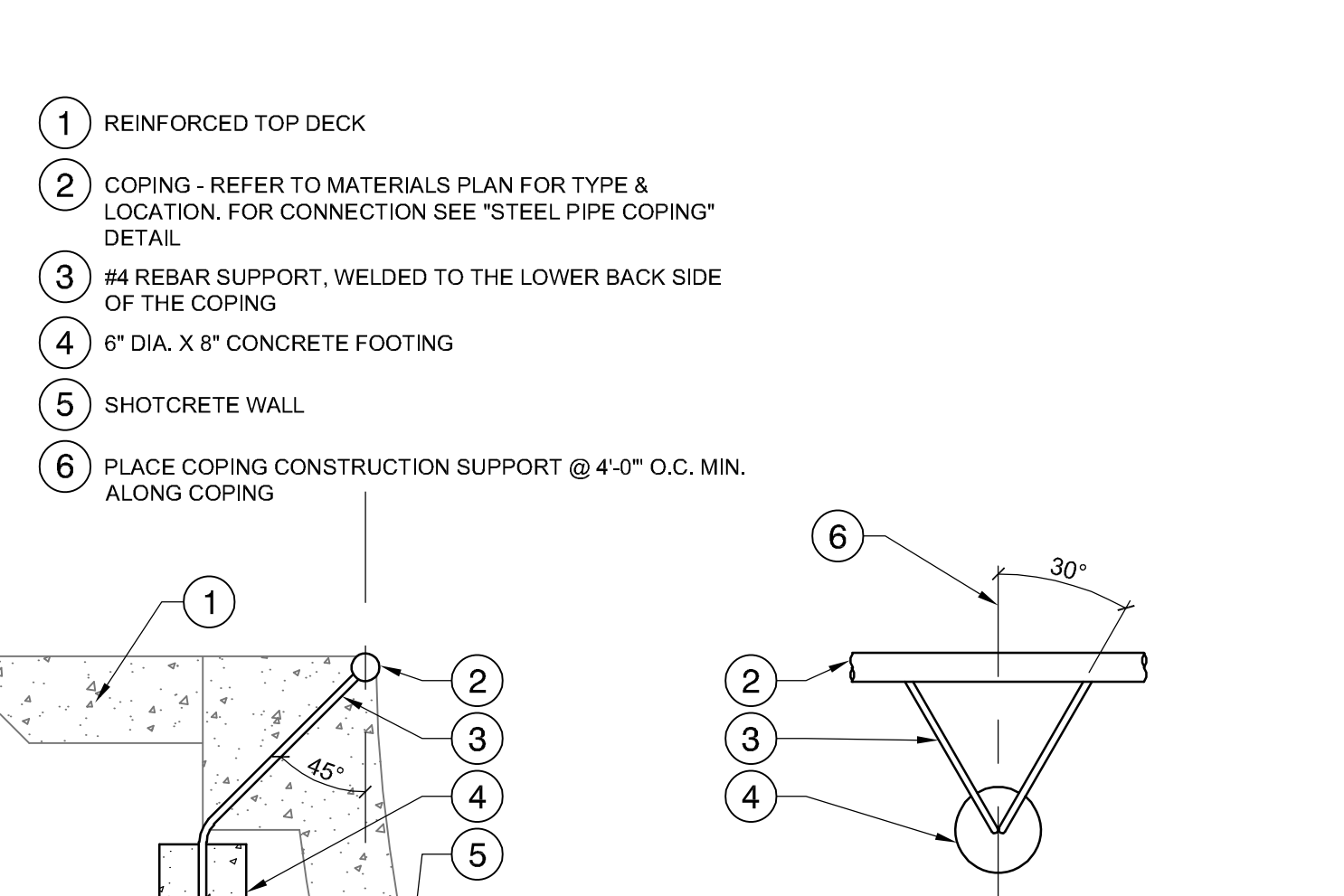
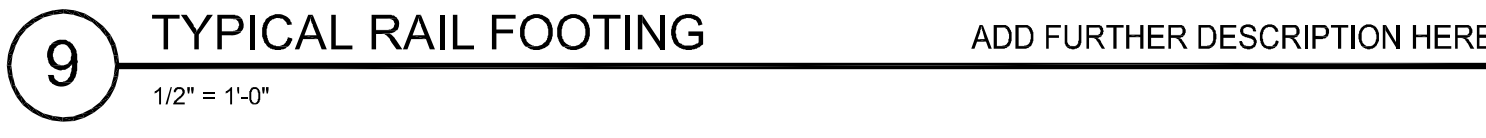
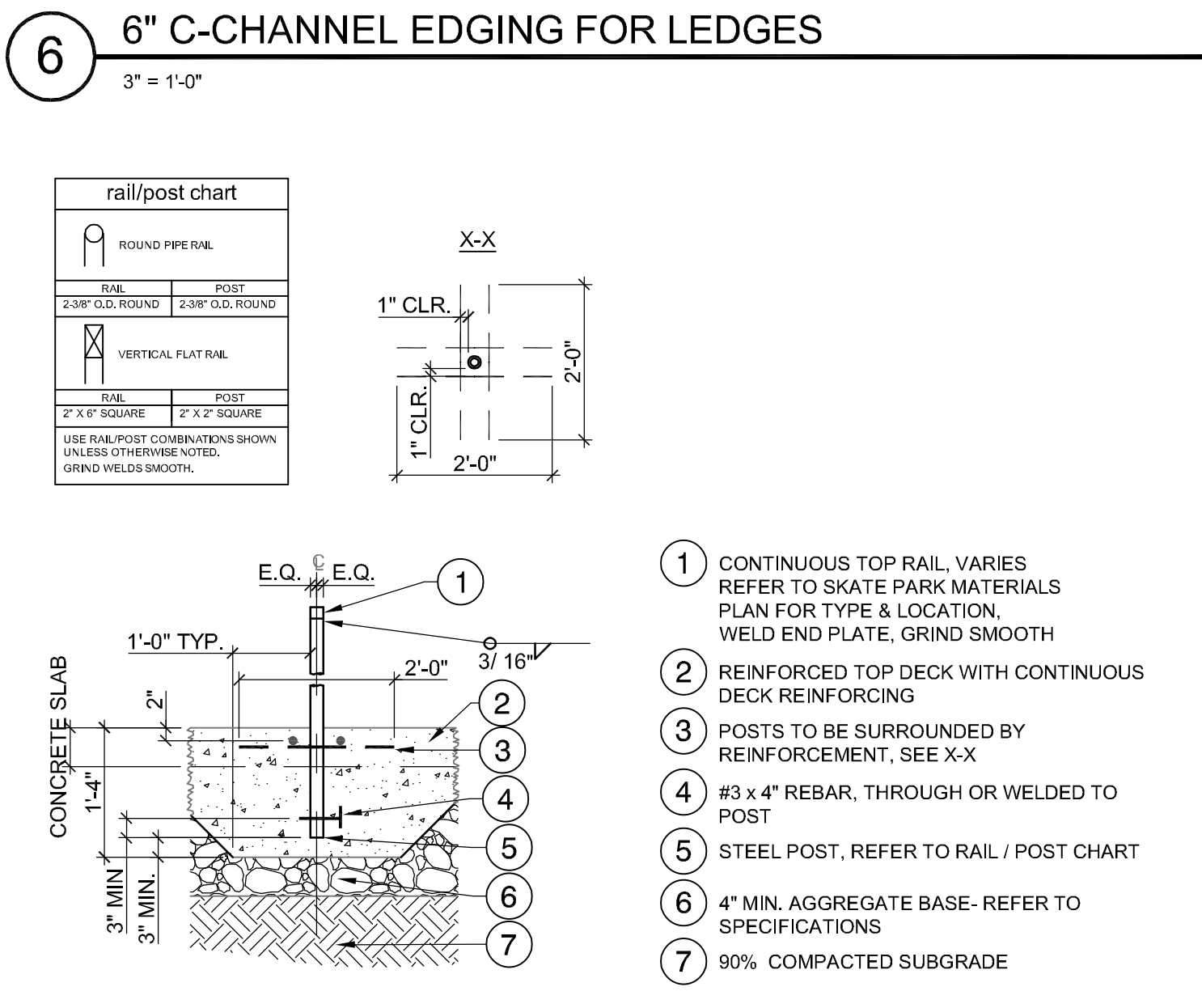
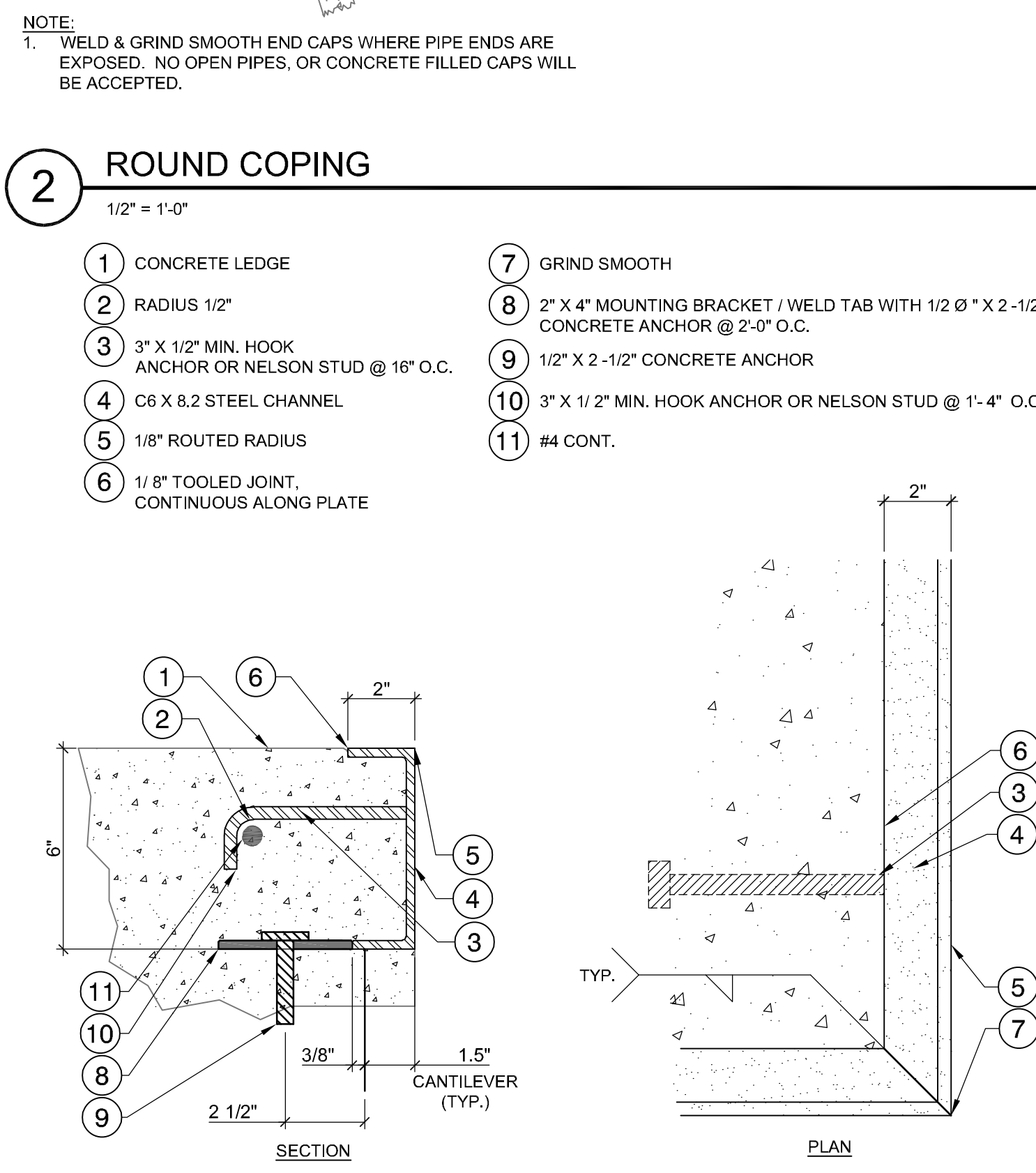
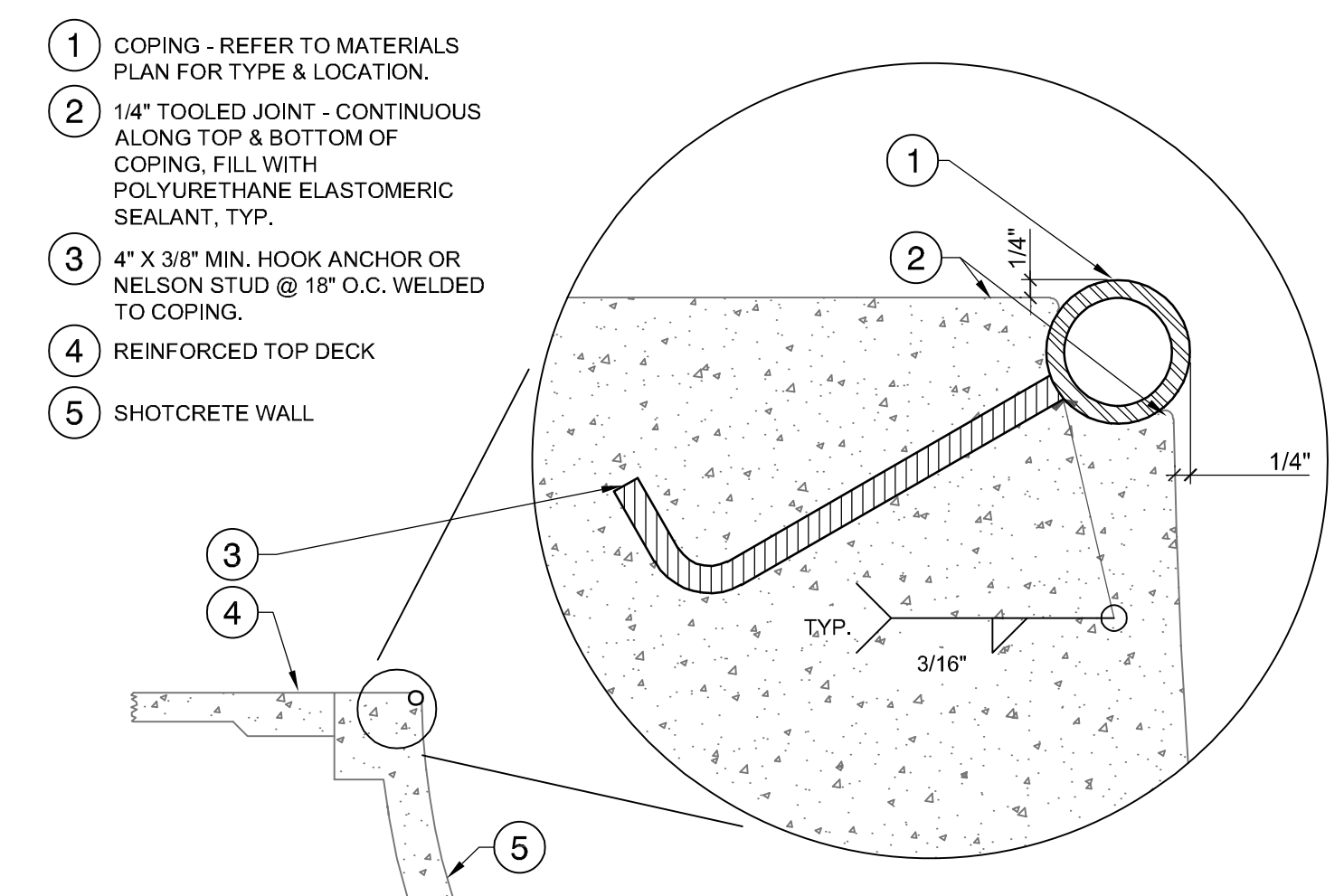
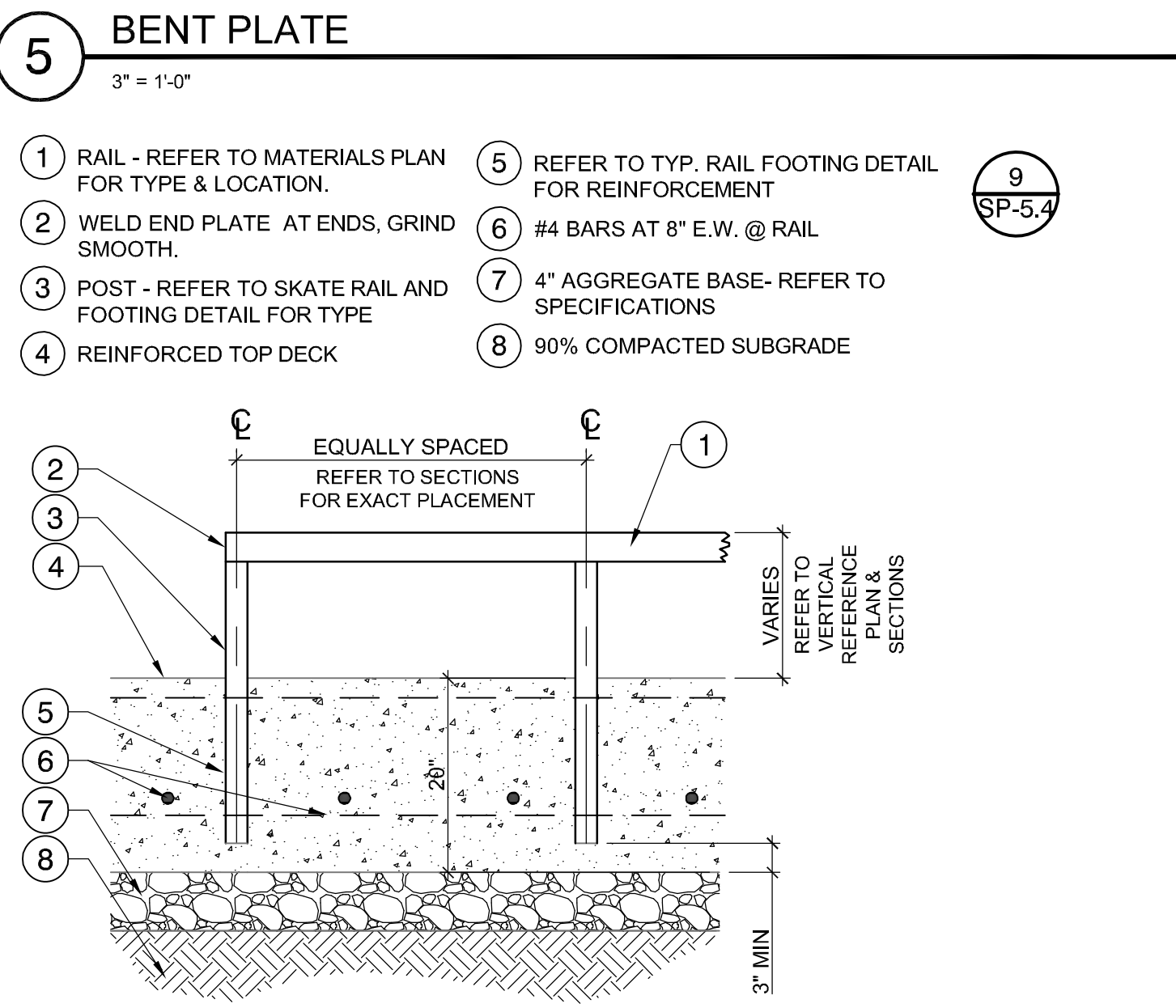
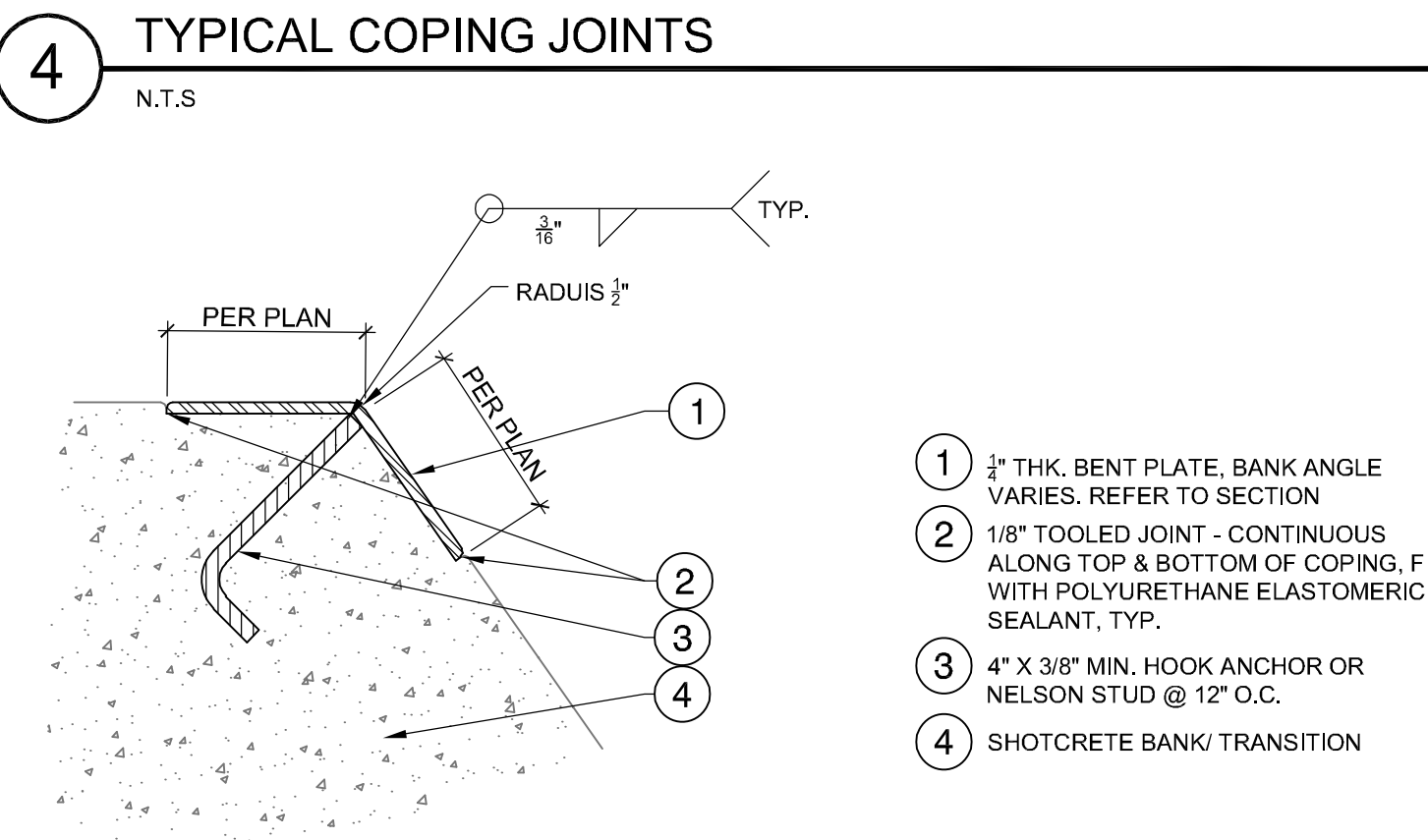
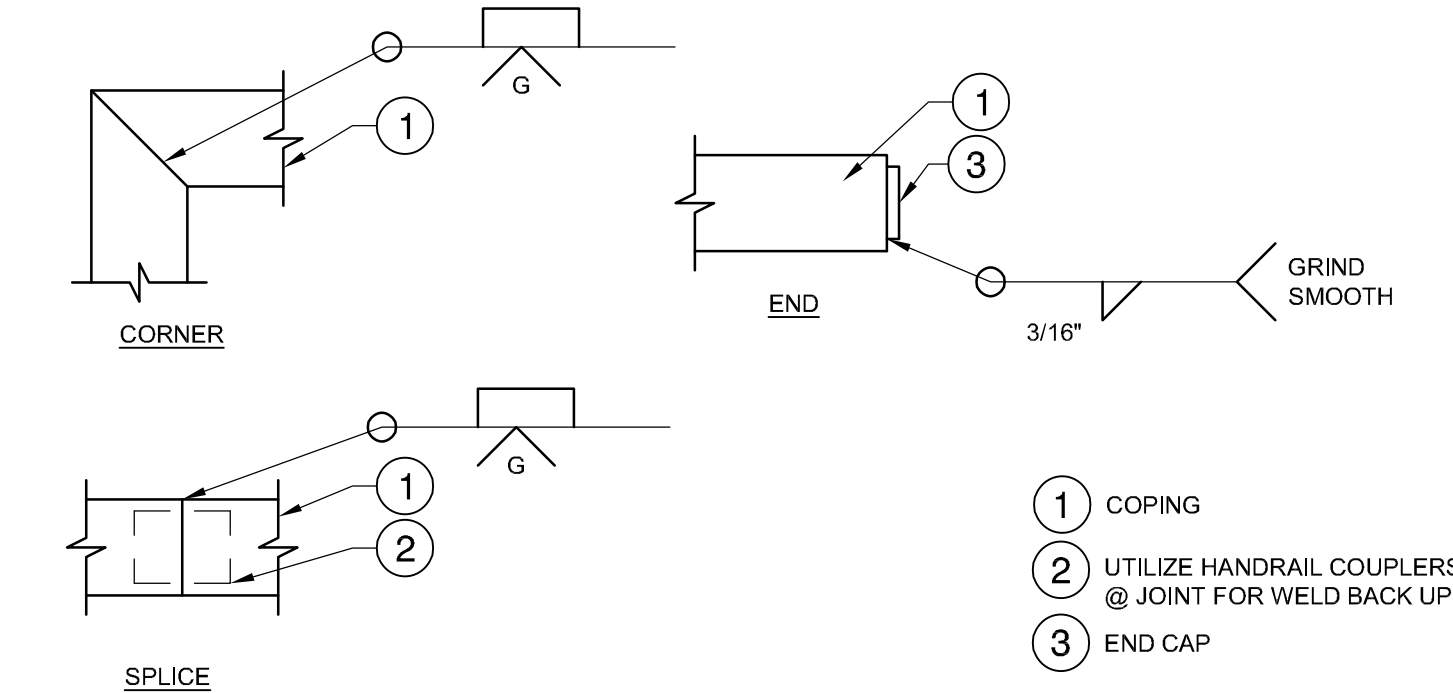
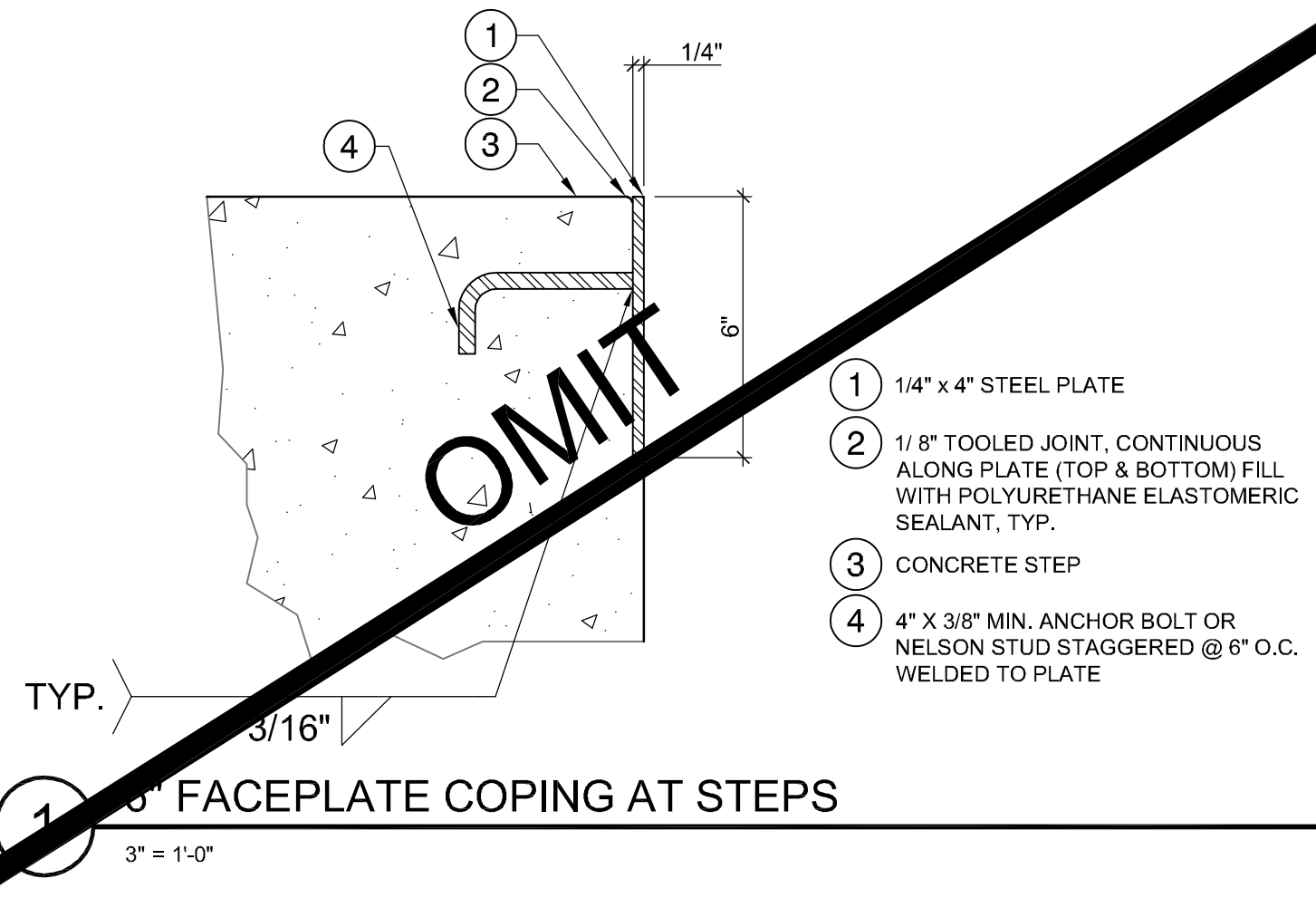


- 1 1/8" TOOLED JOINT BOTH SIDES
- 2 CONCRETE TOP DECK WITH #3 REBAR AT 18" O.C. BOTH WAYS
- 3 #3 X 18" SMOOTH DOWEL AT 2'-6" O.C., GREASE OR WRAP ONE END
- 4 4" AGGREGATE BASE COURSE
- 5 90% COMPACTED SUBGRADE
- 6 6" SHOTCRETE WALL WITH #3 REBAR AT 12" O.C. BOTH WAYS
- 7 BOND BEAM WITH (4) #3 CONT. REBAR & #3 TIES AT 18" O.C.
- 8 COPING - REFER TO MATERIALS PLAN FOR TYPE & LOCATION. FOR CONNECTION SEE 'STEEL PIPE COPING' DETAIL







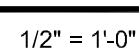






NOTE:  
ALL HOLLOW STRUCTURAL SECTIONS (HSS) TO BE ASTM A-500 GRADE

2 N.T.S.



- ## 6 90-DEGREE ANGLE IRON EDGING

 $1'' = 1''$ 

ADD FURTHER DESCRIPTION HERE

**LICENSE:**

LAGRANGE SKATE PLAZA  
CITY OF LAGRANGE, GA

## SKATE PARK- CONSTRUCTION DETAILS

PROJECT:

**SHEET TITLE:**

ISSUE DATE:

03-2018

DRAWN BY:

CC / MS / TB

CHECKED BY:

KR

REVISIONS:

1 \_\_\_\_\_

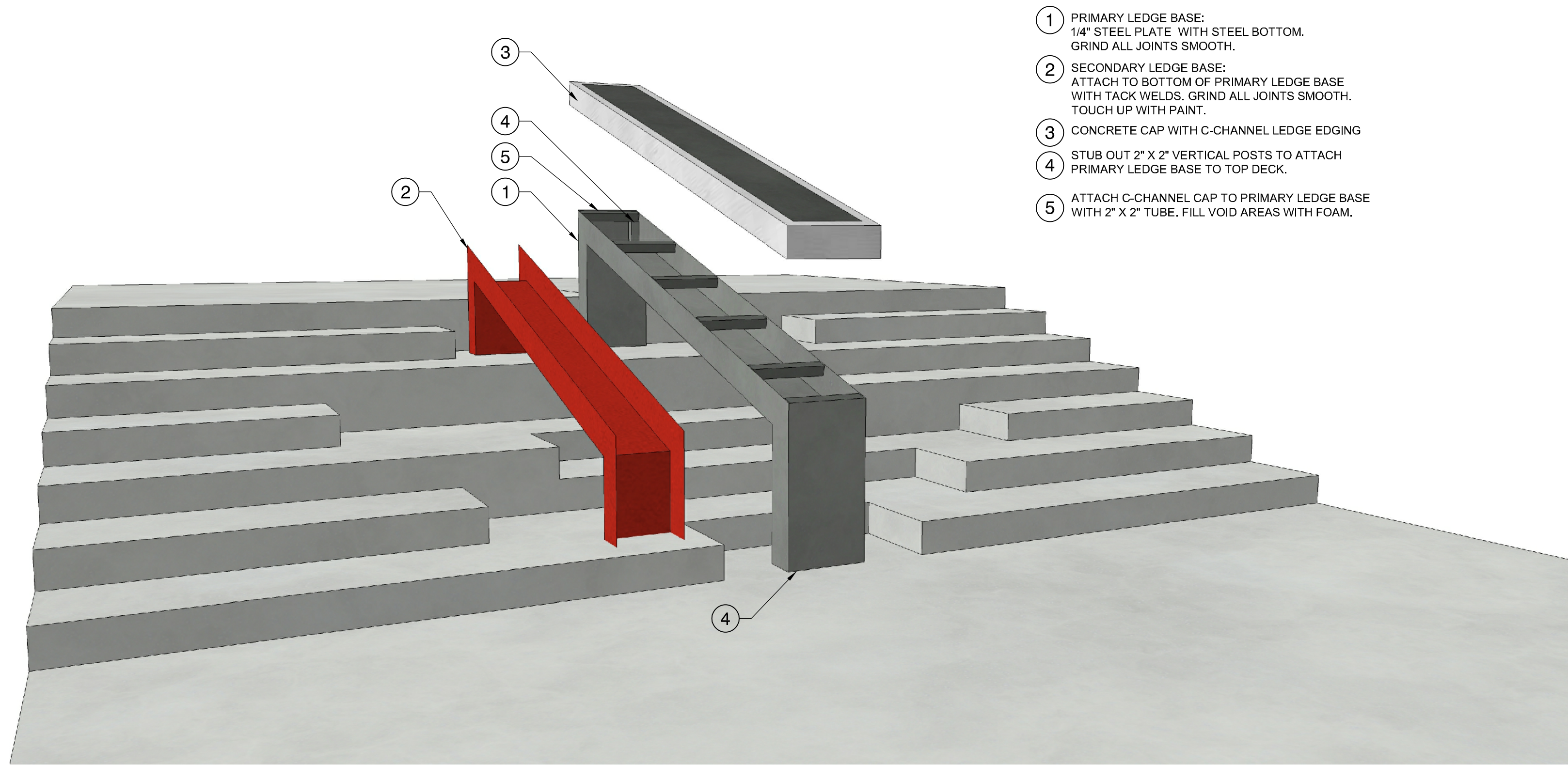
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SHEET NUMBER:

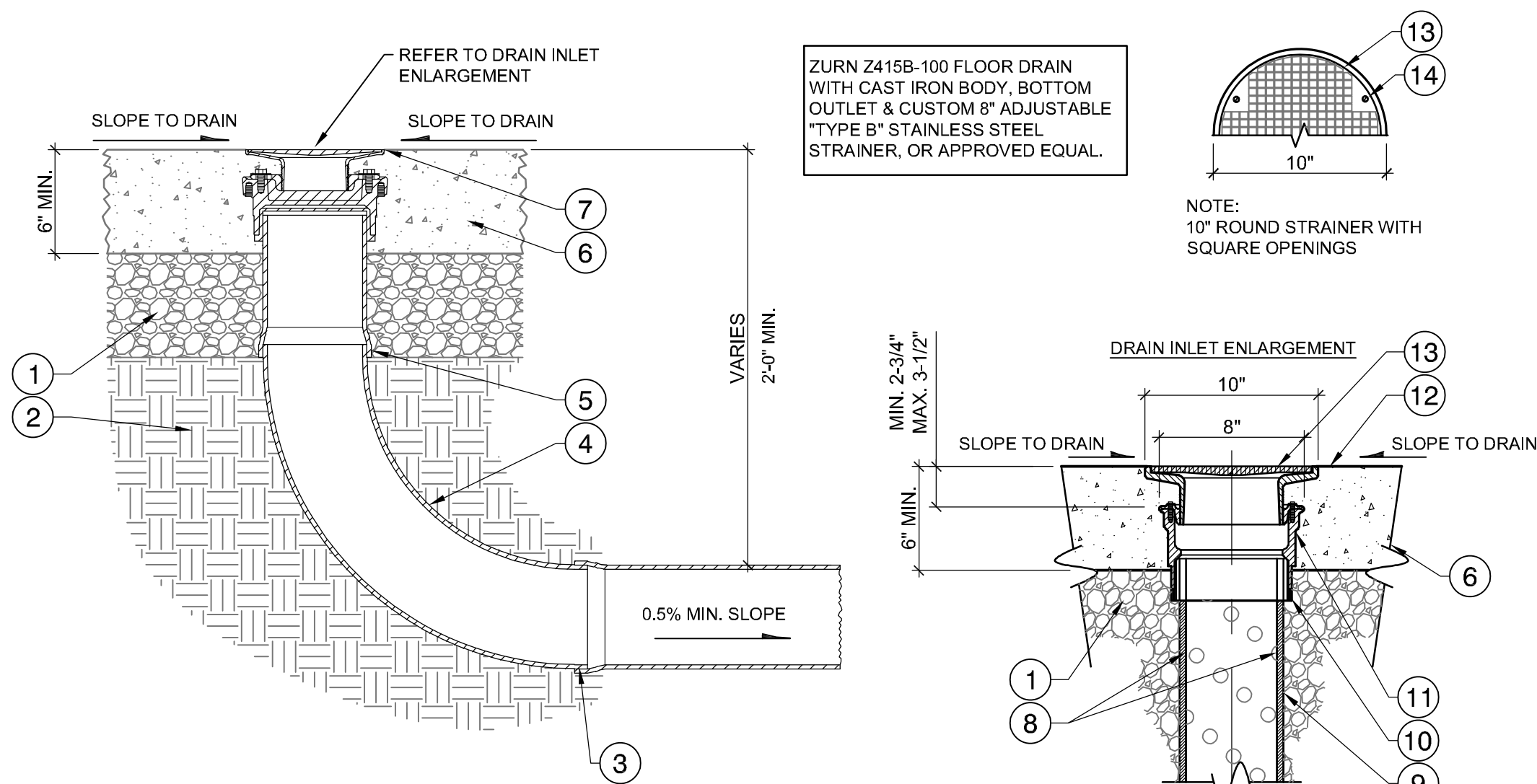
SP-5.5





- 1 PRIMARY LEDGE BASE:  
1/4" STEEL PLATE WITH STEEL BOTTOM.  
GRIND ALL JOINTS SMOOTH.
- 2 SECONDARY LEDGE BASE:  
ATTACH TO BOTTOM OF PRIMARY LEDGE BASE  
WITH TACK WELDS. GRIND ALL JOINTS SMOOTH.  
TOUCH UP WITH PAINT.
- 3 CONCRETE CAP WITH C-CHANNEL LEDGE EDGING
- 4 STUB OUT 2" X 2" VERTICAL POSTS TO ATTACH  
PRIMARY LEDGE BASE TO TOP DECK.
- 5 ATTACH C-CHANNEL CAP TO PRIMARY LEDGE BASE  
WITH 2" X 2" TUBE. FILL VOID AREAS WITH FOAM.

## 1 DOUBLE CANTILEVER GRIND LEDGE (HUBBA LEDGE)



- 1 4" MIN. AGGREGATE BASE- REFER TO SPECIFICATIONS
- 2 90% COMPACTED SUBGRADE
- 3 (IE) INVERT ELEVATION, AS SHOWN ON PLANS
- 4 LONG RADIUS ELBOW OR TEE AS REQUIRED. ONLY USE SHORT RADIUS ELBOWS FOR TIGHT CLEARANCES
- 5 6" SDR-35 DRAINLINE.
- 6 REINFORCED FLATBOTTOM
- 7 (RE) RIM ELEVATION, AS SHOWN ON PLANS
- 8 WARRENS TERRABOND FILTER FABRIC PLACED ADJACENT AND AROUND PERFORATED PIPE
- 9 6" PERFORATED PVC, SDR-35 DRAIN LINE.
- 10 SLP X#THRD ADAPTER (PER MANUFACTURER)
- 11 CAST IRON BODY W/ BOTTOM OUTLET & ADJUSTABLE "TYPE B" POLISHED NICKEL BRONZE STRAINER
- 12 CONCRETE FLAT-BOTTOM SLAB.
- 13 POLISHED NICKEL BRONZE TOP, (TYP).
- 14 SCREWS

## 2 DRAIN INLET DETAIL

1 1/2" = 1'-0"



9665 Granite Ridge Drive  
Suite 220  
San Diego, CA 92123  
Tel. 858.633.4233  
www.stantec.com

LICENSE:

LAGRANGE SKATE PLAZA  
CITY OF LAGRANGE, GA

PROJECT:

SKATE PARK- CONSTRUCTION DETAILS

SHEET TITLE:

ISSUE DATE:

03-2018

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CC / MS / TB

CHECKED BY:

KR

REVISIONS:

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2 \_\_\_\_\_  
3 \_\_\_\_\_

SHEET NUMBER:

SP-5.6