

NYACK SKATEBOARD PLAZA

The Village of Nyack, NY

100% Submittal

GENERAL CONSTRUCTION NOTES

- 1) ALL CONSTRUCTION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE LATEST EDITION OF THE "STANDARD PLANS AND SPECIFICATIONS" OF THE VILLAGE OF NYACK, NY.
- 2) ALL CONSTRUCTION TESTING SHALL BE AT THE DISCRETION OF THE VILLAGE OF NYACK, AS TO THE TYPE AND NUMBER.
- 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 VILLAGE OF NYACK AND THE NEW YORK DEPARTMENT OF TRANSPORTATION.
- 5) CONTRACTOR SHALL CALL "DIG SAFE NEW YORK" AT: 811 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 VILLAGE OF NYACK 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.



NOT TO SCALE

CONSULTANTS

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 STANTEC CONSULTING
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 Boston, MA 02114
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PLANS APPROVED BY:

VILLAGE OF NYACK, NY _____ DATE _____

LOCATION MAP

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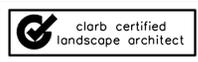
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SUBMITTALS

60% 02/11/2015
 100% 03/23/2015

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LICENSE:



PROJECT: NYACK SKATEBOARD PLAZA
 THE VILLAGE OF NYACK, NY
 SHEET TITLE: SKATEPARK- COVER SHEET

ISSUE DATE:
 02.11.2015

DRAWN BY:
 Stantec

CHECKED BY:
 Stantec

REVISIONS:
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SHEET NUMBER:
 SP-0.0

SKATE PARK-DESIGN CRITERIA

THESE GENERAL STRUCTURAL NOTES APPLY UNLESS OTHERWISE NOTED.

CODE: COMPLY WITH 2006 INTERNATIONAL BUILDING CODE, AS AMENDED BY THE VILLAGE OF NYACK, NY.

SEISMIC:
SEISMIC USE GROUP
SPECTRAL RESPONSE: Sds = 25.2
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 FC > 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 SECTIONS AND DETAILS.

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 WARRANT ALL OF THEIR WORK DURING CONSTRUCTION AND A MINIMUM OF ONE YEAR AFTER THE PROJECT IS ACCEPTED AS COMPLETE.

1.7 THE METRIC EQUIVALENT "[]" 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 2003 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 [4.55] PER 200 SQUARE FEET. COVER CONCRETE WITH POLYETHYLENE PLASTIC TO MAINTAIN TEMPERATURE IF NECESSARY. LAP SEAMS IN THE PLASTIC 6" AND TAPE, WEIGHT DOWN THE PLASTIC AS NEEDED.

2.10 THE CONTRACTOR SHALL 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.

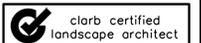
2.22 MINIMUM CLEARANCE BETWEEN PARALLEL REINFORCEMENT BARS SHALL BE 2-1/2". LAP SPLICES IN REINFORCING BARS SHALL BE BY THE NON-CONTRACT LAP SPLICE METHOD WITH AT LEAST 2" CLEARANCE BETWEEN BARS.

2.23 AGGREGATE BASE COURSE TO BE 4" OF COMPACTED 1" CRUSHED LIMESTONE AND SUBGRADE TO BE 95% COMPACTED NATIVE SOIL AND/OR ENGINEERED FILL. IF THESE GUIDELINES CONFLICT WITH THE GEO-TECHNICAL REPORT, THE CONTRACTOR TO FOLLOW THE MORE STRINGENT OF THE TWO GUIDELINES.



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LICENSE:



NYACK SKATEBOARD PLAZA
THE VILLAGE OF NYACK, NY

SKATEPARK- NOTES

PROJECT:

SHEET TITLE:

ISSUE DATE:

02.11.2015

DRAWN BY:

Stantec

CHECKED BY:

Stantec

REVISIONS:

△ _____
△ _____
△ _____

SHEET NUMBER:

SP-0.1

SITE-GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SETTING ALL GRADES, LINES, AND MEASUREMENTS NECESSARY TO THE PROPER PERFORMANCE AND CONTROL OF THE WORK.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FILLING OR CUTTING AS NECESSARY TO ENSURE THAT ALL PORTIONS OF THE SITE DRAIN.
3. THE CONTRACTOR SHALL VERIFY ALL EXISTING GRADES AND SITE CONDITIONS BY FIELD INSPECTION BEFORE SUBMITTING A BID.
4. ALL OBJECTIONABLE MATERIALS DISCOVERED IN THE SOIL DURING THE GRADING PROCESS SHALL BE REMOVED FROM THE SITE BY CONTRACTOR.
5. ANY DAMAGE TO THE EXISTING STREET PAVING, CURBS OR OTHER EXISTING ELEMENTS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SHOOTING ALL SPOT ELEVATIONS NECESSARY TO CONSTRUCT THE PROJECT.
7. CONTRACTOR SHALL DETERMINE THE AMOUNT OF CUT AND FILL NECESSARY TO COMPLETE THE EARTHWORK AS SHOWN ON THESE PLANS AND INCLUDE A FEE FOR COMPLETION OF THE EARTHWORK IN THE BASE BID.
8. SOIL SHALL NOT CONTAIN ROCKS 6" OR LARGER IN ANY DIMENSION. THE FINISH GRADE (TOP 6" OF DEPTH) SHALL NOT CONTAIN ANY ROCKS LARGER THAN ONE-HALF (1/2") IN DIAMETER.
9. HORIZONTAL CONTROL POINTS ARE FOR POSITIONING POINTS AND DIMENSION CLARIFICATION ONLY.
10. ALL COORDINATES SHOWN ARE LOCATED AT THE CONSTRUCTION JOINT FOR THE BOTTOM OF THE CONCRETE SKATE PARK AND AT THE RIM FOR TOP OF PARK. ALL OTHER COORDINATES ARE ASSUMED EDGE OF FEATURE.
11. TREES SHALL NOT BE REMOVED WITHOUT THE SPECIFIC CONSENT OF THE OWNER'S PROJECT REPRESENTATIVE. THE CONTRACTOR WILL BE RESPONSIBLE FOR REPLACING TREES REMOVED WITHOUT RECEIVING PROPER APPROVAL.
12. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF TREE'S, SHRUBS AND OTHER PLANT MATERIAL WITHIN THE LIMITS OF THE WORK TO REMAIN. ANY PLANTING MATERIAL DAMAGED TO AND FROM PROJECT SITE PATH WILL BE AT THE EXPENSE OF CONTRACTOR WITH "AS-EQUAL" MATERIAL APPROVED BY THE VILLAGE.
13. CONTRACTOR IS RESPONSIBLE FOR ACQUIRING AND PAYING ALL PERMITS AND INSPECTIONS FROM ALL JURISDICTIONAL AGENCIES AND CORPORATIONS. THE CONTRACTOR WILL BE REQUIRED TO PAY ALL PERMIT FEE'S FOR THE VILLAGE UNLESS OTHERWISE NOTED.
14. THE CONTRACTOR SHALL RESTORE ALL AREAS DISTURBED BY CONSTRUCTION TO ORIGINAL CONDITION OR BETTER. RESTORED AREAS INCLUDE, BUT ARE NOT LIMITED TO TRENCH BACKFILL, SIDE SLOPES, FENCES, DRAIN PIPES, DRAINAGE DITCHES, DRIVEWAYS, LANDSCAPING, EXISTING GRADE ELEVATIONS.
15. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR PLACEMENT OF ALL IRRIGATION SLEEVES UNDER CONCRETE PAVING AS INDICATED ON THE PLANS. THE GENERAL CONTRACTOR SHALL COORDINATE WITH THE IRRIGATION CONTRACTOR REGARDING PLACEMENT OF INDICATED SLEEVES AND/ OR ADDITIONAL SLEEVES.
16. ADEQUATE MEASURES SHALL BE TAKEN TO PREVENT EROSION. IN THE EVENT THAT SIGNIFICANT EROSION OCCURS AS A RESULT OF CONSTRUCTION, THE CONTRACTOR SHALL RESTORE THE ERODED AREA TO ORIGINAL CONDITION.
17. DISCREPANCIES IF ANY, SHOULD BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT/ SKATE PARK ARCHITECT BEFORE WORK COMMENCES.
18. ALL CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE CODES AND ORDINANCES (FEDERAL, STATE, LOCAL, AND HEALTH DEPARTMENTS), EXCEPT WHERE REQUIREMENTS OF CONTRACT DOCUMENTS ARE MOST STRINGENT.
19. NO DESIGN MODIFICATIONS SHALL BE MADE WITHOUT THE OWNER'S AND/ OR LANDSCAPE ARCHITECT/ SKATE PARK ARCHITECT'S APPROVAL.

SITE- GRADING & DRAINAGE NOTES

1. FINAL HEIGHT AND SHAPE OF EXCAVATION TO BE VERIFIED BY LANDSCAPE ARCHITECT/ SKATE PARK DESIGNER IN THE FIELD.
2. ALL SPOT ELEVATIONS ARE FOR TOP OF FINISH WORK UNLESS OTHERWISE NOTED.
3. MINIMUM SLOPE FOR ALL CONCRETE FINISH WORK SHALL BE 1%. WATER MUST DRAIN TOWARDS DIRECTION OF FLOW ARROWS AND FOLLOW OVERALL DESIGN INTENT.
4. ALL AREAS DISTURBED BY GRADING OPERATIONS TO BE FINE GRADED.
5. VERIFY LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO COMMENCING WORK.
6. REFER TO SECTIONS AND PROFILES ON SHEETS: SP-4.1 THROUGH SP-5.6 FOR HEIGHT, RADI AND PROFILES.
7. ALL FINE GRADING OF EARTHWORK SHALL BE INSPECTED WITH TEMPLATES CUT TO THE SPECIFIED RADI/ ANGLE. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR ALL TEMPLATES/ SCREEDS TO BE USED FOR EARTHWORK TOLERANCES FOR APPROVAL BY LANDSCAPE ARCHITECT/ SKATE PARK DESIGNER.
8. CONTRACTOR TO PROTECT ALL EXCAVATIONS FROM SOIL EROSION AND WATER SATURATION AT ALL TIMES USING APPROPRIATE CONSTRUCTION METHODS. AND LOSS OF SOIL PROFILE DURING CONSTRUCTION SHALL BE REPLACED WITH APPROPRIATE SOIL COMPOSITION AND COMPACTION METHODS TO MATCH LOSS SOIL.

SITE- SURVEY NOTES

1. LOCATE ALL SURVEY MARKS INCLUDING BENCH MARKS AND PROPERTY LINES IN ORDER THAT THE EXACT LINES OF CONSTRUCTION LIMITS AND GRADES MAY BE DETERMINED. BRING ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE IMMEDIATELY BEFORE PROCEEDING WITH WORK.
2. VERIFY ENTIRE LAYOUT PRIOR TO START OF CONSTRUCTION WITH PROJECT OWNER'S REPRESENTATIVES AND LANDSCAPE ARCHITECT/ SKATE PARK ARCHITECT.
3. LOCATE AND PROTECT CONTROL POINTS PRIOR TO STARTING SITE WORK AND PROTECT ALL PERMANENT REFERENCE POINTS DURING ENTIRE CONSTRUCTION. REPLACE PROJECT CONTROL POINTS WHICH MAY BE LOST OR DESTROYED DURING CONSTRUCTION.

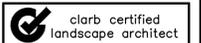
SITE- EXISTING CONDITIONS & DEMOLITION NOTES

1. ALL MATERIAL "TO REMAIN" SHALL BE PROTECTED DURING CONSTRUCTION.
2. ALL MATERIALS "TO BE REMOVED" SHALL BE TAKEN FROM THE SITE AND DISPOSED OF PROPERLY.
3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSPECT THE JOB SITE TO BECOME FAMILIAR WITH ALL EXISTING CONDITIONS THAT COULD AFFECT THE INSTALLATION OF ANY WORK SET FORTH IN THESE PLANS PRIOR TO SUBMITTING A BID.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE EXISTENCE AND LOCATION OF ANY UTILITIES THAT MAY BE NEEDED OR AVOIDED IN THE DEMOLITION PHASE IN ADVANCE OF ANY CONSTRUCTION. THE VILLAGE AND STANTEC DOES NOT GUARANTEE ANY LOCATIONS REFERENCED.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SOILS AND COMPACTION TESTING DURING THE COURSE OF CONSTRUCTION TILL FINAL ACCEPTANCE.
6. THE CONTRACTOR SHALL CONTACT ALL UTILITY ENTITIES AND OWNER FOR EXISTING LOCATIONS PRIOR TO ANY CONSTRUCTION ACTIVITY.
7. THE CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL DURING CONSTRUCTION PER THE VILLAGES REQUIREMENTS.
8. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FROM THE VILLAGE PRIOR TO CONSTRUCTION.
9. EXISTING LANDSCAPE AND/ OR IRRIGATION SYSTEM DISTURBED BY CONSTRUCTION SHALL BE REPLACED IN KIND BY THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE THIS WORK WITH THE VILLAGE.



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PROJECT:
NYACK SKATEBOARD PLAZA
THE VILLAGE OF NYACK, NY

SHEET TITLE:
SITE-GENERAL & GRADING NOTES

ISSUE DATE:

02.11.2015

DRAWN BY:

Stantec

CHECKED BY:

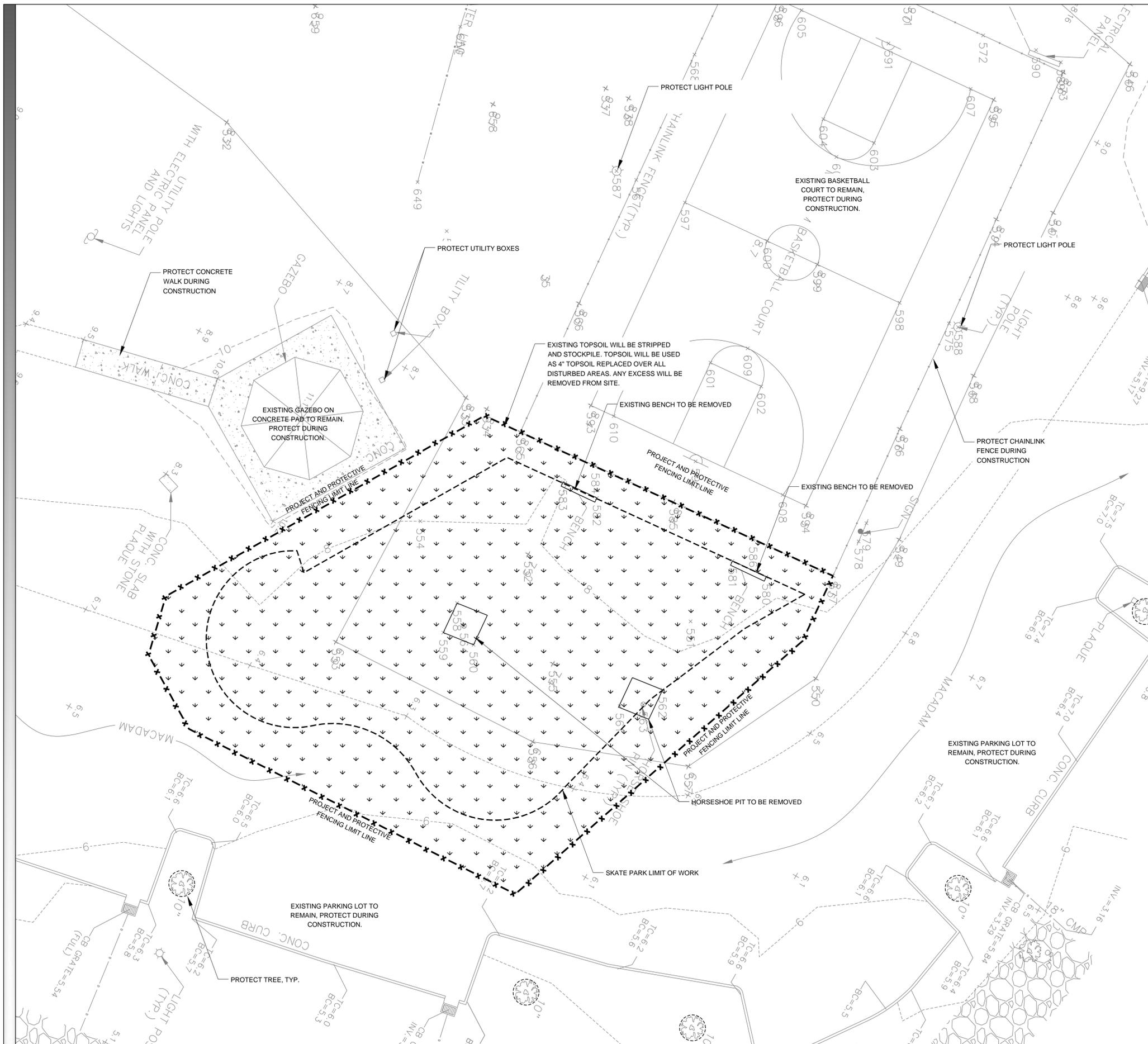
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SHEET NUMBER:

C-1.0



EXISTING CONDITIONS & DEMOLITION LEGEND

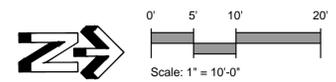
SYMBOL	DESCRIPTION
	EXISTING SOIL
	PROJECT LIMIT LINE/PROTECTIVE FENCING

GENERAL NOTES:

1. ALL MATERIAL 'TO REMAIN' SHALL BE PROTECTED DURING CONSTRUCTION.
2. ALL MATERIAL 'TO BE REMOVED' SHALL BE TAKEN FROM THE SITE AND DISPOSED OF PROPERLY.

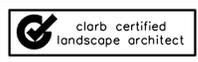
SURVEY NOTES:

1. LOCATE ALL SURVEY MARKS, INCLUDING BENCH MARKS AND PROPERTY LINES IN ORDER THAT THE EXACT LINES OF CONSTRUCTION LIMITS AND GRADES MAY BE DETERMINED.
2. VERIFY ENTIRE LAYOUT PRIOR TO START OF CONSTRUCTION WITH OWNERS REPRESENTATIVE AND VILLAGE OF NYACK, NY.
3. LOCATE AND PROTECT CONTROL POINTS PRIOR TO STARTING SITE WORK AND PRESERVE ALL PERMANENT REFERENCE POINTS DURING CONSTRUCTION. REPLACE PROJECT CONTROL POINTS WHICH MAY BE LOST OR DESTROYED.



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PROJECT: NYACK SKATEBOARD PLAZA
 THE VILLAGE OF NYACK, NY

SHEET TITLE: SKATEPARK- EXISTING CONDITIONS & DEMOLITION PLAN

ISSUE DATE: 02.11.2015

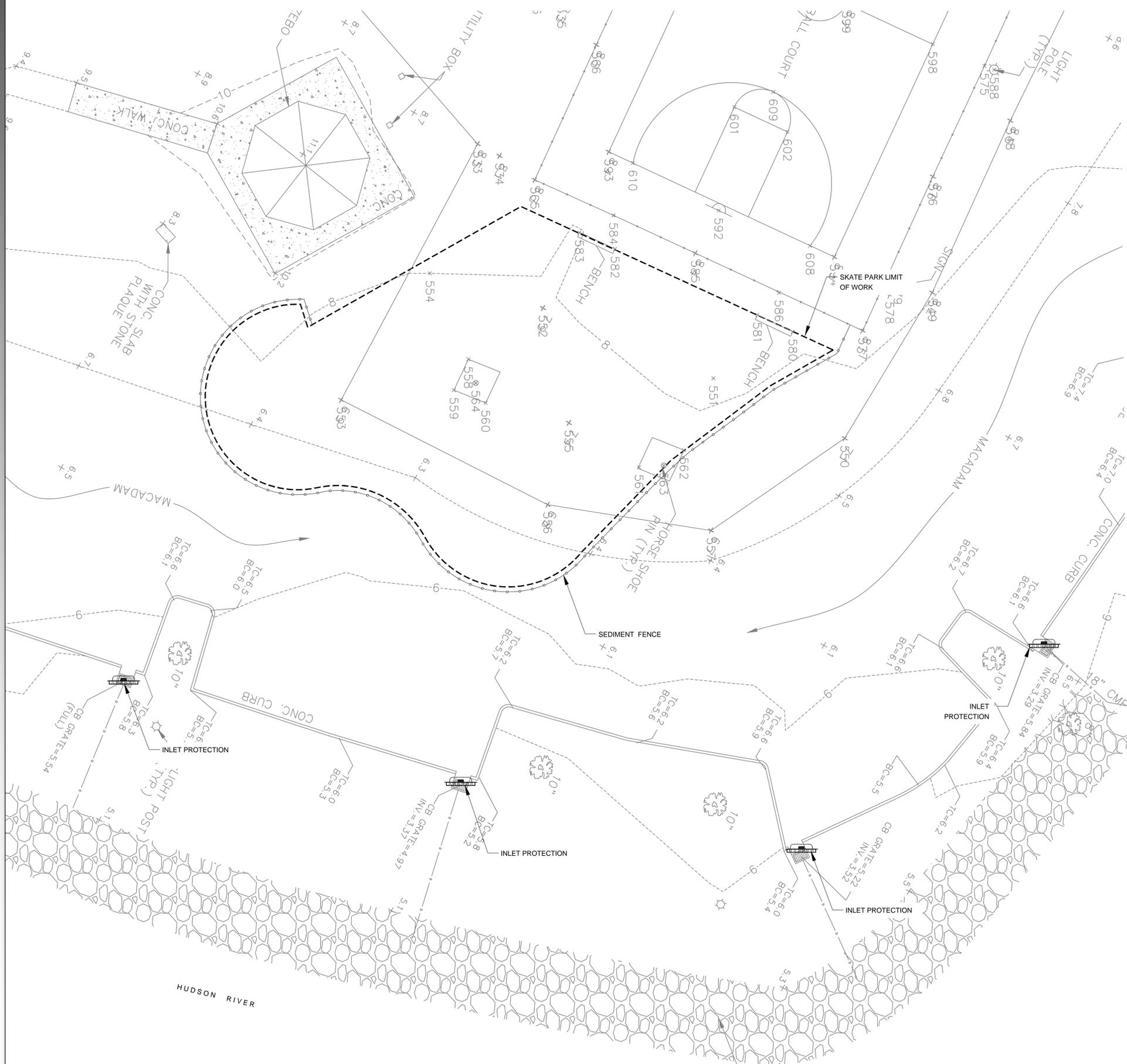
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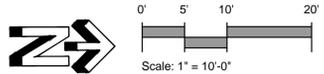
SHEET NUMBER: C-1.1



EROSION CONTROL LEGEND

SYMBOL	DESCRIPTION
	SEDIMENT FENCE
	CURB DROP INLET PROTECTION

SEE SHEET C-1.3 FOR EROSION CONTROL NOTES



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PROJECT: NYACK SKATEBOARD PLAZA
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SHEET TITLE: SKATEPARK- EROSION CONTROL PLAN

ISSUE DATE: 02.11.2015

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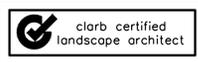
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SHEET NUMBER: C-1.2

LICENSE:



PROJECT: NYACK SKATEBOARD PLAZA
THE VILLAGE OF NYACK, NY

SHEET TITLE: SKATEPARK- EROSION CONTROL NOTES
AND DETAILS

ISSUE DATE:
02.11.2015

DRAWN BY:
Stantec

CHECKED BY:
Stantec

REVISIONS:

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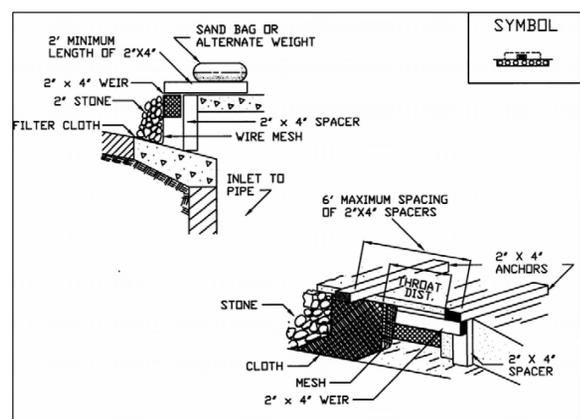
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SHEET NUMBER:
C-1.3

GENERAL EROSION CONTROL NOTES:

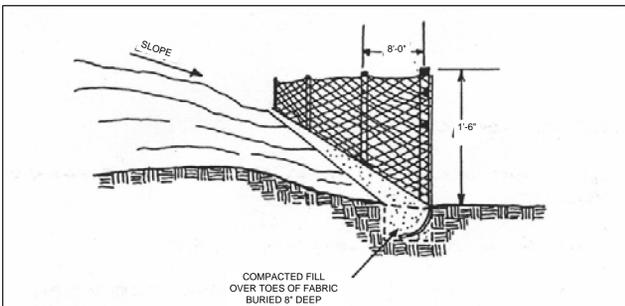
- ALL SITE WORK SHALL CONFORM TO THE CLEARING, STRIPPING AND EROSION CONTROL REQUIREMENTS OF THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC), THE PROJECT S.W.P.P., THE VILLAGE OF NYACK AND ALL STORMWATER PERMITS.
- THE CONTRACTOR SHALL NOTIFY THE VILLAGE OF NYACK OF THEIR TIME SCHEDULE IN REGARD TO CLEARING, STRIPPING, MASS GRADING, AND EROSION CONTROL TO PROVIDE FOR PROPER INSPECTION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING RIM ELEVATIONS IN RELATION TO PROPOSED FINISHED GRADE PRIOR TO INSTALLATION.
- EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO COMMENCING EARTHWORK. EROSION CONTROL DEVICES SHALL BE MAINTAINED BY THE CONTRACTOR THROUGHOUT THE DURATION OF CONSTRUCTION AND UNTIL PROPER GROUND COVER HAS BEEN ESTABLISHED IN ALL DISTURBED AREAS OF THE SITE AND REMOVAL IS APPROVED BY THE VILLAGE OF NYACK / SWPPP INSPECTOR.
- INSTALL A STABILIZED CONSTRUCTION ENTRANCE AS DIRECTED BY OWNER'S REPRESENTATIVE.
- ALL CURB INLETS, FIELD INLETS, END SECTIONS AND OTHER SIMILAR DRAINAGE INLET STRUCTURES SHALL BE PROTECTED FROM SILTATION BY FILTER FABRIC OR OTHER VILLAGE OF NYACK / SWPPP INSPECTOR APPROVED EROSION CONTROL MEASURE.
- CLEAR AND GRUB SITE (IF NECESSARY). EXISTING VEGETATION SHALL BE CLEARED FROM THE GRUBBING AREA BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
- STRIPPED TOPSOIL SHALL BE STOCKPILED IN AREAS AS DIRECTED BY THE OWNER'S REPRESENTATIVE. THE STOCKPILE(S) SHALL BE SEED IN ACCORDANCE WITH EROSION CONTROL NOTES PER THE NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL (EROSION CONTROL MANUAL) AND PROTECTED IN CONFORMANCE WITH NYSDEC REQUIREMENTS.
- DISTURBED AREAS SHALL BE AS SMALL AS PRACTICAL, AND SHALL BE RESTORED, IMPROVED OR TEMPORARILY STABILIZED AS SOON AS POSSIBLE OR WITHIN SEVEN (7) DAYS AFTER DISTURBANCE HAS CEASED.
- SEQUENCE OF CONSTRUCTION
 - CLEARLY IDENTIFY PROJECT WORK LIMITS IDENTIFYING ALL AREAS WHERE CONSTRUCTION DISTURBANCE SHALL NOT BE PERMITTED INCLUDING, BUT NOT LIMITED TO BUFFER AREAS, WETLANDS, SELECT TREES AND ADJOINING PROPERTIES.
 - CLEARLY IDENTIFY AND PROTECT AREAS TO BE USED FOR GREEN INFRASTRUCTURE.
 - INSTALL A STABILIZED CONSTRUCTION ENTRANCE AS DIRECTED BY SWPPP INSPECTOR OR OWNER.
 - INSTALL TREE PROTECTION AND PERIMETER EROSION CONTROL MEASURES. CONSTRUCT TEMPORARY EARTHEN BERMS, DIVERSION SWALES, SEDIMENT CONTROL DAMS AND ASSOCIATED EROSION AND SEDIMENT CONTROL MEASURES AS NECESSARY TO DIVERT RUNOFF FROM ENTERING AREAS OF PLANNED DISTURBANCE.
 - ESTABLISH TEMPORARY SEDIMENT BASINS, INCLUDING TEMPORARY VEGETATIVE STABILIZATION PRIOR TO COMMENCING EARTHWORK OPERATIONS.
 - CLEAR AND GRUB SITE.
 - ALL CLEARED VEGETATION SHALL BE REMOVED AND DISPOSED TO AN APPROVED LANDFILL.
 - STRIP AND STOCKPILE TOPSOIL FROM PROPOSED PAVEMENT, STRUCTURAL FILL AND CUT AREAS (STOCKPILE LOCATIONS AS DIRECTED BY OWNER). EXCESS TOPSOIL SHALL BE STOCKPILED AS APPROVED BY THE OWNER.
 - ESTABLISH MASS GRADE ELEVATIONS.
 - ALL DISTURBED AREAS ARE TO BE MULCHED AND SEEDED FOR TEMPORARY VEGETATIVE COVER IMMEDIATELY FOLLOWING GRADING. ALL TEMPORARY EROSION CONTROL MEASURES NOT INSTALLED PRIOR TO MASS GRADING SHALL BE INSTALLED AT THIS TIME.
 - CONSTRUCT STORMWATER MANAGEMENT FEATURES, INCLUDING OUTLET STRUCTURES.
 - CONSTRUCT UTILITIES, INFRASTRUCTURE IMPROVEMENTS, ETC.
 - INSTALL GREEN INFRASTRUCTURE STORMWATER FACILITIES. STAKE THE PERIMETER OF THE FACILITY AND PROTECT AREA DURING CONSTRUCTION.
 - MODIFY AND SPREAD TOPSOIL FINE GRADE AND SEED. INSTALL GREEN INFRASTRUCTURE FACILITY LANDSCAPING. SEE LANDSCAPING AND SEEDING NOTES FOR SEED MIX.
 - CONSTRUCT SAND FILTERS FOR WATER QUALITY PURPOSES UPON ESTABLISHMENT OF VEGETATIVE COVER ALONG DRAINAGE COURSES SO AS TO PROTECT SAND FILTER FUNCTION.
 - PROVIDE AS-BUILT RECORD PLANS OF ALL GREEN INFRASTRUCTURE AND STORMWATER FACILITIES, CERTIFIED BY A LAND SURVEYOR LICENSED IN NEW YORK STATE.
 - REMOVE TEMPORARY EROSION AND SEDIMENT CONTROL FEATURES UPON ESTABLISHMENT OF PERMANENT GROUND COVER.
 - NOTIFY OWNER OF COMPLETION OF FINAL SITE STABILIZATION.
- CONTRACTOR TO MAINTAIN ALL CONSTRUCTION RECORDS & CERTIFIED REPORTS AS NECESSARY FOR THE NYSDEC SPDES, PHASE II GENERAL PERMIT REQUIREMENTS FOR STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITY. COPIES OF THE RECORDS AND REPORTS MUST BE MAINTAINED BY THE CONTRACTOR ON SITE UNTIL THE NOTICE OF TERMINATION HAS BEEN ACCEPTED BY THE NYSDEC.
- EROSION CONTROL DEVICES, INCLUDING SEDIMENT BARRIERS (SILT FENCE, STONE FILTERS OR APPROVED EQUAL) TO BE ESTABLISHED PRIOR TO COMMENCING GRUBBING OPERATIONS. ALL EROSION CONTROL DEVICES MUST BE MAINTAINED BY THE CONTRACTOR FOR THE DURATION OF THE WORK AND UNTIL UPSTREAM GROUND COVER HAS BEEN ESTABLISHED AND REMOVAL IS APPROVED BY THE OWNER AND/OR MUNICIPALITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL TEMPORARY AND PERMANENT EROSION CONTROL FEATURES AND ALL STORMWATER MANAGEMENT FACILITIES THROUGHOUT THE DURATION OF CONSTRUCTION.
 - ALL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE INSPECTED BY THE CONTRACTOR'S NYSDEC QUALIFIED PROFESSIONAL AT LEAST EVERY 7 CALENDAR DAYS TO ENSURE THAT ALL CONTROLS ARE MAINTAINED AND PROPERLY FUNCTIONING. ANY REQUIRED REPAIRS SHALL BE MADE BY THE CONTRACTOR WITHIN 24 HOURS OF THE WEEKLY INSPECTION.
 - ALL SEDIMENT TRAPPING DEVICES, INLET PROTECTION DEVICES AND STORMWATER MANAGEMENT FACILITIES SHALL BE CLEANED OF ACCUMULATED SILT WHEN STORAGE CAPACITY HAS BEEN REDUCED BY APPROXIMATELY 50% OF THEIR DESIGN CAPACITY OR AS INDICATED ON THE EROSION CONTROL PLANS OR AS DIRECTED BY THE SWPPP INSPECTOR.
 - ALL SEDIMENT SHALL BE REMOVED FROM BEHIND SILT FENCE WHEN IT ACCUMULATES TO A MAXIMUM HEIGHT OF 6" DEEP AT THE FENCE OR AS OTHERWISE DIRECTED.
 - AFTER VEGETATION HAS BEEN SUBSTANTIALLY ESTABLISHED, EXCAVATE SWALES OF ACCUMULATED SILT. CONSTRUCT DRY SWALES AND RE-ESTABLISH VEGETATION ON DISTURBED AREAS.
 - SEDIMENT COLLECTED BY EROSION CONTROL MEASURES SHALL BE DISPOSED OF BY SPREADING ON-SITE OR HAULED OFF-SITE IF DETERMINED TO BE UNSUITABLE FOR FILL.
- DISTURBED AREAS SHALL BE AS SMALL AS PRACTICAL, AND SHALL BE RESTORED, IMPROVED OR TEMPORARILY STABILIZED AS SOON AS POSSIBLE.
- THE CONTRACTOR SHALL TAKE THE NECESSARY MEASURES, INCLUDING WATER SPRINKLING, TO PROVIDE DUST CONTROL DURING CONSTRUCTION TO THE SATISFACTION OF THE OWNER. THE CONTRACTOR SHALL NOT DISCHARGE DUST INTO THE ATMOSPHERE OF SUCH QUANTITIES, CHARACTER OR DURATION THAT IT UNREASONABLY INTERFERES WITH THE COMFORTABLE ENJOYMENT OF LIFE AND PROPERTIES OR IS HARMFUL TO PLANTS AND ANIMALS. NO SEDIMENT FROM THE SITE SHALL BE PERMITTED TO WASH ONTO ADJACENT PROPERTIES, WETLANDS OR ROADS.
- THE CONTRACTOR SHALL MINIMIZE THE AMOUNT OF SEDIMENT ENTERING UTILITIES. ALL MANHOLES, CURB INLETS, FIELD INLETS, END SECTIONS OR OTHER SIMILAR DRAINAGE INLET STRUCTURES SHALL BE PROTECTED FROM SILTATION BY INSTALLING FILTER FABRIC, CRUSHED STONE CHECK DAMS, EXCAVATED INLET PROTECTION AND/OR OTHER OWNER-APPROVED EROSION CONTROL MEASURES. CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES UNTIL A NOTICE OF TERMINATION HAS BEEN ACCEPTED BY NYSDEC.
- ALL DISTURBED AREAS THAT WILL NOT BE WORKED WITHIN 14 DAYS MUST BE SEEDED WITHIN 7 DAYS.
- ALL DISTURBED AND CONSTRUCTED SLOPE AREAS SHALL BE SEEDED IMMEDIATELY AFTER CONSTRUCTION HAS BEEN COMPLETED.
- THE CONTRACTOR SHALL SWEEP STREETS WEEKLY OR MORE FREQUENTLY AS REQUIRED TO KEEP STREETS FREE OF DEBRIS AND SEDIMENT.
- CONTRACTOR TO CLEAN/FLUSH STORM SEWER (SEE SWPPP FOR FLUSHING PROCEDURE) BEFORE ACCEPTANCE BY THE OWNER'S Q.C. REPRESENTATIVE OR AS REQUIRED.
- THE DESIGN PLANS HAVE BEEN PREPARED AS THE MINIMUM REQUIREMENTS FOR EROSION AND SEDIMENT CONTROL. BASED ON FIELD CONDITIONS, THE CONTRACTOR MAY BE REQUIRED TO PROVIDE ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES ON A SITE-SPECIFIC BASIS.
- ADDITIONAL EROSION CONTROL MEASURES SHALL BE INSTALLED IMMEDIATELY AFTER GROUND DISTURBANCE OCCURS. THE LOCATION OF SOME OF THE MEASURES MAY HAVE TO BE ALTERED DUE TO EVER-CHANGING SITE CONDITIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOMPLISH EROSION AND SEDIMENT CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES OF CONSTRUCTION. ANY DIFFICULTY IN CONTROLLING EROSION CONTROL DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE OWNER IMMEDIATELY.
- ANY FAILURE OF EROSION CONTROL DEVICES FOR ANY REASON SHALL BE REPORTED TO THE OWNER IMMEDIATELY.
- ALL SLOPES 3:1 OR GREATER SHALL RECEIVE EROSION CONTROL BLANKET MATTING AS OUTLINED IN THE SWPPP.
- THE STOCKPILED TOPSOIL SHALL BE SPREAD TO A 4" THICKNESS TO BRING THE SITE TO FINISHED GRADE ELEVATIONS IN ALL AREAS TO BE SEEDED IN THE FINAL SITE CONDITION.
- NO CUT OR FILL OF OVER 1" SHALL BE MADE IN AREAS OF LEACH FIELD INSTALLATIONS.



CONSTRUCTION SPECIFICATIONS

- FILTER FABRIC SHALL HAVE AN ADS OF 40-85.
 - WOODEN FRAME SHALL BE CONSTRUCTED OF 2' x 4' CONSTRUCTION GRADE LUMBER.
 - WIRE MESH ACROSS THROAT SHALL BE A CONTINUOUS PIECE 30 INCH MINIMUM WIDTH WITH A LENGTH 4 FEET LONGER THAN THE THROAT. IT SHALL BE SHAPED AND SECURELY NAILED TO A 2' x 4' WEIR.
 - THE WEIR SHALL BE SECURELY NAILED TO 2' x 4' SPACERS 9 INCHES LONG SPACED NO MORE THAN 6 FEET APART.
 - THE ASSEMBLY SHALL BE PLACED AGAINST THE INLET AND SECURED BY 2' x 4' ANCHORS 2 FEET LONG EXTENDING ACROSS THE TOP OF THE INLET AND HELD IN PLACE BY SANDBAGS OR ALTERNATE WEIGHTS.
- MAXIMUM DRAINAGE AREA 1 ACRE

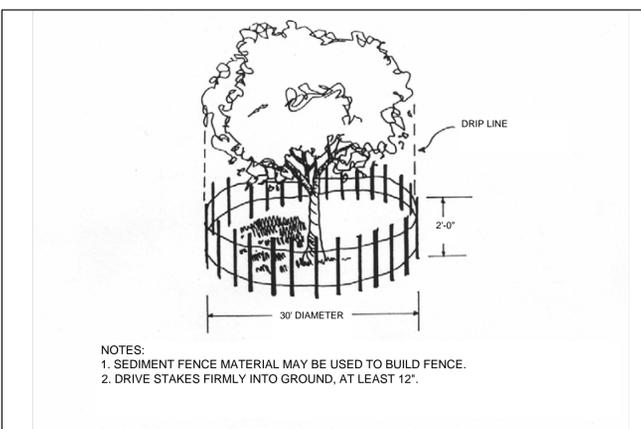
CURB DROP INLET PROTECTION DETAIL
NOT TO SCALE



- CONSTRUCTION SPECIFICATIONS:**
- CONSTRUCT SEDIMENT FENCE ON LOW SIDE OF TOPSOIL STOCKPILE TO PREVENT STOCKPILE FROM BEING WASHED INTO THE DRAINAGE SYSTEM. FENCE TO EXTEND AROUND APPROXIMATELY 70% OF THE PERIMETER OF THE STOCKPILE.
 - LOCATE POSTS DOWNSLOPE OF FABRIC TO HELP SUPPORT FENCING BURY TOES OF FENCE APPROXIMATELY 8" DEEP TO PREVENT UNDERCUTTING.
 - WHEN JOINTS ARE NECESSARY, SECURELY FASTEN THE FABRIC AT A SUPPORT POST WITH OVERLAP TO THE NEXT POST.
 - FILTER FABRIC TO BE OF NYLON, POLYESTER, PROPYLENE, OR ETHYLENE YARN WITH EXTRA STRENGTH - MIN. 50-LB./LIN. IN. - AND WITH A FLOW RATE OF AT LEAST 0.3 GAL./SQ. FT. / MINUTE. FABRIC SHALL CONTAIN ULTRAVIOLET RAY INHIBITORS AND STABILIZERS. POST TO BE 4" DIA. PINE WITH A MIN. LENGTH OF 4'-0".

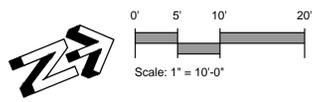
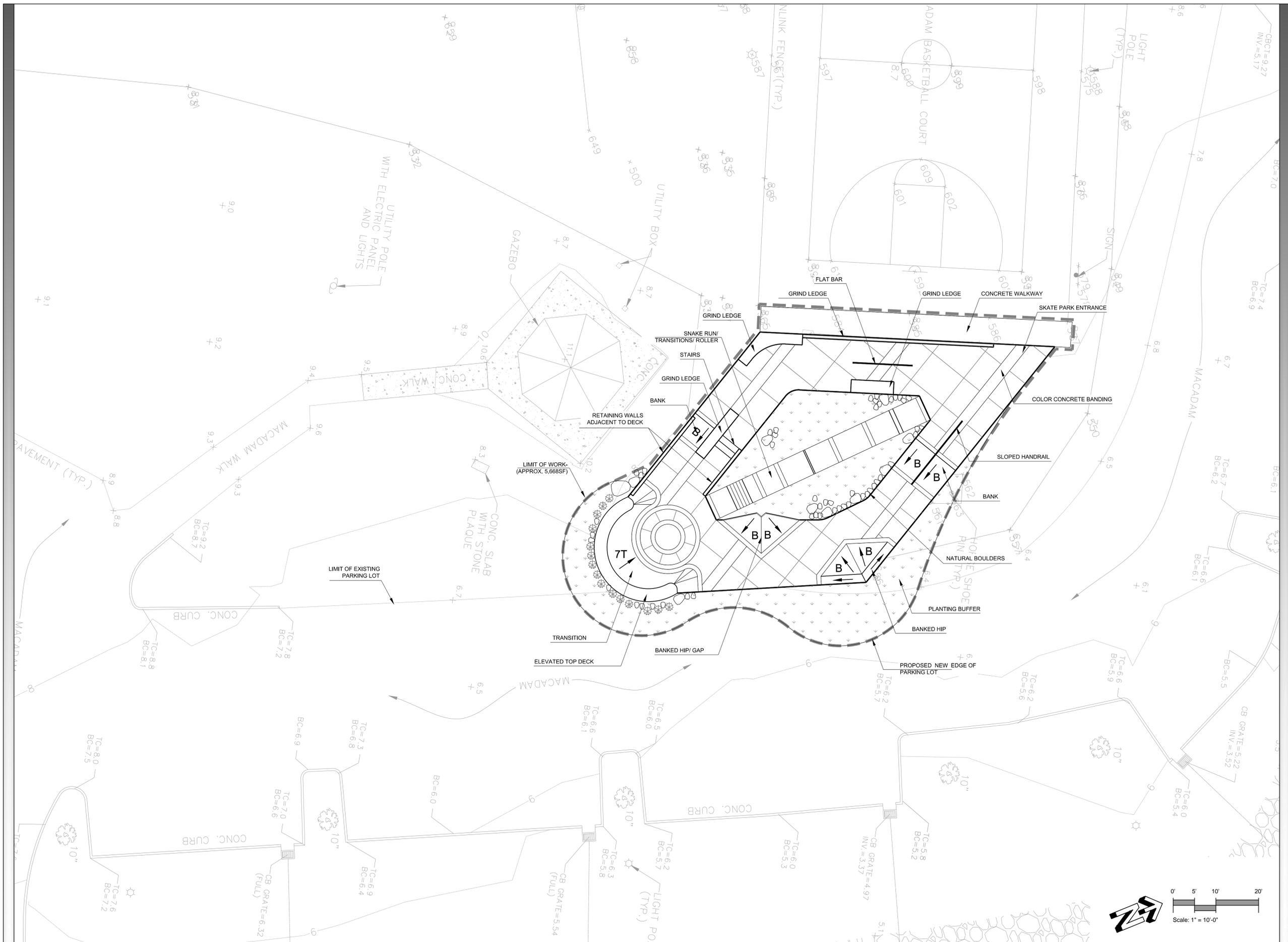
NOTE:
IF HIGH-CUT SLOPES ADJOINING CHANNELS 1, 2, AND 3 ARE NOT ADEQUATELY STABILIZED BEFORE CHANNEL IS CONSTRUCTED, A SEDIMENT FENCE SHOULD BE LOCATED ON THE CHANNEL BERM TO PREVENT SEDIMENT FROM ENTERING THE CHANNEL SYSTEM. THE FENCE SHOULD BE INSTALLED AS SHOWN ABOVE ALONG THE ENTIRE UNSTABLE AREA ADJOINING THE CHANNEL.

SEDIMENT FENCE DETAIL
NOT TO SCALE



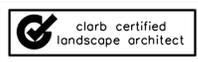
- NOTES:**
- SEDIMENT FENCE MATERIAL MAY BE USED TO BUILD FENCE.
 - DRIVE STAKES FIRMLY INTO GROUND, AT LEAST 12".

TREE PRESERVATION AND PROTECTION DETAIL
NOT TO SCALE



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PROJECT: NYACK SKATEBOARD PLAZA
 THE VILLAGE OF NYACK, NY
 SHEET TITLE: SKATEPARK-FEATURE PLAN

ISSUE DATE: 02.11.2015

DRAWN BY: Stantec

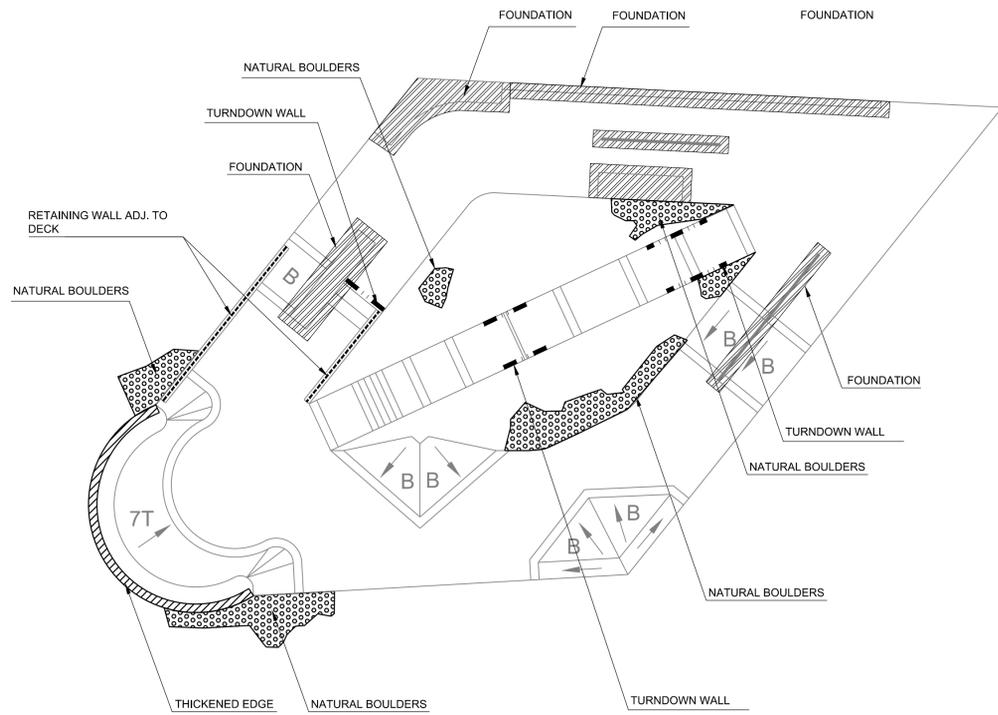
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SHEET NUMBER: SP-1.0

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CONCRETE FOUNDATION LEGEND

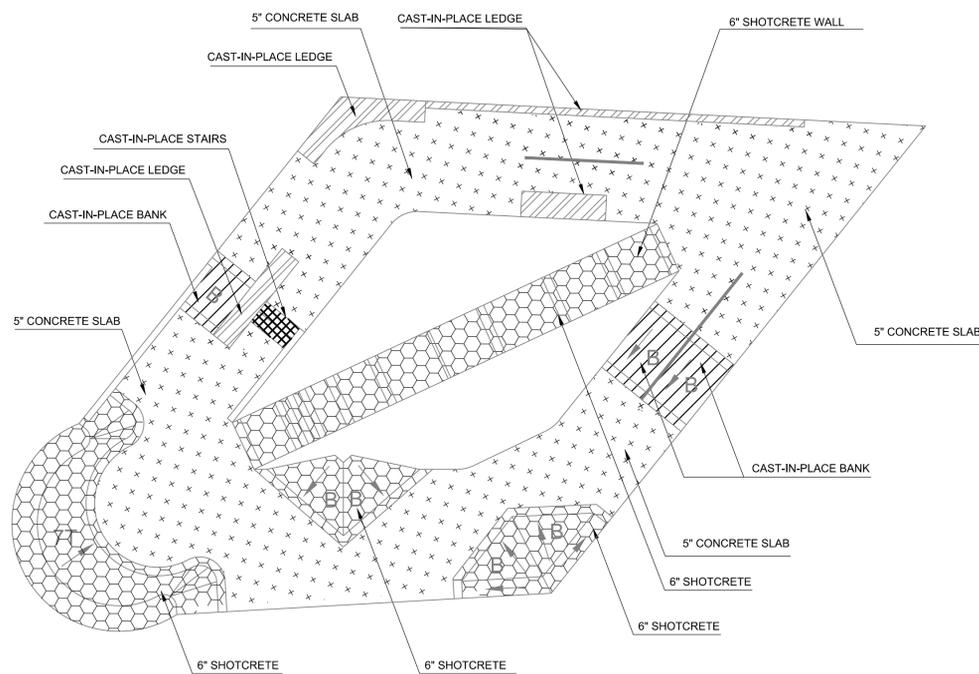
SYMBOL	DESCRIPTION	STRENGTH	CURE TIME	FINISH	DETAIL
	FOUNDATION (REFER TO SP-4.1-4.10 FOR ELEVATIONS)	4,000 P.S.I.	28 DAYS	SMOOTH TROWEL	SP-5.2 Details 7 & 8 SP-5.3 Details 6-8 SP-5.4 Details 2-5 SP-5.5 Detail 1
	TURNDOWN WALL (REFER TO SP-4.1-4.10 FOR ELEVATIONS)	4,000 P.S.I.	28 DAYS	SMOOTH TROWEL	SP-5.4 Detail 1
	THICKENED EDGE (REFER TO SP-4.1-4.10 FOR ELEVATIONS)	4,000 P.S.I.	28 DAYS	SMOOTH TROWEL	SP-5.1 Detail 1
	NATURAL BOULDERS- TO BE SELECTED AND PLACED BY LANDSCAPE ARCHITECT				SP-5.5 Detail 7-8
	RETAINING WALL ADJ. TO DECK	4,000 P.S.I.	28 DAYS	SMOOTH TROWEL	SP-5.5 Detail 1

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:

CONTRACTOR SHALL VERIFY FEATURE ELEVATIONS WITH SECTIONS. IF A DISCREPANCY OCCURS, CONTRACTOR SHALL CONTACT SKATE PARK ARCHITECT IMMEDIATELY.

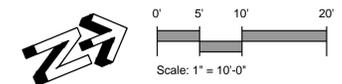


CONCRETE MATERIALS LEGEND

SYMBOL	DESCRIPTION	STRENGTH	CURE TIME	FINISH	DETAIL
	CAST-IN-PLACE LEDGE	4,000 P.S.I.	28 DAYS	SMOOTH TROWEL	SP-5.2 Details 7 & 8 SP-5.3 Detail 9 SP-5.4 Detail 2-5 SP-5.5 Detail 1
	CAST-IN-PLACE STAIRS	4,000 P.S.I.	28 DAYS	SMOOTH TROWEL	SP-5.1 Detail 6
	CAST-IN-PLACE BANK	4,000 P.S.I.	28 DAYS	SMOOTH TROWEL	SP-5.1 Detail 8

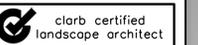
CONCRETE MATERIAL NOTES

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PROJECT:
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THE VILLAGE OF NYACK, NY

SHEET TITLE:
SKATEPARK-FOUNDATION PLAN-
CONCRETE MATERIALS PLAN

ISSUE DATE:

02.11.2015

DRAWN BY:

Stantec

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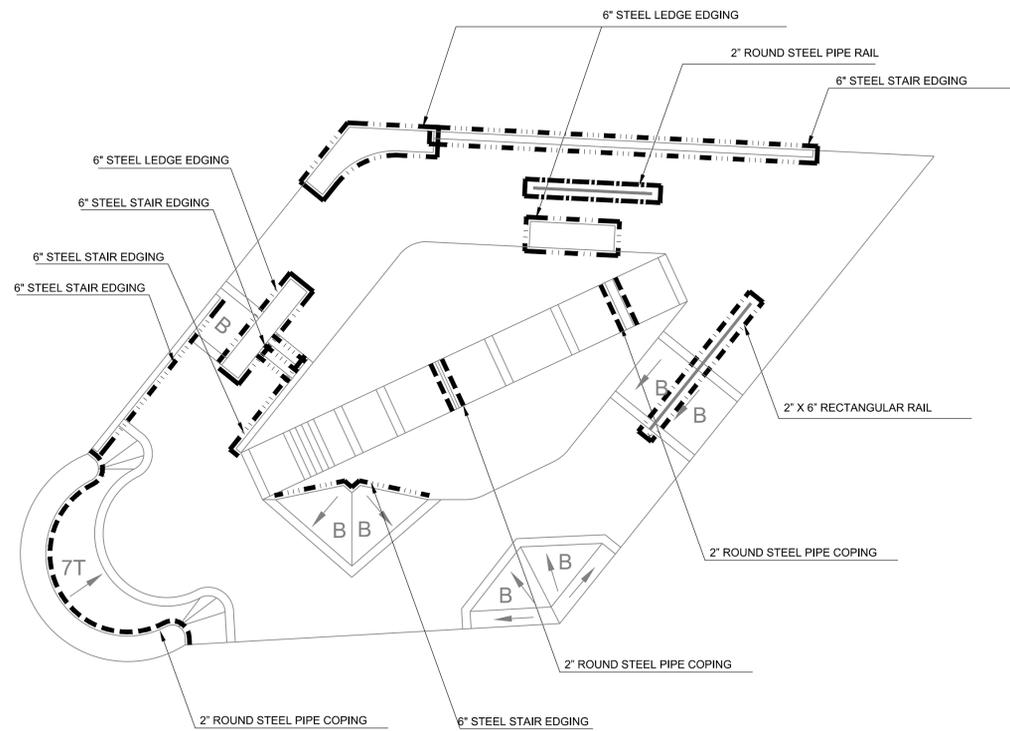
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SHEET NUMBER:

SP-1.1



SKATE PARK METAL & COPING FABRICATION LEGEND

SYMBOL	DESCRIPTION	O.D. SIZE / GAUGE	FINISH	DETAIL
2" ROUND STEEL PIPE RAIL	C6X8.2- 2.375" x 0.1875"	GALVANIZED	SP-5.3 Detail 6-8	
6" STEEL LEDGE EDGING	C6X8.2- 4.000" x 6.000" x 0.1875"	GALVANIZED	SP-5.3 Detail 3-4	
2" X 6" RECTANGULAR RAIL	C6X8.2- 2.000" x 6.000" x 0.1875"	GALVANIZED	SP-5.3 Detail 6-8	
2" ROUND STEEL PIPE COPING	C6X8.2- 2.375" x 0.1875"	GALVANIZED	SP-5.2 Detail 9-10	
6" STEEL STAIR EDGING	C6X8.2- 2.000" x 6.000" x 0.1875"	GALVANIZED	SP-5.2 Detail 1-2	

METALS MATERIALS NOTE

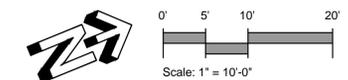
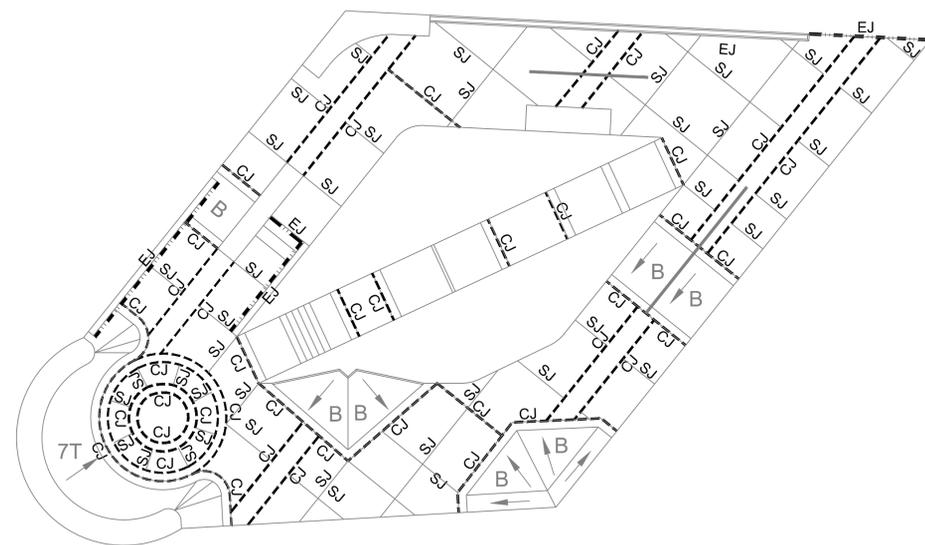
- ALL METAL FABRICATION SIZES ARE NOMINAL.
- ALL METAL FABRICATIONS SHOWN ARE TO BE HOT DIPPED GALVANIZED.
- QUALIFICATIONS OF CONTRACTOR: PROVIDE AT LEAST ONE PERSON WHO SHALL BE PRESENT AT ALL TIMES DURING EXECUTION OF THIS PORTION OF THE WORK, AND WHO SHALL BE THOROUGHLY FAMILIAR WITH THE TYPE OF 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.

JOINTING LEGEND

SYMBOL	DESCRIPTION	DETAIL
C.J. - CONSTRUCTION JOINT		SP-5.2 Detail 2, 4-6
S.J. - SAWCUT JOINT		SP-5.2 Detail 3
E.J. - EXPANSION JOINT		SP-5.2 Detail 1

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.



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LICENSE:

clarb certified landscape architect

PROJECT:
 NYACK SKATEBOARD PLAZA
 THE VILLAGE OF NYACK, NY

SHEET TITLE:
 SKATEPARK-MATERIALS
 PLAN-METALS- JOINTING PLAN

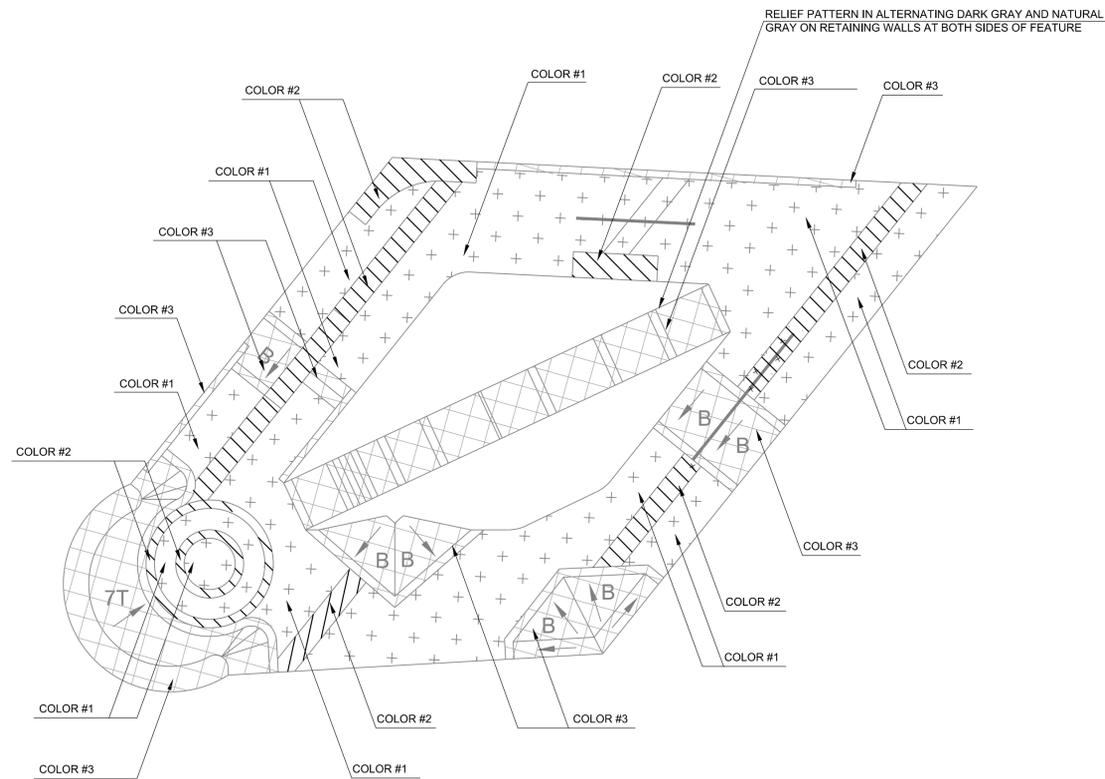
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SHEET NUMBER:
 SP-1.2



CONCRETE COLOR LEGEND

SYMBOL	DESCRIPTION
+	COLOR # 1: 5447* MESA BUFF - INTEGRAL COLOR TYPE II CONCRETE MNF: DAVIS COLOR SYSTEMS OR APPROVED EQUAL
▨	COLOR # 2: 61078* ADOBE - INTEGRAL COLOR TYPE II CONCRETE MNF: DAVIS COLOR SYSTEMS OR APPROVED EQUAL
▩	COLOR # 3: NATURAL GRAY CONCRETE NOTE: ALL LEDGES TO HAVE NATURAL GRAY BASES.

CONCRETE POUR-SEQUENCE GUIDELINE

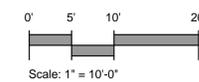
CONTRACTOR TO COORDINATE ALL PROJECT SAMPLE REVIEWS, PROGRESS SITE VISITS WITH SKATE PARK ARCHITECT IN ADVANCE. CONTRACTOR TO SUBMIT POUR SCHEDULE FOR REVIEW AND APPROVAL PRIOR TO COMMENCING WORK.

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

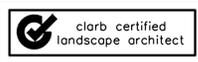
1. INSTALL ALL CAST-IN-PLACE FORMS & METAL FABRICATIONS.
2. POUR ALL CAST-IN-PLACE LEDGES, BREAK FORMS AND FINISH.
3. INSTALL ALL METAL FABRICATIONS FOR SHOTCRETE AREAS AND FORM WORK.
4. INSTALL ALL REQUIRED REBAR PER PLANS AND SPECIFICATIONS.
5. INSTALL ALL SHOTCRETE AND SPECIALTY POURS PER PLANS AND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

CONCRETE MATERIAL NOTES

- ALL CONCRETE FINISH WORK TO BE SMOOTH TROWEL FINISH UNLESS OTHERWISE NOTED.
- ALL STAMPED PATTERNS TO BE SMOOTH FINISH, FREE OF AIR VOIDS AND POCKETS.
- ALL CONCRETE SURFACES EXPOSED TO BE NATURAL GRAY COLOR UNLESS OTHERWISE NOTED.



LICENSE:



PROJECT: NYACK SKATEBOARD PLAZA
THE VILLAGE OF NYACK, NY

SHEET TITLE: SKATEPARK- CONCRETE COLOR PLAN

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SP-1.3



VIEW # 1

THE FOLLOWING IMAGE IS
DIAGRAMMATIC ONLY, NOT FOR
CONSTRUCTION.



VIEW # 2

THE FOLLOWING IMAGE IS
DIAGRAMMATIC ONLY, NOT FOR
CONSTRUCTION.



VIEW # 3

THE FOLLOWING IMAGE IS
DIAGRAMMATIC ONLY, NOT FOR
CONSTRUCTION.



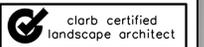
VIEW # 4

THE FOLLOWING IMAGE IS
DIAGRAMMATIC ONLY, NOT FOR
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PROJECT:
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THE VILLAGE OF NYACK, NY

SHEET TITLE:
SKATEPARK- ARTISTIC RENDERING

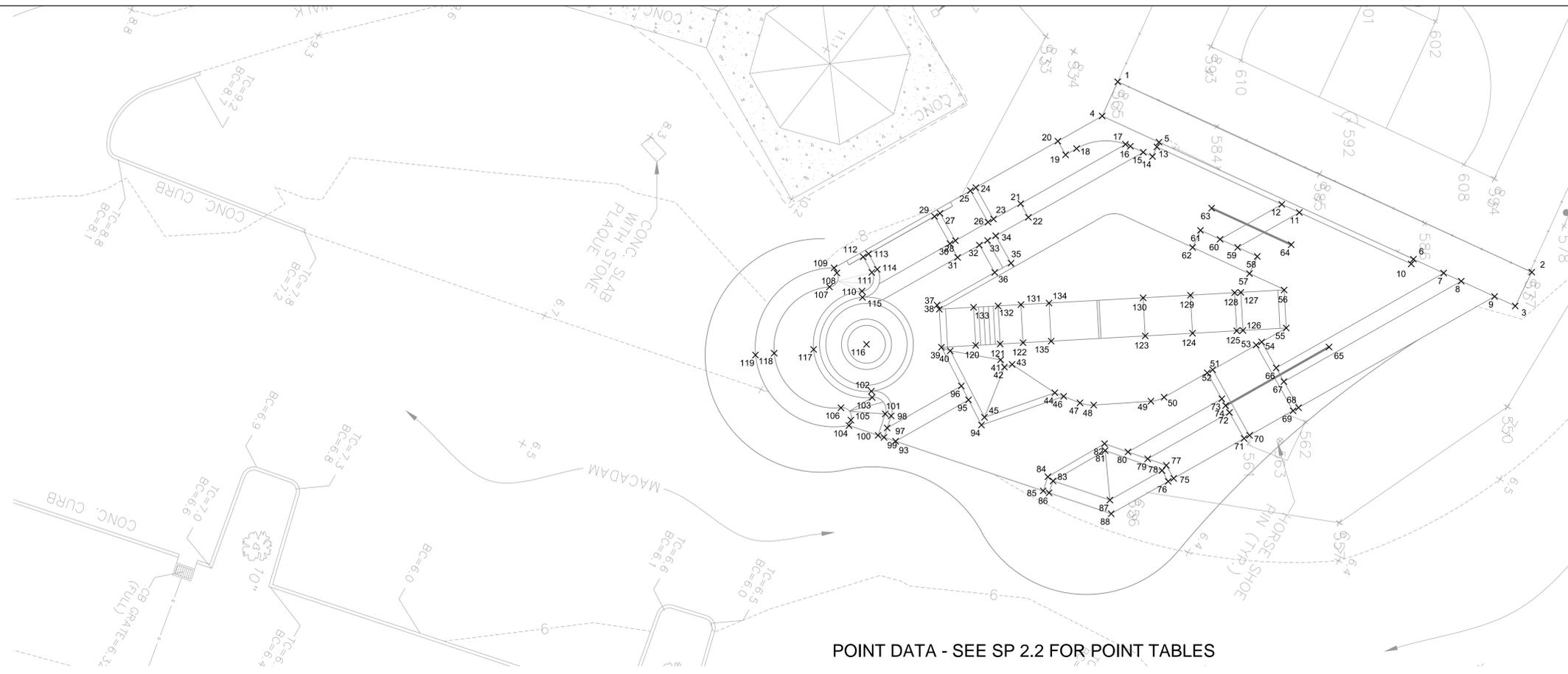
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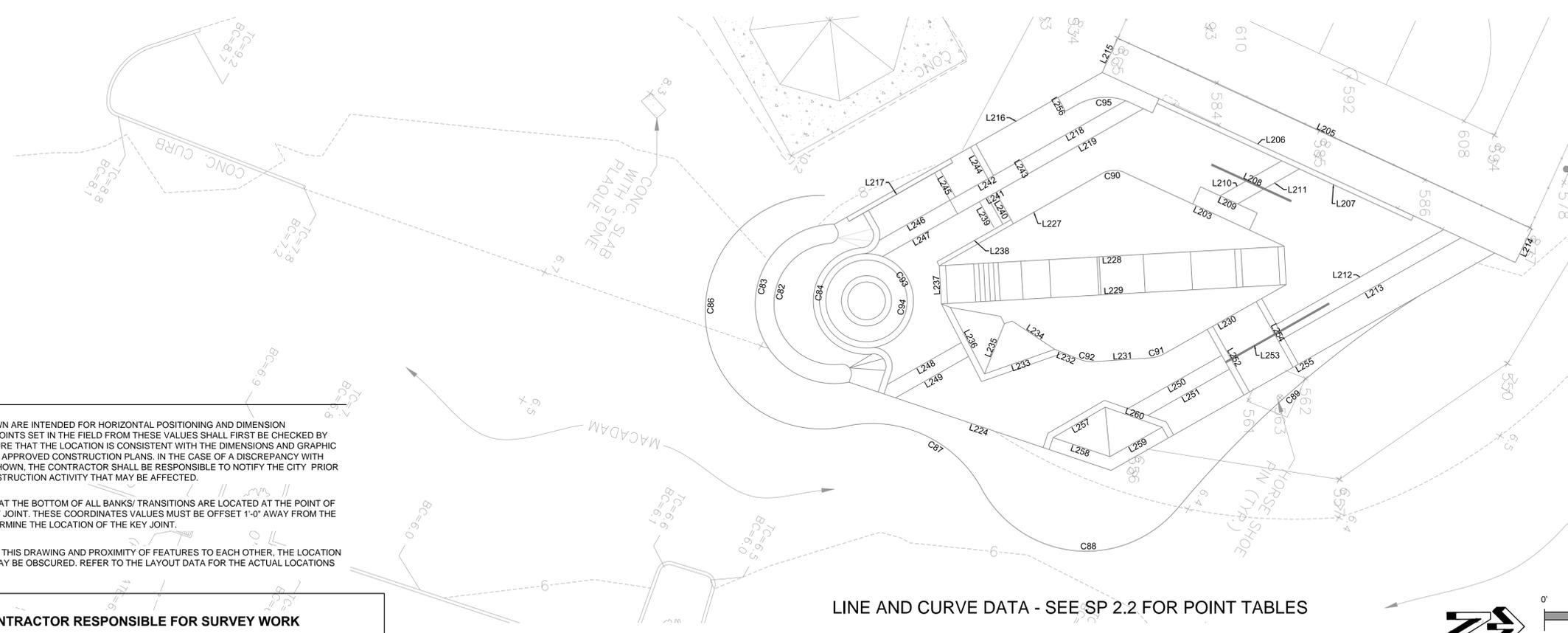
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SHEET NUMBER:
SP-1.4



POINT DATA - SEE SP 2.2 FOR POINT TABLES



LINE AND CURVE DATA - SEE SP 2.2 FOR POINT TABLES

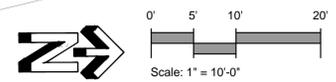
NOTE:

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 BOTTOM OF ALL BANKS/ TRANSITIONS ARE LOCATED AT THE POINT OF TANGENCY NOT AT THE KEY JOINT. THESE COORDINATE VALUES MUST BE OFFSET 1'-0" AWAY FROM THE BANK/ TRANSITION TO DETERMINE THE LOCATION OF THE KEY JOINT.

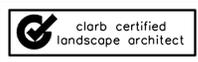
BECAUSE OF THE SCALE OF THIS DRAWING AND PROXIMITY OF FEATURES TO EACH OTHER, THE LOCATION OF SOME OR THE POINTS MAY BE OBSCURED. REFER TO THE LAYOUT DATA FOR THE ACTUAL LOCATIONS FOR ALL POINTS.

*** CONTRACTOR RESPONSIBLE FOR SURVEY WORK**



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SHEET TITLE: SKATEPARK- LAYOUT PLAN

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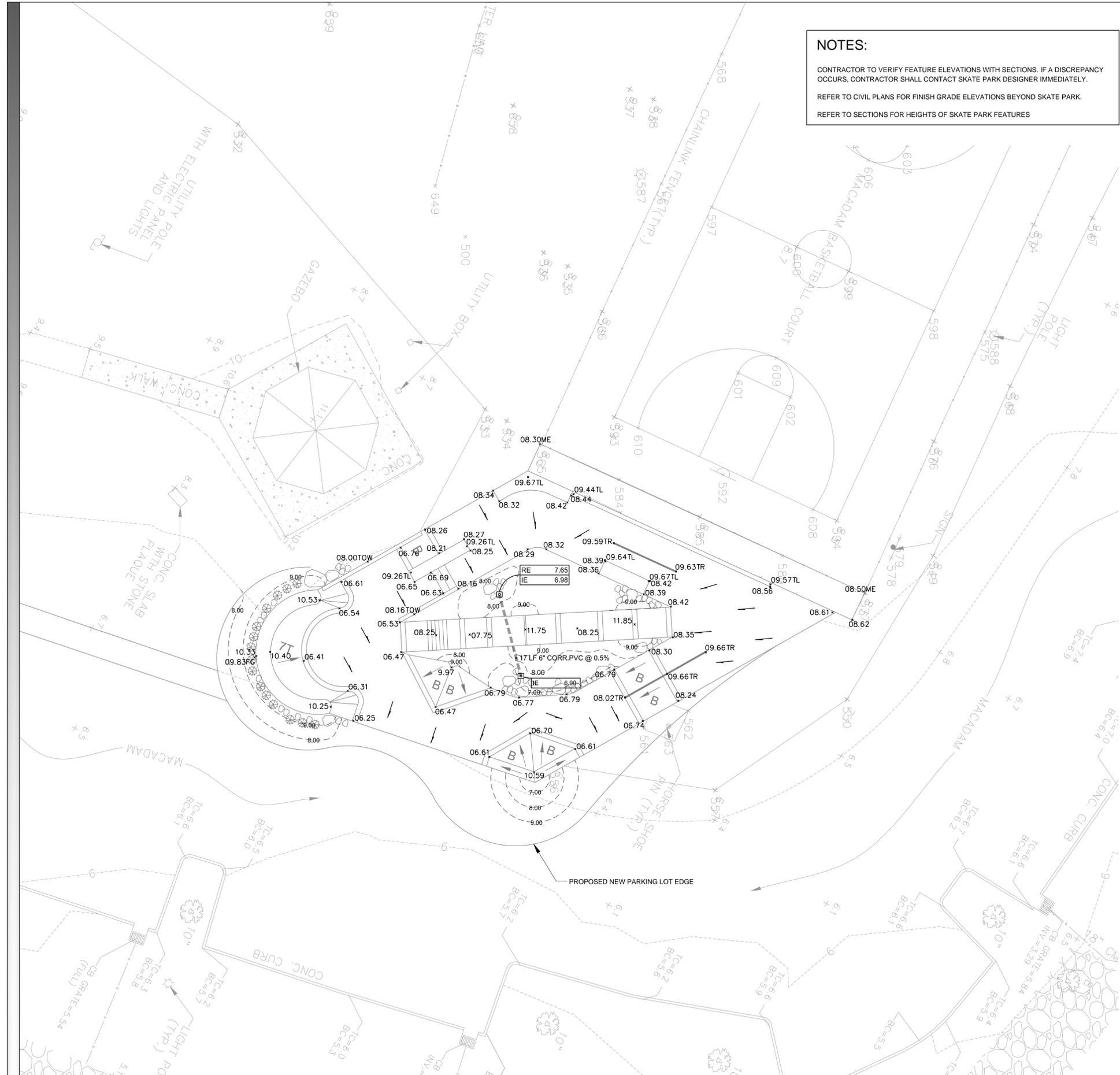
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SP-2.1



NOTES:

CONTRACTOR TO VERIFY FEATURE ELEVATIONS WITH SECTIONS. IF A DISCREPANCY OCCURS, CONTRACTOR SHALL CONTACT SKATE PARK DESIGNER IMMEDIATELY.

REFER TO CIVIL PLANS FOR FINISH GRADE ELEVATIONS BEYOND SKATE PARK.

REFER TO SECTIONS FOR HEIGHTS OF SKATE PARK FEATURES

GRADING LEGEND

SYMBOL	DESCRIPTION
	ATRIUM DRAIN MANUFACTURER: RAIN BIRD MODEL #: DB9KITG (9" SQ. BASIN KIT - GREEN)
	DIRECTION OF FLOW
	F.L. FLOWLINE
	R.E. RIM ELEVATION
	FG FINISH GRADE
	HP HIGH POINT
	B.G. - BREAK IN GRADE
	F.L. - FLOWLINE OF SWALE

TOW TOP OF RETAINING WALL ELEVATION
BASED ON A +000.00 ELEVATION AT
ADJACENT SITE GRADE.

T RADIUS OF WALL. REFER TO SECTION
SHEETS FOR PROFILE VIEW.

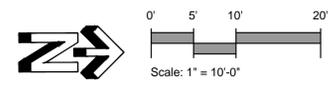
B BANK-EMBANKMENT WALL WITH SLOPE
AND RADII AT BASE. REFER TO SECTION
SHEETS FOR PROFILE VIEW.

GRADING & DRAINAGE SHEET NOTE MASTER

- FINAL HEIGHT AND SHAPE OF EXCAVATION TO BE VERIFIED BY SKATE PARK ARCHITECT IN THE FIELD.
- ALL SPOT ELEVATIONS ARE FOR TOP OF FINISH WORK UNLESS OTHERWISE NOTED.
- MINIMUM SLOPE FOR ALL CONCRETE FINISH WORK SHALL BE 1%. WATER MUST DRAIN TOWARDS DIRECTION OF FLOW ARROWS AND FOLLOW OVERALL DESIGN INTENT.
- ALL AREAS DISTURBED BY GRADING OPERATIONS TO BE FINE GRADED.
- VERIFY LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO COMMENCING WORK.
- REFER TO SECTIONS AND PROFILES FOR HEIGHT, RADII AND PROFILES.
- ALL FINE GRADING OF EARTHWORK SHALL BE INSPECTED WITH TEMPLATES CUT TO THE SPECIFIED RADII/ ANGLE. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR ALL TEMPLATES/ SCREENS TO BE USED FOR EARTHWORK TOLERANCES FOR APPROVAL BY SKATE PARK ARCHITECT.
- CONTRACTOR TO PROTECT ALL EXCAVATIONS FROM SOIL EROSION AND WATER SATURATION AT ALL TIMES USING APPROPRIATE CONSTRUCTION METHODS. AND LOSS OF SOIL PROFILE DURING CONSTRUCTION SHALL BE REPLACED WITH APPROPRIATE SOIL COMPOSITION AND COMPACTION METHODS TO MATCH LOSS SOIL.
- THE DRAINS IN THE SKATE PARK HAVE PERFORATIONS IN THE PORTION BELOW THE CONCRETE DECK TO AVOID ANY HYDRO-STATIC LIFT POTENTIAL.

SURVEY NOTES

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



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clarb certified
landscape architect

PROJECT: NYACK SKATEBOARD PLAZA
THE VILLAGE OF NYACK, NY

SHEET TITLE: SKATEPARK- GRADING & DRAINAGE PLAN

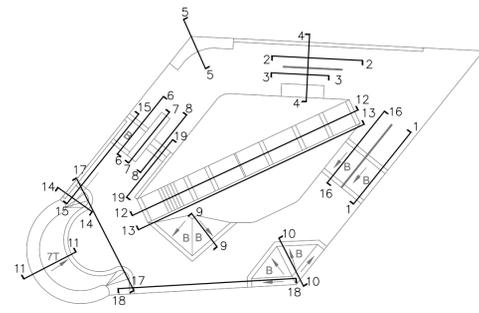
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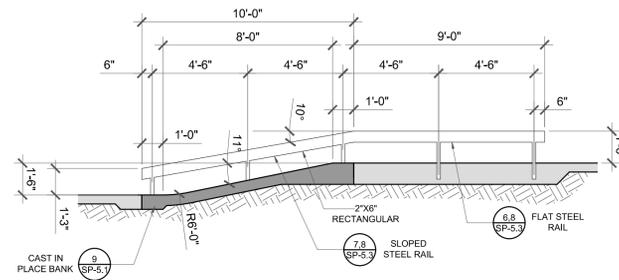
SHEET NUMBER:
SP-3.1



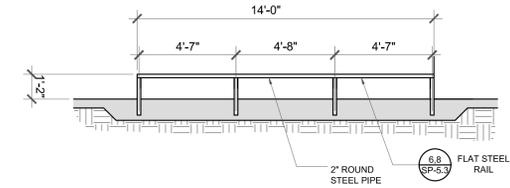
KEY MAP

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1" = 20'-0"

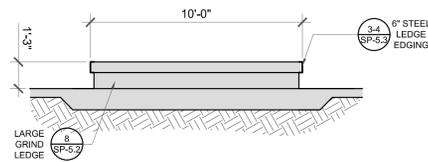
1 SECTION



2 SECTION



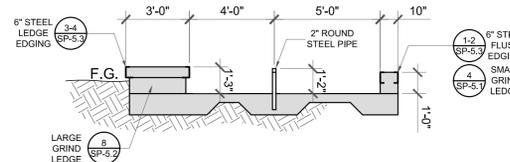
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1" = 4'-0"



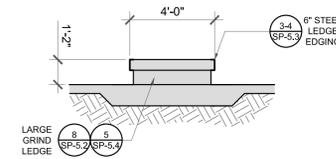
3 SECTION

0" 2' 4' SCALE
1" = 4'-0"

4 SECTION



5 SECTION



0" 2' 4' SCALE
1" = 4'-0"

CONCRETE GENERAL/SPECIALTY WORK LEGEND

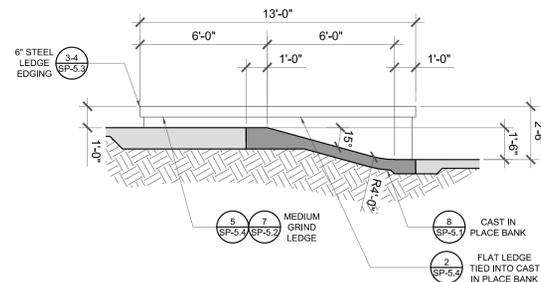
- CONCRETE WORK TO BE PERFORMED BY GENERAL CONTRACTOR
- CONCRETE WORK TO BE PERFORMED BY SKATE PARK SPECIALTY CONTRACTOR

SECTION GENERAL NOTES:

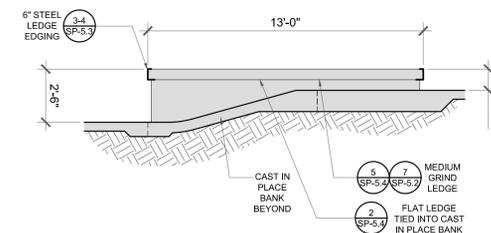
1. ALL SECTION DIMENSIONS ARE TOP OF CONCRETE FINISH GRADE UNLESS OTHERWISE NOTED.
2. DO NOT INCLUDE METAL FABRICATION OFFSET TO OVERALL DIMENSIONS SHOWN IN SECTIONS AND PROFILES.
3. REFER TO SKATEPARK LAYOUT PLAN SHEETS: SP-2.1/ SP-2.2 FOR ACTUAL HORIZONTAL LOCATIONS.
4. FINAL GRADE EARTHWORK AND FORMWORK TO REVIEWED AND APPROVED BY STANTEC REPRESENTATIVE. STANTEC RESERVES THE RIGHT TO MAKE FIELD ADJUSTMENTS AS NECESSARY TO FULLFILL THE DESIGN INTENT.
5. ALL DIMENSIONS AT BOTTOM OF BOWLS, ENBANKMENTS, TRANSITIONS ARE LOCATED AT THE COLD JOINT.
6. DUE TO THE UNIQUE AND SCULPTURAL ASPECTS OF THE SKATEPARK THE LOCATION OF THE DIMENSIONS IN THE SECTIONS NEED TO BE CROSS REFERENCED BY THE SKATEPARK LAYOUT PLAN SHEETS: SP-2.1/ SP-2.2.
7. CONTRACTOR SHALL HAVE EXTENSIVE KNOWLEDGE AND EXPERIENCE OF SKATEPARK CONSTRUCTION AND/ OR FREEFORM PRECISION CONCRETE FORMING, APPLICATION AND FINISHING TO PROPERLY INTERPRET SECTIONS/ PROFILES.
8. METAL FABRICATION NOT SHOWN ON SECTIONS - REFER TO MATERIALS PLAN - METALS AND DETAILS SHEETS FOR TYPE AND LOCATION.

NOTES

6 SECTION



7 SECTION

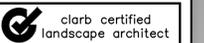


0" 2' 4' SCALE
1" = 4'-0"



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PROJECT: NYACK SKATEBOARD PLAZA
THE VILLAGE OF NYACK, NY

SHEET TITLE: SKATEPARK- SECTIONS

PROJECT:

SHEET TITLE:

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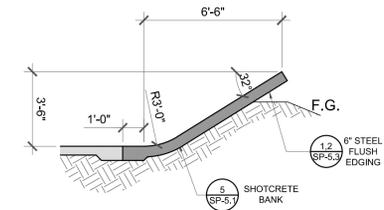
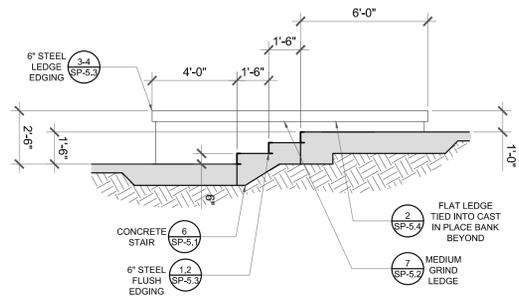
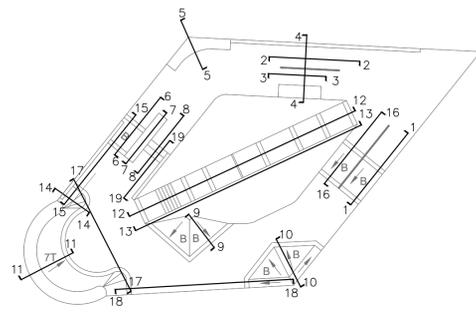
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- 3

SHEET NUMBER:

SP-4.1



KEY MAP

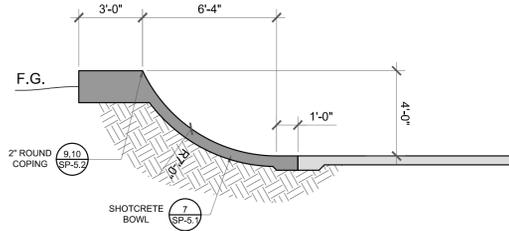
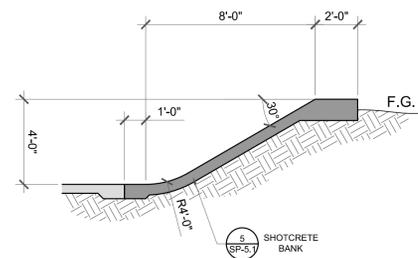
0" 10' 20' SCALE
1" = 20'-0"

8 SECTION

0" 2' 4' SCALE
1" = 4'-0"

9 SECTION

0" 2' 4' SCALE
1" = 4'-0"



10 SECTION

0" 2' 4' SCALE
1" = 4'-0"

11 SECTION

0" 2' 4' SCALE
1" = 4'-0"

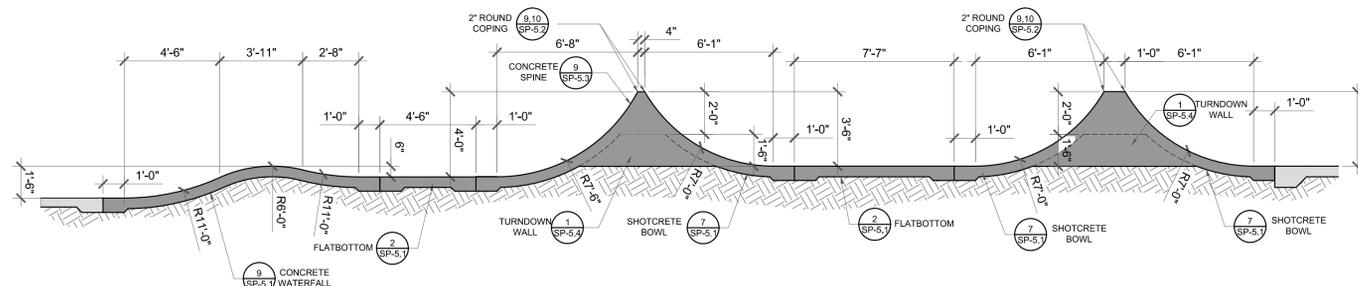
CONCRETE GENERAL/SPECIALTY WORK LEGEND

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

SECTION GENERAL NOTES:

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4. FINAL GRADE EARTHWORK AND FORMWORK TO BE REVIEWED AND APPROVED BY STANTEC REPRESENTATIVE. STANTEC RESERVES THE RIGHT TO MAKE FIELD ADJUSTMENTS AS NECESSARY TO FULLFILL THE DESIGN INTENT.
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NOTES



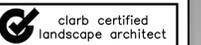
12 SECTION

0" 2' 4' SCALE
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NYACK SKATEBOARD PLAZA
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SKATEPARK- SECTIONS

PROJECT:

SHEET TITLE:

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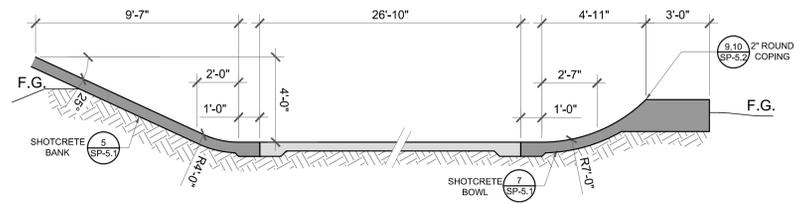
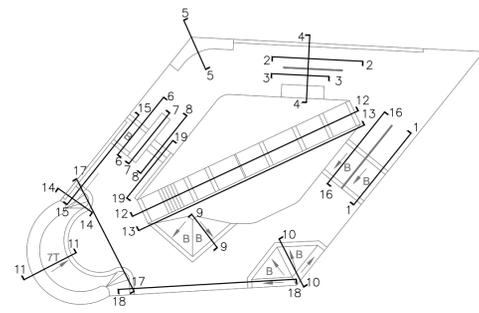
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REVISIONS:

1	
2	
3	

SHEET NUMBER:

SP-4.2

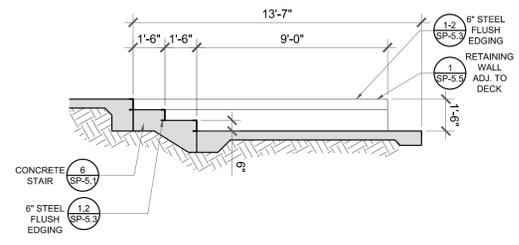


KEY MAP

0" 10' 20' SCALE
1" = 20'-0"

18 SECTION

0" 2' 4' SCALE
1" = 4'-0"



19 SECTION

0" 2' 4' SCALE
1" = 4'-0"

SECTION

SCALE

CONCRETE GENERAL/SPECIALTY WORK LEGEND

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

SECTION GENERAL NOTES:

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8. METAL FABRICATION NOT SHOWN ON SECTIONS - REFER TO MATERIALS PLAN - METALS AND DETAILS SHEETS FOR TYPE AND LOCATION.

NOTES

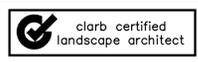
SECTION

SCALE



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LICENSE:



NYACK SKATEBOARD PLAZA
THE VILLAGE OF NYACK, NY

SKATEPARK- SECTIONS

PROJECT:
SHEET TITLE:

ISSUE DATE:
02.11.2015

DRAWN BY:
Stantec

CHECKED BY:
Stantec

REVISIONS:

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2	
3	

SHEET NUMBER:
SP-4.3

LICENSE:

clarb certified
landscape architect

NYACK SKATEBOARD PLAZA
THE VILLAGE OF NYACK, NY

SKATEPARK- CONSTRUCTION DETAILS

PROJECT:

SHEET TITLE:

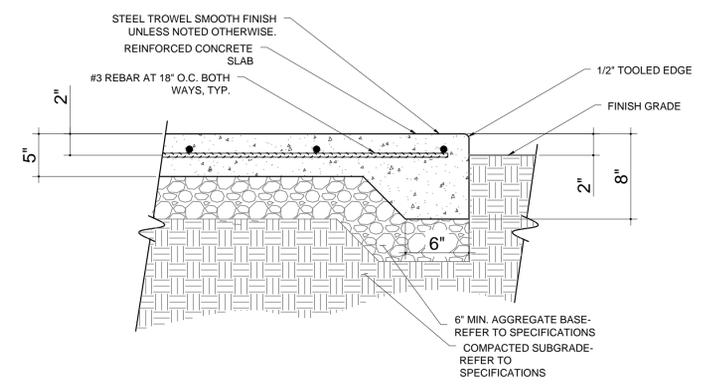
ISSUE DATE:
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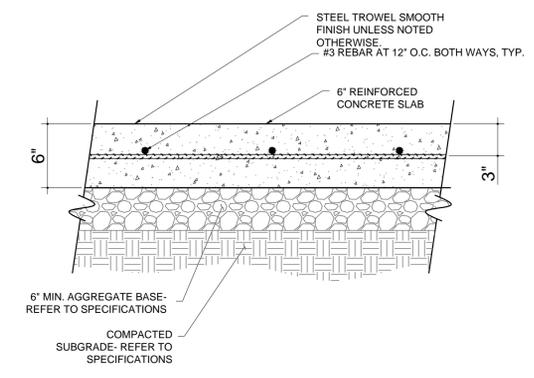
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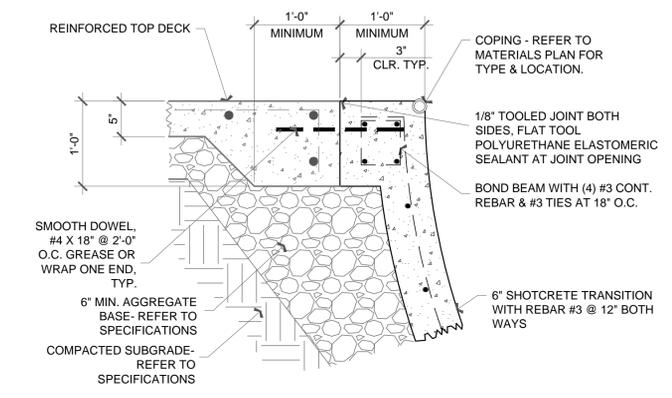
SHEET NUMBER:
SP-5.1



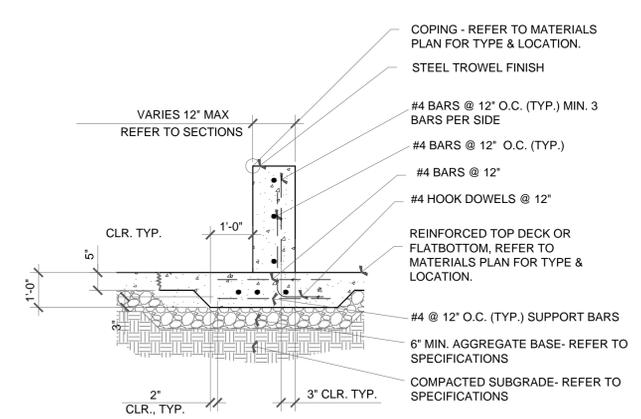
1 Top Deck Concrete Slab
SCALE: 1-1/2" = 1'-0"



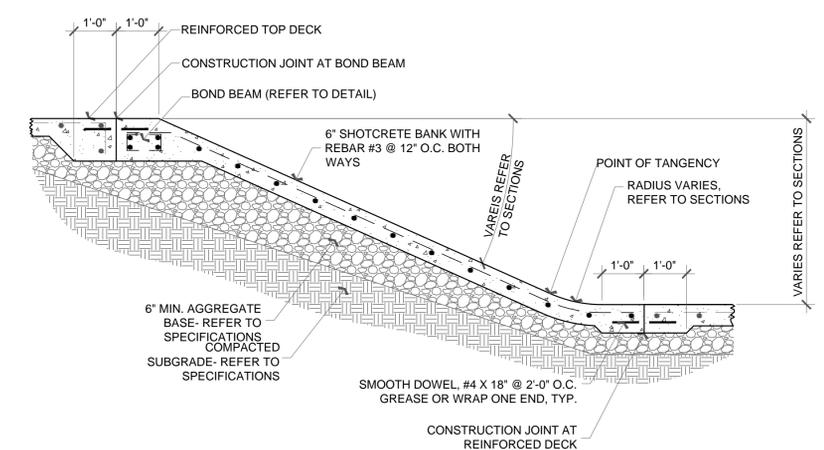
2 Flatbottom Concrete Slab
SCALE: 1-1/2" = 1'-0"



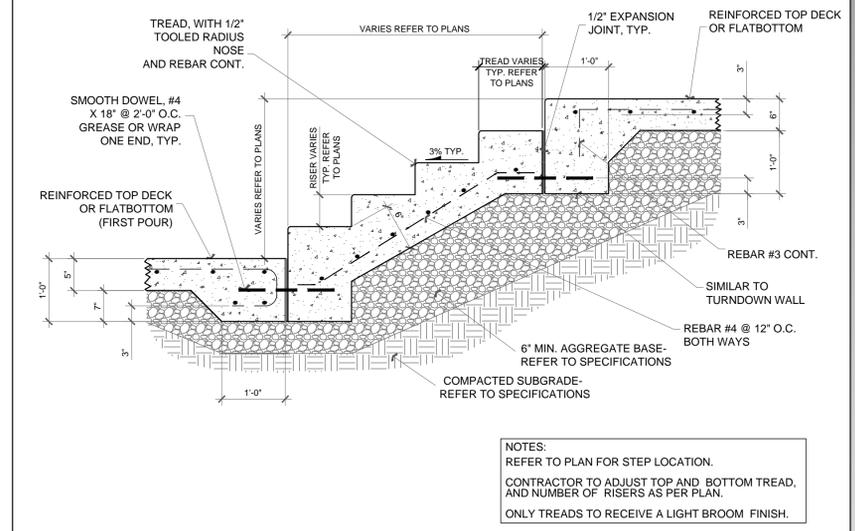
3 Typical Bond Beam
SCALE: 1" = 1'-0"



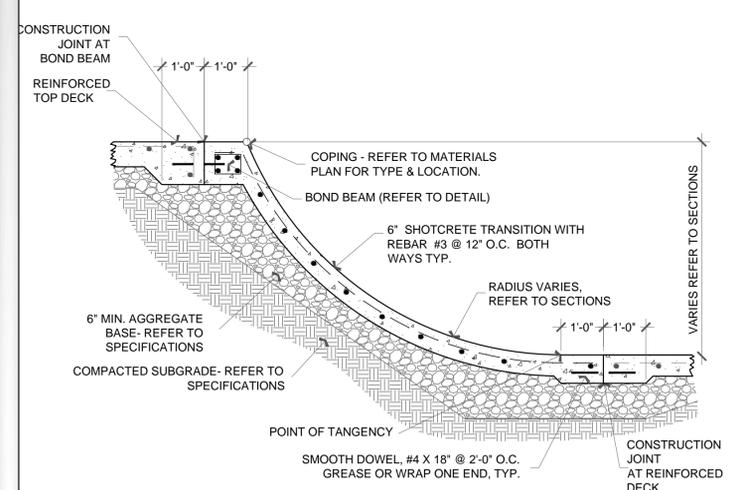
4 Small Grind Ledge
SCALE: 1-1/2" = 1'-0"



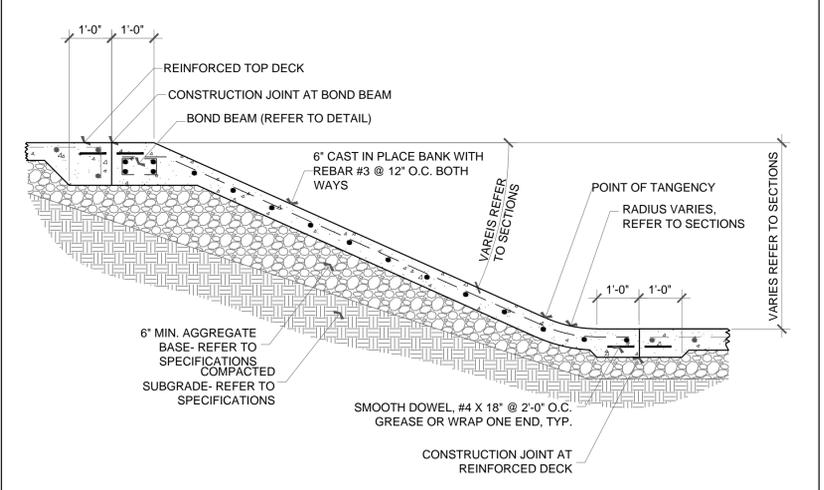
5 Typical Shotcrete Concrete Bank
SCALE: 1/2" = 1'-0"



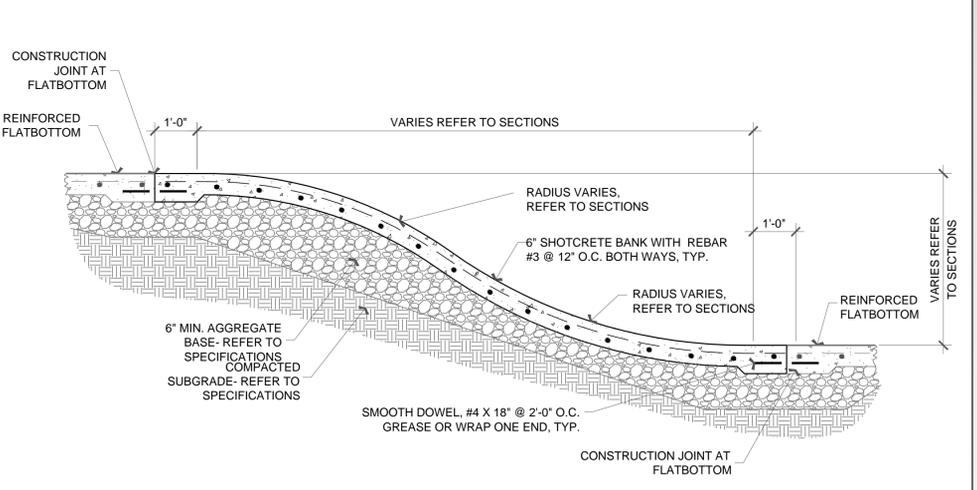
6 Typical Concrete Stair
SCALE: 3/4" = 1'-0"



7 Typical Concrete Bowl
SCALE: 1/2" = 1'-0"



8 Typical Cast In Place Concrete Bank
SCALE: 1/2" = 1'-0"



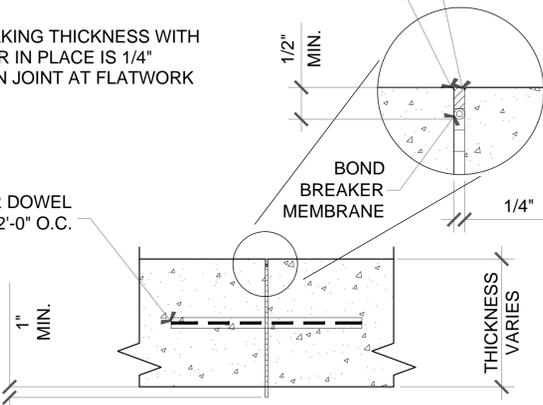
9 Typical Concrete Water Fall
SCALE: 1/2" = 1'-0"

POLYURETHANE ELASTOMERIC OR EQUAL SEALANT- TOOL FLAT & SMOOTH SIKAFLEX- 51 OR EQUAL- COLOR TO MATCH CONCRETE

1/8" TOOLED RADIUS BOTH SIDES, TYP.

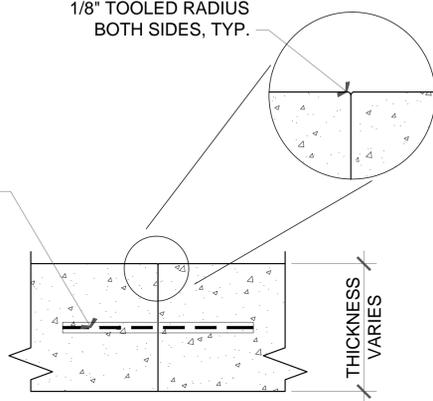
NOTE:
MINIMUM CAULKING THICKNESS WITH BOND BREAKER IN PLACE IS 1/4"
1/4" EXPANSION JOINT AT FLATWORK

#4 X 18" REBAR DOWEL WITH SLEEVE @ 2'-0" O.C.



1/8" TOOLED RADIUS BOTH SIDES, TYP.

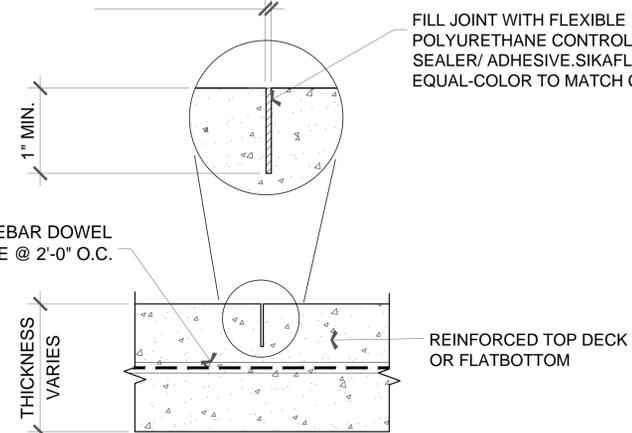
#4 X 18" REBAR DOWEL WITH SLEEVE @ 2'-0" O.C.



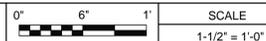
1/8" SAW-CUT

FILL JOINT WITH FLEXIBLE POLYURETHANE CONTROL-JOINT SEALER/ ADHESIVE.SIKAFLEX-51 OR EQUAL-COLOR TO MATCH CONCRETE

#4 X 18" REBAR DOWEL WITH SLEEVE @ 2'-0" O.C.



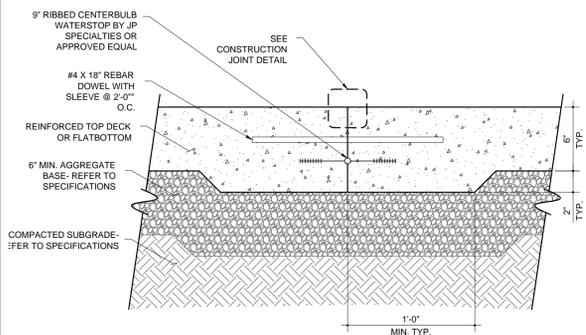
1 Expansion Joint at Flatwork



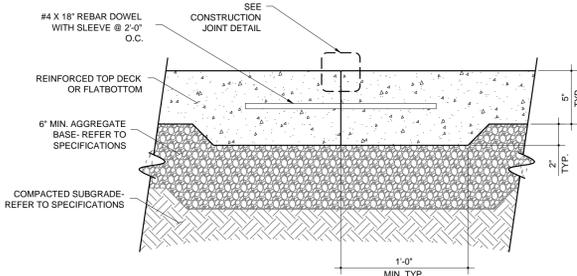
2 Construction Joint at Flatwork



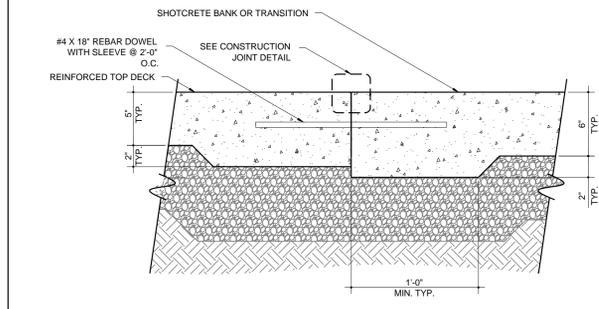
3 Sawcut Joint at Flatwork



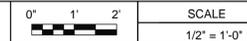
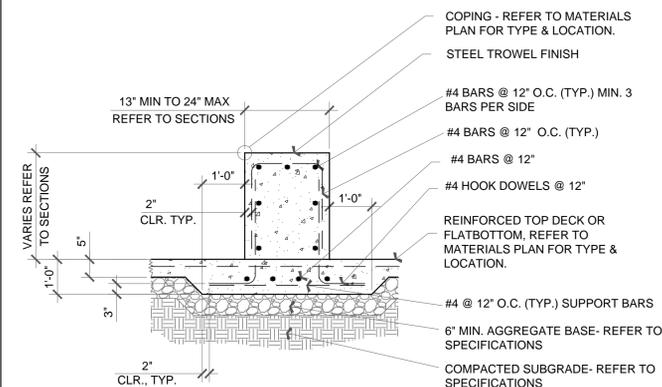
4 Construction Joint at 6" Slab



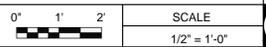
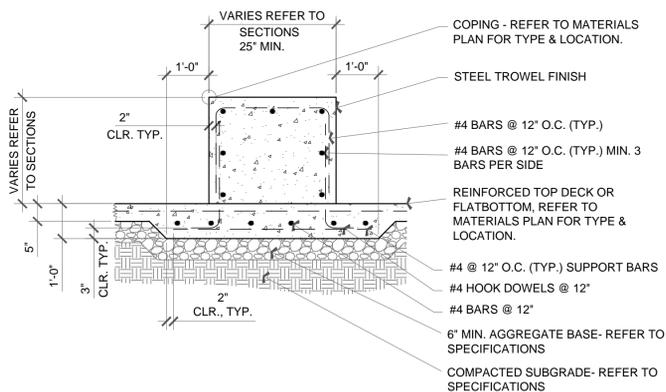
5 Construction Joint at 5" Slab



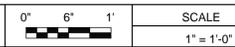
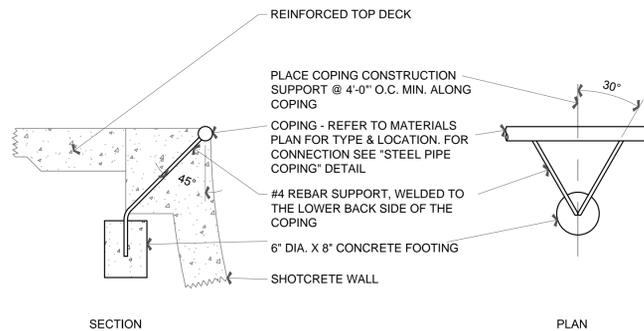
6 Construction Joint at 5" to 6" Slab



7 Medium Grind Ledge



8 Large Grind Ledge

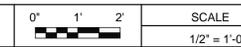
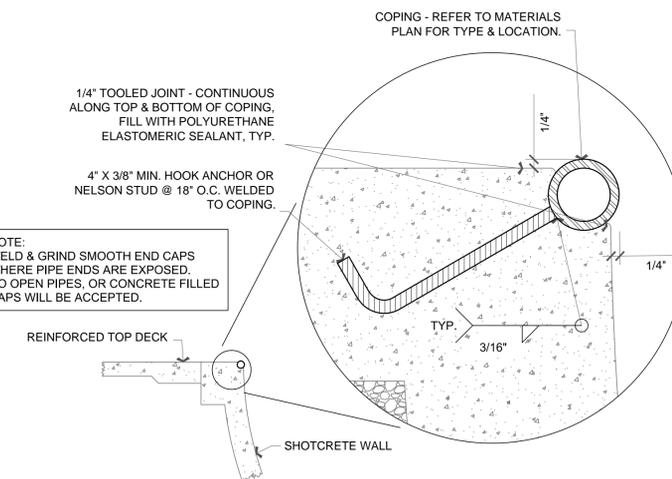


9 Typical Coping Support

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

4" X 3/8" MIN. HOOK ANCHOR OR NELSON STUD @ 18" O.C. WELDED TO COPING.

NOTE:
WELD & GRIND SMOOTH END CAPS WHERE PIPE ENDS ARE EXPOSED. NO OPEN PIPES, OR CONCRETE FILLED CAPS WILL BE ACCEPTED.



10 Round Coping

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SKATEPARK- CONSTRUCTION DETAILS

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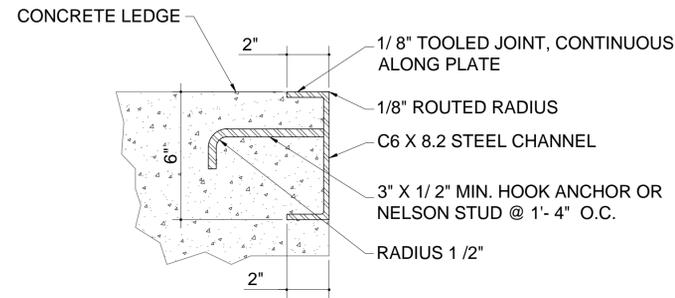
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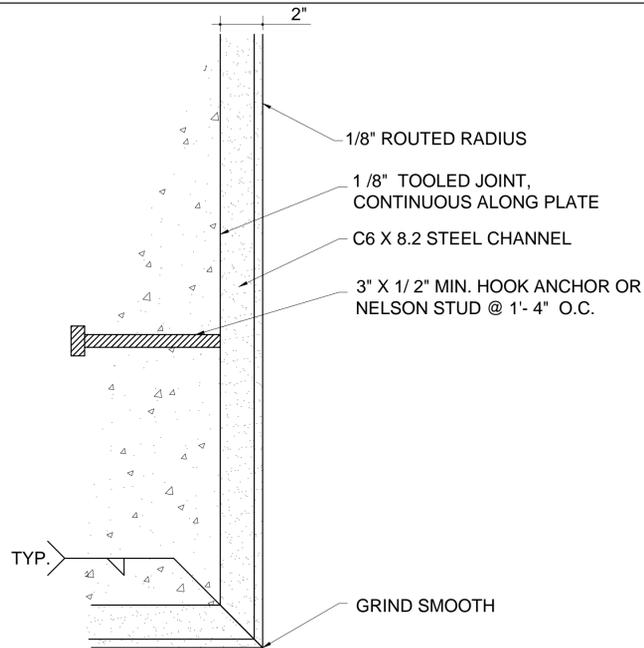
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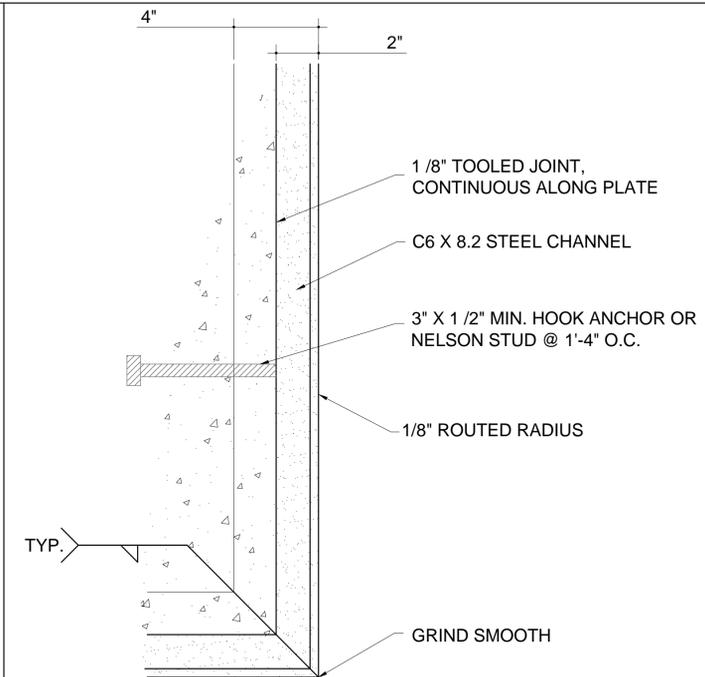
SP-5.2



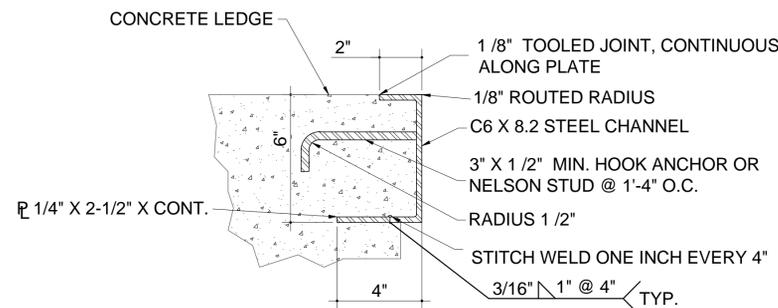
1 6" Steel Flush Edging Detail- Section



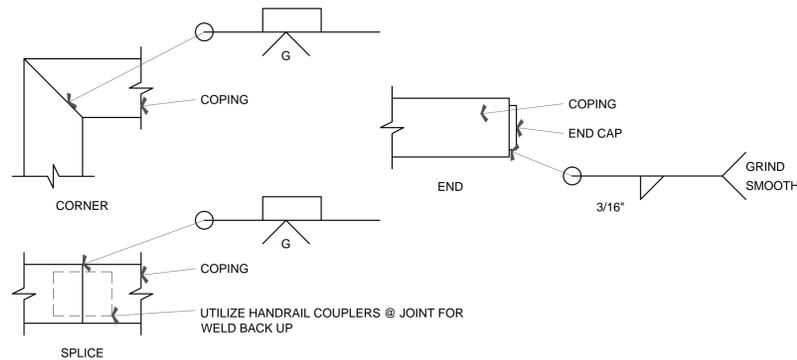
2 6" Steel Flush Edging Detail- Plan



3 6" Steel Ledge Edging Detail- Plan

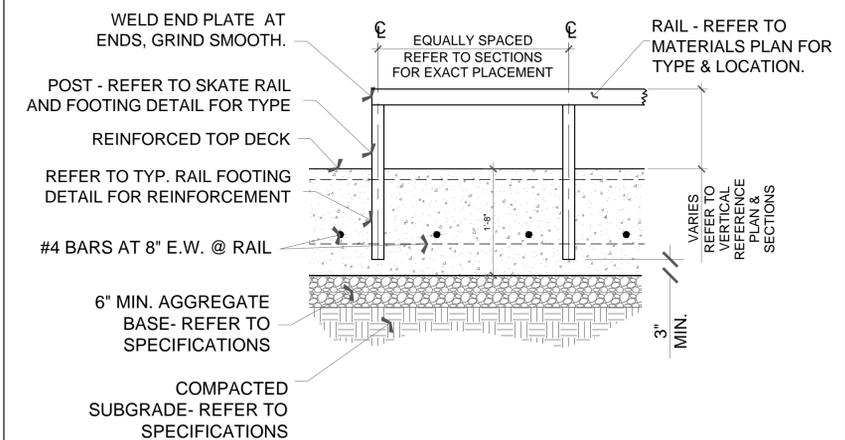


4 6" Steel Ledge Edging Detail- Section

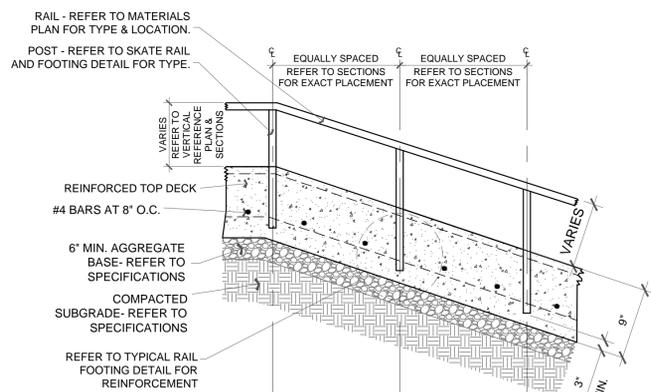


5 Typical Coping Joints

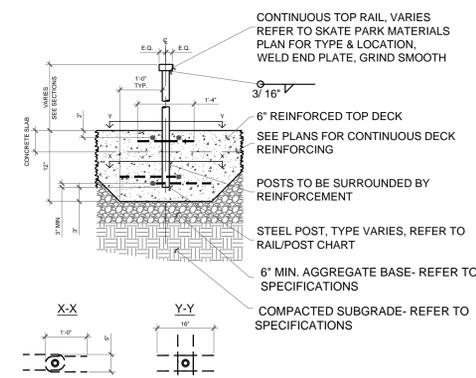
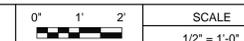
NTS



6 Flat Steel Rail



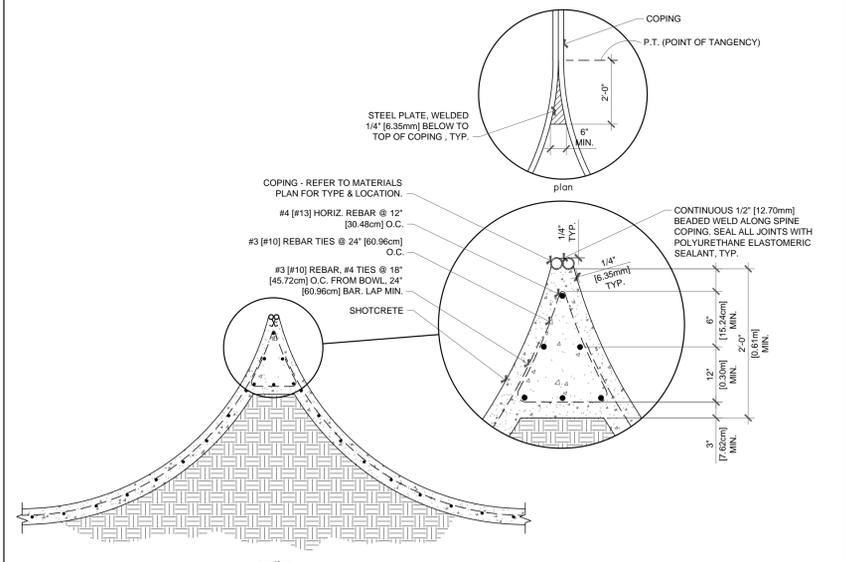
7 Sloped Steel Rail



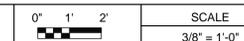
8 Typical Rail Footing

rail/post chart	
	ROUND PIPE
RAIL	POST
3" ROUND	2-1/2" ROUND
3-1/2" ROUND	2-1/2" ROUND
4" ROUND	2-1/2" ROUND
	HORIZONTAL FLAT BAR
RAIL	POST
2" X 3" SQUARE	2" ROUND
2" X 6" SQUARE	2" X 2" SQUARE
2" X 8" SQUARE	2" X 2" SQUARE
3" X 3" SQUARE	2-1/2" ROUND
4" X 4" SQUARE	3" ROUND
	VERTICAL FLAT BAR
RAIL	POST
2-1/2" X 4" SQUARE	2" X 2" SQUARE
3" X 5" SQUARE	2-1/2" ROUND
4" X 6" SQUARE	3" ROUND

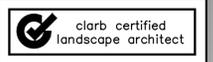
USE THESE RAIL/POST COMBINATIONS UNLESS OTHERWISE NOTED.



9 Typical Concrete Spine



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SKATEPARK- CONSTRUCTION DETAILS

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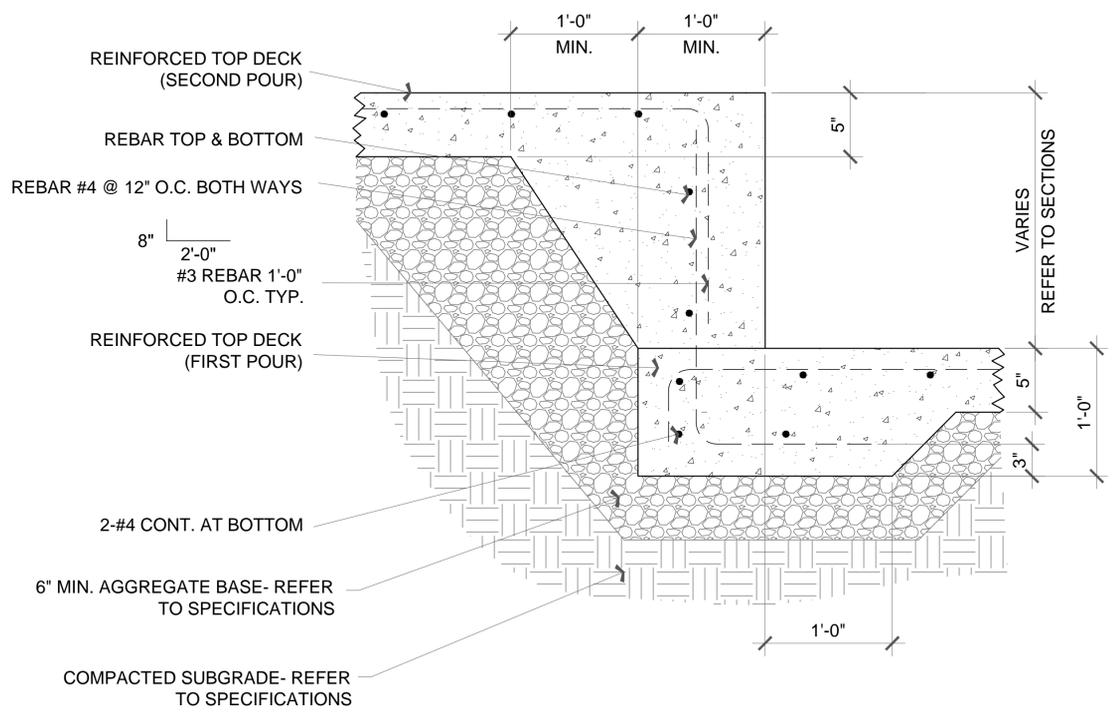
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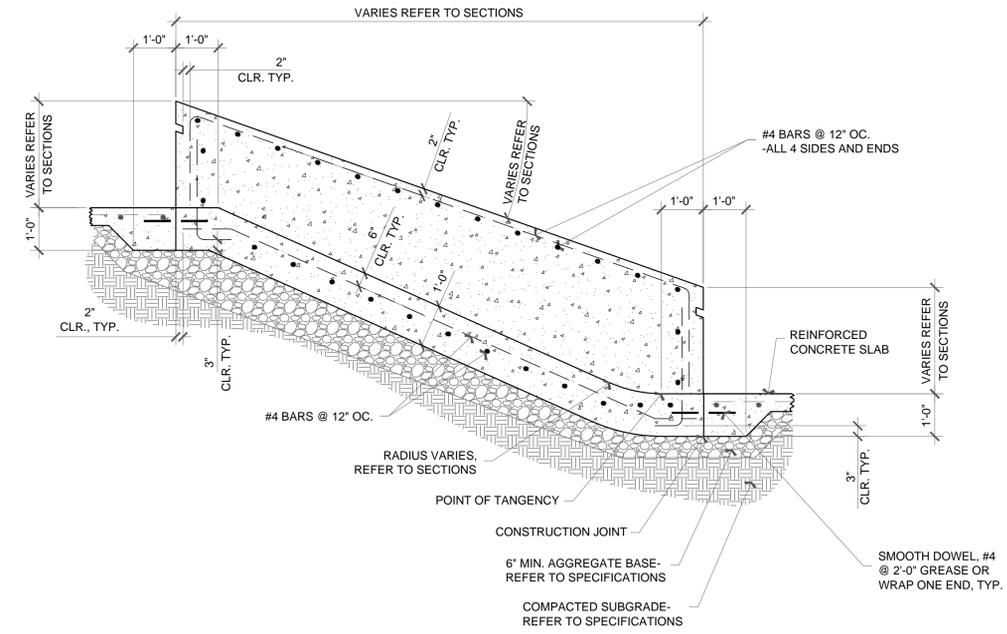
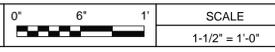
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SHEET NUMBER:

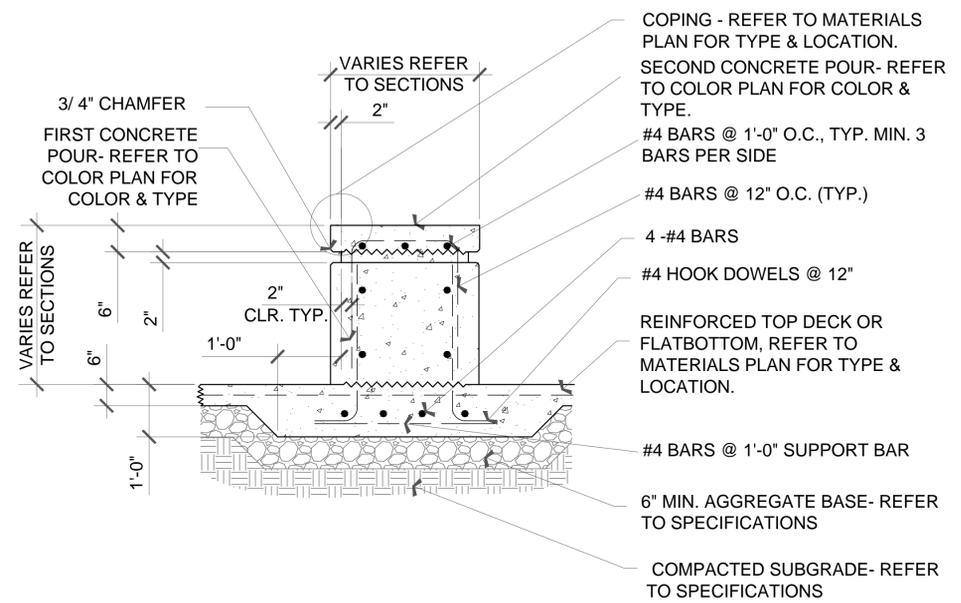
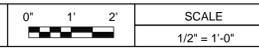
SP-5.4



1 Typical Turndown Wall



2 Sloped Ledge Tied into Bank



NA

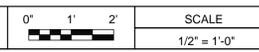
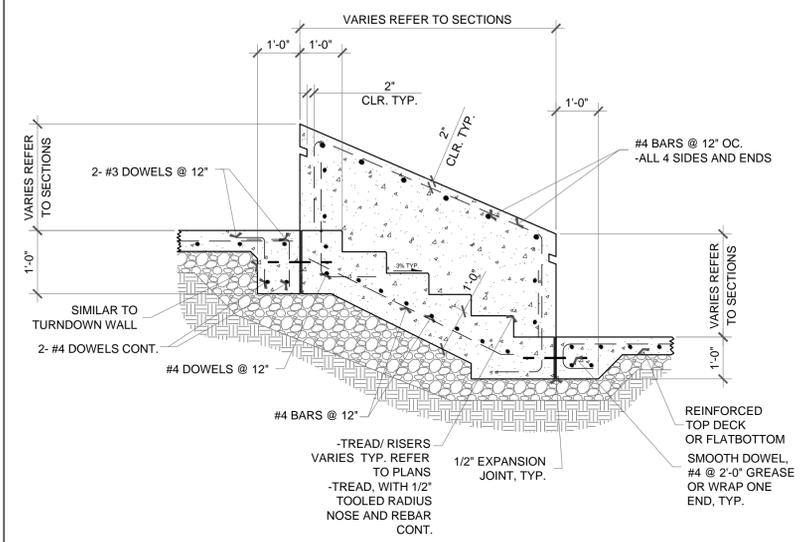
SCALE

4 Capped Ledge

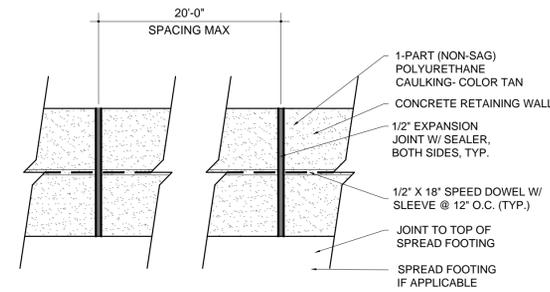
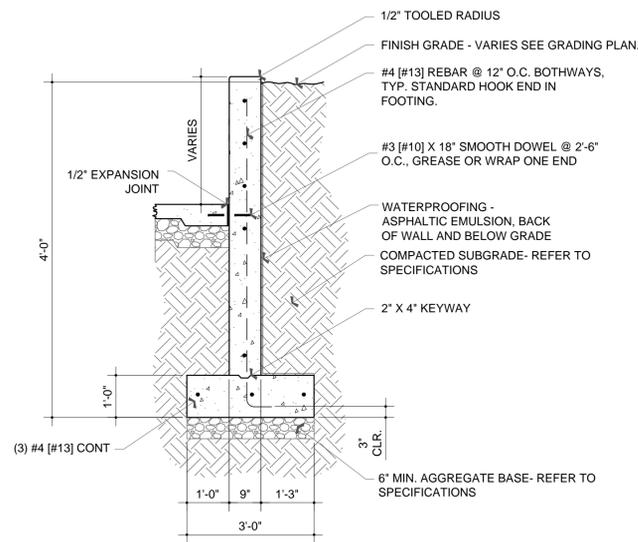


SCALE

5 Sloped Ledge Tied Into Stairs



SCALE



REBAR DEVELOPMENT LENGTHS

Rebar Size	NW Concrete						
	3000psi		4000psi		4000psi		
English	Metric	Top Bars Id	Bot. Bars Id	Idh	Top Bars Id	Bot. Bars Id	Idh
#3	#10	21" [53.34cm]	16" [40.64cm]	8" [20.32cm]	18" [45.72cm]	14" [35.56cm]	7" [17.78cm]
#4	#13	28" [71.12cm]	22" [55.88cm]	11" [27.94cm]	25" [63.50cm]	19" [48.26cm]	9" [22.86cm]
#5	#16	36" [91.44cm]	27" [68.58cm]	14" [35.56cm]	31" [78.74cm]	24" [60.96cm]	12" [30.48cm]
#6	#19	43" [109.22cm]	33" [83.82cm]	16" [40.64cm]	37" [93.98cm]	28" [71.12cm]	14" [35.56cm]
#7	#22	62" [157.48cm]	48" [121.92cm]	19" [48.26cm]	54" [137.16cm]	42" [106.68cm]	17" [43.18cm]
#8	#25	71" [180.34cm]	55" [139.70cm]	22" [55.88cm]	62" [157.48cm]	47" [119.38cm]	19" [48.26cm]
#9	#29	80" [203.20cm]	62" [157.48cm]	25" [63.50cm]	69" [175.26cm]	53" [134.62cm]	21" [53.34cm]
#10	#32	89" [226.06cm]	68" [172.72cm]	27" [68.58cm]	77" [195.58cm]	59" [149.86cm]	24" [60.96cm]
#11	#36	98" [248.92cm]	75" [190.50cm]	30" [76.20cm]	85" [215.90cm]	65" [165.10cm]	26" [66.04cm]

NOTES:
 THESE LENGTHS APPLY TYPICALLY UNLESS NOTED OTHERWISE ON PLANS AND/OR DETAILS
 CLEAR SPACING BETWEEN PARALLEL BARS MUST BE AT LEAST ONE BAR DIAMETER BUT NOT LESS THAN 1".
 TOP BARS: HORIZONTAL BARS PLACED SO THAT MORE THAN 12" OF FRESH CONCRETE IS CAST IN THE MEMBER BELOW.
 LIGHTWEIGHT CONCRETE: MULTIPLY VALUES IN TABLE BY 1.3
 CLASS B SPLICE: $l_d \times 1.3$ LAP LENGTH, STAGGER SPLICES MIN. OF 24"

3 Rebar Development Length Chart

STEEL SHAPES CHART

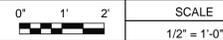
Imperial					
Round		Square		Rectangular	
Nominal Size	Actual Size	Nominal Size	Actual Size	Nominal Size	Actual Size
2"	HSS 2.375 x 0.1875	2" X 2"	HSS 2.000 x 2.000 x 0.1875	2" X 3"	HSS 2.000 x 3.000 x 0.1875
2-1/2"	HSS 2.875 x 0.1875	3" X 3"	HSS 3.000 x 3.000 x 0.1875	2" X 6"	HSS 2.000 x 6.000 x 0.1875
3"	HSS 3.500 x 0.1875	3-1/2" X 3-1/2"	HSS 3.500 x 3.500 x 0.1875	2" X 8"	HSS 2.000 x 8.000 x 0.1875
3-1/2"	HSS 4.000 x 0.1875	4" X 4"	HSS 4.000 x 4.000 x 0.1875	2-1/2" X 4"	HSS 2.500 x 4.000 x 0.1875
4"	HSS 4.500 x 0.1875			3" X 5"	HSS 3.000 x 5.000 x 0.1875

Metric					
Round		Square		Rectangular	
Nominal Size	Actual Size	Nominal Size	Actual Size	Nominal Size	Actual Size
2"	6.03cm x 4.76mm	2" X 2"	5.08cm x 5.08cm x 4.76mm	2" X 3"	5.08cm x 7.62cm x 4.76mm
2-1/2"	7.30cm x 4.76mm	3" X 3"	7.62cm x 7.62cm x 4.76mm	2" X 6"	5.08cm x 15.24cm x 4.76mm
3"	8.89cm x 4.76mm	3-1/2" X 3-1/2"	8.89cm x 8.89cm x 4.76mm	2" X 8"	5.08cm x 20.32cm x 4.76mm
3-1/2"	10.16cm x 4.76mm	4" X 4"	10.16cm x 10.16cm x 4.76mm	2-1/2" X 4"	6.35cm x 10.16cm x 4.76mm
4"	11.43cm x 4.76mm			3" X 5"	7.62cm x 12.70cm x 4.76mm

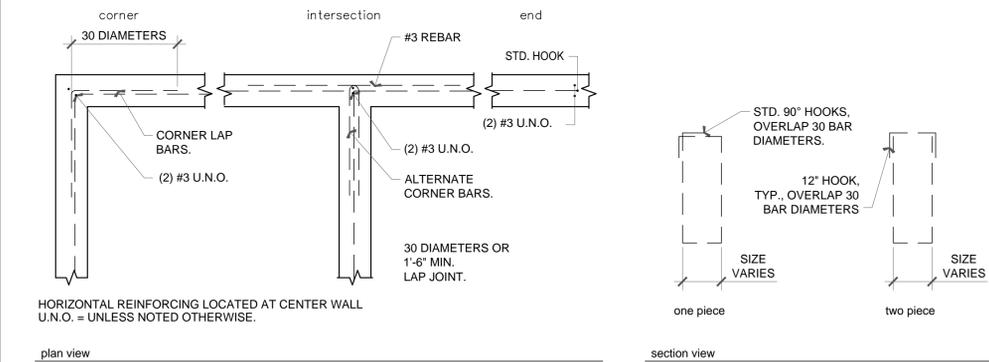
NOTE: ALL HOLLOW STRUCTURAL SECTIONS (HSS) TO BE ASTM A-500 GRADE B STEEL.

4 Steel Shapes Chart

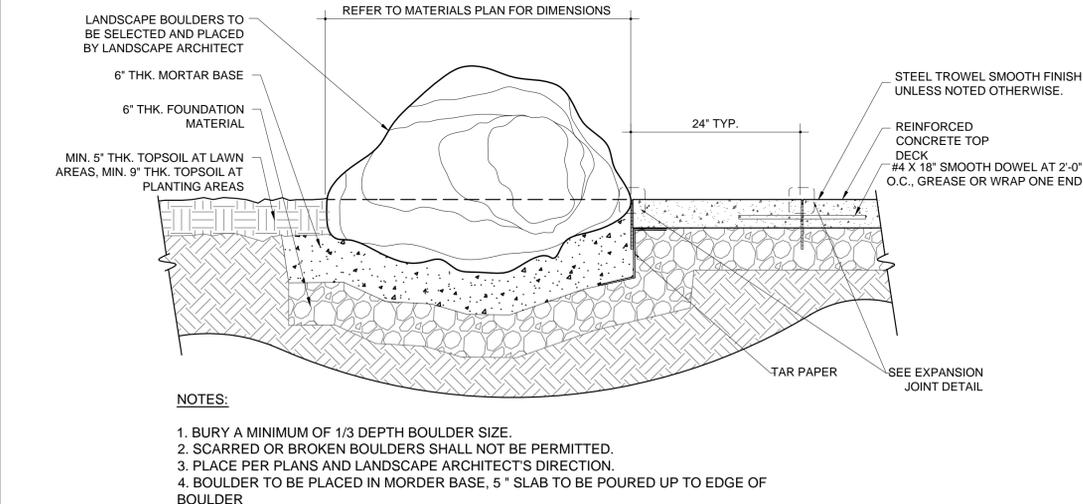
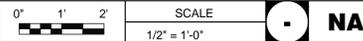
1 Retaining Wall Adjacent to Deck



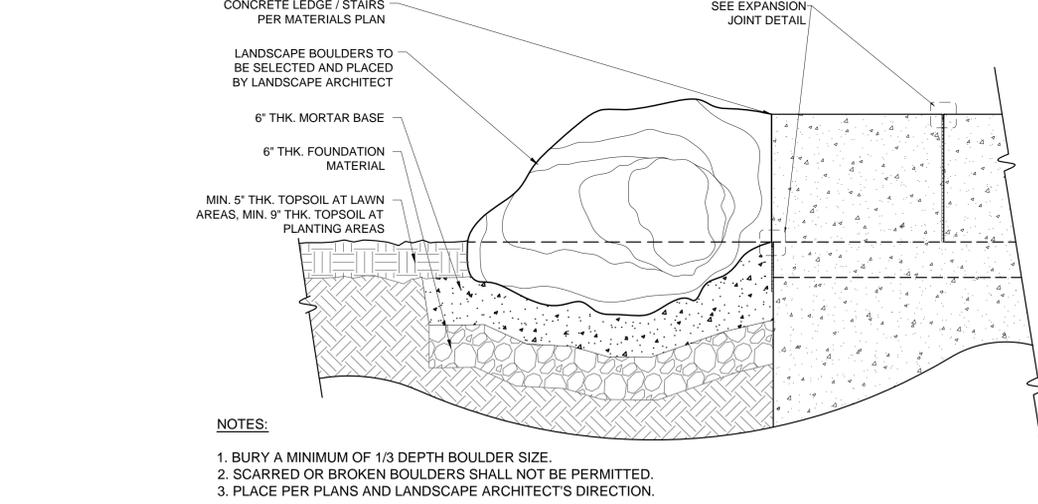
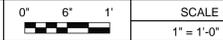
2 Retaining Wall- Expansion Joint & Water Proofing



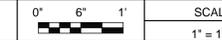
5 Concrete Reinforcement



7 Boulder Installation At Deck



8 Boulder Installation at Ledge



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LICENSE:

clarb certified landscape architect

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 SHEET TITLE: SKATEPARK- CONSTRUCTION DETAILS

ISSUE DATE: 02.11.2015

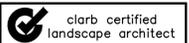
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CHECKED BY: Stantec

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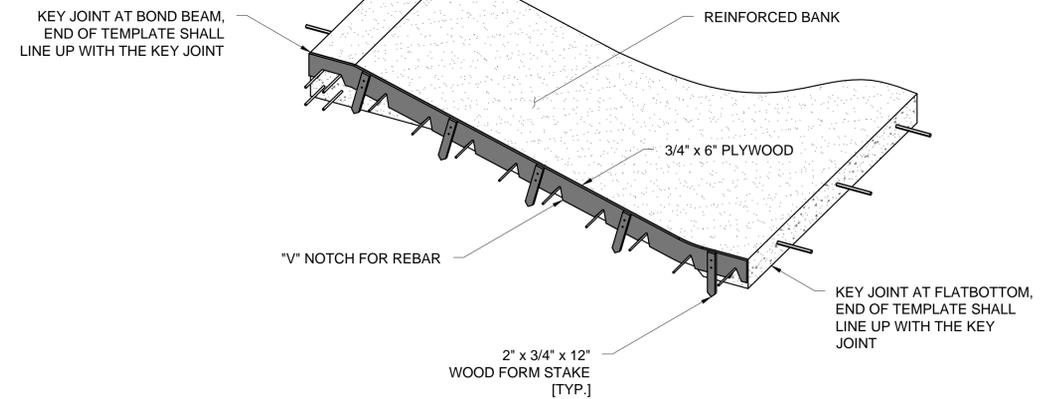
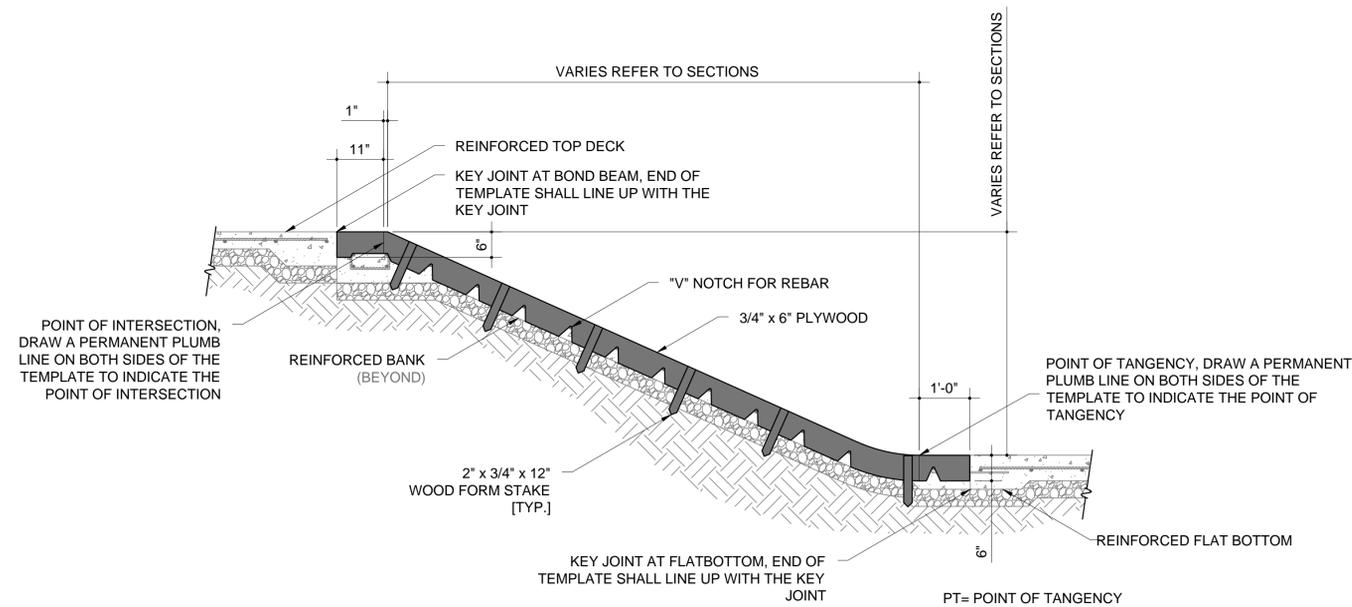
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SP-5.6

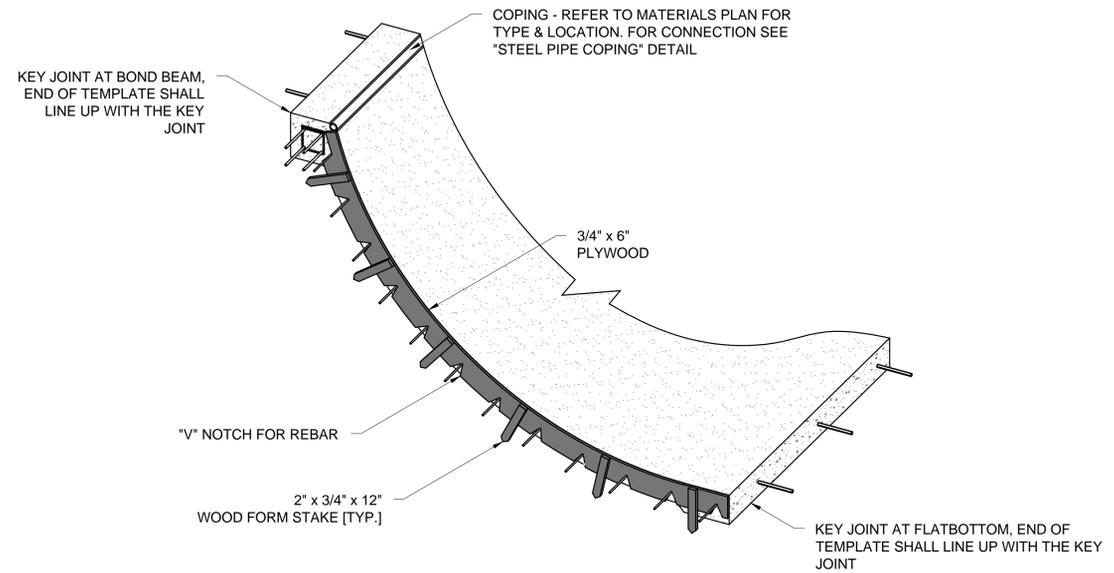
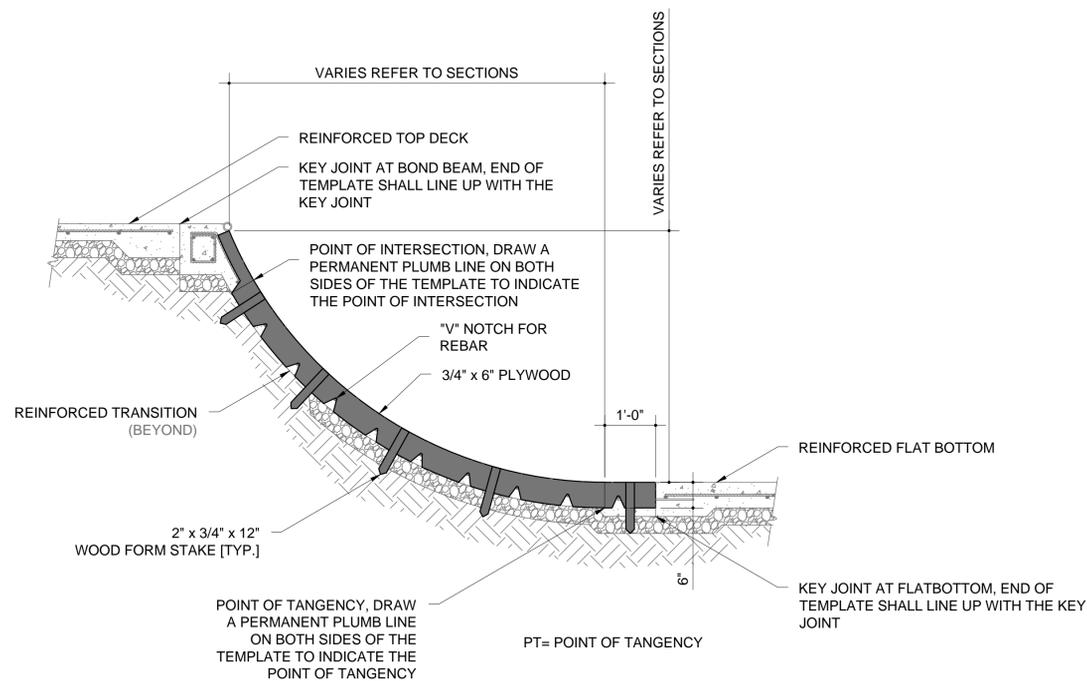


1 BANK FORM

NOT TO SCALE

2 BANK FORM - ISOMETRIC VIEW

NOT TO SCALE



3 TRANSITION FORM

NOT TO SCALE

4 TRANSITION FORM - ISOMETRIC VIEW

NOT TO SCALE