

CALC. BY: <i>CH</i> DATE: 10-92	LOG/UNI-347- 2.69/0.00	OHIO
CHKD BY: <i>CH</i> DATE: 10-92	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.

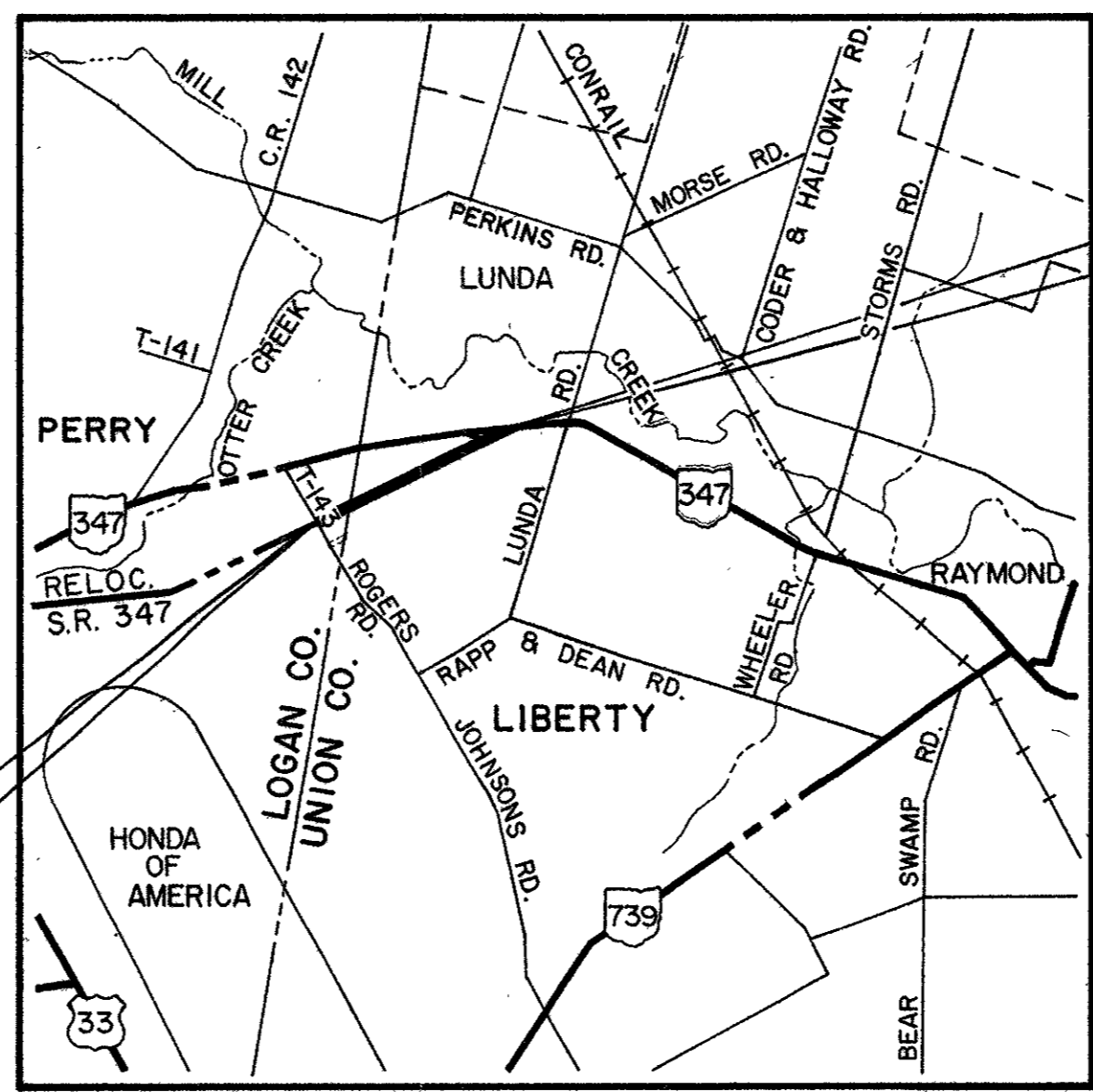
I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT DETOURS WILL BE PROVIDED AS INDICATED ON THE PLANS.

CONVENTIONAL SIGNS

COUNTY LINE	-----	LIMITED ACCESS (ONLY)	----- L A	"RIGHT-OF-WAY ONLY"
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---	PROPERTY LINE (IN EXISTING FENCE)	---x---x---	
CENTERLINE	-----	RAILROAD	+++++ OR +++++	
TREES, STUMPS (TO BE REMOVED)	⊗, ⊗	GUARDRAIL (EXISTING)	o-o-o (PROPOSED)	
UTILITY POLE: TELEPHONE Ⓣ, POWER Ⓢ, LIGHT Ⓛ		WORK LIMITS	----- WORK LIMITS	

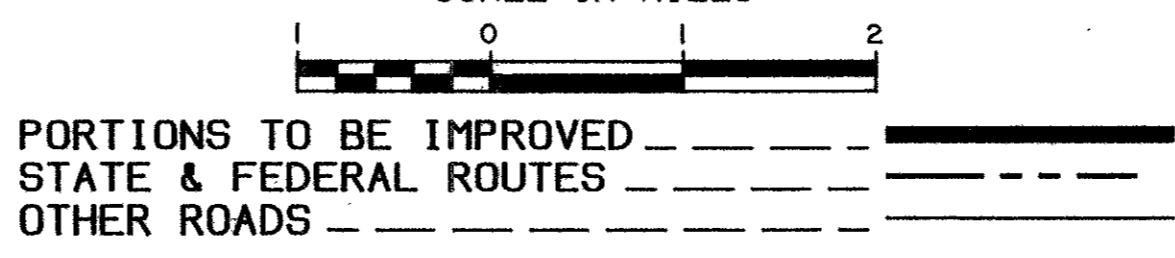
INDEX OF SHEETS

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



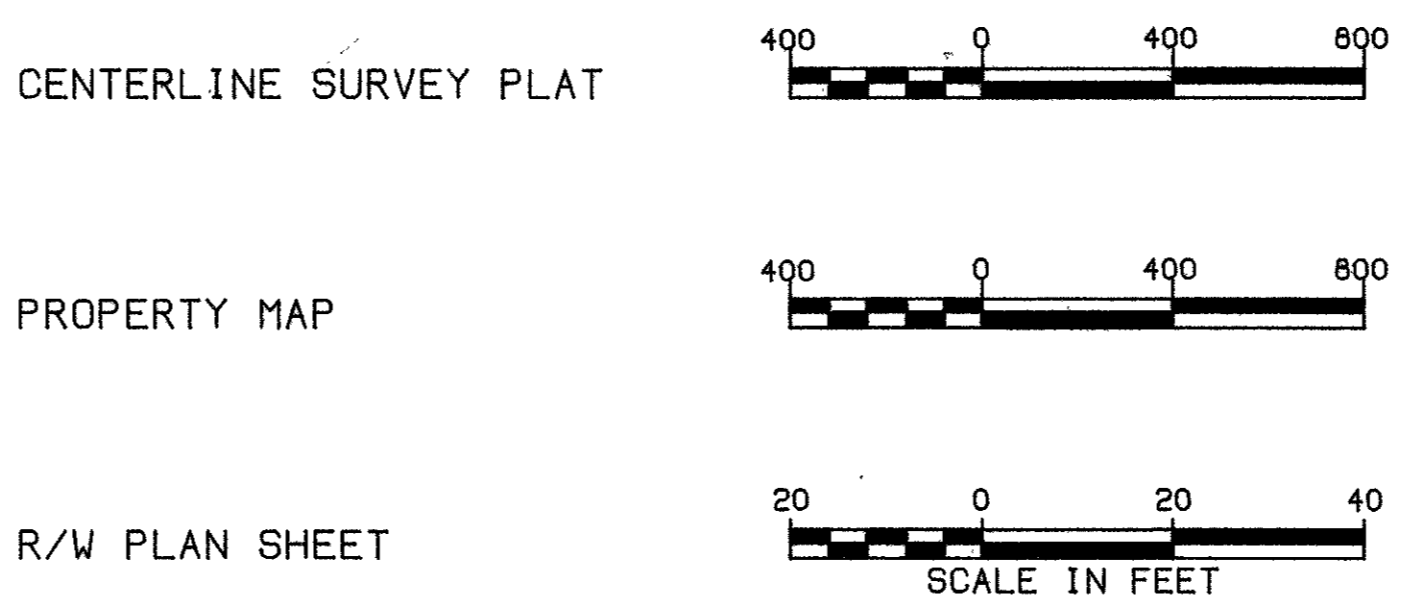
BEGIN PROJECT
 STA. 242+46.50
 S.L.M. 2.69

LOCATION MAP
 SCALE IN MILES



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

Thomas 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.

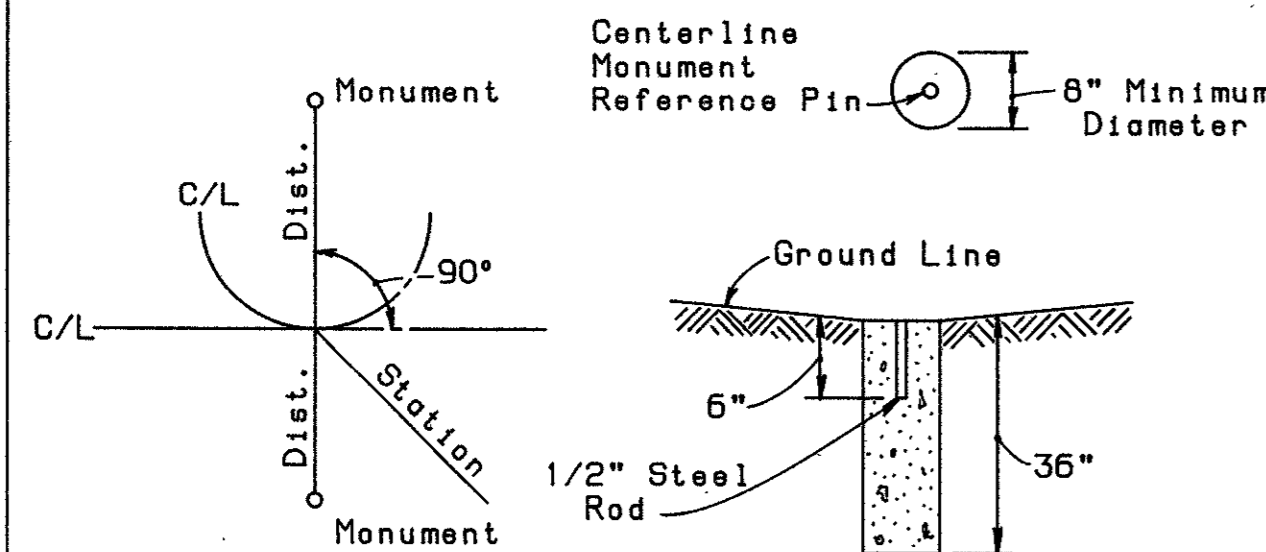
CENTERLINE SURVEY PLAT

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 10-92	LOG / UNI - 347 2.69 / 0.00	OHIO FHWA REGION 5	61 81
CHKD BY DATE 10-92		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

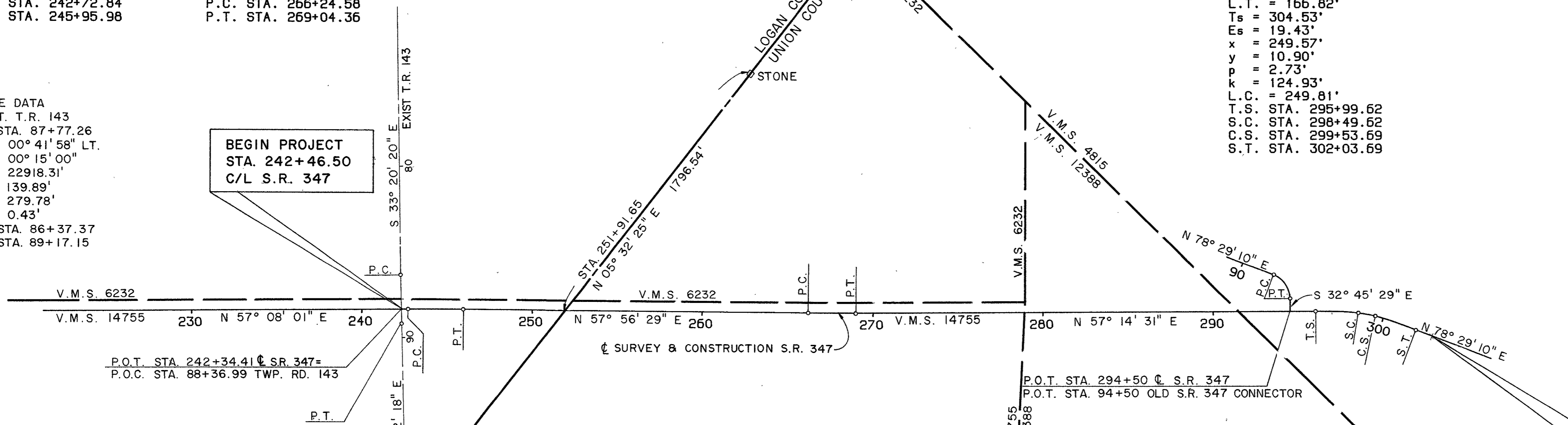
CURVE DATA
C/L S.R. 347
P.I. STA. 299+04.15
Δ = 21° 14' 39" RT.
Δ = 6° 14' 39"
Dc = 6° 00' 00"
R = 954.93'
T = 52.09'
L = 104.07'
E = 1.42'
SPIRAL DATA
Ls = 250.00'
Os = 7° 30' 00"
S.T. = 83.47'
L.T. = 166.82'
Ts = 304.53'
Es = 19.43'
x = 249.57'
y = 10.90'
p = 2.73'
k = 124.93'
L.C. = 249.81'
T.S. STA.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

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

BEGIN PROJECT
STA. 242+46.50
C/L S.R. 347

END PROJECT
STA. 303+00
C/L S.R. 347



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.

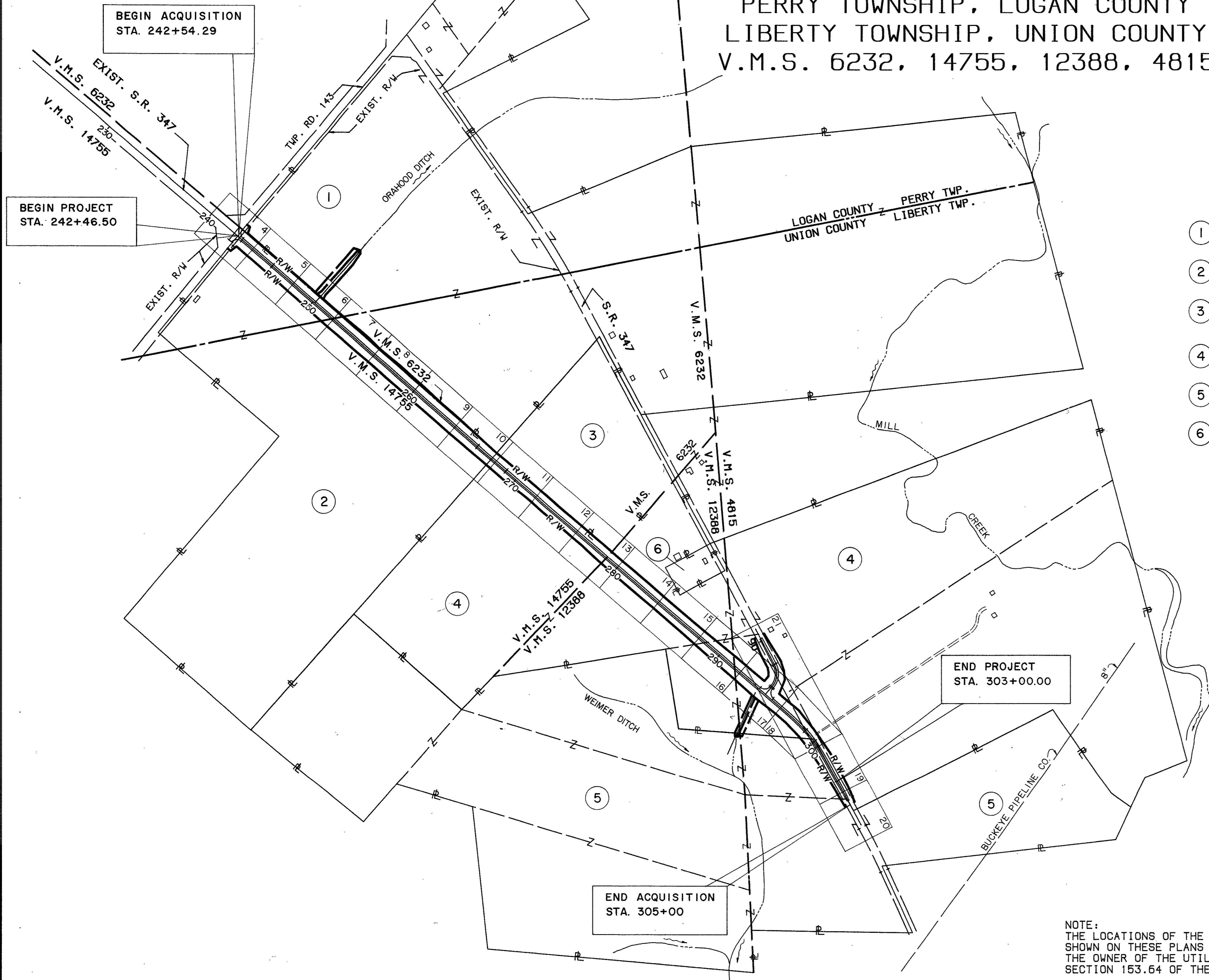
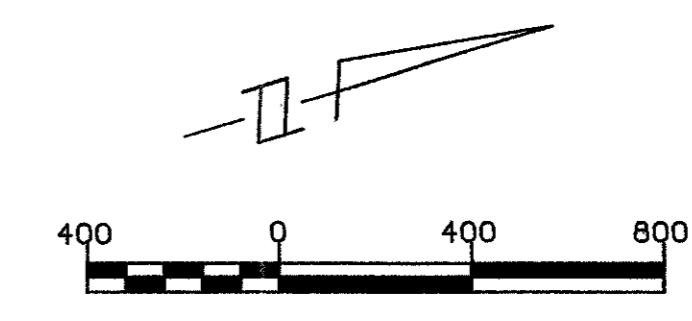
R.D. ZANDE & ASSOCIATES, LTD.
CONSULTING ENGINEERS
COLUMBUS, OHIO
Thornton L. Wallace DATE 10-15-92
REGISTERED SURVEYOR NO. 4650

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		

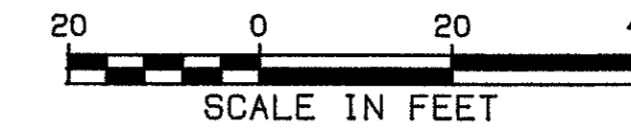
DURATION OF TEMPORARY EASEMENT 18 MONTHS IN 6 MONTH INCREMENTS

TYPE FUNDS: STATE

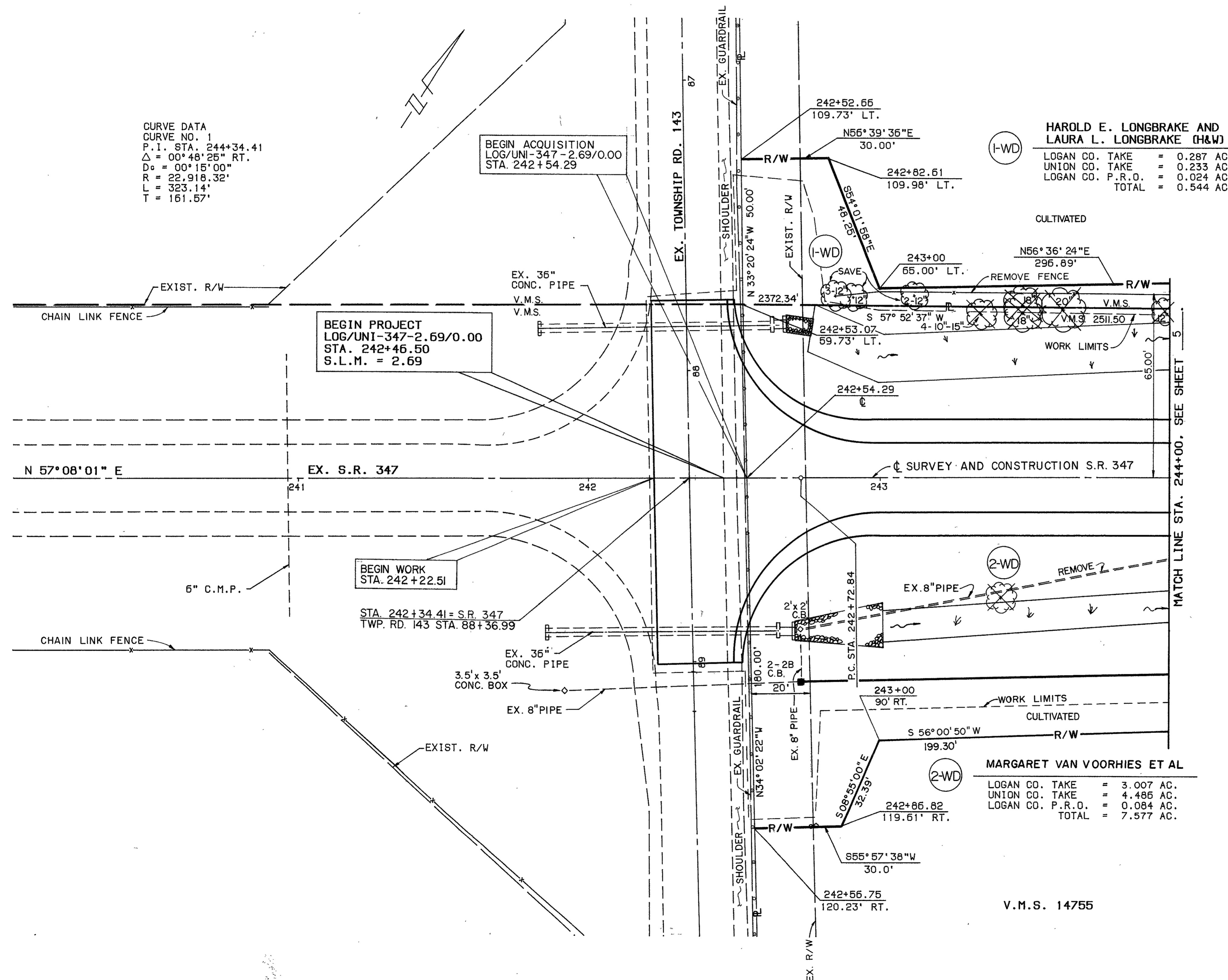
REV. DATE	DESCRIPTION
RDM 5-2-94	Revd. acreage for Pcl. 4WD
RDM 5-3-94	Revd. recording data for Pcls. 2, 4 & 5

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
CHKD BY DATE		STATE PROJECT	4 21
FEDERAL PROJECT		06555(O)	



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



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

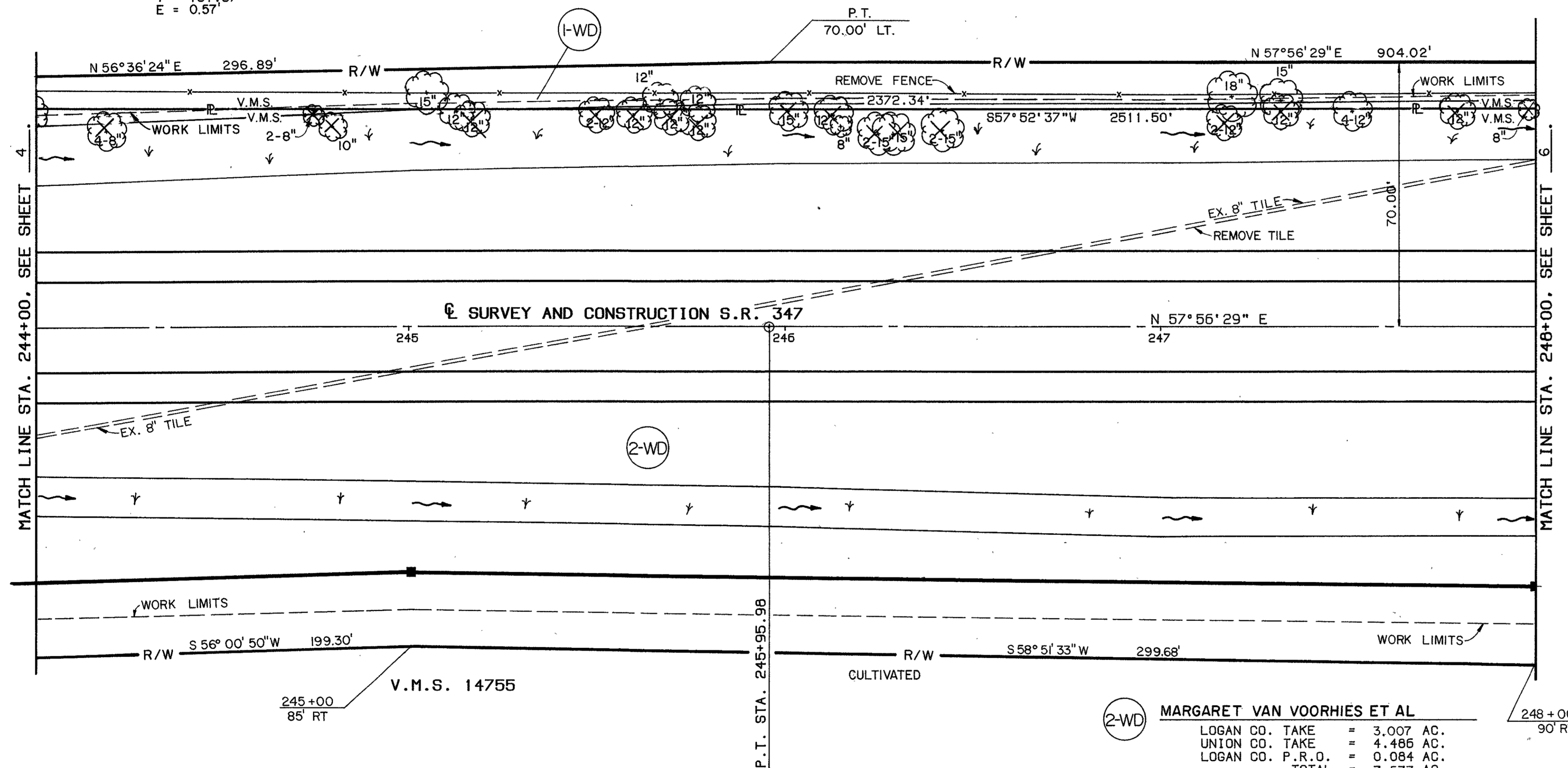


CALC BY: ONB DATE: 10-12	LOG/UNI-347-	OHIO	65
CHKD BY: ONB DATE: 10-12	2.69/0.00	FHWA REGION 5	81
FEDERAL PROJECT	STATE PROJECT	06555(0)	5
			21

CURVE DATA
CURVE NO. 1
P.I. STA. 244+34.41
 $\Delta = 00^\circ 48' 25''$ RT.
D = $00^\circ 15' 00''$
R = 22,918.32'
L = 323.14'
T = 161.57'
E = 0.57'

V.M.S. 6232

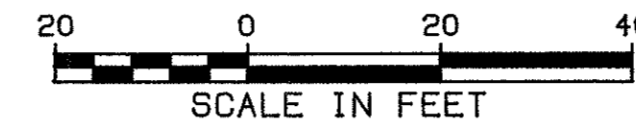
**HAROLD E. LONGBRAKE AND
LAURA L. LONGBRAKE, H&W**
LOGAN CO. TAKE = 0.287 AC.
UNION CO. TAKE = 0.233 AC.
LOGAN CO. P.R.O. = 0.024 AC.
TOTAL = 0.544 AC.



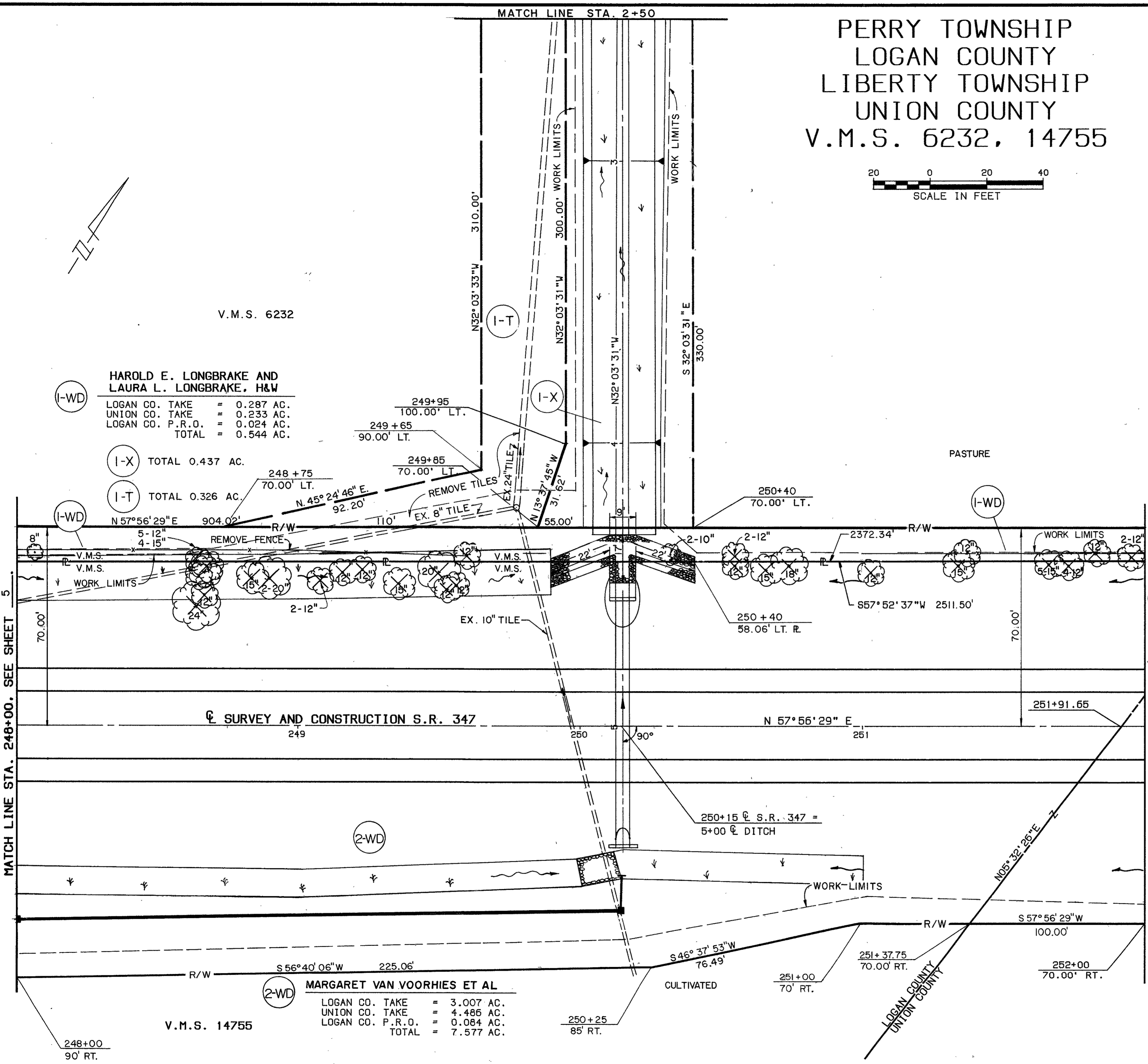
MARGARET VAN VOORHIES ET AL
LOGAN CO. TAKE = 3.007 AC.
UNION CO. TAKE = 4.486 AC.
LOGAN CO. P.R.O. = 0.084 AC.
TOTAL = 7.577 AC.

TYPE FUNDS - STATE		
COMPLETION DATE		
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: ONE DATE: 10-12	LOG/UNI-347-	OHIO	66
CHKD BY: ONE DATE: 10-12	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**

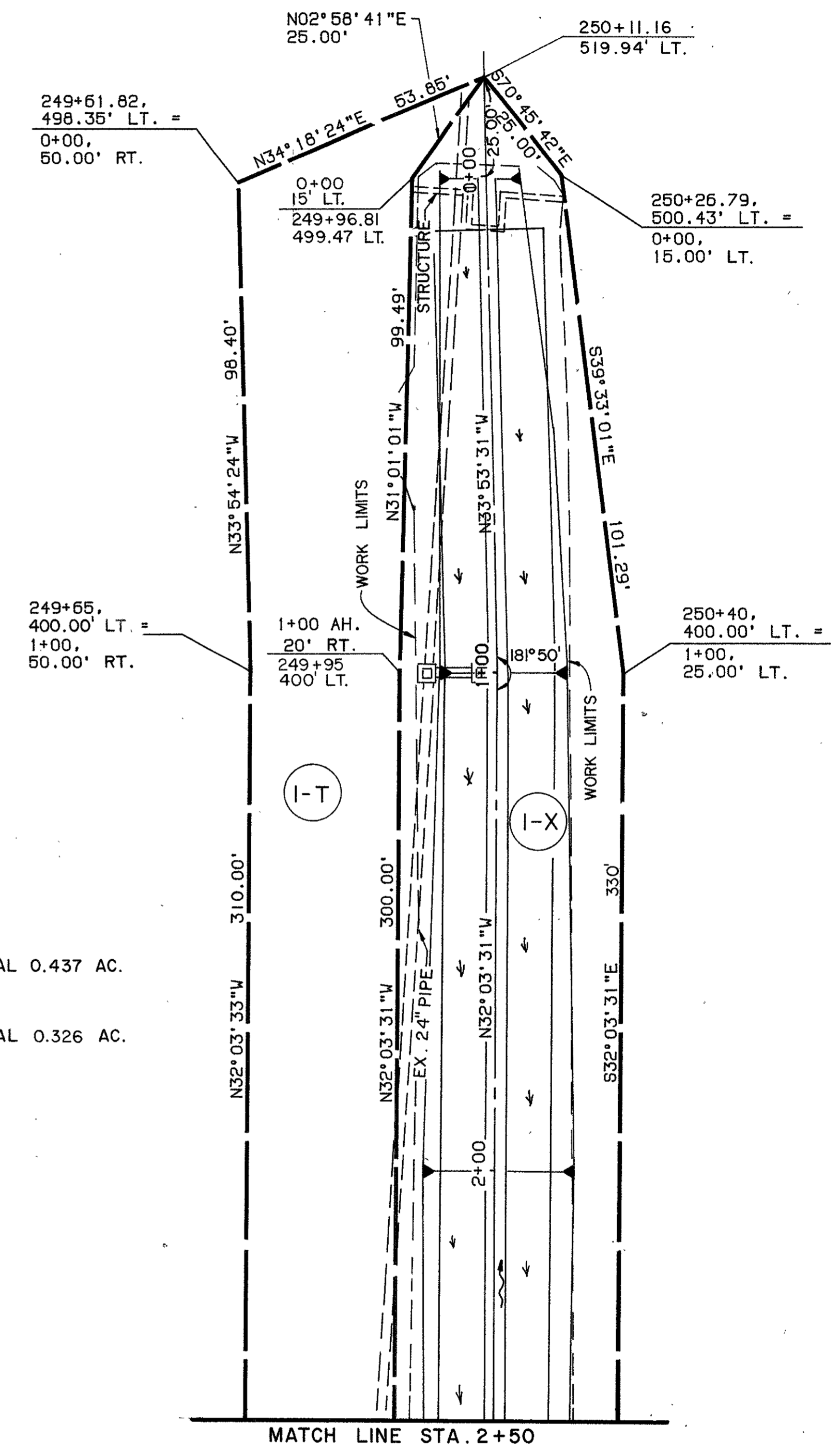
(I-WD) LOGAN CO. TAKE = 0.287 AC.
 UNION CO. TAKE = 0.233 AC.
 LOGAN CO. P.R.O. = 0.024 AC.
 TOTAL = 0.544 AC.

(I-X) TOTAL 0.437 AC.
 (I-T) TOTAL 0.326 AC.

MARGARET VAN VOORHIES ET AL

(2-WD) 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.

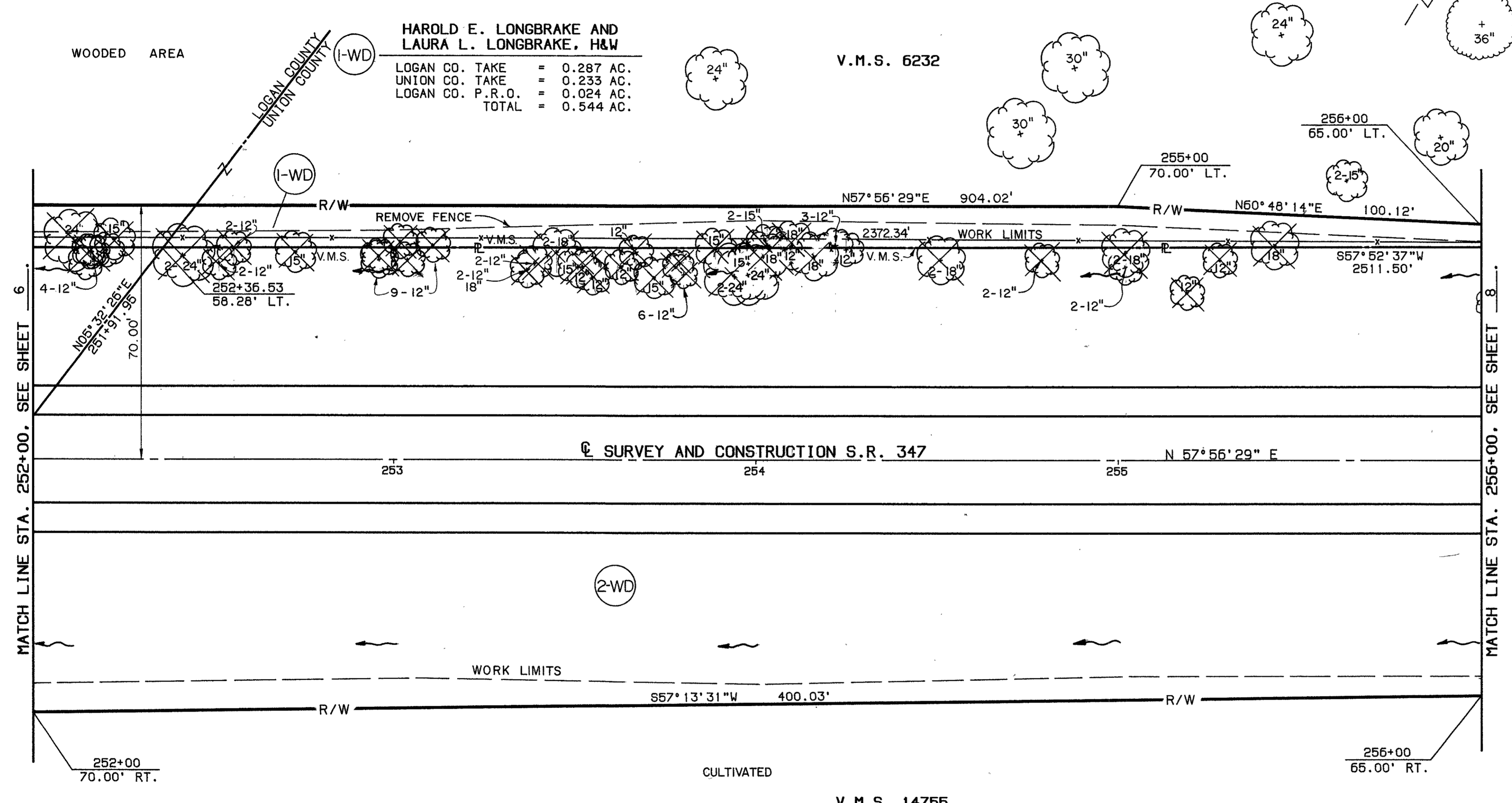


TYPE FUNDS : STATE

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

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

CALC. BY: JAM DATE: 10-92	LOG/UNI-347-	OHIO	67
CHKD. BY: GNO DATE: 10-92	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**
 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. 6232

V.M.S. 14755

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.

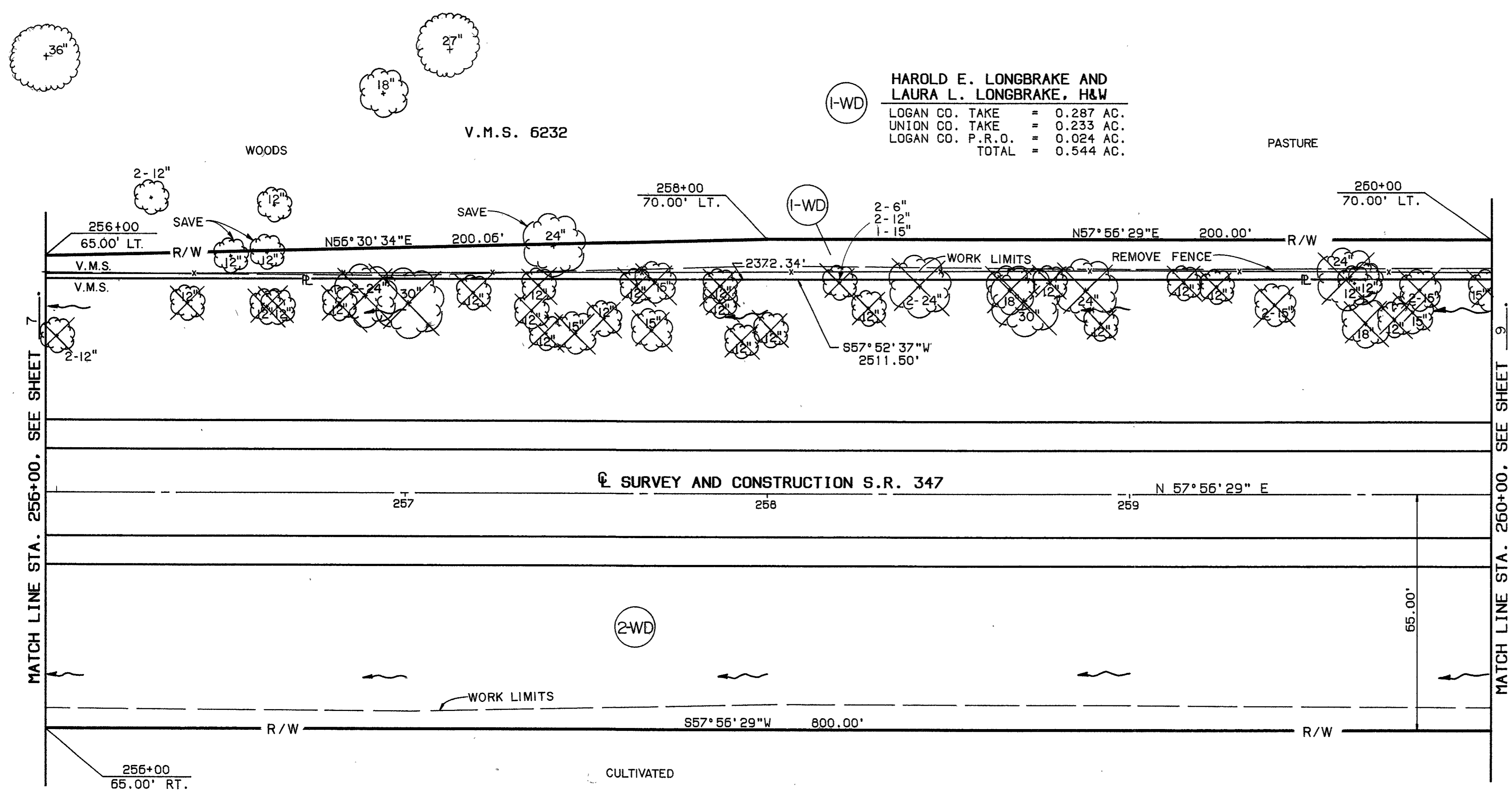
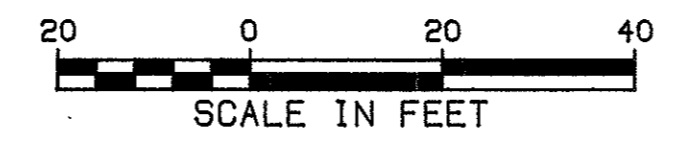
MATCH LINE STA. 252+00. SEE SHEET 6

MATCH LINE STA. 256+00. SEE SHEET 8

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 DATE 10-92	LOG/UNI-347-	OHIO	68
CHKD BY DATE 10-92	2.69/0.00	FHWA REGION 5	81
FEDERAL PROJECT	STATE PROJECT	06555(0)	8
			21



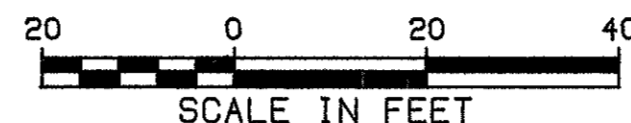
HAROLD E. LONGBRAKE AND LAURA L. LONGBRAKE, H&W
 LOGAN CO. TAKE = 0.287 AC.
 UNION CO. TAKE = 0.233 AC.
 LOGAN CO. P.R.O. = 0.024 AC.
 TOTAL = 0.544 AC.

MARGARET VAN VOORHIES ET AL
 LOGAN CO. TAKE = 3.007 AC.
 UNION CO. TAKE = 4.485 AC.
 LOGAN CO. P.R.O. = 0.084 AC.
 TOTAL = 7.577 AC.

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

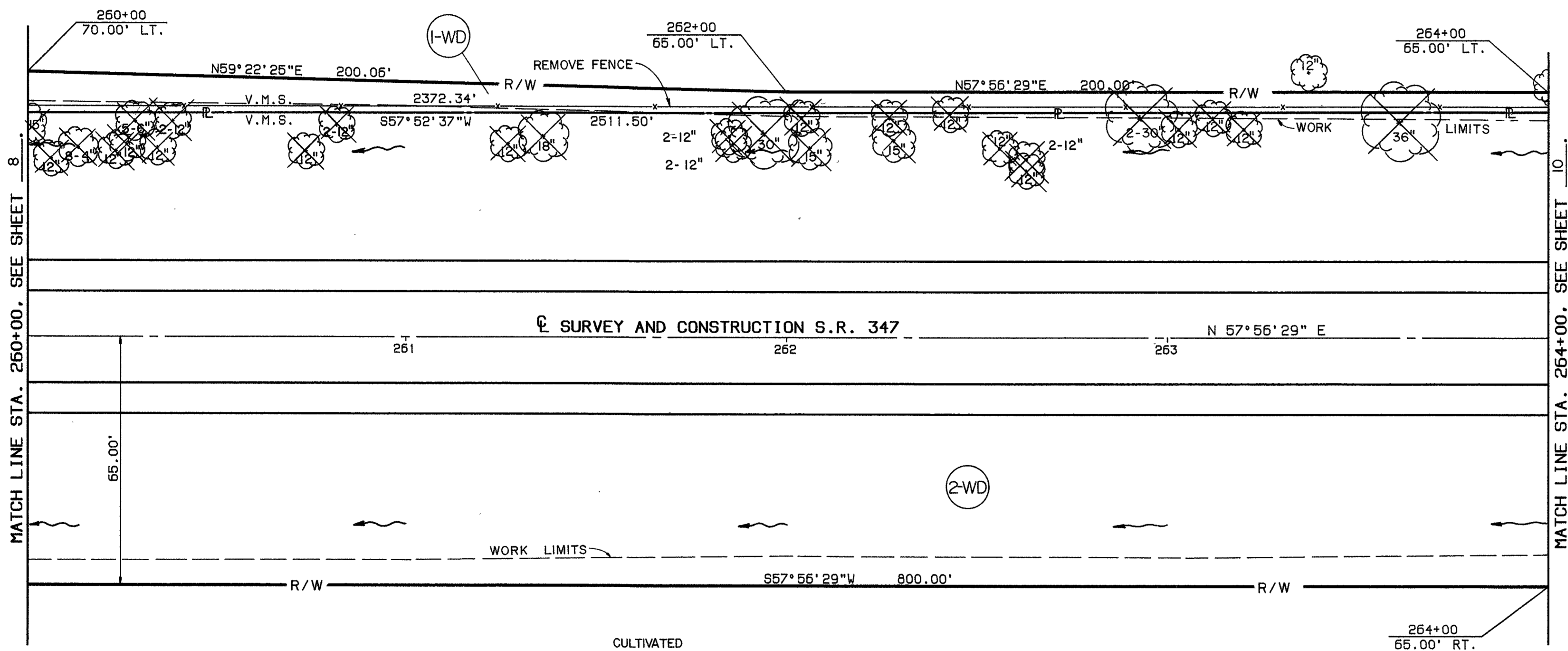


CALC. BY DATE DHW 10-92	LOG/UNI-347-	OHIO
CHKD. BY DATE DHW 10-92	2.69/0.00	FHWA REGION 5
FEDERAL PROJECT	STATE PROJECT	06555(0)

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.



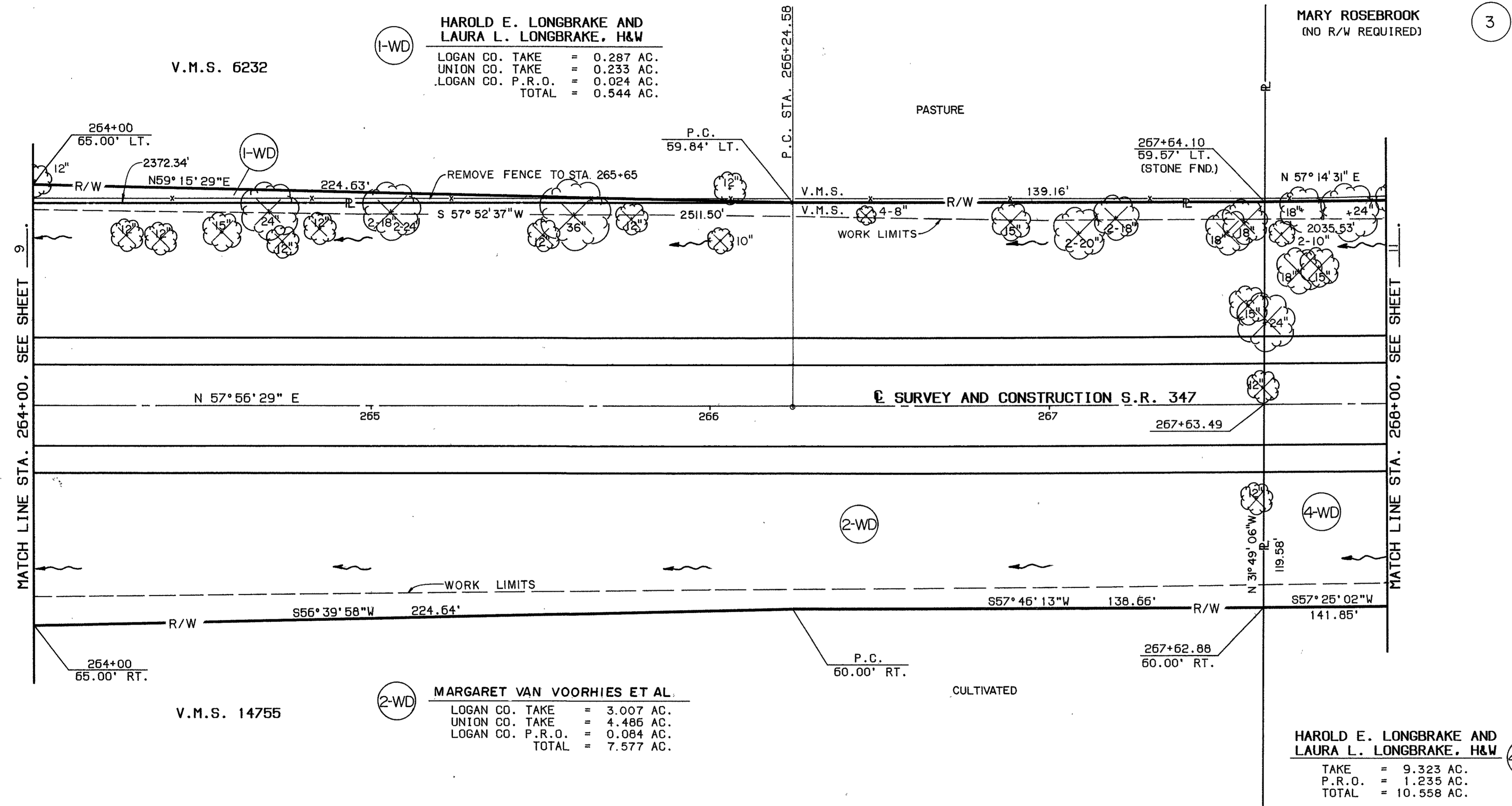
V.M.S. 14755

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

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

CALC. BY: WAK DATE: 10-92	LOG/UNI-347-	OHIO	70
CHKD BY: WAK DATE: 10-92	2.69/0.00	FHWA REGION 5	81
FEDERAL PROJECT	STATE PROJECT	06555(0)	10
			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.

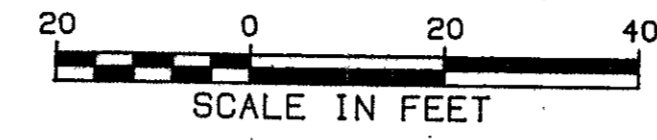
MARGARET VAN VOORHIES ET AL.
LOGAN CO. TAKE = 3.007 AC.
UNION CO. TAKE = 4.486 AC.
LOGAN CO. P.R.O. = 0.084 AC.
TOTAL = 7.577 AC.

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

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

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

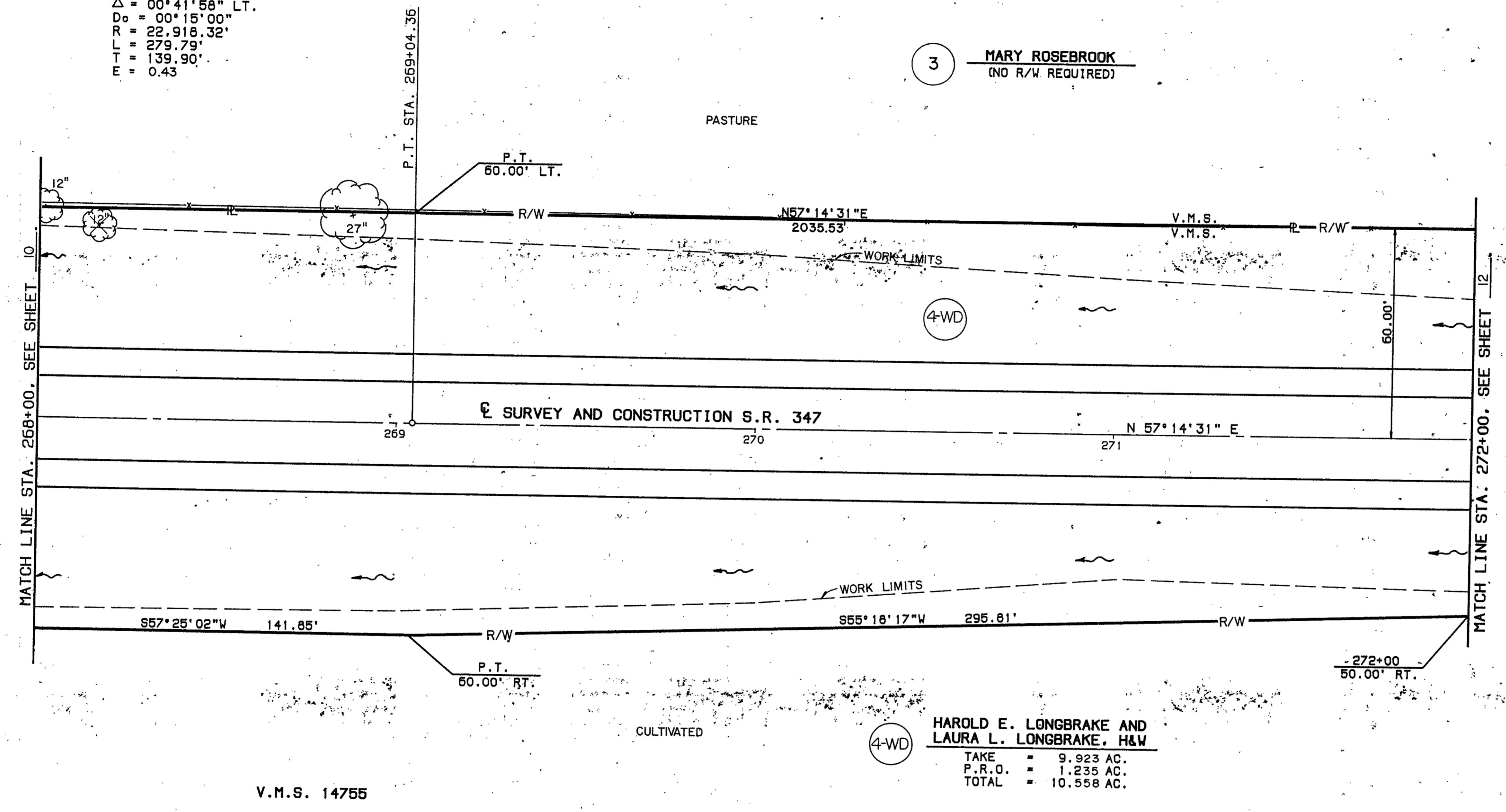
CALC BY: COMH DATE: 10-92	LOG/UNI-347	OHIO	71
CHKD BY: GNC DATE: 10-92	2.69/0.00	FHWA REGION 5	81
FEDERAL PROJECT		STATE PROJECT	06555(O)



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)



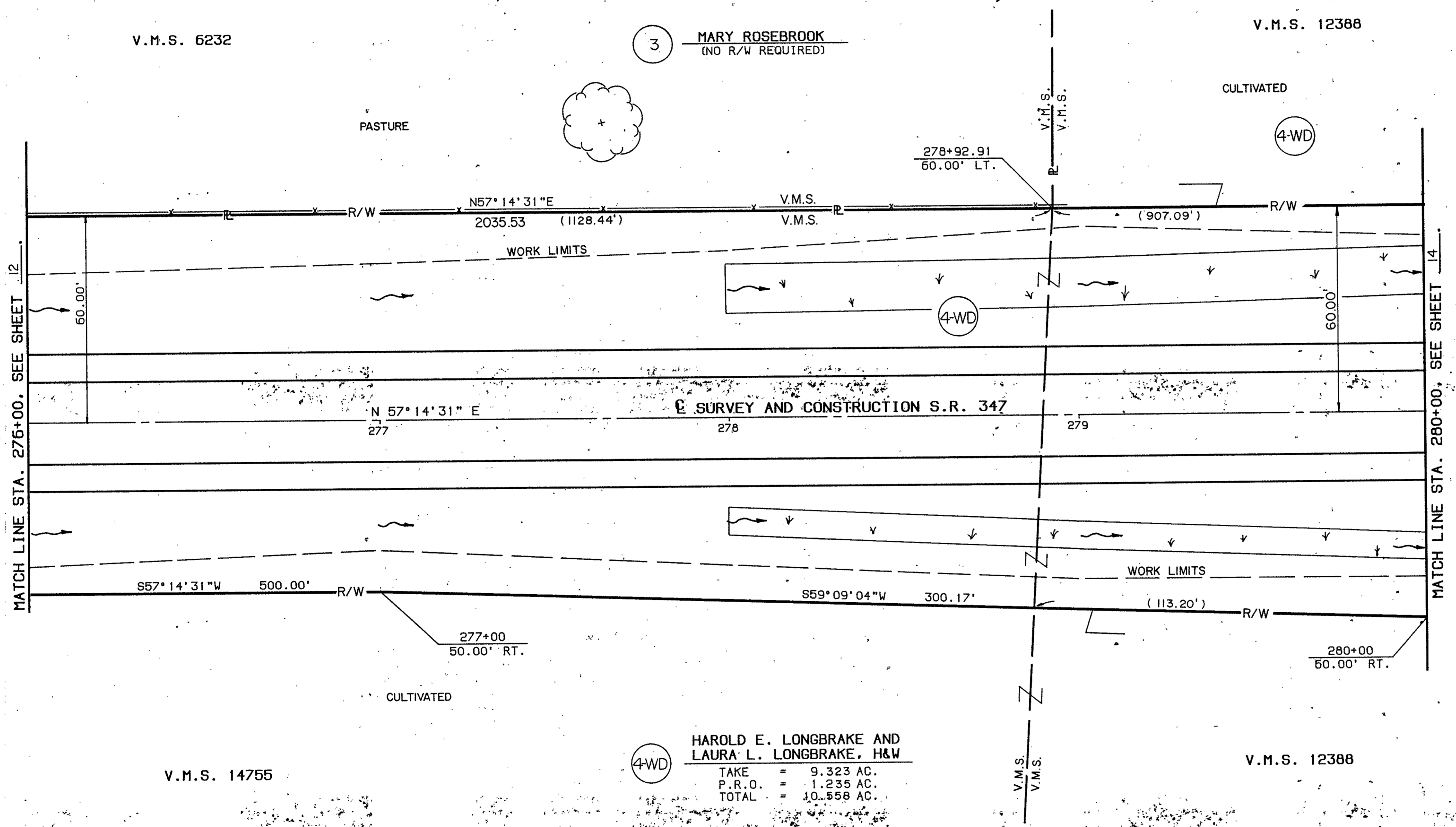
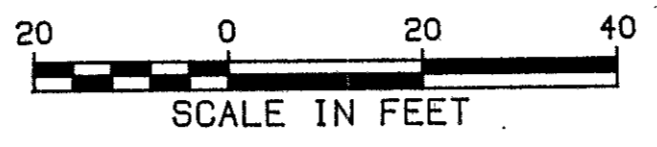
4-WD
 HAROLD E. LONGBRAKE AND
 LAURA L. LONGBRAKE, H&W
 TAKE = 9.923 AC.
 P.R.O. = 1.235 AC.
 TOTAL = 10.558 AC.

V.M.S. 14755

TYPE FUNDS & STATE		
COMPLETION DATE		
REV.	DATE	DESCRIPTION

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



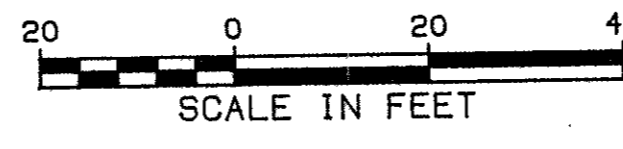
3 MARY ROSEBROOK
 (NO R/W REQUIRED)

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.

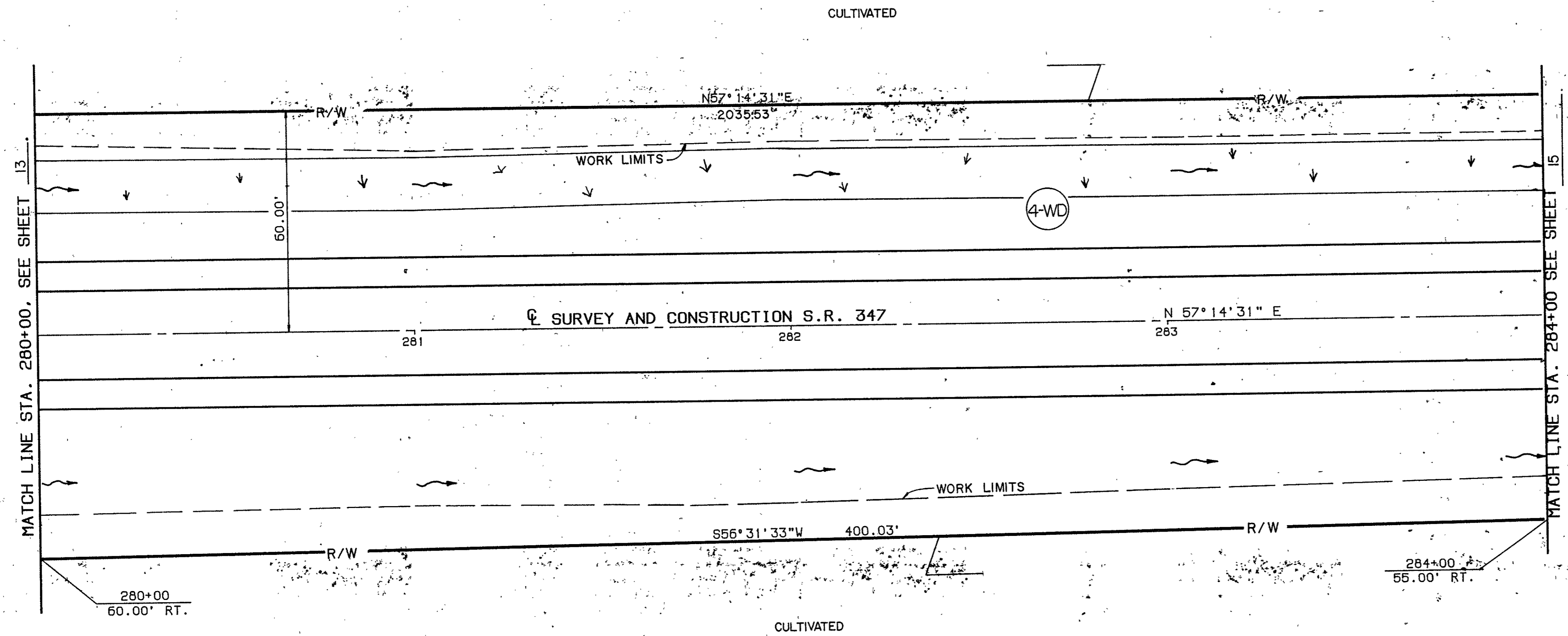
TYPE FUNDS - STATE		
COMPLETION DATE		
REV.	DATE	DESCRIPTION

LIBERTY TOWNSHIP
 UNION COUNTY
 V.M.S. 12388

CABO BY: <i>AMK</i> DATE: <i>10-92</i>	LOG/UNI-347-	OHIO	74
CHD. BY: <i>BHG</i> DATE: <i>10-92</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.

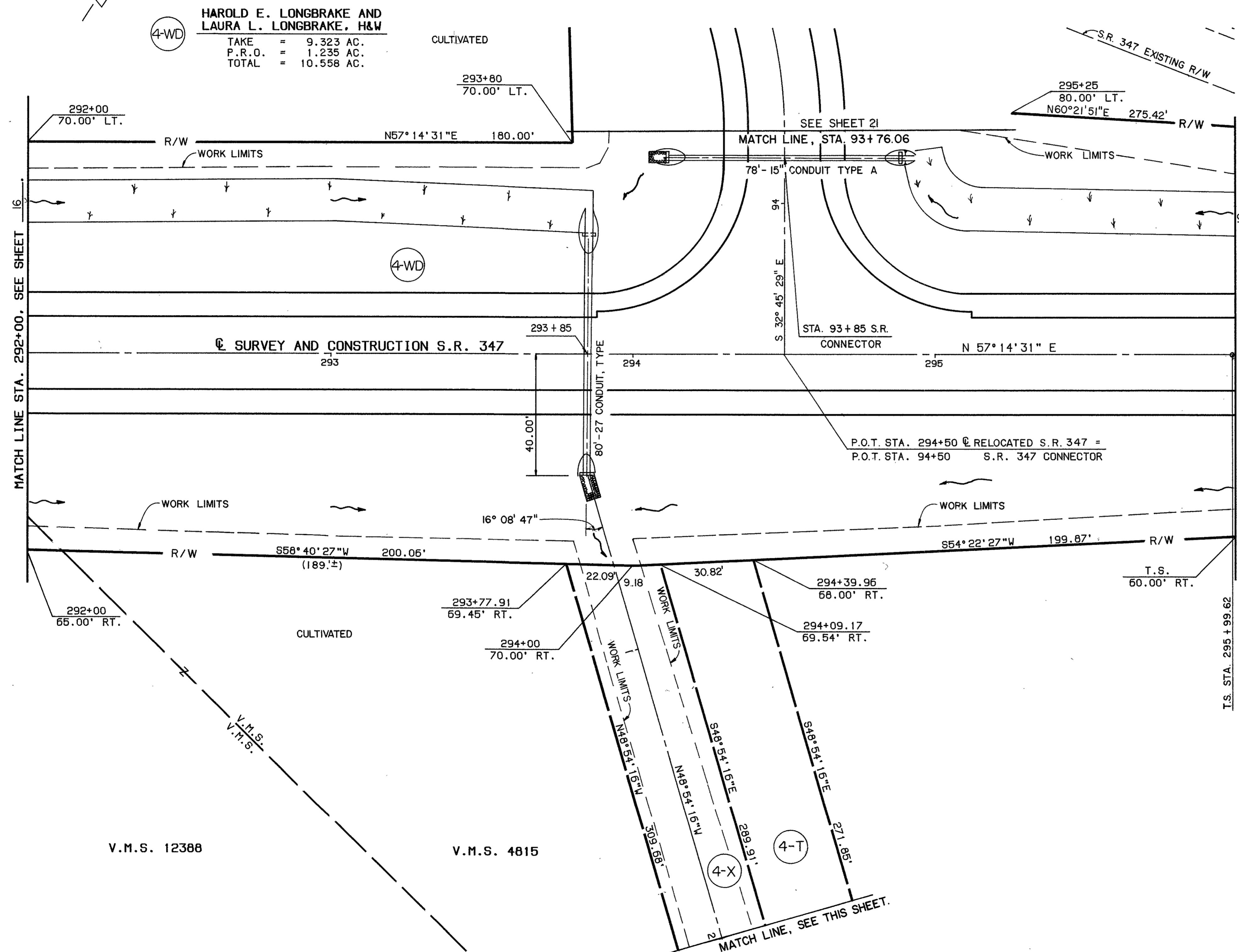


TYPE FUNDS : STATE

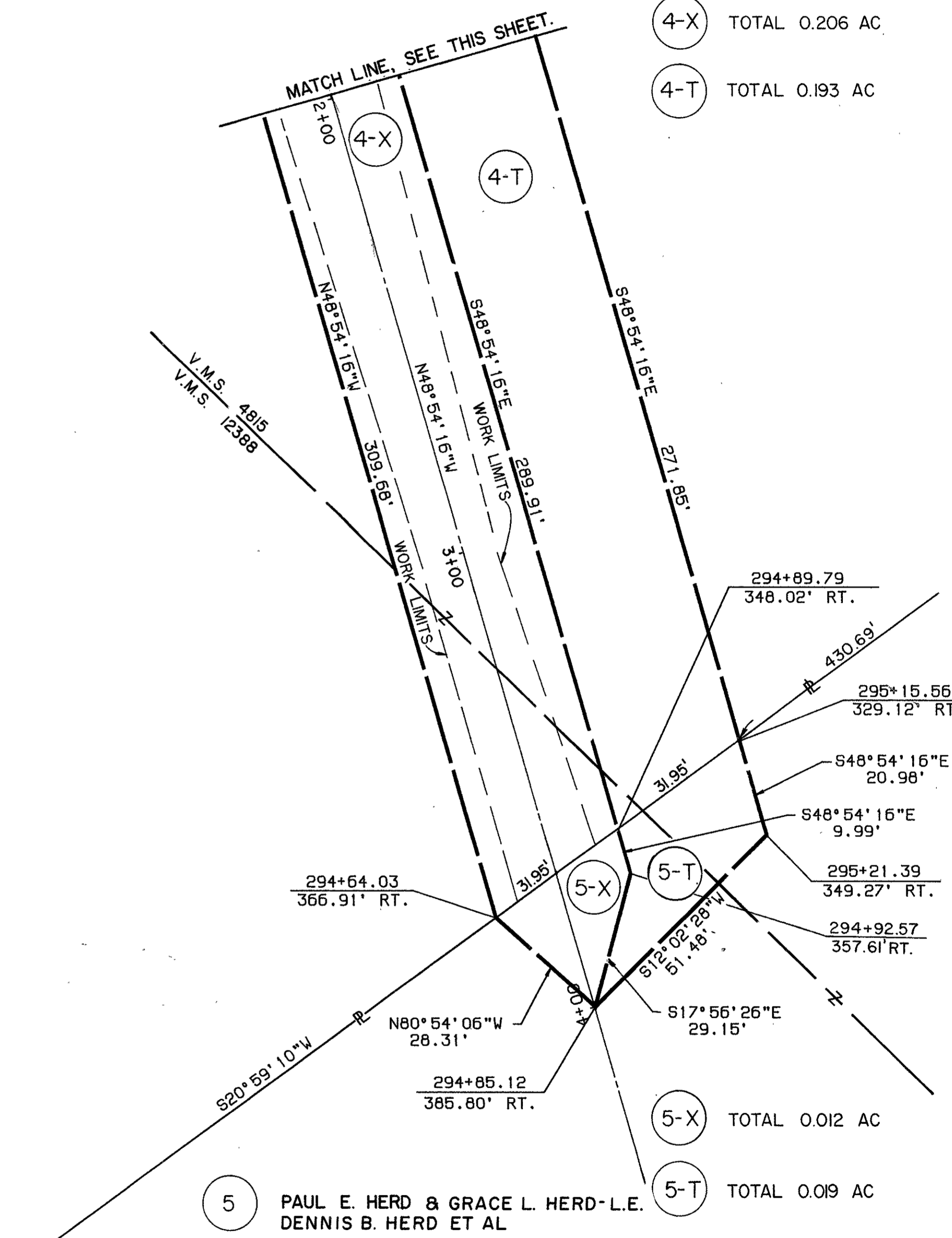
COMPLETION DATE		DESCRIPTION
REV.	DATE	

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

CALC. BY DATE	LOG/UNI-347-	OHIO	77
CHKD BY DATE	2.69/0.00	FHWA REGION	5
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.

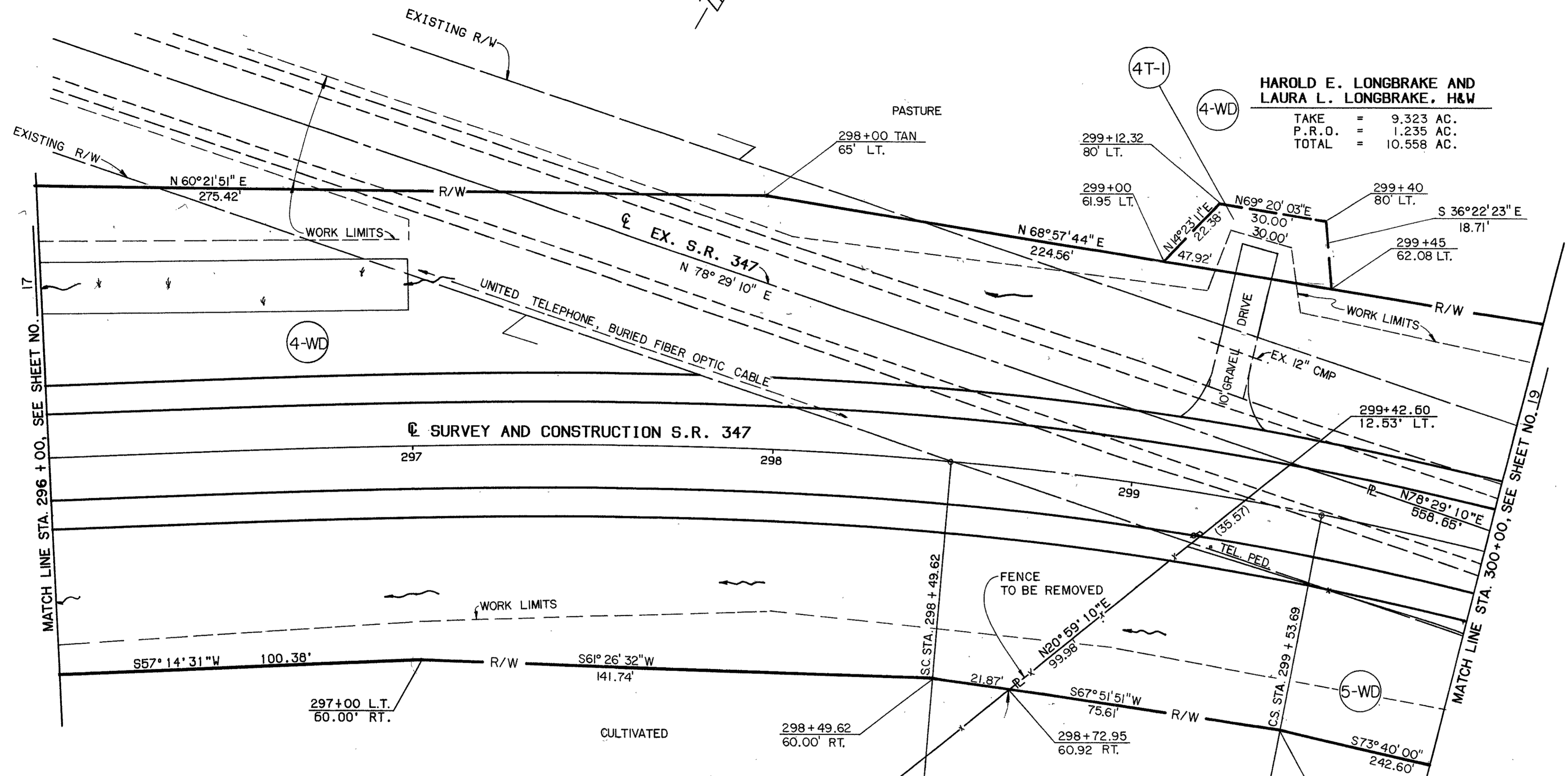
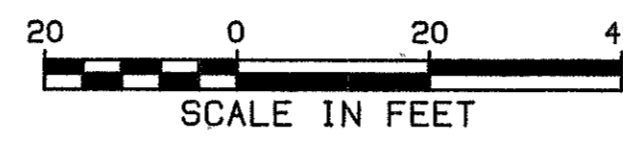


TYPE FUNDS: STATE

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'

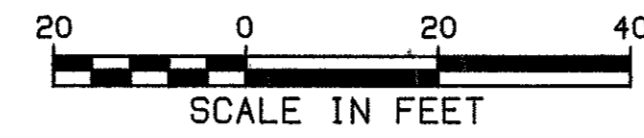
5-WD
PAUL E. HERD & GRACE L. HERD-L.E. DENNIS B. HERD ET AL
 TAKE = 0.335 AC.
 P.R.O. = 0.391 AC.
 TOTAL = 0.726 AC.

TYPE FUNDS: STATE

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

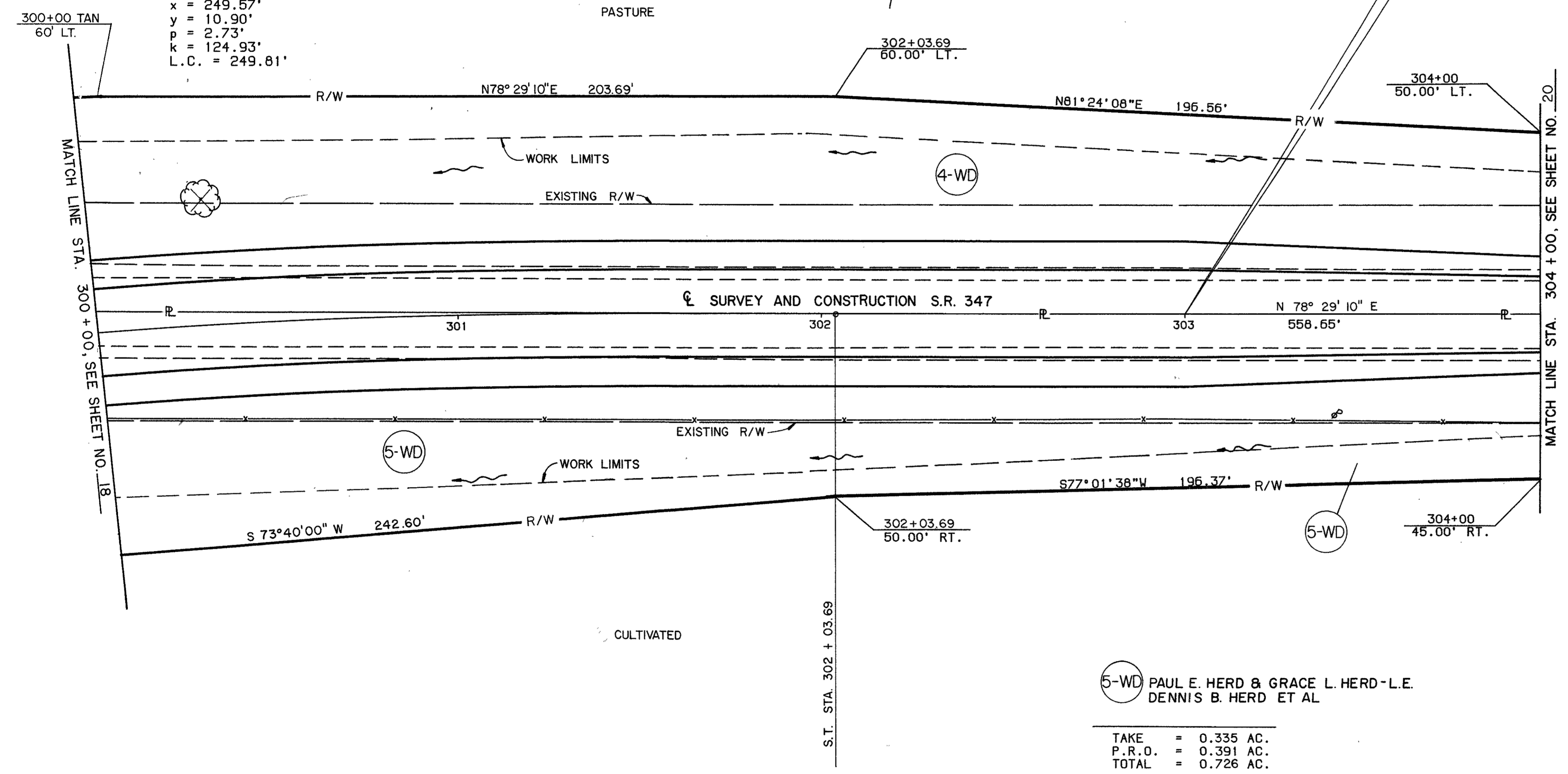
LIBERTY TOWNSHIP
UNION COUNTY
V.M.S. 4815

CALC. BY: CHB DATE: 10/92	LOG/UNI-347-	OH10	79
CHKD BY: CHB DATE: 10/92	2.69/0.00	FHWA REGION 5	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



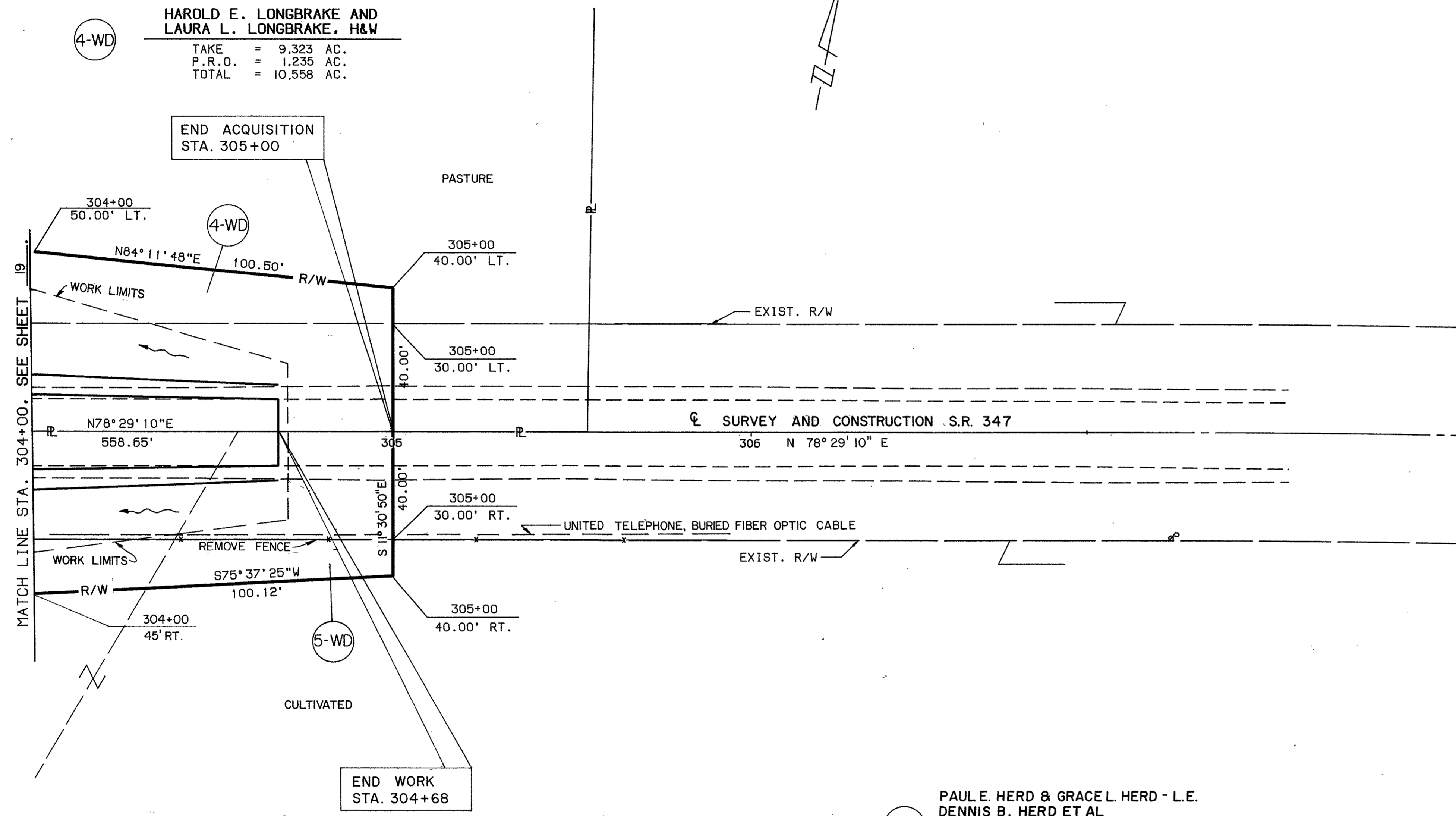
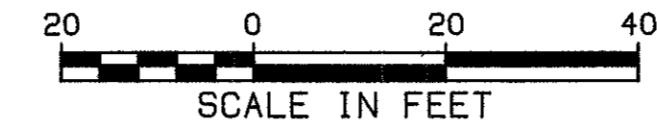
(5-WD) PAUL E. HERD & GRACE L. HERD-L.E.
DENNIS B. HERD ET AL
TAKE = 0.335 AC.
P.R.O. = 0.391 AC.
TOTAL = 0.726 AC.

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.

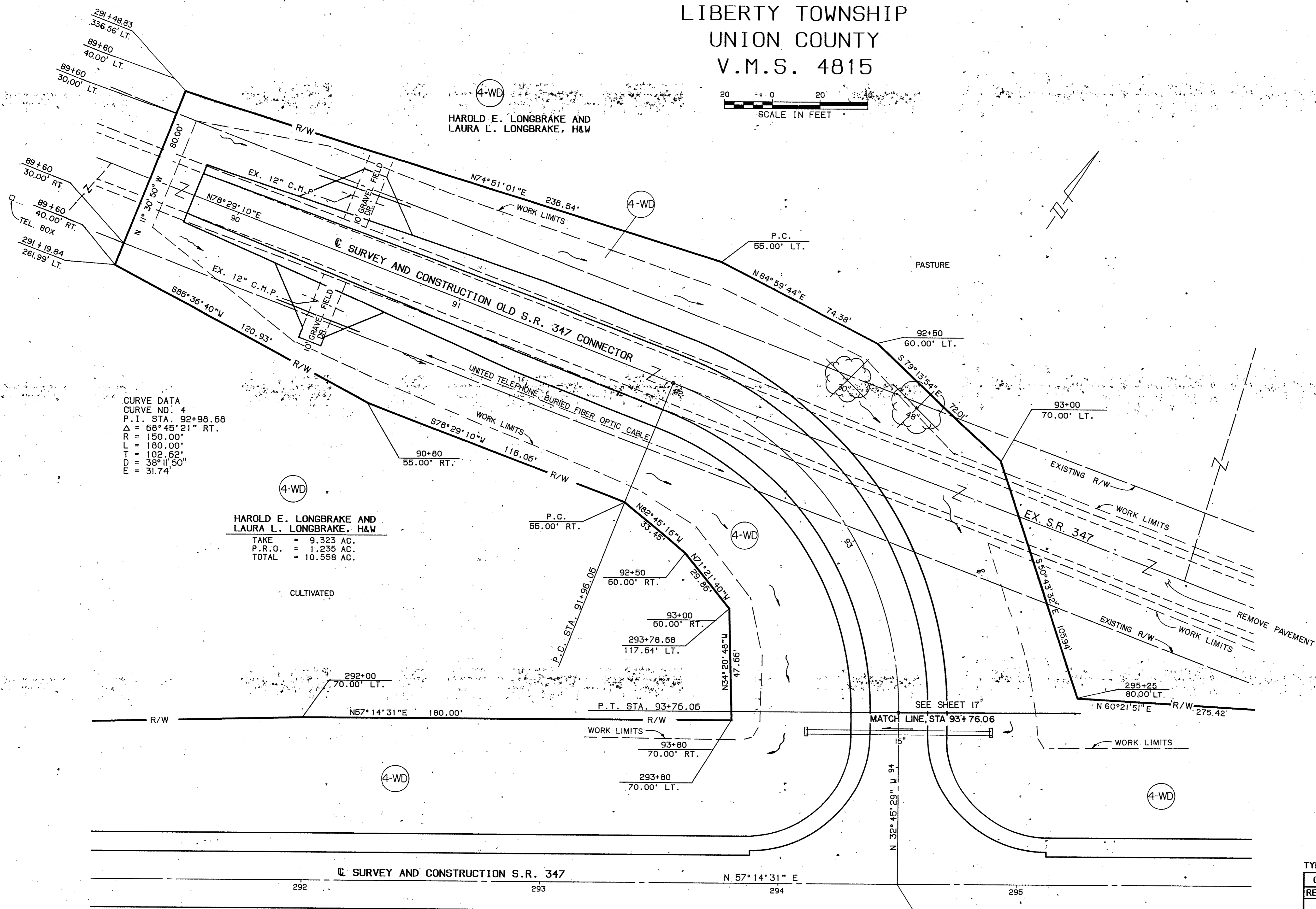
5-WD
PAUL E. HERD & GRACE L. HERD - L.E.
DENNIS B. HERD ET AL
TAKE = 0.335 AC.
P.R.O. = 0.391 AC.
TOTAL = 0.726 AC.

TYPE FUNDS: STATE

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

LIBERTY TOWNSHIP
UNION COUNTY
V.M.S. 4815

CALC. BY DATE 11/92	LOG/UNI-347- 2.69/0.00	OHIO FHWA REGION 5	81 81
CHECKED BY DATE 10-92		STATE PROJECT 06555 (0)	21 21



TYPE FUNDS : STATE

COMPLETION DATE		DESCRIPTION
REV.	DATE	

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