Madison Landmarks Commission

APPLICATION

32606

City of Madison Planning Division
215 Martin Luther King Jr. Blvd. I Room LL.100 I P.O. Box 2985 I Madison, WI 53701-2985

1. LOCATION

Project Address: Tenney Park, City of Madison **Aldermanic District:** 2

2. PROJECT

Date Submitted: 12/2/2013

Project Title / Description: Marston Avenue and Sherman Avenue Pedestrian Bridge Restoration at Tenney Park

This is an application for: *(check all that apply)*

☐ **Alteration / Addition to a Designated Madison Landmark**

☐ **Alteration / Addition to a building adjacent to a Designated Madison Landmark**

☐ **Alteration / Addition to a building in a Local Historic District** *(specify)*:

☐ Mansion Hill ☐ Third Lake Ridge ☐ First Settlement
☐ University Heights ☐ Marquette Bungalows

☐ **New Construction in a Local Historic District** *(specify)*:

☐ Mansion Hill ☐ Third Lake Ridge ☐ First Settlement
☐ University Heights ☐ Marquette Bungalows

☐ **Demolition**

☐ **Variance from the Landmarks Ordinance**

☐ **Referral from Common Council, Plan Commission, or other referral**

☒ **Other** *(specify)*: Restoration of a Designated Madison Landmark

3. APPLICANT

Applicant's Name: Keith Behrend, P.E. **Company:** Strand Associates, Inc.
Address: 910 West Wingra Dr. **City/State:** Madison, WI **Zip:** 53715
Telephone: 608-251-4843 **E-mail:** keith.behrend@strand.com
Property Owner *(if not applicant)*: City of Madison Parks Division
Address: 210 Martin Luther King Jr. Blvd, Rm 104 **City/State:** Madison, WI **Zip:** 53701-2987
P.O. Box 2987
Property Owner's Signature: Thomas J. Maglio Date: 12/9/13

GENERAL SUBMITTAL REQUIREMENTS

Twelve (12) collated paper copies and electronic (.pdf) files of the following: *(Note the filing deadline is 4:30 PM on the filing day)*

- Application
- Brief narrative description of the project
- Scaled plan set reduced to 11" x 17" or smaller pages. Please include:
  - Site plan showing all property lines and structures
  - Building elevations, plans and other drawings as needed to illustrate the project
  - Photos of existing house/building
  - Contextual information (such as photos) of surrounding properties
- Any other information that may be helpful in communicating the details of the project and how it complies with the Landmarks Ordinance, including the impacts on existing structures on the site or on nearby properties.

Questions? Please contact the Historic Preservation Planner:
Amy Scanlon
Phone: 608.266.6552
Email: ascanlon@cityofmadison.com

NOTICE REGARDING LOBBYING ORDINANCE: If you are seeking approval of a development that has over 40,000 square feet of non-residential space, or a residential development of over 10 dwelling units, or if you are seeking assistance from the City with a value of $10,000 (including grants, loans, TIF or similar assistance), then you likely are subject to Madison's lobbying ordinance (Sec. 2.40, MGO). You are required to register and report your lobbying. Please consult the City Clerk's Office for more information. Failure to comply with the lobbying ordinance may result in fines.

STRAND ASSOCIATES®

Strand Associates, Inc.®
910 West Wingra Drive
Madison, WI 53715
(P) 608-251-4843
(F) 608-251-8655

November 29, 2013

Madison Landmarks Commission
Department of Planning and Development
215 Martin Luther King Jr. Blvd.
PO Box 2985
Madison, WI 53701-2985

Re: Madison Landmarks Commission Application for Pedestrian Bridge Restoration at Tenney Park, City of Madison

Dear Sir or Madam:

Enclosed is the Madison Landmarks Commission Application form including supporting information for the Marston Avenue and Sherman Avenue Pedestrian Bridge Restoration Work at Tenney Park in the City of Madison, Wisconsin.

Project Description

Tenney Park is a 37-acre park located in Madison adjacent to the Yahara River. Most of the park is located between Sherman Avenue and East Johnson Street, west of the Yahara River. Within the park, there is a serpentine lagoon with a central 10-acre island that is accessed via multiple bridges. Two of the bridges that access the island are the Marston Avenue pedestrian bridge and the Sherman Avenue pedestrian bridge. Both bridges are listed on the Wisconsin State Register of Historic Places.

The Marston Avenue pedestrian bridge, constructed in 1912, is a reinforced concrete arch bridge. The bridge spans approximately 50 feet over the lagoon and is approximately 80 feet long and 16 feet wide. The bridge includes integral concrete parapets. The bridge deck cross section is asphalt pavement and earth fill over a concrete arch. The bridge is used for pedestrian traffic only. Except at the underside of the arch, the surface texture of the existing exposed-to-view concrete has a "weathered" look, with the course aggregate exposed. There are numerous locations on the bridge where the existing concrete shows signs of significant deterioration. All new repair concrete placed will be finished to closely match the appearance of the existing weathered concrete. A petrographic examination of the existing concrete is being performed to aid the restoration contractor in designing a concrete mix that will match the mechanical and aesthetic properties of the original concrete. The following proposed restoration work is being planned for the existing Marston Avenue pedestrian bridge.

Proposed Marston Avenue Pedestrian Bridge Restoration Work

1. Clean all above-grade concrete surfaces of the bridge before any new restoration work is completed. There are varying amounts of organic material, such as moss and lichens, on the surfaces of the bridge that cause the existing concrete to appear darker than it actually is. This organic material will be cleaned off so that the cleaned appearance of the bridge can be used as a baseline reference to match the aesthetics of the new work.

2. Repair all spalled and unsound concrete on the underside of the arch. Since the exposed concrete on the underside of the arch does not have a "weathered" look, a commercially available concrete surface repair mortar will be used to repair spalled concrete and finished to match the existing concrete surface finish. Where existing reinforcing steel is incorporated into new repair work, it will be coated with a rust-inhibitive primer prior to the installation of the surface repair mortar to prevent future spalling. It is estimated that concrete surface repairs will be required on about 50 percent of the underside of the existing arch. Upon completion of concrete surface repair work, a breathable waterproof cement-based coating will be applied to the underside of the arch to provide a uniform appearance and to seal and waterproof the concrete surface. The color of the coating will be the manufacturer's standard gray finish to match the existing concrete.

3. Replace the outer portions of the concrete arch with new reinforced concrete finished to match the "weathered" look of the existing concrete. Almost all the outer portions of the concrete arches on both sides of the bridge show signs of significant spalled and unsound concrete with many locations where the concrete has already "fallen" off. The deteriorated concrete on the outer portions of the arch will be removed to sound concrete and then reformed to match the geometry of the existing arches.

4. Remove the upper portion of the concrete parapets (copings) on both sides of the bridge. The coping on the south side of the bridge is in significantly worse shape than the coping on the north side, but both copings will be replaced so that the aesthetics of the copings match. Both copings will be removed and reformed to match the geometry of the existing copings. The new concrete will be finished to match the "weathered" look of the existing concrete.

5. Perform concrete surface repairs to all above-grade surfaces exposed to view. Concrete repairs will be finished to match the "weathered" look of the existing concrete.

6. Install a waterproofing membrane on the entire upper surface of the concrete arch to prevent future water damage from occurring to the existing concrete arch.

7. Apply a migrating corrosion inhibitor to both the existing and new concrete surfaces of the bridge to protect the reinforcing steel in the concrete from future corrosion. The migrating corrosion inhibitor will not affect the appearance of the concrete.

8. Apply a concrete sealer to the existing and new concrete exposed to view to protect new and existing concrete from the damaging effects of water intrusion. The concrete sealer will not affect the appearance of the concrete.

9. Install new asphalt pavement on the bridge and 10 feet beyond the ends of the bridge. The profile of the new asphalt path will match the existing profile.

The Sherman Avenue pedestrian bridge, constructed in 1929, is a reinforced concrete arch bridge with a rock-faced random limestone ashlar veneer. The bridge spans approximately 50 feet over the lagoon and is approximately 70 feet long and 12.5 feet wide. The bridge includes integral concrete parapets that are clad with limestone veneer. The bridge deck cross section is asphalt pavement and earth fill over a concrete arch. The bridge is used for pedestrian traffic only. Masonry restoration including repointing is being proposed along with some concrete repair work on the underside of the arch. A petrographic analysis is being performed on the original mortar that was used so that it can be matched for repointing work. The following proposed restoration work is being planned for the existing Sherman Avenue pedestrian bridge.

Proposed Sherman Avenue Pedestrian Bridge Restoration Work

1. Clean all above-grade masonry surfaces of the bridge before any new restoration work is completed. There are varying amounts of organic material, such as moss and lichens, on the surfaces of the bridge that cause the existing masonry to appear darker than it actually is. This organic material will be cleaned off so that the cleaned appearance of the bridge can be used as a baseline reference to match the aesthetics of the new work to.

2. Repair all spalled and unsound concrete on the underside of the arch. A commercially available concrete surface repair mortar will be used to repair spalled concrete and finished to match the existing concrete surface finish. Where existing reinforcing steel is incorporated into new repair work, it will be coated with a rust-inhibitive primer prior to the installation of the surface repair mortar to prevent future spalling. It is estimated that concrete surface repairs will be required on about 20 percent of the underside of the existing arch. Upon completion of concrete surface repair work, a breathable waterproof cement-based coating will be applied to the underside of the arch to provide a uniform appearance and to seal and waterproof the concrete surface. The color of the coating will be the manufacturer's standard gray finish to match the existing concrete.

3. Repair existing above-grade stones that are cracked using epoxy-crack injection.

4. Repoint existing deteriorated above-grade mortar joints.

5. Spray apply migrating corrosion inhibitor to the underside of the concrete arch to protect the reinforcing steel in the concrete from future corrosion. The migrating corrosion inhibitor will not affect the appearance of the concrete.

6. Apply a sealer to all surfaces of masonry exposed to view to protect the masonry from the damaging effects of water intrusion. The sealer will not affect the appearance of the masonry.

7. Install new asphalt pavement on the bridge and 10 feet beyond the ends of the bridge. The profile of the new asphalt path will match the existing profile.

All proposed restoration work for the two bridges is being planned so that the original aesthetics of the bridges will be maintained. The proposed work is being designed to repair deficiencies in the existing bridges as well as prolong the useable life of each bridge.

In support of the Madison Landmarks Commission Application, we have included the following documents:

1. Completed Madison Landmarks Commission application form.
2. Project location maps.
3. Proposed project construction drawings.
4. Proposed project technical specifications.
5. Photos of the existing bridges.
6. State historic property register listing information.

Please call me if you have any questions or require additional information.

Sincerely,

STRAND ASSOCIATES, INC.®

Keith R Behrend

Keith R. Behrend, P.E.

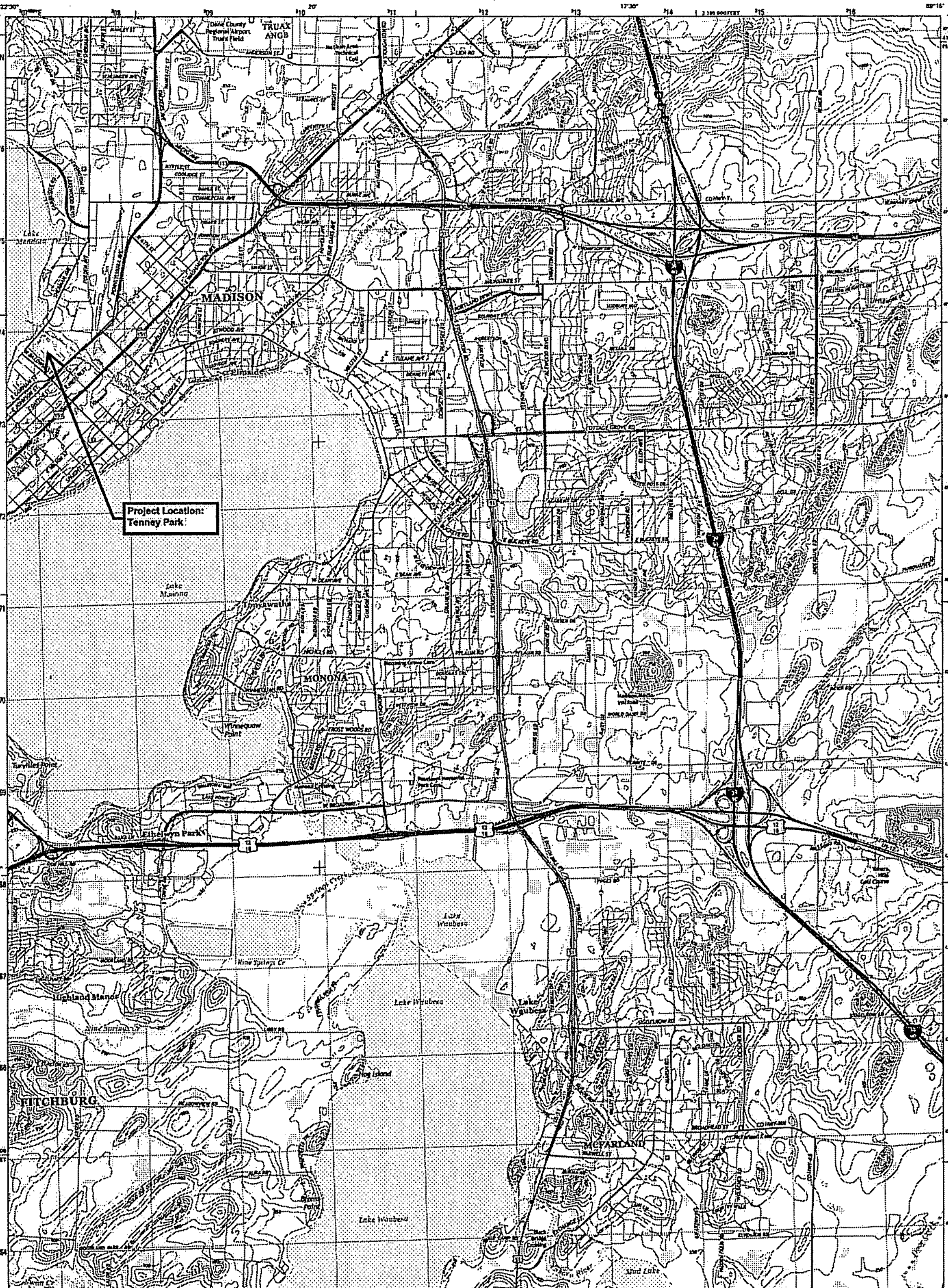
c/enc.: Thomas J. Maglio, City of Madison

KRB:plh:sme\S:\MAD\1000--1099\1020\078\Wrd\SHPO Submittal\MLC cover letter.docx

U.S. DEPARTMENT OF THE INTERIOR
U. S. GEOLOGICAL SURVEY

The National Map
US Topo

MADISON EAST QUADRANGLE
WISCONSIN-DANE CO.
7.5-MINUTE SERIES



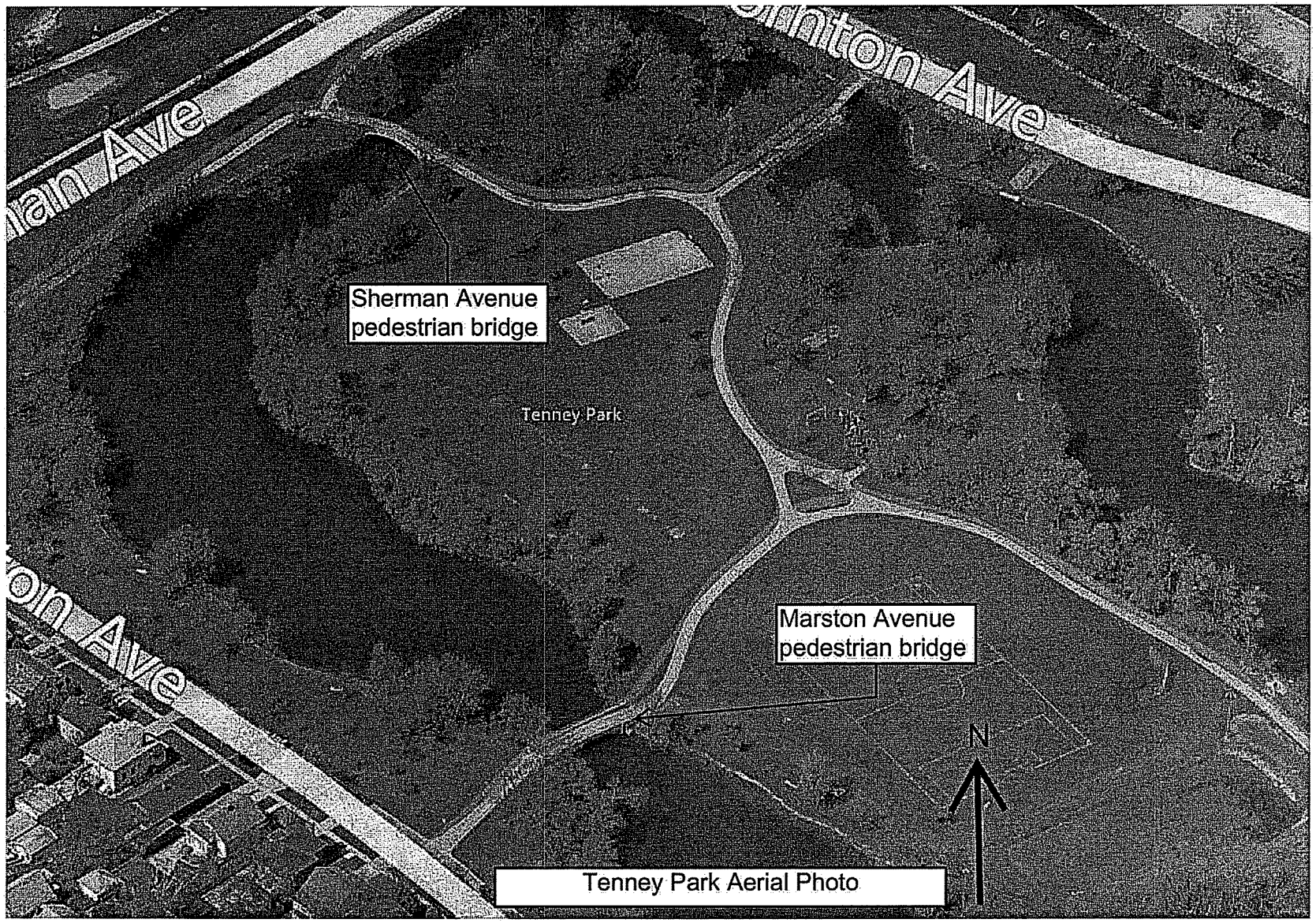
Produced by the United States Geological Survey

SCALE 1:24 000

CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

ROAD CLASSIFICATION

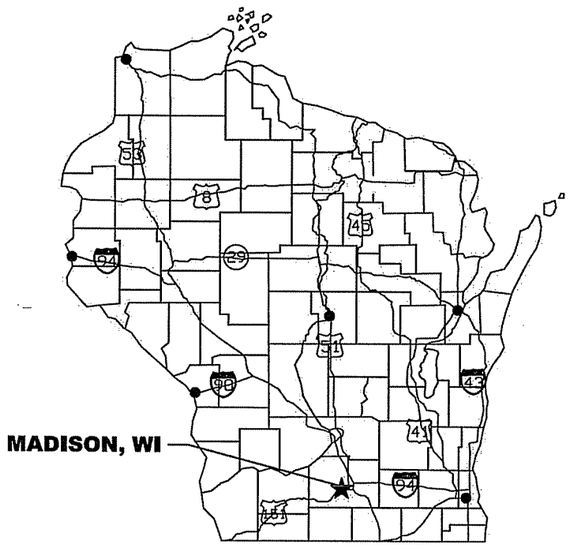
MADISON EAST, WI
2013


Sherman Avenue
pedestrian bridge
Tenney Park
Marston Avenue
pedestrian bridge
N
Tenney Park Aerial Photo

MARSTON AVENUE AND SHERMAN AVENUE PEDESTRIAN BRIDGE RESTORATION WORK AT TENNEY PARK

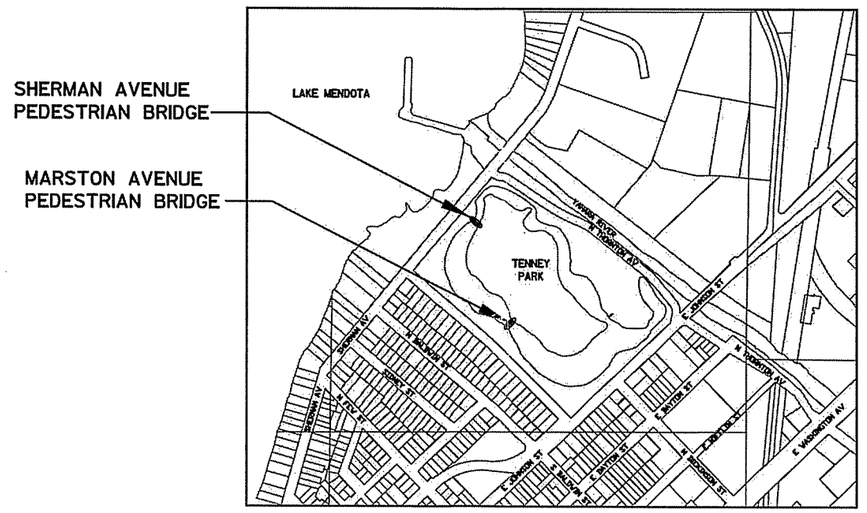
FOR THE

CITY OF MADISON PARKS DIVISION
MADISON, WISCONSIN
FEBRUARY, 2014



PROJECT LOCATION

NO SCALE



DRAFTING SYMBOLS

DETAIL NOTATION
A / S1 — DETAIL LETTER; SHEET WHERE SHOWN

SECTION NOTATION
1 / S1 — SECTION NUMBER; SHEET WHERE SECTION IS SHOWN

SECTION 1 / A1.1 SCALE — SECTION NUMBER; DRAWING THAT SECTION IS SHOWN ON

① KEY/SPECIFIC NOTE CALL-OUT
3 REVISION
+EL 1000.00 FINISH ELEVATION
EL 1000.00 SPOT ELEVATION
EXISTING OBJECTS ARE SCREENED
EXISTING OBJECTS TO BE DEMOLISHED
HIDDEN OBJECT

ARCHITECTURAL SYMBOLS

EARTH

TOPOGRAPHICAL SYMBOLS

4 BENCH MARK
2 CONCRETE CORE DRILLED FOR PETROGRAPHY TESTING
EXISTING DECIDUOUS TREE
SILT FENCE
960 CONTOUR LINES

910 West Wingra Drive
Madison, WI 53715
608-251-4843
608-251-8655 fax
www.strand.com

CONTRACT NO. 7129

LIST OF DRAWINGS

SHEET NO.	DRAWING NO.	DRAWING TITLE
	GENERAL	
1	G1	TITLE SHEET.
	CIVIL	
2	C1	SITE PLAN.
	STRUCTURAL	
3	S1	MARSTON AVENUE PEDESTRIAN BRIDGE DEMOLITION WORK.
4	S2	MARSTON AVENUE PEDESTRIAN BRIDGE RESTORATION WORK.
5	S3	MARSTON AVENUE PEDESTRIAN BRIDGE RESTORATION WORK DETAILS.
6	S4	SHERMAN AVENUE PEDESTRIAN BRIDGE DEMOLITON AND RESTORATION WORK.

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GENERAL NOTES

SEE GENERAL NOTES ON SHEET S2.

KEY NOTES

1. CONSTRUCTION ENTRANCE.
2. CONSTRUCTION STAGING AND EQUIPMENT STORAGE AREA.
3. APPROXIMATE CONSTRUCTION LIMITS.

N

Lake Mendota

Lock & Dam (Dane County)

Beach

Volleyball

Shelter

Playground

SHERMAN AVE.

SHERMAN AVE. PED. BRIDGE

Lagoon

Yahara River

Boat Storage

N. THORTON AVE.

Basketball

Soccer

Playground

Tennis

Lagoon Skating

Lagoon

Shelter

MARSTON AVE. PED BRIDGE

MARSTON AVE.

Softball/Soccer

Hockey

Lagoon Skating

E. JOHNSON ST.

NO.	REVISIONS	DATE:
1	DNR CHAPTER 30 APPLICATION	10/30/13
2	SHPO REVIEW	11/25/13

SITE PLAN

MARSTON AVE. & SHERMAN AVE. PEDESTRIAN BRIDGE
RESTORATION WORK AT TENNEY PARK
CITY OF MADISON PARKS DIVISION
MADISON, WISCONSIN

JOB NO.
1020.078

PROJECT MGR.
KRB

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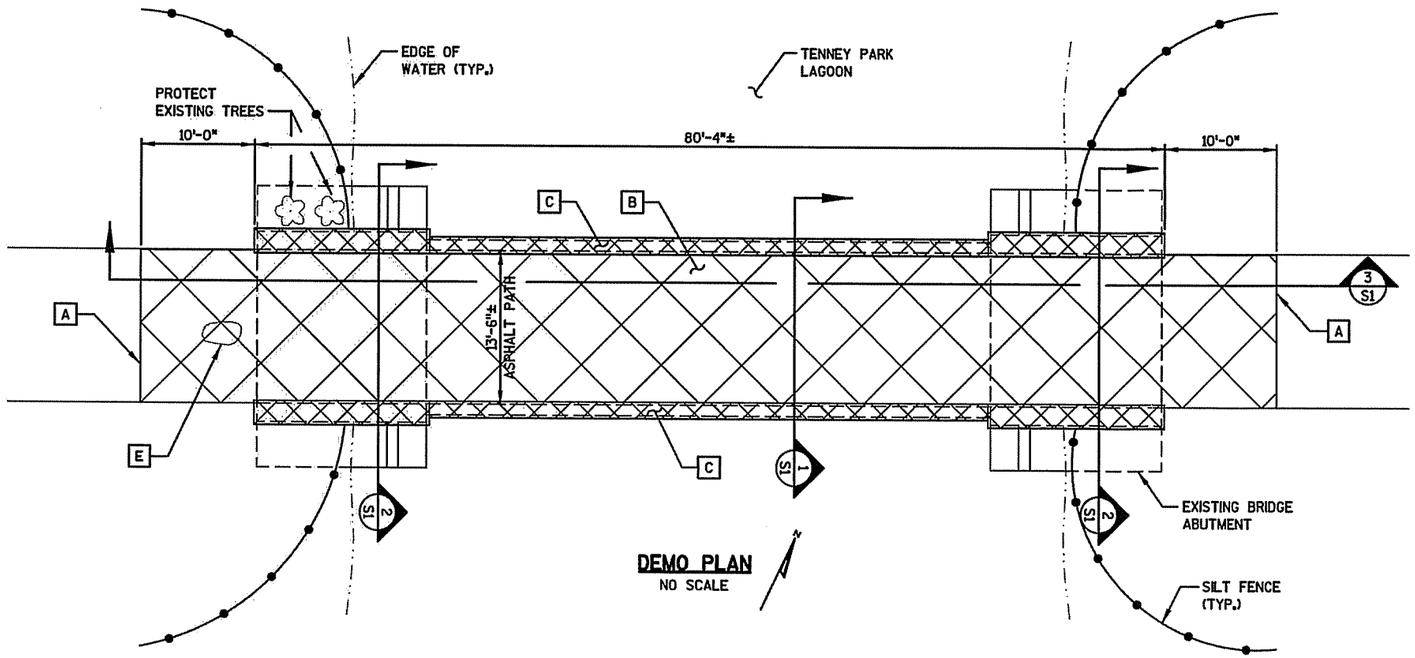
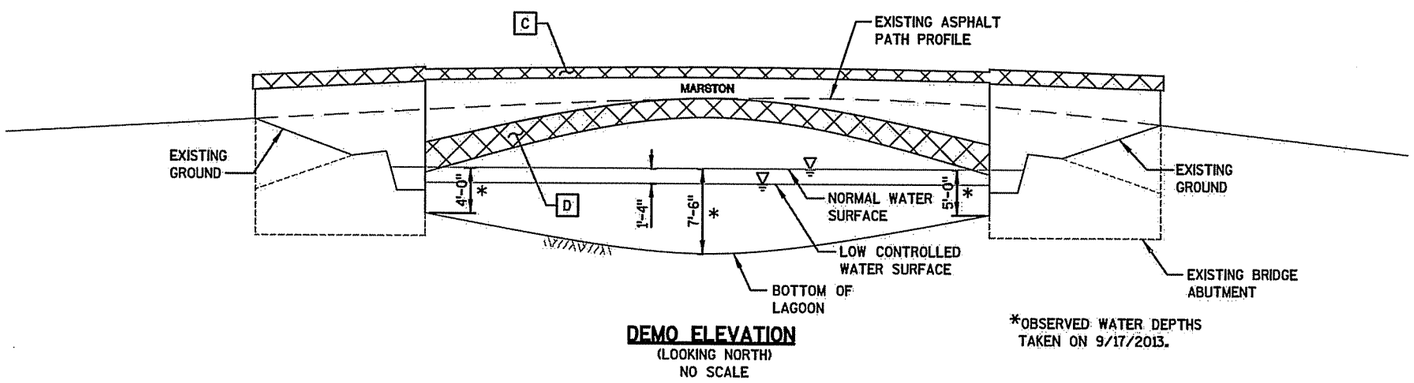
SHEET
2
C1

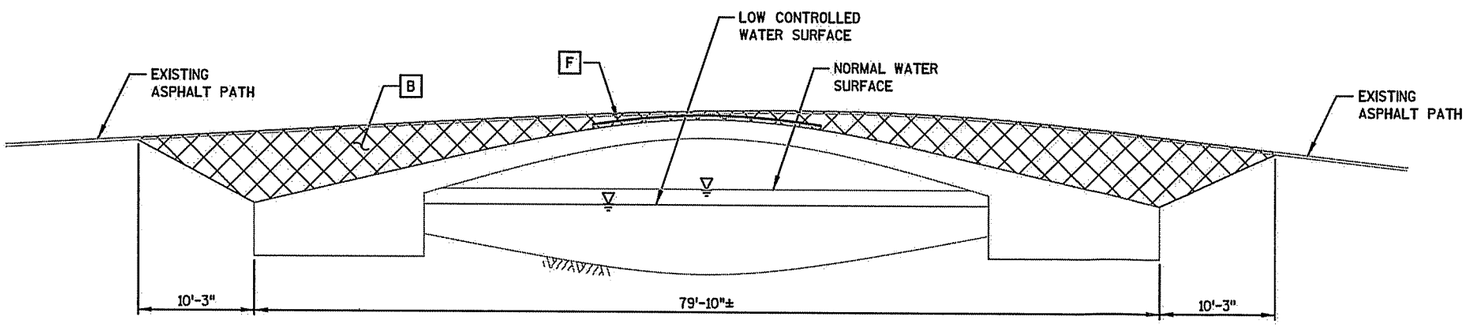


DEMO PLAN
NO SCALE



DEMO ELEVATION
(LOOKING NORTH)
NO SCALE

*OBSERVED WATER DEPTHS TAKEN ON 9/17/2013.



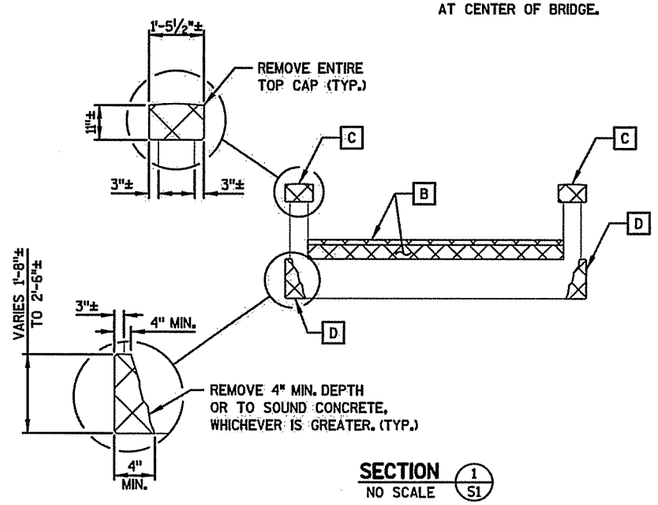
SECTION 3/S1
NO SCALE

GENERAL NOTES

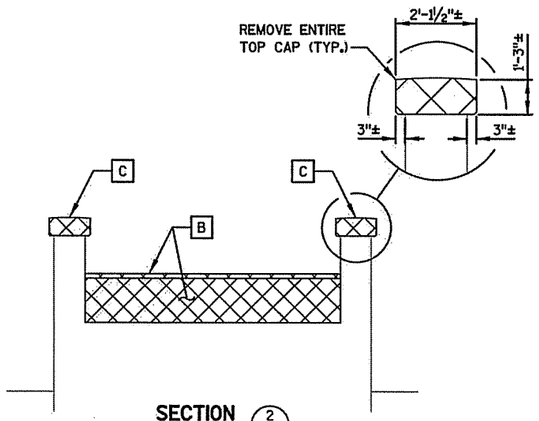
SEE GENERAL NOTES ON SHEET S2.

DEMOLITION NOTES

- A SAWCUT EXISTING ASPHALT PAVEMENT.
- B REMOVE EXISTING ASPHALT PAVEMENT AND FILL DOWN TO TOP SURFACE OF CONCRETE ARCH.
- C REMOVE UPPER PORTION OF EXISTING CONCRETE PARAPET. SEE SECTIONS FOR EXTENTS.
- D REMOVE OUTER PORTION OF EXISTING CONCRETE ARCH. SEE SECTIONS FOR EXTENTS. TYPICAL BOTH SIDES OF BRIDGE.
- E REMOVE EXISTING ROCK. SALVAGE FOR REUSE AT SAME LOCATION.
- F REMOVE EXISTING CONCRETE OVERLAY AND EMBEDDED ANGLES DOWN TO CONCRETE ARCH. CONCRETE OVERLAY IS APPROXIMATELY 20'-0" LONG AT CENTER OF BRIDGE.



SECTION 1/S1
NO SCALE



SECTION 2/S1
NO SCALE

NO.	REVISIONS	DATE:
1	DNR CHAPTER 30 APPLICATION	10/30/13
2	SHPO REVIEW	11/25/13

MARSTON AVENUE
PEDESTRIAN BRIDGE DEMOLITION WORK
MARSTON AVE. & SHERMAN AVE. PEDESTRIAN BRIDGE
RESTORATION WORK AT TENNEY PARK
CITY OF MADISON PARKS DIVISION
MADISON, WISCONSIN

JOB NO. 1020.078
PROJECT MGR. KRB

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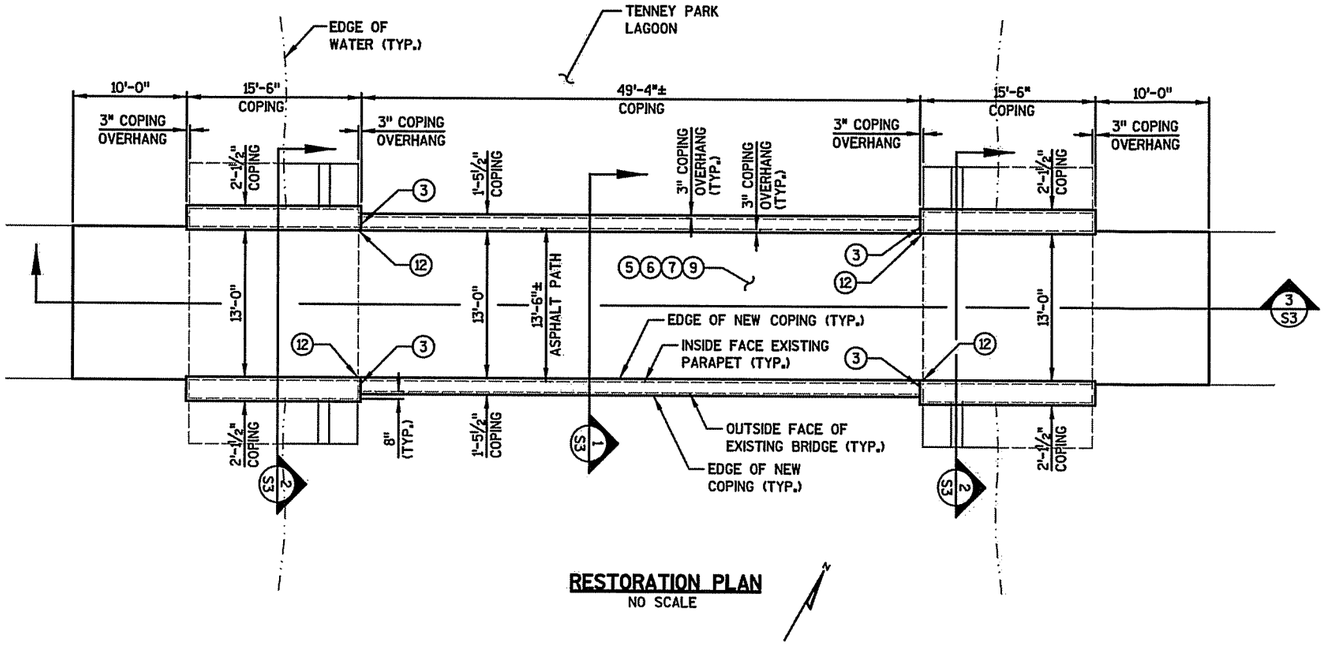
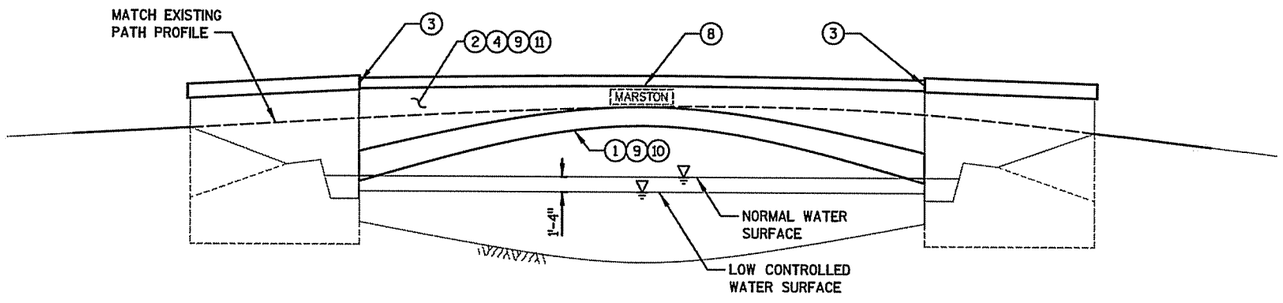
SHEET 3 S1

ABOVE-GRADE CONCRETE IS THAT CONCRETE WHICH IS ABOVE EITHER THE NORMAL WATER SURFACE OR THE EXISTING GROUND.



RESTORATION PLAN
NO SCALE



RESTORATION ELEVATION
(LOOKING NORTH)
NO SCALE

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

EXISTING INFORMATION SHOWN ON DRAWINGS WAS OBTAINED FROM FIELD MEASUREMENTS COMPLETED ON 9/17/2013. CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE ACCURACY OF EXISTING INFORMATION AS REQUIRED TO ACCOMMODATE RESTORATION WORK.

WHERE PORTIONS OF THE EXISTING STRUCTURE ARE TO BE LEFT IN PLACE, CONTRACTOR SHALL DEFINE THE LIMITS OF REMOVAL WITH A ½" MIN. DEEP SAWCUT. THE PORTION OF THE EXISTING STRUCTURE THAT IS TO BE REMOVED SHALL BE SAWN OR CHIPPED TO A TRUE LINE.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

BEVEL EXPOSED EDGES OF NEW CONCRETE ¾" UNLESS SHOWN OR NOTED OTHERWISE.

NORMAL WATER LEVEL FOR THE LAGOON IS AS SHOWN. THE CITY CAN LOWER THE NORMAL WATER LEVEL BY APPROXIMATELY 1'-4" AS NEEDED FOR UP TO THREE WEEKS DURING CONSTRUCTION TO FACILITATE ACCESS TO WORK NEAR THE NORMAL HIGH WATER MARK.

THE MAX. OPERATING WEIGHT OF VEHICLE OR CONSTRUCTION EQUIPMENT ALLOWED ON THE BRIDGE IS 6,000 LBS.

WHEN COMPACTING FILL ON THE BRIDGE, A WALK-BEHIND PLATE COMPACTOR SHALL BE USED IN ORDER TO LIMIT CONSTRUCTION EQUIPMENT LOADING.

SEE SITE PLAN FOR EROSION CONTROL REQUIREMENTS.

SEE SITE PLAN FOR PERMISSIBLE LOCATIONS FOR STAGING MATERIALS AND LOCATING FIELD MOCK-UPS.

PROVIDE SIGNING, BARRICADES, ETC. AT ENDS OF BRIDGES OUTSIDE OF THE CONSTRUCTION LIMITS INDICATING THAT BRIDGES ARE CLOSED DURING CONSTRUCTION. SIGNAGE AND BARRICADES TO BE APPROVED BY CITY PRIOR TO PLACING.

KEY NOTES

(1) SOUND ENTIRE UNDERSIDE OF CONCRETE ARCH IN PRESENCE OF ENGINEER AND PERFORM CONCRETE SURFACE REPAIRS WHERE REQUIRED AS DETERMINED BY ENGINEER. AT MIDSPAN BUILD UP THE NEW REPAIR MATERIAL ACROSS THE FULL WIDTH OF THE DECK TO PROVIDE AT LEAST 1" OF COVER OVER EXISTING REINFORCING STEEL AND FINISH TO PROVIDE A SMOOTH TRANSITION FROM EXISTING CONCRETE TO REPAIR AREAS.

(2) CLEAN ALL ABOVE-GRADE VERTICAL SURFACES OF CONCRETE PRIOR TO ANY CONCRETE SURFACE REPAIR WORK.

(3) PROVIDE CONCRETE CONTROL JOINT IN NEW COPING PER (A / S3)

(4) SOUND ALL EXISTING ABOVE-GRADE VERTICAL CONCRETE SURFACES EXPOSED TO VIEW AND PERFORM CONCRETE SURFACE REPAIRS WHERE REQUIRED.

(5) WATERPROOFING MEMBRANE. APPLY TO ENTIRE TOP SURFACE OF CONCRETE TOPPING OVER CONCRETE ARCH AND WRAP UP INSIDE FACES OF CONCRETE PARAPETS TO UNDERSIDE OF NEW ASPHALT PAVING. INSTALL PREFABRICATED DRAINAGE COMPOSITE OVER ALL MEMBRANE SURFACES.

(6) 3" ASPHALT OVER 8" CRUSHED AGGREGATE BASE COURSE OVER SELECT FILL.

(7) INSTALL ½" CONCRETE TOPPING OVER ENTIRE TOP SURFACE OF CONCRETE ARCH.

(8) CONCRETE LETTERING AND CONCRETE WITHIN 6" OF EDGES OF RECESSED LETTERING SHALL NOT BE SOUNDED AND SHALL REMAIN AS IS. (TYPICAL BOTH SIDES OF BRIDGE).

(9) ALL EXPOSED ABOVE-GRADE CONCRETE SURFACES TO RECEIVE PENETRATING CORROSION INHIBITOR IN ACCORDANCE WITH THE SPECIAL PROVISIONS.

(10) APPLY CEMENT-BASED WATERPROOFING COATING TO ENTIRE UNDERSIDE OF CONCRETE ARCH ABOVE THE NORMAL HIGH WATER MARK.

(11) APPLY CONCRETE SEALER TO ALL EXPOSED ABOVE-GRADE SURFACES OF CONCRETE (EXCEPT UNDERSIDE OF ARCH) IN ACCORDANCE WITH THE SPECIAL PROVISIONS.

(12) ROUTE OUT EXISTING CRACK ON INSIDE FACE OF PARAPET 1¼" DEEP BY ½" WIDE DOWN TO TOP OF EXISTING CONCRETE ARCH AND FILL WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER 1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE. JOINT SEALER TO BE NP1 BY BASF, OR EQUAL. REPAIR ADJACENT SPALLING CONCRETE IF NECESSARY. WORK IS INCIDENTAL TO CONCRETE SURFACE REPAIR VERTICAL SURFACE BID ITEM.

NO.	REVISIONS	DATE:
1	DNR CHAPTER 30 APPLICATION	10/30/13
2	SHPO REVIEW	11/25/13

MARSTON AVENUE
PEDESTRIAN BRIDGE RESTORATION WORK
MARSTON AVE. & SHERMAN AVE. PEDESTRIAN BRIDGE
RESTORATION WORK AT TENNEY PARK
CITY OF MADISON PARKS DIVISION
MADISON, WISCONSIN

JOB NO.
1020.078

PROJECT MGR.
KRB

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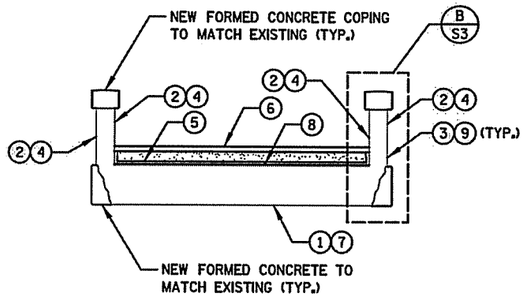
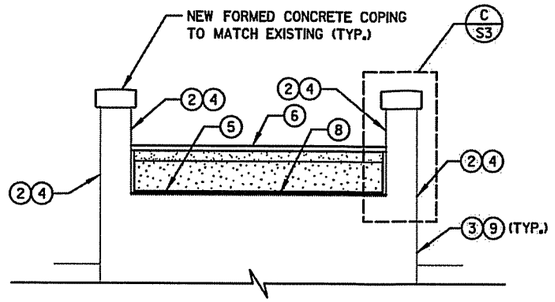
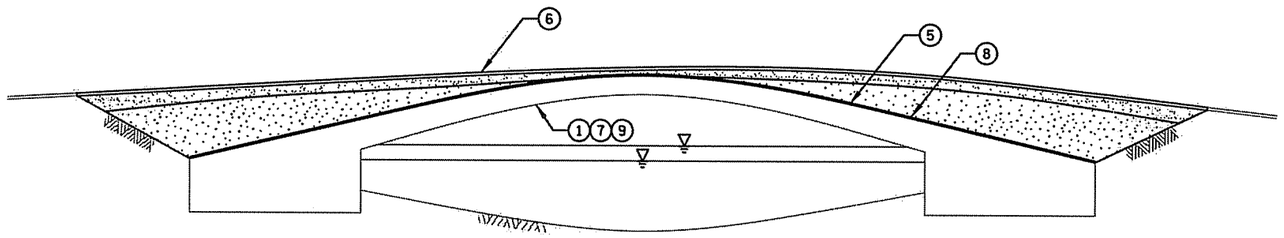
SHEET
4
S2



SECTION 1 S3
NO SCALE



SECTION 2 S3
NO SCALE



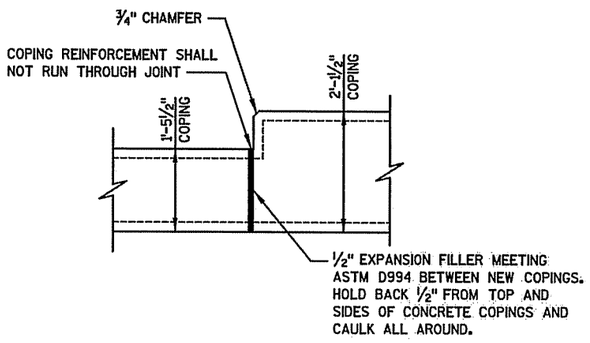
SECTION 3 S3

GENERAL NOTES

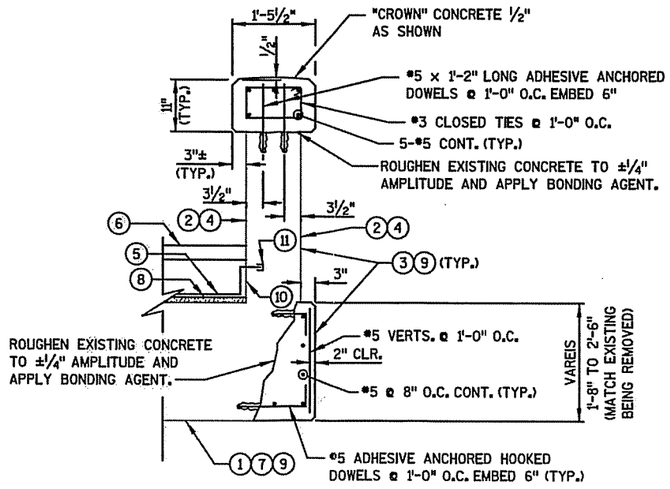
SEE GENERAL NOTES ON SHEET S2.

KEY NOTES

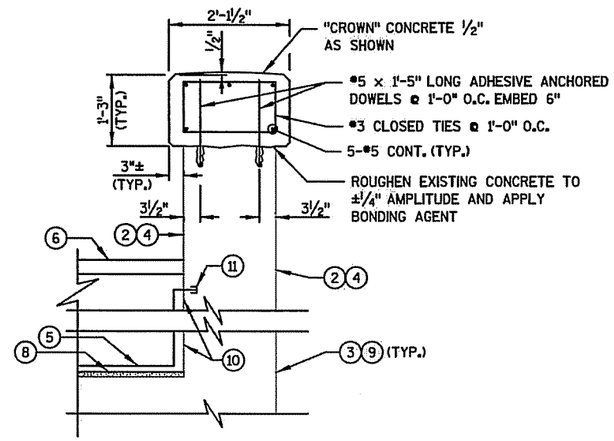
1. SOUND ENTIRE UNDERSIDE OF CONCRETE ARCH ABOVE THE NORMAL HIGH WATER ELEVATION IN PRESENCE OF ENGINEER AND PERFORM CONCRETE SURFACE REPAIRS WHERE REQUIRED.
2. CLEAN ALL ABOVE-GRADE VERTICAL SURFACES OF CONCRETE PRIOR TO ANY CONCRETE SURFACE REPAIR WORK.
3. APPLY CONCRETE SEALER TO ALL EXPOSED ABOVE-GRADE SURFACES OF CONCRETE (EXCEPT UNDERSIDE OF ARCH) IN ACCORDANCE WITH THE SPECIAL PROVISIONS.
4. SOUND ALL EXISTING ABOVE-GRADE CONCRETE SURFACES EXPOSED TO VIEW AND PERFORM CONCRETE SURFACE REPAIRS WHERE REQUIRED.
5. WATERPROOFING MEMBRANE. APPLY TO ENTIRE TOP SURFACE OF EXISTING CONCRETE ARCH AND WRAP UP INSIDE FACES OF CONCRETE PARAPETS TO UNDERSIDE OF NEW ASPHALT PAVING. INSTALL PREFABRICATED DRAINAGE COMPOSITE OVER ALL MEMBRANE SURFACE.
6. 3" ASPHALT OVER 8" CRUSHED AGGREGATE BASE COURSE OVER SELECT FILL.
7. APPLY CEMENT-BASED WATERPROOFING COATING TO ENTIRE UNDERSIDE OF CONCRETE ARCH ABOVE THE NORMAL HIGH WATER ELEVATION.
8. INSTALL 1½" CONCRETE TOPPING OVER ENTIRE TOP SURFACE OF CONCRETE ARCH.
9. ALL EXPOSED ABOVE-GRADE CONCRETE SURFACES TO RECEIVE PENETRATING CORROSION INHIBITOR IN ACCORDANCE WITH THE SPECIAL PROVISIONS.
10. GRIND EXISTING INSIDE FACE OF CONCRETE PARAPETS BELOW THE ASPHALT PATH TO PROVIDE A SUITABLE SUBSTRATE TO ADHERE WATERPROOFING MEMBRANE TO. WORK IS INCIDENTAL TO CONCRETE TOPPING BID ITEM.
11. SAWCUT ½" x ½" REGLET FOR TERMINATION OF WATERPROOFING MEMBRANE. TURN MEMBRANE INTO REGLET AND SEAL WITH MASTIC AS RECCOMMENDED BY THE MEMBRANE MANUFACTURER. WORK IS INCIDENTAL TO WATERPROOFING MEMBRANE SYSTEM BID ITEM.



COPING CONTROL JOINT A S3



COPING DETAIL B S3



COPING DETAIL C S3

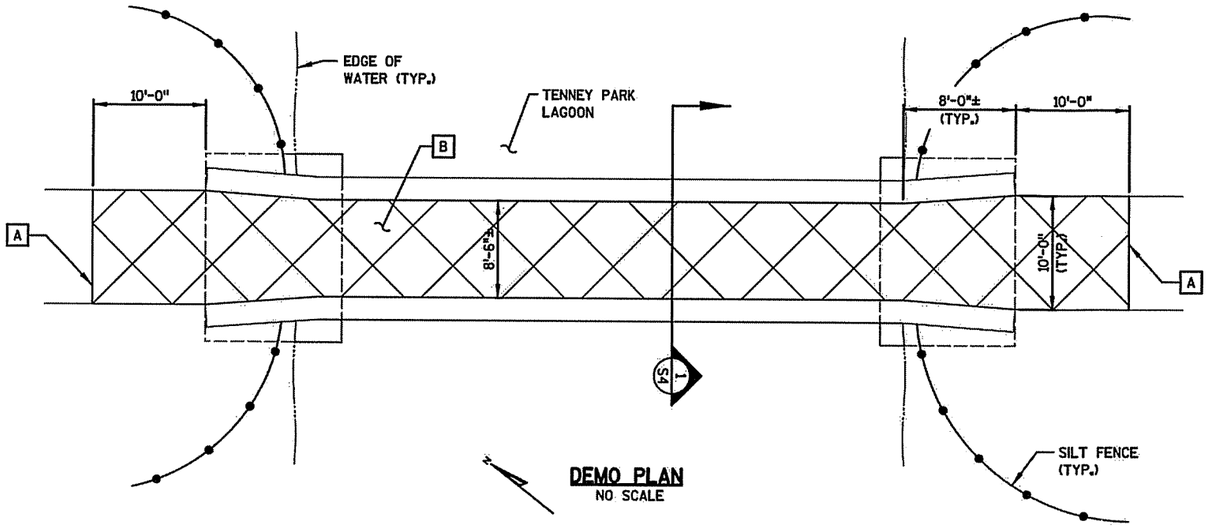
NO.	REVISIONS	DATE:
1	DNR CHAPTER 30 APPLICATION	10/30/13
2	SHPO REVIEW	11/25/13

MARSTON AVENUE
PEDESTRIAN BRIDGE RESTORATION DETAILS
MARSTON AVE. & SHERMAN AVE. PEDESTRIAN BRIDGE
RESTORATION WORK AT TENNEY PARK
CITY OF MADISON PARKS DIVISION
MADISON, WISCONSIN

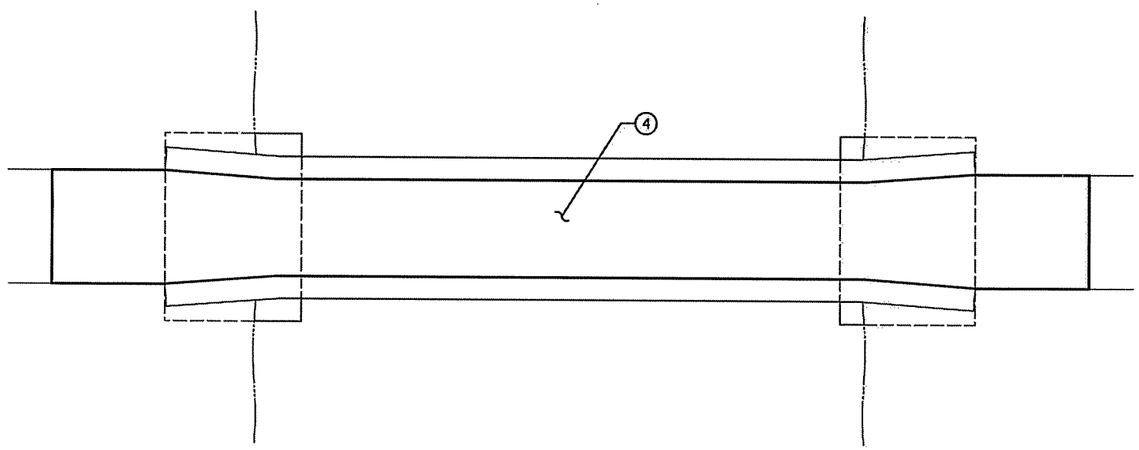
JOB NO. 1020.078
PROJECT MGR. KRB

STRAND ASSOCIATES®

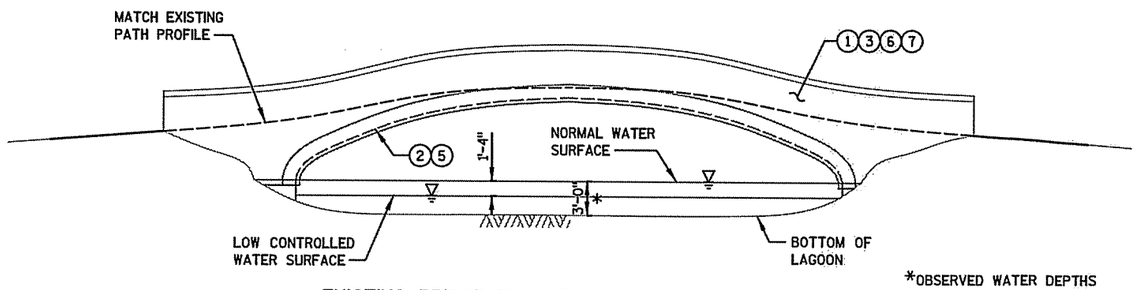
SHEET 5 S3



DEMO PLAN
NO SCALE



RESTORATION PLAN
NO SCALE



EXISTING BRIDGE ELEVATION SHOWING DEMO WORK
(LOOKING EAST)
NO SCALE

*OBSERVED WATER DEPTHS TAKEN ON 9/17/2013.

GENERAL NOTES

SEE GENERAL NOTES ON SHEET S2.

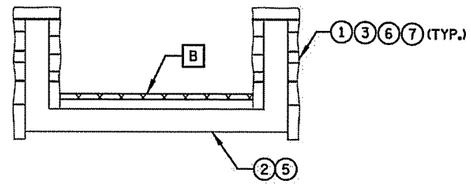
DEMOLITION NOTES

A SAWCUT EXISTING ASPHALT PAVEMENT.

B REMOVE EXISTING ASPHALT PAVEMENT.

KEY NOTES

1. CLEAN ALL ABOVE-GRADE SURFACES OF STONE VENEER. PRIOR TO ANY REPOINTING OR STONE RESTORATION WORK.
2. SOUND ENTIRE UNDERSIDE OF CONCRETE ARCH IN PRESENCE OF ENGINEER AND PERFORM CONCRETE SURFACE REPAIRS WHERE REQUIRED AS DETERMINED BY ENGINEER.
3. REPOINT EXISTING DETERIORATED MORTAR JOINTS.
4. NEW 3" ASPHALT PAVING OVER EXISTING BASE COURSE.
5. APPLY CEMENT-BASED WATERPROOFING COATING TO ENTIRE UNDERSIDE OF CONCRETE ARCH ABOVE THE NORMAL HIGHWATER ELEVATION.
6. REPAIR CRACKED STONES USING EPOXY CRACK INJECTION. SEE STONE RESTORATION SPECIAL PROVISION.
7. APPLY MASONRY SEALER TO ALL EXPOSED ABOVE-GRADE SURFACES OF MASONRY IN ACCORDANCE WITH THE SPECIAL PROVISIONS.



SECTION 1/S4

NO.	REVISIONS	DATE
1	DNR CHAPTER 30 APPLICATION	10/30/13
2	SHPO REVIEW	11/25/13

SHERMAN AVENUE
PEDESTRIAN BRIDGE DEMOLITION WORK
MARSTON AVE. & SHERMAN AVE. PEDESTRIAN BRIDGE
RESTORATION WORK AT TENNEY PARK
CITY OF MADISON PARKS DIVISION
MADISON, WISCONSIN

JOB NO.
1020.078

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SHEET
6
S4