# WINGRA CREEK PEDESTRIAN BRIDGE REPLACEMENT -WEST WINGRA DRIVE AT SOUTH STREET

# FOR THE CITY OF MADISON ENGINEERING DIVISION MADISON, WISCONSIN JANUARY, 2018



PROJECT LOCATION NO SCALE PEDESTRIAN BRIDGE

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

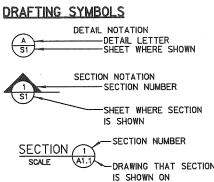
**CONTRACT NO. 8101 MUNIS NO. 11294** 

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LIST OF D	DRAWINGS
SHEET NO.	DRAWING TITLE
1	TITLE SHEET
2	SITE PLAN
3	DEMOLITION PLAN
4	STRUCTURE DETAILS
5	STRUCTURE DETAILS
6	STRUCTURE DETAILS
7	STRUCTURE DETAILS

1/17/201





KEY/SPECIFIC NOTE CALL-OUT REVISION

EXISTING OBJECTS ARE SCREENED

EXISTING OBJECTS TO BE DEMOLISHED

### ARCHITECTURAL SYMBOLS

EARTH

WATER SURFACE

# TOPOGRAPHICAL SYMBOLS



EXISTING DECIDUOUS TREE SILT FENCE BENCH MARK

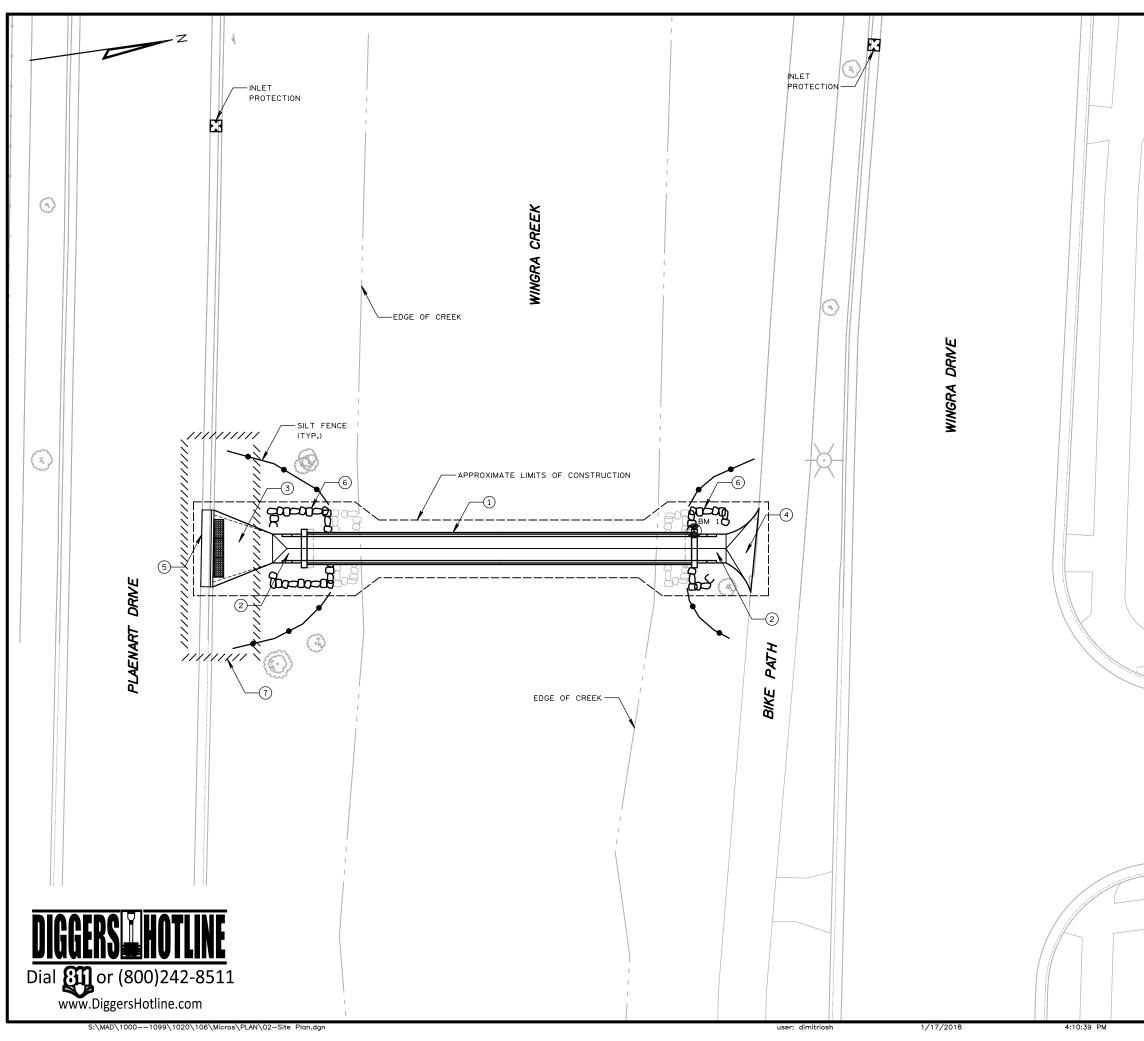
24/18

DATE

PUBLIC IMPROVEMENT PROJECT APPROVED **JANUARY 2, 2018** BY THE COMMON COUNCIL OF MADISON, WISCONSIN PUBLIC IMPROVEMENT DESIGN APPROVED BY:

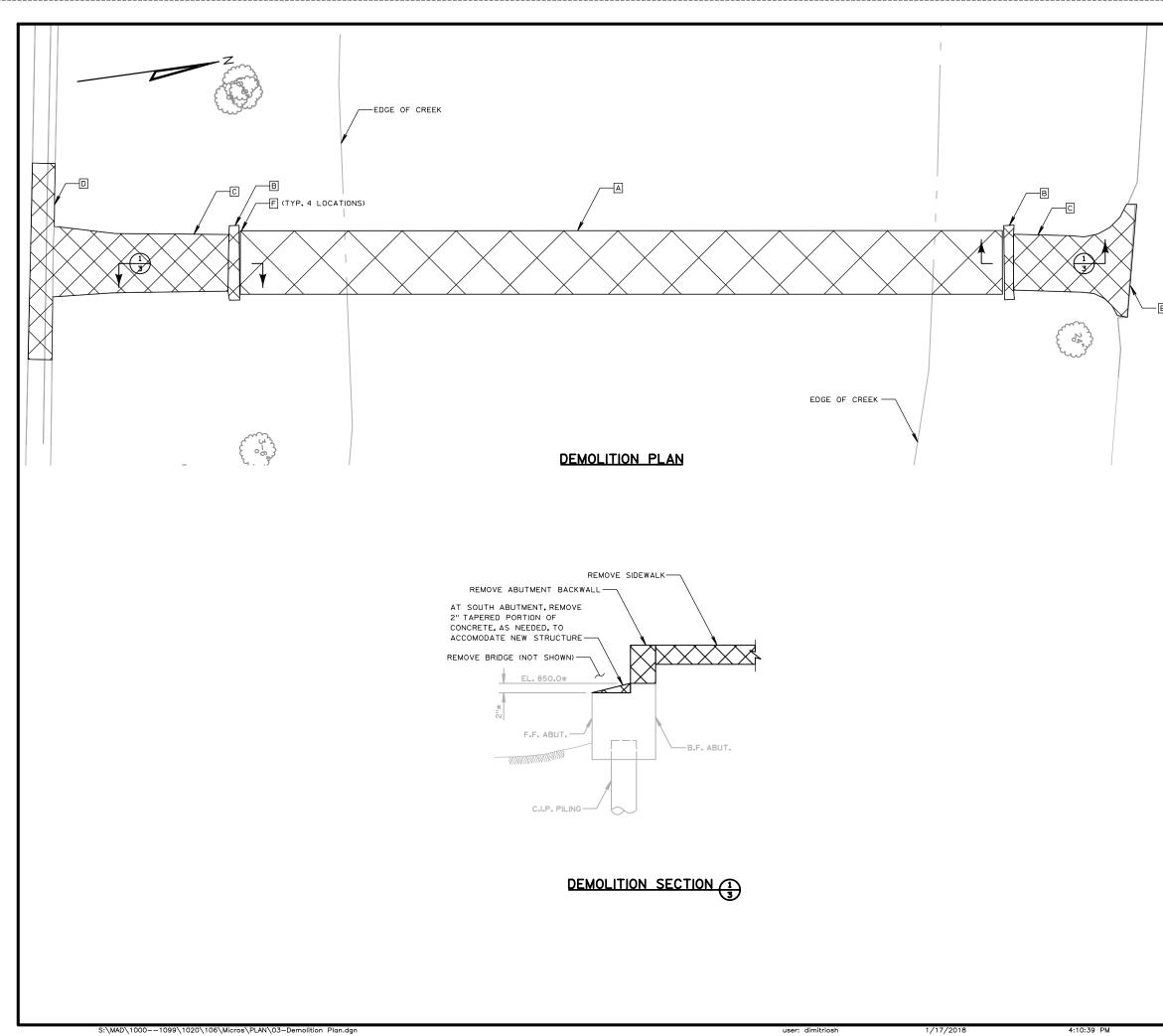


JOB NO. 1020.106

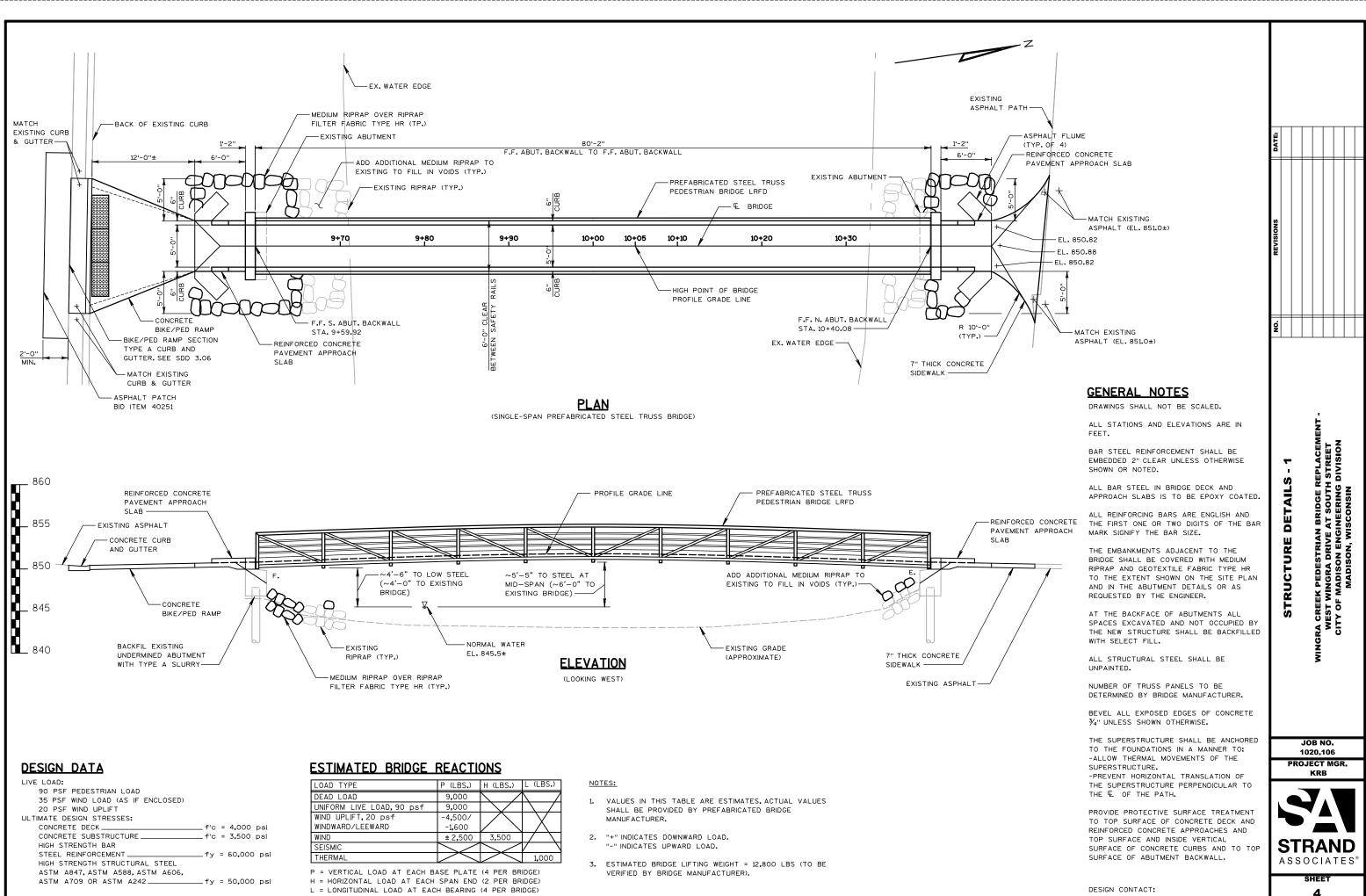


GENERAL NOTES            EXISTING PROMATION SHOWN ON DRAWINGS WAS GROTAND FROM FILLD MEASUREMENTS, CITY OF MADIGON TOPOGRAPHIC SURVEY DATA AND EXISTING DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE ACPROVAL OF THE CITY UNREAS SHOWN OTHERNISE ON DRAWINGS.            PROVIDE INLET PROTECTION, TYPE D HYBRID AT FIRST DESURBED LAWN AREAS SHALL GET THERACE SECTION AND EROSION CONTROL MAT CLASS L URBAN TYPE B.             PROVIDE INLET PROTECTION, TYPE D HYBRID AT FIRST DEVINEED LAWN AREAS SHALL GET URBRACE AREA PROVIDE INLET PROTECTION, TYPE D HYBRID AT FIRST DEVINEED CONTROL AS NEEDED, FOR CRAWE WITH OUT THE AVEX. PROVIDE TRAFFIC CONTROL, AS NEEDED, FOR CRAWE WITH OWNERS AN WORKA OF EXAMINE PLACHART HOW. COMPETE THE WORK, COURSES SHALL BE LIMITED AND MATERIAL DELIVERES. COORDINATE WITH CITY.             PROVIDE TRAFFIC CONTROL AS NEEDED, FOR CRAWE WITH OUTS. COMPETE THE WORK, CONTROL BE LIMITED AND MATERIAL DELIVERES. COORDINATE WITH COMPETE THE WORK, CONTROL BE INTO THE AND MATERIAL DELIVERES SHALK.         CONCRETE BAKE/PED RAME WITH OFTECTABLE WARNING FILED, SEE CITY OF MADISON STANDARD DETAIL DEAL DRAWING JOSC.         (PREABRICATED STEEL TRUSS PEDESTRIAN BRIDGE LICATION WITH CITY.             CONCRETE BAKE/PED RAME WITH OFTECTABLE WARNING FILED, SEE CITY OF MADISON STANDARD DETAIL DRAWING JOSC.         (PREABRICATED STEEL TRUSS PEDESTRIAN BRIDGE LICATION WITH CITY.             CONCRETE BAKE/PED RAME FILTER FABRIC, TYPE HR.         (PROLETION BOOK AND AND AND AND THE FILTER FABRIC, TYPE HR.		NERAL NOTES							
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DOWNSTREAM INLET ON BOTH WINGRA DRIVE AND PLAENART DRIVE.      NO WORK OR DISTUBBANCE SHALL OCCUR BELOW THE ORDINARY HICH WATER MARK OF WINGRA CREEK.      PROVIDE TRAFFIC CONTROL, AS NEEDED, FOR CRANE WORK AND MATERIAL DELIVERS, GOORDINATE WITH CITY.      PROVIDE BIKE PATH CLOSURES, AS NEEDED, TO COMPLETE THE WORK, COLOSURES SHALL BE LIMITED AND KEPT TO A MINIMUM, BIKE PATH CLOSURE WORK IS NODORDINATE ALL CLOSURES WITH CITY.      EXP NOTES      PREFABRICATED STEEL TRUSS PEDESTRIAN BRIDGE LIFFD.      CONCRETE BIKE/PED RAMP WITH DETECTABLE WARNING FIELDS. SEE CITY OF MADISON STANDARD DETAIL DRAWING 3.14.      T'' THCK CONCRETE SIDEWALK.      CONCRETE BIKE/PED RAMP WITH DETECTABLE WARNING FIELDS. SEE CITY OF MADISON STANDARD DETAIL DRAWING 3.14.      T'' THCK CONCRETE SIDEWALK.      CONCRETE CURB AND GUTTER BIKE/PED RAMP SECTION TYPE 'A'S SEE CITY OF MADISON STANDARD DETAIL DRAWING 3.06.      MEDIUM RIPRAP OVER RIPRAP FILTER FABRIC, TYPE HR.      CRANE STAGING LOCATION. COORDINATE FINAL LOCATION WITH CITY.      JOB NO.      THOK CONCRETE SIDEWALK.      CONCRETE CURB AND GUTTER BIKE/PED RAMP SECTION TYPE 'A'S SEE CITY OF MADISON STANDARD DETAIL DRAWING 3.06.      MEDIUM RIPRAP OVER RIPRAP FILTER FABRIC, TYPE HR.      DOWN'S TREEET      JOB NO.      DESCRIPTION      JOB NO.      DESCRIPTION      DESCR	3.	SEEDING AND EROSION CONTROL MAT CLASS I, URBAN	DAT					-	_
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KEY NOTES         1       PREFABRICATED STEEL TRUSS PEDESTRIAN BRIDGE LRFD.         2       REINFORCED CONCRETE PAVEMENT APPROACH SLAB.         3       CONCRETE BIKE/PED RAMP WITH DETECTABLE WARNING FIELDS. SEE CITY OF MADISON STANDARD DETAIL DRAWING 3.14.         4       7" THICK CONCRETE SIDEWALK.         5       CONCRETE CURB AND GUTTER BIKE/PED RAMP SECTION TYPE 'A'. SEE CITY OF MADISON STANDARD DETAIL DRAWING 3.06.         6       MEDIUM RIPRAP OVER RIPRAP FILTER FABRIC, TYPE HR.         7       CRAME STAGING LOCATION. COORDINATE FINAL LOCATION WITH CITY.         SOUTH STREET         JOB NO. 1022.016         PROJECTION TYPE INTERNATION WITH CITY.         SOUTH STREET         JOB NO. 1022.016         PROJECTION MITH CITY.	7.	COMPLETE THE WORK. CLOSURES SHALL BE LIMITED AND KEPT TO A MINIMUM. BIKE PATH CLOSURE WORK IS INCIDENTAL TO TRAFFIC CONTROL BID ITEM.					_	_	
<ul> <li>PREFABRICATED STEEL TRUSS PEDESTRIAN BRIDGE LRFD.</li> <li>REINFORCED CONCRETE PAVEMENT APPROACH SLAB.</li> <li>CONCRETE BIKE/PED RAMP WITH DETECTABLE WARNING FIELDS. SEE CITY OF MADISON STANDARD DETAIL DRAWING 3.04.</li> <li>T" THICK CONCRETE SIDEWALK.</li> <li>CONCRETE CUBB AND GUITER BIKE/PED RAMP SECTION TYPE 'A' SEE CITY OF MADISON STANDARD DETAIL DRAWING 3.06.</li> <li>MEDIUM RIPRAP OVER RIPRAP FILTER FABRIC, TYPE HR.</li> <li>CRANE STAGING LOCATION, COORDINATE FINAL LOCATION WITH CITY.</li> </ul> SOUTH STREET   JOB NO.   SOUTH STREET     JOB NO.   Image: Stree City of Market Stree City of MADISON STANDARD DETAIL DRAWING 3.06. <b>CH MARK</b> Image: Stree City of MADISON STANDARD DETAIL DOOR TRIPPARA FILTER FABRIC, TYPE HR. <b>CH MARK</b> Image: Stree City of MADISON COORDINATE FINAL			ž						
<ul> <li>CONCRETE BIKE/PED RAMP WITH DETECTABLE WARNING FIELDS. SEE CITY OF MADISON STANDARD DETAIL DRAWING 3.14.</li> <li>T" THICK CONCRETE SIDEWALK.</li> <li>CONCRETE CURB AND GUTTER BIKE/PED RAMP SECTION TYPE 'A'. SEE CITY OF MADISON STANDARD DETAIL DRAWING 3.06.</li> <li>MEDIUM RIPRAP OVER RIPRAP FILTER FABRIC, TYPE HR.</li> <li>CRANE STAGING LOCATION. COORDINATE FINAL LOCATION WITH CITY.</li> </ul> BUILT STREET           Image: Comparison of the street of t	_	PREFABRICATED STEEL TRUSS PEDESTRIAN BRIDGE							
<ul> <li>FIELDS. SEE CITY OF MADISON STANDARD DETAIL DRAWING 3.14.</li> <li>T" THICK CONCRETE SIDEWALK.</li> <li>CONCRETE CURB AND GUTTER BIKE/PED RAMP SECTION TYPE 'A'. SEE CITY OF MADISON STANDARD DETAIL DRAWING 3.06.</li> <li>MEDIUM RIPRAP OVER RIPRAP FILTER FABRIC, TYPE HR.</li> <li>CRANE STAGING LOCATION. COORDINATE FINAL LOCATION WITH CITY.</li> <li>SOUTH STREET</li> <li>JOB NO. 1020.106</li> <li>PROJECT MGR. KRB</li> <li>CH MARK</li> <li>EL. DESCRIPTION</li> <li>TORD OF EVENTIME CONCRETE ABULTNENT</li> </ul>	2	REINFORCED CONCRETE PAVEMENT APPROACH SLAB.							
	3	FIELDS. SEE CITY OF MADISON STANDARD DETAIL				- F			
	(4)	7" THICK CONCRETE SIDEWALK.				MEN		z	
	5	SECTION TYPE 'A'. SEE CITY OF MADISON STANDARD				EPLACE	STREET		
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JOB NO. 1020.106         PROJECT MGR. KRB         CH MARK         EL.       DESCRIPTION TOP OF EXISTING CONCRETE ABUTMENT						<b>GRA CRE</b>	WEST		
1020.106         PROJECT MGR.         KRB         STRAND         ASSOCIATES		, TPEFT				MIM			
CH MARK		SOUTH STREET				MIM			
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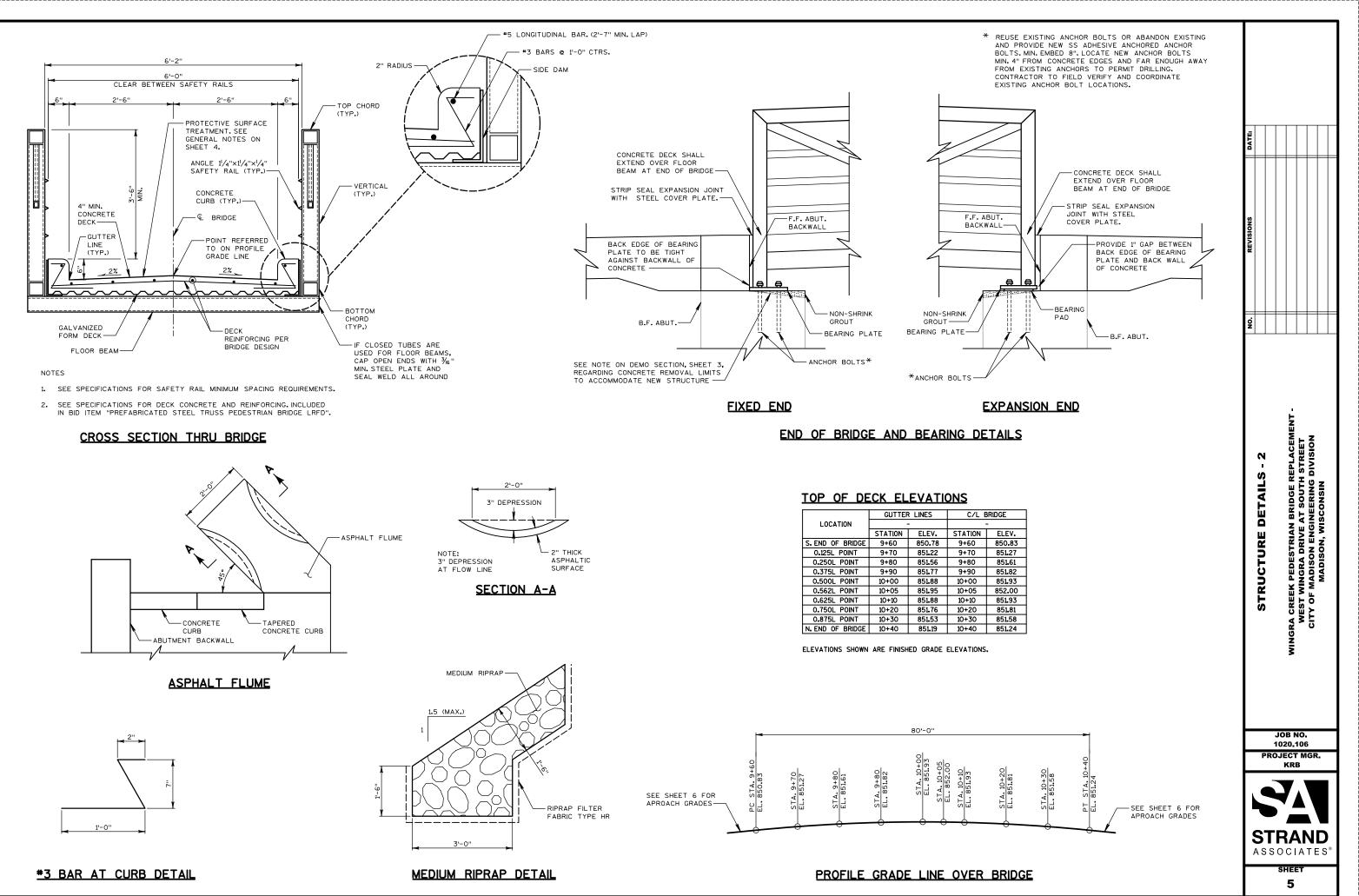
<u>GE</u> 1.	NERAL NOTES SEE GENERAL NOTES, SHEET 2.								
<u>De</u>	MOLITION KEY NOTES			_		-	1		
A	ALL STEEL COMPONENTS, CONCRETE DECK AND GROUT PADS BELOW BRIDGE BEARINGS.	DATE							
в	REMOVE CONCRETE ABUTMENT BACKWALL.	F		t	t				
С	REMOVE CONCRETE SIDEWALK.	L							
D	REMOVE CONCRETE CURB AND GUTTER.	L							
Ε	SAWCUT ASPHALT PAVEMENT TO ACCOMODATE NEW SIDEWALK.	REVISIONS							
F	SAWCUT EXISTING SS ANCHOR BOLTS FLUSH TO TOP OF FINISHED ABUTMENT BEARING SEAT IF NOT BEING REUSED FOR NEW STRUCTURE.	REVIS							
		NO.							
						1			
			DEMOLITION PLAN			WINGRA CREEK PEDESTRIAN BRIDGE REPLACEMENT			MADISON, WISCONSIN
		JOB NO. 1020.106 PROJECT MGR							
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DESIGN CONTACT:

KEITH BEHREND (608) 251-4843

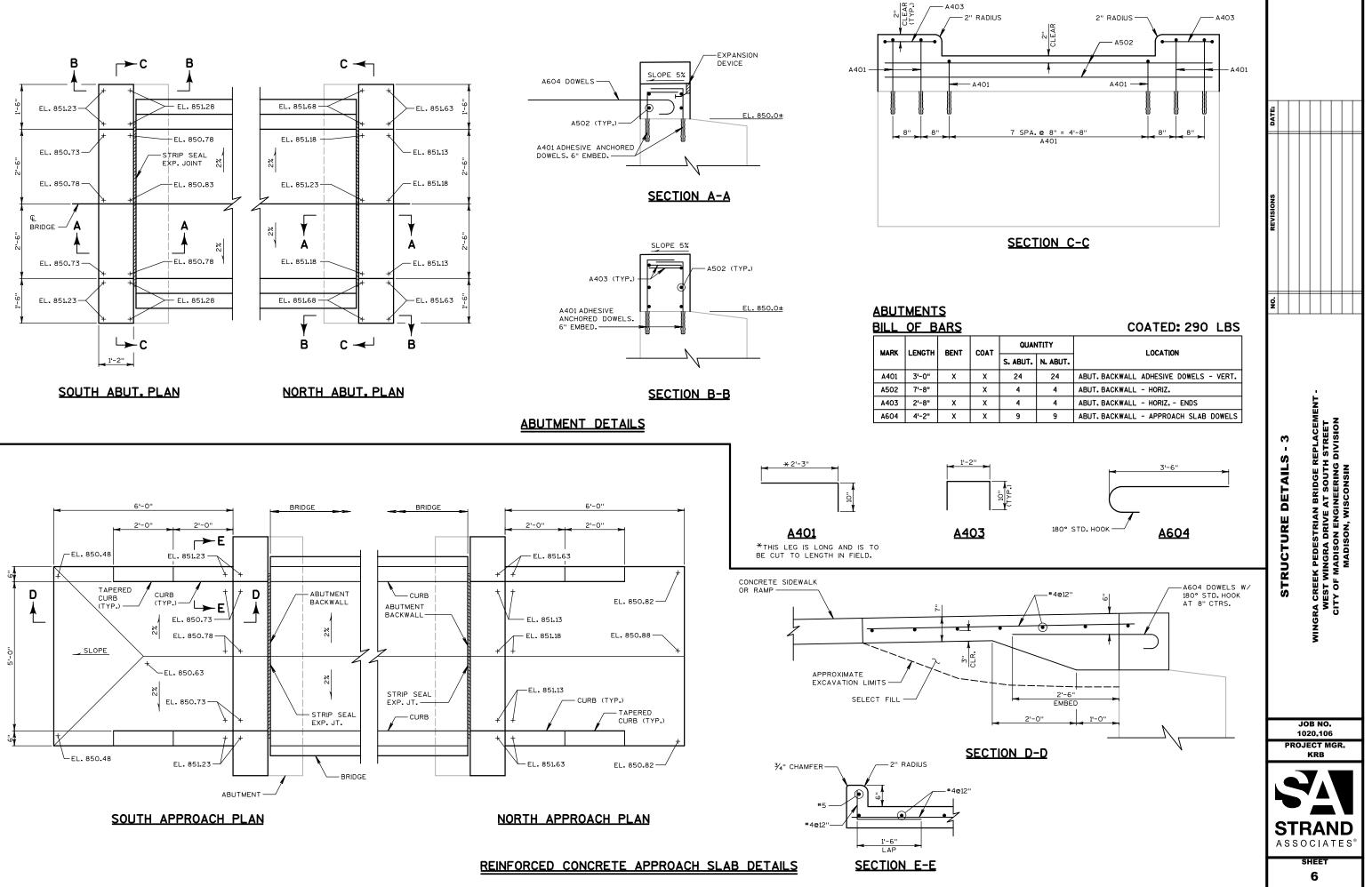


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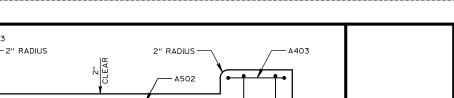


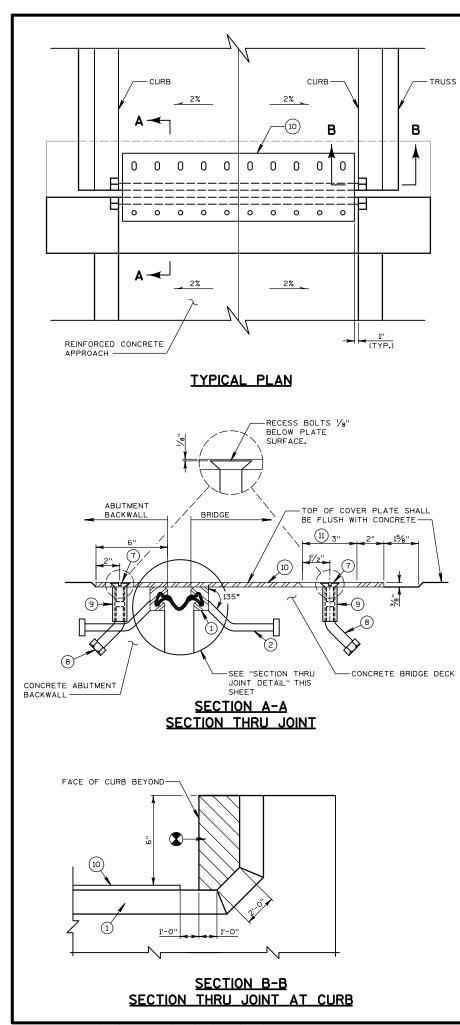
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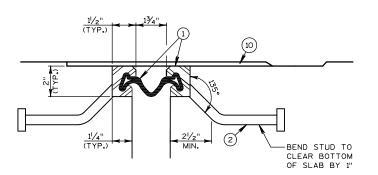
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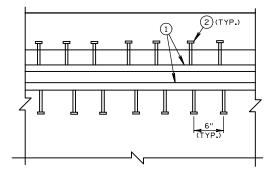
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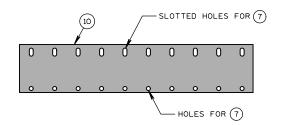




SECTION THRU JOINT DETAIL



COVER PLATES NOT SHOWN



### PLAN OF COVER PLATE WITH SLIP RESISTANT SURFACE

PLACE SLIP-RESISTANT SURFACE ON TOP WALKING SURFACE IN SHADED AREA.

APPROVED SLIP-RESIST	ANT APPLIED SURFACES FOR	STEEL PLATES			
PRODUCT	MANUFACTURER	CONTACT AT			
SLIPNOT GRADE 2, STEEL	W.S.MOLNAR COMPANY	1-800-SLIPNOT			
ALGRIP, STEEL	ROSS TECHNOLOGY CORP.	1-800-345-8170			

## STRIP SEAL EXPANSION JOINT AND COVER PLATE DETAILS

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1/17/2018

I)	LEGEND NEOPRENE STRIP SEAL (4-INCH) & STEEL EXTRUSIONS.							
_	STUDS $\frac{5}{8}$ " $\phi$ x $6\frac{3}{4}$ " LONG AT 6" CENTERS. WELD TO EXTRUSIONS & BEND AS SHOWN AFTER WELDING.							
7	$3\!\!\!/_4$ * $1\!\!/_2$ " Stainless steel socket flat head screws with anti-seize lubricant. Recess $1\!\!/_8$ " below plate surface.							
3)	$\ensuremath{\overset{3}{}}\ensuremath{^{\prime\prime}}\ensurema$							
٩	$\frac{3}{4}$ " $\phi \times 2^{1}/4$ " Galvanized threaded coupling.	DATE						
0	GALVANIZED PLATE $3\!\!/_8$ " $\times$ 1'-4" $\times$ 4'-10", with holes for *7.						Ħ	-
1)	1" $\times$ 3" slotted countersunk hole for *7.slot parallel to direction of movement.							
D	BLOCK OUT CONCRETE 2" EACH SIDE OF JOINT OPENING.							
	GENERAL NOTES NO FIELD SPLICE PERMITTED IN STEEL EXTRUSIONS. NO SPLICING PERMITTED IN NEOPRENE STRIP SEAL.	REVISIONS						
	AFTER FABRICATION, BUT BEFORE SHIPMENT, STRAIGHTEN STEEL EXTRUSIONS SUCH THAT THEY SHALL BE FREE FROM WARP, TWIST & SWEEP.							
	FABRICATOR SHALL PROVIDE MEANS OF KEEPING GALVANIZED EXTRUSIONS CLEAN & SMOOTH DURING SHIPMENT AND PRIOR TO APPLYING LUBRICANT ADHESIVE FOR NEOPRENE GLAND INSTALLATION.					_		
	SANDBLAST PLATES & EXTRUSIONS AFTER FABRICATION IN ACCORDANCE WITH SSPC SP. #6 "COMMERCIAL BLAST CLEANING". AFTER BLAST CLEANING, THE PLATES & EXTRUSIONS SHALL BE HOT DIPPED GALVANIZED.	ō.						
	ANCHOR SYSTEM #8 & #9 SHALL CONFORM TO ASTM A307 & SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153 CLASS C & D.							
	THE EXPANSION DEVICE MANUFACTURER SHALL PROVIDE A MECHANISM TO SUPPORT THE JOINT IN PLACE DURING THE CONCRETE POUR.				- TN			
	STRIP SEAL EXPANSION JOINT ASSEMBLY, INCLUDING ANCHOR STUDS & HARDWARE WILL BE PAID FOR AT THE LUMP SUM PRICE BID FOR "EXPANSION DEVICES".		4		BRIDGE REPLACEMENT	STREET		
	PLACE SLIP RESISTANT SURFACE ON TOP WALKING SURFACE OF COVER PLATE.SEE DETAIL THIS SHEET.		s S		SEPL			
	JOINT MANUFACTURER SHALL INFORM AND PROVIDE JOINT DETAILS TO THE STEEL BRIDGE DESIGNER/FABRICATOR.		AIL		DGE	FERING	CONSIN	
			STRUCTURE DET		_	WEST WINGRA DRIVE AT S CITY OF MADISON ENGINEE	ŝ	
		JOB NO. 1020.106 PROJECT MGR. KRB						
		STRAND ASSOCIATES®			8			

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