

GENERAL NOTES:

1. SITE TO BE GRADED AS PER PLAN.
2. ALL WORK PERFORMED TO COMPLY WITH ALL APPLICABLE NATIONAL, STATE, AND/OR LOCAL BUILDING CODES.
3. ALL SOIL USED IN CONSTRUCTION SHALL BE VIBRATORY HAND ROLLED TO 95% MAX. STANDARD PROCTOR DENSITY PRIOR TO ANY POURING OF CONCRETE ON SITE.
4. CONTRACTOR SHALL TAKE ALL PRECAUTIONS ON SITE INVOLVING RUN OFF, BY USING EITHER SILT SOCKS, OR HAY BALE DIKES, IN ACCORDANCE WITH COUNTY REGULATIONS.
5. CONTRACTOR SHALL NOTIFY ALL UTILITIES TO ALL FOR LOCATION OF ANY BURIED SERVICES IN THE AREA PRIOR TO BEGINNING OF CONSTRUCTION. ANY SERVICES SHOWN IN THE SET ARE FOR REFERENCE ONLY, AND MAY NOT SHOW ALL SERVICES CURRENTLY ON SITE. CONTRACTOR SHALL WAIT A MINIMUM OF TWO (2) BUSINESS DAYS TO ALLOW UTILITIES TO BE LOCATED.
6. CONTRACTOR ASSUMES ALL RESPONSIBILITY FOR ANY DAMAGED PROPERLY MARK UTILITIES. ANY UTILITIES DAMAGED WILL BE SOLELY THE CONTRACTOR'S RESPONSIBILITY TO REPAIR AND SHALL PROVIDE ALL EXPENSES ASSOCIATED WITH THE DAMAGE.
7. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, TRANSPORTATION, AND SERVICES NECESSARY TO FURNISH AND INSTALL ALL CONSTRUCTION ELEMENTS AND SHOWN IN THIS SET OF PLANS AND NOTES.
8. CONTRACTOR SHALL IMPLEMENT THE CONSTRUCTION OF THE SKATEPARK PROJECT, INCLUDING BUT NOT LIMITED TO, CONSTRUCTION OF THE ENTRY WALKWAY, ON-STREET PARKING DESIGNATIONS, CONCRETE PLAZA, SITE GRADING, SKATE PARK IMPROVEMENTS, AND/OR ANY SWPPP THAT MAY BE REQUIRED (PER LOCAL OR STATE REGULATIONS).
9. CONTRACTOR SHALL BE RESPONSIBLE FOR PLACING CONSTRUCTION FENCING TO ENSURE SAFETY FOR ALL OTHER PARK USERS.

SHOTCRETE NOTES:

1. ACI STANDARD 506, LATEST EDITION "SPECIFICATION FOR MATERIALS, PROPORTIONING, AND APPLICATION OF SHOTCRETE" AND ACI 506.2, LATEST EDITION "RECOMMENDED PRACTICES FOR SHOTCRETING" SHALL BE FOLLOWED.
2. ANY IN-PLACE SHOTCRETE MATERIAL WHICH EXHIBITS SAGS OR SLOUGHS, SEGREGATION, HONEYCOMBING, SAND POCKETS OR OTHER OBVIOUS DEFECTS SHALL BE REMOVED AND REPLACED.
3. 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 APPLICATION.
4. JOINTS IN WALLS 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 MATERIALS.

CONCRETE NOTES:

1. ALL CONCRETE CONSTRUCTION SHALL CONFORM TO AMERICAN CONCRETE INSTITUTE'S "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI 318 - LATEST EDITION) AND "SPECIFICATION FOR STRUCTURAL CONCRETE FOR BUILDINGS" (ACI 301 - LATEST EDITION)
2. REINFORCEMENT SHALL CONFORM TO ASTM "SPECIFICATIONS FOR DEFORMED & PLAIN BILLET-STEEL BARS FOR CONCRETE REINFORCEMENT" - A615 GRADE 60, MINIMUM YIELD STRENGTH OF 60,000 PSI.
3. MINIMUM TO CENTER OF BAR COVERAGE FOR REINFORCEMENT IN SITE-CAST CONCRETE SHALL BE AS FOLLOWS:
 CONCRETE CAST AGAINST EARTH-----3"
 CONCRETE EXPOSED TO WEATHER OR EARTH (FORMED) #5 BAR & LARGER---3"
 #4 BAR AND SMALLER-2"
4. JOINT MATERIAL FOR COLD JOINTS AND EXPANSION JOINTS SHALL BE "BASF NP1" OR APPROVED EQUIVALENT, INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS.
5. CONDUITS, PIPES, AND SLEEVES EMBEDDED IN CONCRETE SHALL CONFORM TO THE 2009 IBC.
6. AGGREGATE BASE AS REQUIRED BY LOCAL PRACTICE OR GEOTECHNICAL REPORT, SHALL BE A COMMONLY AVAILABLE MATERIAL, W/ AGGREGATE SIZE RANGING FROM 3/8"-3/4" COMPACTED TO NOT LESS THAN 95% OF MAX. STANDARD PROCTOR DENSITY. THE TOP 12" [300mm] OF SUBGRADE MATERIAL SHALL BE COMPACTED TO 95% OF STANDARD PROCTOR AS PER ASTM D-698.
7. ALL WORK SHALL BE IN ACCORDANCE WITH THE SAFETY AND PERFORMANCE GUIDELINES PERTAINING TO IN-GROUND SKATEPARK FACILITIES AS SPECIFIED IN THE STANDARD GUIDE FOR IN-GROUND CONCRETE SKATEPARK ASTM F-2480
8. SECURE ALL REINFORCING, ANCHOR BOLTS, INSERTS, ETC. RIGIDLY IN PLACE PRIOR TO POURING CONCRETE.
9. ALL REBAR SHALL BE COLD BENT.
10. REMOVE FORMS AT FOLLOWING MINIMUM TIMES AFTER POURING, UNLESS OTHERWISE IDENTIFIED: SLAB EDGES = 24 HOURS, AT WALLS LESS THAN 4'-0" [1.22m] HIGH = 36 HOURS
11. DURING THE CURING PERIOD, CONCRETE SHALL BE MAINTAINED AT A TEMPERATURE ABOVE 40°F [4°C] AND IN MOIST CONDITION. FOR INITIAL CURING, CONCRETE SHALL BE KEPT CONTIGUOUSLY 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 AS PER ASTM C309. APPLY AT A RATE SUFFICIENT TO RETAIN MOISTURE, BUT NOT LESS THAN 1 GALLON [4.55L] PER 200 SQUARE FT [18.58m²]. COVER CONCRETE WITH POLYETHYLENE PLASTIC TO MAINTAIN TEMPERATURE IF NECESSARY. LAP SEAMS IN THE PLASTIC 6" [15.24cm] AND TAPE, WEIGHT DOWN THE PLASTIC AS NEEDED.
12. WELDED WIRE MESH SHALL NOT BE USED AS A SUBSTITUTE FOR REBAR, UNLESS NOTED IN PLANS OTHERWISE.

SKATEPARK NOTES:

1. ALL SKATEPARK CONCRETE SHALL BE REINFORCED WITH #4 REINFORCING BARS @ 16" O.C. FOR SLABS (#3 @ 12" O.C. FOR ALL TRANSITIONAL AREAS USING SHOTCRETE), BOTH DIRECTIONS, SEE DETAILS FOR SLAB THICKNESS USED.
2. ALL EDGES AND CORNERS OF CONCRETE FEATURES SHALL HAVE 1/2" RADII OR 3/4" CHAMFER, AS PER OWNERS CHOICE, UNLESS NOTED OTHERWISE ON PLANS.
3. CONTRACTOR SHALL VERIFY AND COORDINATE ALL FINISH GRADES AND CURB EDGES WITH RELATED SITE IMPROVEMENTS. CONTRACTOR SHALL REPORT IMMEDIATELY TO THE OWNER'S REPRESENTATIVE ANY CONFLICTS OR DISCREPANCIES FOUND.
4. CONTRACTOR SHALL REMOVE ANY WATER, PONDING, OR DEBRIS FROM SITE, PRIOR TO AND DURING CONSTRUCTION AS REQUIRED, PRIOR TO POURING ANY CONCRETE ON SITE.
5. WRITTEN DIMENSIONS ARE TO TAKE PRECEDENCE OVER ANY SCALED DIMENSIONS, AND IN NO WAY SHALL THE CONTRACTOR SCALE ANY DIMENSIONS DIRECTLY FROM THIS SET FOR ACTUAL CONSTRUCTION USE. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO, AS PART OF LAYOUT, WITH THE UNDERSTANDING THAT SOME DIMENSIONS MAY VARY SLIGHTLY. CONTRACTOR SHALL REPORT IMMEDIATELY TO THE OWNER'S REPRESENTATIVE ANY CONFLICTS OR DISCREPANCIES FOUND ON SITE THAT MAY IMPEDE CONSTRUCTION OF PARK.
6. ALL SKATEPARK CONCRETE SHALL HAVE A SMOOTH HARD TROWEL FINISH.
7. ALL REINFORCING BARS SHALL HAVE AN ALTERNATING 24" OVERLAP; TYP. SEE SPECIFICATIONS FOR FURTHER DETAILS.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR SITE LAYOUT, NOTIFICATION OF UTILITIES, AND CONSTRUCTION STAKING.

CONSTRUCTION NOTES:

1. IN THE AREA OF THE SKATEPARK: EXISTING ORGANIC MATERIAL, UNSUITABLE SOIL, AND OTHER DELETERIOUS MATERIALS SHALL BE REMOVED. FILL MATERIAL REQUIRED SHALL BE OF A SIMILAR TYPE OF SOIL THAT IS PRESENT AT THE SITE EXHIBITING LIQUID LIMIT VALUES BELOW 45 AND PLASTIC INDEX VALUES LESS THAN 25. NO ROCK GREATER THAN 8" SHALL BE ALLOWED IN STRUCTURAL FILL MATERIAL. ALL FILL MATERIAL SHALL BE PLACED IN LOOSE LIFTS NO GREATER THAN 6" IN DEPTH AND SHALL BE COMPACTED TO A DENSITY NO LESS THAN 95% OF THE MAXIMUM STANDARD PROCTOR DRY DENSITY (ASTM D-698) AT A MOISTURE CONTENT OF 3% ABOVE OR BELOW OPTIMUM.
2. ALL SOIL BELOW SLABS AND FOOTINGS SHALL BE PROPERLY COMPACTED AND SUBGRADE BROUGHT TO A REASONABLE TRUE AND LEVEL PLANE BEFORE PLACING CONCRETE. AFTER EXCAVATION FOR FOOTINGS AND FLAT SLABS, AND PRIOR TO PLACEMENT OF STEEL REINFORCEMENT OR CONCRETE, CONTRACTOR TO NOTIFY ENGINEER FOR INSPECTION OF SOIL CONDITIONS.
3. EXCAVATION FOR FOOTINGS SHALL BE CUT TO ACCURATE SIZE AND DIMENSIONS AS SHOWN ON PLANS. IF ADEQUATE BEARING IS NOT ENCOUNTERED AT THE MINIMUM ELEVATIONS SPECIFIED, CONTACT THE ENGINEER FOR NEW BEARING ELEVATIONS.
4. ALL LOOSE SOILS OR SOILS SOFTENED DUE TO MOISTURE COLLECTION IN THE TRENCH AFTER EXCAVATION SHOULD BE REMOVED BEFORE CONCRETING.
5. LEVEL OUT BOTTOM OF EXCAVATIONS FOR STRUCTURES. DO NOT LEAVE HARD SPOTS. THE EXCAVATION FOR FOOTINGS SHALL BE CUT TO ACCURATE SIZE AND DIMENSIONS AS SHOWN ON THE PLANS.
6. OWNER, OWNER'S REPRESENTATIVE, OR ENGINEER MAY ORDER ANY PROFESSIONAL TESTS (GEOTECHNICAL REPORTS, SOIL COMPACTION, CONCRETE CYLINDERS, ETC.) AT ANY TIME DURING THE CONSTRUCTION PROCESS. IF THESE TESTS ARE ORDERED, IT WILL BE AT THE COST TO THE CONTRACTOR.

GENERAL ABBREVIATIONS:

- F.F. ----- FINISHED FLOOR
- W.P.L. ----- WORK POINT LOCATION
- ELEV. ----- ELEVATION
- T.O.P. ----- TOP OF PAVEMENT
- T.O.L. ----- TOP OF LEDGE
- T.O.S. ----- TOP OF STRUCTURE
- T.O.R. ----- TOP OF RAIL
- O.C. ----- ON CENTER
- C.C. ----- CENTER TO CENTER
- EA. WAY ----- EACH WAY
- TYP. ----- TYPICAL
- IP ----- IRON PIN
- TD ----- TOP DRAIN

ALL DIMENSIONS ON THE FOLLOWING SHEETS TAKE PRECEDENCE OVER SCALED DIMENSIONS. EACH DRAWING WITH A BAR SCALE MEANS THAT THE DRAWING/DETAIL HAS BEEN SCALED AS ACCURATELY AS POSSIBLE, AND THE BAR SCALE IS FOR GENERAL REFERENCE ONLY. IF NO BAR SCALE IS PRESENT, THEN THERE IS NO SCALE TO THAT DRAWING/DETAIL. AT NO TIME SHOULD THE DRAWINGS BE SCALED FROM.

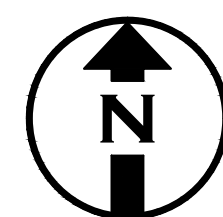
UNIFORM COLOR CODE	
WHITE	Proposed Excavation
PINK	Temporary Survey Markings
RED	Electric Power Lines, Cables, Conduit and Lighting Cables
YELLOW	Gas, Oil, Steam, Petroleum or Gaseous Materials
ORANGE	Communication, Alarm or Signal Lines, Cables or Conduit
BLUE	Potable Water
PURPLE	Reclaimed Water, Irrigation and Slurry Lines
GREEN	Sewers and Drain Lines



CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING IN ALL UTILITY LOCATES IN ACCORDANCE WITH THE LAW. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SAFETY REQUIRED WHEN DIGGING NEAR BURIED UTILITIES. IF MARKS HAVE BECOME DESTROYED OR ARE NO LONGER VISIBLE, CONTRACTOR SHALL RECALL IN ALL UTILITIES, WAIT THE APPROPRIATE ALLOTTED TIME, AND SHALL BE HELD RESPONSIBLE IF ANY HIT IS INCURRED DUE TO NEGLIGENCE ON THE CONTRACTOR'S PART.



APPROXIMATE ADDRESS OF SKATEPARK:
 963 COOL SPRINGS INDUSTRIAL RD
 O'FALLON, MISSOURI 63366
 38°48'48.30"N 90°40'59.45"W



1 PROJECT VICINITY
 Scale: NONE



REV	DESCRIPTION	DATE
1	ISSUE FOR CONSTRUCTION	02/14/12
2		
3		
4		

HARDCORE
 SITECRAFT SKATEPARKS INC.
 SKATEPARKS OPERATED SINCE 2001

SKATEPARK PROJECT NOTES
 WESTHOFF PARK SKATEPARK
 O'FALLON, MISSOURI

Drawn By: **J. HETHMON**
 Approved By: **N. BEMO**
 Scale: **AS NOTED**
 Project No: **11-115**
 Drawing No: **SP-0**