

CALC. BY: <u>CH</u> DATE: <u>10-92</u>	LOG/UNI-347- 2.69/0.00	OHIO
CHKD BY: <u>CH</u> DATE: <u>10-92</u>	LOGAN COUNTY UNION CNTY	FHWA REGION 5

**DESIGN DESIGNATION**

CURRENT A.D.T. (1992) = 1710  
 DESIGN YEAR A.D.T. (2012) = 2390  
 D.H.V. = 232  
 D = 60%  
 T = 22%  
 V (DESIGN SPEED) = 55 M.P.H.  
 LEGAL SPEED LIMIT = 55 M.P.H.  
 FUNCTIONAL CLASSIFICATION = MAJOR COLLECTOR (RURAL)

DESIGN EXCEPTIONS  
 NONE

STATE OF OHIO  
 DEPARTMENT OF TRANSPORTATION  
**LOG/UNI - 347 - 2.69/0.00**  
 PERRY TOWNSHIP, LOGAN COUNTY  
 LIBERTY TOWNSHIP, UNION COUNTY

R/W ONLY | LOG/UNI-347-2.69/0.00  
 PID: 5987 | SJN: 06555 (0)

ACQUIRING AGENCY: STATE OF OHIO

**1991 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.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT DETOURS WILL BE PROVIDED AS INDICATED ON THE PLANS.

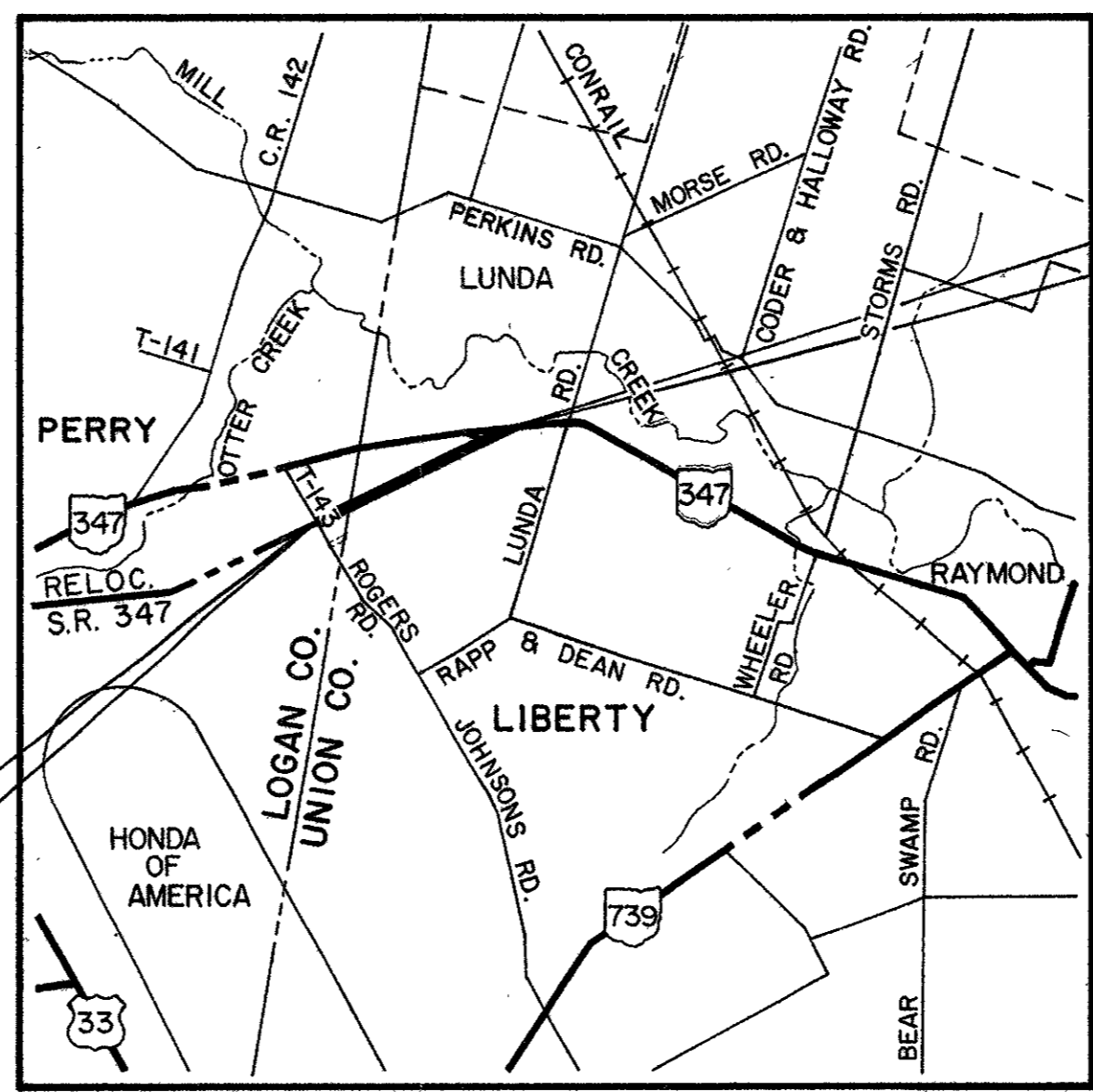
**CONVENTIONAL SIGNS**

COUNTY LINE ----- LIMITED ACCESS (ONLY) L A -----  
 TOWNSHIP LINE ----- RIGHT OF WAY (ONLY) R/W -----  
 SECTION LINE ----- LIMITED ACCESS & RIGHT OF WAY L A - R/W -----  
 CORPORATION LINE ----- OR ----- EXISTING RIGHT OF WAY EX. R/W -----  
 FENCE LINE (EXISTING) -x-x- PROPOSED -x-x-x-x- PROPERTY LINE (IN EXISTING FENCE) -x-R-x-  
 CENTERLINE -----+----- RAILROAD ||||| OR +-----  
 TREES (TO BE REMOVED) (TO BE REMOVED) GUARDRAIL (EXISTING) o-o-o (PROPOSED) o-o-o  
 UTILITY POLE: TELEPHONE P, POWER P, LIGHT P WORK LIMITS - - - - - WORK LIMITS

**"RIGHT-OF-WAY ONLY"**

**INDEX OF SHEETS**

- TITLE SHEET.....
- CENTERLINE SURVEY PLAT.....1
- PROPERTY MAP.....2
- SUMMARY OF ADDITIONAL RIGHT OF WAY.....3
- RIGHT OF WAY PLANS.....4 - 21



BEGIN PROJECT  
 STA. 242+46.50  
 S.L.M. 2.69

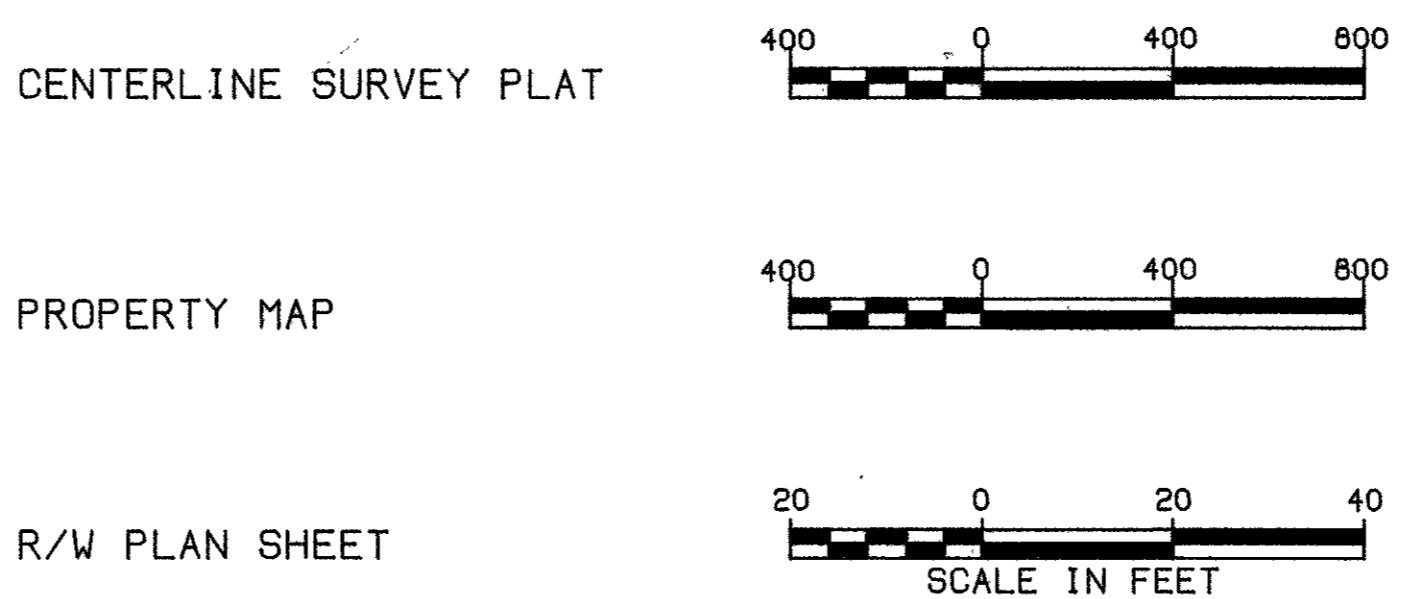
END PROJECT  
 STA. 303+00.00  
 S.L.M. 0.97

LOCATION MAP  
 SCALE IN MILES

PORTIONS TO BE IMPROVED  
 STATE & FEDERAL ROUTES  
 OTHER ROADS

UNDERGROUND UTILITIES  
 TWO WORKING DAYS  
**BEFORE YOU DIG...**  
 CALL 800-362-2764 (TOLL FREE)  
 OHIO UTILITIES PROTECTION SERVICE  
 NON-MEMBERS  
 MUST BE CALLED DIRECTLY

**SCALES**



PREPARED BY  
 R.D. ZANDE & ASSOCIATES, LTD.  
 1237 DUBLIN ROAD  
 COLUMBUS, OHIO 43215

*Arthur L. Wallace* 10-15-92  
 REGISTERED ENGINEER NO. 19587 DATE

FILE NO. LOGAN COUNTY / UNION COUNTY  
 LOG/UNI - 347 - 2.69/0.00

DATE OF LETTING CONTRACT NO.

ENGINEER'S SEAL

DEPARTMENT OF TRANSPORTATION  
 FEDERAL HIGHWAY ADMINISTRATION

APPROVED

DIVISION ADMINISTRATOR DATE

CENTERLINE REFERENCE MONUMENTS ARE SHOWN ON STANDARD CONSTRUCTION DRAWING MC-1 (REV. 6-13-69) OF THE DEPARTMENT OF TRANSPORTATION. THE PLACING OF THE MONUMENTS SHALL BE UNDER THE DIRECTION OF A REGISTERED SURVEYOR AND ARE TO BE SET AS SHOWN BY THE HIGHWAY CONTRACTOR AT THE TIME OF CONSTRUCTION. ANY ALTERATIONS, WITH PRIOR APPROVAL OF THE OHIO DEPARTMENT OF TRANSPORTATION, SHALL BE NOTED AND O.D.O.T. SHALL BE NOTIFIED OF THE NEW LOCATIONS.

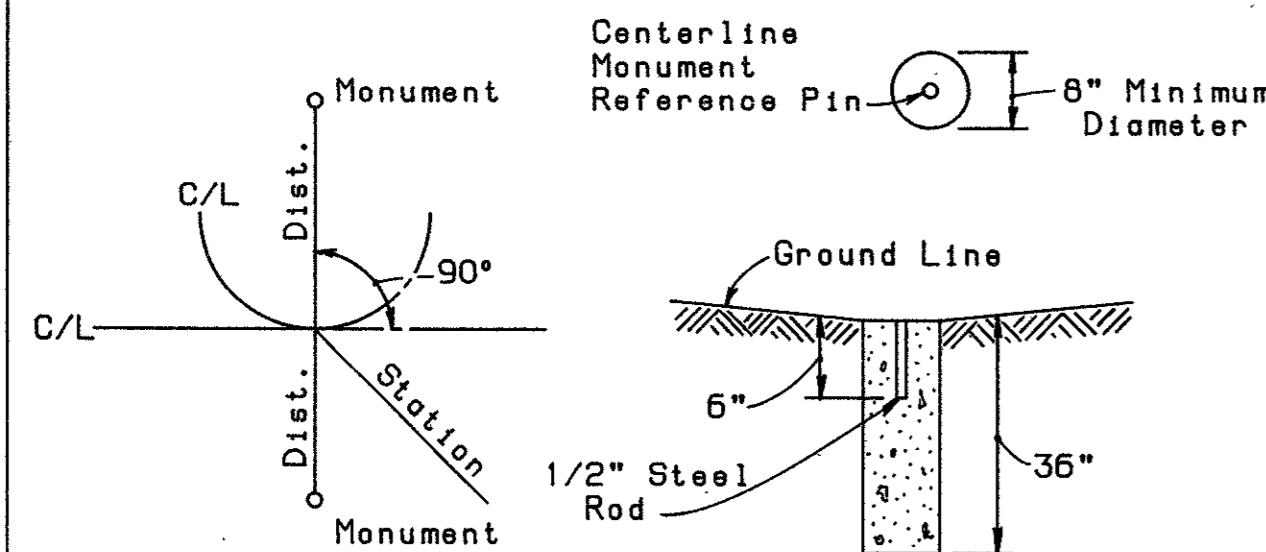
# CENTERLINE SURVEY PLAT

LOG - 347 - 2.69  
UNI - 347 - 0.00

PERRY TOWNSHIP, LOGAN COUNTY  
LIBERTY TOWNSHIP, UNION COUNTY  
V.M.S. 6232, 14755, 12388, 4815

CALC. BY DATE	LOG / UNI - 347 2.69 / 0.00	OHIO FHWA REGION 5	61 81
CHKD BY DATE		STATE PROJECT 06555 (0)	1 21
FEDERAL PROJECT			

DETAIL FOR SETTING MONUMENTS



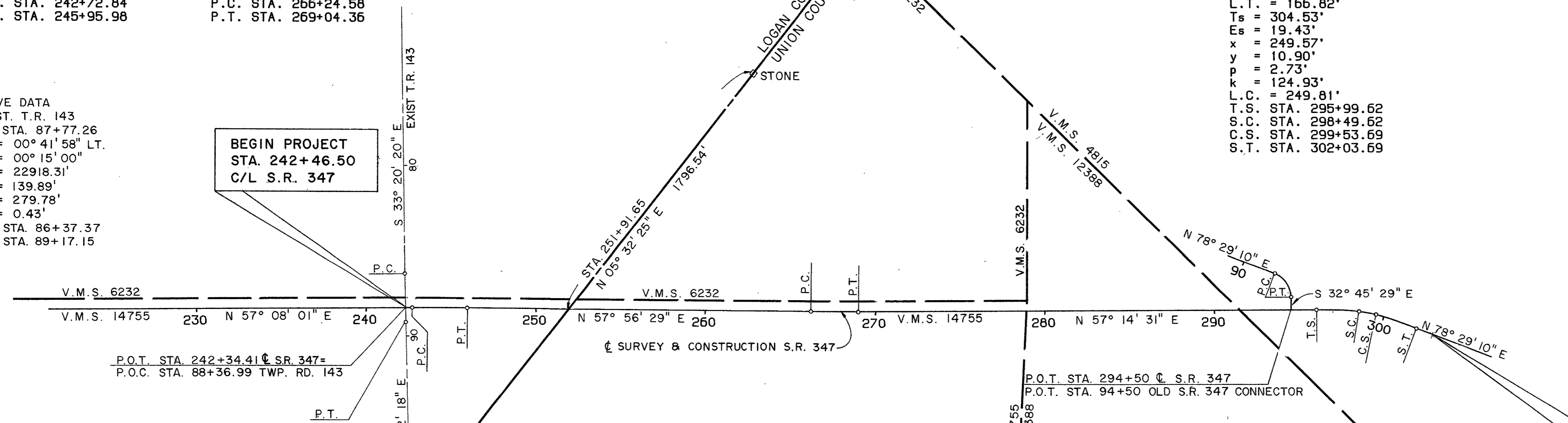
**CURVE DATA**  
C/L S.R. 347  
P.I. STA. 244+34.41  
Dc = 00°15'00"  
Δ = 00°48'28" RT.  
R = 22,918.32'  
L = 323.14'  
T = 161.57'  
E = 0.57'  
P.C. STA. 242+72.84  
P.T. STA. 245+95.98

**CURVE DATA**  
C/L S.R. 347  
P.I. STA. 267+64.48  
Dc = 00°15'00"  
Δ = 00°41'58" LT.  
R = 22,918.32'  
L = 279.79'  
T = 139.90'  
E = 0.15'  
P.C. STA. 266+24.58  
P.T. STA. 269+04.36

**CURVE DATA**  
EXIST. T.R. 143  
P.I. STA. 87+77.26  
Δ = 00°41'58" LT.  
D = 00°15'00"  
R = 22918.31'  
L = 139.89'  
T = 279.78'  
E = 0.43'  
P.C. STA. 86+37.37  
P.T. STA. 89+17.15

**CURVE DATA**  
C/L S.R. 347  
P.I. STA. 299+04.15  
Δ = 21°14'39" RT.  
Δ = 6°14'39"  
Dc = 6°00'00"  
R = 954.93'  
T = 52.09'  
L = 104.07'  
E = 1.42'  
**SPIRAL DATA**  
Ls = 250.00'  
Os = 7°30'00"  
S.T. = 83.47'  
L.T. = 166.82'  
Ts = 304.53'  
Es = 19.43'  
x = 249.57'  
y = 10.90'  
p = 2.73'  
k = 124.93'  
L.C. = 249.81'  
T.S. STA. 295+99.62  
S.C. STA. 298+49.62  
C.S. STA. 299+53.69  
S.T. STA. 302+03.69

**CURVE DATA**  
C/L OLD S.R. 347 CONN.  
P.I. STA. 92+98.68  
Δ = 68°45'21"  
Dc = 38°11'50"  
R = 150.00'  
L = 180.00'  
T = 102.62'  
E = 31.74'  
P.C. STA. 91+96.06  
P.T. STA. 93+76.06



PROPOSED REFERENCE MONUMENTS		
STATION	LT.	RT.
243+00	65.0'	65.0'
245+95.98	70.0'	65.0'
251+00	70.0'	70.0'
256+00	65.0'	65.0'
262+00	65.0'	65.0'
266+24.58	59.84'	60.0'
269+04.36	60.0'	60.0'
274+00	60.0'	50.0'
280+00	60.0'	60.0'
284+00	-	55.0'
285+00	60.0'	-
290+00	65.0'	62.50'
295+99.62	70.64'	60.0'
298+49.62	-	65.0'
299+53.69	50.0'	65.0'
302+03.69	60.0'	50.0'
305+00	40.0'	40.0'

EXISTING MONUMENT		
STATION	LOCATION	DESCRIPTION
221+28.01	0.0'	P.K.
242+33.07	59.73' LT.	P.K.
242+34.41	0.0'	RAILROAD SPIKE
260+67.99	1475.93' LT.	P.K.
262+87.78	1423.39' LT.	STONE
263+91.59	1354.97' LT.	RE-BAR
267+64.10	59.57' LT.	STONE
278+08.46	1561.76' RT.	FENCE POST CORNER
278+92.91	60.00' LT.	FENCE POST CORNER
278+96.74	780.70' LT.	SPIKE
299+42.07	11.90' LT.	BOLT

RECEIVED \_\_\_\_\_ OF \_\_\_\_\_  
RECORDED \_\_\_\_\_  
BOOK 1 PAGE 84 (LOGAN CO.) / PB. 4 PG. 161  
SIGNED \_\_\_\_\_ UNION CO.  
FEE \_\_\_\_\_ COUNTY RECORDER

THE BASIS FOR THE BEARINGS IS THE CENTERLINE OF SURVEY OF S.R. 347 OF N 57° 08' 01" E AS SHOWN ON STATE HIGHWAY PLAN LOG-347-0.00 AS FILED IN THE LOGAN COUNTY ENGINEER'S OFFICE.

I HEREBY CERTIFY THAT THIS PLAT IS A TRUE DELINEATION OF A SURVEY MADE FOR THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, IN 1990.

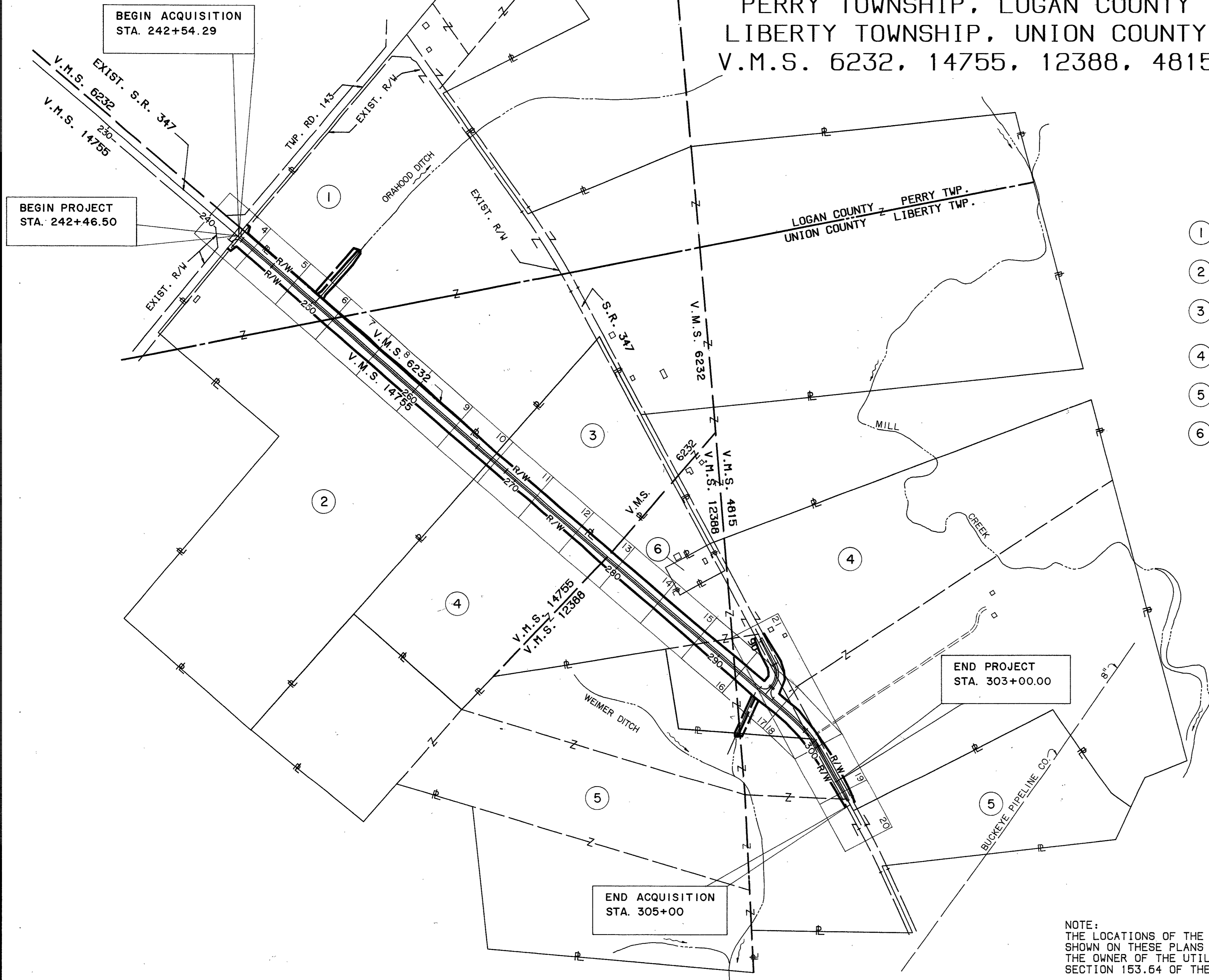
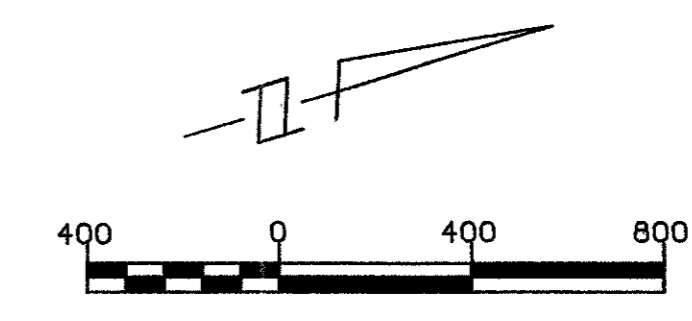
R.D. ZANDE & ASSOCIATES, LTD.  
CONSULTING ENGINEERS  
COLUMBUS, OHIO  
*Thornton L. Wallace* DATE 10-15-92  
REGISTERED SURVEYOR NO. 4650

SURVEYOR'S SEAL

# PROPERTY MAP

LOGAN-347-2.69  
 UNION-347-0.00  
 PERRY TOWNSHIP, LOGAN COUNTY  
 LIBERTY TOWNSHIP, UNION COUNTY  
 V.M.S. 6232, 14755, 12388, 4815

DATE BY DATE	LOG/UNI-347- 2.69/0.00	OHIO REGION 5	62 81
FEDERAL PROJECT	STATE PROJECT	06555 (O)	2 21



- ① HAROLD E. LONGBRAKE AND LAURA L. LONGBRAKE, H&W
- ② MARGARET VAN VOORHIES ET AL
- ③ MARY ROSEBROOK (NO R/W REQUIRED)
- ④ HAROLD E. LONGBRAKE AND LAURA L. LONGBRAKE, H&W
- ⑤ PAUL E. HERD & GRACE L. HERD -L.E. DENNIS B. HERD ET AL
- ⑥ JAMES D. REECE, JR. & DEBORAH L. REECE NO R/W REQUIRED

- EXISTING UTILITIES
- UNION RURAL ELECTRIC COOP., INC. POST OFFICE BOX 393 MARYSVILLE, OHIO 43040 (513) 642-1826
  - UNITED TELEPHONE CO. OF OHIO 127 NORTH MAIN STREET BELLEFONTAINE, OHIO 43311 (513) 492-1161
  - BUCKEYE PIPELINE 3250 SOUTH DIXIE HIGHWAY LIMA, OHIO 45804 (419) 229-0166
  - DAYTON POWER AND LIGHT P.O. BOX 1247 COURTHOUSE PLAZA S.W. DAYTON, OHIO 45401 (513) 227-2498
  - COLUMBIA GAS OF OHIO 380 N. MAIN STREET P.O. BOX 1326 MANSFIELD, OHIO 44901-1326 (419) 521-3694

END PROJECT  
 STA. 303+00.00

END ACQUISITION  
 STA. 305+00

NOTE:  
 THE LOCATIONS OF THE UNDERGROUND UTILITIES SHOWN ON THESE PLANS ARE AS OBTAINED FROM THE OWNER OF THE UTILITIES AS REQUIRED BY SECTION 153.64 OF THE OHIO REVISED CODE.

TYPE FUNDS : STATE

COMPLETION DATE		DESCRIPTION
REV.	DATE	
RDM	5-3-94	Revd ownership of Pcl. 2 & 5

TOTAL NUMBER OF ...  
 OWNERSHIPS 4  
 TOTAL TAKES 0  
 OWNERSHIPS W/STRUCTURES INVOLVED 0  
 OWNERSHIPS W/"P" ITEMS 0

# SUMMARY OF ADDITIONAL RIGHT OF WAY

CALC BY DATE 10-92	LOG/UNI-347-	OHIO
CHKD BY DATE 10-92	2.69/0.00	FHWA REGION 5
FEDERAL PROJECT	STATE PROJECT	06555 (0)

63  
81  
3  
21

(C) CALCULATED

P.I.D. - 5987

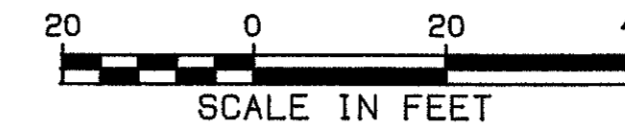
PARCEL	OWNER	SHEET NO.	OWNER RECORD		RECORD AREA	TOTAL P.R.O.	GROSS TAKE	P.R.O. IN TAKE	NET TAKE	STRUC-TURE	NET RESIDUE		TYPE FUNDS	AUDITOR'S PARCEL NO.	REMARKS AND PERSONALTY	AS ACQUIRED	
			BOOK	PAGE							LEFT	RIGHT				BOOK	PAGE
1-WD	HAROLD E. LONGBRAKE AND LAURA L. LONGBRAKE, H&W	4 THRU 10	407 165	741 389	261.84	5.511	0.287	0.024	0.263	NO	127.811	—	STATE	32-112-00-00-016-000	P.R.O. = 3.196 AC. LOG. CO.		
1-X		6	294	164			0.233	0	0.233	↑	128.022	—	↑	22-00-02030.000	UNION CO. 22-0006005.000		
1-T		6					0.437	0	0.437						CHANNEL EASEMENT		
							0.326		0.326						TEMP. EASEMENT TO BUILD CHANNEL #		
2-WD	MARGARET VAN VOORHIES - 1/3 MARY CATHERINE RITTER - 1/3 LLOYD O. HERD - 1/3 (TOTAL)	4 THRU 10	308 224	501 280	108.09	0.456	3.091	0.084	3.007		—	11.537		32-112-00-00-017-000	LOGAN CO.		
							4.486	0	4.486		—	88.604		22-00-06018.000	UNION CO.		
							7.577	0.084	7.493								
3	MARY ROSEBROOK	10 THRU 13			23.656	0.886					22.77	—		22-00-060006.000	NO RIGHT-OF-WAY REQUIRED		
4-WD	HAROLD E. LONGBRAKE AND LAURA L. LONGBRAKE, H&W	10 THRU 21	261/284 254/220	265/373 262/411	66.70 13.66	2.744 0.609	5.548 3.752	0 0.464	5.548 3.288		10.291 1.366	48.117 8.397		22-00-06042.000 22-00-06008.000			
			254/220	262/411	61.93	0.859	0.397	0.259	0.138		60.933	—		22-00-02028.000			
			190	49	86.32	0.699	0.861	0.512	0.349		85.272	—		22-00-02027.000			
	(TOTAL)				228.61	4.911	10.558	1.235	9.323		157.862	58.514					
4-X		17					0.206	0	0.206						CHANNEL EASEMENT		
4-T		17					0.193	0	0.193						TEMP. EASEMENT TO BUILD CHANNEL #		
4-T-1		18					0.016	0	0.016						TEMP. TO REBUILD DRIVE #		
5-WD	PAUL E. HERD - L.E. GRACE L. HERD - L.E. DENNIS B. HERD - 1/4 BEVERLY D. STEELE - 1/4 RICHARD GALE HERD - 1/4 ALAN PAUL HERD - 1/4 (TOTAL)	17 THRU 20	161 161	583/584 585	31.340 67.60	0.355 0.765	0.673 0.053	0.355 0.036	0.318 0.017		— —	30.667 66.818		22-00-06009.000 22-00-06039.000			
			161	583/584	29.17	0.322	0	0	0		28.848	—		22-00-02026.000			
			"	"	38.40	0	0	0	0		—	38.40		22-00-06010.000			
			161	583/584	28.10	0	0	0	0		—	28.10					
			331	457	194.610	1.442	0.726	0.391	0.335		28.848	163.985					
5-X		17					0.012	0	0.012	↓			↓		CHANNEL EASEMENT		
5-T		17					0.019	0	0.019	NO			STATE		TEMP. EASEMENT TO BUILD CHANNEL #		
6	JAMES D. REECE, JR. & DEBORAH L. REECE	15													NO R/W REQUIRED		

# DURATION OF TEMPORARY EASEMENT 18 MONTHS IN 6 MONTH INCREMENTS

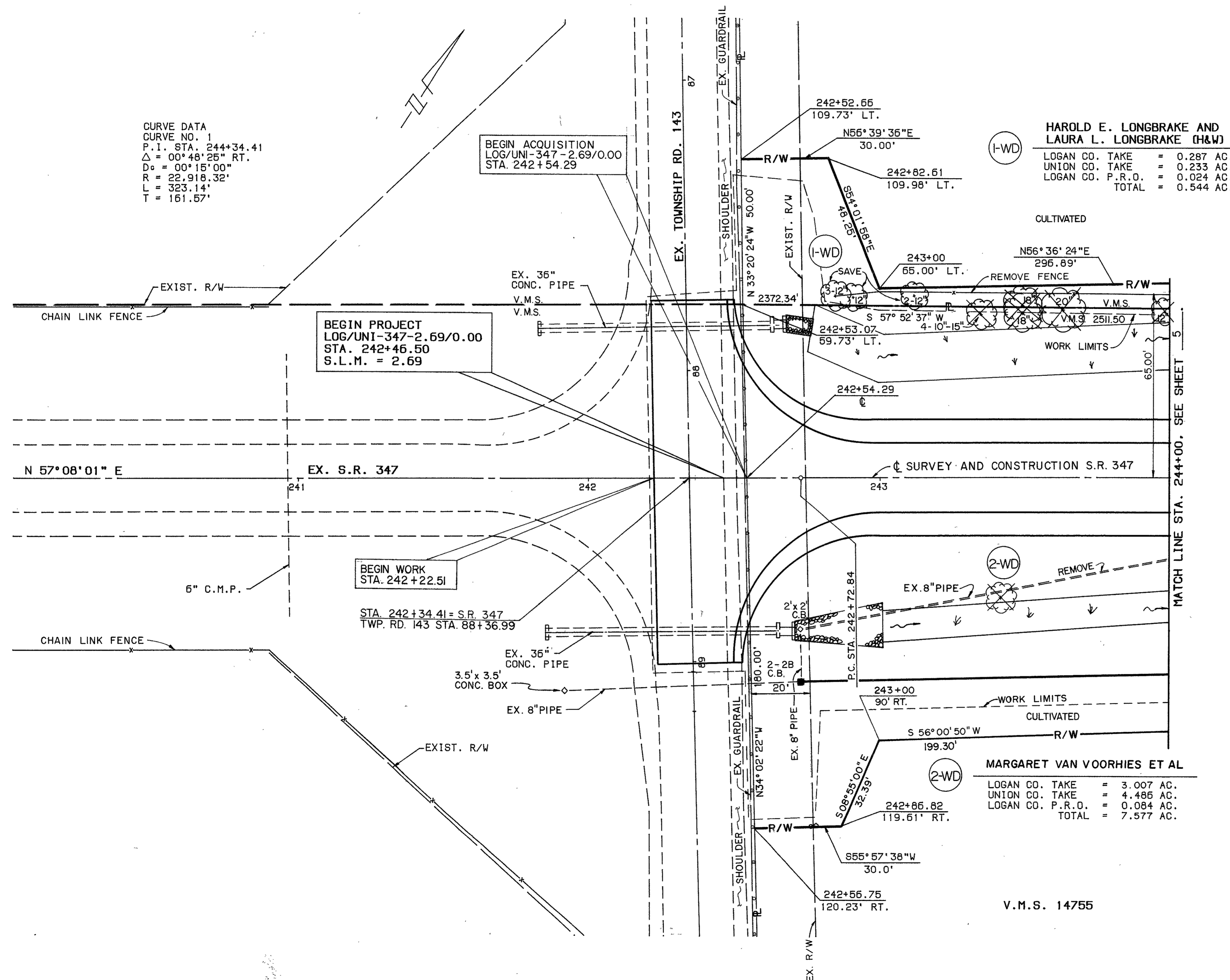
TYPE FUNDS: STATE	
COMPLETION DATE	DESCRIPTION
RDM 5-2-94	Revd. acreage for Pcl. 4WD
RDM 5-3-94	Revd. recording data for Pcls. 2, 4 & 5

PERRY TOWNSHIP  
LOGAN COUNTY  
V.M.S. 6232, 14755

DATE BY DATE	LOG/UNI-347- 2.69/0.00	OHIO FHWA REGION 5	64 81
FEDERAL PROJECT	STATE PROJECT	06555(O)	4 21



CURVE DATA  
CURVE NO. 1  
P.I. STA. 244+34.41  
 $\Delta = 00^\circ 48' 25''$  RT.  
 $D = 00^\circ 15' 00''$   
 $R = 22,918.32'$   
 $L = 323.14'$   
 $T = 161.57'$



HAROLD E. LONGBRAKE AND  
LAURA L. LONGBRAKE (H&W)  
LOGAN CO. TAKE = 0.287 AC.  
UNION CO. TAKE = 0.233 AC.  
LOGAN CO. P.R.O. = 0.024 AC.  
TOTAL = 0.544 AC.

(1-WD)

(2-WD)

(2-WD)

MARGARET VAN VOORHIES ET AL  
LOGAN CO. TAKE = 3.007 AC.  
UNION CO. TAKE = 4.486 AC.  
LOGAN CO. P.R.O. = 0.084 AC.  
TOTAL = 7.577 AC.

V.M.S. 14755

TYPE FUNDS : STATE

COMPLETION DATE		DESCRIPTION
REV.	DATE	
RDM	5-3-94	Revised ownership of Pcl. 2

PERRY TOWNSHIP  
LOGAN COUNTY  
V.M.S. 6232, 14755

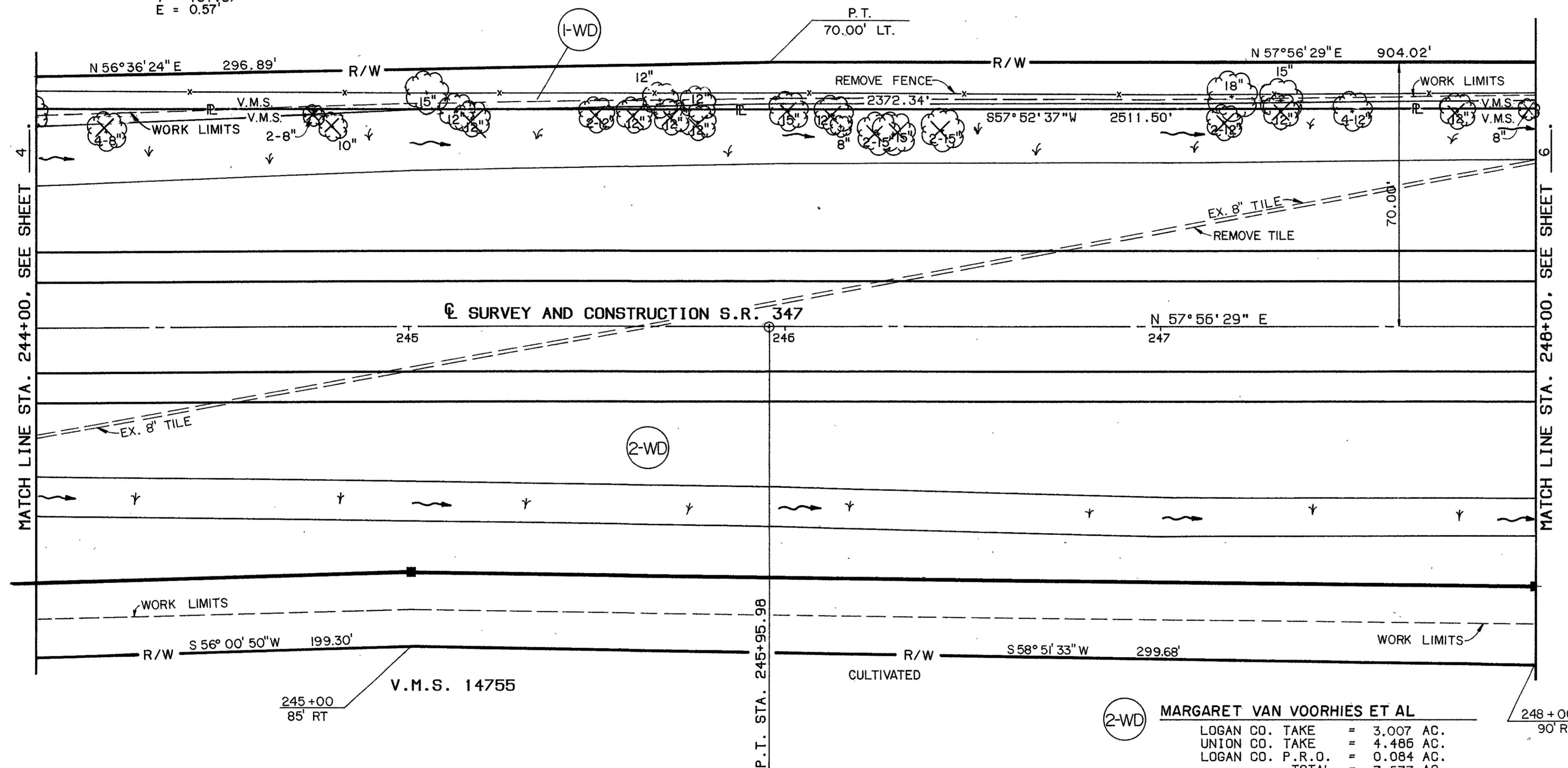


CALC BY: <b>ONB</b> DATE: <b>10-12</b>	LOG/UNI-347-	OHIO	65
CHKD BY: <b>ONB</b> DATE: <b>10-12</b>	2.69/0.00	FHWA REGION 5	81
FEDERAL PROJECT	STATE PROJECT	06555(0)	5
			21

CURVE DATA  
CURVE NO. 1  
P.I. STA. 244+34.41  
 $\Delta = 00^\circ 48' 25''$  RT.  
D =  $00^\circ 15' 00''$   
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L = 323.14'  
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V.M.S. 6232

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LAURA L. LONGBRAKE, H&W**  
LOGAN CO. TAKE = 0.287 AC.  
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TOTAL = 0.544 AC.



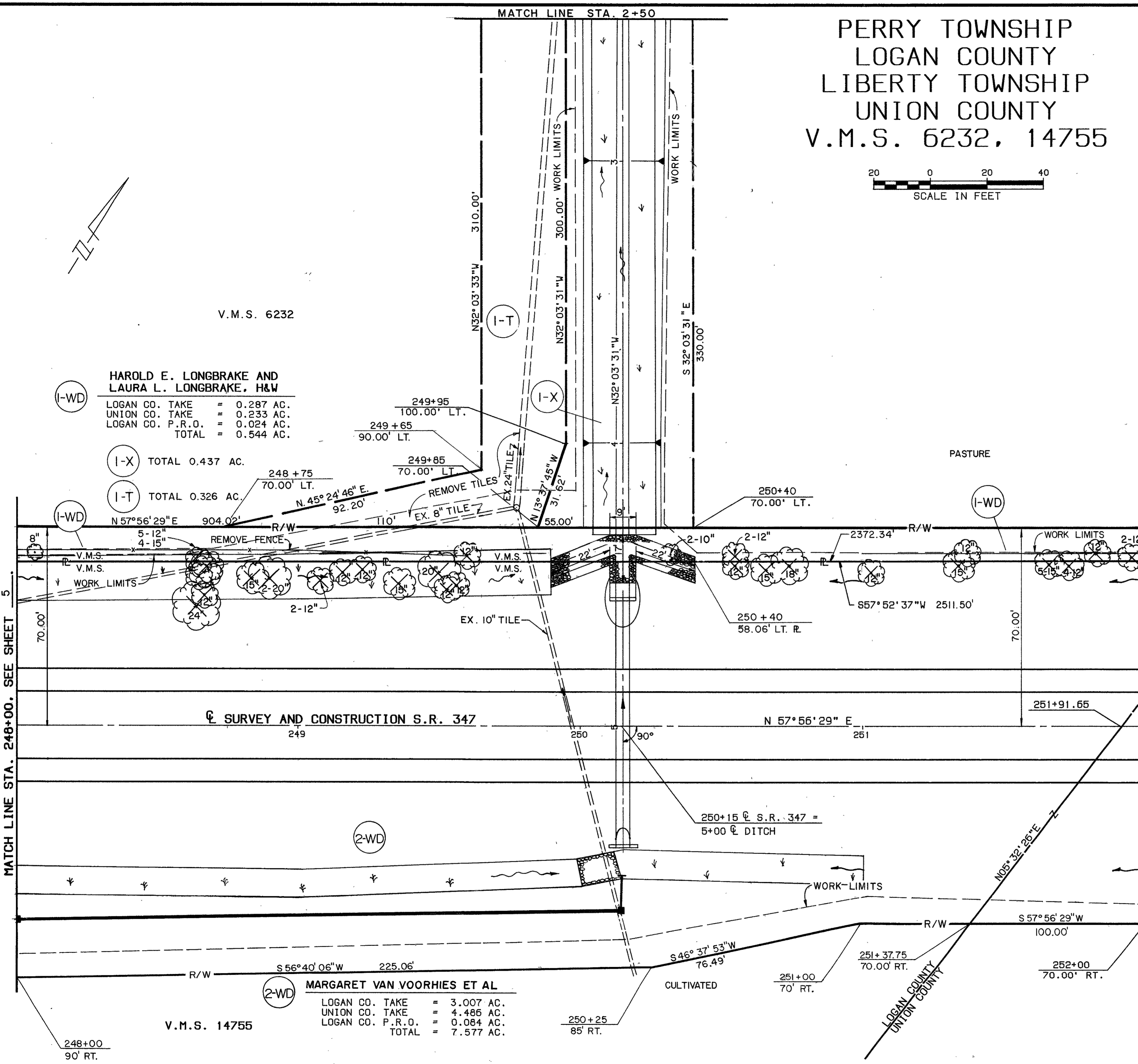
**MARGARET VAN VOORHIES ET AL**  
LOGAN CO. TAKE = 3.007 AC.  
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TYPE FUNDS - STATE		
COMPLETION DATE		
REV.	DATE	DESCRIPTION
RDM	5-3-94	Revised ownership of Pcl. 2

PERRY TOWNSHIP  
 LOGAN COUNTY  
 LIBERTY TOWNSHIP  
 UNION COUNTY  
 V.M.S. 6232, 14755



CALC BY: <b>ONE</b> DATE: <b>10-12</b>	LOG/UNI-347-	OHIO	66
CHKD BY: <b>ONE</b> DATE: <b>10-12</b>	2.69/0.00	FHWA REGION 5	81
FEDERAL PROJECT	STATE PROJECT	06555(0)	6
			21



HAROLD E. LONGBRAKE AND  
 LAURA L. LONGBRAKE, H&W

LOGAN CO. TAKE = 0.287 AC.  
 UNION CO. TAKE = 0.233 AC.  
 LOGAN CO. P.R.O. = 0.024 AC.  
 TOTAL = 0.544 AC.

(I-X) TOTAL 0.437 AC.

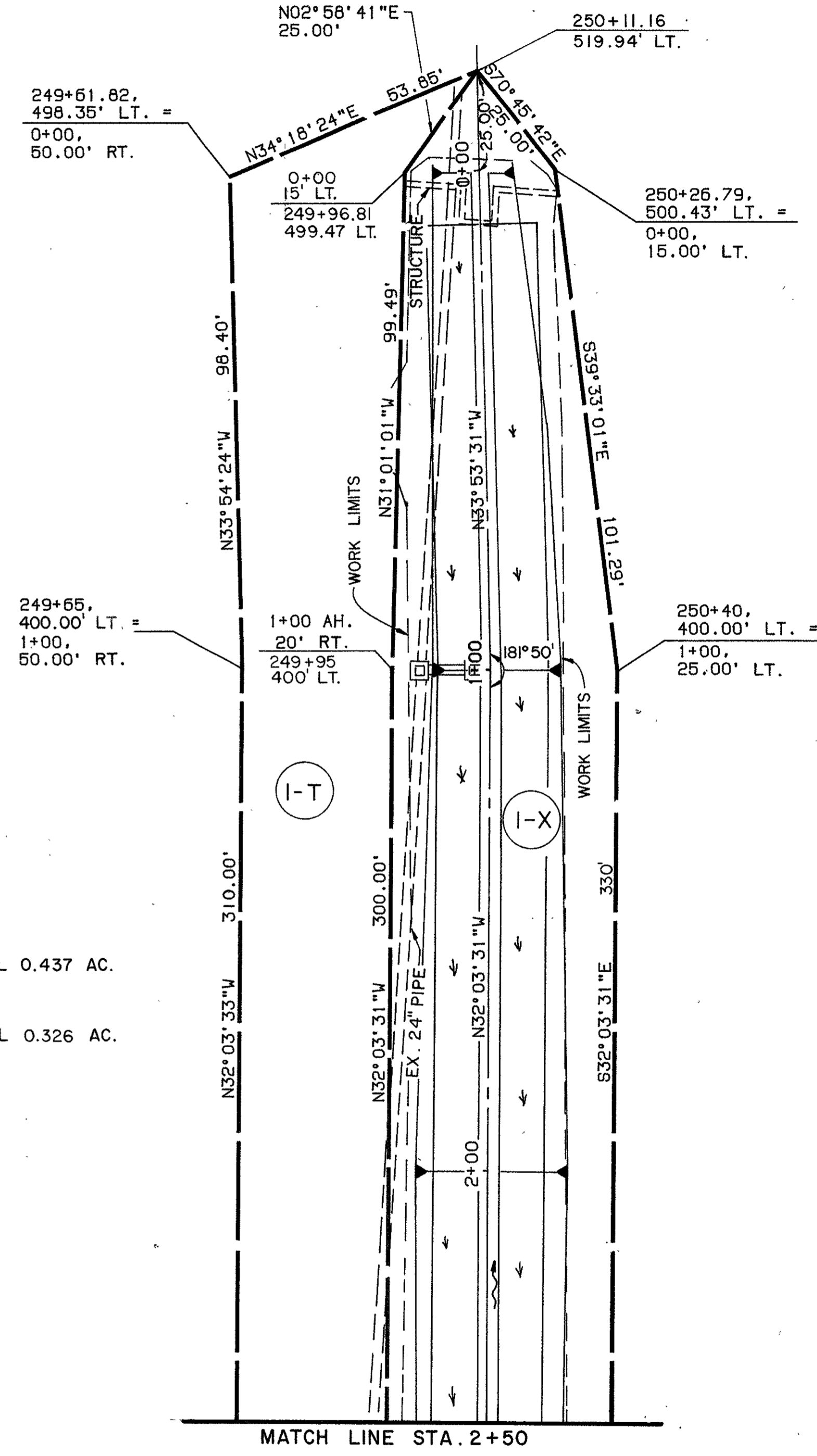
(I-T) TOTAL 0.326 AC.

MARGARET VAN VOORHIES ET AL

LOGAN CO. TAKE = 3.007 AC.  
 UNION CO. TAKE = 4.486 AC.  
 LOGAN CO. P.R.O. = 0.064 AC.  
 TOTAL = 7.577 AC.

(I-X) TOTAL 0.437 AC.

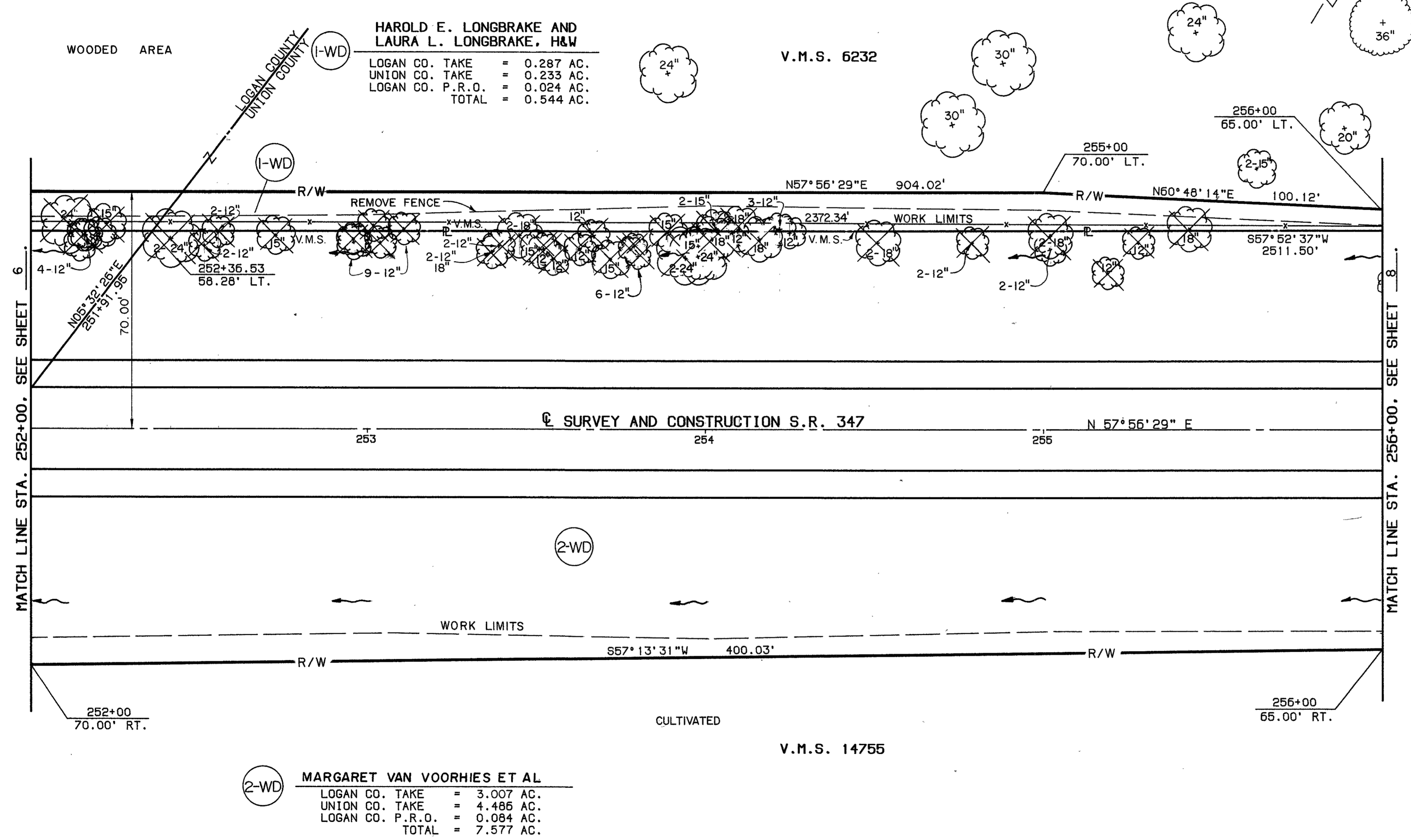
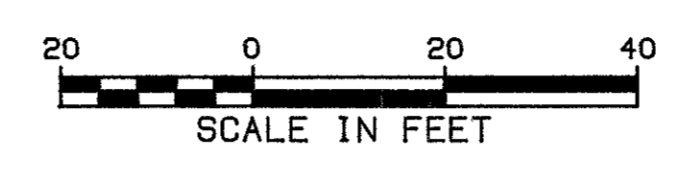
(I-T) TOTAL 0.326 AC.



TYPE FUNDS : STATE		
COMPLETION DATE		
REV.	DATE	DESCRIPTION
RDM	5-3-94	Revised ownership of Pcl. 2

PERRY TOWNSHIP  
 LOGAN COUNTY  
 LIBERTY TOWNSHIP  
 UNION COUNTY  
 V.M.S. 6232, 14755

CALC. BY: <i>JAM</i> DATE: <i>10-92</i>	LOG/UNI-347-	OHIO	67
CHKD BY: <i>CNO</i> DATE: <i>10-92</i>	2.69/0.00	FHWA REGION 5	81
FEDERAL PROJECT	STATE PROJECT	06555(0)	7
			21



**HAROLD E. LONGBRAKE AND  
 LAURA L. LONGBRAKE, H&W**  
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**MARGARET VAN VOORHIES ET AL**  
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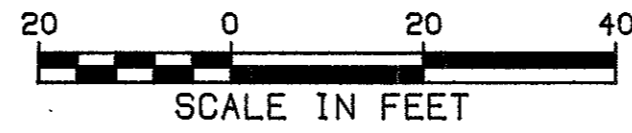
MATCH LINE STA. 252+00. SEE SHEET 6

MATCH LINE STA. 256+00. SEE SHEET 8

TYPE FUNDS - STATE		
COMPLETION DATE		
REV.	DATE	DESCRIPTION
RDM	5-3-94	Revised ownership of Pcl. 2

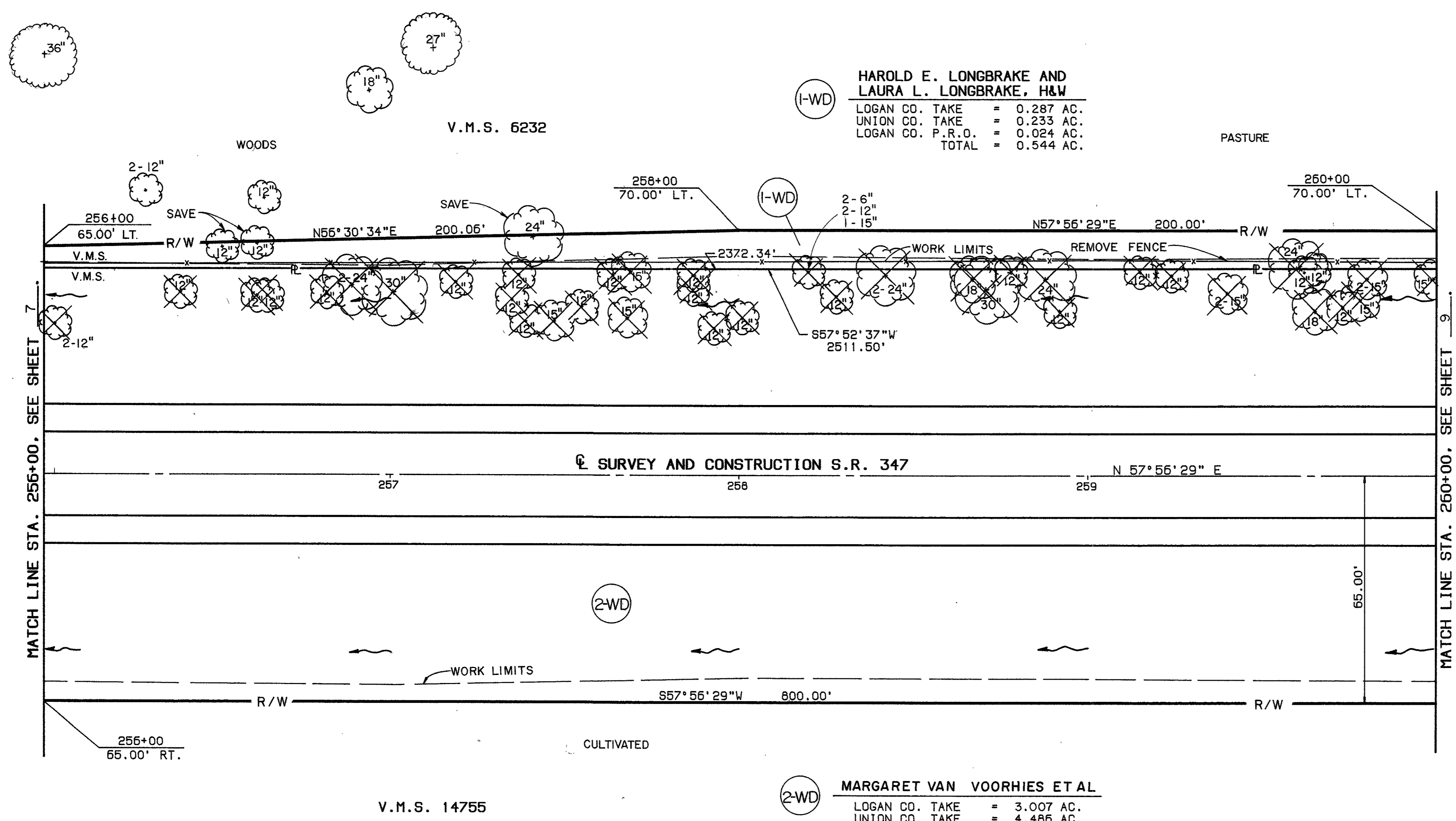


LIBERTY TOWNSHIP  
UNION COUNTY  
V.M.S. 6232, 14755



CALC BY DATE	LOG/UNI-347-	OHIO
CHKD BY DATE	2.69/0.00	FHWA REGION 5
FEDERAL PROJECT	STATE PROJECT	06555(0)

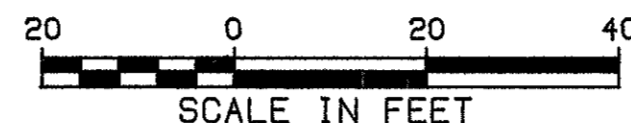
68  
81  
8  
21



TYPE FUNDS : STATE

COMPLETION DATE	
REV. DATE	DESCRIPTION
RDM 5-3-94	Revised ownership on Pcl. 2

LIBERTY TOWNSHIP  
UNION COUNTY  
V.M.S. 6232, 14755

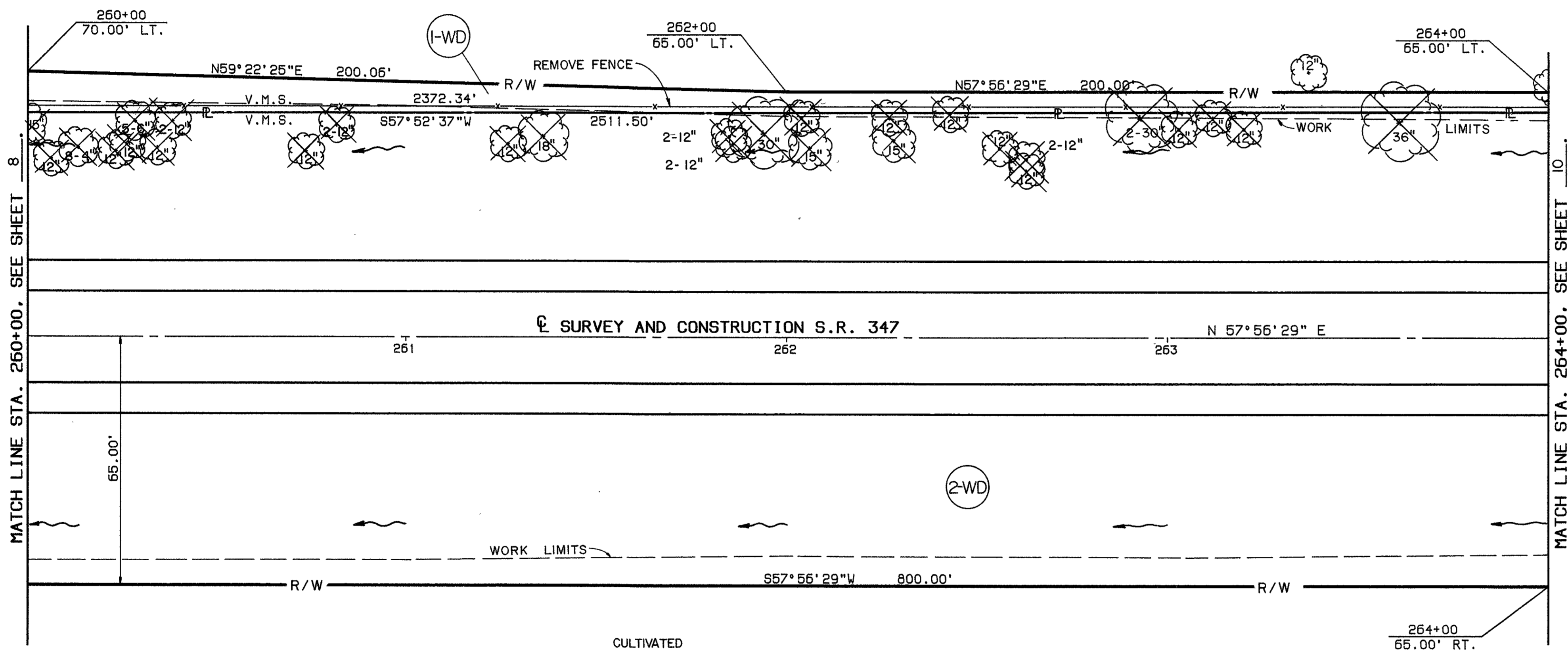


CALC. BY DATE DHW 10-92	LOG/UNI-347-	OHIO
CHKD. BY DATE CHG 10-92	2.69/0.00	FHWA REGION 5
FEDERAL PROJECT	STATE PROJECT	06555(0)

69
81
9
21

V.M.S. 6232

(1-WD) HAROLD E. LONGBRAKE AND  
LAURA L. LONGBRAKE, H&W  
LOGAN CO. TAKE = 0.287 AC.  
UNION CO. TAKE = 0.233 AC.  
LOGAN CO. P.R.O. = 0.024 AC.  
TOTAL = 0.544 AC.



V.M.S. 14755

(2-WD) MARGARET VAN VOORHIES ET AL  
LOGAN CO. TAKE = 3.007 AC.  
UNION CO. TAKE = 4.486 AC.  
LOGAN CO. P.R.O. = 0.084 AC.  
TOTAL = 7.577 AC.

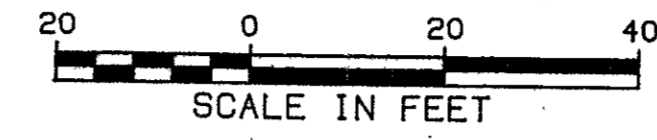
TYPE FUNDS - STATE

COMPLETION DATE		DESCRIPTION
REV.	DATE	
RDM	5-3-94	Revised ownership of Pcl. 2



LIBERTY TOWNSHIP  
 UNION COUNTY  
 V.M.S. 6232, 14755

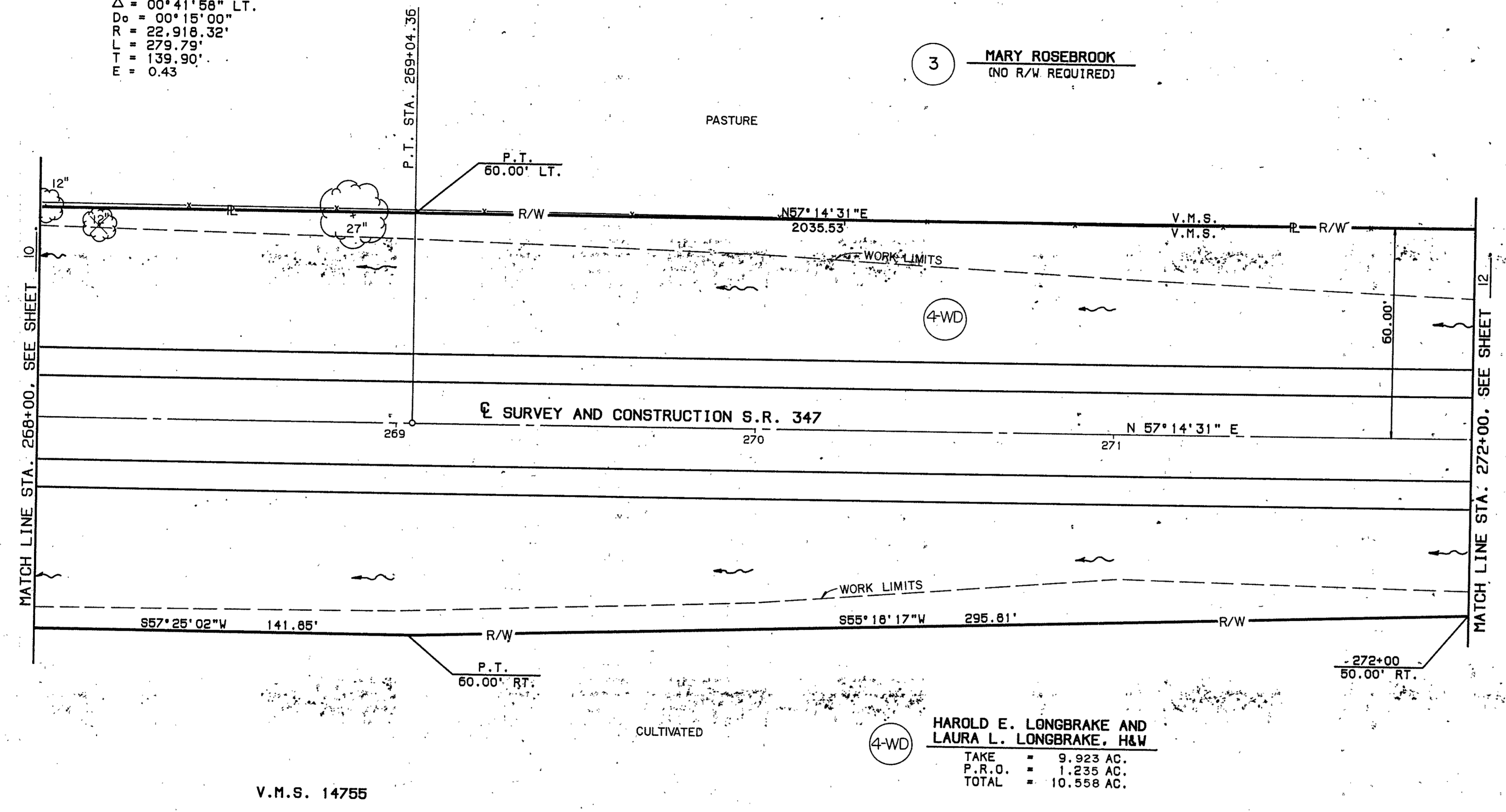
CALC BY: COMH DATE: 12-92	LOG/UNI-347	OHIO	71
CHKD BY: GNC DATE: 10-92	2.69/0.00	FHWA REGION 5	81
FEDERAL PROJECT		STATE PROJECT	06555(O)



CURVE DATA  
 CURVE NO. 2  
 P.I. STA. 267+64.48  
 $\Delta = 00^{\circ}41'58''$  LT.  
 $D_o = 00^{\circ}15'00''$   
 $R = 22,918.32'$   
 $L = 279.79'$   
 $T = 139.90'$   
 $E = 0.43$

V.M.S. 6232

3 MARY ROSEBROOK  
 (NO R/W REQUIRED)



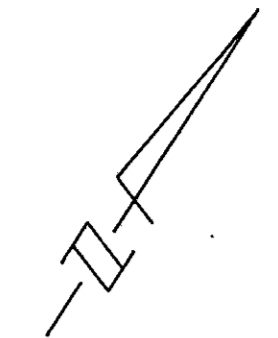
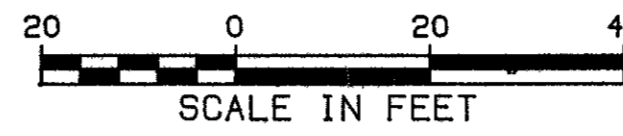
4-WD  
 HAROLD E. LONGBRAKE AND  
 LAURA L. LONGBRAKE, H&W  
 TAKE = 9.923 AC.  
 P.R.O. = 1.235 AC.  
 TOTAL = 10.558 AC.

V.M.S. 14755

TYPE FUNDS & STATE		
COMPLETION DATE		
REV.	DATE	DESCRIPTION

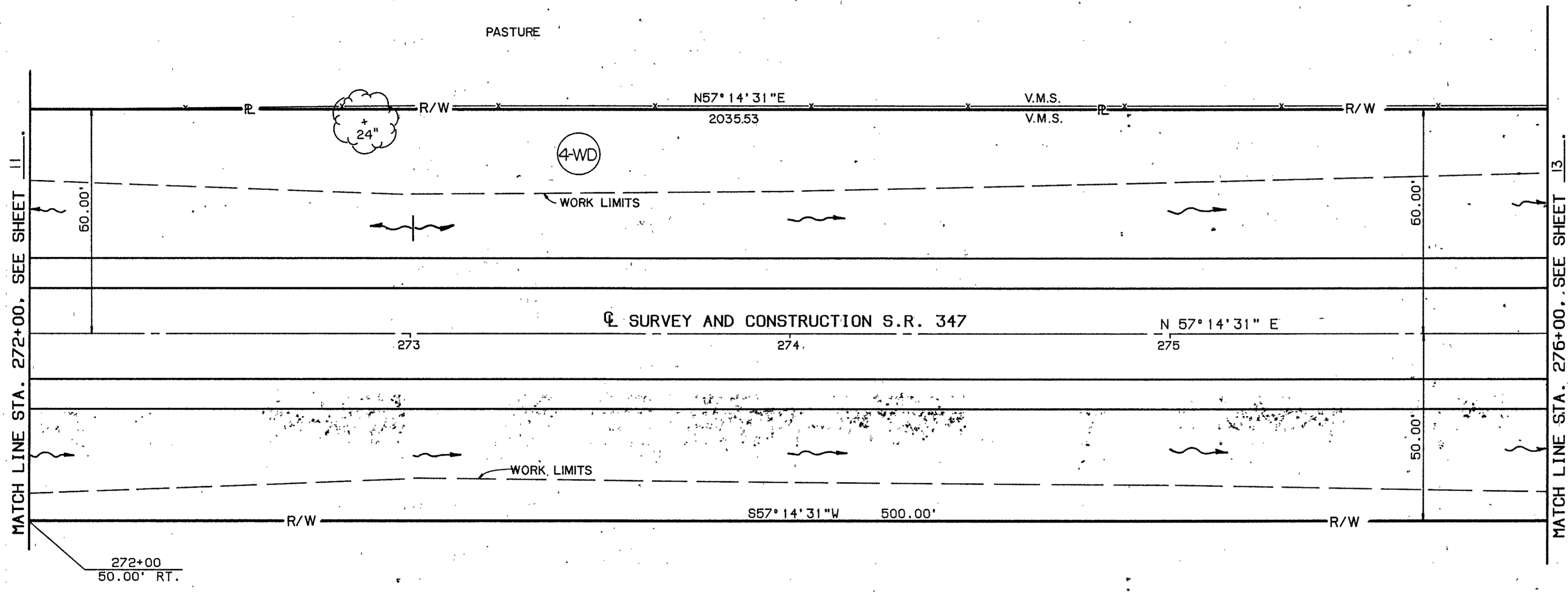
LIBERTY TOWNSHIP  
 UNION COUNTY  
 V.M.S. 6232, 14755

DATE 10-12	LOG/UNI-347-	OHIO	72
CHKD BY CNG	2.69/0.00	FHWA REGION 5	81
FEDERAL PROJECT	STATE PROJECT	06555(O)	12
			21



V.M.S. 6232

3 MARY ROSEBROOK  
 (NO R/W REQUIRED)



V.M.S. 14755

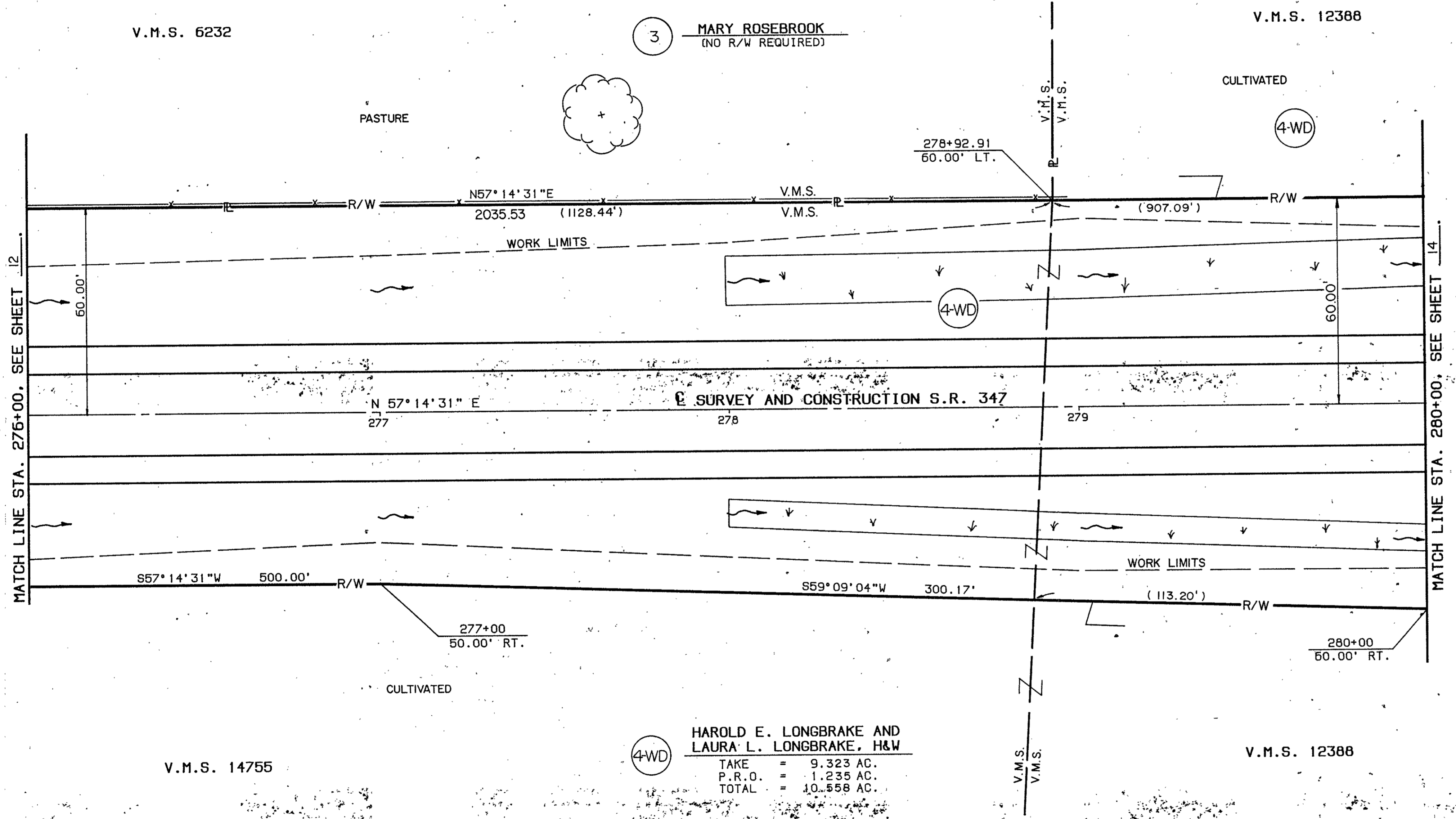
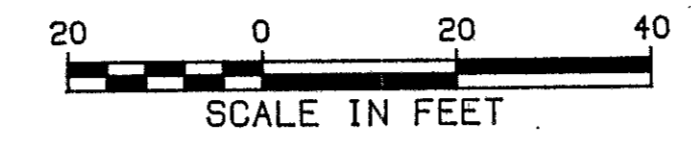
CULTIVATED

4-WD HAROLD E. LONGBRAKE AND  
 LAURA L. LONGBRAKE, H&W  
 TAKE = 9.323 AC.  
 P.R.D. = 1.235 AC.  
 TOTAL = 10.558 AC.

TYPE FUNDS - STATE		
COMPLETION DATE		
REV.	DATE	DESCRIPTION

LIBERTY TOWNSHIP  
 UNION COUNTY  
 V.M.S. 6232, 14755, 12388

CHG. BY DATE	LOG/UNI-347- 2.69/0.00	OHIO FHWA REGION 5	73 81
FEDERAL PROJECT	STATE PROJECT	06555(0)	13 21

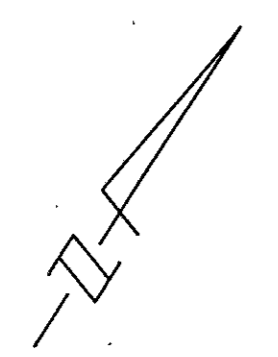
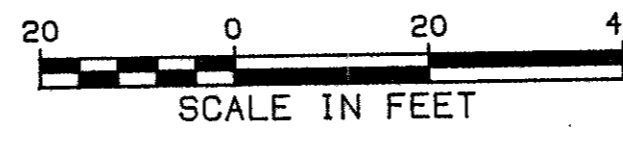


TYPE FUNDS = STATE

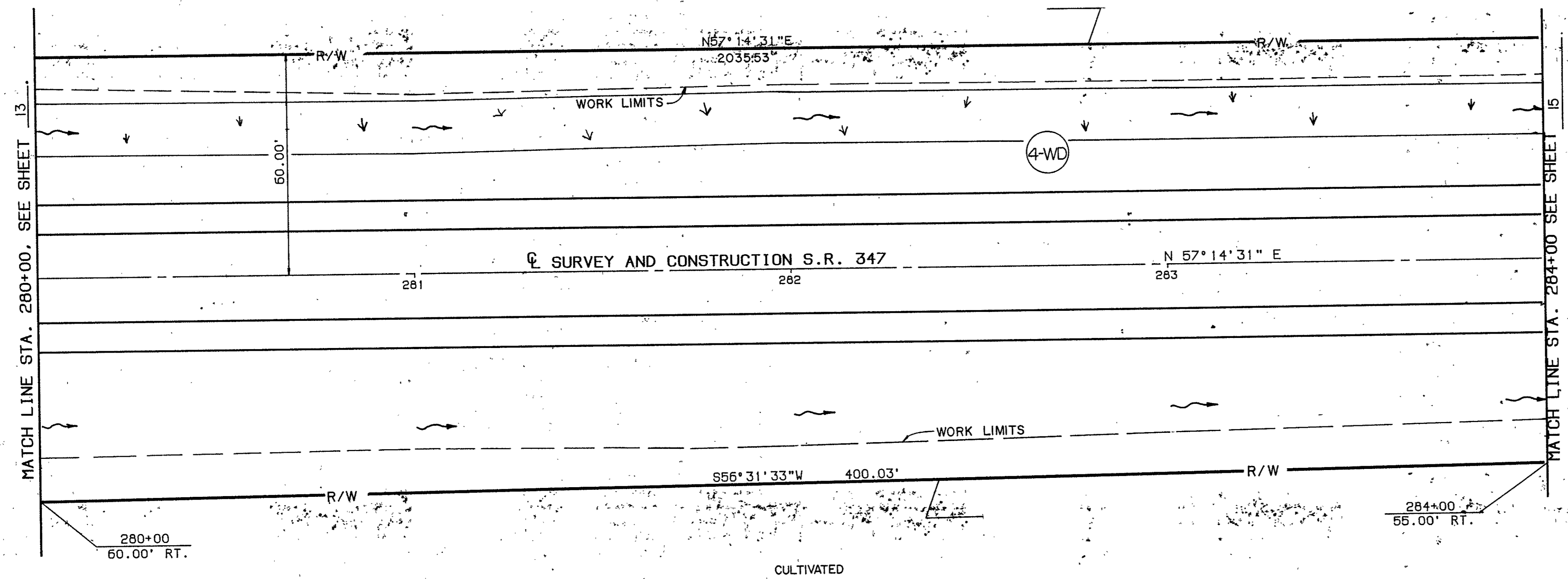
COMPLETION DATE		DESCRIPTION
REV.	DATE	

LIBERTY TOWNSHIP  
 UNION COUNTY  
 V.M.S. 12388

CAD BY: <i>AMK</i> DATE: <i>10-9-02</i>	LOG/UNI-347-	OHIO	74
CHKD BY: <i>BHG</i> DATE: <i>10-9-02</i>	2.69/0.00	FHWA REGION 5	81
FEDERAL PROJECT		STATE PROJECT	06555(0)
			14
			21



(4-WD) HAROLD E. LONGBRAKE AND  
 LAURA L. LONGBRAKE, H&W  
 TAKE = 9.323 AC.  
 P.R.O. = 1.235 AC.  
 TOTAL = 10.558 AC.



TYPE FUNDS : STATE

COMPLETION DATE		DESCRIPTION
REV.	DATE	

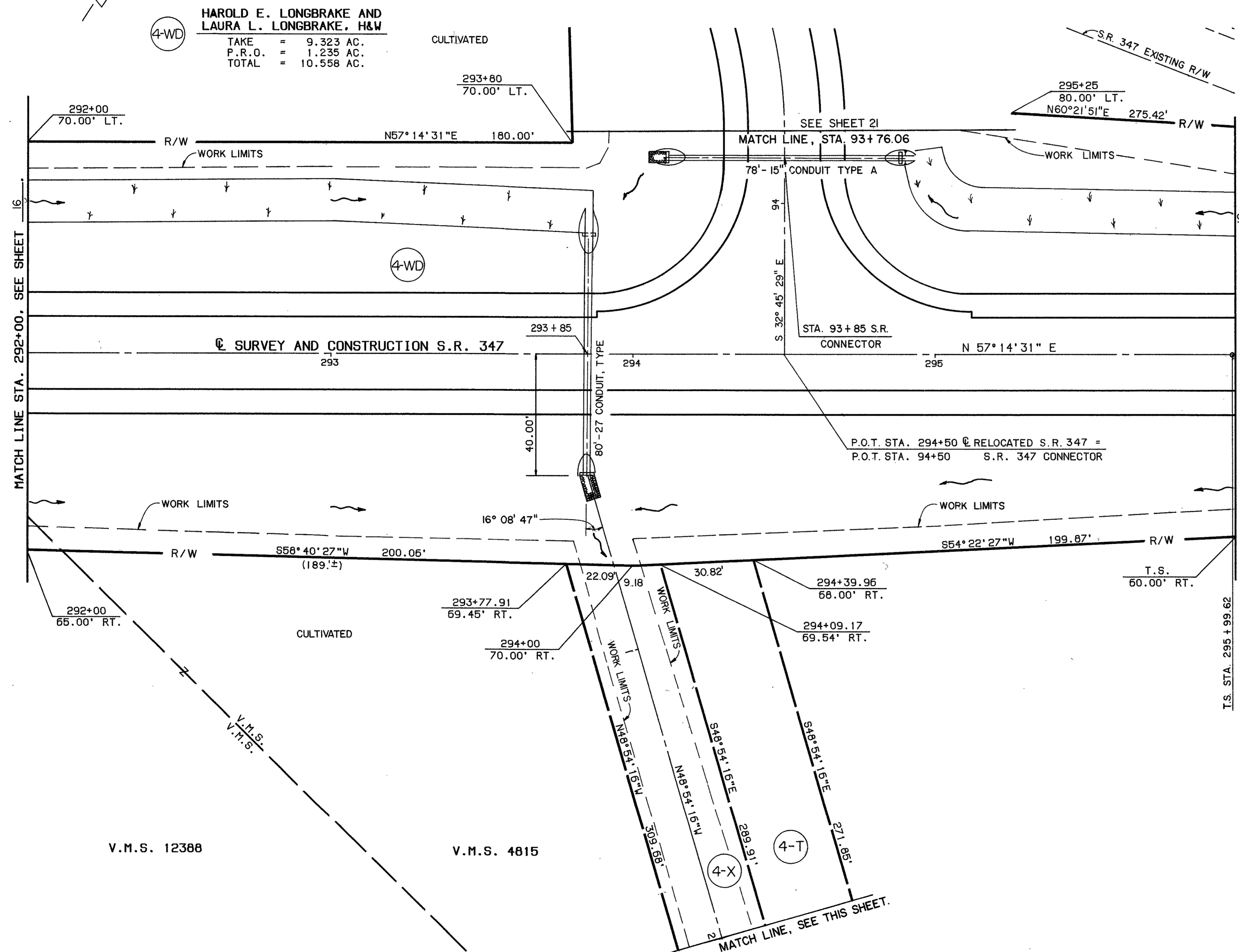




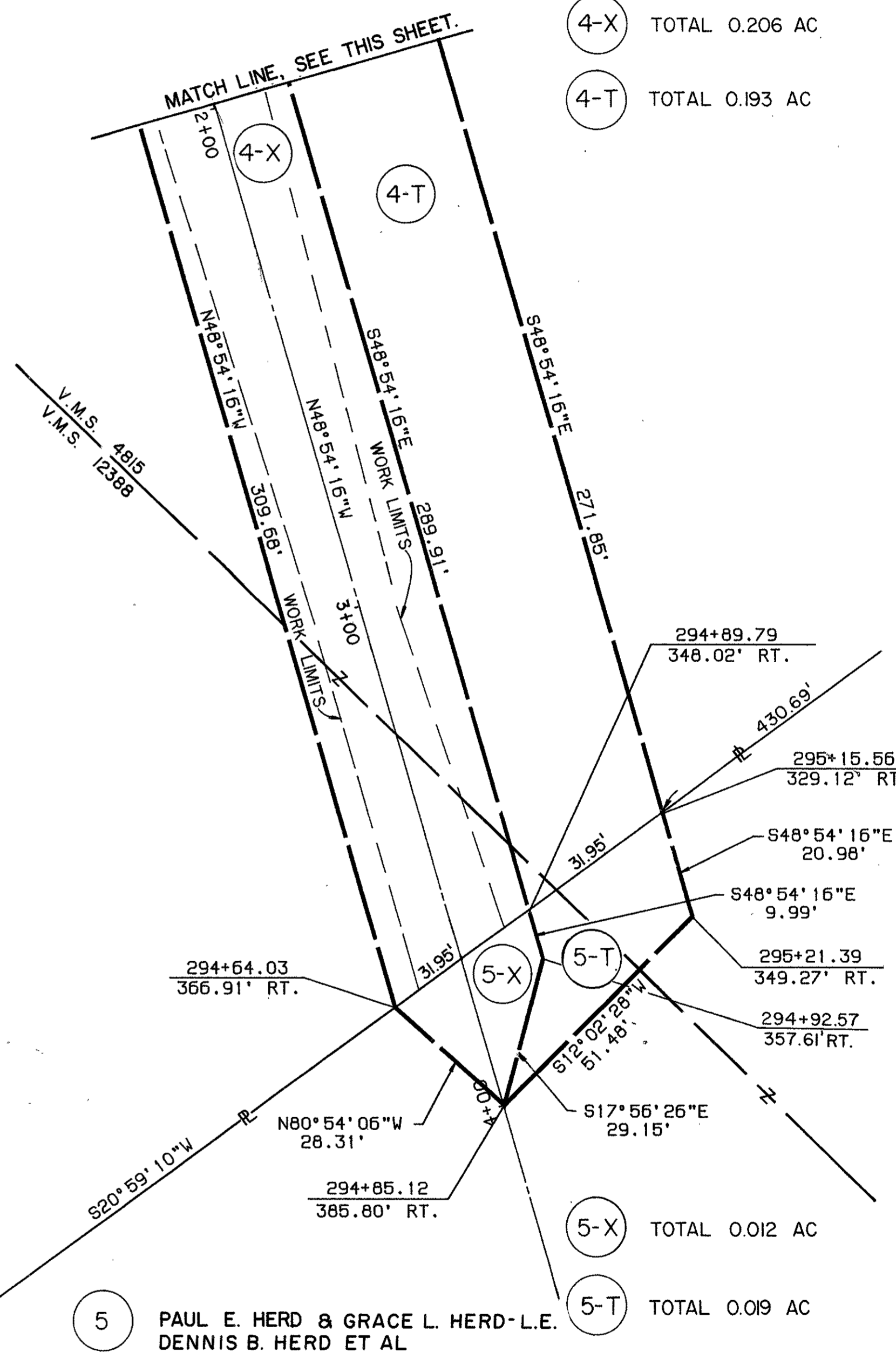


LIBERTY TOWNSHIP  
UNION COUNTY  
V.M.S. 12388, 4815

CALC. BY DATE CNG 10-12	LOG/UNI-347- 2.69/0.00	OHIO FHWA REGION 5	77 81
FEDERAL PROJECT	STATE PROJECT	06555 (0)	17 21



4-WD  
HAROLD E. LONGBRAKE AND  
LAURA L. LONGBRAKE, H&W  
TAKE = 9.323 AC.  
P.R.O. = 1.235 AC.  
TOTAL = 10.558 AC.



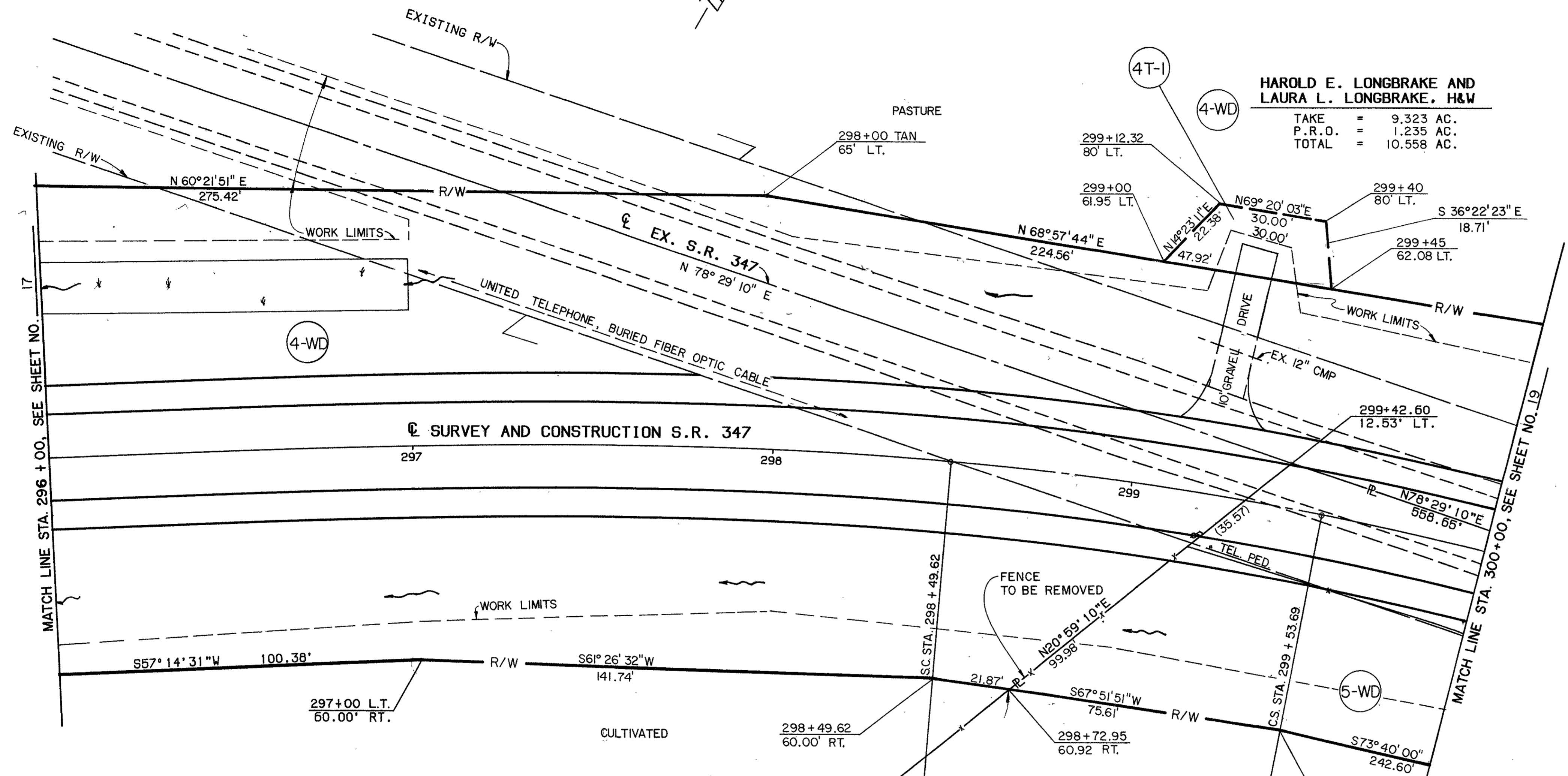
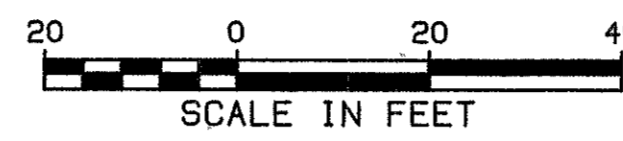
V.M.S. 12388  
V.M.S. 4815

TYPE FUNDS: STATE

COMPLETION DATE		DESCRIPTION
REV.	DATE	
RDM	5-3-94	Revised ownership of Pcl. 5

LIBERTY TOWNSHIP  
UNION COUNTY  
V.M.S. 4815

CALC. BY DATE	LOG/UNI-347-	OHIO	78
CHECKED BY DATE	2.69/0.00	FHWA REGION 5	81
FEDERAL PROJECT	STATE PROJECT	06555(0)	18
			21



**HAROLD E. LONGBRAKE AND LAURA L. LONGBRAKE, H&W**  
 TAKE = 9.323 AC.  
 P.R.O. = 1.235 AC.  
 TOTAL = 10.558 AC.

4T-1 TAKE = 0.016 ACRES

4-WD  
**HAROLD E. LONGBRAKE AND LAURA L. LONGBRAKE, H&W**  
 TAKE = 9.323 AC.  
 P.R.O. = 1.235 AC.  
 TOTAL = 10.558 AC.

**CURVE DATA**  
 CURVE NO. 3  
 P.I. STA. 299+04.15  
 $\Delta t = 21^\circ 14' 39''$  RT.  
 $\Delta o = 6^\circ 14' 39''$  RT.  
 $D_o = 6^\circ 00' 00''$   
 R = 954.93'  
 L = 104.07'  
 T = 52.09'  
 E = 1.42'  
**SPIRAL DATA**  
 Ls = 250'  
 $O_s = 7^\circ 30' 00''$   
 S.T. = 83.47'  
 L.T. = 156.82'  
 Ts = 304.53'  
 Es = 19.43'  
 x = 249.57'  
 y = 10.90'  
 p = 2.73'  
 k = 124.93'  
 L.C. = 249.81'

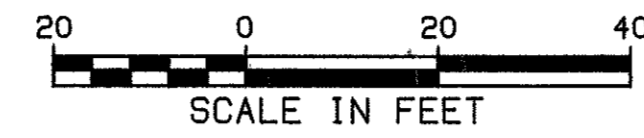
5-WD  
**PAUL E. HERD & GRACE L. HERD-L.E. DENNIS B. HERD ET AL**  
 TAKE = 0.335 AC.  
 P.R.O. = 0.391 AC.  
 TOTAL = 0.726 AC.

TYPE FUNDS: STATE

COMPLETION DATE		DESCRIPTION
REV.	DATE	
RDM	5-3-94	Revised ownership of Pcl. 5

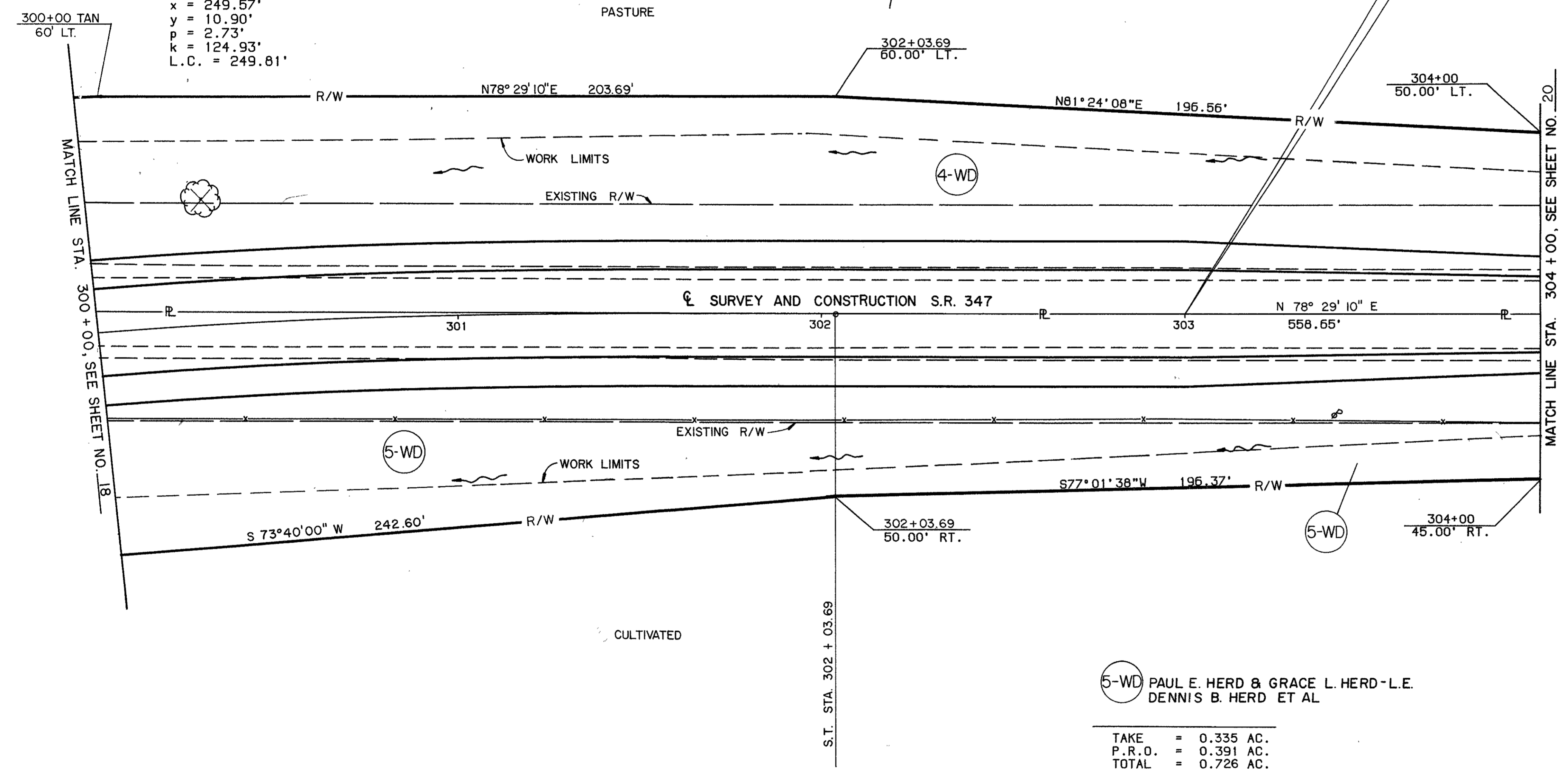
LIBERTY TOWNSHIP  
UNION COUNTY  
V.M.S. 4815

CALC. BY: <b>CHB</b> DATE: <b>10-92</b>	LOG/UNI-347- 2.69/0.00	OHIO FHWA REGION 5	79 81
FEDERAL PROJECT	STATE PROJECT	06555(0)	19 21



CURVE DATA  
 CURVE NO. 3  
 P.I. STA. 299+04.15  
 $\Delta t = 21^\circ 14' 39''$  RT.  
 $\Delta c = 6^\circ 14' 39''$  RT.  
 $D_c = 6^\circ 00' 00''$   
 $R = 954.93'$   
 $L = 104.07'$   
 $T = 52.09'$   
 $E = 1.42'$   
 SPIRAL DATA  
 $L_s = 250'$   
 $O_s = 7^\circ 30' 00''$   
 $S.T. = 83.47'$   
 $L.T. = 166.82'$   
 $T_s = 304.53'$   
 $E_s = 19.43'$   
 $x = 249.57'$   
 $y = 10.90'$   
 $p = 2.73'$   
 $k = 124.93'$   
 $L.C. = 249.81'$

(4-WD)  
 HAROLD E. LONGBRAKE AND  
 LAURA L. LONGBRAKE, H&W  
 TAKE = 9.323 AC.  
 P.R.O. = 1.235 AC.  
 TOTAL = 10.558 AC.  
 END PROJECT  
 STA. 303+00.00  
 S.R. 347  
 S.L.M. = 0.97



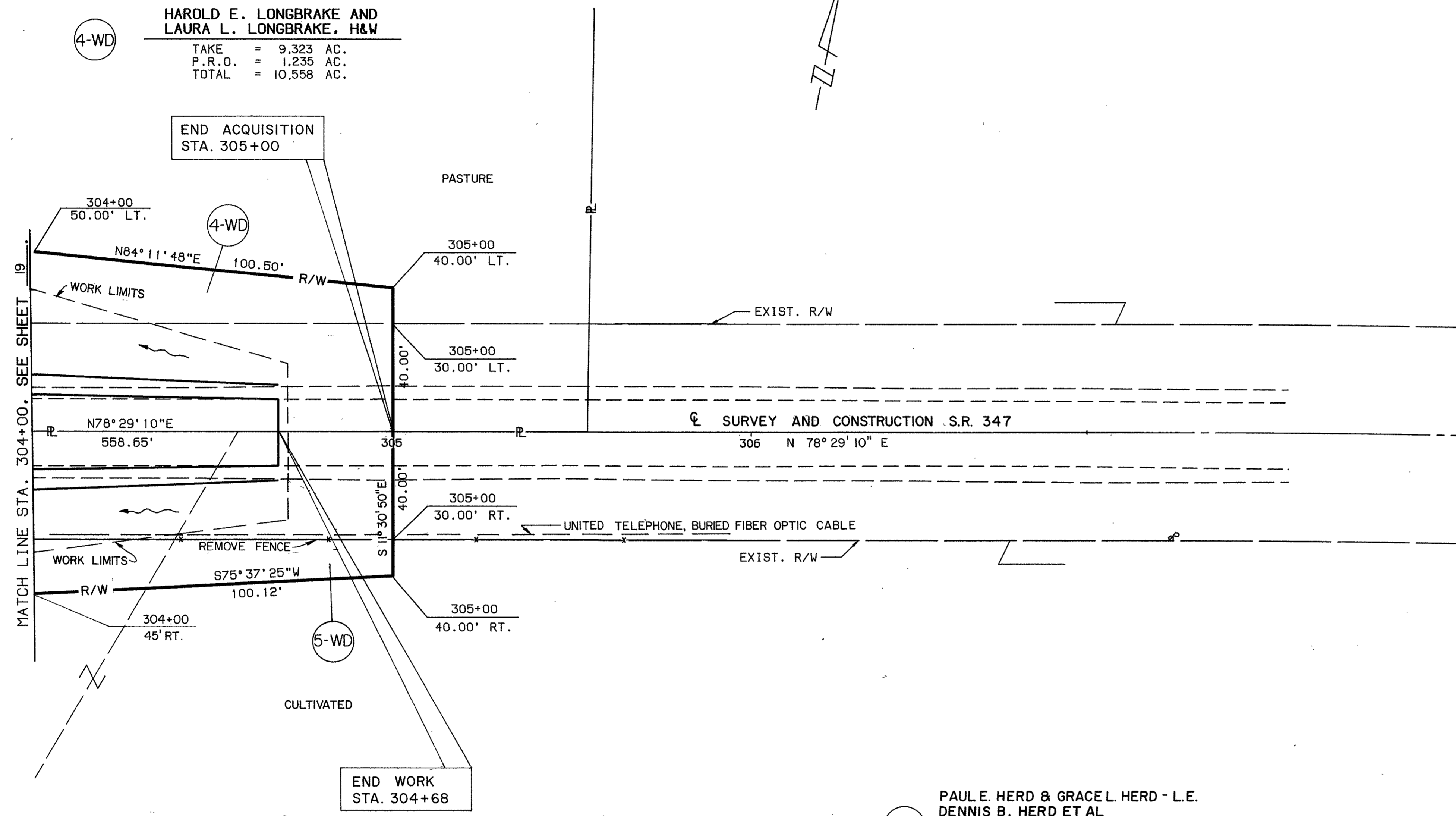
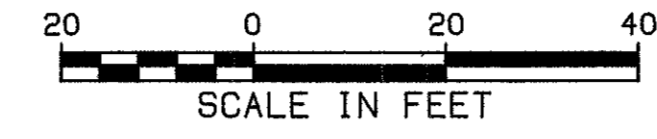
(5-WD) PAUL E. HERD & GRACE L. HERD-L.E.  
 DENNIS B. HERD ET AL  
 TAKE = 0.335 AC.  
 P.R.O. = 0.391 AC.  
 TOTAL = 0.726 AC.

TYPE FUNDS: STATE

COMPLETION DATE	
REV. DATE	DESCRIPTION
RDM 5-3-94	Revise ownership of Pcl. 5

LIBERTY TOWNSHIP  
 UNION COUNTY  
 V.M.S. 4815

CALC. BY DATE 10/12	LOG/UNI-347-	OHIO	80
CHKD BY DATE 10-92	2.69/0.00	FHWA REGION 5	81
FEDERAL PROJECT	STATE PROJECT	06555(0)	20
			21



4-WD  
 HAROLD E. LONGBRAKE AND  
 LAURA L. LONGBRAKE, H&W  
 TAKE = 9,323 AC.  
 P.R.O. = 1,235 AC.  
 TOTAL = 10,558 AC.

END ACQUISITION  
 STA. 305+00

5-WD  
 PAUL E. HERD & GRACE L. HERD - L.E.  
 DENNIS B. HERD ET AL  
 TAKE = 0.335 AC.  
 P.R.O. = 0.391 AC.  
 TOTAL = 0.726 AC.

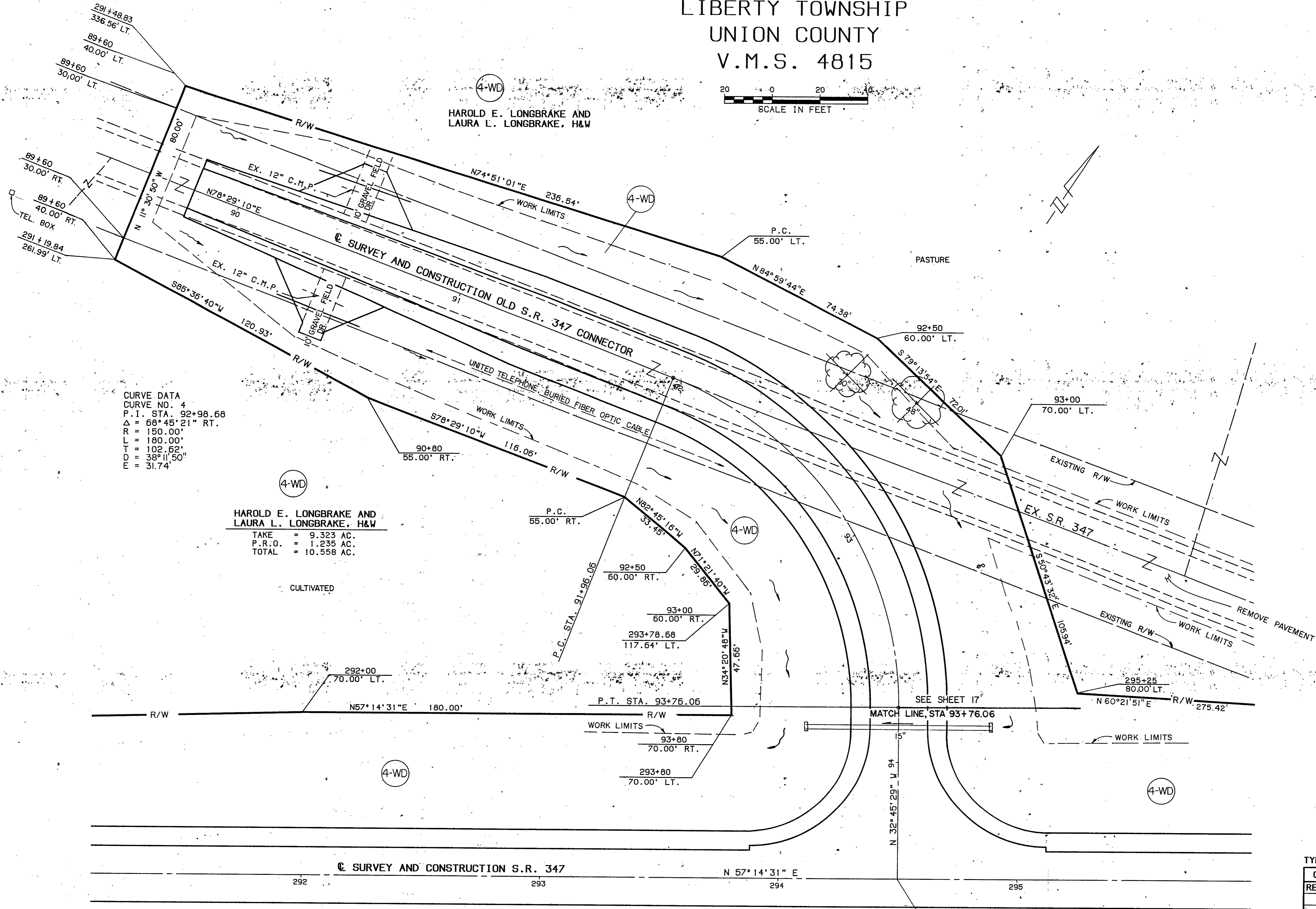
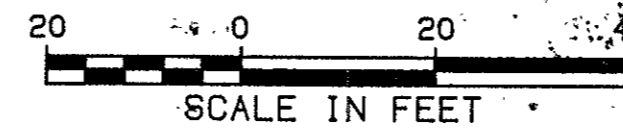
END WORK  
 STA. 304+68

TYPE FUNDS: STATE

REV.	DATE	DESCRIPTION
RDM	5-3-94	Revised ownership of Pcl. 5

LIBERTY TOWNSHIP  
UNION COUNTY  
V.M.S. 4815

CALC. BY DATE 11/12	LOG/UNI-347-	OHIO	81
CHECKED BY DATE 10-12	2.69/0.00	FHWA REGION 5	81
FEDERAL PROJECT	STATE PROJECT	06555 (0)	21
			21



CURVE DATA  
CURVE NO. 4  
P.I. STA. 92+98.68  
Δ = 68°45'21" RT.  
R = 150.00'  
L = 180.00'  
T = 102.62'  
D = 38°11'50"  
E = 31.74'

HAROLD E. LONGBRAKE AND  
LAURA L. LONGBRAKE, H&W  
TAKE = 9.323 AC.  
P.R.O. = 1.235 AC.  
TOTAL = 10.558 AC.

CULTIVATED

SEE SHEET 17  
MATCH LINE, STA 93+76.06

STA. 294+50 C. S.R. 347 =  
STA. 94+50 OLD S.R. 347 CONNECTOR

TYPE FUNDS : STATE

COMPLETION DATE		DESCRIPTION
REV.	DATE	