Information for File # MVP-2005-1114-BAJ

Applicant Rice County Highway Department

Corps Contact Bradley A. Johnson

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Phone (651) 290-5250

Primary County Rice County

Section 23 and 24

Township 111 North

Range 19 West

Information Complete On February 11, 2005

Posting Expires On April 2, 2005

Authorization Type LOP D

Project Reconstruction of CSAH 31from TH 246 to East County Line near the town of Dennison.

PROJECT DESCRIPTION AND PURPOSE:
The project will involve reconstruction of about 1.9 miles of CSAH 31 to upgrade the road to current safety standards. This will involve the replacement of three structurally deficient bridges, and an increase in traffic lane widths and shoulder widths. The road is 50-years old and is used as an east-west truck route.

NAME, AREA AND TYPES OF WATERS (INCLUDING WETLANDS) SUBJECT TO LOSS:
The project will impact a total of 2.919 acres of wetland at 14 different locations. Most of the wetland locations are adjacent to three streams that the road crosses. These stream crossings are the locations for the bridge replacements. A total of about 200-feet of shoreline along Prairie Creek and two other unnamed streams will be affected.

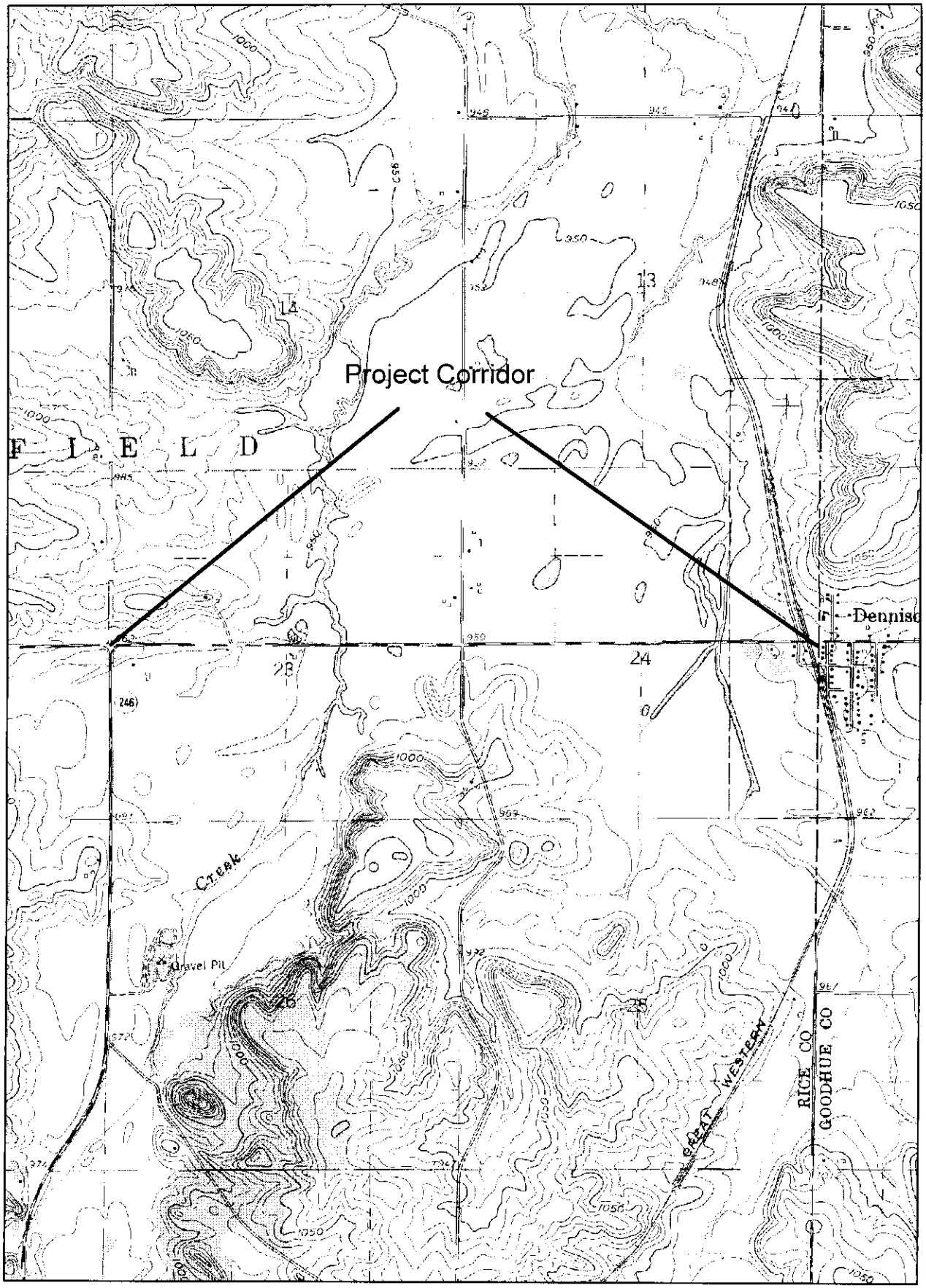
Of the 2.919 acres of wetland that will be affected by the project; 2.617 acres in eight locations are shallow marsh dominated by sedges and reed canary grass, four locations totaling 0.177 acres are forested and dominated by boxelder with some silver maple, one is a 0.037 acre scrub-shrub wetland dominated by black willow, and another is about 0.088 acres of seasonally inundated wetland dominated by sedge and reed canary grass.

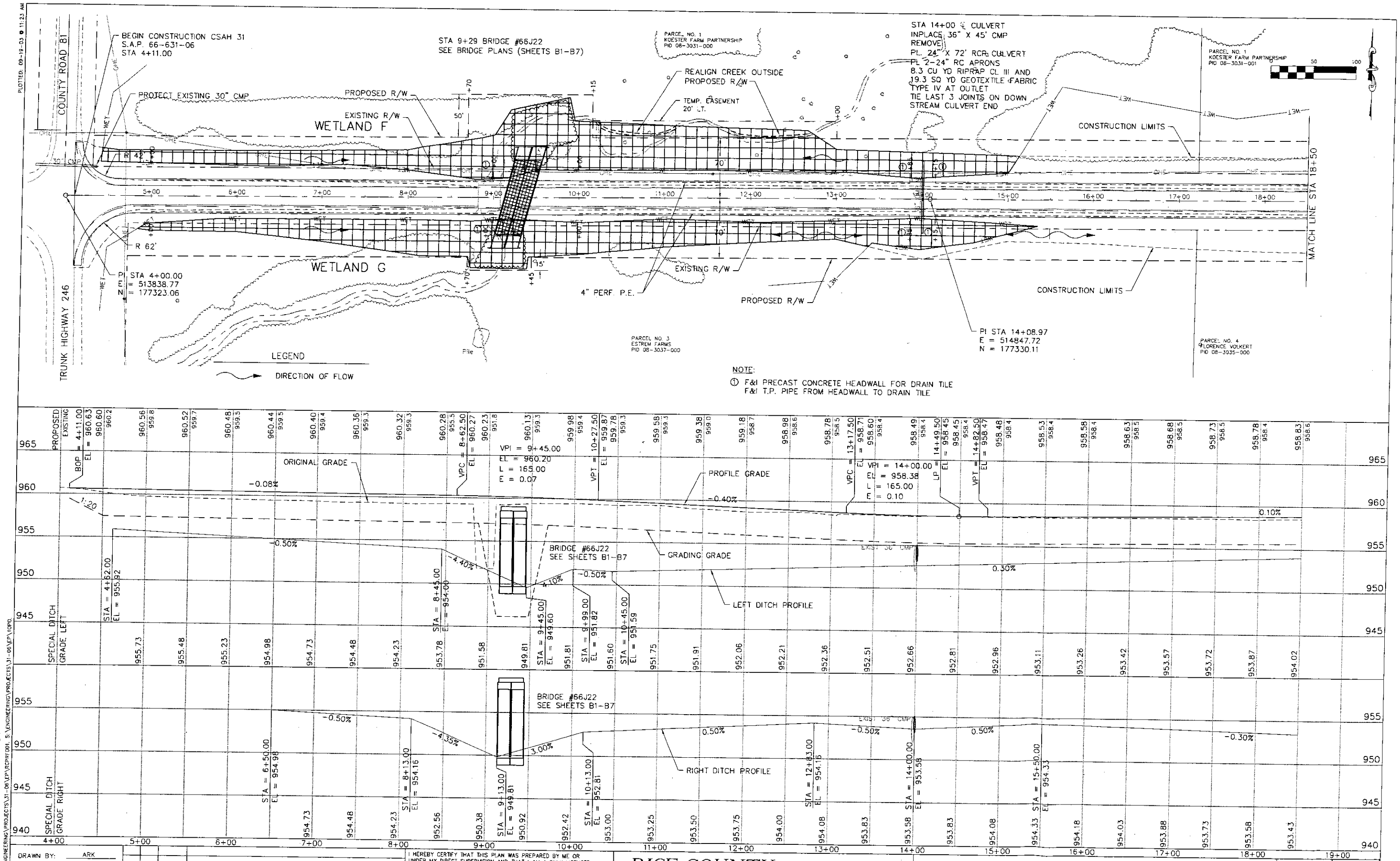
ALTERNATIVES CONSIDERED:
No Build, this alternative would not resolve the safety and structural deficiencies that have been identified and would result in increased maintenance costs.

Reconstruction along an established route significantly limits project impacts.

COMPENSATORY MITIGATION:
Wetland mitigation will be through the BWSR Road Replacement Program.

CASH 31 Reconstruction





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DESIGN TEAM	
DRAWN BY:	ARK
DESIGNER:	STG
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NO.	BY	DATE	REVISIONS

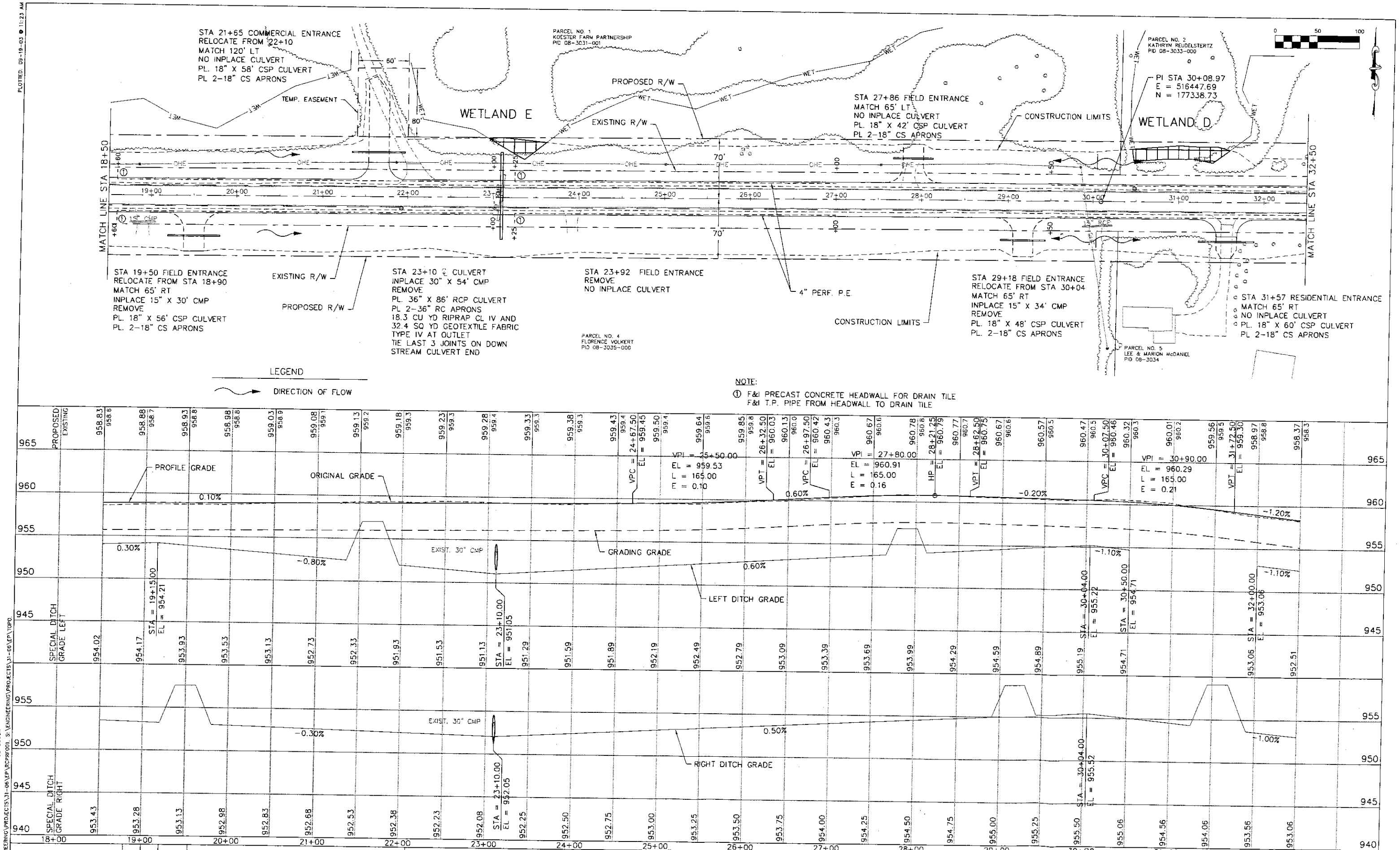
I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

Stefan T. Gantert, P.E.
Date: 1/17/05 Reg. No. 40173

RICE COUNTY HIGHWAY DEPARTMENT

PLAN & PROFILE
C.S.A.H. 31 RECONSTRUCTION - S.A.P. 66-631-06
C.S.A.H. 31 BRIDGES - S.A.P. 66-631-03, 66-631-04, & 66-631-05

CO. PROJ. NO. 31-06
DATE 1/17/05



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CO. PROJ. NO. 31-06

DATE 1/17/05

25/75

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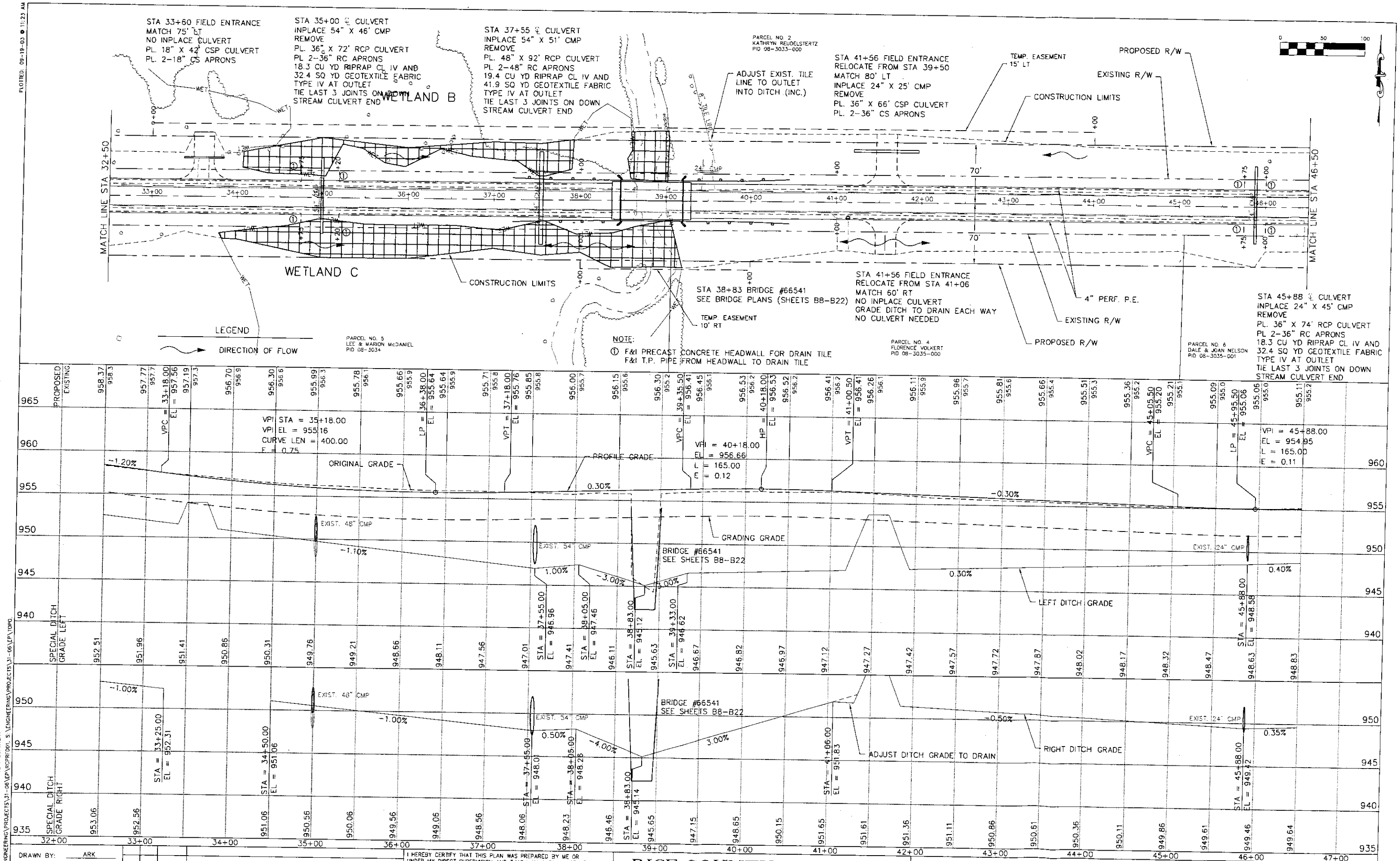

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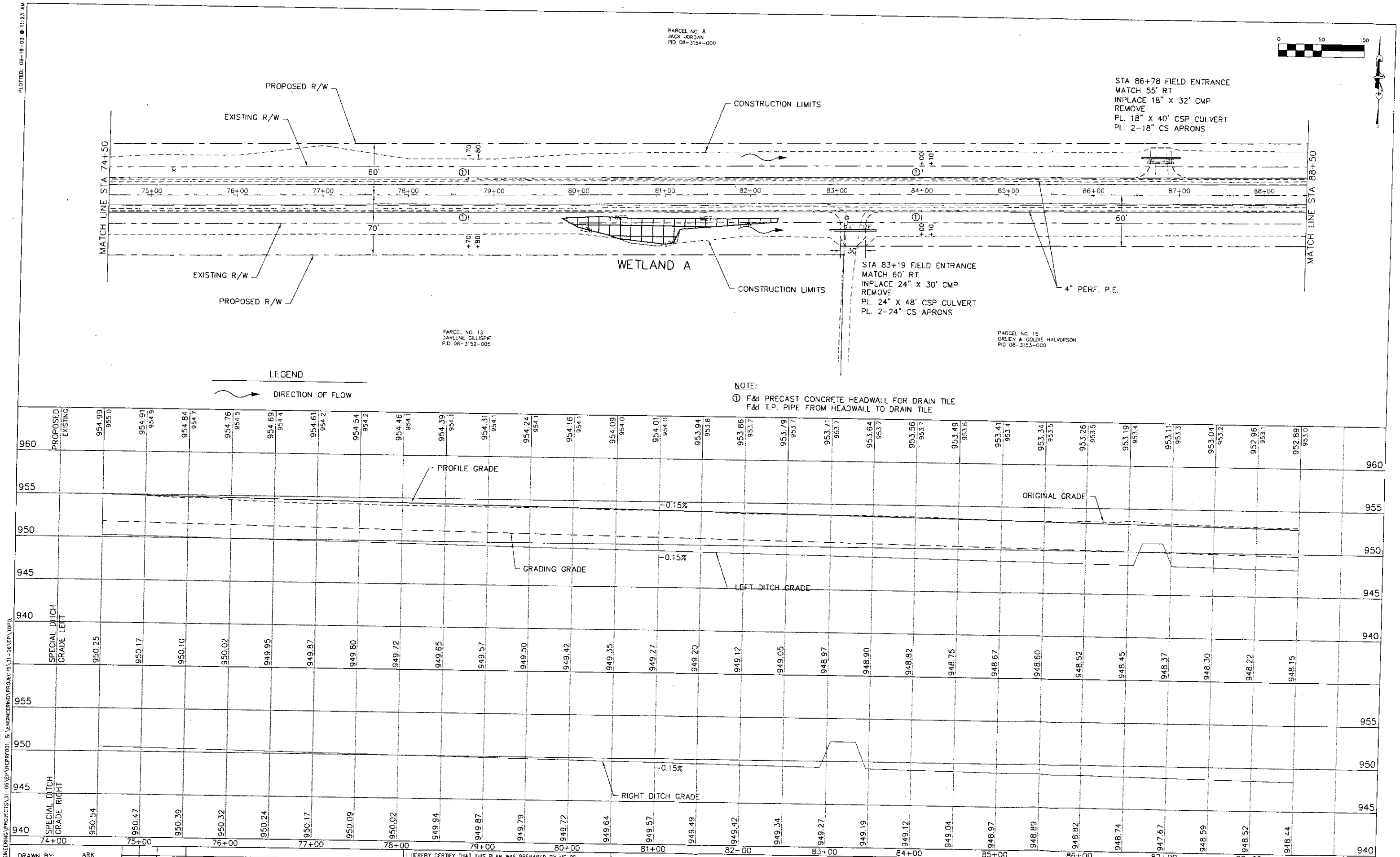
C.S.A.H. 31 BRIDGES - S.A.P. 66-631-03, 66-631-04, & 66-631-05

CO. PROJ. NO. 31-06
DATE 1/17/05



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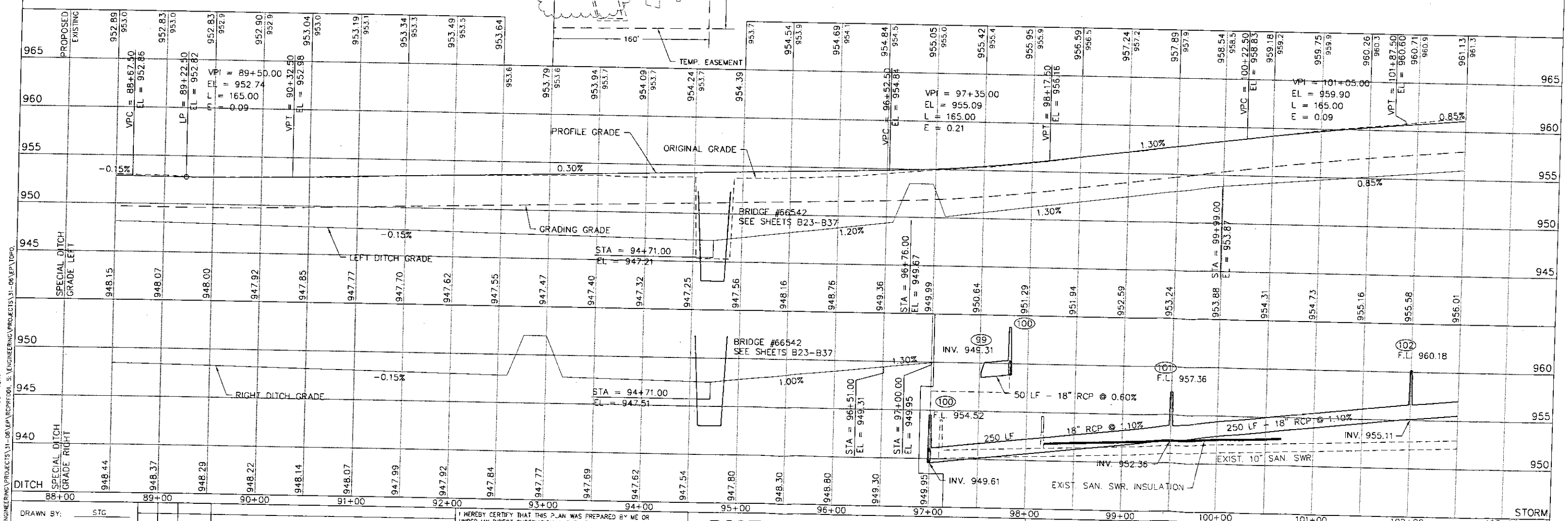
CO. PROJ. NO. 31-06
DATE 1/17/05

PLOTTED: 09-19-03 @ 11:23 AM

PROPOSED R/W
EXISTING R/W
PARCEL NO. 8
JACK JORDAN
PID 08-3154-000
PI STA 92+20.09
E = 522658.38
N = 177403.20
STA 94+71 BRIDGE #66542
SEE BRIDGE PLANS (SHEETS B23-B37)
WETLAND J
TEMP. EASEMENT
10' LT
PARCEL NO. 9
DANIEL & KAREN KOESTER
PID 08-3138-003
WETLAND K
RECONSTRUCT EXIST. SAN. MH
EXIST. RIM 952.99
PROP. RIM 954.58
4" PERF. P.E.
CONSTRUCTION LIMITS
MATCH LINE STA 88+50
MATCH LINE STA 102+50
EXISTING R/W
PROPOSED R/W
CONSTRUCTION LIMITS
TEMP. EASEMENT
WETLAND H
WETLAND I
4" PERF. P.E.
TEMP. EASEMENT
10' RT
STA 97+24 FIELD ENTRANCE
MATCH 35' RT
INPLACE 15" X 36" CMP
REMOVE
NO CULVERT NEEDED
STA 101+77 FIELD ENTRANCE
MATCH 45' RT
INPLACE 15" X 24" CMP
REMOVE
NO CULVERT NEEDED
PARCEL NO. 15
CRUEN & GOLDIE HALVORSON
PID 08-3153-000
PARCEL NO. 16
BRIAN & MARTHA BREKKEN
PID 08-3147-000
BEGIN D424 CONC. C&G
STA 97+00 RT
PARCEL NO. 17
JOSEPH STANKE
PID 08-3147-003
STA 92+88 FIELD ENTRANCE
RELOCATE FROM STA 93+80
INPLACE 30" X 37' CMP
REMOVE
PL. 29" RISE X 42" SPAN X 50' CSP CULVERT
PL. 2-29" RISE X 42" SPAN CS APRONS
STA 96+86 FIELD ENTRANCE
MATCH 60' LT - GRADE TO ALLOW
FOR OVERLAND FLOW OUTSIDE MATCH POINT
INPLACE 42" X 60" SPAN X 34' CMP
REMOVE
PL. 29" RISE X 42" SPAN X 48' CSP CULVERT
PL. 2-29" RISE X 42" SPAN CS APRONS
INPLACE 60" X 34' CMP
REMOVE
PL. 60" X 74' CSP CULVERT
TEMP. EASEMENT

NOTES:
① F&I PRECAST CONCRETE HEADWALL FOR DRAIN TILE
F&I T.P. PIPE FROM HEADWALL TO DRAIN TILE

LEGEND
DIRECTION OF FLOW



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CO. PROJ. NO. 31-06
DATE 1/17/05
30/75

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