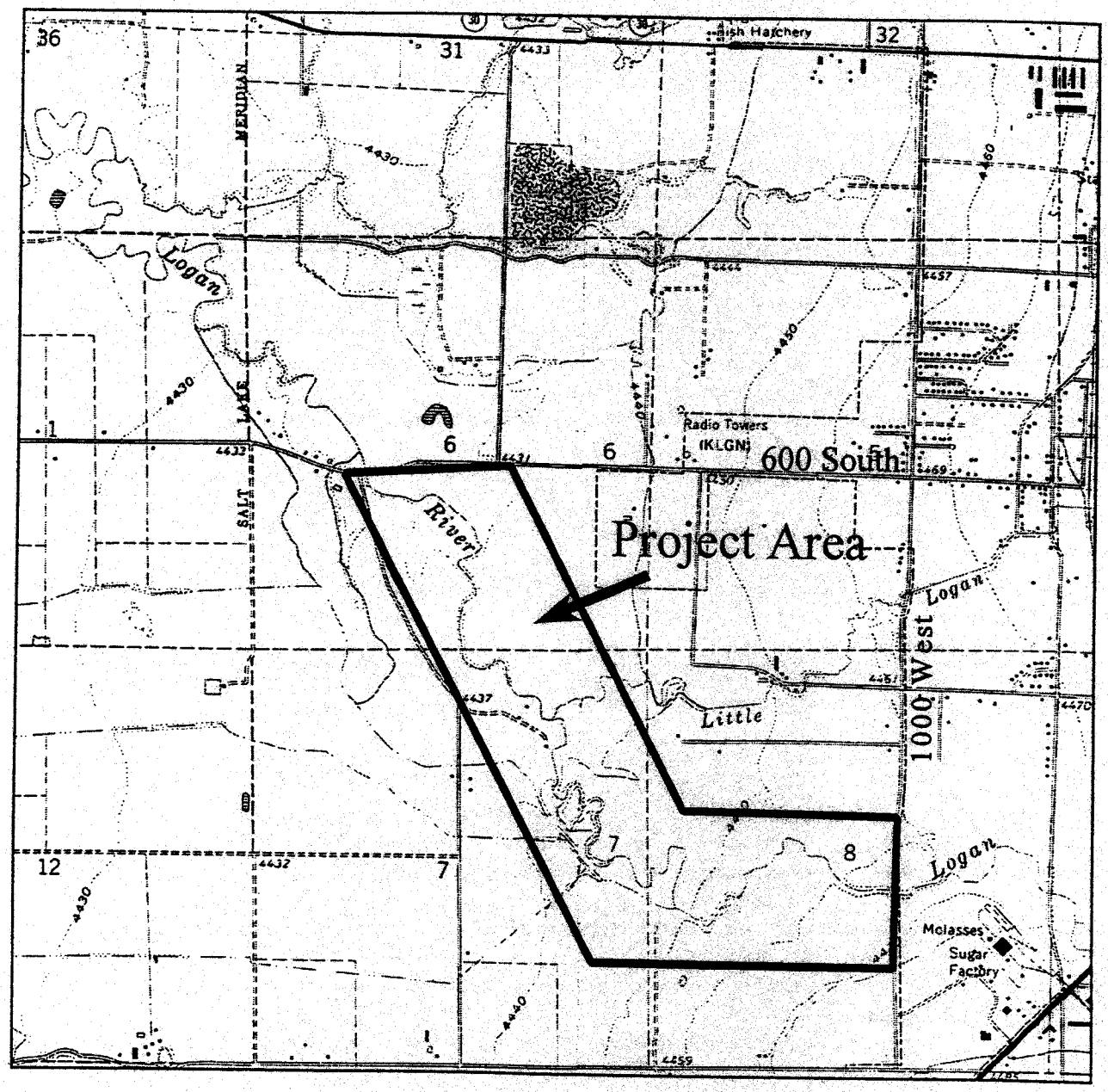


Figure 1. Project area location for the Logan River Recreation Trail, Logan, Cache County, Utah.

PROJECT MAP FOR LOGAN RIVER TRAIL

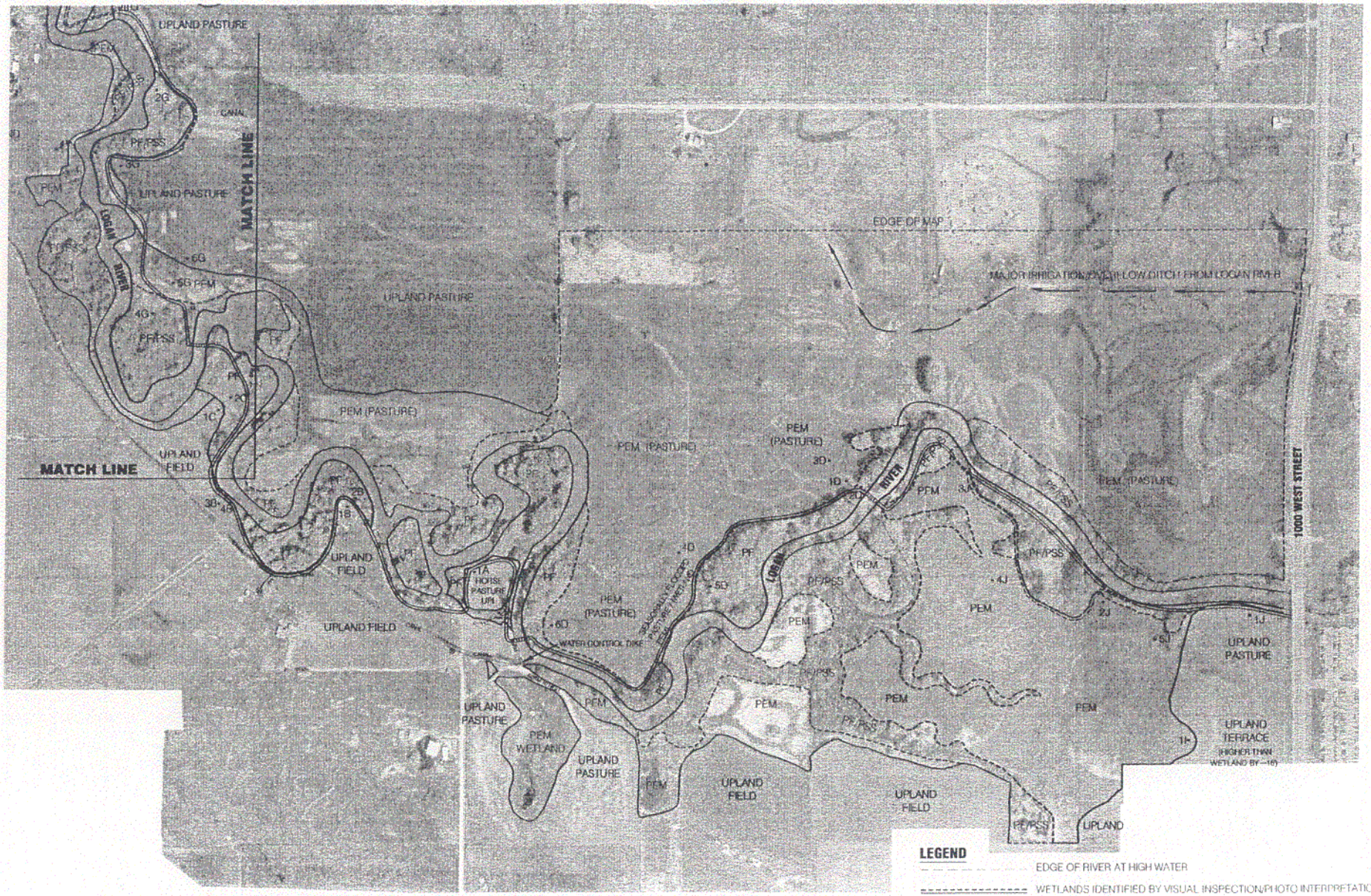


Figure 2. Proposed recreation trail design and location of delineated wetland boundaries.

TRAIL IMPACT ACREAGE (13 foot wide trail)

PEM	22,882.6 SQ FT (0.53 ACRES)
PF/PSS	31,981.0 SQ FT (0.73 ACRES)
----	BOARD WALKS
▥	BRIDGE
═══	PROPOSED TRAIL

N

LEGEND

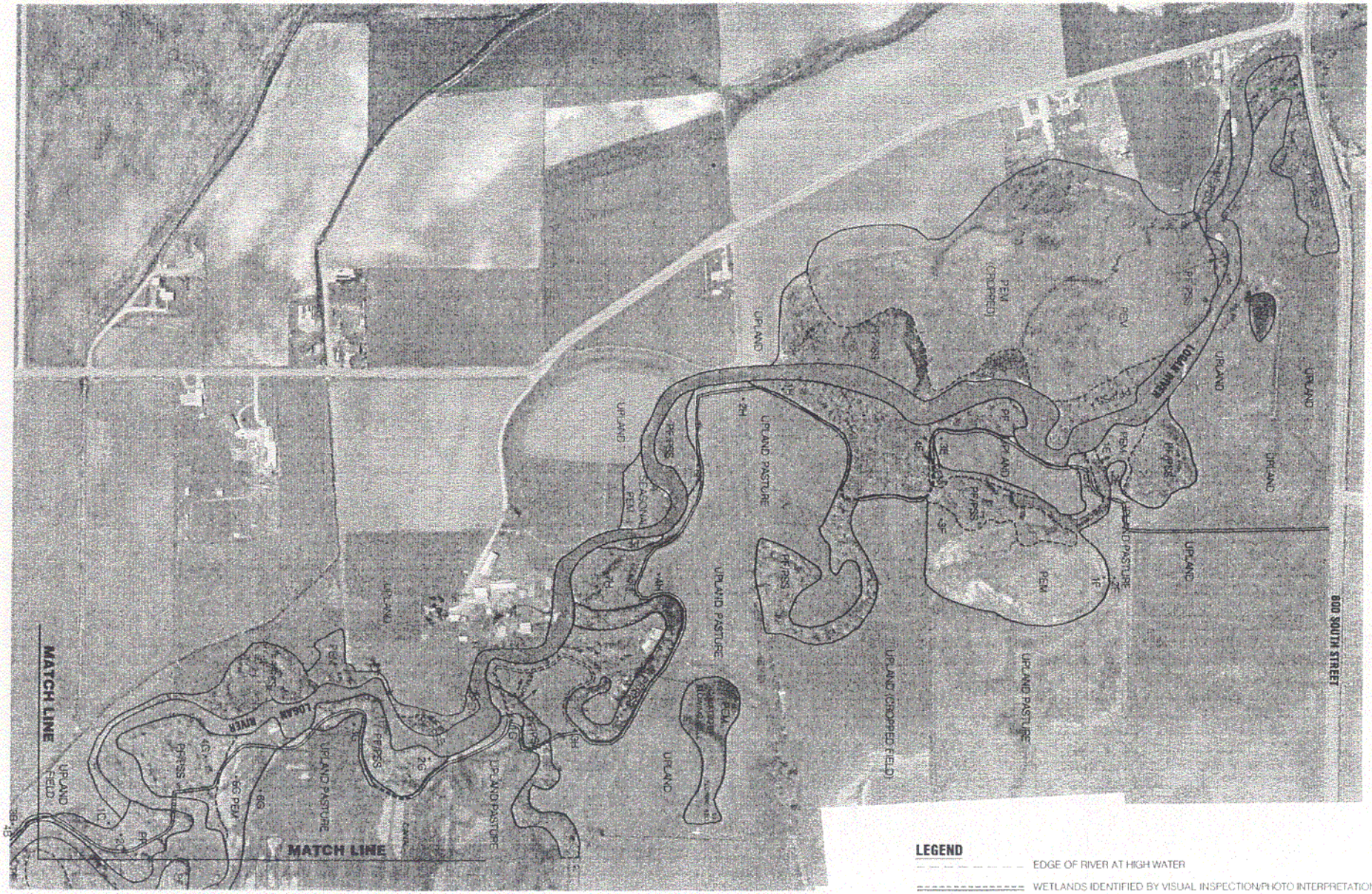
·····	EDGE OF RIVER AT HIGH WATER
═══	WETLANDS IDENTIFIED BY VISUAL INSPECTION/PHOTO INTERPRETATION
═══	WETLAND BOUNDARIES IDENTIFIED BY FIELD INSPECTION
1A, 2A etc	SAMPLE POINTS
PF	PALUSTRINE FOREST
PSS	PALUSTRINE SCRUB/SHRUB
PEM	PALUSTRINE EMERGENT
⊗	WELLS OBSERVED

LOGAN CITY - PARK and RECREATION

Project Map

SHEET 2a

PROJECT MAP FOR LOGAN RIVER TRAIL


800 SOUTH STREET
UPLAND
UPLAND PASTURE
UPLAND CROPPED FIELD
PEM (CROPPED)
PEM
PF/PSS
PSS
PF
UPLAND PASTURE
UPLAND
LOGAN STREET
UPLAND PASTURE
UPLAND
PF/PSS
PEM
UPLAND PASTURE
UPLAND
PF/PSS
PEM
UPLAND
PF/PSS
PEM
UPLAND
PF/PSS
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PF/PSS
PEM
UPLAND
PF/PSS
PEM

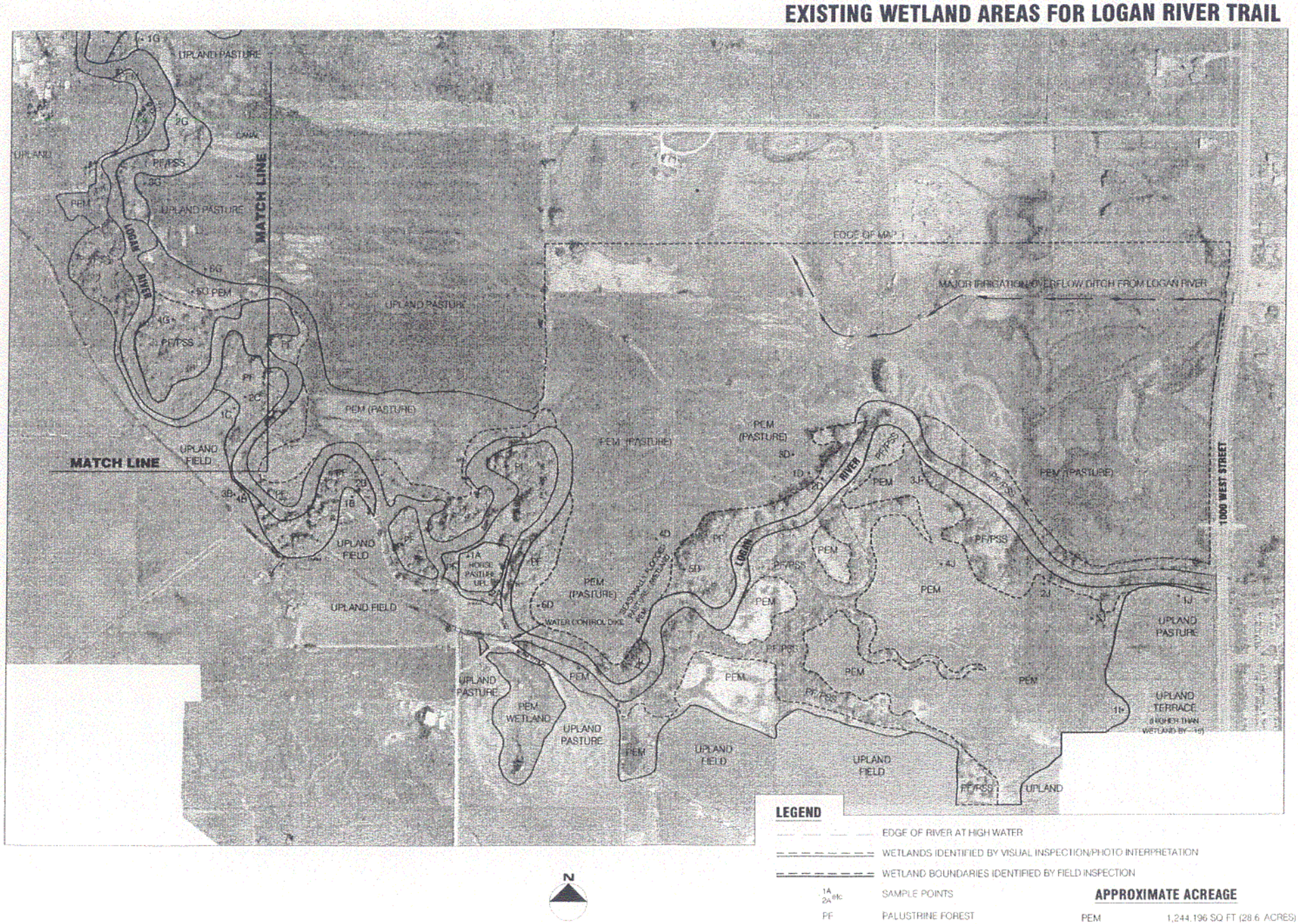


Figure 3. Location of existing wetlands along the Logan River between 1000 West and 600 South, Logan, Cache County, Utah.

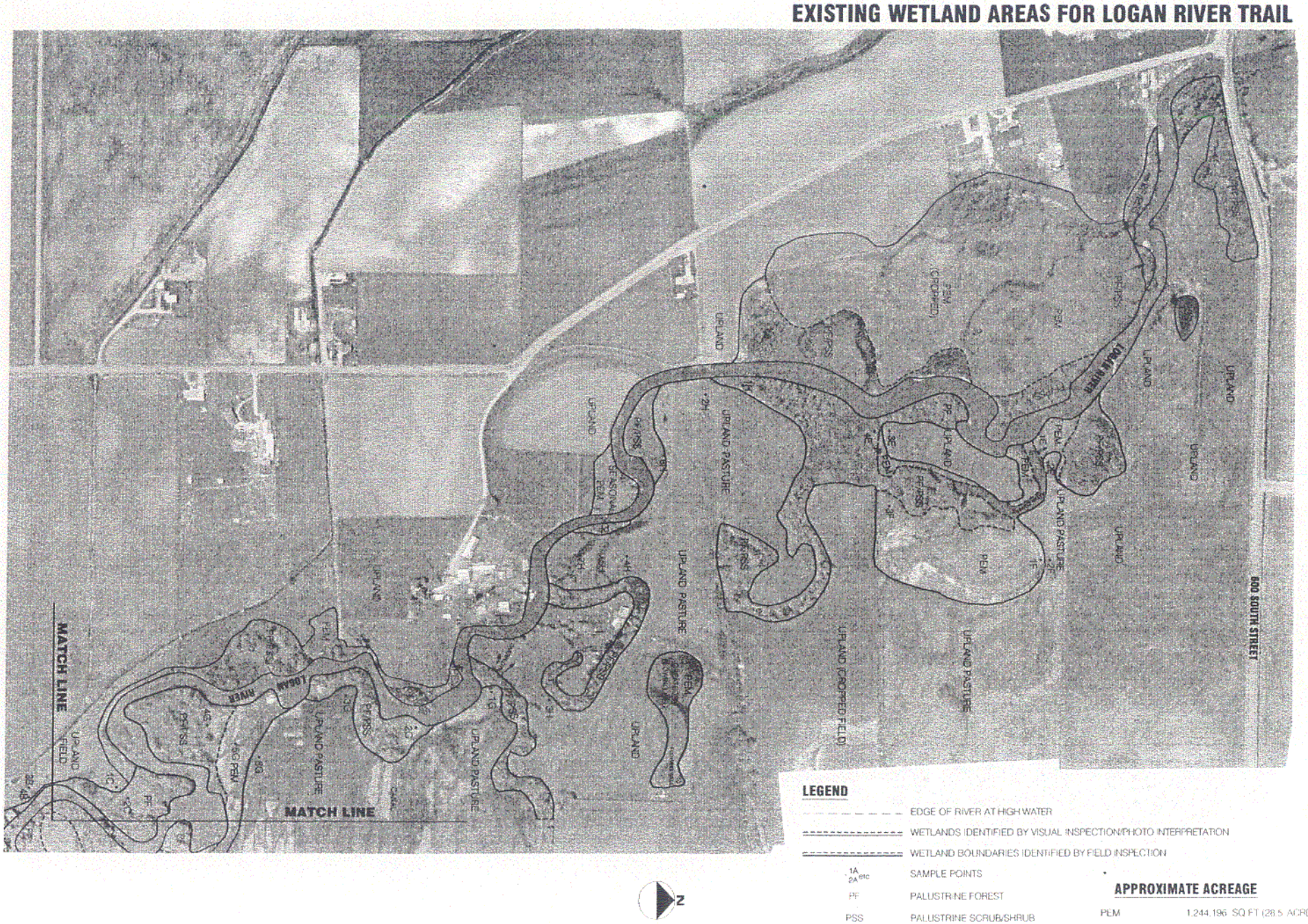


Figure 3 (cont.). Location of existing wetlands along the Logan River between 1000 West and 600 South, Logan, Cache County, Utah.

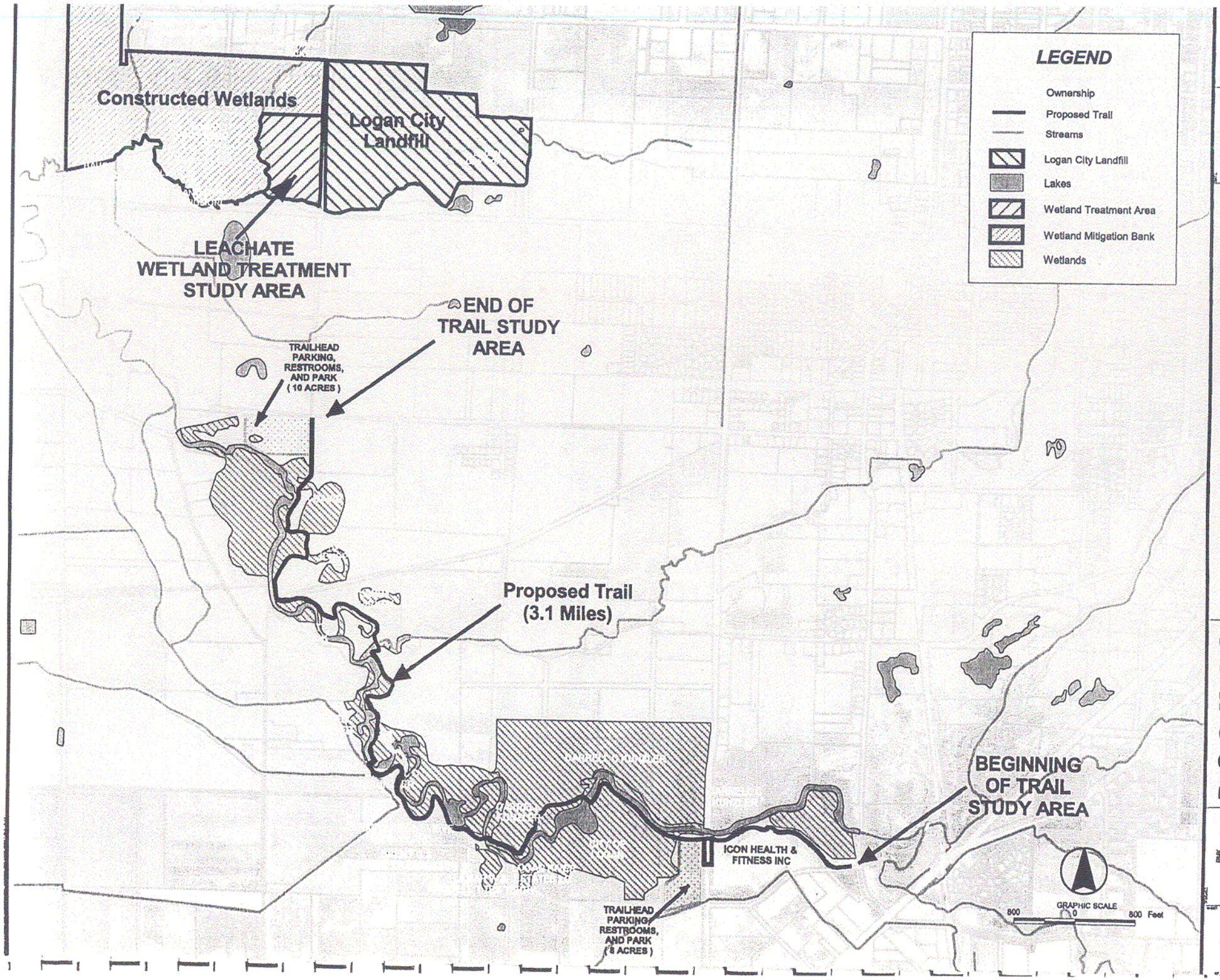


Figure 4

200150003

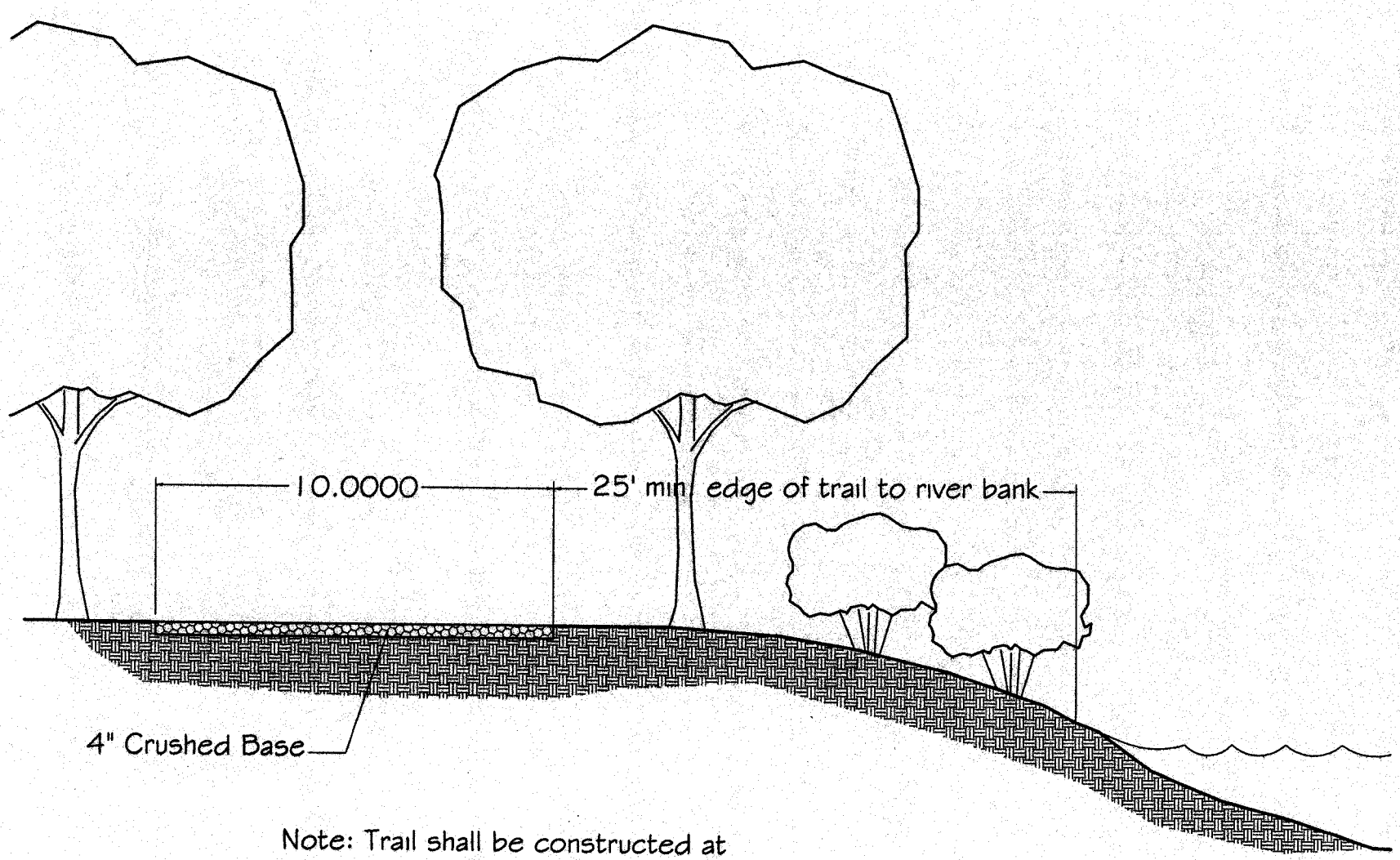
PROPOSED MITIGATION AREAS FOR LOGAN RIVER TRAIL

Figure 5. Proposed enhancement areas along the Logan River Recreation Trail between 1000 West and 600 South, Logan, Cache County, Utah.

LOGAN CITY - PARK and RECREATION
RECREATION TRAIL ALONG LOGAN RIVER
BETWEEN 1000 WEST STREET & 600 SOUTH STREET

Proposed Mitigation Areas
For Logan River Trail

SHEET 5a



Note: Trail shall be constructed at grade.

CITY OF LOGAN, UTAH
QUALITY OF LIFE AND PROGRESS

Section - Logan River Trail
Logan, Utah

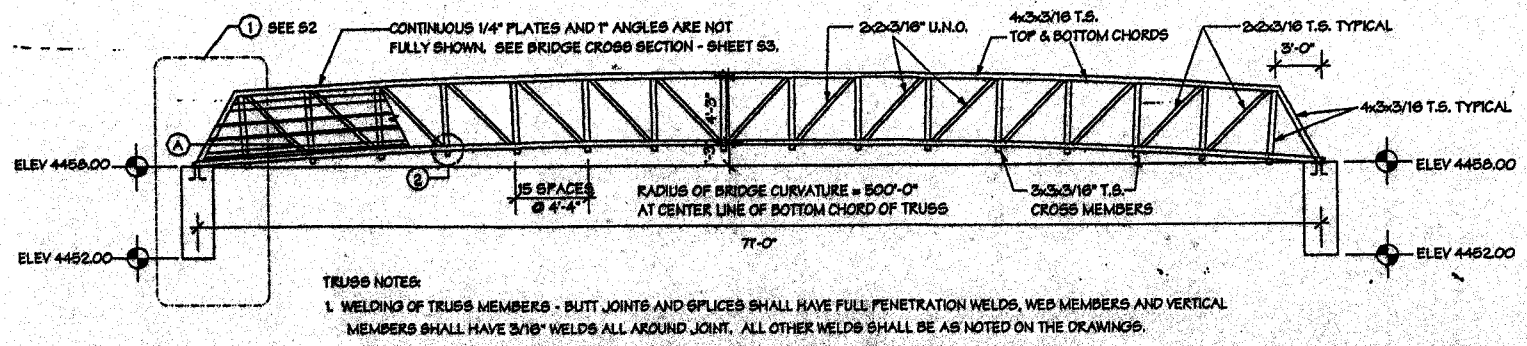
L·O·G·A·N
PARKS AND RECREATION
185 South 100 West 716-9250

Drawn by: DBH

Date: 8/12/2002

Page: 1 of 1

Figure 6 200150003

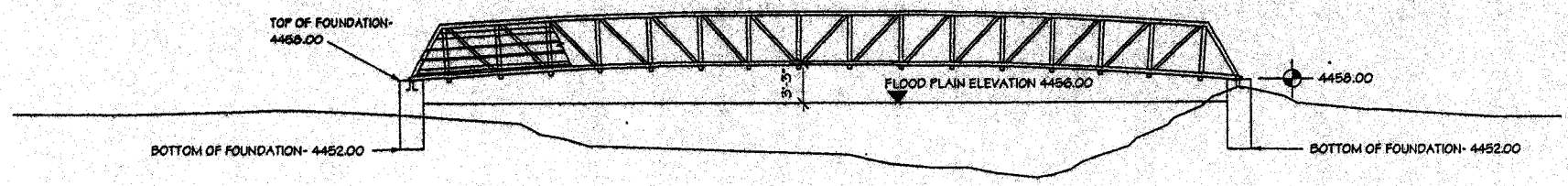


TRUSS NOTES:

1. WELDING OF TRUSS MEMBERS - BUTT JOINTS AND SPLICES SHALL HAVE FULL PENETRATION WELDS, WEB MEMBERS AND VERTICAL MEMBERS SHALL HAVE 3/16" WELDS ALL AROUND JOINT. ALL OTHER WELDS SHALL BE AS NOTED ON THE DRAWINGS.

ELEVATION- LOGAN RIVER RECREATION BRIDGE #1

SCALE: 1/8" = 1'-0"



LOGAN RIVER RECREATION BRIDGE #1 PROFILE

SCALE: 1" = 10'

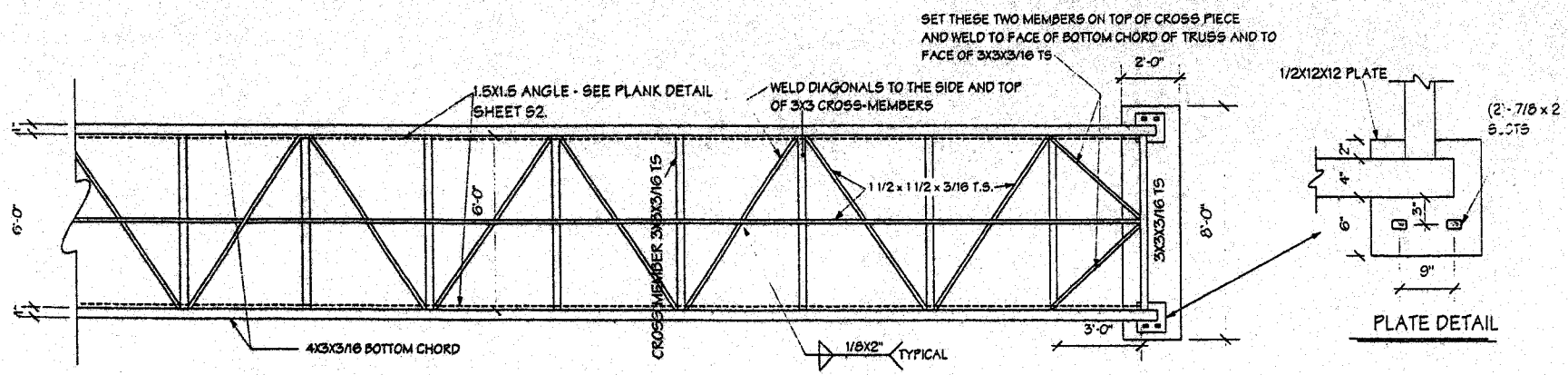


PLATE DETAIL

PLAN A

SCALE: 1/4" = 1'-0"

INTERMOUNTAIN BUILDING INC.

137 SOUTH 300 EAST
HYRUM, UT 84319
(435)245-3990
(435)245-3664 FAX
lsolsen2@home.com

LARRY S. OLSEN, P.E.

Logan River Recreation Bridge #1

10th West
Logan, Utah

CONTRACTOR:

BRIDGE PLAN/ELEV

SCALE: SEE DRAWING

DATE: 12/12/2001

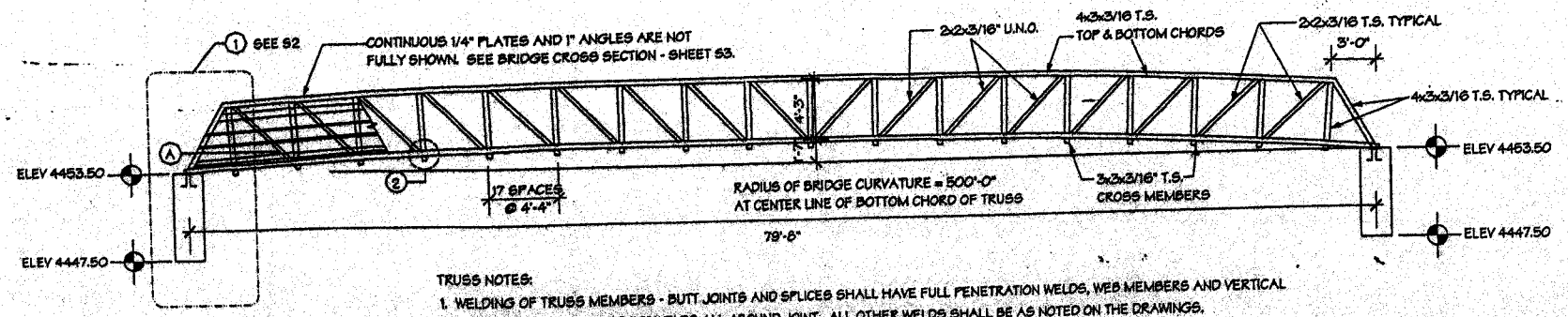
REVISIONS:
12/15/2001

Logan River Rec Bridge.mcd

S1

Figure 7-1

200150003



TRUSS NOTES:

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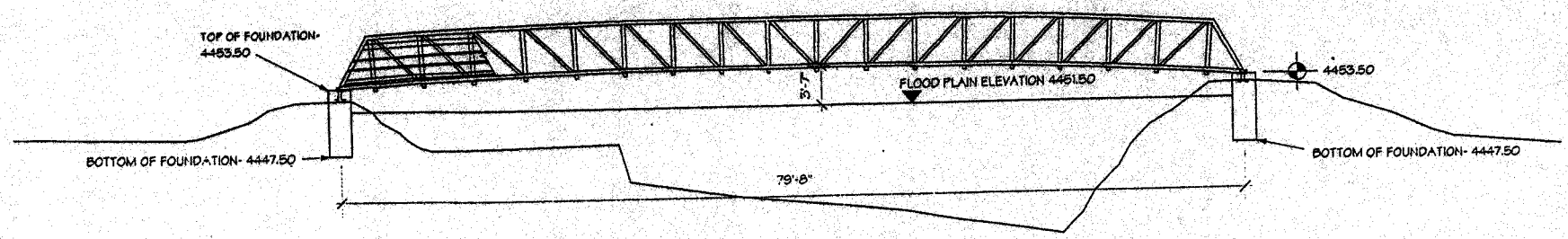
ELEVATION- LOGAN RIVER RECREATION BRIDGE #2

SCALE: 1/8" = 1'-0"



LOGAN RIVER RECREATION BRIDGE #2 PROFILE

SCALE: 1" = 10'

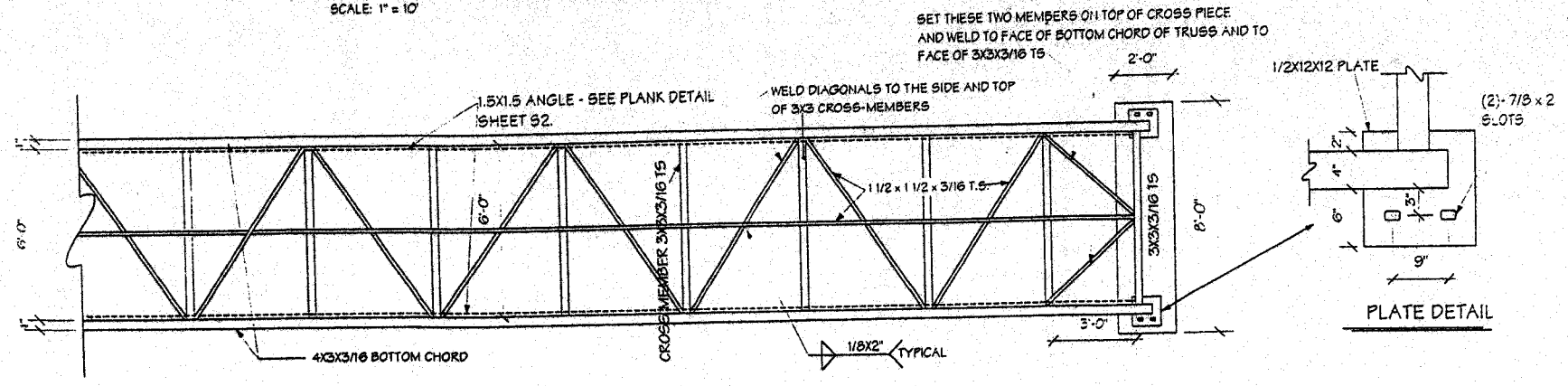


PLATE DETAIL

PLAN A

SCALE: 1/4" = 1'-0"

INTERMOUNTAIN BUILDING INC.

137 SOUTH 300 EAST
HYRUM, UT 84319
(435)245-3660
(435)245-3664 FAX
lsolsen2@homs.com

LARRY S. OLSEN, P.E.

Logan River Recreation Bridge #2

10th West
Logan, Utah

CONTRACTOR:

BRIDGE PLAN/ELEV

SCALE: SEE DRAWING

DATE: 12/12/2001

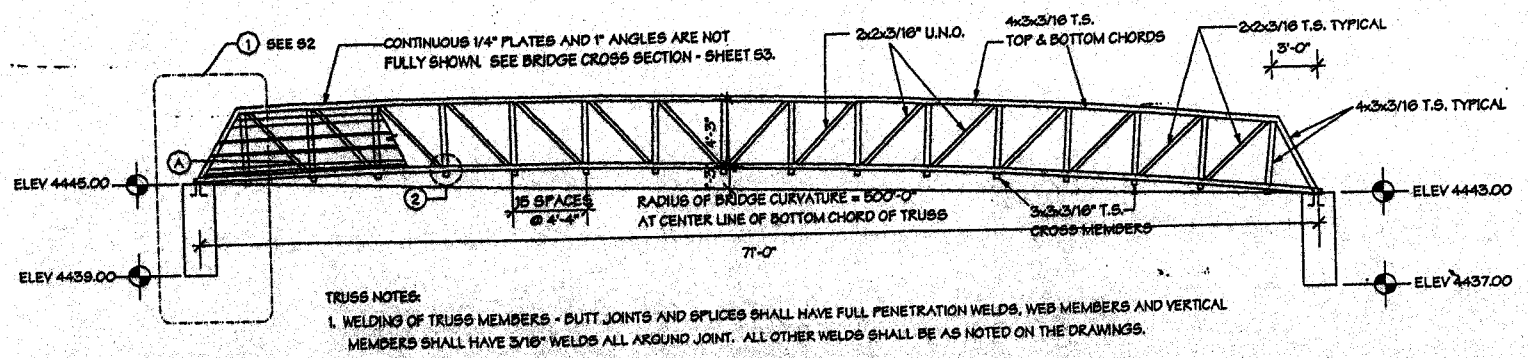
REVISIONS:
12/15/2001

Logan River Rec Bridge.mcs

S2

Figure 7-2

200150003



TRUSS NOTES:

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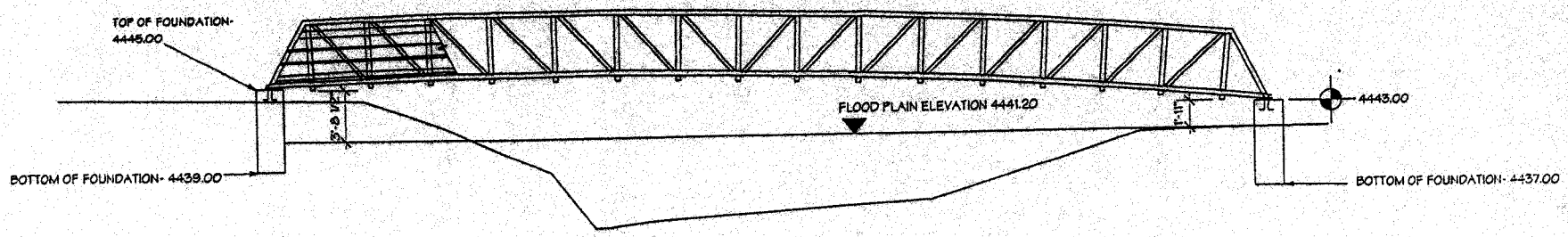
ELEVATION- LOGAN RIVER RECREATION BRIDGE #3

SCALE: 1/8" = 1'-0"



LOGAN RIVER RECREATION BRIDGE #3 PROFILE

SCALE: 1/8" = 1'-0"

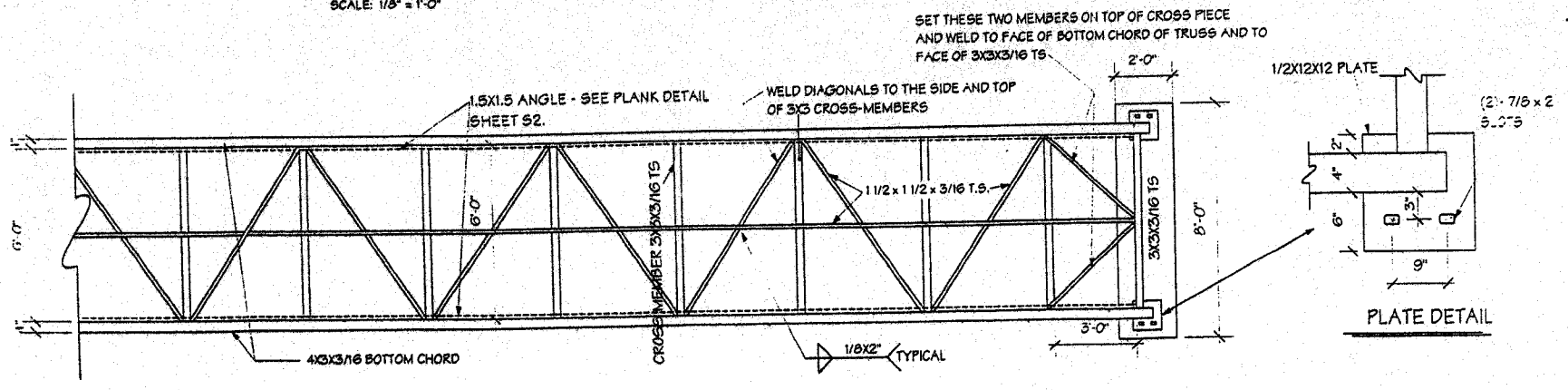


PLATE DETAIL

PLAN A

SCALE: 1/4" = 1'-0"

INTERMOUNTAIN BUILDING INC.

157 SOUTH 300 EAST
HYRUM, UT 84319
(435)245-3660
(435)245-3664 FAX
lsolsen2@xmtn.com

LARRY S. OLSEN, P.E.

Logan River Recreation Bridge #3

10th West
Logan, Utah

CONTRACTOR:

BRIDGE PLAN/ELEV

SCALE: SEE DRAWING

DATE: 1/19/2002

REVISIONS:
1/19/2002

Logan River Rec Bridge.mcd

S3

Figure 7-3

200150003

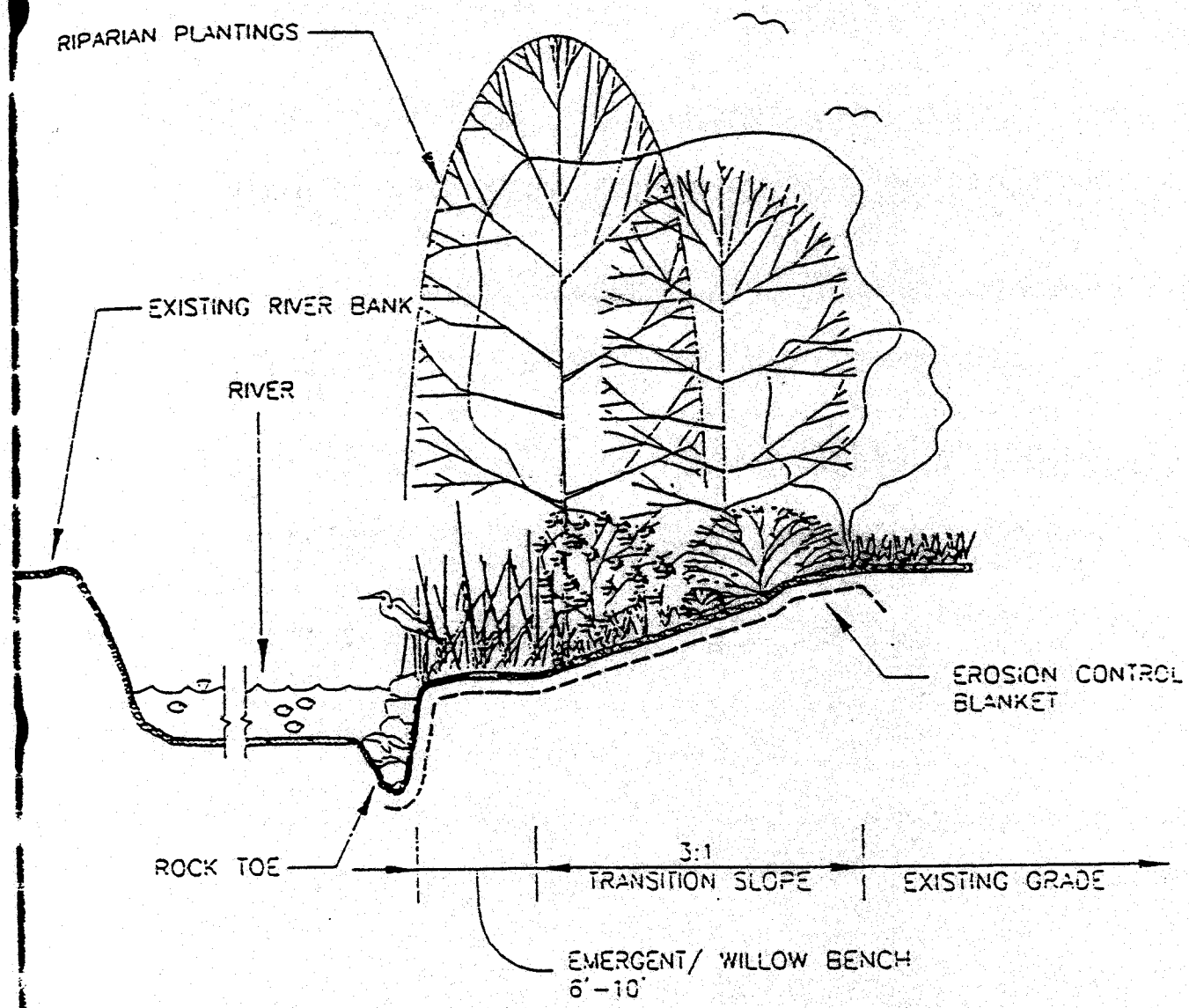
Table 1. **Summary of existing wetlands, relative functions and values, anticipated wetland impacts, and proposed mitigation.**

Wetland type	Functions and value	Relative impact to functions	Acreage of impact	Target Functions and Value with Enhancement Effort	*Acreage Enhanced
Palustrine forest and scrub/shrub	wildlife habitat : low to moderate . . .	minimal	0.70 acre	wildlife habitat : moderate to high	2.1 acres
	recreation : low	none		recreation : high	
	heritage : low	none		heritage : high	
	floodwater storage : moderate to high	none		floodwater storage : moderate to high	
	water quality enhancement : low	none		water quality enhancement : moderate	
Palustrine emergent	wildlife habitat : low	minimal	0.50 acre	wildlife habitat : moderate to high	1.5 acre
	recreation : low	none		recreation : high	
	heritage : low	none		heritage : high	
	floodwater storage : moderate	minimal		floodwater storage : moderate	
	water quality enhancement : low	none		water quality enhancement : moderate	

* Minimum acreage required for mitigation. Actual acreage of enhancement will probably be greater. In addition, approximately 1,200' of river bank is proposed to be stabilized.

Figure 8

200150003



Bench Bank Restoration Figure 9