



Certificate of Appropriateness

Milwaukee Historic Preservation Commission/200 E. Wells Street/Milwaukee, WI 53202/phone 414-286-5712/fax 414-286-3004

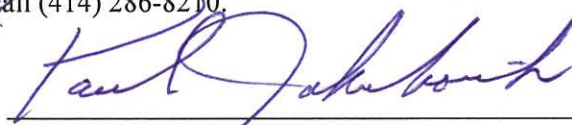
Property 701 E. GARFIELD AV. **Kilbourn/Reservoir Park Historic District**
Description of work Construct new amphitheater south of North Avenue in the Kilbour/Reservoir Park district in an area of the park presently called Kadish Park.
Date issued 7/16/2012 **PTS ID 76230 COA, amphitheater**

In accordance with the provisions of Section 320-21 (11) and (12) of the Milwaukee Code of Ordinances, the Milwaukee Historic Preservation Commission has issued a certificate of appropriateness for the work listed above. The work was found to be consistent with preservation guidelines. The following conditions apply to this certificate of appropriateness:

All work will be done according to attached drawings and specifications.

All work must be done in a craftsman-like manner, and must be completed within one year of the date this certificate was issued. Staff must approve any changes or additions to this certificate before work begins. Work that is not completed in accordance with this certificate may be subject to correction orders or citations. If you require technical assistance, please contact Paul Jakubovich of the Historic Preservation staff as follows: Phone: (414) 286-5712 Fax: (414) 286-3004 E-mail: pjakub@milwaukee.gov.

If permits are required, you are responsible for obtaining them from the Milwaukee Development Center. If you have questions about permit requirements, please consult the Development Center's web site, www.mkedcd.org/build, or call (414) 286-8210.


Paul jakubovich
City of Milwaukee Historic Preservation

Copies to: Development Center, Ald. Milele Coggs, Tom Schneider of COA, Inspector Adam Roder (286-2538), Inspector Heidi Weed



Rendering of new ampitheater in Kilbourn (Kadish) Park

EROSION CONTROL GENERAL NOTES

1. CONSTRUCTION SITE AND SEDIMENTATION CONTROL SHALL COMPLY WITH THE REQUIREMENTS OF THE CITY OF MILWAUKEE, AND WITH WISCONSIN DEPARTMENT OF NATURAL RESOURCES SITE CONSTRUCTION EROSION AND SEDIMENT CONTROL TECHNICAL STANDARDS.
2. CITY OF MILWAUKEE PERMIT CONDITIONS INCLUDE:
 - 1.) NOTIFY THE DEPARTMENT WITHIN 48 HOURS OF COMMENCING ANY LAND DISTURBING ACTIVITY.
 - 2.) NOTIFY THE DEPARTMENT OF COMPLETION OF ANY CONTROL MEASURES WITHIN 14 DAYS AFTER THEIR INSTALLATION.
 - 3.) OBTAIN PERMISSION IN WRITING FROM THE DEPARTMENT PRIOR TO MODIFYING THE CONTROL PLAN.
 - 4.) INSTALL ALL CONTROL MEASURES AS IDENTIFIED IN THE APPROVED CONTROL PLAN.
 - 5.) MAINTAIN ALL ROAD DRAINAGE SYSTEMS, STORMWATER DRAINAGE SYSTEMS, CONTROL MEASURES AND OTHER FACILITIES IDENTIFIED IN THE CONTROL PLAN.
 - 6.) REPAIR ANY SITUATION OR EROSION DAMAGE TO ADJOINING SURFACES AND DRAINAGEWAYS RESULTING FROM LAND DEVELOPING OR DISTURBING ACTIVITIES.
 - 7.) INSPECT THE EROSION CONTROL MEASURES AFTER EACH RAIN OF 0.5 INCHES OR MORE AND AT LEAST ONCE EACH WEEK AND MAKE NEEDED REPAIRS.
 - 8.) ALLOW THE DEPARTMENT TO ENTER THE SITE FOR THE PURPOSE OF INSPECTING COMPLIANCE WITH THE CONTROL PLAN STATEMENT OR FOR PERFORMING ANY WORK NECESSARY TO BRING THE SITE INTO COMPLIANCE WITH THE CONTROL PLAN STATEMENT.
 - 9.) KEEP A COPY OF THE CONTROL PLAN STATEMENT ON THE SITE.
3. ALL EROSION CONTROL MEASURES SHALL BE ADJUSTED TO MEET FIELD CONDITIONS AT THE TIME OF CONSTRUCTION AND SHALL BE INSTALLED PRIOR TO ANY GRADING OR DISTURBANCE OF EXISTING SURFACE MATERIAL ON THE SITE.
4. PERIODIC INSPECTION AND MAINTENANCE OF ALL EROSION CONTROL STRUCTURES SHALL BE PROVIDED TO INSURE INTENDED PURPOSE IS ACCOMPLISHED. CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANUP AND REMOVAL OF ALL SEDIMENT LEAVING PROPERTY. EROSION CONTROL MEASURES SHALL BE IN WORKING CONDITION AT THE END OF EACH WORK DAY.
5. FILTER FABRIC SHALL BE INSTALLED BENEATH PROPOSED INLET COVERS AFTER INSTALLATION TO TRAP SEDIMENT.
6. EROSION CONTROL MEASURES SHALL BE MAINTAINED ON A CONTINUING BASIS UNTIL SITE IS FULLY STABILIZED.

7. CONSTRUCTION SEQUENCE FOR EROSION CONTROL INCLUDES:

- 1.) INSTALL SILT FENCE.
- 2.) INSTALL STABILIZED CONSTRUCTION ENTRANCE.
- 3.) PERFORM CLEARING AND GRUBBING WORK.
- 4.) PERFORM ROUGH GRADING.
- 5.) PLACE ASPHALT PAVEMENT AND CONCRETE SEAT WALLS.
- 6.) COMPLETE FINAL GRADING AND SITE RESTORATION.
- 7.) REMOVE EROSION CONTROL MEASURES WHEN SITE IS FULLY STABILIZED.

8. PLACE SILT FENCE ON DOWNHILL SIDE OF EXCAVATED MATERIALS STOCKPILES.



EROSION CONTROL MAINTENANCE PLAN

1. WHERE CONSTRUCTION ACTIVITIES HAVE PERMANENTLY CEASED OR ARE SUSPENDED FOR MORE THAN FOURTEEN DAYS, OR WHEN FINAL GRADING IS COMPLETED FOR ANY PORTION OF THE SITE, STABILIZATION MEASURES SHALL BE IMPLEMENTED WITHIN SEVEN DAYS. WHEN STABILIZATION IS NOT POSSIBLE DUE TO SNOW COVER, STABILIZATION MEASURES SHALL BE IMPLEMENTED AS SOON AS POSSIBLE.
2. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CHECKED FOR STABILITY AND OPERATION AFTER A RAINFALL OF 0.5 INCHES OR MORE, BUT NO LESS THAN ONCE PER WEEK. ANY NEEDED REPAIRS SHALL BE MADE IMMEDIATELY. WRITTEN REPORTS SHALL BE KEPT OF ALL EROSION AND SEDIMENT CONTROL INSPECTIONS AS REQUIRED BY THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES (WDNR).
3. SEDIMENT DEPOSITS SHALL BE REMOVED FROM BEHIND SILT FENCE WHEN DEPOSITS REACH A DEPTH OF 6 INCHES. THE SILT FENCE SHALL BE REPAIRED OR REPLACED AS NECESSARY TO MAINTAIN AN EFFECTIVE BARRIER.
4. ALL SEEDED AREAS SHALL BE RESEEDING AND MULCHED AS NECESSARY TO MAINTAIN A VIGOROUS, DENSE VEGETATIVE COVER.
5. EROSION AND SEDIMENT CONTROL PRACTICES SHALL NOT BE REMOVED UNTIL THE SITE IS STABILIZED AND PERMANENT VEGETATION IS FULLY ESTABLISHED ON ALL DISTURBED AREAS.
6. SILT FENCE MUST BE MAINTAINED AND REPAIRED WITHIN 24 HOURS OF NOTIFICATION.
7. SEE SHEET C200 FOR SITE RESTORATION.

GENERAL STRUCTURA

APPLY UNLESS NOTED OTHERWISE ON STRUCTURAL DRAWINGS

DESIGN CODE

2009 INTERNATIONAL BUILDING CODE WITH WISCONSIN AMENDMENTS

DESIGN LOADS

OCCUPANCY CATEGORY

OCCUPANCY CATEGORY II

ROOF LIVE LOADS

ROOF LIVE LOAD..... 20 PSF

SNOW LOAD

GROUND SNOW LOAD, P_g 30 PSF

FLAT ROOF SNOW LOAD, P_f 26 PSF

SNOW IMPORTANCE FACTOR..... 1.0

SNOW EXPOSURE FACTOR, C_e 1.0

THERMAL FACTOR AT CANOPIES, C_t 1.2

WIND LOAD

BASIC WIND SPEED (3 SECOND GUST)..... 90 MPH

WIND IMPORTANCE FACTOR..... 1.0

WIND EXPOSURE CATEGORY..... B

MEAN ROOF HEIGHT..... 25 FT

COMPONENTS AND CLADDING WIND PRESSURES
SHALL BE DETERMINED IN ACCORDANCE WITH THE
PROVISIONS OUTLINED IN ASCE 7-05

SEISMIC DESIGN DATA

SPECTRAL RESPONSE ACCELERATION, S_s 0.106

SPECTRAL RESPONSE ACCELERATION, S_1 0.044

SITE CLASS..... C

SEISMIC IMPORTANCE FACTOR..... 1.0

SEISMIC DESIGN CATEGORY (SDC)..... A

SPECTRAL RESPONSE COEFFICIENT, S_{ds} 0.112

SPECTRAL RESPONSE COEFFICIENT, S_{d1} 0.032

SEISMIC RESPONSE COEFFICIENT, C_s 0.019

BASE SHEAR..... 0.01W KIPS

MATERIALS

CAST-IN-PLACE CONCRETE

F'_c = 4000 PSI AT 28 DAYS

STEEL REINFORCING

REINFORCING BARS..... ASTM A615 (GRADE 60)

EPOXY-COATED REINFORCING BARS..... ASTM A775 OR ASTM A934

STRUCTURAL STEEL

PLATES..... ASTM A36 ($F_y=36$ KSI)

RECTANGULAR HSS..... ASTM A500, GRADE B ($F_y=46$ KSI)

ANCHOR RODS..... ASTM F1554 ($F_y=36$ KSI)

FOUNDATIONS

FOUNDATION DESIGN PARAMETERS ARE BASED ON RECOMMENDATIONS FROM THE "GEOTECHNICAL ENGINEERING EXPLORATION AND ANALYSIS, PROPOSED KADISH PARK PAVILLION, NORTH COMMERCE STREET, MILWAUKEE, WISCONSIN" DATED OCTOBER 13, 2011, PREPARED BY GILES ENGINEERING ASSOCIATES, INC. (GILES PROJECT NO. 10-1109011)

REFER TO THE GEOTECHNICAL REPORT FOR SOIL CLASSIFICATION, SUBGRADE PREPARATION, DRAINAGE AND BACKFILL REQUIREMENTS AT NEW CONCRETE WALLS AND STAGE

CONTINUOUS WALL FOOTINGS HAVE BEEN DESIGNED FOR A MAXIMUM NET SOIL BEARING PRESSURE OF 3000 PSF.

WALLS RETAINING SOIL HAVE BEEN DESIGNED FOR AN EQUIVALENT FLUID PRESSURE OF 34 POUNDS PER CUBIC FOOT (ACTIVE).

IF THE SOIL AT THE FOUNDATION OR SLAB-ON-GRADE ELEVATIONS SHOWN IS OF QUESTIONABLE BEARING VALUE, THE ARCHITECT/ENGINEER SHALL BE NOTIFIED AT ONCE FOR RESOLUTION.

ALL FOUNDATIONS SHALL BE CENTERED ON WALLS OR PIERS UNO.

WHERE FILL MATERIAL IS PLACED ON BOTH SIDES OF WALLS, IT SHALL BE PLACED IN LAYERS ALTERNATELY ON OPPOSITE SIDES TO MAINTAIN LEVELS THAT WILL AVOID DISPLACEMENT OF, OR DAMAGE TO, THE WALLS.

CONTINUOUS FOOTINGS SHALL BE STEPPED AT A SLOPE OF ONE VERTICAL TO TWO HORIZONTAL.

PROTECT IN-PLACE FOUNDATIONS AND SLABS ON GRADE FROM FROST PENETRATION UNTIL PROJECT COMPLETION.

SLOPE BETWEEN ADJACENT FOOTINGS OR EXCAVATIONS SHALL NOT EXCEED ONE VERTICAL TO TWO HORIZONTAL. STEP FOOTINGS DOWN AS NECESSARY TO MAINTAIN THIS SLOPE.

PROTECT IN-PLACE FOUNDATIONS AND SLABS ON GRADE FROM FROST PENETRATION UNTIL PROJECT COMPLETION.

FOOTING SCHEDULE

TYPE	SIZE	DEPTH	REINFORCING
F1	3'-0" x 9'-0"	2'-0"	(10) #7 EACH WAY
F2	3'-0" x 7'-0"	2'-0"	(8) #7 LONG WAY (10) #7 SHORT WAY

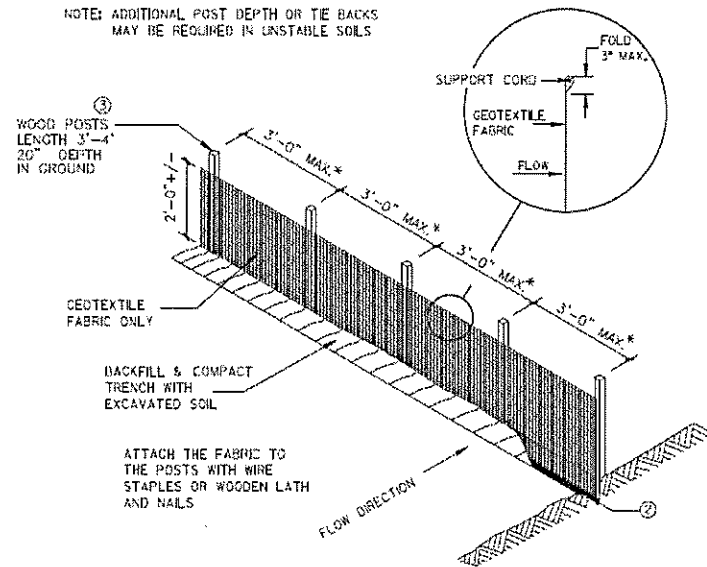
PIER SCHEDULE

TYPE	SIZE	REINFORCING
P1	SEE 4/S01	SEE 4/S201
P2	30"x26"	(9) #9 VERTS

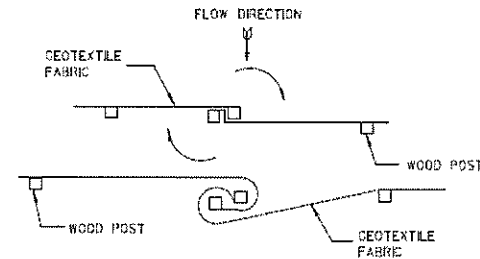
PIER NOTES

1. TYPICAL TIES IN ALL PIERS: #4 @ 12" OC.
2. ALL VERTICAL BARS SHALL BE ENCLOSED BY LATERAL TIES
3. TIES SHALL BE ARRANGED SUCH THAT EVERY VERTICAL BAR SHALL HAVE LATERAL SUPPORT PROVIDED BY THE CORNER OF A TIE WITH AN ANGLE OF NOT MORE THAN 135°
4. PLACE (4) SETS OF TIES @ 4" OC AT TOP OF PIER
5. PROVIDE DOWELS FROM PIER TO FOOTING TO LAP AND MATCH PIER VERTICAL BARS. ALL DOWELS SHALL HAVE STANDARD HOOK AT BOTTOM OF BAR.
6. AT SINGLE TIES LEGS, ALTERNATE LOCATIONS OF 135° HOOKED ENDS.

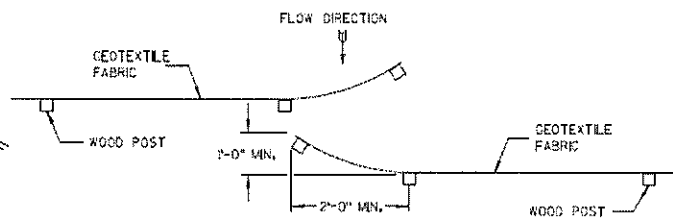
NOTE: ADDITIONAL POST DEPTH OR TIE BACKS MAY BE REQUIRED IN UNSTABLE SOILS



* NOTE: 8'-0" POST SPACING ALLOWED IF A WOVEN GEOTEXTILE FABRIC IS USED.



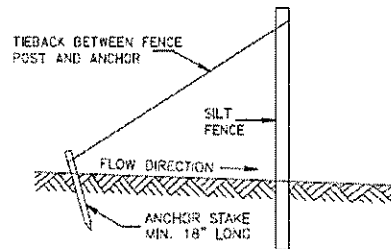
TWIST METHOD



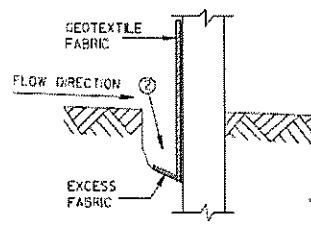
HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE ③

2 CRU!



SILT FENCE TIE BACK
(WHEN ADDITIONAL SUPPORT REQUIRED)



TRENCH DETAIL

1 **SILT FENCE DETAIL** (REQUIRED AROUND STOCKPILES) N.T.S.

GENERAL NOTES:

- ① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
- ② TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
- ③ WOOD POSTS SHALL BE A MINIMUM SIZE OF 1 1/2" X 1 1/8" OF OAK OR HICKORY.
- ④ SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
- ⑤ CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS: A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.

This drawing based on Wisconsin Department of Transportation Standard Detail Drawing 8 E 9-6.



