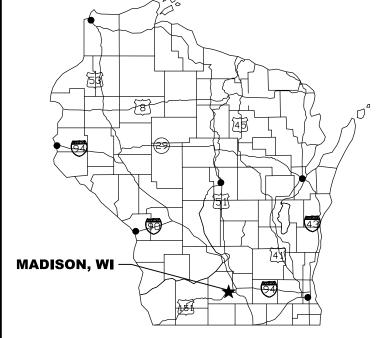
TENNEY PARK CONCRETE BRIDGE HISTORIC RESTORATION - 2014

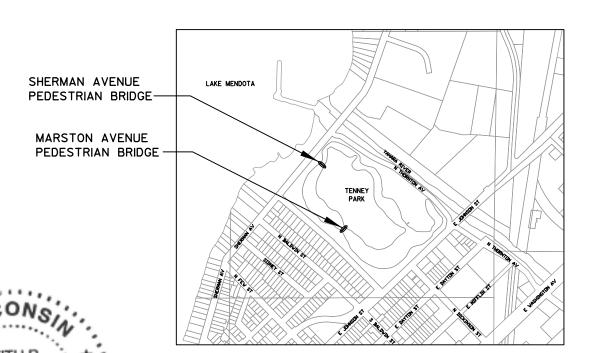
FOR THE

CITY OF MADISON PARKS DIVISION MADISON, WISCONSIN FEBRUARY, 2014



PROJECT LOCATION

NO SCALE



LIST OF DRAWINGS

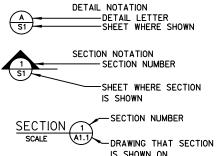
SHEET NO. DRAWING NO. DRAWING TITLE

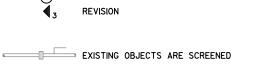
1 GO TITLE SHEET.

2 CIVIL
 C1 SITE PLAN.

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 DEMOLITION AND RESTORATION WORK.

DRAFTING SYMBOLS





**** EXISTING OBJECTS TO BE DEMOLISHED

KEY/SPECIFIC NOTE CALL-OUT



WATER SURFACE

TOPOGRAPHICAL SYMBOLS

CONCRETE CORE DRILLED FOR PETROGRAPHY TESTING



EXISTING DECIDUOUS TREE

SILT FENCE

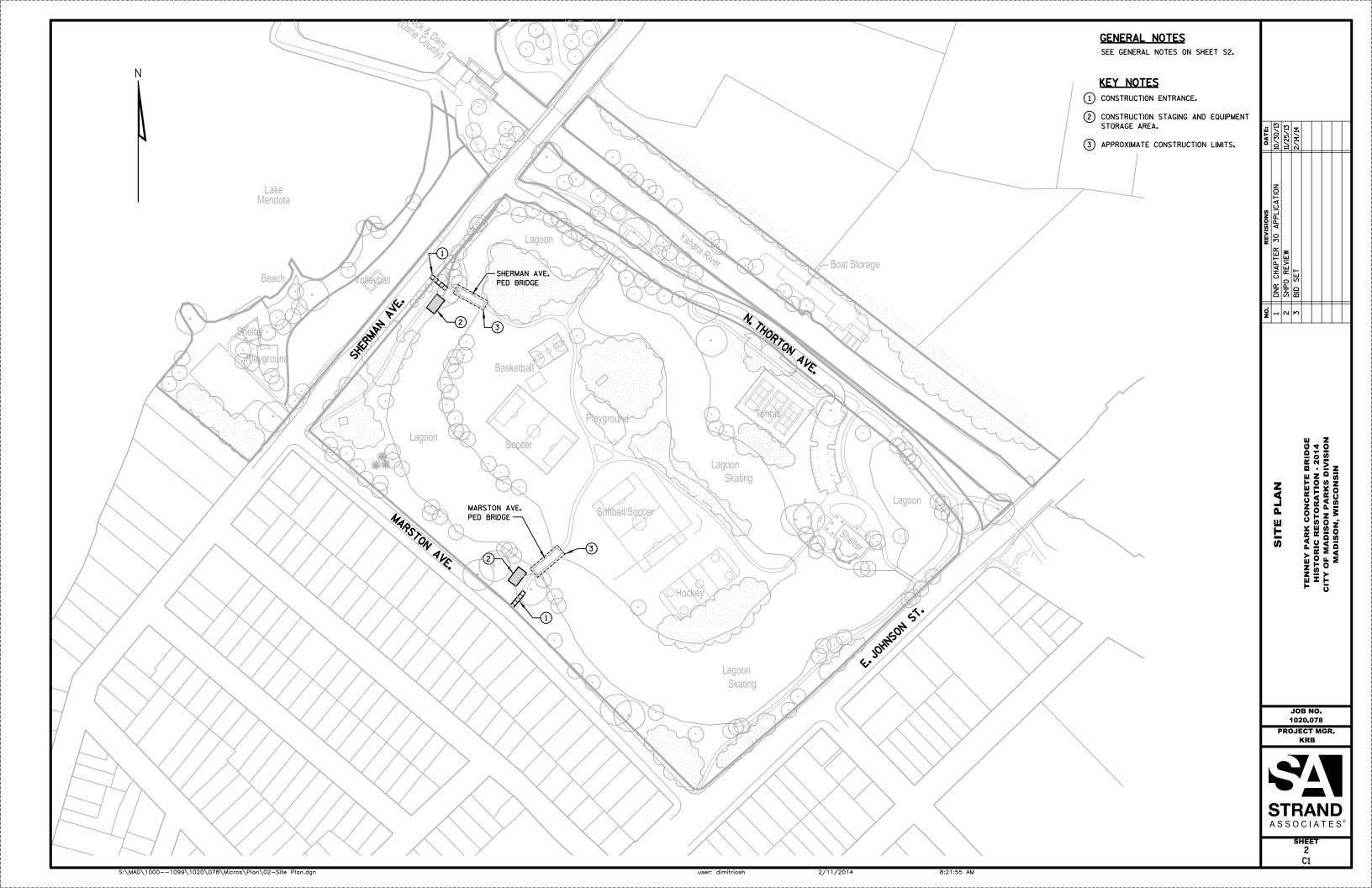
910 West Wingra Drive Madison, WI 53715 608-251-4843 608-251-8655 fax www.strand.com

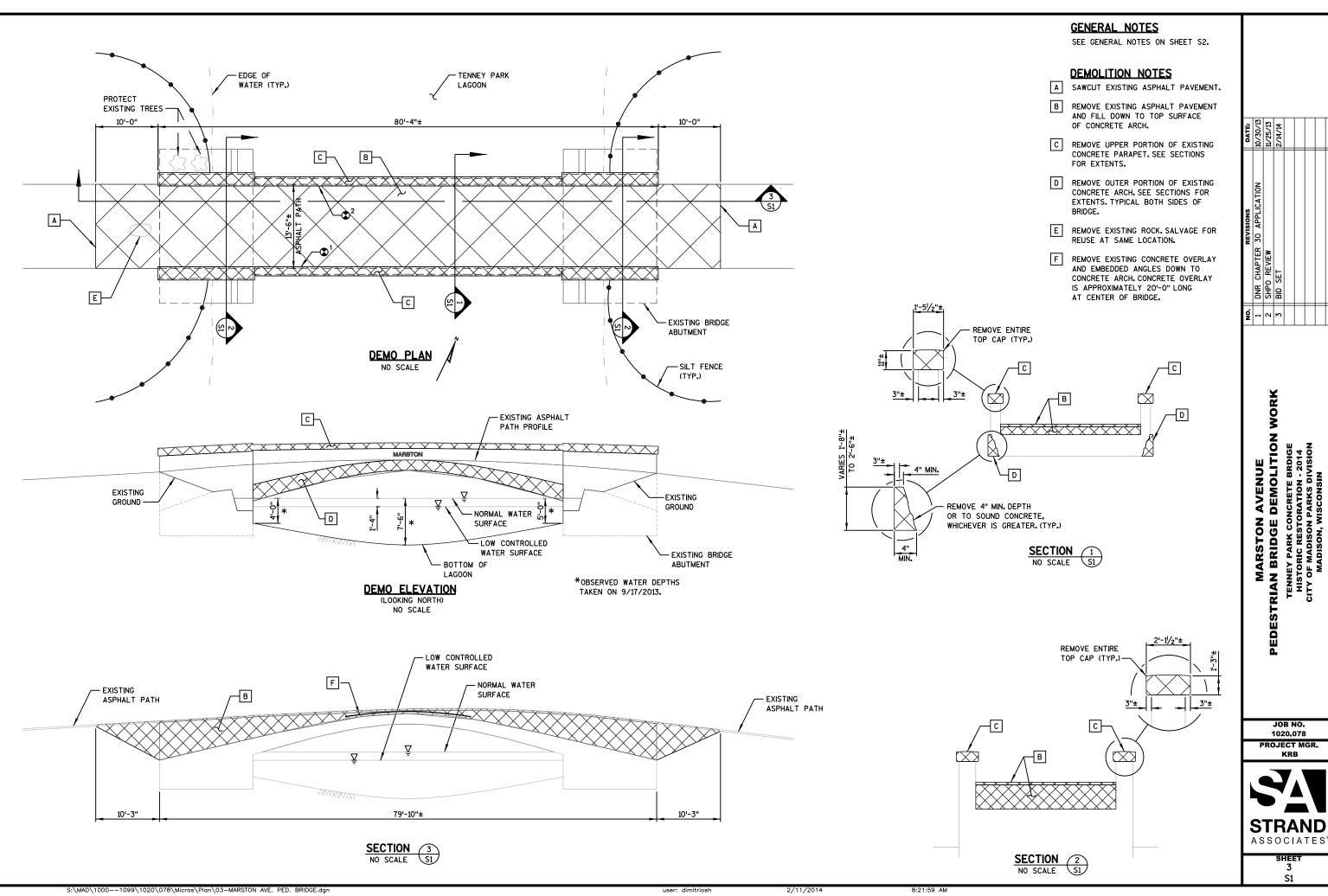
CONTRACT NO. PROJECT NO.

7266 53W1747



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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 1/2" 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 3/4" 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

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 AND DEMO PLANS FOR EROSION CONTROL REQUIREMENTS.

SEE SITE PLAN FOR PERMISSIBLE LOCATIONS FOR STAGING MATERIALS AND LOCATING

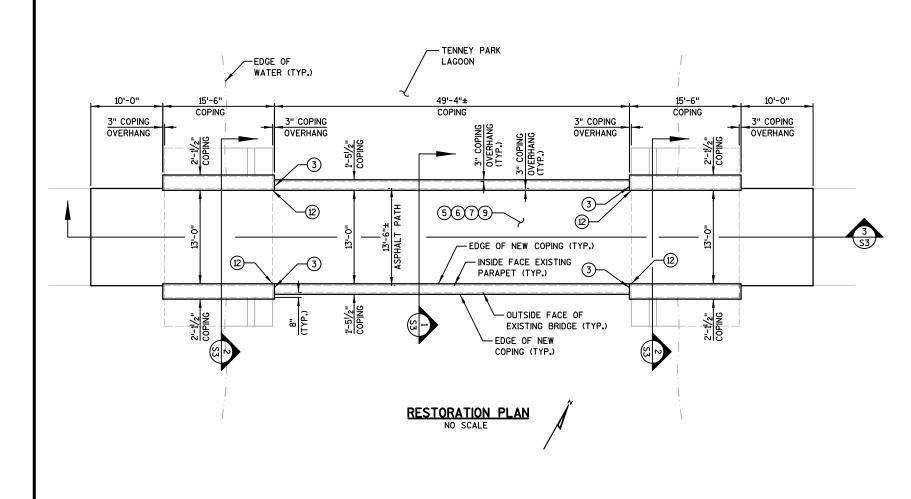
PROVIDE SIGNING, BARRICADES, ETC. AT ENDS OF BRIDGES OUTSIDE OF THE CONSTRUCTION LIMITS INDICATING THAT BRIDGES ARE CLOSED DURING CONSTRUCTION, SIGNAGE AND BARRICADES TO BE APPROVED BY CITY PRIOR TO PLACING.

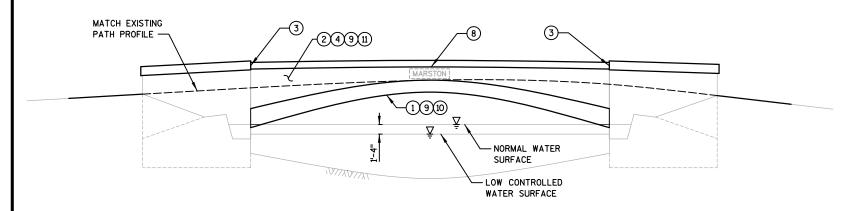
ABOVE-GRADE CONCRETE IS THAT CONCRETE WHICH IS ABOVE EITHER THE NORMAL WATER SURFACE OR THE EXISTING GROUND.

CRUSHED AGGREGATE BASE COURSE SHALL CONSIST OF 3-INCHES OF GRADATION NO. 2 OVER 5-INCH OF GRADATION NO. 1.

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 AREA.
- (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)
- (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 NEW 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 PRIOR TO BACKFILLING.
- (6) 3" ASPHALT OVER 8" CRUSHED AGGREGATE BASE COURSE OVER SELECT FILL.
- (7) INSTALL 11/2" 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 11/4" DEEP BY 1/2" WIDE DOWN TO TOP OF EXISTING CONCRETE ARCH AND FILL WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER 1" DEEP AND HOLD 1/8" 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.





RESTORATION ELEVATION

(LOOKING NORTH) NO SCALE

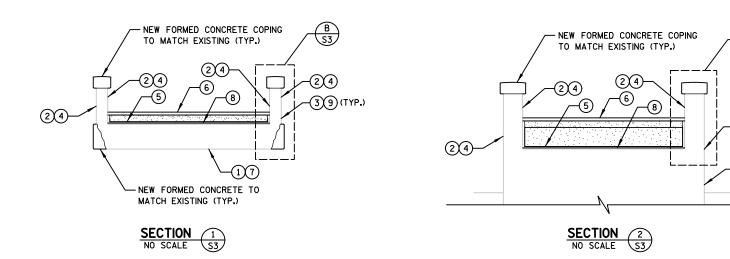
I AVENUE RESTORATION MARSTON AVENUE
DESTRIAN BRIDGE RESTORATIOI
TENNEY PARK CONCRETE BRIDGE
HISTORIC RESTORATION - 2014
CITY OF MADISON, WISCONSIN

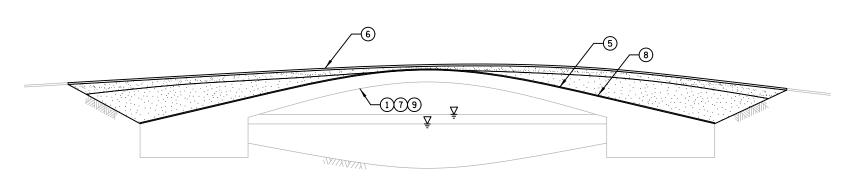
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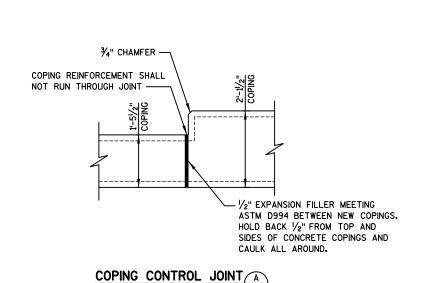
S2

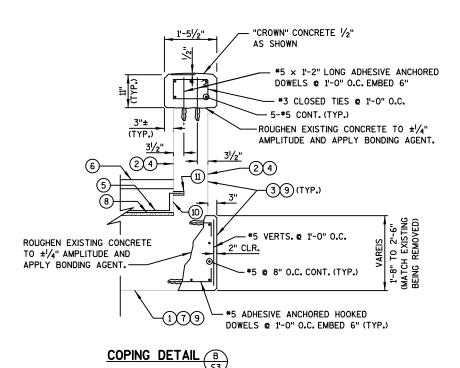
ASSOCIATES





SECTION 3





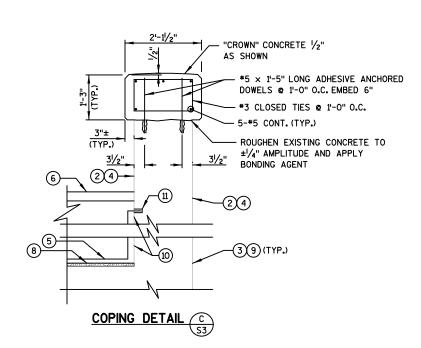
39 (TYP.)

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 NEW CONCRETE TOPPING OVER 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 PRIOR TO BACKFILLING.
- 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 1/2" 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.
- (1) SAWCUT 1/2" × 1/2" REGLET FOR TERMINATION OF WATERPROOFING MEMBRANE. TURN MEMBRANE INTO REGLET AND SEAL WITH MASTIC AS RECOMMENDED BY THE MEMBRANE MANUFACTURER. WORK IS INCIDENTAL TO WATERPROOFING MEMBRANE SYSTEM BID ITEM.



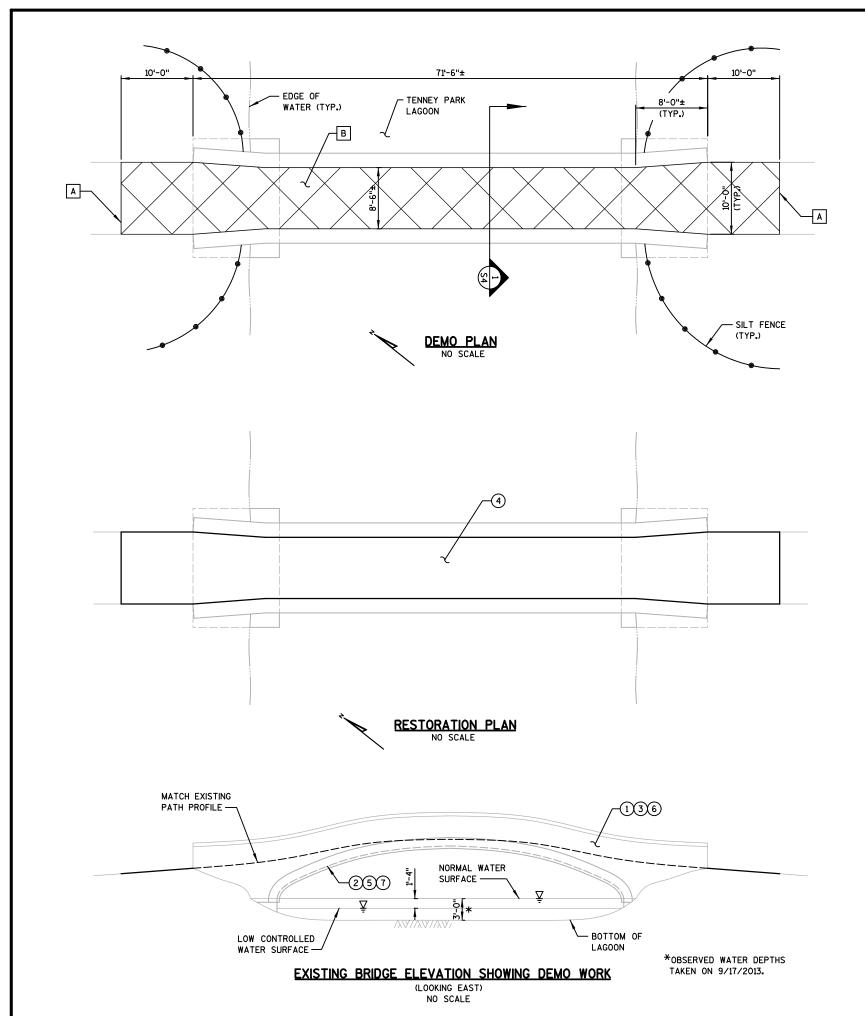


MARSTON AVENUE
PEDESTRIAN BRIDGE RESTORATION DETAILS
TENNEY PARK CONCRETE BRIDGE
HISTORIC RESTORATION - 2014
CITY OF MADISON PARKS DIVISION
MADISON, WISCONSIN

JOB NO. 1020.078 PROJECT MGR.



SHEET 5 S3



GENERAL NOTES

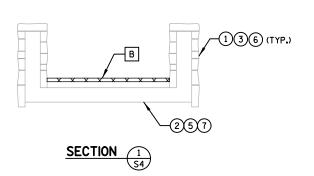
SEE GENERAL NOTES ON SHEET S2.

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 PENETRATING CORROSION INHIBITOR TO UNDERSIDE OF CONCRETE ARCH.





ASSOCIATES'

S4