

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

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

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.

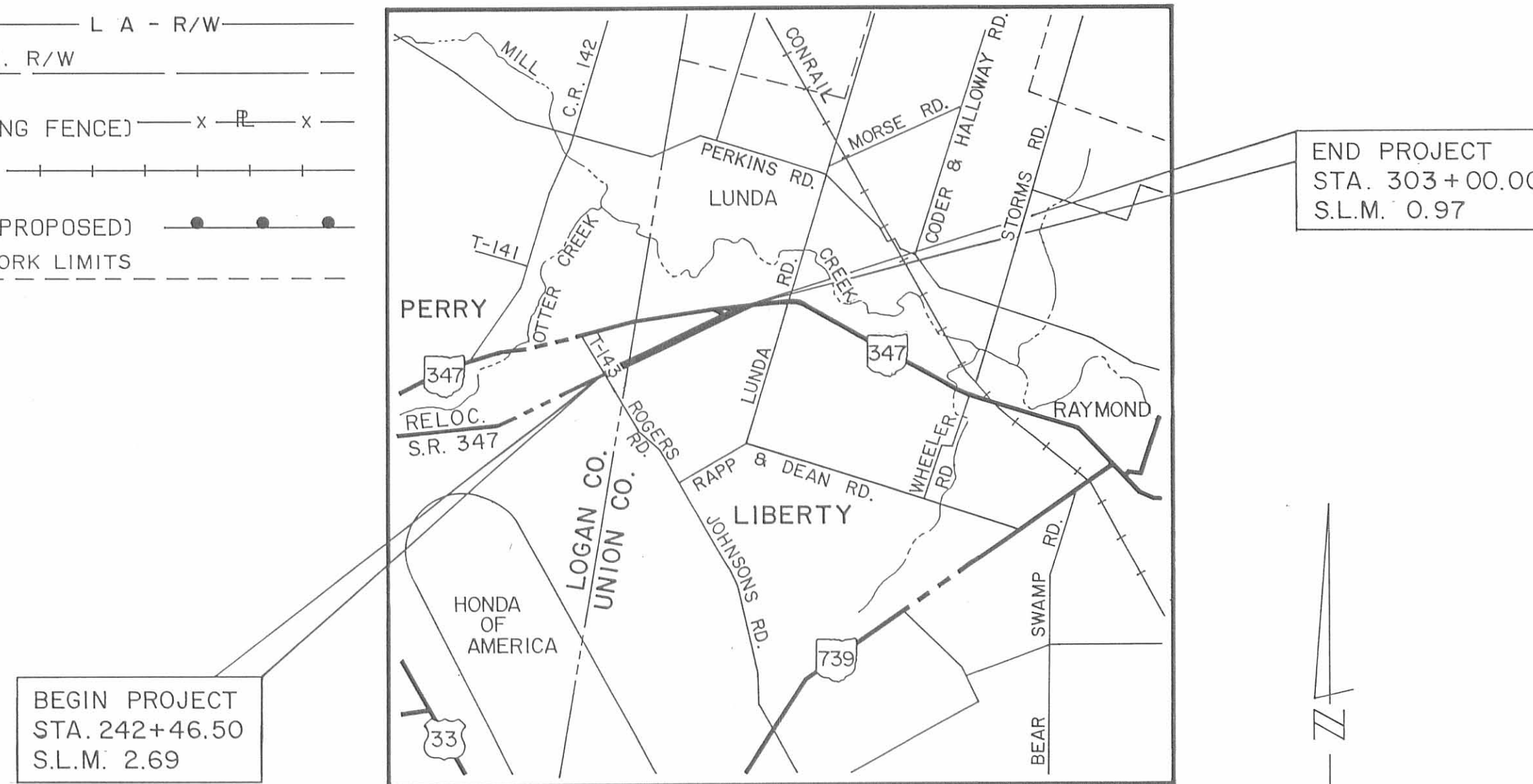
CONVENTIONAL SIGNS

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--- PROPOSED ---x---x---	PROPERTY LINE (IN EXISTING FENCE)	---x---x---	
CENTERLINE	----- 352 ----- 353 -----	RAILROAD	===== OR =====	
TREES, STUMPS (TO BE REMOVED)		GUARDRAIL (EXISTING)	---o---o--- (PROPOSED) ---o---o---	
UTILITY POLE: TELEPHONE ϕ , POWER ϕ , LIGHT ϕ		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

"RIGHT-OF-WAY ONLY"



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

CENTERLINE SURVEY PLAT



PROPERTY MAP



R/W PLAN SHEET



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

<i>Thomas L. Wallace</i> 10-15-92 REGISTERED ENGINEER NO. 19587 DATE		ENGINEER'S SEAL
FILE NO.	LOGAN COUNTY / UNION COUNTY LOG/UNI - 347 - 2.69/0.00	
DATE OF LETTING	CONTRACT NO.	

DEPARTMENT OF TRANSPORTATION
 FEDERAL HIGHWAY ADMINISTRATION

APPROVED _____
 DIVISION ADMINISTRATOR DATE

CENTERLINE SURVEY PLAT

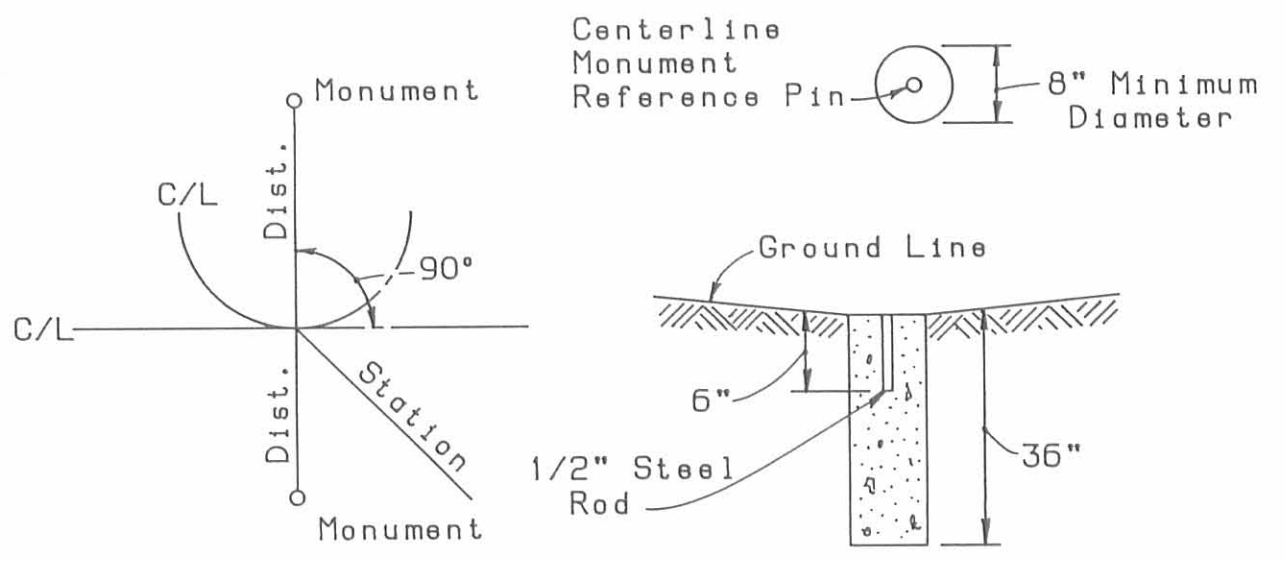
LOG - 347 - 2.69

UNI - 347 - 0.00

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

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.

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

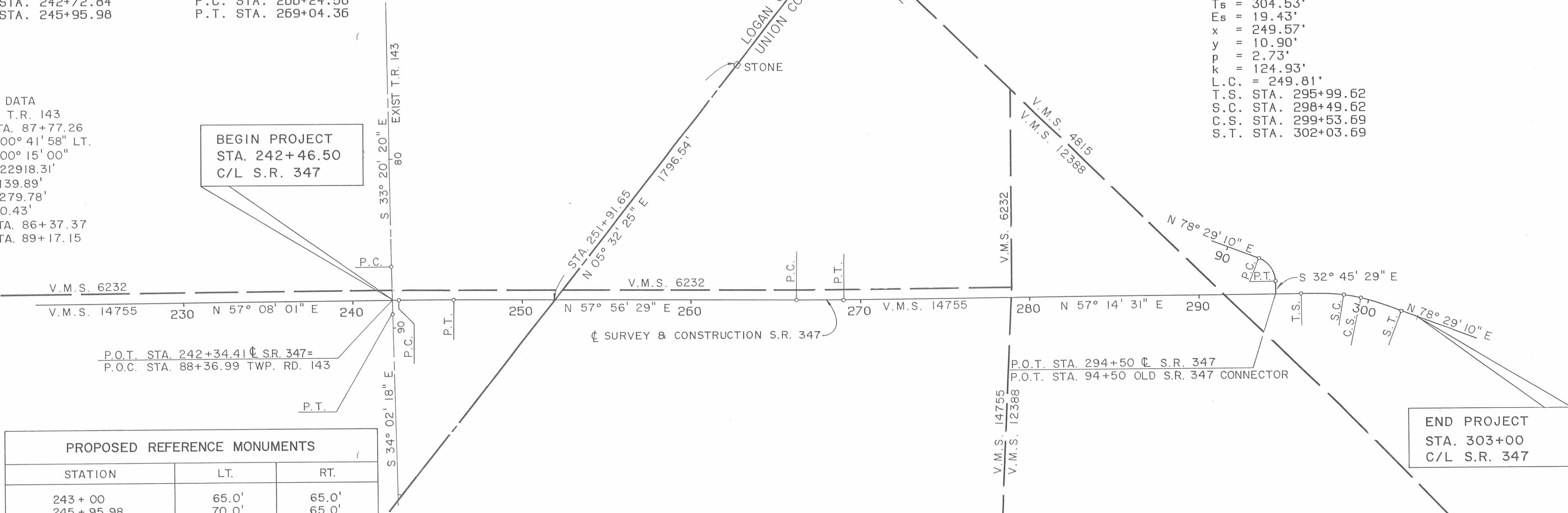
CURVE DATA
C/L S.R. 347
P.I. STA. 299+04.15
Δ = 21°14'39" RT.
Δ = 6°14'39"
Dc = 6°00'00"
R = 954.93'
T = 52.09'
L = 104.07'
E = 1.42'
SPIRAL DATA
Ls = 250.00'
Os = 7°30'00"
S.T. = 83.47'
L.T. = 166.82'
Ts = 304.53'
Es = 19.43'
x = 249.57'
y = 10.90'
p = 2.73'
k = 124.93'
L.C. = 249.81'
T.S. STA. 295+99.62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

Thomas L. Wallace DATE 10-15-92
REGISTERED SURVEYOR NO. 4650

SURVEYOR'S SEAL

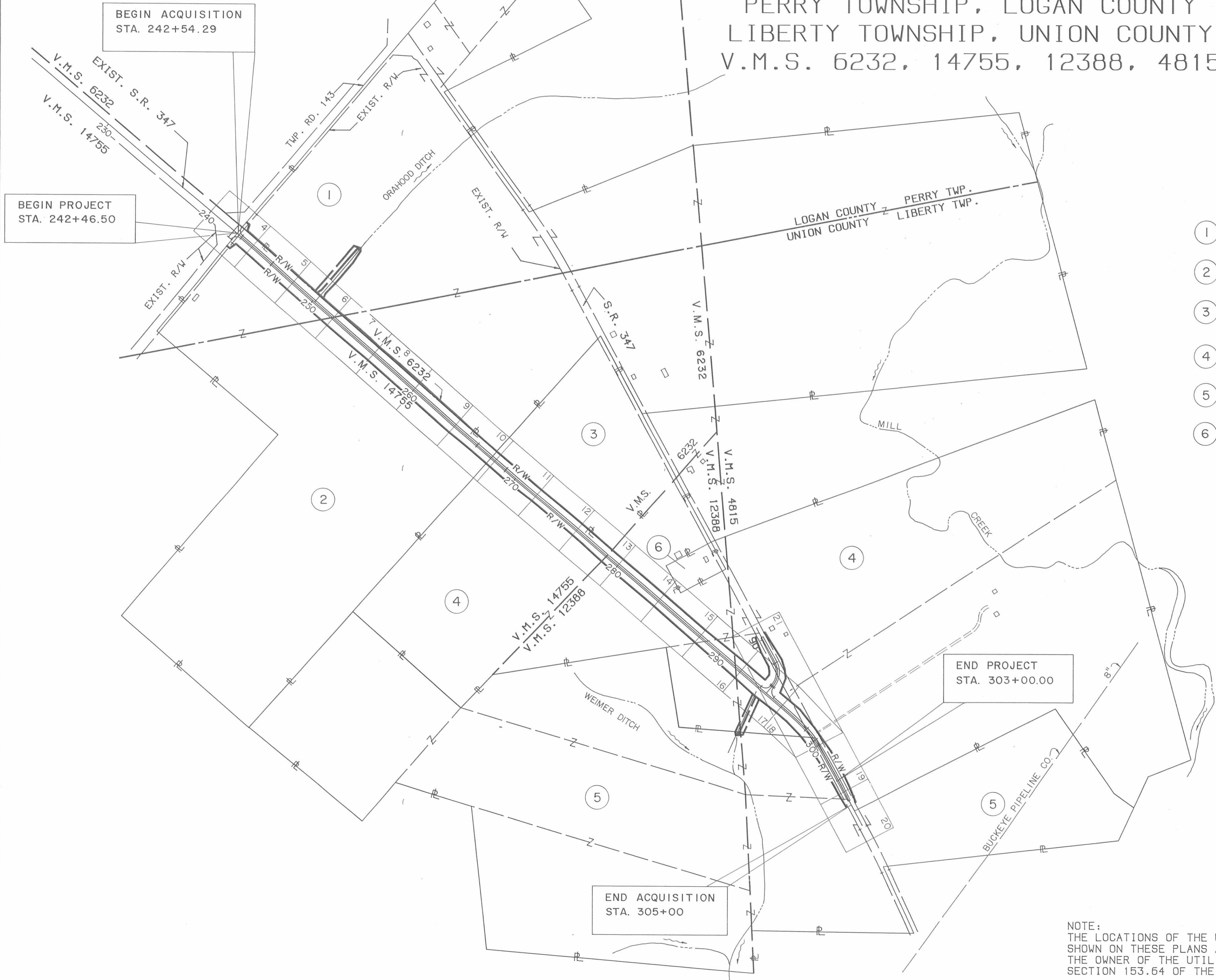
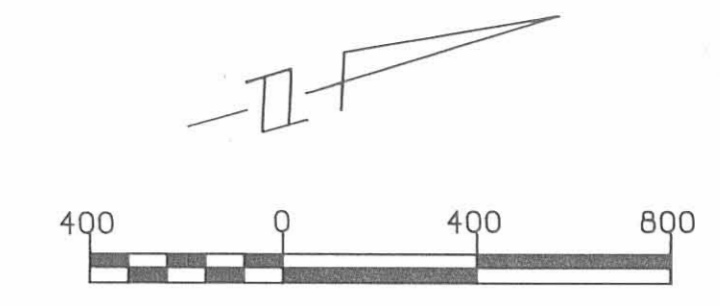
PROPERTY MAP

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

62
81
2
21



- ① HAROLD E. LONGBRAKE AND LAURA L. LONGBRAKE, H&W
- ② NELLIE E. HERD (LIFE ESTATE)
- ③ MARY ROSEBROOK (NO R/W REQUIRED)
- ④ HAROLD E. LONGBRAKE AND LAURA L. LONGBRAKE, H&W
- ⑤ PAUL E. HERD
- 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	
REV. DATE	DESCRIPTION

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

4
0
0
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	741	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	165	389			0.233	0	0.233	↑	128.022	-	↑	22-00-02030.000	UNION CO. 22-0006005.000		
1-T		6	294	164			0.437	0	0.437						CHANNEL EASEMENT		
									0.326						TEMP. EASEMENT TO BUILD CHANNEL ≠		
2-WD	NELLIE E. HERD (LIFE ESTATE)	4 THRU 10	308	501	108.09	0.456	3.091	0.084	3.007		-	11.537		32-112-00-00-017-000	LOGAN CO.		
	(TOTAL)		224	280			4.486	0	4.486		-	88.604		22-00-05018.000	UNION CO.		
							7.577	0.084	7.493								
3	MARY ROSEBROOK	10 THRU 13			23.656	0.886					22.77	-		22-00-050006.000	NO RIGHT-OF-WAY REQUIRED		
4-WD	HAROLD E. LONGBRAKE AND LAURA L. LONGBRAKE, H&W	10 THRU 21	261	265	66.70	2.744	5.548	0	5.548		10.291	50.117		22-00-05042.000			
			254/220	262/411	13.66	0.609	3.752	0.464	3.288		1.366	8.397		22-00-06008.000			
			254/220	262/411	61.93	0.859	0.397	0.259	0.138		60.933	-		22-00-02028.000			
	(TOTAL)		190	49	86.32	0.699	0.861	0.512	0.349		85.272	-		22-00-02027.000			
					228.61	2.911	10.558	1.235	9.323		157.862	58.514					
4-X		17					0.206	0	0.206								
4-T		17					0.193	0	0.193						CHANNEL EASEMENT		
4-T-1		18					0.016	0	0.016						TEMP. EASEMENT TO BUILD CHANNEL ≠		
															TEMP. TO REBUILD DRIVE ≠		
5-WD	PAUL E. HERD	17 THRU 20	161	583/584	31.340	0.355	0.673	0.355	0.318		-	30.667		22-00-05009.000			
			161	585	67.60	0.765	0.053	0.036	0.017		-	66.818		22-00-05039.000			
			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			
	(TOTAL)		161	583/584	28.10	0	0	0	0		-	28.10					
					194.610	1.442	0.726	0.391	0.335		28.848	163.985					
5-X		17					0.012	0	0.012	↓							
5-T		17					0.019	0	0.019	NO			STATE		CHANNEL EASEMENT		
															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

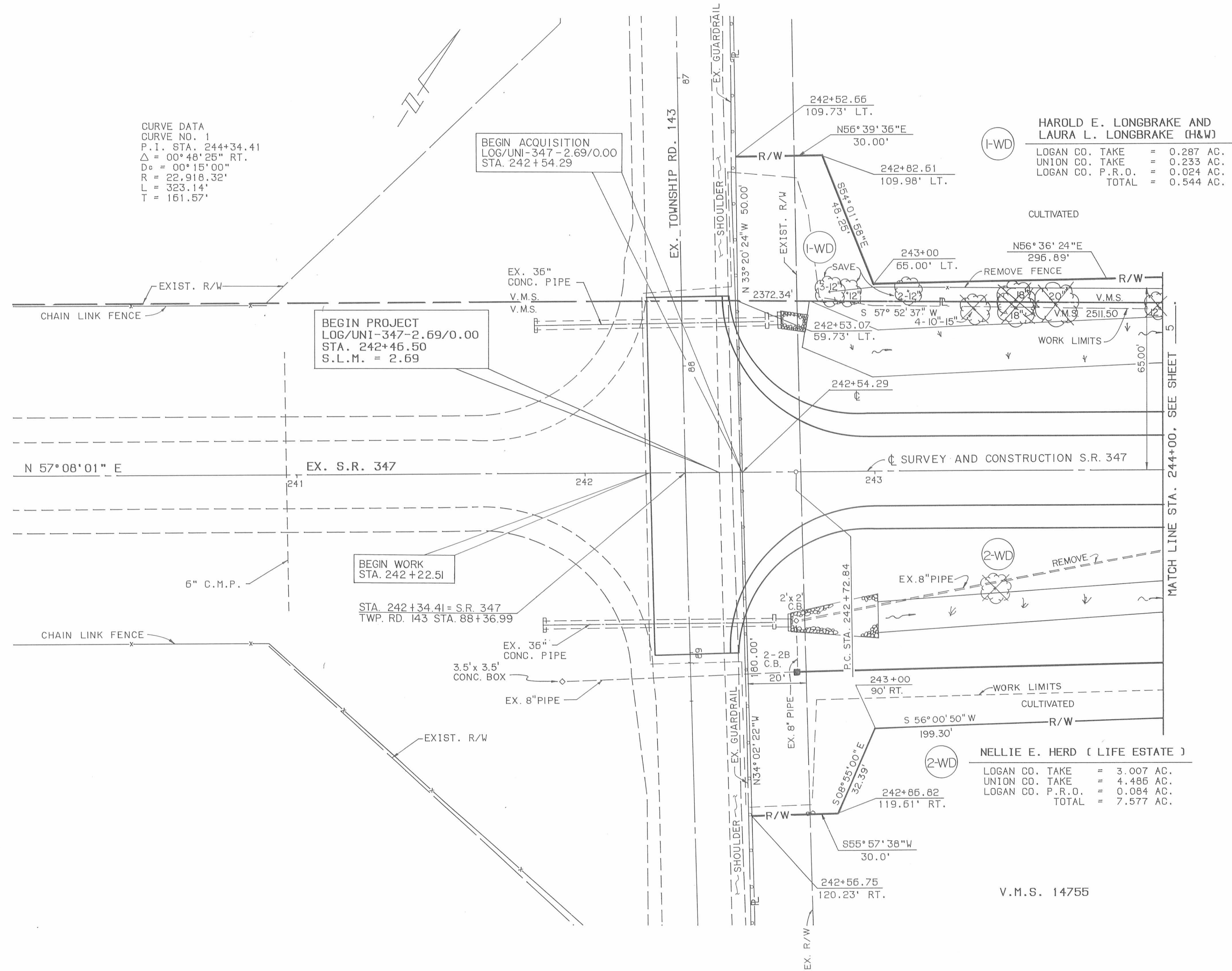
COMPLETION DATE		
REV.	DATE	DESCRIPTION

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		FEDERAL PROJECT	4 21
		STATE PROJECT	06555(0)



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



BEGIN ACQUISITION
LOG/UNI-347-2.69/0.00
STA. 242+54.29

BEGIN PROJECT
LOG/UNI-347-2.69/0.00
STA. 242+46.50
S.L.M. = 2.69

BEGIN WORK
STA. 242+22.51

STA. 242+34.41 = S.R. 347
TWP. RD. 143 STA. 88+36.99

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.

NELLIE E. HERD (LIFE ESTATE)
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		DESCRIPTION
REV.	DATE	

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



CALC. BY: <i>BROWN</i> DATE: <i>10-72</i>	LOG/UNI-347-	OHIO
CHKD. BY: <i>ONE</i> DATE: <i>10-72</i>	2.69/0.00	FHWA REGION 5
FEDERAL PROJECT	STATE PROJECT	06555(0)

65
81
5
21

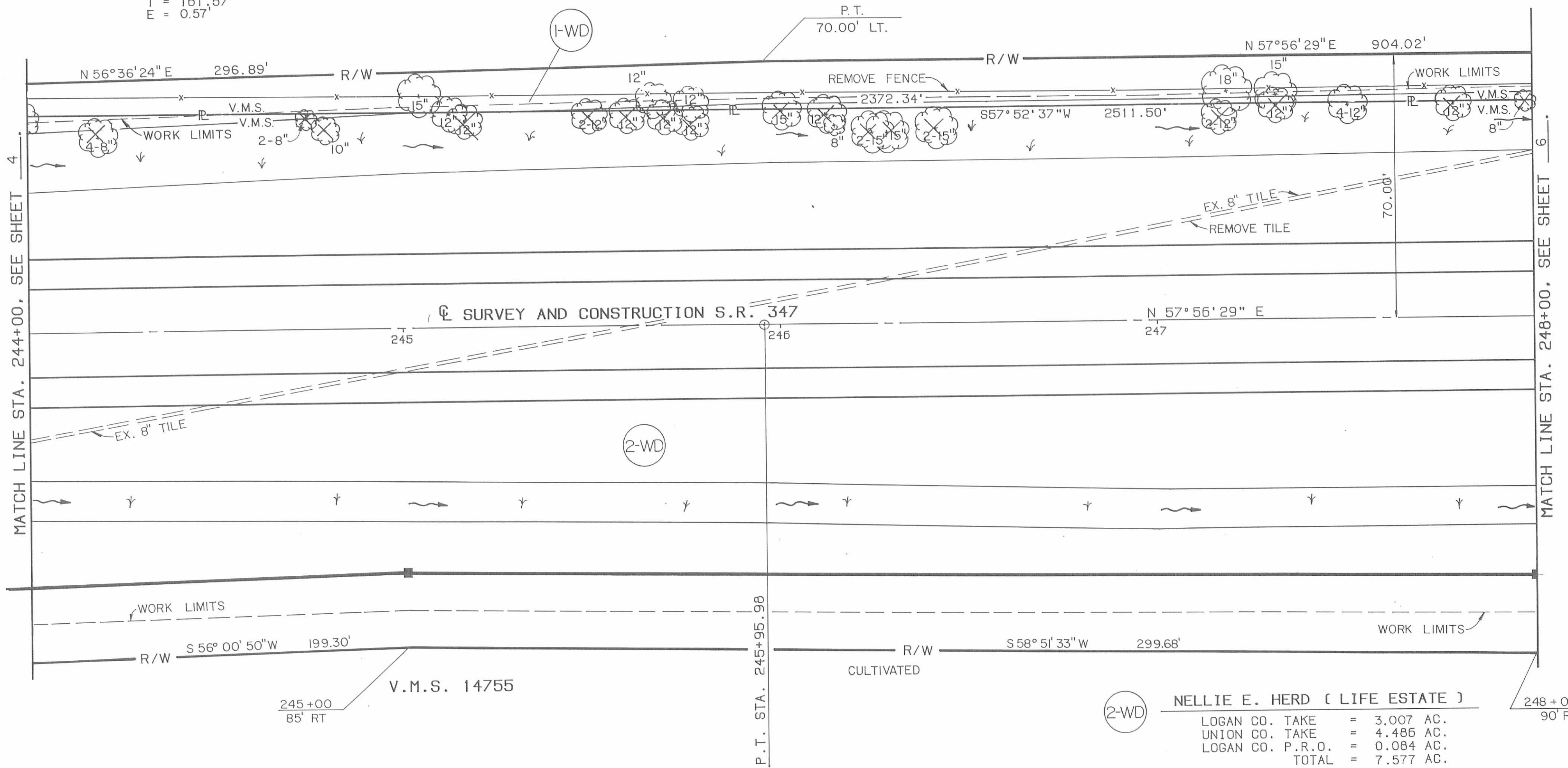
CURVE DATA
CURVE NO. 1
P.I. STA. 244+34.41
 $\Delta = 00^\circ 48' 25''$ RT.
D = 00° 15' 00"
R = 22,916.32'
L = 323.14'
T = 161.57'
E = 0.57'

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.

CULTIVATED



(2-WD)

NELLIE E. HERD (LIFE ESTATE)
LOGAN CO. TAKE = 3.007 AC.
UNION CO. TAKE = 4.486 AC.
LOGAN CO. P.R.O. = 0.084 AC.
TOTAL = 7.577 AC.

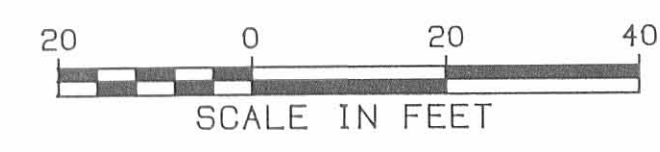
CULTIVATED

TYPE FUNDS: STATE

COMPLETION DATE		DESCRIPTION
REV.	DATE	

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

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

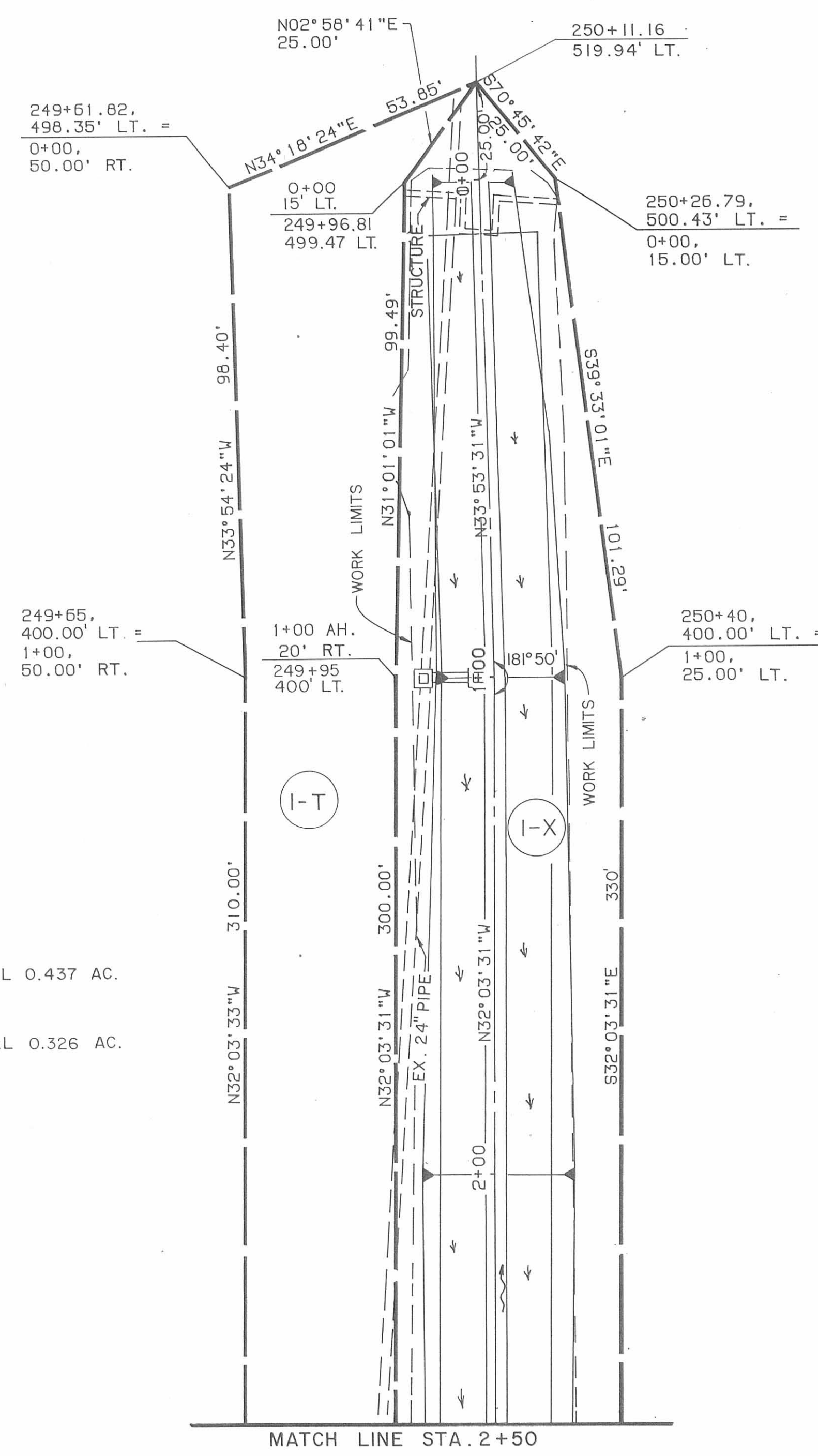
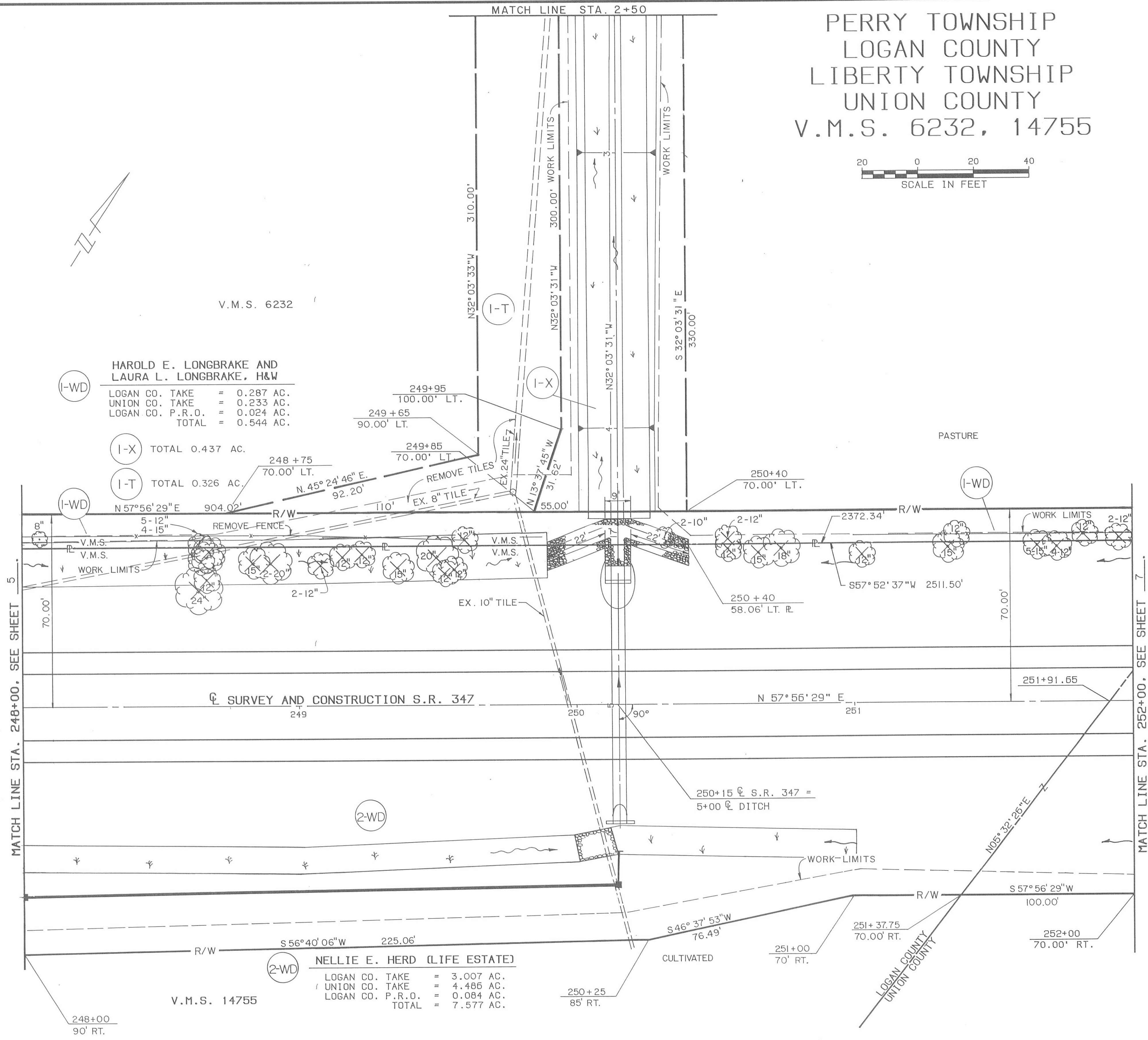


V.M.S. 6232

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.

(I-X) TOTAL 0.437 AC.

(I-T) TOTAL 0.326 AC.



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

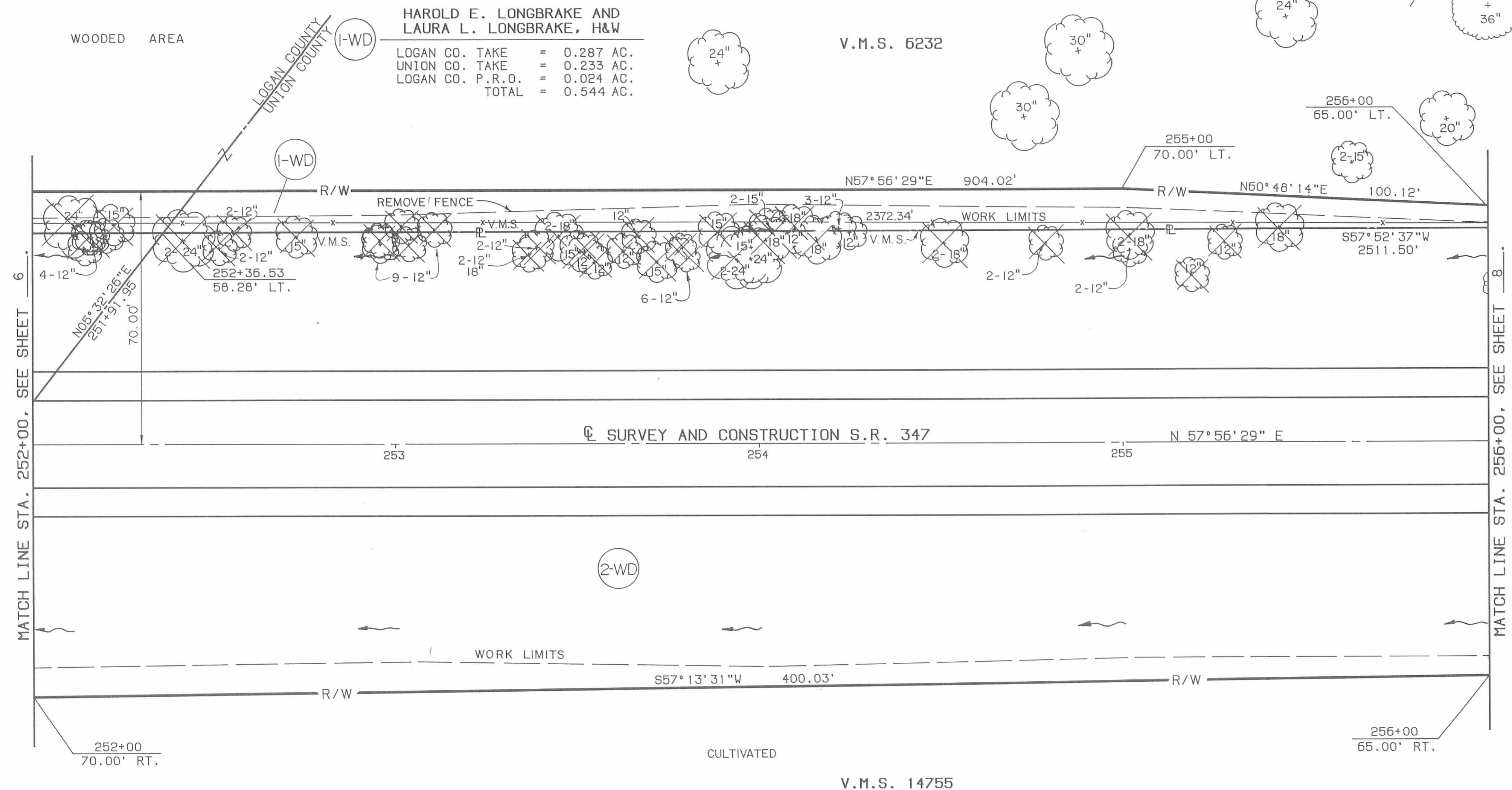
NELLIE E. HERD (LIFE ESTATE)
 LOGAN CO. TAKE = 3.007 AC.
 UNION CO. TAKE = 4.486 AC.
 LOGAN CO. P.R.O. = 0.084 AC.
 TOTAL = 7.577 AC.

TYPE FUNDS : STATE

COMPLETION DATE		DESCRIPTION
REV.	DATE	

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

CADC BY: J.M. DATE: 10-12	LOG/UNI-347-	OHIO	67
CHKD BY: G.H. DATE: 10-12	2.69/0.00	FHWA REGION 5	81
FEDERAL PROJECT	STATE PROJECT	06555(O)	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.

NELLIE E. HERD (LIFE ESTATE)

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UNION CO. TAKE	=	4.486 AC.
LOGAN CO. P.R.O.	=	0.084 AC.
TOTAL	=	7.577 AC.

TYPE FUNDS : STATE	
COMPLETION DATE	
REV.	DESCRIPTION

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

DATE 1-92	LOG/UNI-347-	OHIO
CHKD BY DHB	2.69/0.00	FHWA REGION 5
DATE 10-92		06555(O)

68
81
8
21

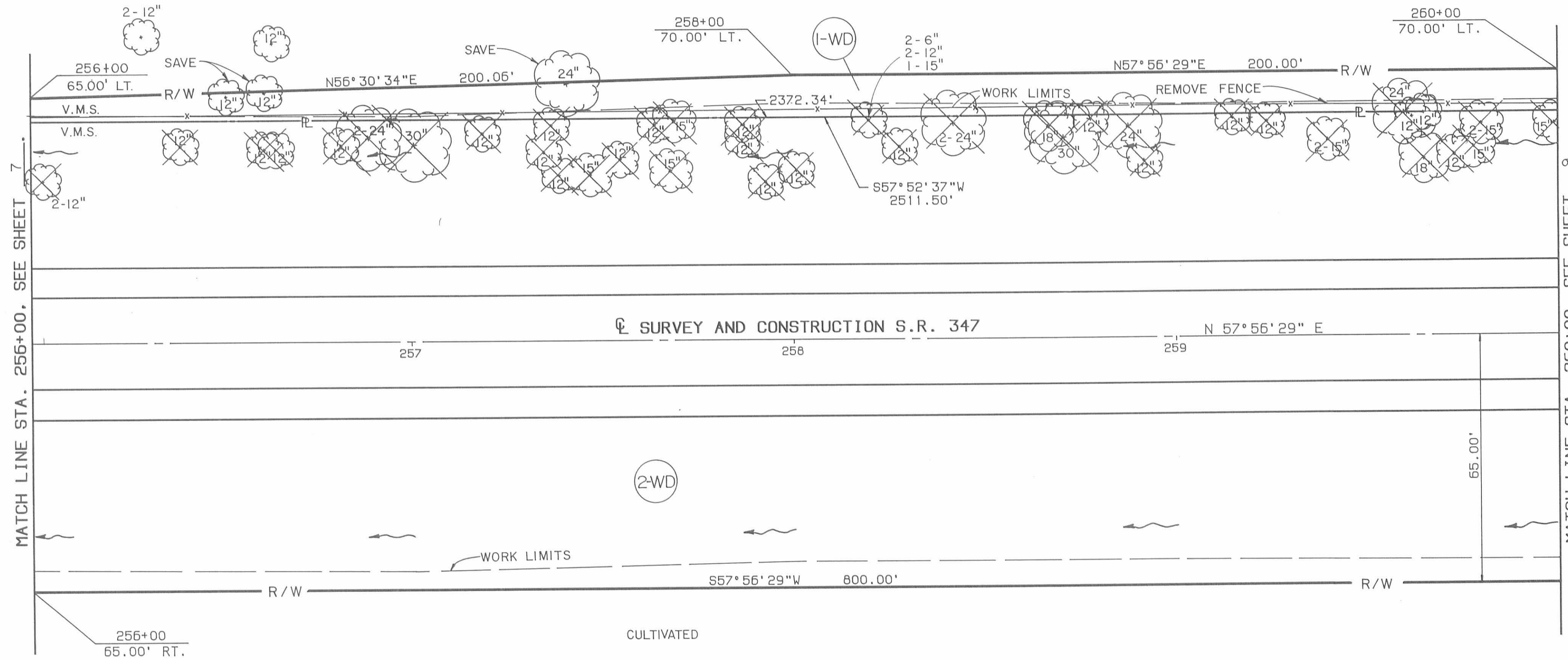


HAROLD E. LONGBRAKE AND
 LAURA L. LONGBRAKE, H&W

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

PASTURE

V.M.S. 6232



V.M.S. 14755

NELLIE E. HERD (LIFE ESTATE)

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	

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

CALC. BY: <i>DWG</i> DATE: 10-92	LOG/UNI-347-	OHIO	70
CHKD BY: <i>DWG</i> DATE: 10-92	2.69/0.00	FHWA REGION 5	81
FEDERAL PROJECT	STATE PROJECT	06555(0)	10
			21



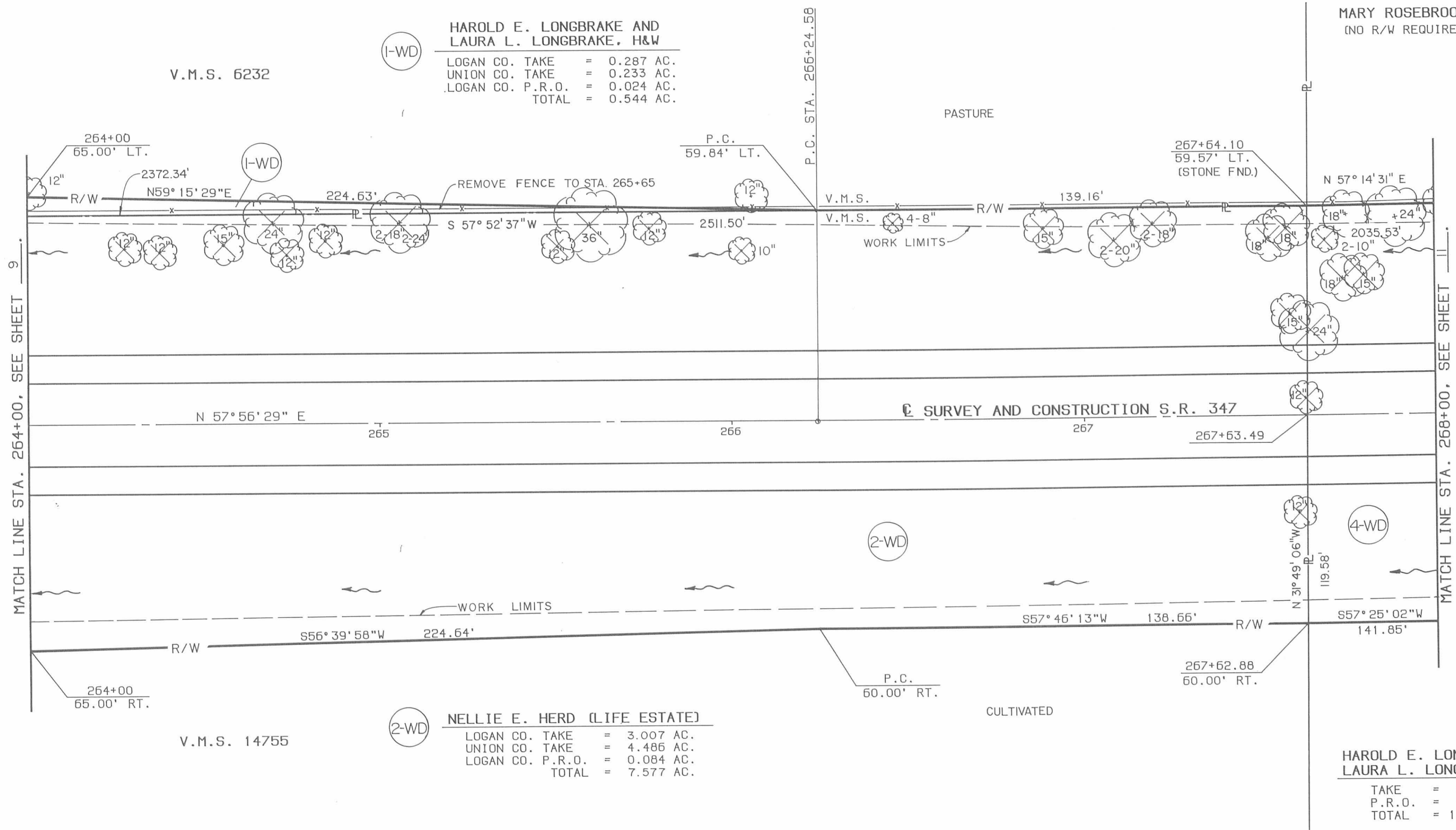
V.M.S. 6232

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.

MARY ROSEBROOK
(NO R/W REQUIRED)

3



2-WD

NELLIE E. HERD (LIFE ESTATE)
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

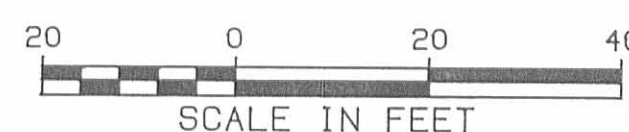
**HAROLD E. LONGBRAKE AND
LAURA L. LONGBRAKE, H&W**
TAKE = 9.323 AC.
P.R.O. = 1.235 AC.
TOTAL = 10.558 AC.

4-WD

TYPE FUNDS STATE		COMPLETION DATE	DESCRIPTION
REV.	DATE		

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

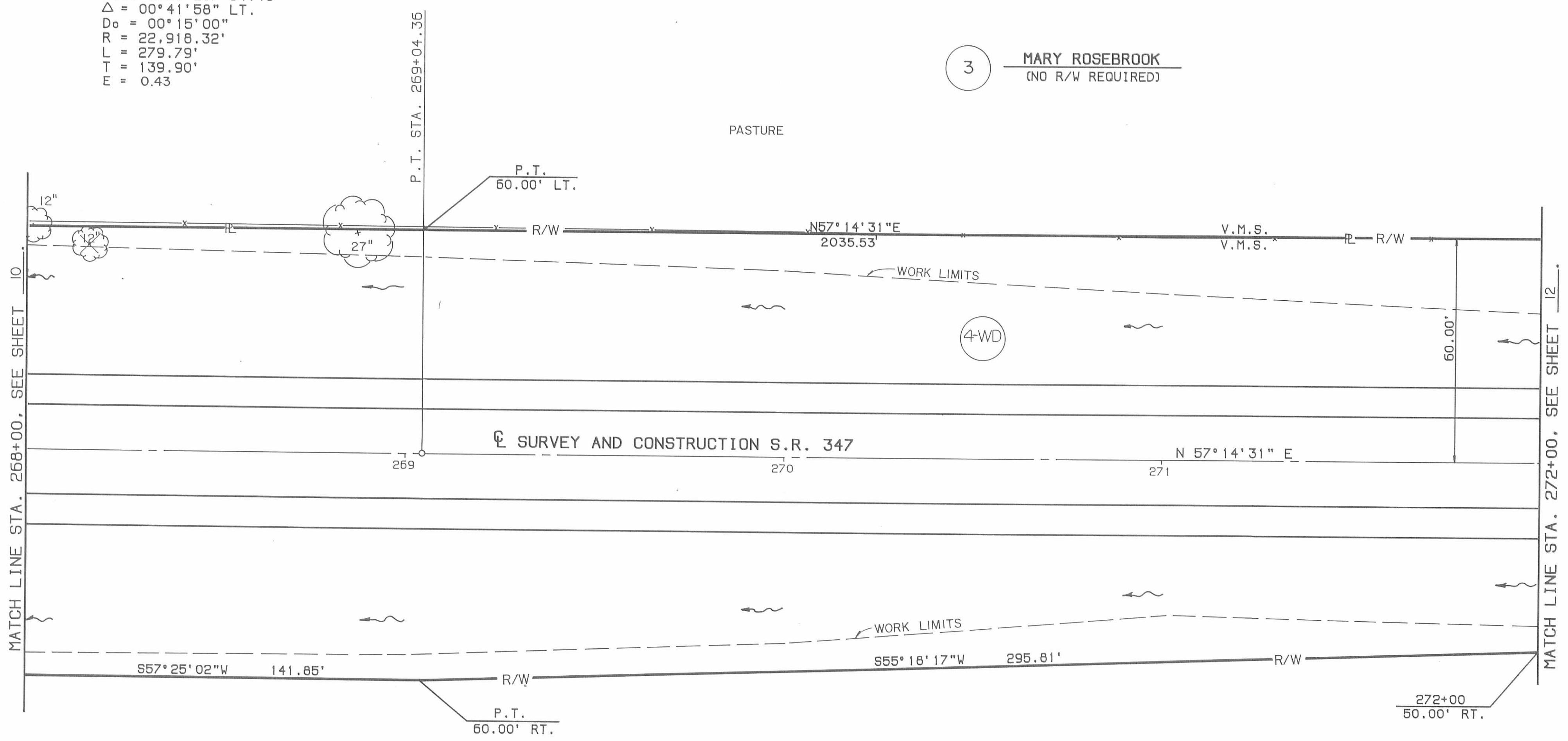
DATE BY DATE	LOG/UNI-347-	OHIO	71
CHKD BY DATE	2.69/0.00	FHWA REGION 5	81
FEDERAL PROJECT	STATE PROJECT	06555(O)	11
			21



CURVE DATA
CURVE NO. 2
P.I. STA. 267+64.48
 $\Delta = 00^\circ 41' 58''$ LT.
 $D_o = 00^\circ 15' 00''$
R = 22,916.32'
L = 279.79'
T = 139.90'
E = 0.43

V.M.S. 6232

3 MARY ROSEBROOK
(NO R/W REQUIRED)



CULTIVATED

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

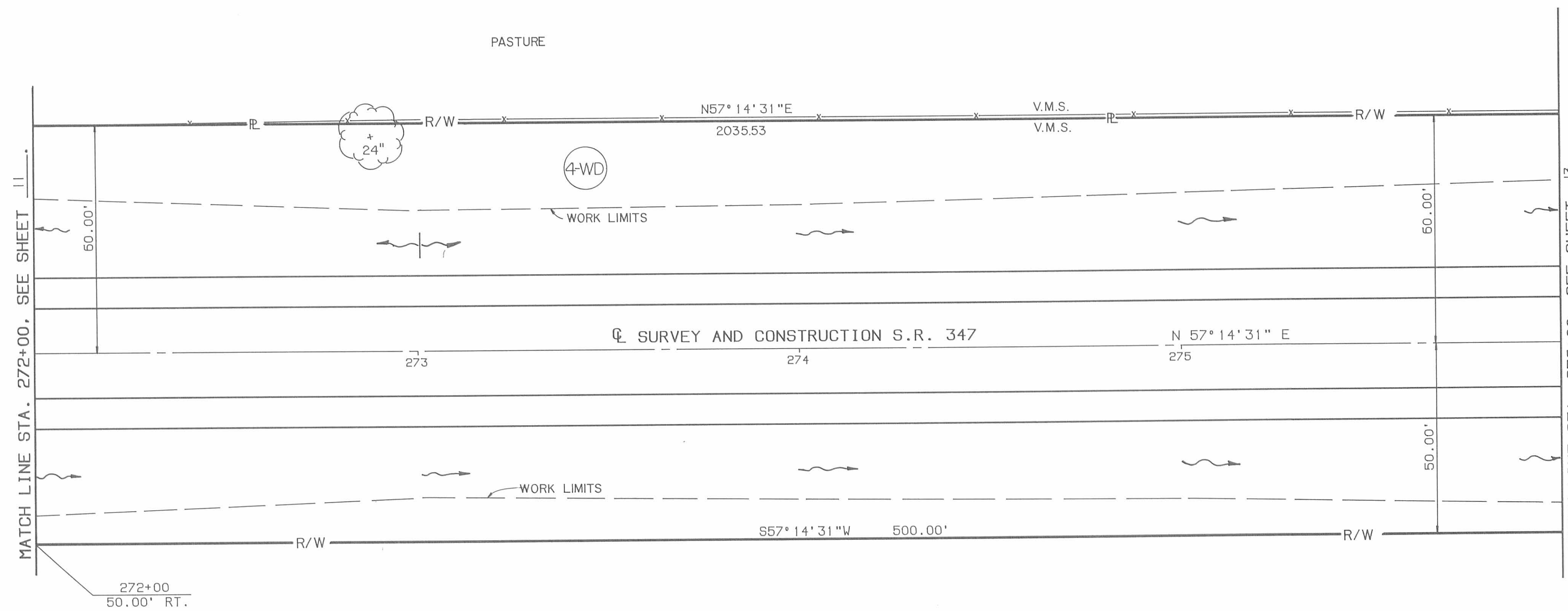


CALC BY DATE 10-26	LOG/UNI-347-	OHIO
CHKD BY DATE 10-22	2.69/0.00	FHWA REGION 5
FEDERAL PROJECT	STATE PROJECT	06555(0)

72
81
12
21

V.M.S. 6232

3 MARY ROSEBROOK
 (NO R/W REQUIRED)



V.M.S. 14755

CULTIVATED

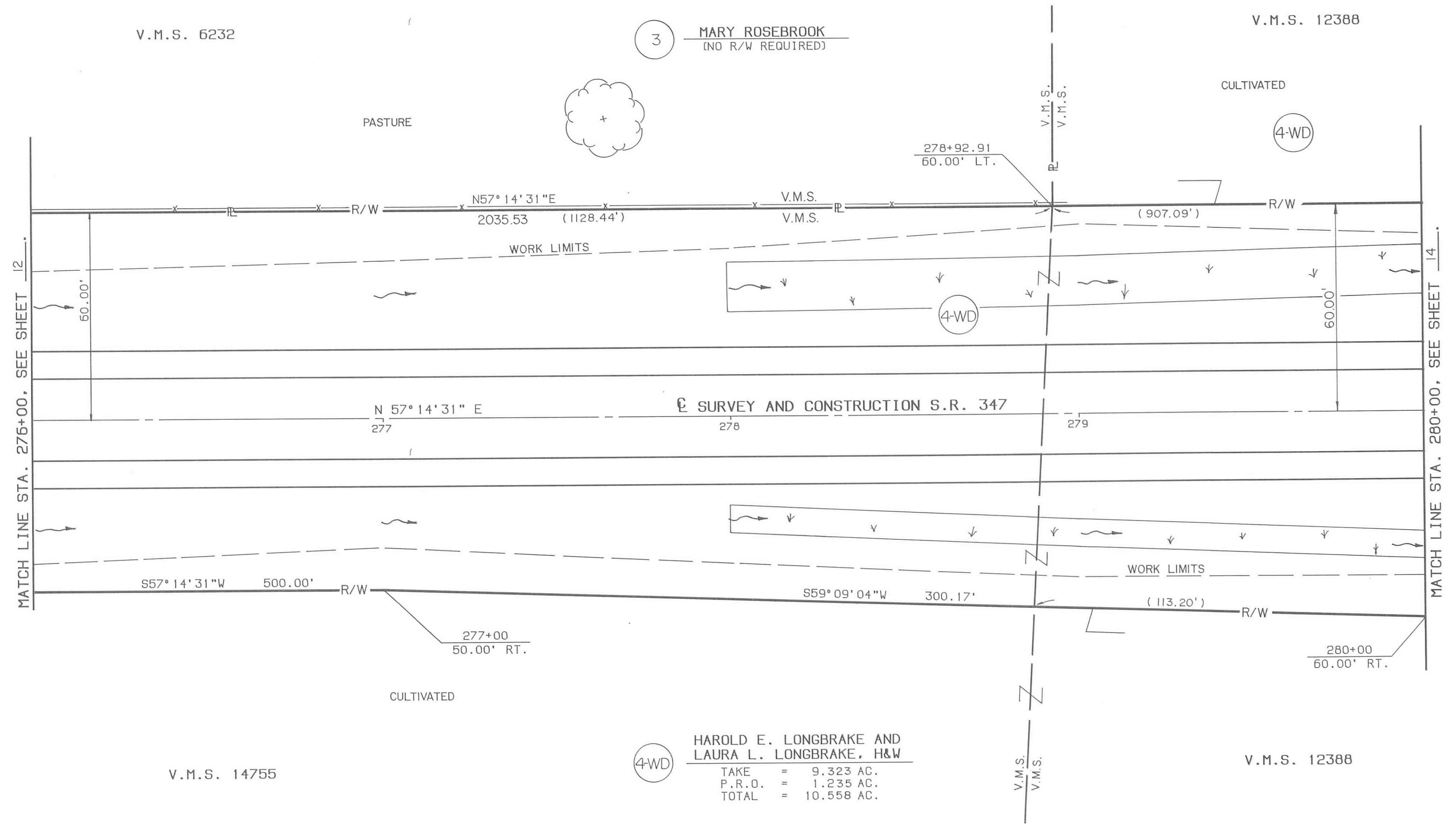
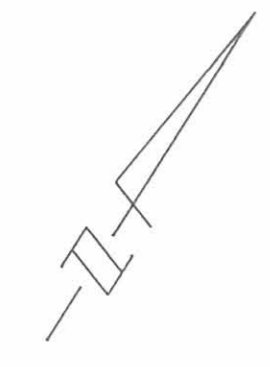
4-WD HAROLD E. LONGBRAKE AND
 LAURA L. LONGBRAKE, H&W
 TAKE = 9.323 AC.
 P.R.O. = 1.235 AC.
 TOTAL = 10.558 AC.

TYPE FUNDS : STATE

COMPLETION DATE		DESCRIPTION
REV.	DATE	

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

DATE 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)

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

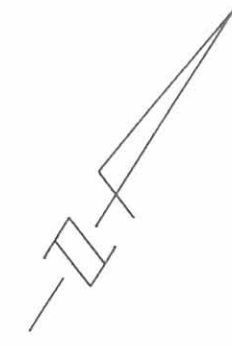
TYPE FUNDS - STATE

COMPLETION DATE		DESCRIPTION
REV.	DATE	

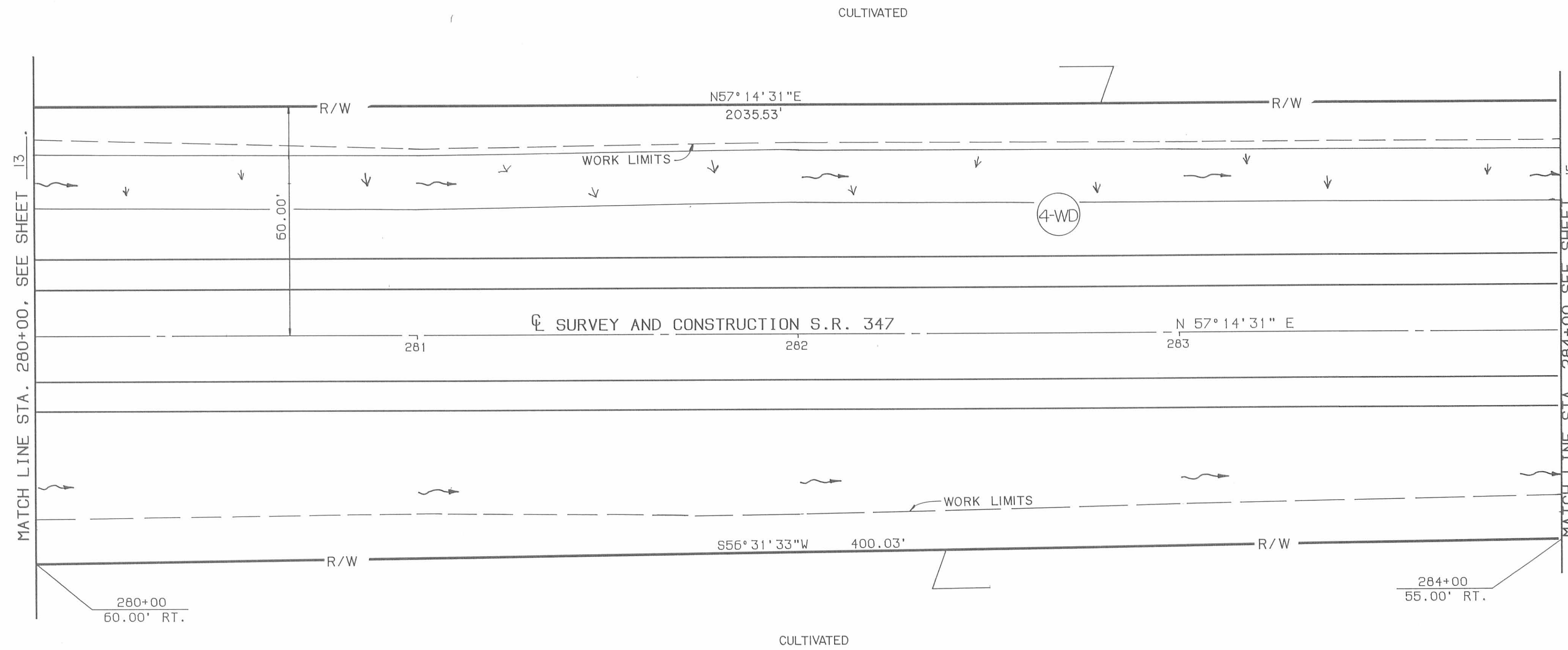
LIBERTY TOWNSHIP
UNION COUNTY
V.M.S. 12388

CHECKED BY: <i>MMR</i> DATE: <i>10-22</i>	LOG/UNI-347-	OHIO
CHECKED BY: <i>GAC</i> DATE: <i>10-22</i>	2.69/0.00	FHWA REGION 5
FEDERAL PROJECT	STATE PROJECT	06555(O)

74
81
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.

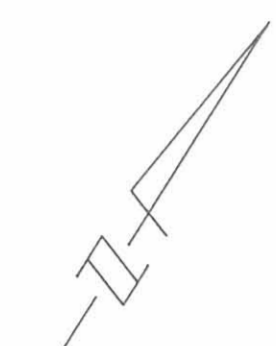
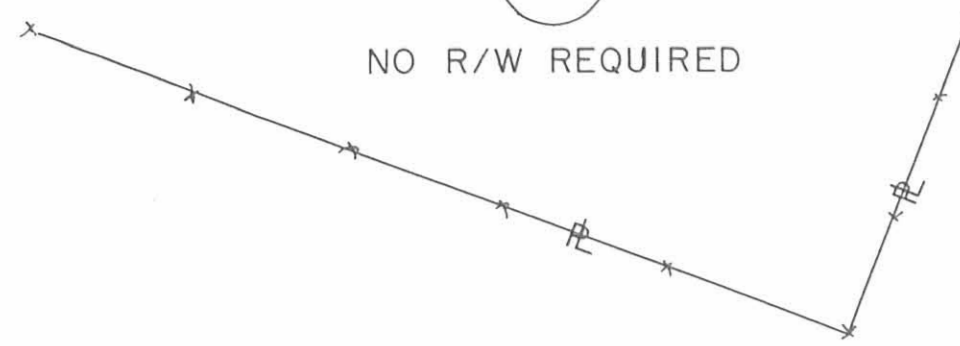


TYPE FUNDS : STATE		
COMPLETION DATE		
REV.	DATE	DESCRIPTION

JAMES D. REECE, JR. & DEBORAH L. REECE

6

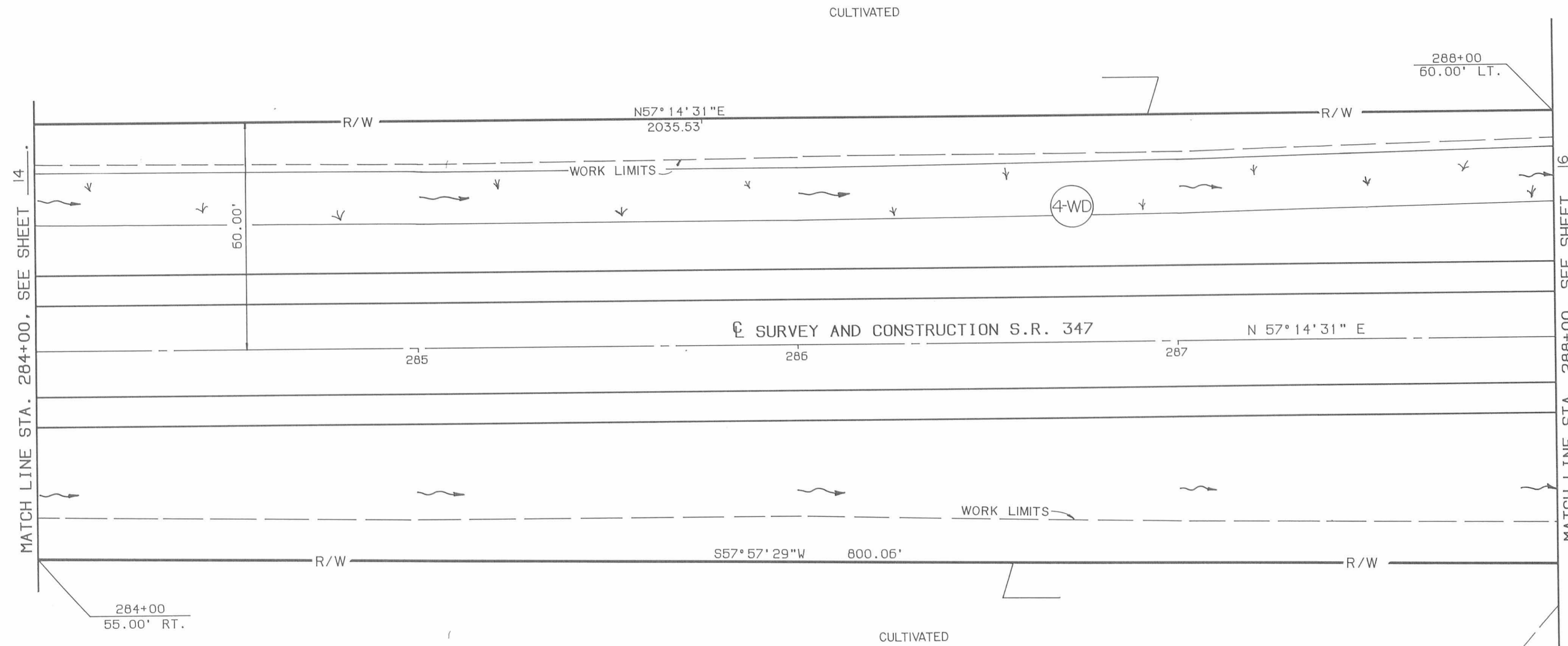
NO R/W REQUIRED



LIBERTY TOWNSHIP
UNION COUNTY
V.M.S. 12388



CALD. BY: <u>CRW</u> DATE: <u>10-92</u>	LOG/UNI-347-	OHIO	75
CHD. BY: <u>CNG</u> DATE: <u>10-92</u>	2.69/0.00	FHWA REGION 5	81
FEDERAL PROJECT		STATE PROJECT	06555(O)
			15
			21



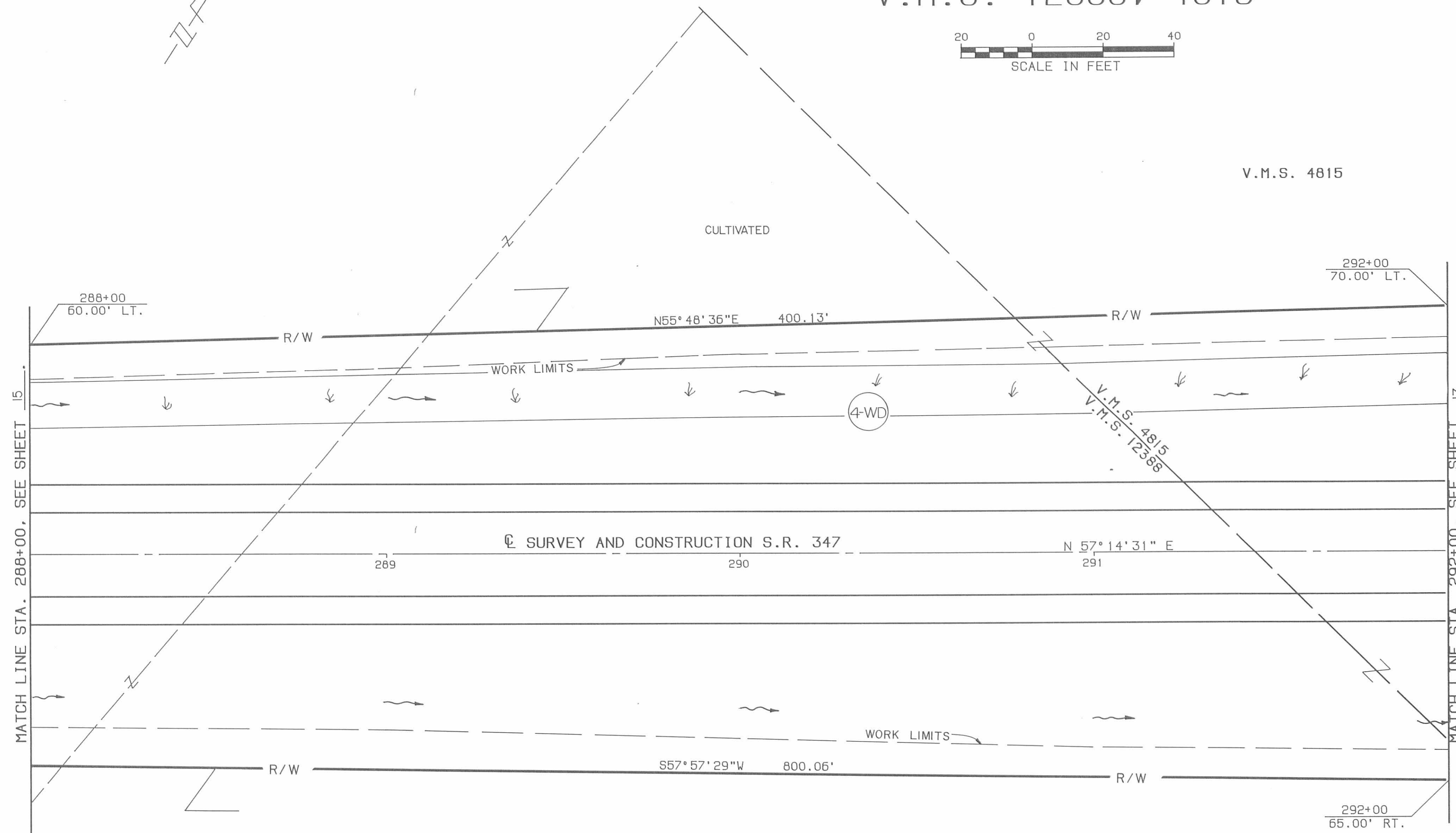
4-WD
HAROLD E. LONGBRAKE AND
LAURA L. LONGBRAKE, H&W
TAKE = 9.323 AC.
P.R.O. = 1.235 AC.
TOTAL = 10.558 AC.

TYPE FUNDS STATE		
COMPLETION DATE		
REV.	DATE	DESCRIPTION

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

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

76
81
16
21



V.M.S. 12388

CULTIVATED

V.M.S. 4815

CULTIVATED

4-WD

HAROLD E. LONGBRAKE AND
LAURA L. LONGBRAKE

TAKE = 9.323 AC.
P.R.O. = 1.235 AC.
TOTAL = 10.558 AC.

TYPE FUNDS : STATE

COMPLETION DATE		DESCRIPTION
REV.	DATE	

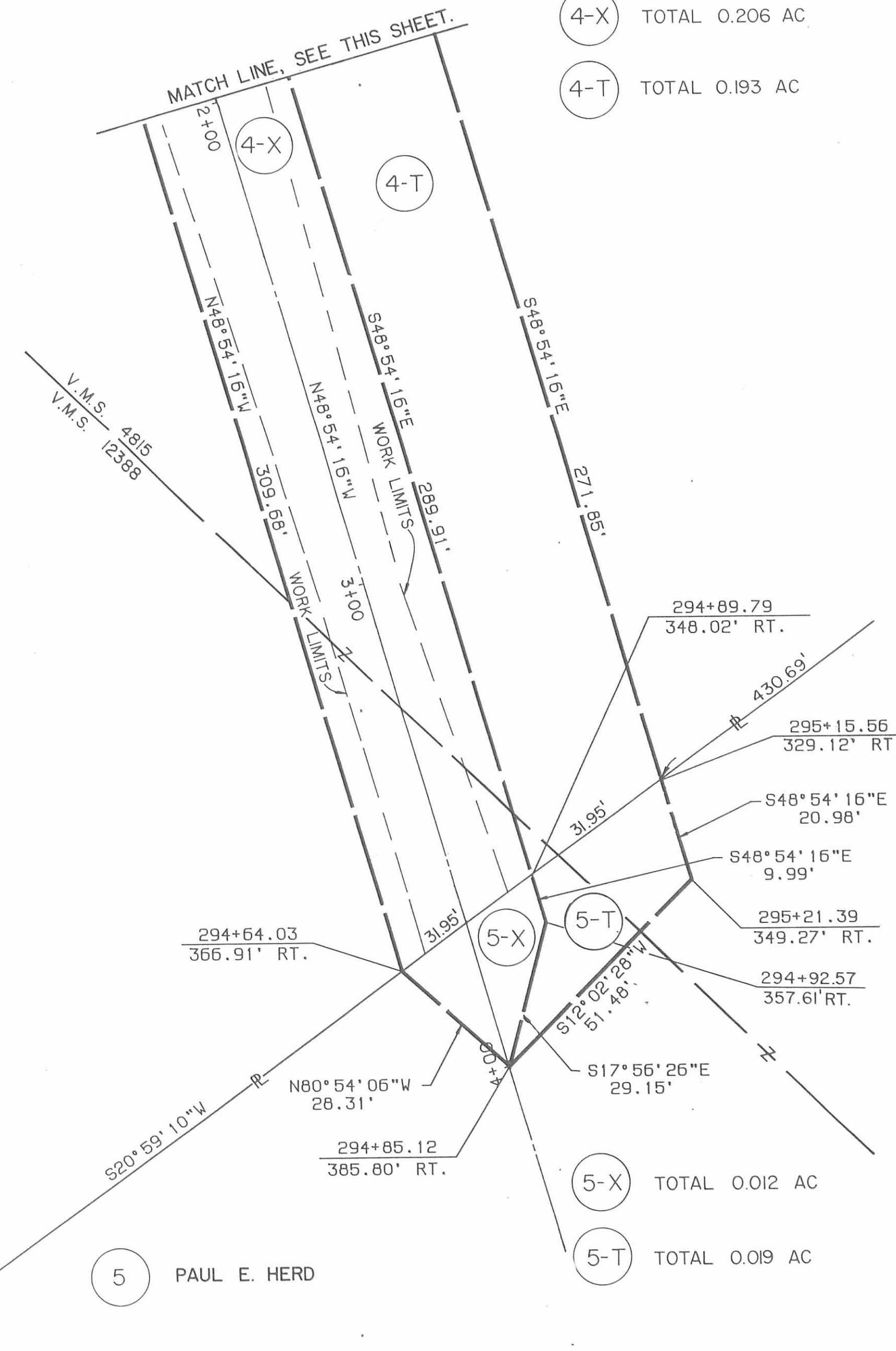
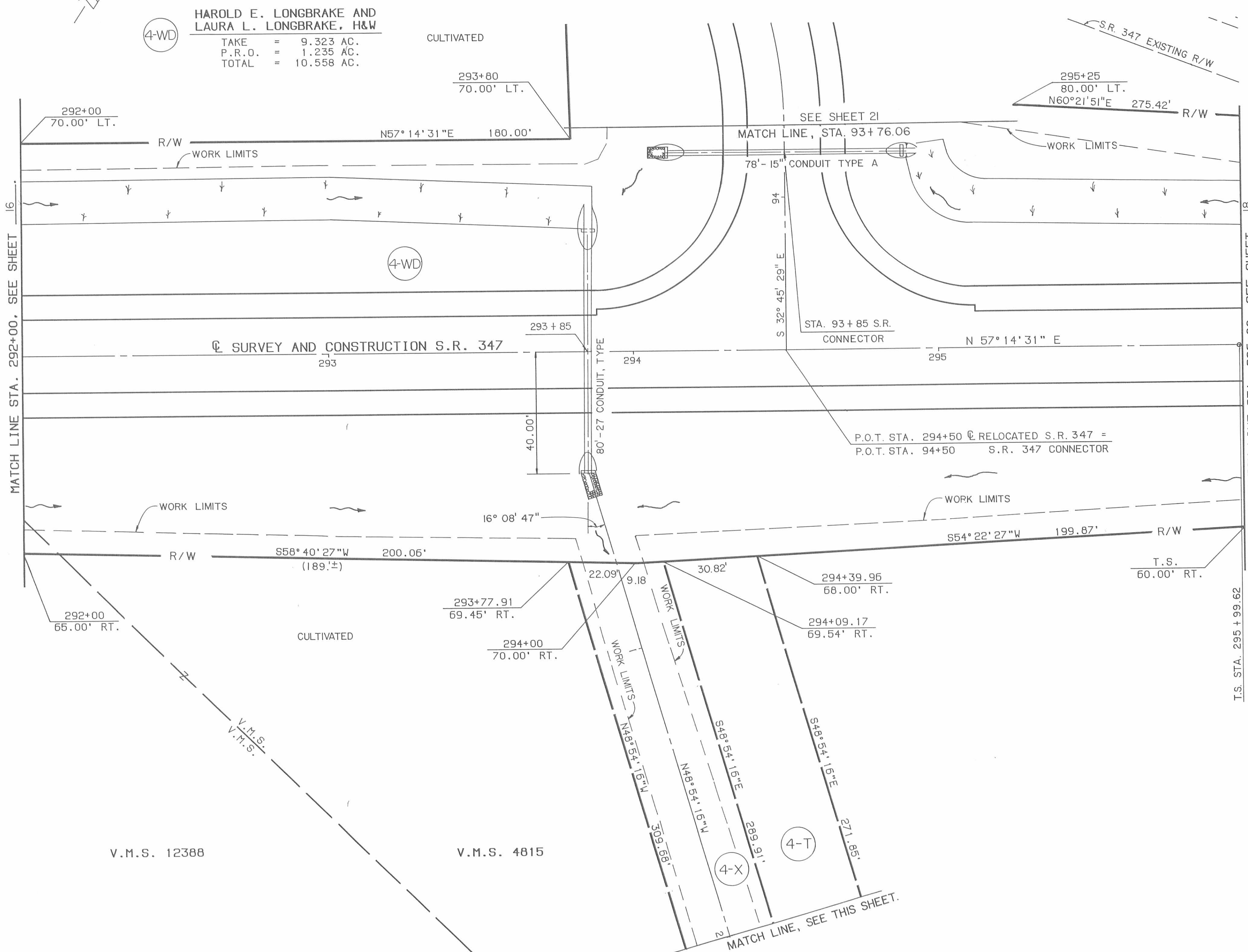
LIBERTY TOWNSHIP
UNION COUNTY
V.M.S. 12388, 4815

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

77
81
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.



4-X TOTAL 0.206 AC

4-T TOTAL 0.193 AC

5-X TOTAL 0.012 AC

5-T TOTAL 0.019 AC

5 PAUL E. HERD

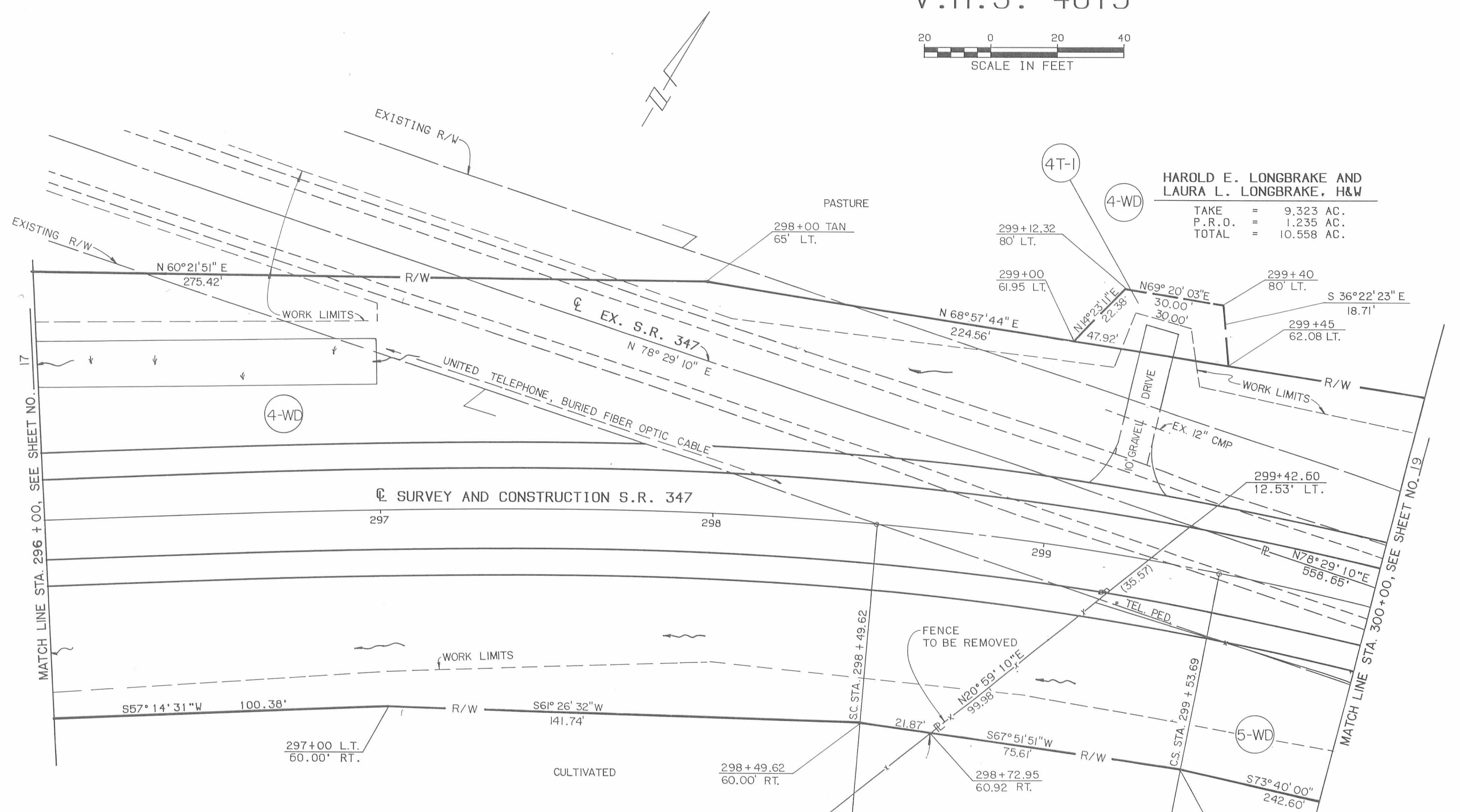
TYPE FUNDS: STATE

COMPLETION DATE		DESCRIPTION
REV.	DATE	

LIBERTY TOWNSHIP
UNION COUNTY
V.M.S. 4815



CALC. BY: <i>SMH</i> DATE: <i>10/12</i>	LOG/UNI-347-	OHIO	78
CHKD. BY: <i>CHG</i> DATE: <i>10/12</i>	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.
 $\Delta c = 6^\circ 14' 39''$ RT.
 $D_c = 6^\circ 00' 00''$
R = 954.93'
L = 104.07'
T = 52.09'
E = 1.42'
SPIRAL DATA
Ls = 250'
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'

5-WD

PAUL E. HERD

TAKE	=	0.335 AC.
P.R.O.	=	0.391 AC.
TOTAL	=	0.726 AC.

TYPE FUNDS: STATE

COMPLETION DATE	
REV. DATE	DESCRIPTION

LIBERTY TOWNSHIP
UNION COUNTY
V.M.S. 4815

CALC. BY: <i>GAN</i> DATE: <i>10-92</i>	LOG/UNI-347-	OHIO
CHKD. BY: <i>MB</i> DATE: <i>10-92</i>	2.69/0.00	FHWA REGION 5
FEDERAL PROJECT	STATE PROJECT	06555(0)

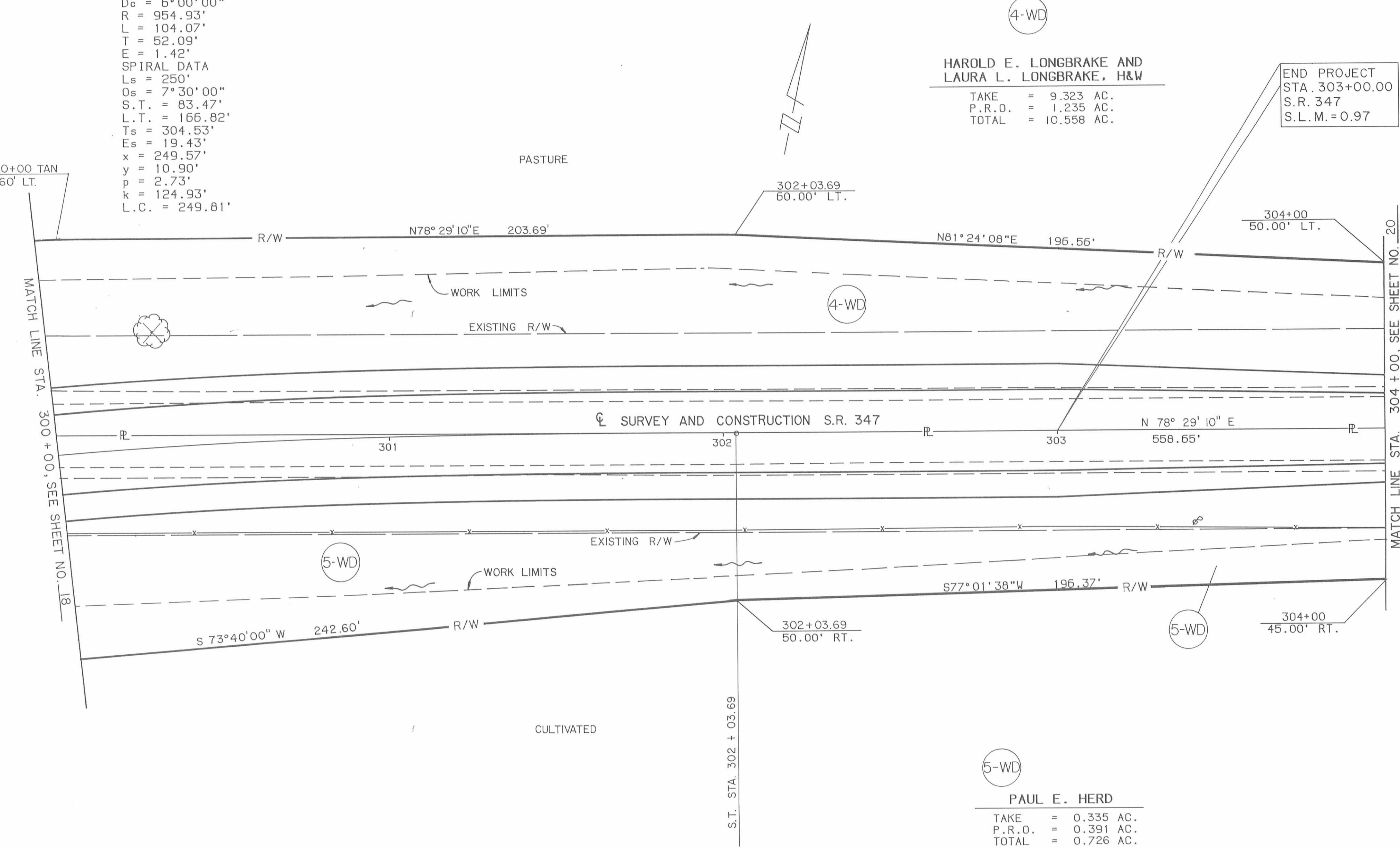
79
81
19
21

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
Ls = 250'
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'



MATCH LINE STA. 300+00, SEE SHEET NO. 18

MATCH LINE STA. 304+00, SEE SHEET NO. 20



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

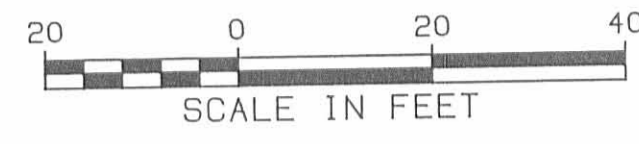
5-WD

PAUL E. HERD
TAKE = 0.335 AC.
P.R.O. = 0.391 AC.
TOTAL = 0.726 AC.

TYPE FUNDS: STATE

COMPLETION DATE		DESCRIPTION
REV.	DATE	

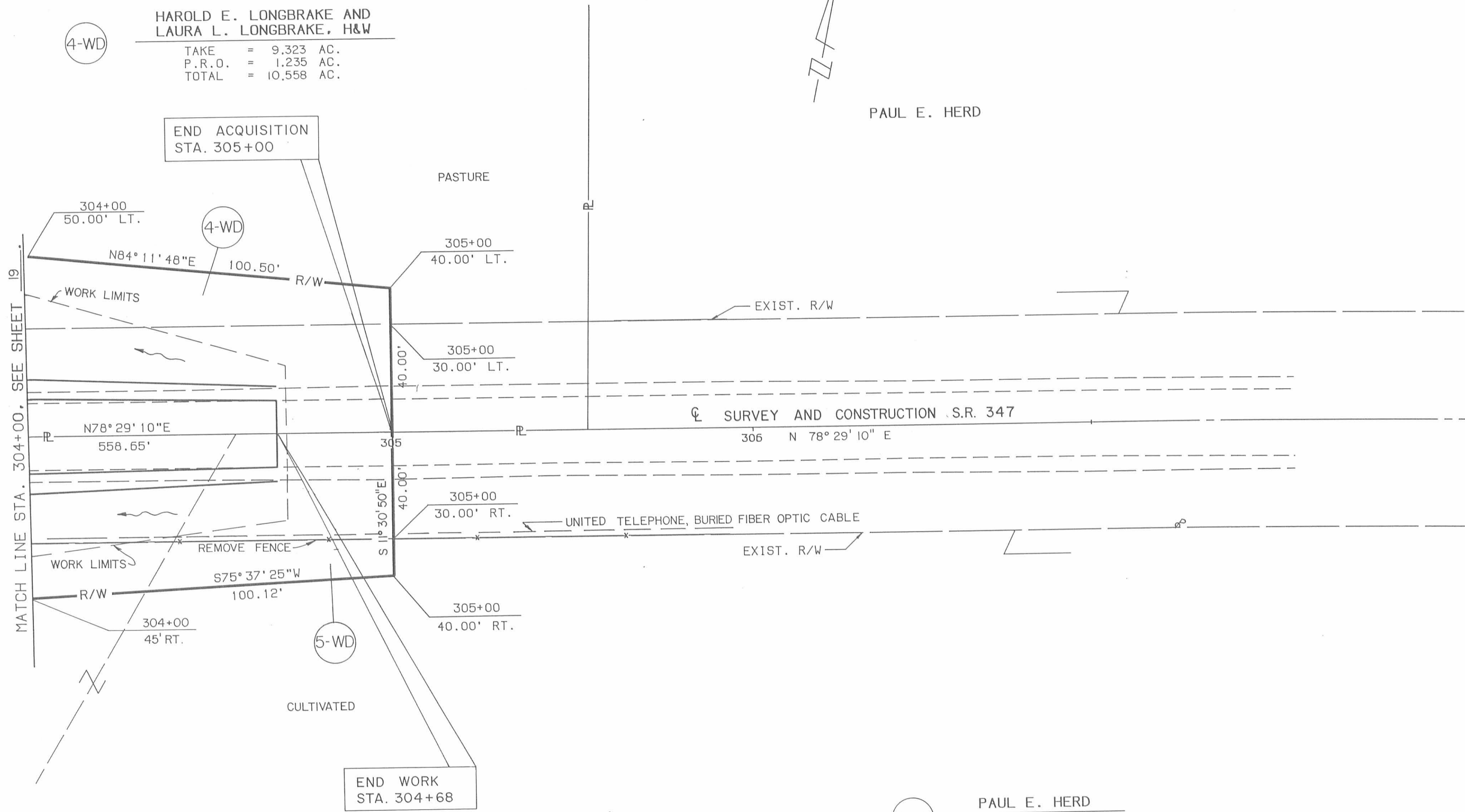
LIBERTY TOWNSHIP
UNION COUNTY
V.M.S. 4815



CALC. BY: <i>DMH</i> DATE: <i>10/92</i>	LOG/UNI-347-	OHIO	80
CHKD BY: <i>HB</i> DATE: <i>10/92</i>	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.

PAUL E. HERD



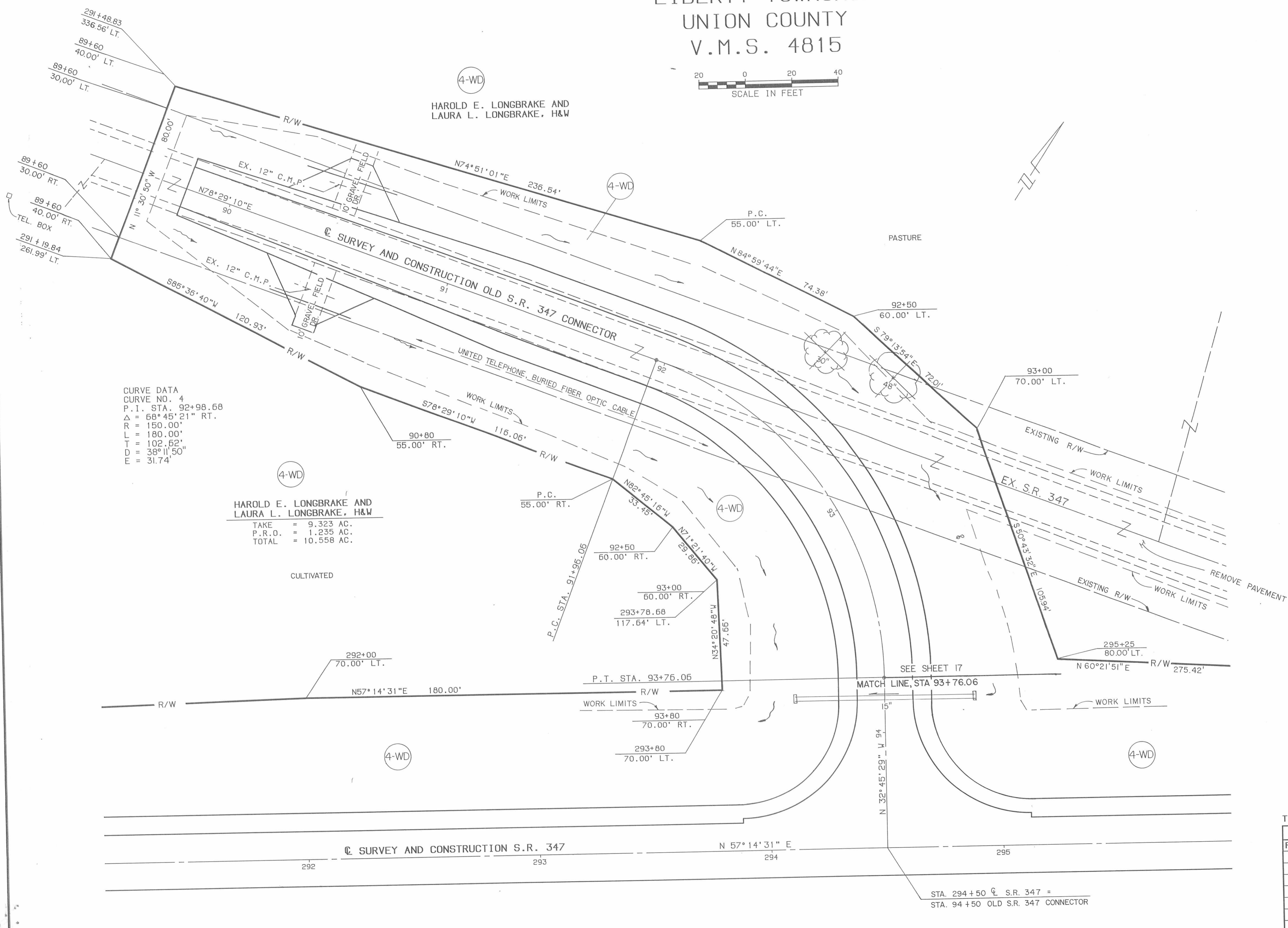
5-WD
 PAUL E. HERD
 TAKE = 0.335 AC.
 P.R.O. = 0.391 AC.
 TOTAL = 0.726 AC.

TYPE FUNDS: STATE

COMPLETION DATE		DESCRIPTION
REV.	DATE	

LIBERTY TOWNSHIP
UNION COUNTY
V.M.S. 4815

CALC. BY: <i>GMK</i>	LOG/UNI-347-	OHIO	81
DATE: 11/02	2.69/0.00	FHWA REGION 5	81
CHECKED BY: <i>AG</i>			21
DATE: 10-12		STATE PROJECT 06555 (0)	21
FEDERAL PROJECT			



CURVE DATA
CURVE NO. 4
P.I. STA. 92+98.68
 $\Delta = 68^\circ 45' 21''$ RT.
R = 150.00'
L = 180.00'
T = 102.52'
D = 38° 11' 50"
E = 31.74'

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

R/W PLAN OLD S.R. 347 CONNECTOR STA. 89+00 TO STA. 94+50

TYPE FUNDS : STATE

COMPLETION DATE		DESCRIPTION
REV.	DATE	