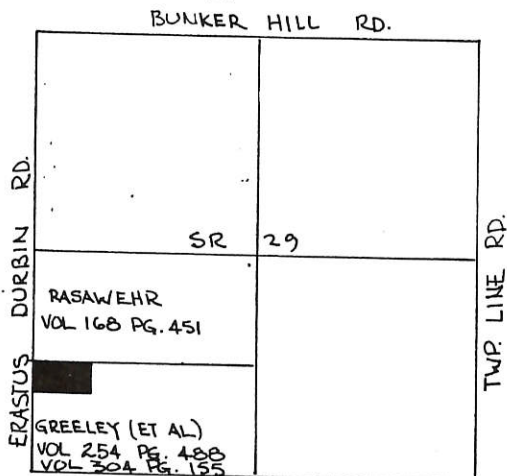


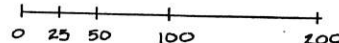
KITTLE SURVEY
 PART SW 1/4 SEC 1, T6S, R1E
 WASHINGTON TWP., MERCER CO., OHIO

07-C

LOCATION PLAT



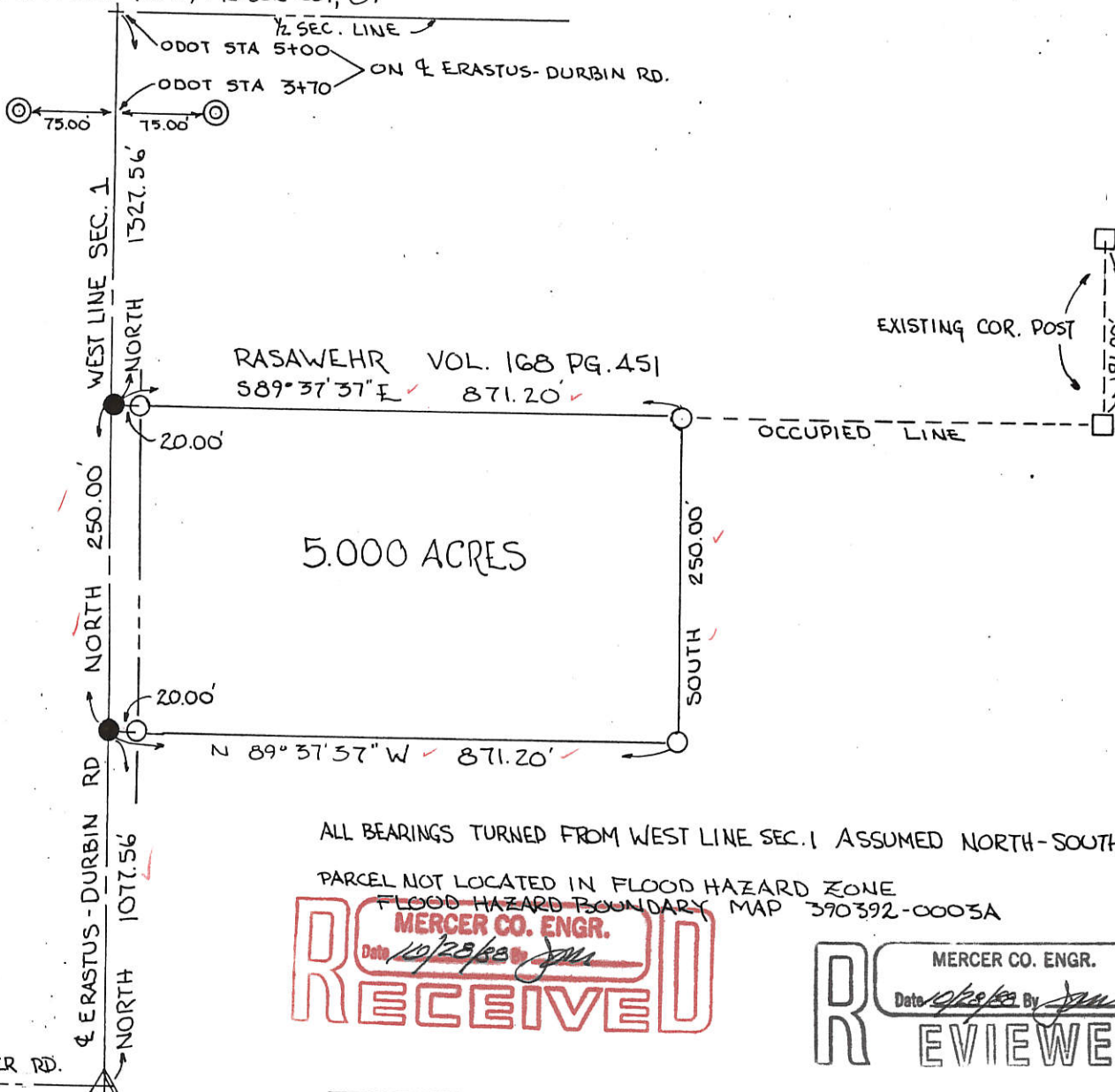
SCALE: 1" = 100'



LEGEND -

- ⊙ ODOT R/W MONUMENT FOUND
- △ COUNTY STONE REFERENCE
- RAILROAD SPIKE SET
- 3/8" ⌀ IRON PIN SET
- EXISTING COR. POST

SEC. 1, T6S, R1E
 WASHINGTON TWP., MERCER CO., O.



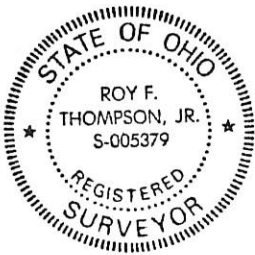
ALL BEARINGS TURNED FROM WEST LINE SEC. 1 ASSUMED NORTH-SOUTH-

PARCEL NOT LOCATED IN FLOOD HAZARD ZONE
 FLOOD HAZARD BOUNDARY MAP 390392-0003A

RECEIVED
 MERCER CO. ENGR.
 Date 10/28/88 By [Signature]

REVIEWED
 MERCER CO. ENGR.
 Date 10/28/88 By [Signature]

PLAT BY SURVEY OCT. 1988
 Roy F. Thompson Jr.
 ROY F. THOMPSON JR. REG. SUR# 5379.



PERMANENT PARCEL No.	-----	
Part of:	SW 1/4 Sec. 1 T6S R1E WASHINGTON Township	
Grantor:	GREELEY	Area Retained: 45.00 Acres
Grantee:	KITTLE	Area Transferred: 5.000 Acres
Deed References:	VOL 254 PG 488, VOL 304 PG. 155	
APPROVALS:	Board of Health	County Sanitary Engineer
AGENCY:		County Engineer
DATE:		

FILED IN SURVEY BOOK

0701300002

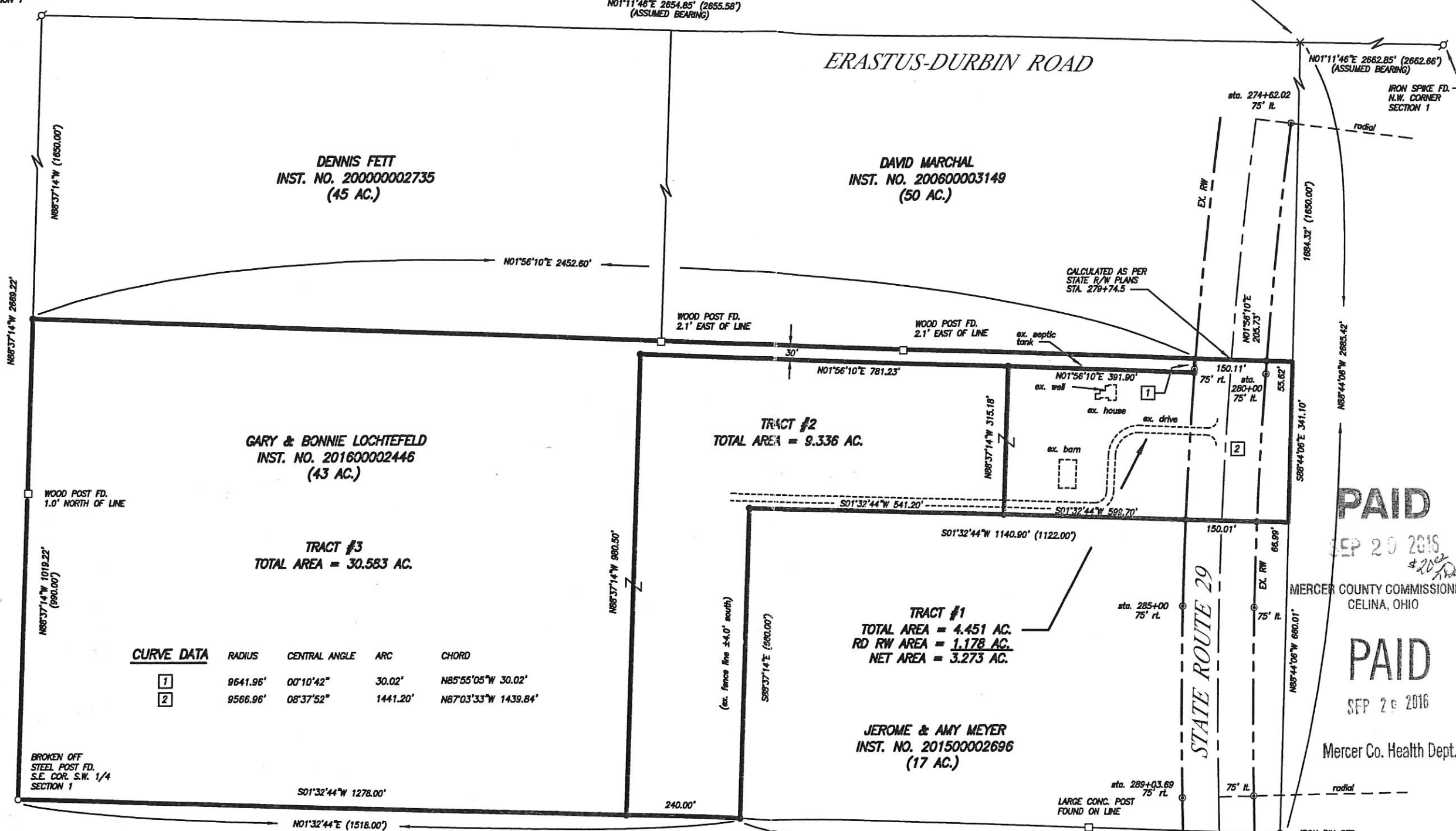
1 SECTION 6 S TOWNSHIP 1 E RANGE WASHINGTON CIVIL TOWNSHIP MERCER COUNTY



IRON SPIKE FD.
S.W. COR. S.W. 1/4
SECTION 1

N01°11'46"E 2654.85' (2655.58')
(ASSUMED BEARING)

CALCULATED POINT
FROM EX. RW MONS.
STA. 5+00 ODOT RW PLANS
N.W. COR. S.W. 1/4
SECTION 1



Tract #1: 0701300004
 #2: 0701300007
 -0016

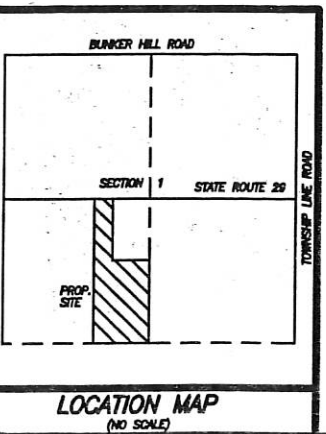
MOTE & ASSOCIATES, INC.
ENGINEERS - LAND SURVEYORS
214 WEST 4th STREET
GREENVILLE, OHIO 45331
PHONE: (937) 548-7511
FAX: (937) 548-7484
E-MAIL: info@moteandassociatesinc.com
WEBSITE: www.moteandassociatesinc.com

SURVEY OF THREE TRACTS SECTION 1
GARY LOCHTEFELD
OHIO
MERCER COUNTY

PAID
SEP 29 2016

PAID
SEP 29 2016

MERCER COUNTY COMMISSIONERS
CELINA, OHIO
Mercer Co. Health Dept.



- LEGEND**
- IRON PIN SET (#5 REBAR ±30" LONG W/ SURVEYORS CAP)
 - ⊙ IRON SPIKE SET
 - ⊙ P.K. NAIL SET
 - IRON PIN FOUND
 - ⊙ RW MON FOUND
 - ⊙ IRON SPIKE FOUND
 - ⊙ P.K. NAIL FOUND
 - ⊙ CORNER POST FD.
 - () CALLED DIMENSION

- SURVEY REFERENCE**
- 1) ST. RT. 29 ODOT RW PLANS, 1955.
 - 2) SURVEY BY JAMES GEESLIN, SECTION 2.

Kevin C. Eichler 9-27-16
MERCER COUNTY ENGINEER DATE:
James M. Geeslin 9-29-16
MERCER COUNTY HEALTH DEPARTMENT DATE:
James M. Geeslin 9/29/16
WASHINGTON TOWNSHIP ZONING INSPECTOR DATE:

STATE OF OHIO
LOUIS J. BERGMAN
7177
REGISTERED SURVEYOR
SURVEYED BY
Louis J. Bergman
LOUIS J. BERGMAN
REGISTERED SURVEYOR 7177
9-12-16

*Because the sewage system replacement area is located on Tract #2, the two tracts must be combined in the event that replacement of the existing system becomes necessary.

Paul M. Miller
 07-C (01)

MERCER COUNTY ENGINEER

MER CR51A-9.99

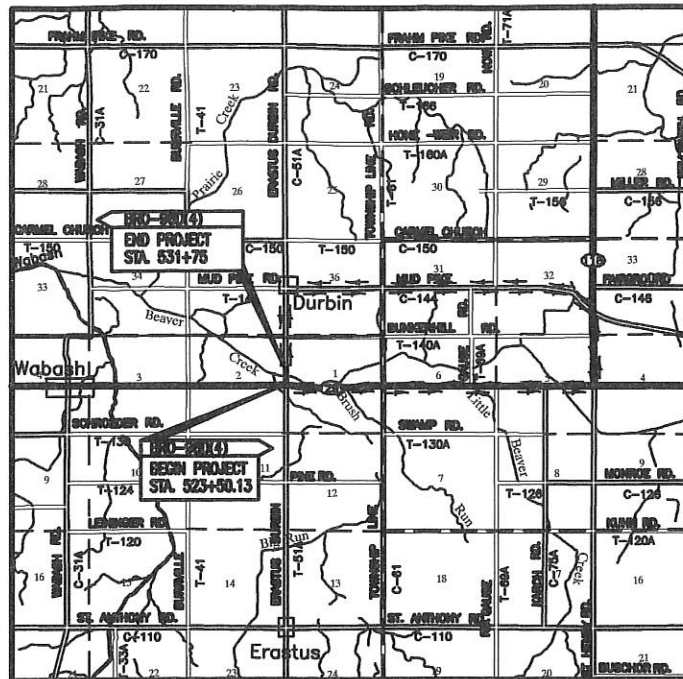
PROJECT DESCRIPTION

REPLACEMENT OF EXISTING BRIDGE WITH APPROACH
PAVEMENT RECONSTRUCTION. PROJECT LENGTH IS 0.16 MI.

ERASTUS DURBIN ROAD OVER BEAVER CREEK LIBERTY TOWNSHIP MERCER COUNTY

1997 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO,
DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND
SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PROPOSAL
SHALL GOVERN THIS IMPROVEMENT.



LOCATION/DETOUR MAP

LATITUDE: N 40° 32' 48" LONGITUDE: W 84° 42' 30"

SCALE OF MILES



LEGEND

PORTIONS TO BE IMPROVED	COUNTY C-30	ROADS
UNITED STATES ROUTE	TOWNSHIP T-30	ROADS
STATE ROUTE	STATE BOUNDARY	
DETOUR	RAILROAD	
	MUNICIPAL & SUB DIVISION STREETS	

DESIGN DESIGNATION

CURRENT ADT (1998)	340
DESIGN YEAR ADT (2018)	480
DESIGN HOURLY VOLUME (2018)	10
DIRECTIONAL DISTRIBUTION	55%
TRUCKS (24 HOUR B&C)	2%
DESIGN SPEED	55 MPH
LEGAL SPEED	55 MPH

DESIGN FUNCTIONAL CLASSIFICATION - LOCAL

DESIGN EXCEPTIONS

NONE

UNDERGROUND UTILITIES
2 WORKING DAYS
BEFORE YOU DIG
CALL 1-800-362-2764 (Toll free)
OHIO UTILITIES
PROTECTION SERVICE
NON - MEMBERS
MUST BE CALLED DIRECTLY

PLANS PREPARED BY: THE MERCER
COUNTY ENGINEER'S OFFICE
321 RILEY STREET
ROY F. THOMPSON JR. P.E., P.S.
COUNTY ENGINEER



INDEX OF SHEETS

TITLE SHEET	1
TYPICAL SECTION	2
GENERAL NOTES/ ROADWAY QUANTITIES	3
CALCULATIONS/ MISC DETAILS	4
PLAN & PROFILE/ RIGHT-OF-WAY	5-7
ROADWAY CROSS SECTION SHEETS	8-10
BRIDGE NOTES/ BRIDGE QUANTITIES	11
ABUTMENT DETAILS	12
SUPERSTRUCTURE DETAILS	13

SUPPLEMENTAL PRINTS OF STANDARD CONSTRUCTION DRAWINGS				SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS
BP-3.1	2-21-92				Army Corps NWP#3 12-17-99
BP-4.1	2-21-92				
GR-1.1	5-6-91		MT-101.60 7-1-92		
GR-1.2	10-30-92		MT-105.10 7-1-92		
GR-2.1	5-6-91		MT-105.11 7-1-92		
GR-3.4	5-6-91				
			DBP-1-92 3-23-92		
GR-4.2	5-6-91	TC-41.20 6-21-94	DBR-2-73 4-10-73		
		TC-42.20 3-26-79	DS-1-92 4-5-93		
		TC-52.10 4-3-99	PSBD-1-93 2-4-94		
		TC-52.20 4-3-79			

APPROVED: _____
DATE: _____ MERCER COUNTY ENGINEER



FEDERAL PROJECT NO.

PID NO. 20275

CONSTRUCTION PROJECT NO. MER CR51A-9.99

RAILROAD INVOLVEMENT NONE

MER-CR51A-9.99

07-C(1)

PIPE SCHEDULE

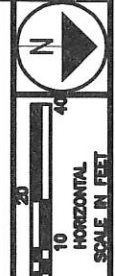
Pipe	Length	Sta.	Offset	FL
1-D	66'	526+81.9	36.7' Lt.	851.00
		527+47.2	26.7' Rt.	850.80
2-D	60'	526+78.3	37.2' Rt.	850.70
		527+42.5	27.1' Rt.	850.50
3-D	70'	528+17.7	26.0' Lt.	849.55
		528+86.5	39.2' Lt.	849.75
4-D	72'	528+14.3	26.2' Rt.	848.44
		528+84.5	42.6' Rt.	848.64

PROPOSED BRIDGE DATA

TYPE: PRESTRESSED CONCRETE BOX BEAMS ON
 CAPPED PILE ABUTMENTS.
 SPAN: 1 @ 82.5' c/c BEARINGS
 SKEW: 5' L.F.
 ROADWAY: 28' + fit-up f/f GUARDRAIL & o/o DECK
 LOADING: HS20-44 & ALTERNATE MILITARY LOADING
 WEARING SURFACE: 2 1/2" MIN ASPHALT CONCRETE
 APPROACH SLABS: NONE
 ALIGNMENT: TANGENT
 CROWN: 0.016
 BRIDGE COORDINATES: 40°-32'-48" LAT. 84°-42'-30" LONG
 HYDRAULIC DESIGN YEAR FREQUENCY: 10 yr.
 DESIGN AVERAGE DAILY TRAFFIC: 340 (1998)
 DESIGN AVERAGE DAILY TRUCK TRAFFIC: 480 (2018)

EXISTING BRIDGE DATA

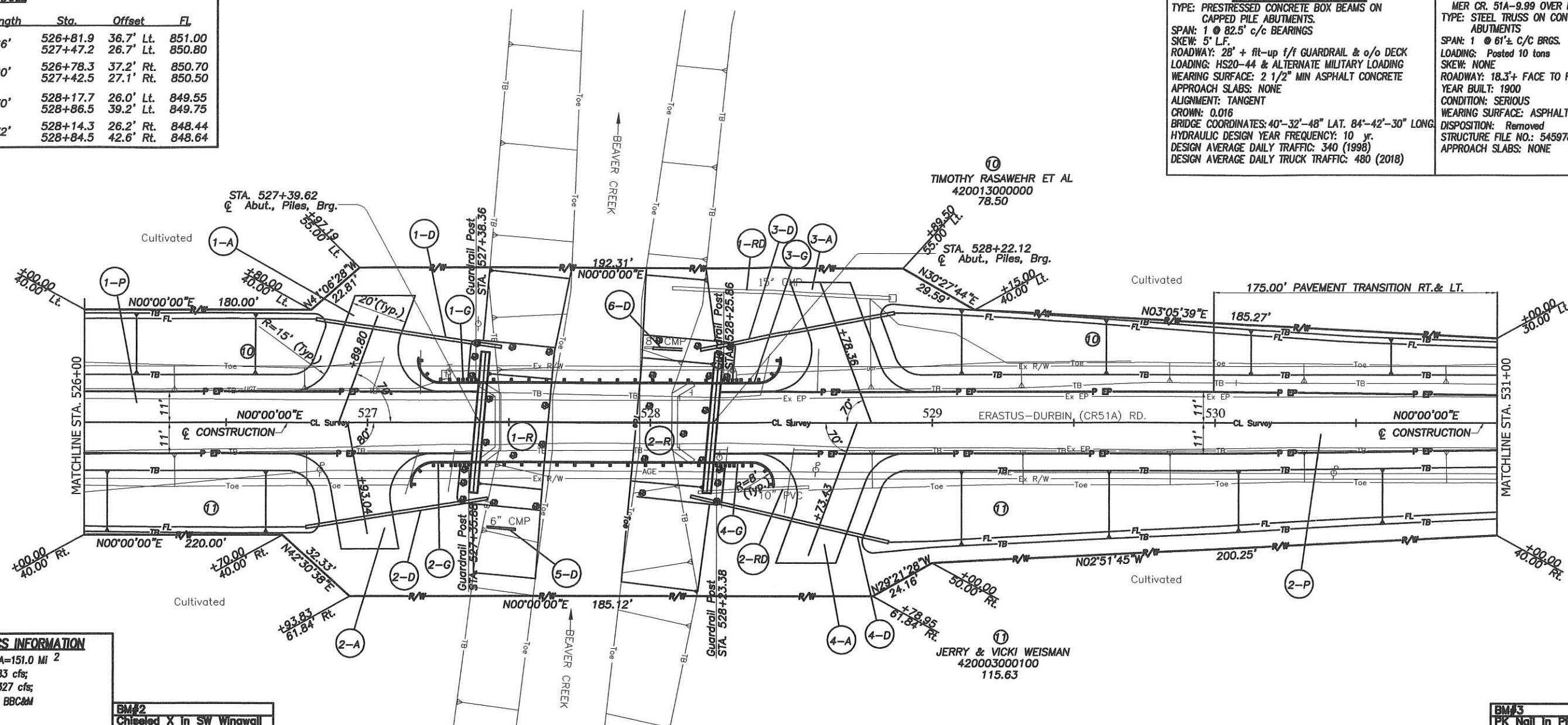
MER CR. 51A-9.99 OVER BEAVER CREEK
 TYPE: STEEL TRUSS ON CONCRETE
 ABUTMENTS
 SPAN: 1 @ 61± C/C BRGS.
 LOADING: Posted 10 tons
 SKEW: NONE
 ROADWAY: 18.3' + FACE TO FACE DECK
 YEAR BUILT: 1900
 CONDITION: SERIOUS
 WEARING SURFACE: ASPHALT CONCRETE
 DISPOSITION: Removed
 STRUCTURE FILE NO.: 5459788
 APPROACH SLABS: NONE



CALCULATED
 JAW
 CHECKED

PLAN AND PROFILE - CR 51A-9.99
 STA. 526+00 TO STA. 531+00

MER-CR51A-9.99

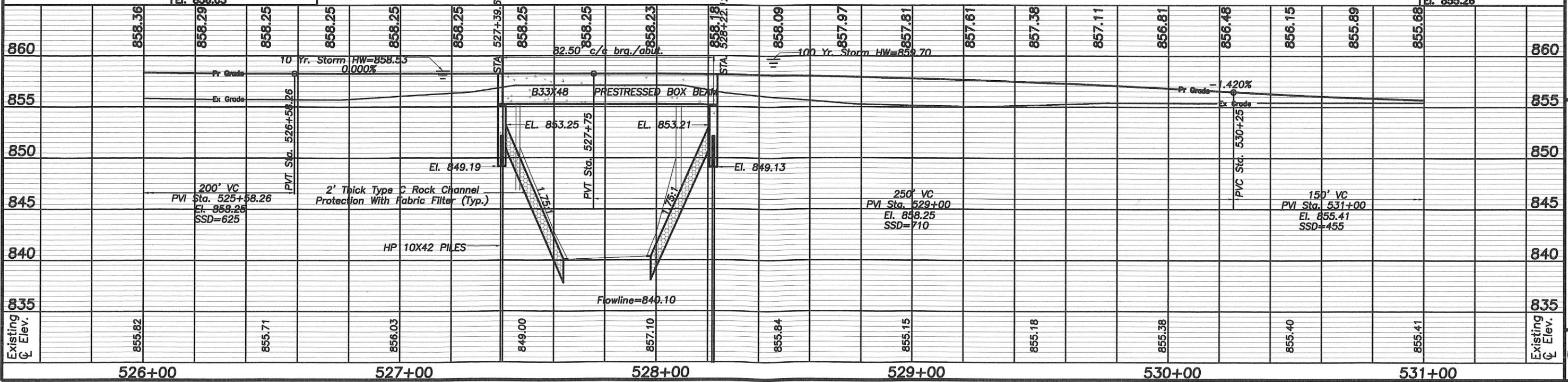


HYDRAULICS INFORMATION

DRAINAGE AREA=151.0 MI²
 Est. Q(10)=4683 cfs;
 Est. Q(100)=7327 cfs;
 From study by BBC&M

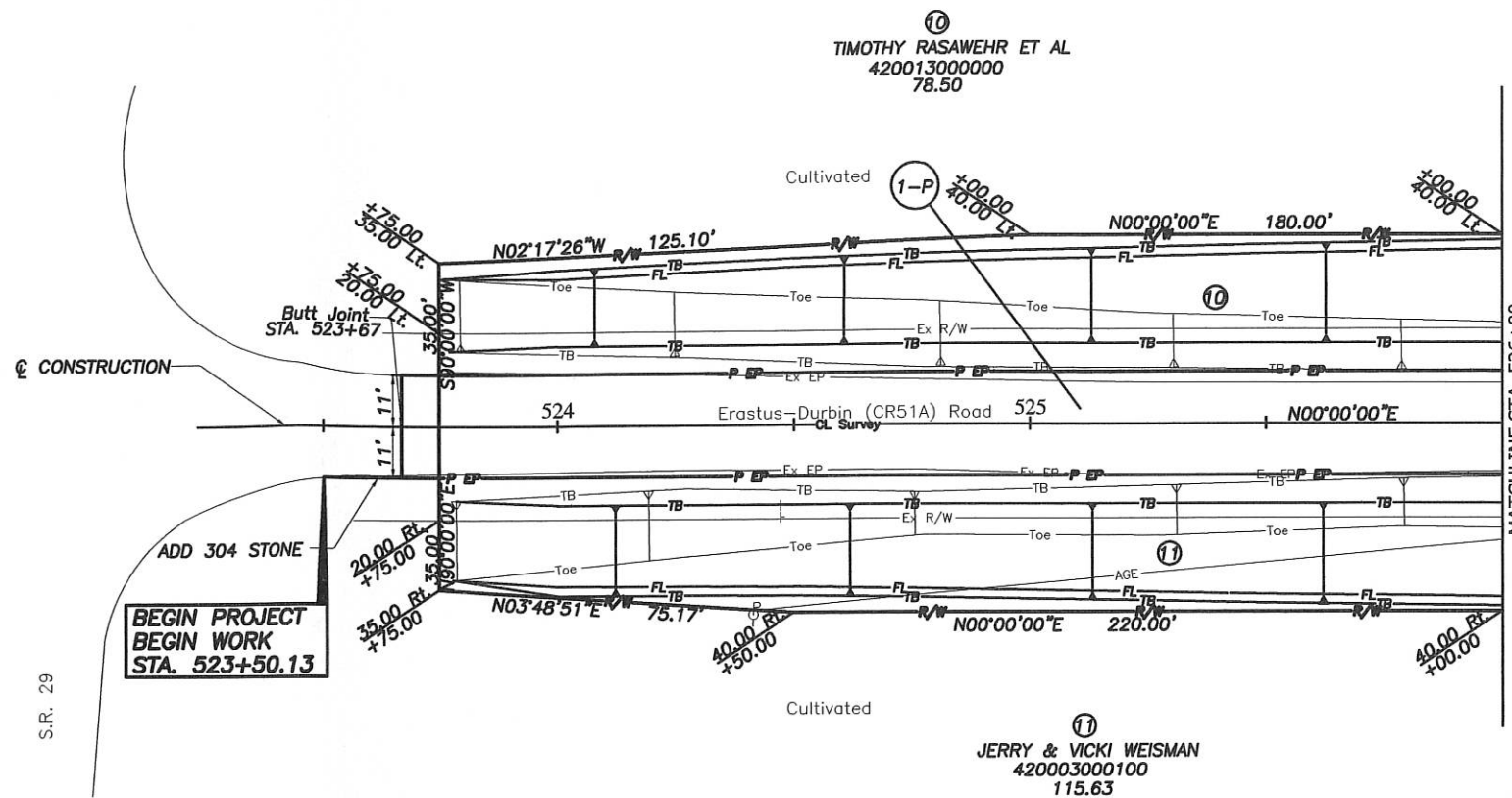
BM#2
 Chiseled X in SW Wingwall
 Existing Bridge
 El. 856.03

BM#3
 PK Nail in PP--240' North
 of Existing Bridge E. Side
 El. 855.26

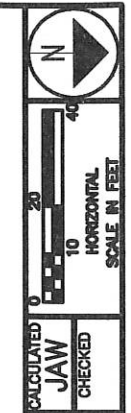
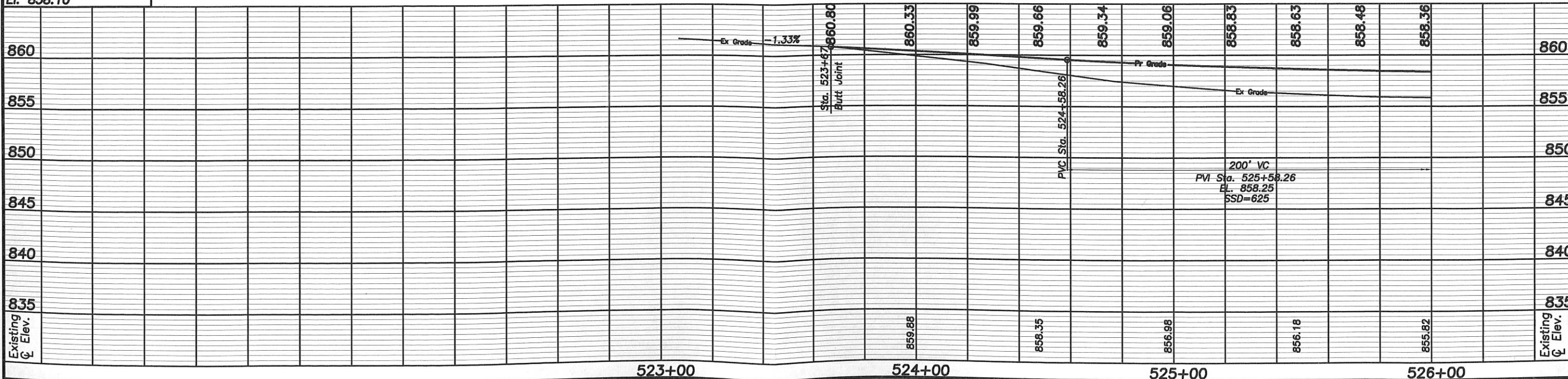


SUMMARY OF ADDITIONAL RIGHT OF WAY

PARCEL NO.	OWNER'S NAME	AUD. PARCEL NO.	RECORD AREA	GROSS	P.R.O.	NET
10	TIMOTHY RASAWEHR ET AL	420013000000	78.50	0.769	0.379	0.390
11	JERRY & VICKI WEISMAN	420003000100	115.63	0.860	0.379	0.481



BM #3
PK Nail in PP
East of Int. of SR 29
& CR51A- N. side Rd.
El. 858.10



PLAN AND PROFILE - CR 51A-9.99
STA. 523+67 TO STA. 526+00

MER-CR51A-9.99

5
13