MINNESOTA DEPARTMENT OF TRANSPORTATION
CITY OF REDWOOD FALLS

CONSTRUCTION PLANS FOR: DEMOLITION PLANS FOR BRIDGE NO. 805; CONCRETE REMOVAL AND DISPOSAL, BITUMINOUS SURFACING REMOVAL, SIGNS AND FENCING

LOCATED ON BRIDGE STREET BETWEEN A POINT 257' WEST OF GROVE STREET AND A POINT 157' EAST OF MINNESOTA STREET.
S.A.P. 207-080-02

BEGINING AT THE SW CORNER OF LOT 3 BLOCK 8 IN THE CROULEY'S ADDITION LOCATED IN T. 113 N., R. 36 W. SECTION 36, REDWOOD COUNTY, THENCE CONTINUE ON THE EAST RIGHT OF WAY OF GROVE STREET EXTENDED SOUTHERLY 19.15' AT AN ASSUMED BEARING OF S0° 00' 00"E, THENCE EASTERLY 219.08' AT A BEARING OF N90° 00' 00"E TO THE BEGINNING OF S.A.P. 207-080-02.

PRELIMINARY

THIS PLAN CONTAINS 17 SHEETS

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17.	BRIDGE DETAILS

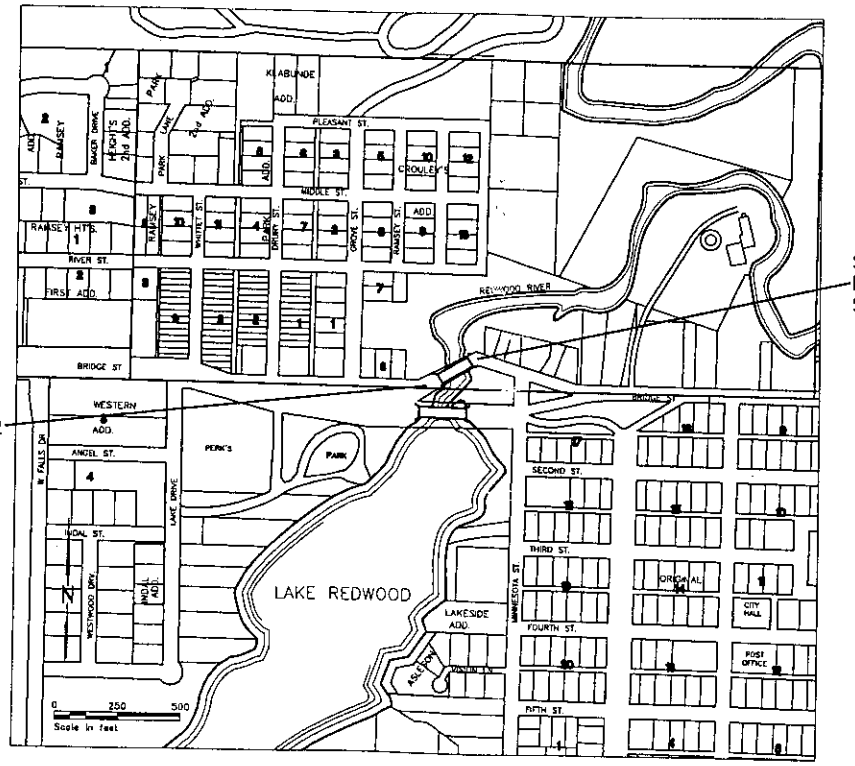
GROSS LENGTH	256.480 feet	0.05 mi.
BRIDGE LENGTH	171.000 feet	0.03 mi.
EXCEPTION LENGTH	0.00 feet	0.00 mi.
NET LENGTH	256.480 feet	0.05 mi.

PLANS SYMBOLS

COUNTY LINE
SECTION LINE
QUARTER LINE
SIXTEENTH LINE
PRESENT RIGHT-OF-WAY
RIGHT-OF-WAY
CONTROL OF ACCESS LINE
PROPERTY LINES
RETAINING WALL
RAILROAD
FENCE
CENTERLINE OR BASELINE
TEMPORARY EASEMENT LINE
TREE
SHRUB
PROPERTY ID NUMBER 18-118-21-43-0010

UTILITIES SYMBOLS

POWER/UTILITY POLE
ANCHOR WIRE
STREET LIGHT
HANDHOLE
TRAFFIC LIGHT
TRAFFIC SIGN
TELEPHONE MANHOLE
SANITARY SEWER MANHOLE
STORM SEWER MANHOLE
CATCH BASIN
GATE VALVE
HYDRANT
WATER LINE
SANITARY SEWER
STORM SEWER
BURIED ELECTRIC
BURIED GAS
BURIED TELEPHONE
BURIED CABLE TV
SILT FENCE



ALL TRAFFIC CONTROL DEVICES AND SIGNING SHALL CONFORM TO THE MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, INCLUDING THE FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS, DATED JANUARY 2001.

GOVERING SPECIFICATIONS
THE 2000 EDITION OF MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" SHALL GOVERN.

ALL APPLICABLE FEDERAL, STATE, COUNTY, AND LOCAL LAWS WILL BE COMPLIED WITH IN CONSTRUCTION OF THIS PROJECT.

PROJECT LOCATION

LOCATION MAP
COUNTY:REDWOOD

TYPICAL PLAN SCALE
UNLESS OTHERWISE NOTED:

0 25 50
Scale in feet
HORIZONTAL

0 5 10
Scale in feet
VERTICAL

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

Counsulting Engineer -- Rochester
BONESTROO, ROSENE, ANDERLIK & ASSOCIATES — Date: ____ Reg. No. 16768

Approved — City of REDWOOD FALLS — Date: ____

Approved — District State Aid Engineer — Date: ____

Approved — State Aid Plan — Date: ____

SAP 207-080-02

SURVEY
DRAWN JAG
DESIGNED MCL
APPROVED MCL
DATE 02/2003
PROJ. NO. 1130/109

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PRINT NAME: MICHAEL L. MCCLY
SIGNATURE:
DATE 02/2003 REG. NO. 16768

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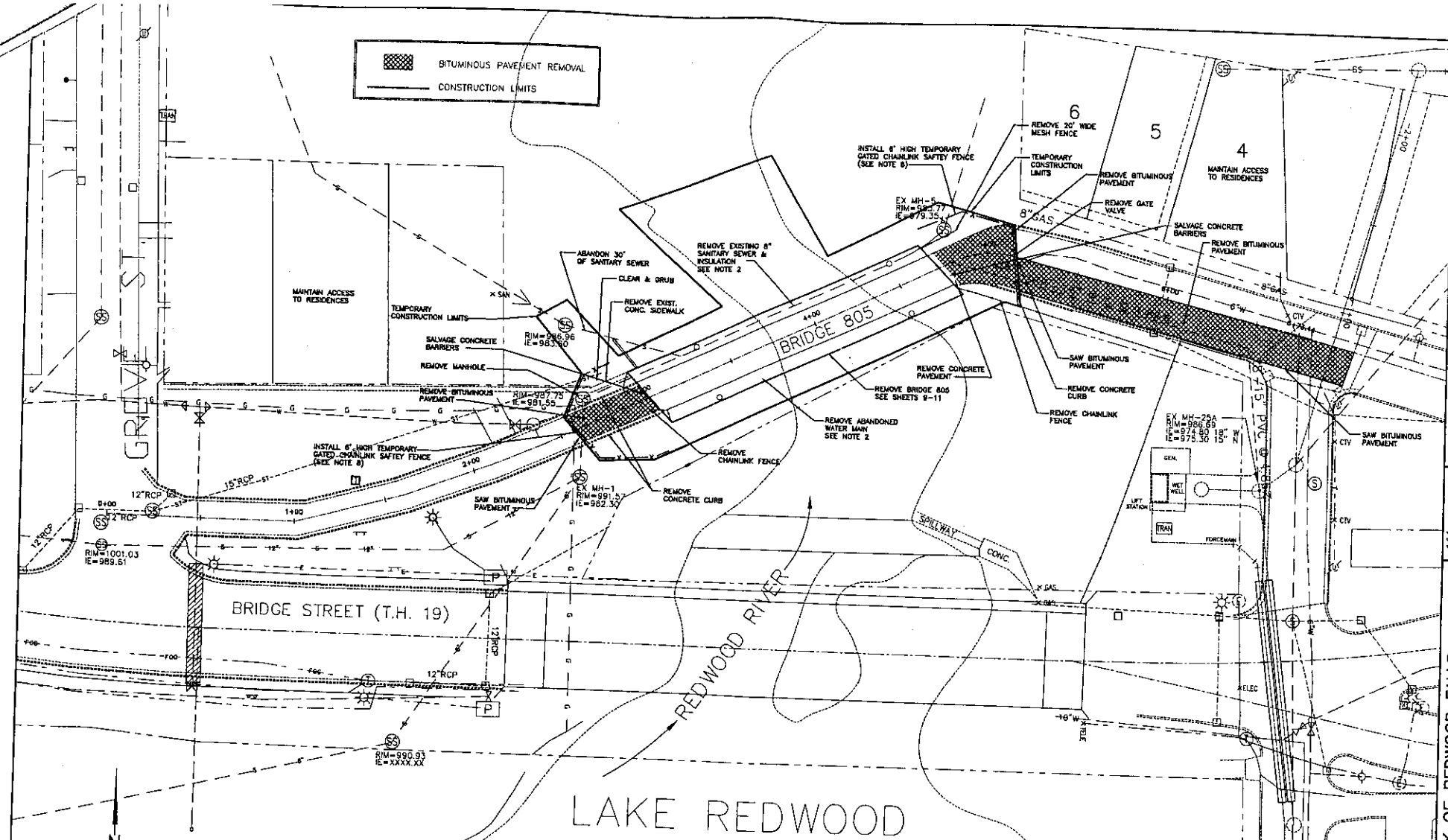
Website: www.bonestroo.com

CITY OF REDWOOD FALLS
DEMOLITION OF BRIDGE NO. 805
S.A.P. 207-080-02
TITLE SHEET

SHEET NUMBER
1 OF 17



GENERAL PLAN

NOTES:
1. ACCESS TO RESIDENCES MUST BE MAINTAINED.
2. THESE REMOVALS ARE INCIDENTAL TO THE REMOVAL OF BRIDGE 805
3. ALL EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO ANY REMOVAL WORK AND SHALL BE MAINTAINED UNTIL THE POTENTIAL FOR EROSION HAS BEEN ELIMINATED AS DETERMINED BY THE ENGINEER.
4. SAFETY FENCING AND BARRICADES SHALL BE INSTALLED AS REQUIRED TO MAINTAIN A SAFE WORK SITE
5. ALL MATERIALS REMOVED SHALL BE DISPOSED OF AT AN OFF-SITE LOCATION PROVIDED BY THE CONTRACTOR. SITE BURIAL OF ANY MATERIAL WILL NOT BE ALLOWED.
6. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION AND DEPTH OF ANY UTILITIES WITH THE APPROPRIATE COMPANY. LOCATIONS AND INFORMATION CAN BE OBTAINED BY CALLING GOPHER STATE ONE CALL AT 1-800-252-1166.
7. ALL TRAFFIC CONTROL DEVICES AND SIGNING SHALL CONFORM TO THE MNMUTCD, INCLUDING THE FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS DATED JANUARY 2001.
8. 6' HIGH CHAIN LINK FENCE IS INCIDENTAL TO BRIDGE REMOVAL.

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PRINT NAME: GARY W. MORREN
SIGNATURE:
DATE: LIC. NO. 25552

SURVEY
DRAWN PWH
DESIGNED KMV
APPROVED CMK
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PROJ. NO. 193-02-108

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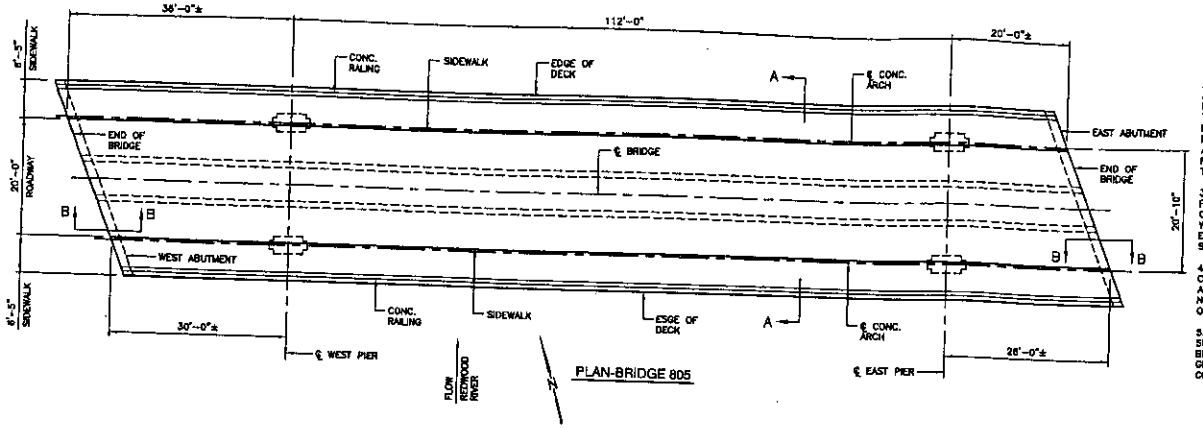
CITY OF REDWOOD FALLS
DEMOLITION OF BRIDGE 805
REMOVALS-SITE

19202108C001
SHEET NUMBER

SAP 207-080-02 7 of 17



PLAN-BRIDGE 805

BRIDGE REMOVAL NOTES:

1. DEMOLITION OF BRIDGE 805 SHALL INCLUDE REMOVAL OF ALL MATERIALS INCLUDING CONCRETE AND REINFORCEMENT USED TO CONSTRUCT THE BRIDGE. ITEMS INCLUDED IN THE REMOVAL, BUT NOT LIMITED TO, ARE BRIDGE ABUTMENTS, PIERS, DECK, RAILINGS, INSULATION, TIMBER, PIPING AND SUPPORTS. IN SOME CASES STEEL RODS WHERE USED TO SHALL BE PULLED OUT OR CUT FLUSH WITH LEDGE ROCK SURFACES. LEDGE ROCK SHALL NOT BE REMOVED OUTSIDE DESIGNATED AREAS. ALL DEMOLITION MATERIALS SHALL BE TAKEN TO A LEGAL DISPOSAL SITE.

2. THE EXISTING BRIDGE IS CONDEMNED AND IS UNSAFE FOR ALL VEHICLE OR INDIVIDUALS USE. THE CONTACTOR SHALL PLAN THE REMOVAL ACCORDINGLY AND USE EXTREME CAUTION TO PROTECT CONSTRUCTION WORKERS. TEMPORARY SECURITY FENCES SHALL BE IN PLACE AT ALL TIMES TO RESTRICT THE PUBLIC FROM GAINING ACCESS TO THE BRIDGE AND DEMOLITION AREA. DURING DEMOLITION THE CONTRACTOR IS RESPONSIBLE FOR WARNING AND ASSURING THE PUBLIC DOES NOT ACCESS THE AREA BELOW THE BRIDGE DURING THE DEMOLITION PERIOD.

3. THE CONTRACTOR SHALL SUBMIT A PLAN AT THE PRE-CONSTRUCTION MEETING WHICH IDENTIFIES THE METHODS OF REMOVAL, SEQUENCE OF EVENTS AND SCHEDULE OF WORK. WRITTEN AUTHORIZATION MUST BE OBTAINED FROM THE ENGINEER PRIOR TO ANY DEVIATION FROM THE AUTHORIZED SEQUENCE OF REMOVAL.

4. THE USE OF EXPLOSIVES SHALL NOT BE AUTHORIZED. THE CONTRACTOR SHALL WORK CLOSELY WITH THE CITY AND ADJACENT LANDOWNERS TO MAKE CERTAIN THAT DAMAGE DOES NOT OCCUR TO CITY AND PRIVATE PROPERTIES AS A RESULT OF REMOVAL PRACTICES.

5. ALL CLEARING AND GRUBBING REQUIRED TO REMOVE BRIDGE SUBSTRUCTURES, OR AS DIRECTED BY THE ENGINEER TO BLEND GRADES IN THIS AREA SMOOTHLY TO SURROUNDING GROUND IS CONSIDERED INCIDENTAL TO THE BRIDGE REMOVAL CONTRACT.

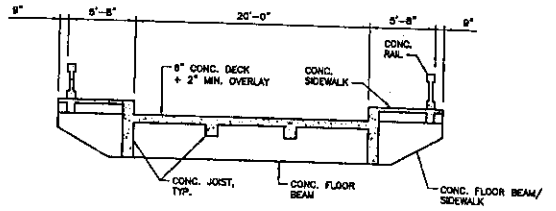
6. THE CONTRACTOR SHALL BE AWARE OF DEPARTMENT OF NATURAL RESOURCES AND U.S. ARMY CORPS OF ENGINEERS AND OTHERS MAY ISSUE PERMITS AND IMPOSE SPECIAL REQUIREMENTS FOR WORKING OVER THIS WATERWAY. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS, REGULATIONS, AND PERMIT REQUIREMENTS THAT CONTROL THE PREVENTION OF DAMAGE TO THE ENVIRONMENT.

7. EXTREME CARE SHALL BE TAKEN TO MINIMIZE DEBRIS AND THE DISTURBANCE OF THE WATERWAY. ALL CONCRETE REINFORCEMENT, METALS AND PIPING SHALL BE ENTIRELY REMOVED FROM THE SITE. CONCRETE DEMOLITION MATERIAL 4-INCHES IN DIAMETER AND LARGER MUST BE REMOVED FROM THE GROUND, LEDGE ROCK SLOPES AND WATERWAY. THE CONTRACTOR MAY NOT OPERATE EQUIPMENT ON THE RIVERBED OF THE REDWOOD RIVER.

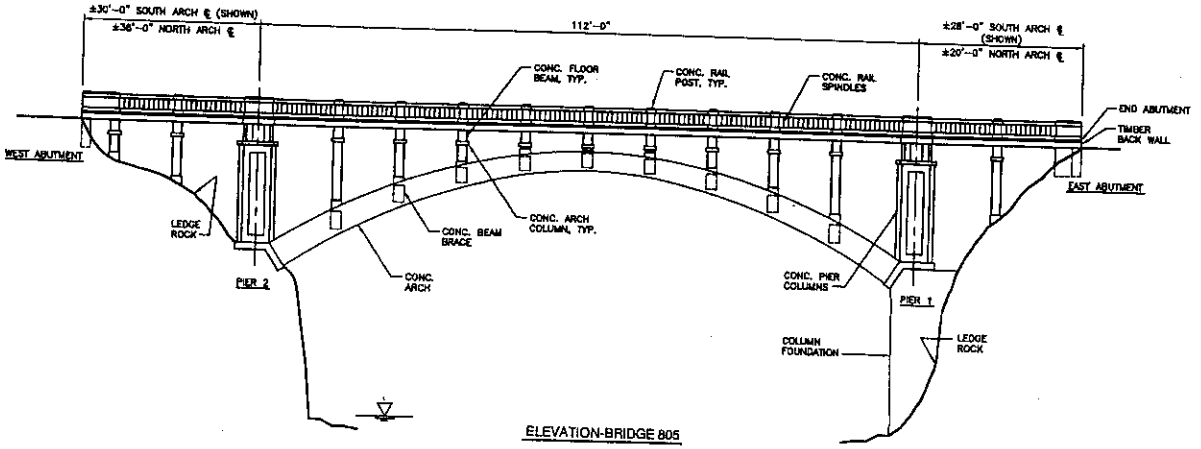
8. DIRT, DUST AND CONSTRUCTION PARTICLES ACCUMULATION IN THE WORK AREA DURING STRUCTURE REMOVAL SHALL BE REMOVED FROM THE SITE AT SUCH INTERVALS AS DIRECTED BY THE ENGINEER TO PRECLUDE ANY CONTAMINATION OF THE RIVER.

9. THE ENGINEER ESTIMATES THAT APPROXIMATELY 500 CUBIC YARDS OF IN-PLACE CONCRETE SHALL BE REMOVED. THIS QUANTITY IS BASED ON LIMITED FIELD MEASUREMENTS SINCE COMPLETE ORIGINAL PLANS ARE NOT AVAILABLE. THIS QUANTITY IS ONLY PRESENTED AS AN AID TO THE CONTRACTOR AND THE ENGINEER ASSUMES NO RESPONSIBILITY FOR VOLUME OF CONCRETE MATERIALS TO BE REMOVED. IF EXACT QUANTITIES NEED TO BE KNOWN THE CONTRACTOR SHALL MAKE THEIR OWN FIELD MEASUREMENTS AND CALCULATIONS.

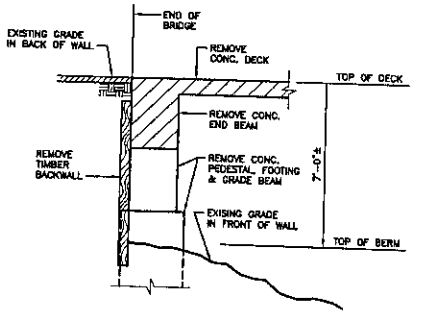
10. DRAWINGS ARE NOT TO SCALE. DIMENSIONS SHOWN ARE ROUGH FIELD MEASUREMENTS TAKEN FOR THE PURPOSE OF ILLUSTRATING GENERAL BRIDGE INFORMATION. THE CONTRACTOR SHALL VISIT THE SITE TO VERIFY BRIDGE ELEMENTS, LAYOUT AND DIMENSIONS IF NECESSARY.



TRANSVERSE SECTION A-A



ELEVATION-BRIDGE 805



EXISTING BRIDGE END WALL SECTION B-B

SAP 207-080-02

CITY OF REDWOOD FALLS
DEMOLITION OF BRIDGE 805
REMOVALS-BRIDGE

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PRINT NAME: CHRIS M. SPRINGER

SIGNATURE: _____ DATE: _____ LIC. NO. 23553

SURVEY	
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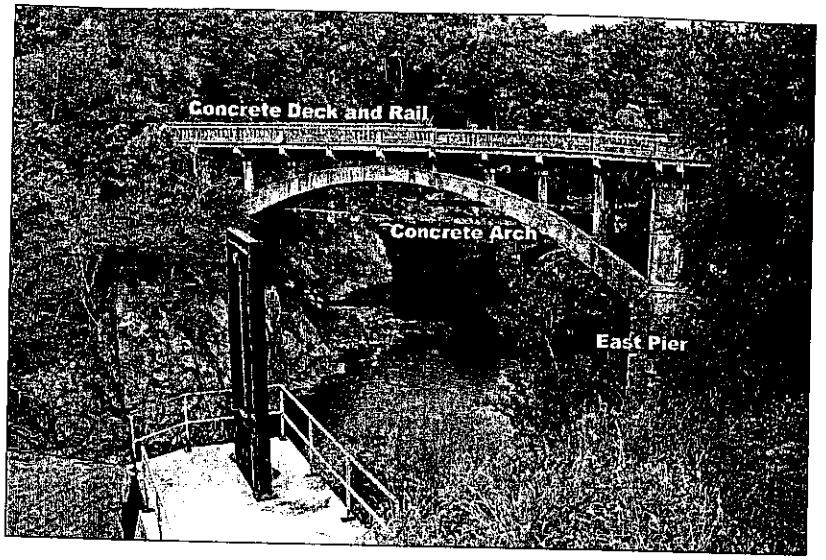
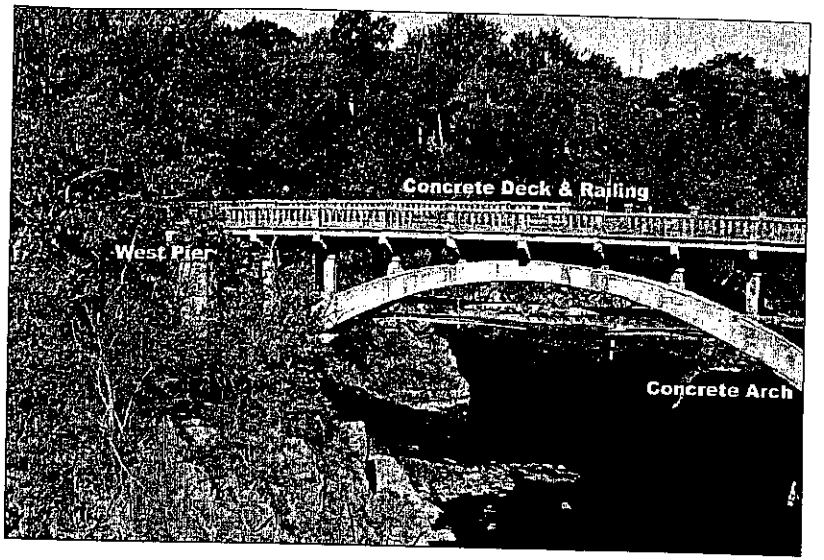
DESIGNED	KAW
APPROVED	CMS
DATE	
PROJ. NO.	143-49-108

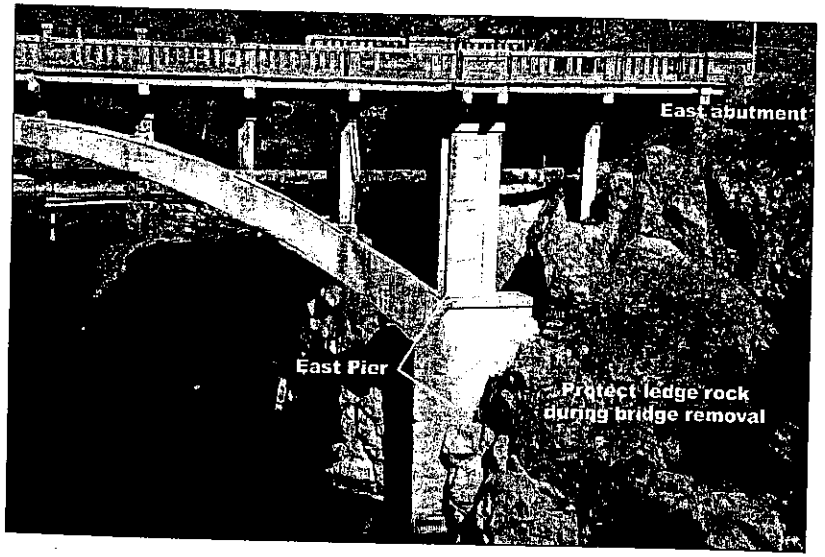
19302106508
SHEET NUMBER



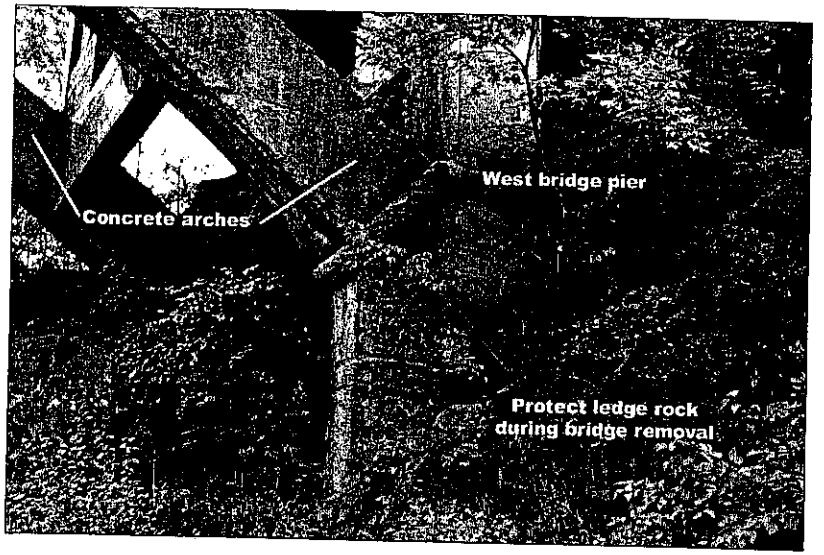
BRIDGE CENTER SPAN
(VIEW LOOKING NORTH)



BRIDGE CENTER SPAN/WEST PIER
(VIEW LOOKING NORTH)



BRIDGE EAST PIER/EAST ABUTMENT
(VIEW LOOKING NORTH)



BRIDGE WEST PIER
(VIEW LOOKING SOUTH)

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PRINT NAME: GARY W. MOREN
SIGNATURE:
DATE: LIC. NO. 25552

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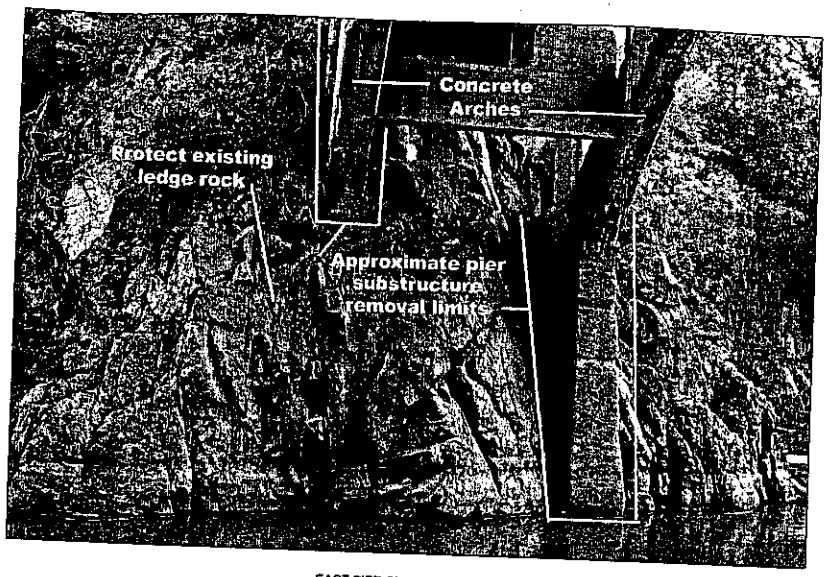
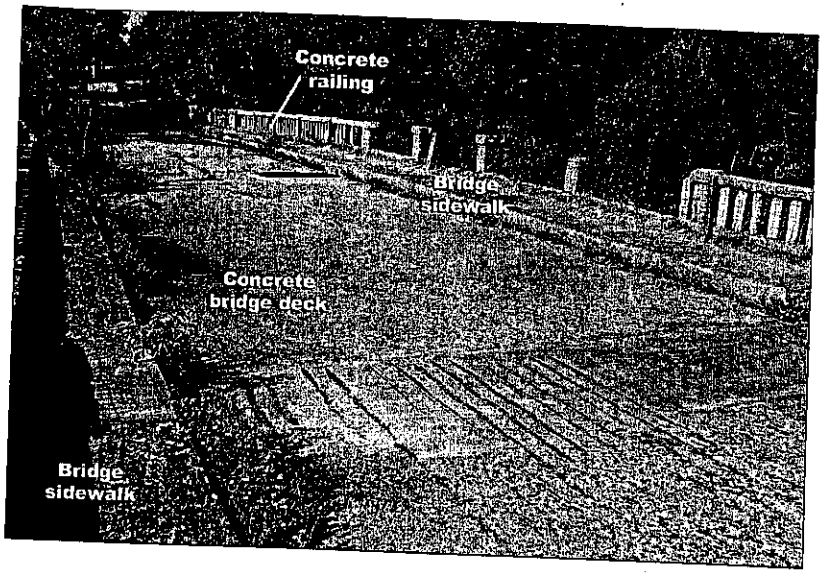
CITY OF REDWOOD FALLS
DEMOLITION OF BRIDGE 805
EXISTING BRIDGE CONDITIONS

19302108509
SHEET NUMBER

SAP 207-080-02 | 9 of 17



EAST PIER SUBSTRUCTURE
(VIEW LOOKING EAST)



BRIDGE DECK
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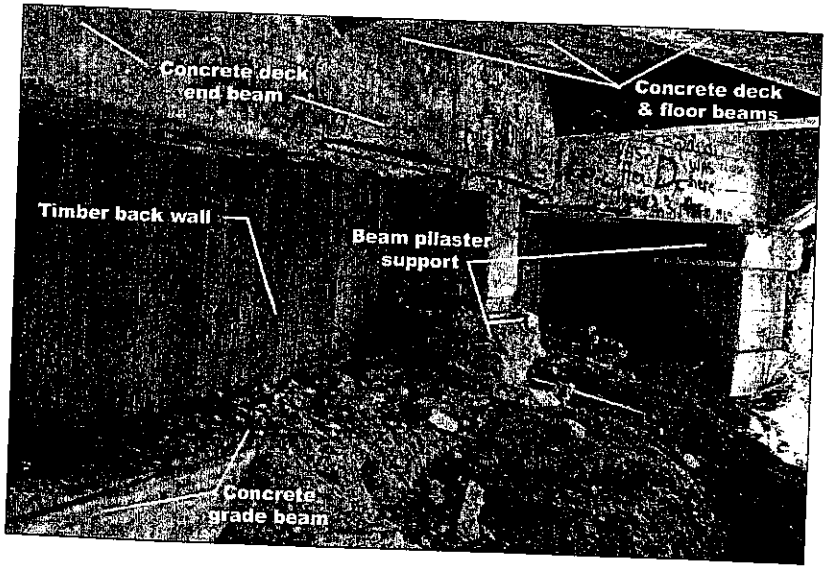

BRIDGE ABUTMENT/END WALL
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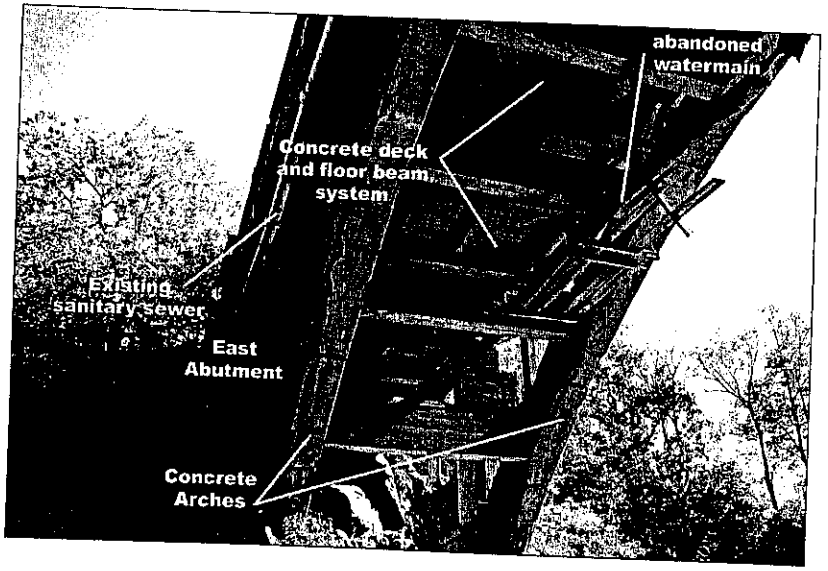

BRIDGE UNDERSIDE
(VIEW LOOKING EAST)

CITY OF REDWOOD FALLS
DEMOLITION OF BRIDGE 805
EXISTING BRIDGE CONDITIONS

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SIGNATURE:
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DRAWN PHH
DESIGNED KAV
APPROVED GWM
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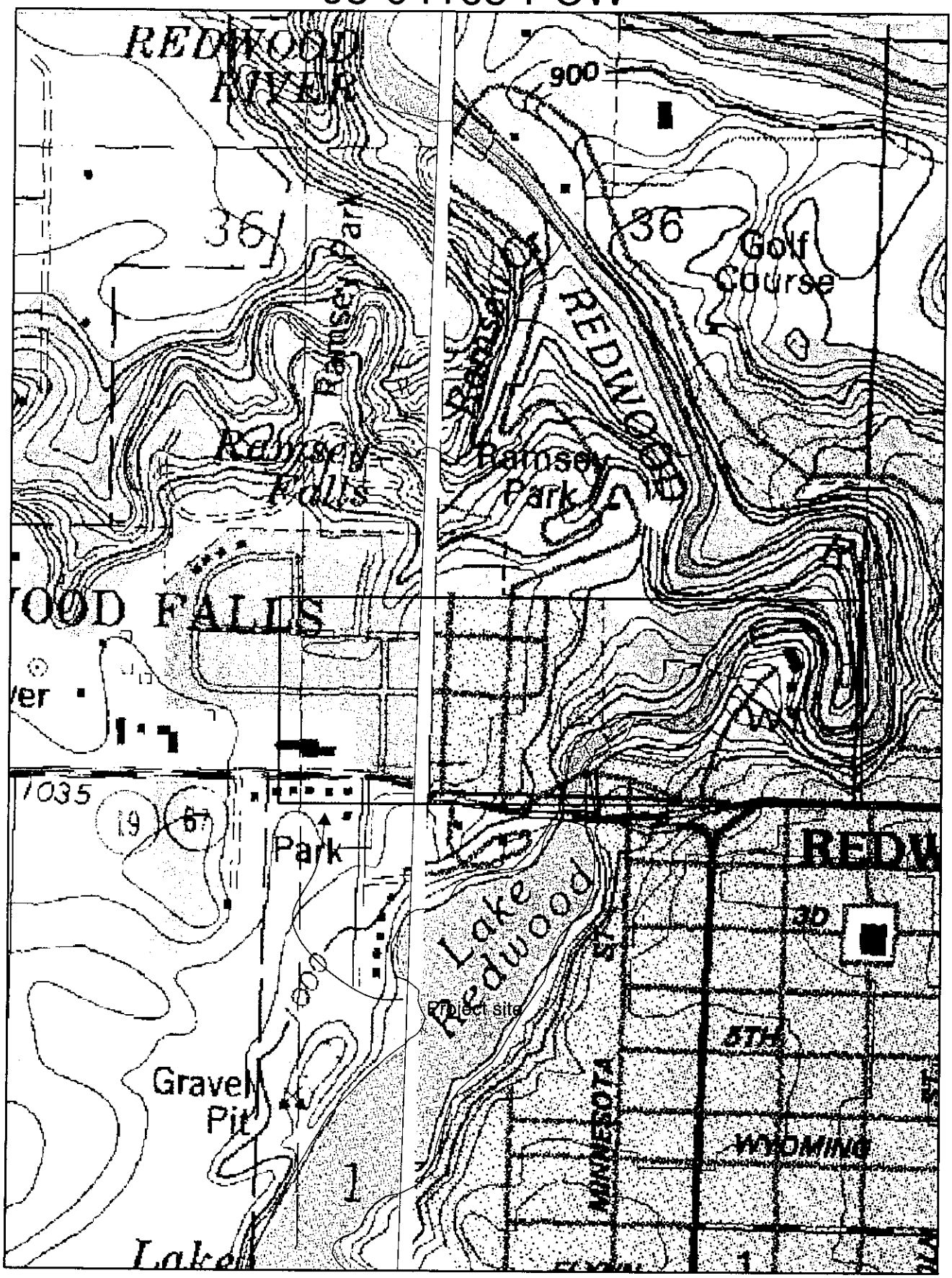
PROJ. NO. 193-02-108
193021085-D
SHEET NUMBER

City of Redwood Falls utility site
03-04165-PCW