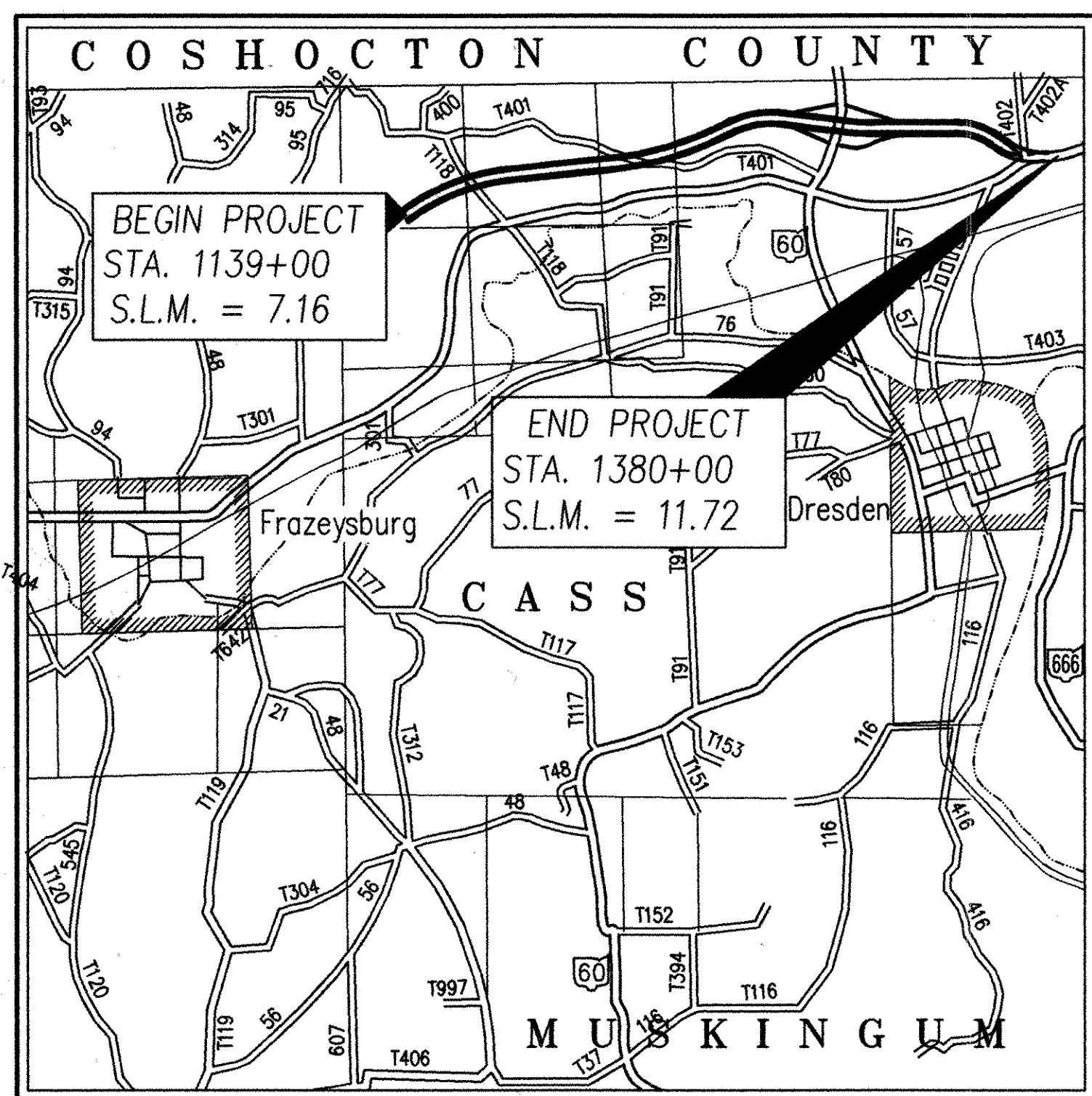


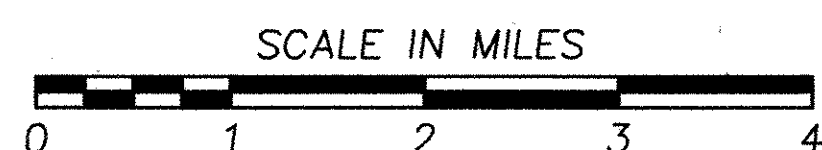
STATE OF OHIO  
DEPARTMENT OF TRANSPORTATION

# MUS-16-7.16

CASS TOWNSHIP  
MUSKINGUM COUNTY



LATITUDE N 43°38'23"  
LONGITUDE W 86°58'16"



PORTION TO BE IMPROVED

STATE ROADS

OTHER ROADS

## RIGHT OF WAY ONLY

### PROJECT DESCRIPTION

DESIGN OF 4.56 MILES OF NEW FOUR LANE HIGHWAY. THIS DESIGN INCLUDES GRADE SEPARATIONS AT TOWNSHIP ROAD 118 AND STATE ROUTE 60. THIS DESIGN INCLUDES SIX NEW STRUCTURES, TWO AT EACH GRADE SEPARATION AND TWO OVER THE LITTLE WAKATOMIKA CREEK.

### LIMITED ACCESS

THIS IMPROVEMENT IS ESPECIALLY DESIGNED FOR THROUGH TRAFFIC AND HAS BEEN DECLARED A LIMITED ACCESS HIGHWAY OR FREEWAY BY ACTION OF THE DIRECTOR IN ACCORDANCE WITH THE PROVISIONS OF SECTION 5511.02 OF THE REVISED CODE OF OHIO.

### 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.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

### INDEX OF SHEETS

CENTERLINE PLATS	1-5
PROPERTY MAPS	6-8
SUMMARY OF ADDITIONAL RIGHT OF WAY	9-11
SUMMARY OF LIENS	12-13
SCHEMATIC PLANS	14-15
PLAN SHEETS	16-51

UNDERGROUND UTILITIES  
2 WORKING DAYS  
BEFORE YOU DIG  
CALL TOLL FREE 800-362-2764  
OHIO UTILITIES PROTECTION SERVICE  
NON-MEMBERS MUST BE  
CALLED DIRECTLY

PLANS PREPARED BY:

RESOURCE INTERNATIONAL INC.  
281 ENTERPRISE DR.  
WESTERVILLE, OHIO 43081  
(614) 886-1959

APPROVED \_\_\_\_\_

DATE \_\_\_\_\_ DISTRICT DEPUTY DIRECTOR

APPROVED \_\_\_\_\_

DATE \_\_\_\_\_ DISTRICT REAL ESTATE ADMINISTRATOR

FEDERAL PROJECT NO.  
FEDERAL

PID NO.  
16299

CONSTRUCTION PROJECT NO.  
CONST.

RAILROAD INVOLVEMENT  
NONE

MUS-16-7.16

652  
703



#23168

RECEIVED MAY 4, 2001 Date  
RECORDED MAY 4, 2001 Date  
PLAT BOOK 18 PAGES 12 THRU 16  
SIGNED Recorder MUSKINGUM COUNTY, OHIO #100.00

P.B. 18, PG. 12

R1001721

MUS-16-7.16  
MUSKINGUM COUNTY  
CASS TOWNSHIP  
SECTIONS 4, 5 & 6  
TOWNSHIP 3 NORTH, RANGE 8 WEST

I HEREBY CERTIFY THAT THIS PLAT IS A TRUE DELINEATION OF A SURVEY MADE FOR THE OHIO DEPARTMENT OF TRANSPORTATION IN 1996 BY RESOURCE INTERNATIONAL, INC.

THE ESTABLISHMENT OF THE PROPERTY LINES AND EXISTING RIGHT OF WAY LINES SHOWN ON THIS PLAN AS OF THIS DATE WAS PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION.

BY Joseph S. Bolzenius  
JOSEPH S. BOLZENIUS

SURVEYOR NO. S-7526 DATE 6/11/99

CENTERLINE MONUMENTS TO BE SET DURING CONSTRUCTION

STATION	QUANT.
P.C. STA. 1140+96.00	1
P.O.C. STA. 1145+00.00	1
P.O.C. STA. 1150+00.00	1
P.O.C. STA. 1155+00.00	1
P.O.C. STA. 1160+00.00	1
TOTAL	5

\* QUANTITIES LISTED ON OTHER SHEETS

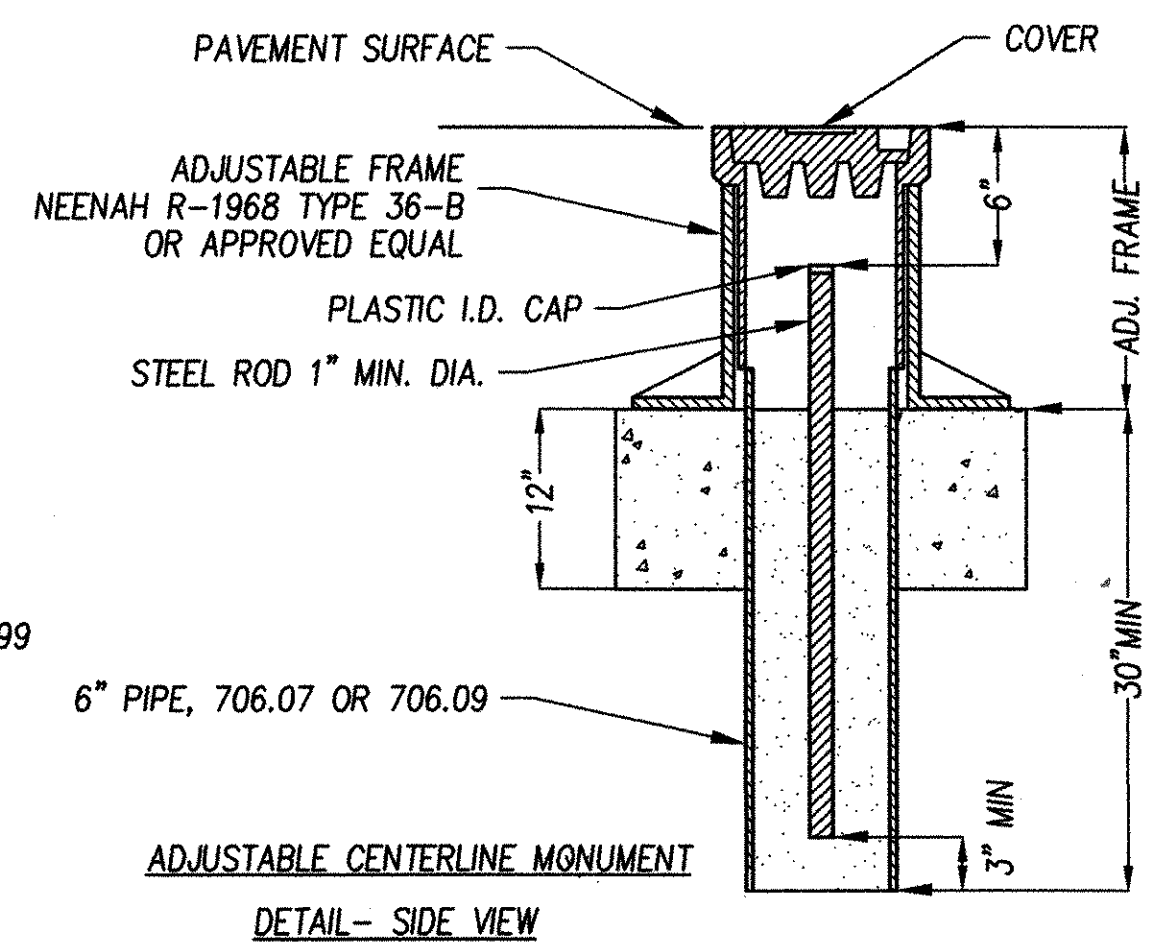
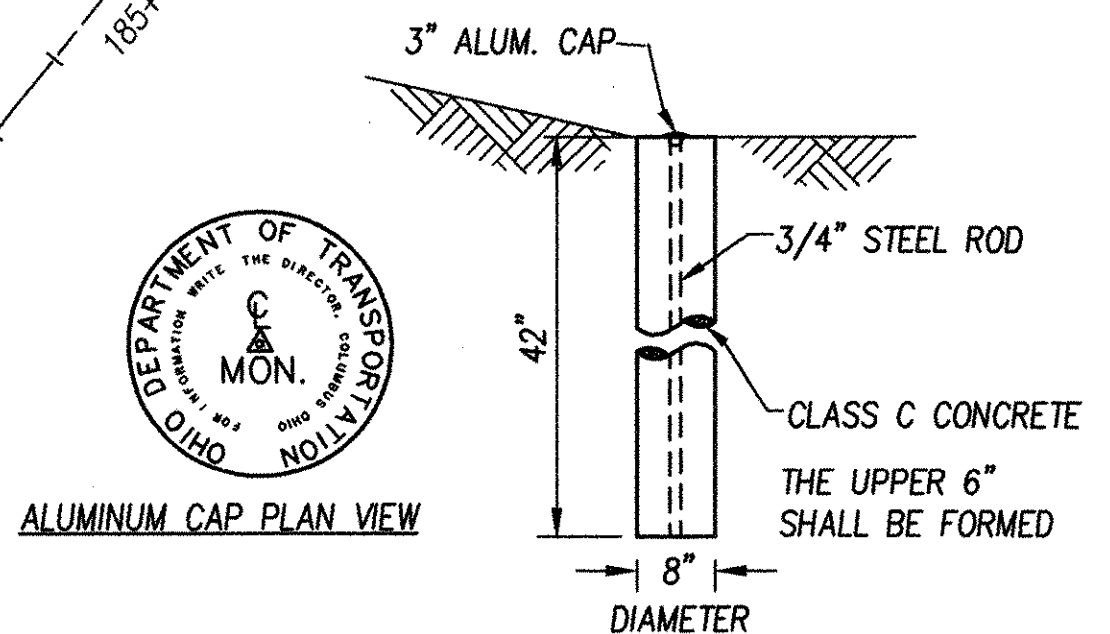
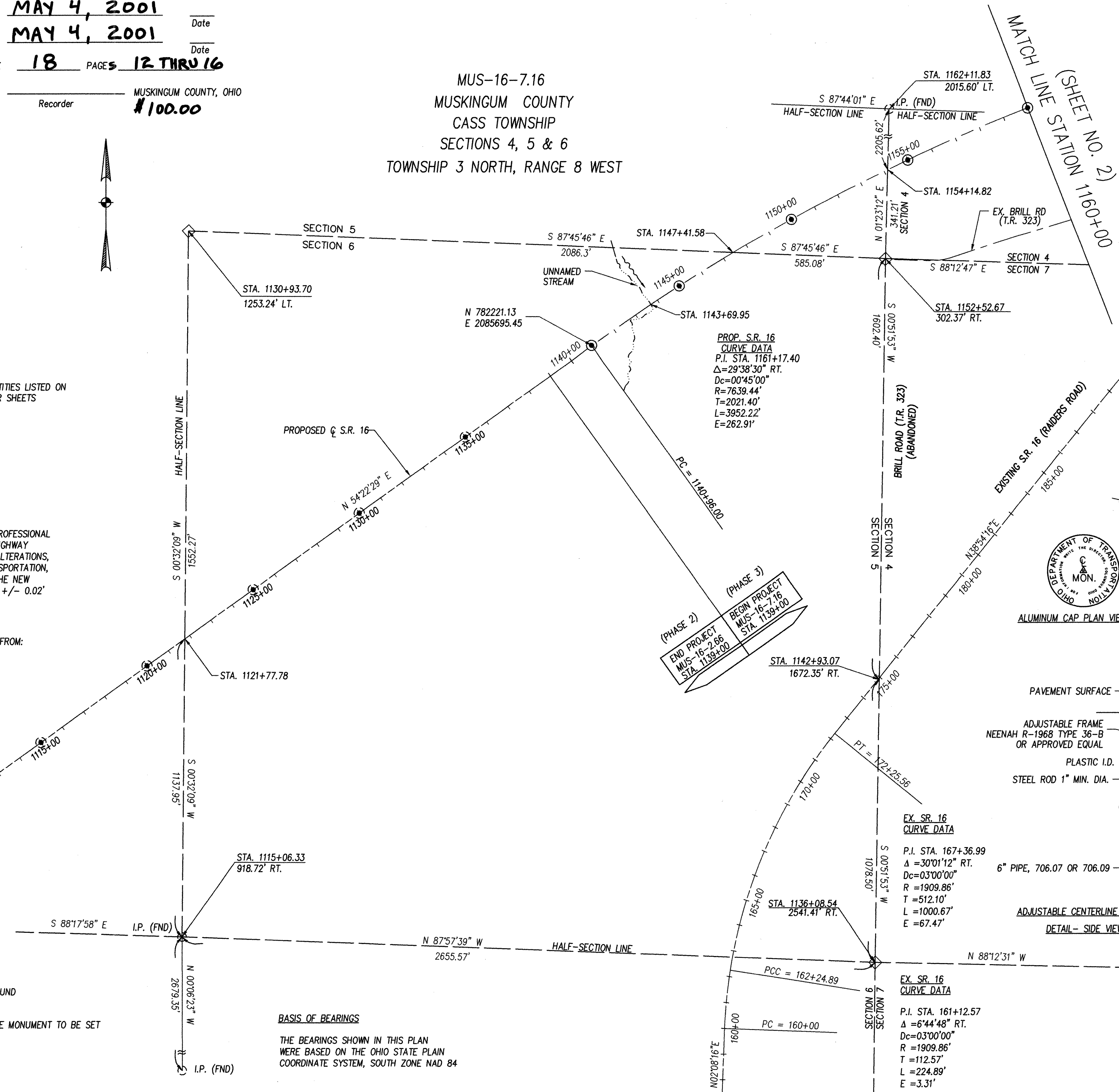
QUANTITIES CARRIED TO GENERAL SUMMARY

CENTERLINE MONUMENTS SHALL BE CONSTRUCTED AS SHOWN ON THIS SHEET. THE PLACING OF THE MONUMENTS SHALL BE UNDER THE DIRECTION OF A PROFESSIONAL SURVEYOR AND ARE TO BE SET AS SHOWN BY THE HIGHWAY CONTRACTOR AT THE TIME OF CONSTRUCTION. ANY ALTERATIONS, WITH PRIOR APPROVAL OF THE DEPARTMENT OF TRANSPORTATION, SHALL BE NOTED AND ODOT SHALL BE NOTIFIED OF THE NEW LOCATIONS. ALL MONUMENTS ARE TO BE SET WITHIN +/- 0.02' TOLERANCE.

NOTE: EXISTING CENTERLINE LOCATION DETERMINED FROM:  
--PRIOR RIGHT OF WAY PLAN SH 347, MUSKINGUM COUNTY 1931  
--PRIOR RIGHT OF WAY PLAN MUS-16-11.79-14.23, MUSKINGUM COUNTY 1950  
--PRIOR RIGHT OF WAY PLAN MUS-60-31.70 MUSKINGUM COUNTY 1968

- MONUMENT LEGEND**
- EXISTING MONUMENT FOUND
  - MONUMENT TO BE SET
  - Ⓜ ADJUSTABLE CENTERLINE MONUMENT TO BE SET
  - ◇ CALCULATED CORNER

**BASIS OF BEARINGS**  
THE BEARINGS SHOWN IN THIS PLAN WERE BASED ON THE OHIO STATE PLAIN COORDINATE SYSTEM, SOUTH ZONE NAD 84

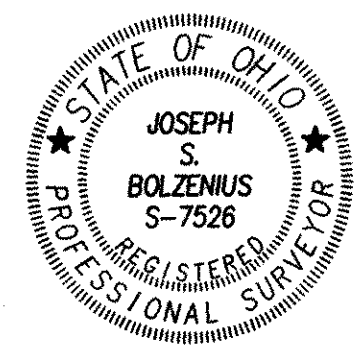


REV.	DATE	DESCRIPTION
DATE OF COMPLETION: 1/15/99		

CENTERLINE PLAT  
 STA. 1110+00 TO STA. 1160+00  
 MUS-16-7.16  
 1/51  
 653  
 703

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RESOURCE INTERNATIONAL, INC.  
PROJECT NO. W-5201



NOTE: EXISTING CENTERLINE LOCATION DETERMINED FROM:  
 --PRIOR RIGHT OF WAY PLAN SH 347,  
 MUSKINGUM COUNTY 1931  
 --PRIOR RIGHT OF WAY PLAN MUS-16-11.79-14.23,  
 MUSKINGUM COUNTY 1950  
 --PRIOR RIGHT OF WAY PLAN MUS-60-31.70  
 MUSKINGUM COUNTY 1968

CENTERLINE MONUMENTS TO BE SET DURING CONSTRUCTION

STATION	QUANT.
P.O.C. STA. 1160+00.00	*
P.O.C. STA. 1165+00.00	1
P.O.C. STA. 1170+00.00	1
P.O.C. STA. 1175+00.00	1
PT STA. 1180+48.23	1
P.O.T. STA. 1185+00.00	1
P.O.T. STA. 1190+00.00	1
P.O.T. STA. 1195+00.00	1
P.O.T. STA. 1200+00.00	1
P.O.T. STA. 1205+00.00	1
P.O.T. STA. 1210+00.00	1
TOTAL	10

\* QUANTITIES LISTED ON OTHER SHEETS

MUS-16-7.16  
 MUSKINGUM COUNTY  
 CASS TOWNSHIP  
 SECTIONS 3 & 4  
 TOWNSHIP 3 NORTH, RANGE 8 WEST

CASS IRISH RIDGE ROAD



QUANTITIES CARRIED TO GENERAL SUMMARY

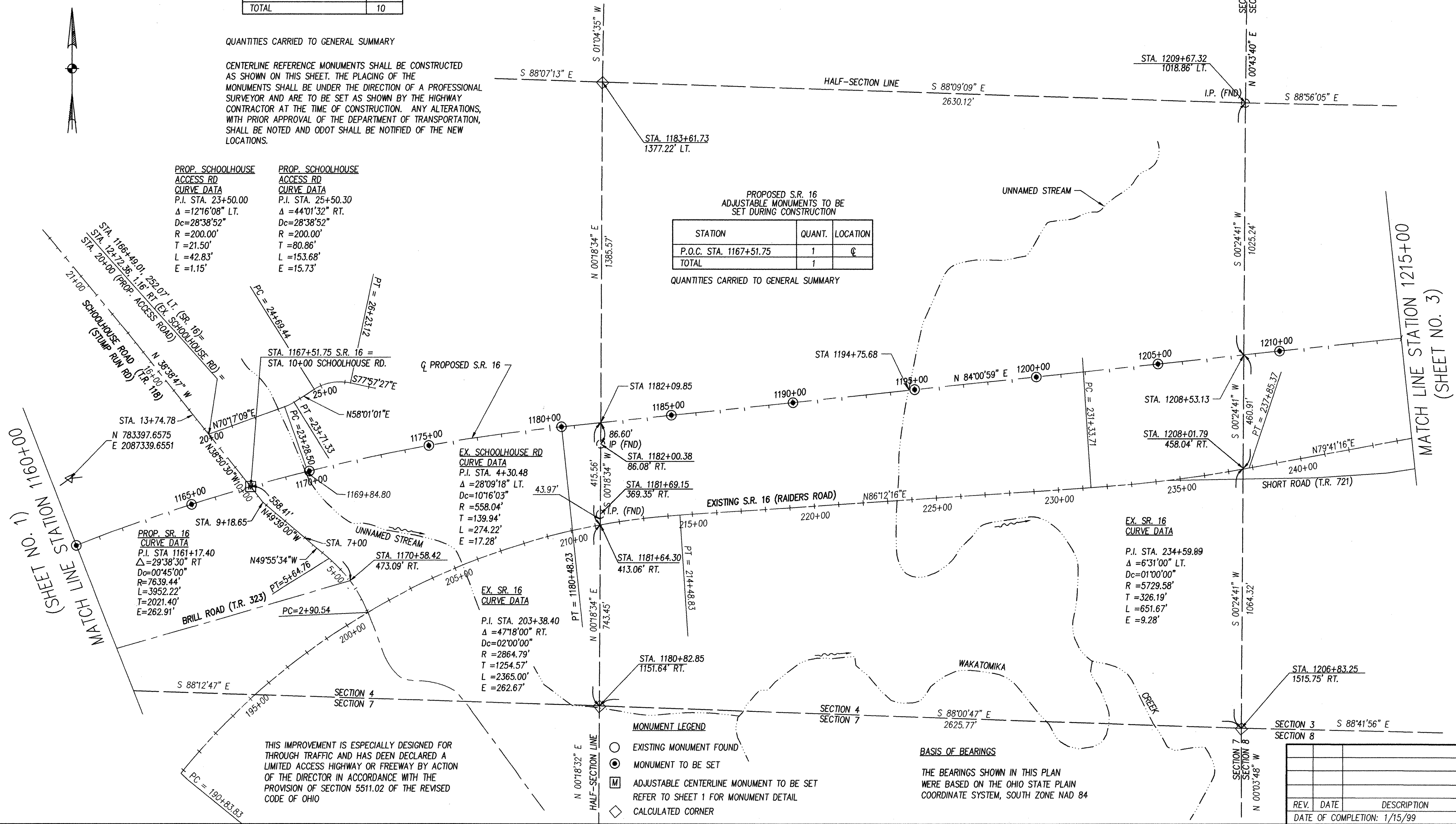
CENTERLINE REFERENCE MONUMENTS SHALL BE CONSTRUCTED AS SHOWN ON THIS SHEET. THE PLACING OF THE MONUMENTS SHALL BE UNDER THE DIRECTION OF A PROFESSIONAL SURVEYOR AND ARE TO BE SET AS SHOWN BY THE HIGHWAY CONTRACTOR AT THE TIME OF CONSTRUCTION. ANY ALTERATIONS, WITH PRIOR APPROVAL OF THE DEPARTMENT OF TRANSPORTATION, SHALL BE NOTED AND ODOT SHALL BE NOTIFIED OF THE NEW LOCATIONS.

PROP. SCHOOLHOUSE ACCESS RD CURVE DATA	PROP. SCHOOLHOUSE ACCESS RD CURVE DATA
P.I. STA. 23+50.00	P.I. STA. 25+50.30
$\Delta = 12^{\circ}16'08''$ LT.	$\Delta = 44^{\circ}01'32''$ RT.
$D_c = 28^{\circ}38'52''$	$D_c = 28^{\circ}38'52''$
$R = 200.00'$	$R = 200.00'$
$T = 21.50'$	$T = 80.86'$
$L = 42.83'$	$L = 153.68'$
$E = 1.15'$	$E = 15.73'$

PROPOSED S.R. 16 ADJUSTABLE MONUMENTS TO BE SET DURING CONSTRUCTION

STATION	QUANT.	LOCATION
P.O.C. STA. 1167+51.75	1	€
TOTAL	1	

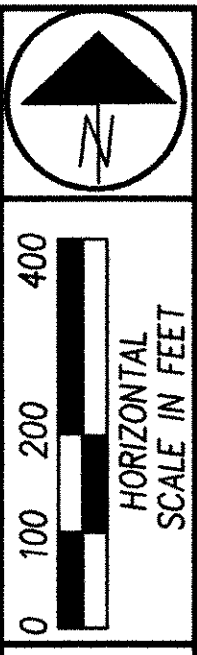
QUANTITIES CARRIED TO GENERAL SUMMARY



- MONUMENT LEGEND
- EXISTING MONUMENT FOUND
  - MONUMENT TO BE SET
  - ⊞ ADJUSTABLE CENTERLINE MONUMENT TO BE SET REFER TO SHEET 1 FOR MONUMENT DETAIL
  - ◇ CALCULATED CORNER

BASIS OF BEARINGS  
 THE BEARINGS SHOWN IN THIS PLAN WERE BASED ON THE OHIO STATE PLAIN COORDINATE SYSTEM, SOUTH ZONE NAD 84

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PID NO. 16299

CENTERLINE PLAT  
 STA. 1160+00 TO STA. 1215+00

MUS-16-7.16

2/51  
 654  
 703

REV.	DATE	DESCRIPTION

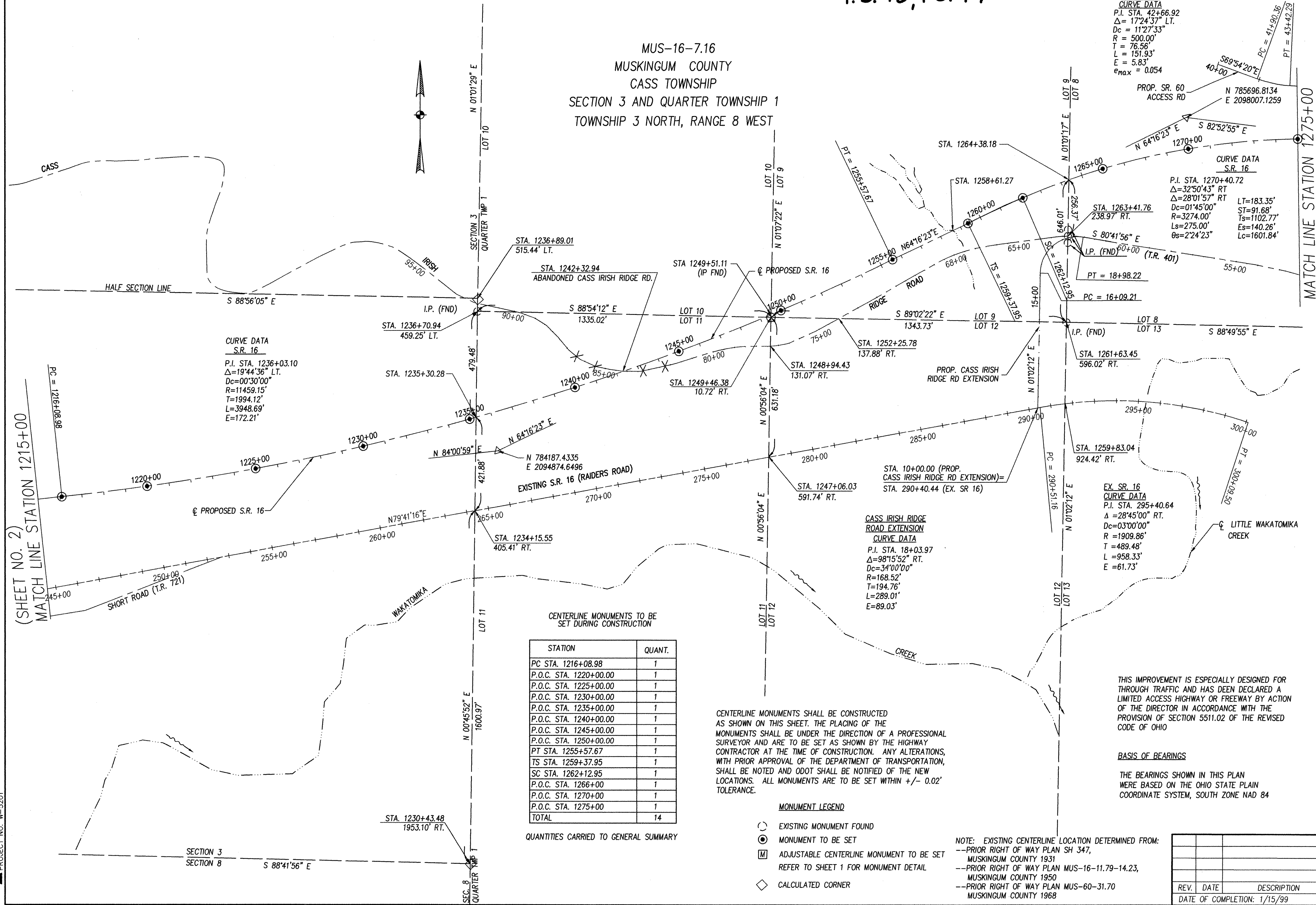
DATE OF COMPLETION: 1/15/99

MUS-16-7.16  
MUSKINGUM COUNTY  
CASS TOWNSHIP  
SECTION 3 AND QUARTER TOWNSHIP 1  
TOWNSHIP 3 NORTH, RANGE 8 WEST

PROP. SR. 60  
ACCESS RD  
CURVE DATA  
P.I. STA. 42+66.92  
 $\Delta = 172'43''$  LT.  
 $D_c = 11'27'33''$   
 $R = 500.00'$   
 $T = 76.56'$   
 $L = 151.93'$   
 $E = 5.83'$   
 $e_{max} = 0.054$

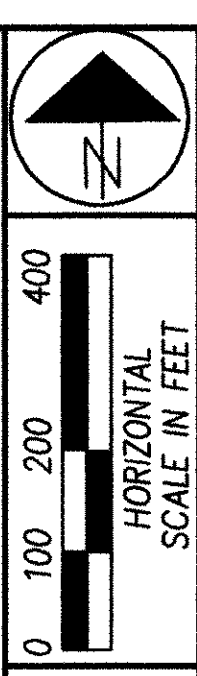
PROP. SR. 16  
CURVE DATA  
P.I. STA. 1270+40.72  
 $\Delta = 32'50'43''$  RT  
 $\Delta = 28'01'57''$  RT  
 $D_c = 01'45'00''$  RT  
 $R = 3274.00'$   
 $L_s = 275.00'$   
 $\theta_s = 2'24'23''$   
LT=183.35'  
ST=91.68'  
Ts=1102.77'  
Es=140.26'  
Lc=1601.84'

EX. SR. 16  
CURVE DATA  
P.I. STA. 295+40.64  
 $\Delta = 28'45'00''$  RT.  
 $D_c = 03'00'00''$   
 $R = 1909.86'$   
 $T = 489.48'$   
 $L = 958.33'$   
 $E = 61.73'$



(SHEET NO. 2)  
MATCH LINE STATION 1215+00

MATCH LINE STATION 1275+00  
(SHEET NO. 4)



PID NO.  
16299

CENTERLINE PLAT  
STA. 1215+00 TO STA. 1275+00

MUS-16-7.16

CURVE DATA  
S.R. 16  
P.I. STA. 1236+03.10  
 $\Delta = 19'44'36''$  LT.  
 $D_c = 00'30'00''$   
 $R = 11459.15'$   
 $T = 1994.12'$   
 $L = 3948.69'$   
 $E = 172.21'$

CENTERLINE MONUMENTS TO BE SET DURING CONSTRUCTION

STATION	QUANT.
PC STA. 1216+08.98	1
P.O.C. STA. 1220+00.00	1
P.O.C. STA. 1225+00.00	1
P.O.C. STA. 1230+00.00	1
P.O.C. STA. 1235+00.00	1
P.O.C. STA. 1240+00.00	1
P.O.C. STA. 1245+00.00	1
P.O.C. STA. 1250+00.00	1
PT STA. 1255+57.67	1
TS STA. 1259+37.95	1
SC STA. 1262+12.95	1
P.O.C. STA. 1266+00	1
P.O.C. STA. 1270+00	1
P.O.C. STA. 1275+00	1
TOTAL	14

QUANTITIES CARRIED TO GENERAL SUMMARY

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MONUMENT LEGEND

- EXISTING MONUMENT FOUND
- MONUMENT TO BE SET
- ⊠ ADJUSTABLE CENTERLINE MONUMENT TO BE SET REFER TO SHEET 1 FOR MONUMENT DETAIL
- ◇ CALCULATED CORNER

NOTE: EXISTING CENTERLINE LOCATION DETERMINED FROM:  
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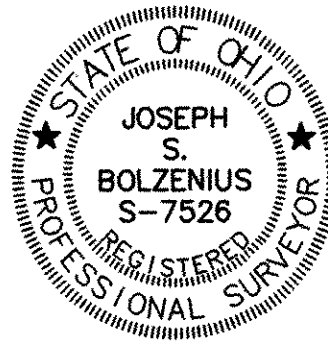
BASIS OF BEARINGS

THE BEARINGS SHOWN IN THIS PLAN WERE BASED ON THE OHIO STATE PLAIN COORDINATE SYSTEM, SOUTH ZONE NAD 84

REV.	DATE	DESCRIPTION

DATE OF COMPLETION: 1/15/99

3/51  
655  
703



**CURVE A1 DATA (RAMP A)**  
 P.I. STA. 91+17.40 @ RAMP A  
 $\Delta = 21^{\circ}08'54''$  LT.  
 $D_c = 4^{\circ}00'00''$   
 $R = 1432.39'$   
 $T = 267.40'$   
 $L = 528.71'$   
 $E = 24.75'$

**CURVE B1 DATA (RAMP B)**  
 P.I. STA. 5+74.32 @ RAMP B  
 $\Delta = 4^{\circ}38'29''$  RT.  
 $D_c = 1^{\circ}30'00''$   
 $R = 3819.72'$   
 $T = 154.80'$   
 $L = 309.43'$   
 $E = 3.14'$

**CURVE C1 DATA (RAMP C)**  
 P.I. STA. 302+01.23 @ RAMP C  
 $\Delta = 39^{\circ}30'36''$  LT.  
 $D_c = 14^{\circ}00'00''$   
 $R = 409.26'$   
 $T = 146.98'$   
 $L = 282.21'$   
 $E = 25.59'$

**CURVE D1 DATA (RAMP D)**  
 P.I. STA. 91+30.19 @ RAMP D  
 $\Delta = 18^{\circ}51'46''$  RT.  
 $D_c = 1^{\circ}30'00''$   
 $R = 3819.72'$   
 $T = 634.50'$   
 $L = 1257.51'$   
 $E = 52.34'$

**PROP. SR. 60 DATA LABELS**  
 ① PC = 590+87.07  
 ② PT = 602+92.71  
 ③ TS = 603+27.14  
 ④ SC = 607+27.14  
 ⑤ CS = 609+60.48  
 ⑥ ST = 613+60.48  
 ⑦ PC = 619+09.69  
 ⑧ PT = 621+04.78

**PROP. SR. 60 CURVE DATA**  
 P.I. STA. 608+46.20  
 $\Delta = 15^{\circ}50'01''$  LT.  
 $D_c = 05^{\circ}50'01''$  LT.  
 $D_c = 02^{\circ}30'00''$   
 $R = 2291.83'$   
 $L_s = 400.00'$   
 $\theta = 5^{\circ}00'00''$   
 $LT = 266.77'$   
 $ST = 772.29'$   
 $T_s = 519.06'$   
 $E_s = 24.99'$   
 $L_c = 233.34'$

MUS-16-7.16  
 MUSKINGUM COUNTY  
 CASS TOWNSHIP  
 QUARTER TOWNSHIP 1  
 TOWNSHIP 3 NORTH, RANGE 8 WEST

CENTERLINE MONUMENTS TO BE SET DURING CONSTRUCTION

P.B. 18, PG. 15

R1001724

STATION	QUANT.
P.O.C. STA. 1275+00.00	*
CS STA. 1278+14.79	1
ST STA. 1280+89.79	1
P.O.T. STA. 1285+00.00	1
P.O.T. STA. 1290+00.00	1
P.O.T. STA. 1295+00.00	1
P.O.T. STA. 1300+00.00	1
PC STA. 1302+71.60	1
P.O.C. STA. 1308+00.00	1
PT STA. 1312+69.68	1
P.O.T. STA. 1316+00.00	1
P.O.T. STA. 1320+00.00	1
P.O.T. STA. 1325+00.00	1
P.O.T. STA. 1330+00.00	1
TOTAL	13

\* QUANTITIES LISTED ON OTHER SHEETS

QUANTITIES CARRIED TO GENERAL SUMMARY

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**CURVE DATA S.R. 16**  
 P.I. STA. 1270+40.72  
 $\Delta = 32^{\circ}50'43''$  RT.  
 $D_c = 28^{\circ}01'57''$  RT.  
 $D_c = 01^{\circ}45'00''$   
 $R = 3274.00'$   
 $L_s = 275.00'$   
 $\theta_s = 02^{\circ}24'23''$   
 $LT = 183.35'$   
 $ST = 91.68'$   
 $T_s = 1102.77'$   
 $E_s = 140.26'$   
 $L_c = 1601.84'$

**PROP. SR. 60 ACCESS RD CURVE DATA**  
 P.I. STA. = 51+13.91  
 $\Delta = 06^{\circ}22'06''$  RT.  
 $D_c = 11^{\circ}27'33''$   
 $R = 500.00'$   
 $T = 27.82'$   
 $L = 55.57'$   
 $E = 0.77'$

**PROP. SR. 60 ACCESS RD CURVE DATA**  
 P.I. STA. = 59+77.95  
 $\Delta = 19^{\circ}21'22''$  LT.  
 $D_c = 11^{\circ}27'33''$   
 $R = 500.00'$   
 $T = 330.93'$   
 $L = 584.67'$   
 $E = 99.60'$

**PROP. SR. 60 ACCESS RD CURVE DATA**  
 P.I. STA. = 68+37.02  
 $\Delta = 66^{\circ}59'55''$  LT.  
 $D_c = 11^{\circ}27'33''$   
 $R = 500.00'$   
 $T = 85.27'$   
 $L = 168.91'$   
 $E = 7.22'$

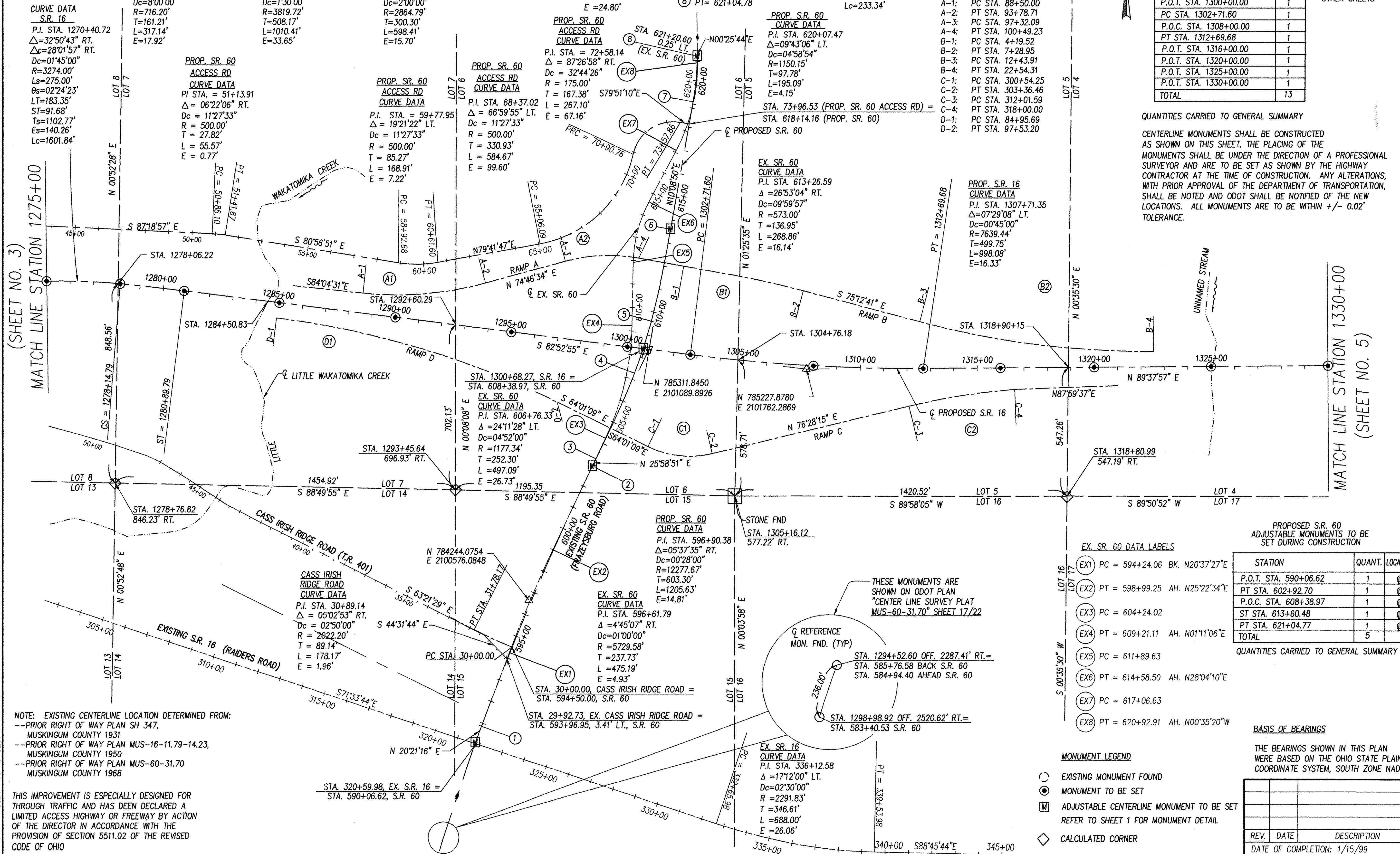
**PROP. SR. 60 ACCESS RD CURVE DATA**  
 P.I. STA. = 72+58.14  
 $\Delta = 87^{\circ}26'58''$  RT.  
 $D_c = 32^{\circ}44'26''$   
 $R = 175.00'$   
 $T = 167.38'$   
 $L = 267.10'$   
 $E = 67.16'$

**PROP. SR. 60 CURVE DATA**  
 P.I. STA. 620+07.47  
 $\Delta = 09^{\circ}43'06''$  LT.  
 $D_c = 04^{\circ}58'54''$   
 $R = 1150.15'$   
 $L_s = 195.09'$   
 $E = 4.15'$

STA. 73+96.53 (PROP. SR. 60 ACCESS RD) =  
 STA. 618+14.16 (PROP. SR. 60)

**EX. SR. 60 CURVE DATA**  
 P.I. STA. 613+26.59  
 $\Delta = 26^{\circ}53'04''$  RT.  
 $D_c = 09^{\circ}59'57''$   
 $R = 573.00'$   
 $T = 136.95'$   
 $L = 268.86'$   
 $E = 16.14'$

**PROP. SR. 16 CURVE DATA**  
 P.I. STA. 1307+71.35  
 $\Delta = 07^{\circ}29'08''$  LT.  
 $D_c = 00^{\circ}45'00''$   
 $R = 7639.44'$   
 $T = 499.75'$   
 $L = 998.08'$   
 $E = 16.33'$



PROPOSED S.R. 60 ADJUSTABLE MONUMENTS TO BE SET DURING CONSTRUCTION

STATION	QUANT.	LOCATION
P.O.T. STA. 590+06.62	1	Ⓞ
PT STA. 602+92.70	1	Ⓞ
P.O.C. STA. 608+38.97	1	Ⓞ
ST STA. 613+60.48	1	Ⓞ
PT STA. 621+04.77	1	Ⓞ
TOTAL	5	

QUANTITIES CARRIED TO GENERAL SUMMARY

- EX. SR. 60 DATA LABELS**
- Ⓞ EX1 PC = 594+24.06 BK. N20°37'27"E
  - Ⓞ EX2 PT = 598+99.25 AH. N25°22'34"E
  - Ⓞ EX3 PC = 604+24.02
  - Ⓞ EX4 PT = 609+21.11 AH. N01°11'06"E
  - Ⓞ EX5 PC = 611+89.63
  - Ⓞ EX6 PT = 614+58.50 AH. N28°04'10"E
  - Ⓞ EX7 PC = 617+06.63
  - Ⓞ EX8 PT = 620+92.91 AH. N00°35'20"W

- MONUMENT LEGEND**
- Ⓞ EXISTING MONUMENT FOUND
  - Ⓞ MONUMENT TO BE SET
  - Ⓞ ADJUSTABLE CENTERLINE MONUMENT TO BE SET REFER TO SHEET 1 FOR MONUMENT DETAIL
  - Ⓞ CALCULATED CORNER

**BASIS OF BEARINGS**  
 THE BEARINGS SHOWN IN THIS PLAN WERE BASED ON THE OHIO STATE PLAIN COORDINATE SYSTEM, SOUTH ZONE NAD 84

REV.	DATE	DESCRIPTION

DATE OF COMPLETION: 1/15/99

NOTE: EXISTING CENTERLINE LOCATION DETERMINED FROM:  
 --PRIOR RIGHT OF WAY PLAN SH 347, MUSKINGUM COUNTY 1931  
 --PRIOR RIGHT OF WAY PLAN MUS-16-11.79-14.23, MUSKINGUM COUNTY 1950  
 --PRIOR RIGHT OF WAY PLAN MUS-60-31.70 MUSKINGUM COUNTY 1968

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N

HORIZONTAL SCALE IN FEET

0 100 200 400

PID NO. 16299

CENTERLINE PLAT

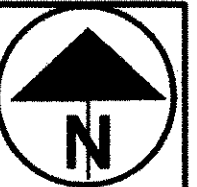
STA. 1275+00 TO STA. 1330+00

MUS-16-7.16

4/51

(656)

(703)



HORIZONTAL SCALE IN FEET  
0 100 200 400

PID NO.  
16299

CENTERLINE PLAT  
STA. 1330+00 TO STA. 1380+00

MUS-16-7.16

5/51  
657  
703

CENTERLINE MONUMENTS TO BE SET DURING CONSTRUCTION

STATION	QUANT.
P.O.T. STA. 1330+00.00	*
P.O.T. STA. 1335+00.00	1
TS STA. 1339+68.15	1
SC STA. 1343+18.15	1
POC STA. 1345+00.00	1
P.O.C. STA. 1348+00.00	1
CS STA. 1353+46.43	1
ST STA. 1356+96.43	1
TS STA. 1358+32.98	1
PC STA. 1361+82.98	1
P.O.C. STA. 1365+00.00	1
P.O.C. STA. 1370+00.00	1
CS STA. 1375+32.72	1
ST STA. 1378+82.72	1
TOTAL	13

\* QUANTITIES LISTED ON OTHER SHEETS

PROPOSED S.R. 16 ADJUSTABLE MONUMENTS TO BE SET DURING CONSTRUCTION

STATION	QUANT.
P.O.C. STA. 1372+44.72	1
TOTAL	1

QUANTITIES CARRIED TO GENERAL SUMMARY

QUANTITIES CARRIED TO GENERAL SUMMARY

CENTERLINE MONUMENTS SHALL BE CONSTRUCTED AS SHOWN ON THIS SHEET. THE PLACING OF THE MONUMENTS SHALL BE UNDER THE DIRECTION OF A PROFESSIONAL SURVEYOR AND ARE TO BE SET AS SHOWN BY THE HIGHWAY CONTRACTOR AT THE TIME OF CONSTRUCTION. ANY ALTERATIONS, WITH PRIOR APPROVAL OF THE DEPARTMENT OF TRANSPORTATION, SHALL BE NOTED AND ODOT SHALL BE NOTIFIED OF THE NEW LOCATIONS. ALL MONUMENTS ARE TO BE SET WITHIN +/- 0.02' TOLERANCE.

MUS-16-7.16  
MUSKINGUM COUNTY  
CASS TOWNSHIP  
QUARTER TOWNSHIP 1  
TOWNSHIP 3 NORTH, RANGE 8 WEST

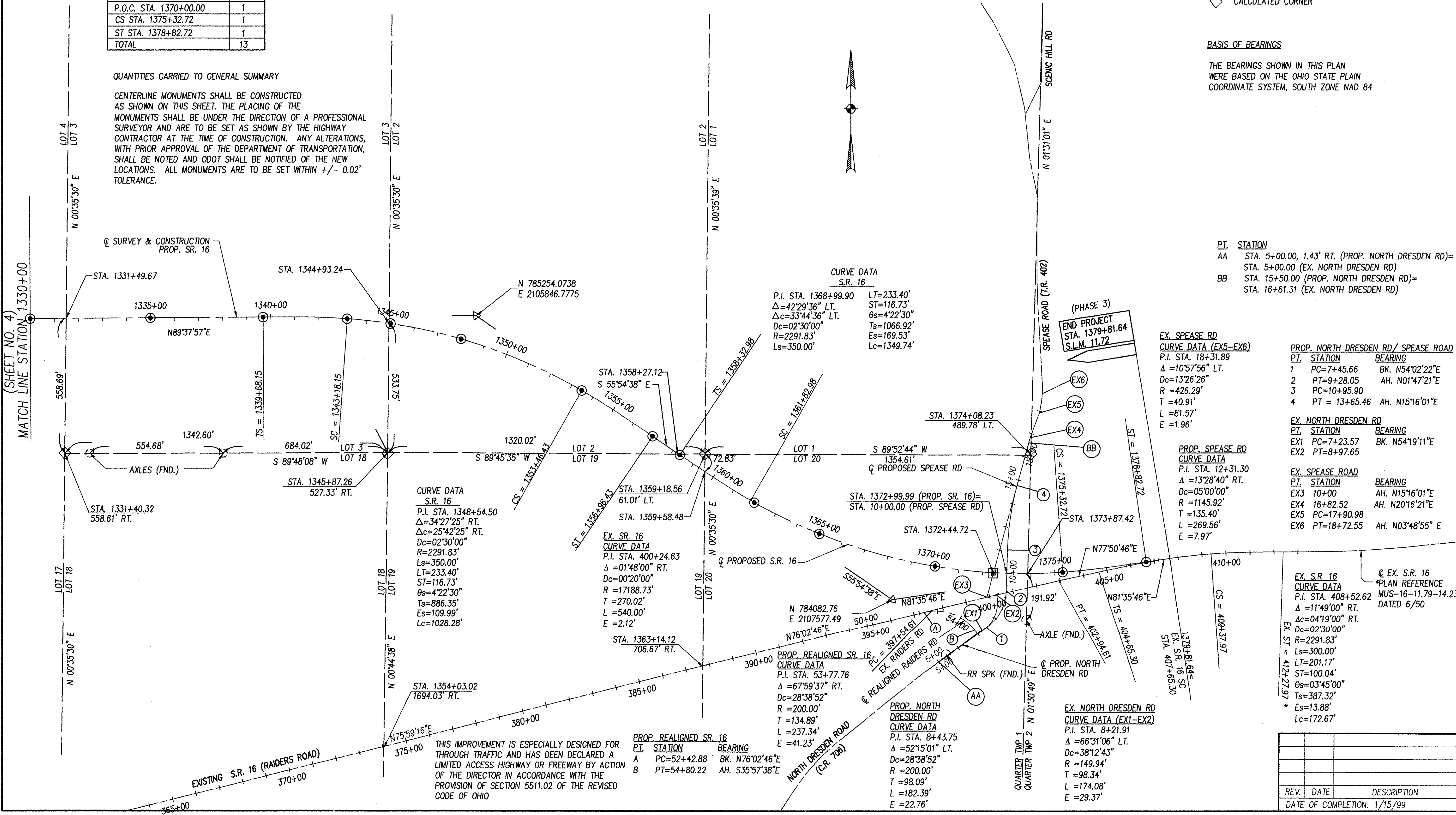
NOTE: EXISTING CENTERLINE LOCATION DETERMINED FROM:  
--PRIOR RIGHT OF WAY PLAN SH 347, MUSKINGUM COUNTY 1931  
--PRIOR RIGHT OF WAY PLAN MUS-16-11.79-14.23, MUSKINGUM COUNTY 1950  
--PRIOR RIGHT OF WAY PLAN MUS-60-31.70 MUSKINGUM COUNTY 1968

MONUMENT LEGEND

- EXISTING MONUMENT FOUND
- MONUMENT TO BE SET
- ⊠ ADJUSTABLE CENTERLINE MONUMENT TO BE SET REFER TO SHEET 1 FOR MONUMENT DETAIL
- ◇ CALCULATED CORNER

BASIS OF BEARINGS

THE BEARINGS SHOWN IN THIS PLAN WERE BASED ON THE OHIO STATE PLAIN COORDINATE SYSTEM, SOUTH ZONE NAD 84



CURVE DATA  
S.R. 16

P.I. STA. 1368+99.90	LT=233.40'
$\Delta=42^{\circ}29'36''$ LT.	ST=116.73'
$\Delta c=33^{\circ}44'36''$ LT.	$\theta_s=4^{\circ}22'30''$
$Dc=02^{\circ}30'00''$	$T_s=1066.92'$
$R=2291.83'$	$E_s=169.53'$
$L_s=350.00'$	$L_c=1349.74'$

CURVE DATA  
S.R. 16

P.I. STA. 1348+54.50	$\Delta=34^{\circ}27'25''$ RT.
$\Delta c=25^{\circ}42'25''$ RT.	$Dc=02^{\circ}30'00''$
$R=2291.83'$	$L_s=350.00'$
$LT=233.40'$	$ST=116.73'$
$\theta_s=4^{\circ}22'30''$	$T_s=886.35'$
$E_s=109.99'$	$L_c=1028.28'$

EX. S.R. 16  
CURVE DATA

P.I. STA. 400+24.63	$\Delta=01^{\circ}48'00''$ RT.
$Dc=00^{\circ}20'00''$	$R=17188.73'$
$T=270.02'$	$L=540.00'$
$E=2.12'$	

PROP. REALIGNED S.R. 16  
CURVE DATA

P.I. STA. 53+77.76	$\Delta=67^{\circ}59'37''$ RT.
$Dc=28^{\circ}38'52''$	$R=200.00'$
$T=134.89'$	$L=237.34'$
$E=41.23'$	

PROP. NORTH DRESDEN RD  
CURVE DATA

P.I. STA. 8+43.75	$\Delta=52^{\circ}15'01''$ LT.
$\Delta=66^{\circ}31'06''$ LT.	$Dc=38^{\circ}12'43''$
$R=149.94'$	$T=98.34'$
$L=174.08'$	$E=29.37'$

EX. NORTH DRESDEN RD  
CURVE DATA (EX1-EX2)

P.I. STA. 8+21.91	$\Delta=66^{\circ}31'06''$ LT.
$\Delta=38^{\circ}12'43''$	$R=149.94'$
$T=98.34'$	$L=174.08'$
$E=29.37'$	

EX. SPEASE RD  
CURVE DATA (EX5-EX6)

P.I. STA. 18+31.89	$\Delta=10^{\circ}57'56''$ LT.
$Dc=13^{\circ}26'26''$	$R=426.29'$
$T=40.91'$	$L=81.57'$
$E=1.96'$	

PROP. NORTH DRESDEN RD / SPEASE ROAD

PT. STATION	BEARING
1 PC=7+45.66	BK. N54°02'22"E
2 PT=9+28.05	AH. N01°47'21"E
3 PC=10+95.90	
4 PT=13+65.46	AH. N15°16'01"E

EX. NORTH DRESDEN RD

PT. STATION	BEARING
EX1 PC=7+23.57	BK. N54°19'11"E
EX2 PT=8+97.65	

EX. SPEASE ROAD

PT. STATION	BEARING
EX3 10+00	AH. N15°16'01"E
EX4 16+82.52	AH. N20°16'21"E
EX5 PC=17+90.98	
EX6 PT=18+72.55	AH. N03°48'55" E

EX. S.R. 16  
CURVE DATA

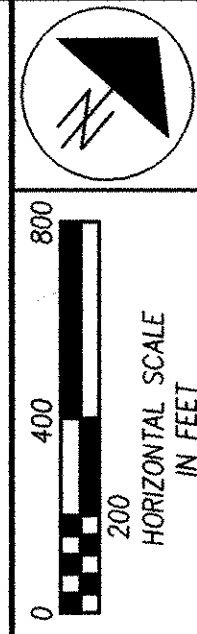
P.I. STA. 408+52.62	$\Delta=11^{\circ}49'00''$ RT.
$\Delta c=04^{\circ}19'00''$ RT.	$Dc=02^{\circ}30'00''$
$R=2291.83'$	$L_s=300.00'$
$LT=201.17'$	$ST=100.04'$
$\theta_s=03^{\circ}45'00''$	$T_s=387.32'$
$E_s=13.88'$	$L_c=172.67'$

EX. ST = 412+27.97 \*

PT. STATION	BEARING
AA STA. 5+00.00, 1.43' RT. (PROP. NORTH DRESDEN RD)=	
BB STA. 15+50.00 (PROP. NORTH DRESDEN RD)=	
STA. 16+61.31 (EX. NORTH DRESDEN RD)	

REV.	DATE	DESCRIPTION

DATE OF COMPLETION: 1/15/99



PID NO. 16299

PROPERTY MAP STA. 1139+00 TO STA. 1185+00

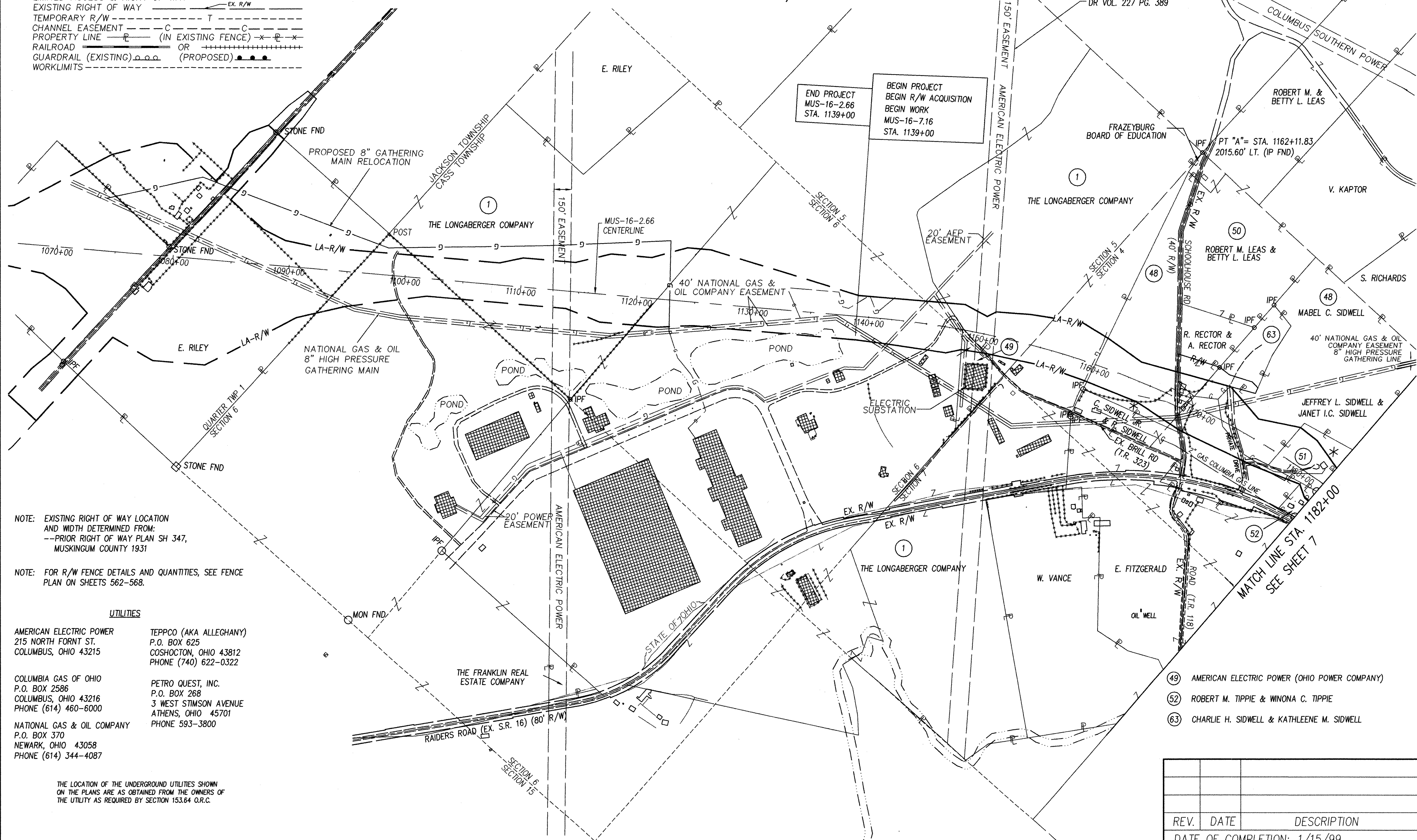
MUS-16-7.16

6/51  
658  
703

# MUS-16-7.16 MUSKINGUM COUNTY CASS TOWNSHIP SECTIONS 3 & 6 TOWNSHIP 3 NORTH, RANGE 8 WEST

- ### CONVENTIONAL SIGNS
- COUNTY LINE
  - TOWNSHIP LINE
  - SECTION LINE
  - CORPORATION LINE
  - FENCE LINE (EXISTING) OR (PROPOSED)
  - CENTER LINE
  - TREES (TO BE REMOVED)
  - UTILITY POLES: TELEPHONE, POWER, LIGHT
  - LIMITED ACCESS (ONLY)
  - RIGHT OF WAY (ONLY)
  - LIMITED ACCESS & RIGHT OF WAY
  - EXISTING RIGHT OF WAY
  - TEMPORARY R/W
  - CHANNEL EASEMENT
  - PROPERTY LINE (IN EXISTING FENCE)
  - RAILROAD
  - GUARDRAIL (EXISTING) OR (PROPOSED)
  - WORKLIMITS

- ### STRUCTURES KEY:
- RESIDENTIAL BUILDING
  - COMMERCIAL BUILDING
  - LANDLOCKED



NOTE: EXISTING RIGHT OF WAY LOCATION AND WIDTH DETERMINED FROM:  
 ---PRIOR RIGHT OF WAY PLAN SH 347, MUSKINGUM COUNTY 1931

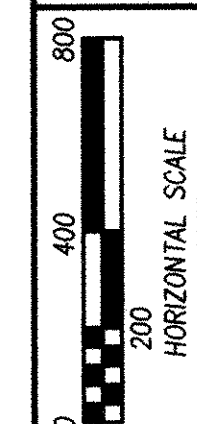
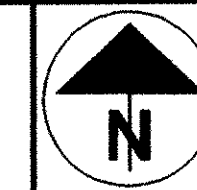
NOTE: FOR R/W FENCE DETAILS AND QUANTITIES, SEE FENCE PLAN ON SHEETS 562-568.

- ### UTILITIES
- AMERICAN ELECTRIC POWER  
215 NORTH FRONT ST.  
COLUMBUS, OHIO 43215
  - TEPCO (AKA ALLEGHANY)  
P.O. BOX 625  
COSHOCOTON, OHIO 43812  
PHONE (740) 622-0322
  - COLUMBIA GAS OF OHIO  
P.O. BOX 2586  
COLUMBUS, OHIO 43216  
PHONE (614) 460-6000
  - PETRO QUEST, INC.  
P.O. BOX 268  
3 WEST STIMSON AVENUE  
ATHENS, OHIO 45701  
PHONE 593-3800
  - NATIONAL GAS & OIL COMPANY  
P.O. BOX 370  
NEWARK, OHIO 43058  
PHONE (614) 344-4087

- (49) AMERICAN ELECTRIC POWER (OHIO POWER COMPANY)
- (52) ROBERT M. TIPPIC & WINONA C. TIPPIC
- (63) CHARLIE H. SIDWELL & KATHLEENE M. SIDWELL

REV.	DATE	DESCRIPTION
DATE OF COMPLETION: 1/15/99		

THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS OF THE UTILITY AS REQUIRED BY SECTION 153.64 O.R.C.



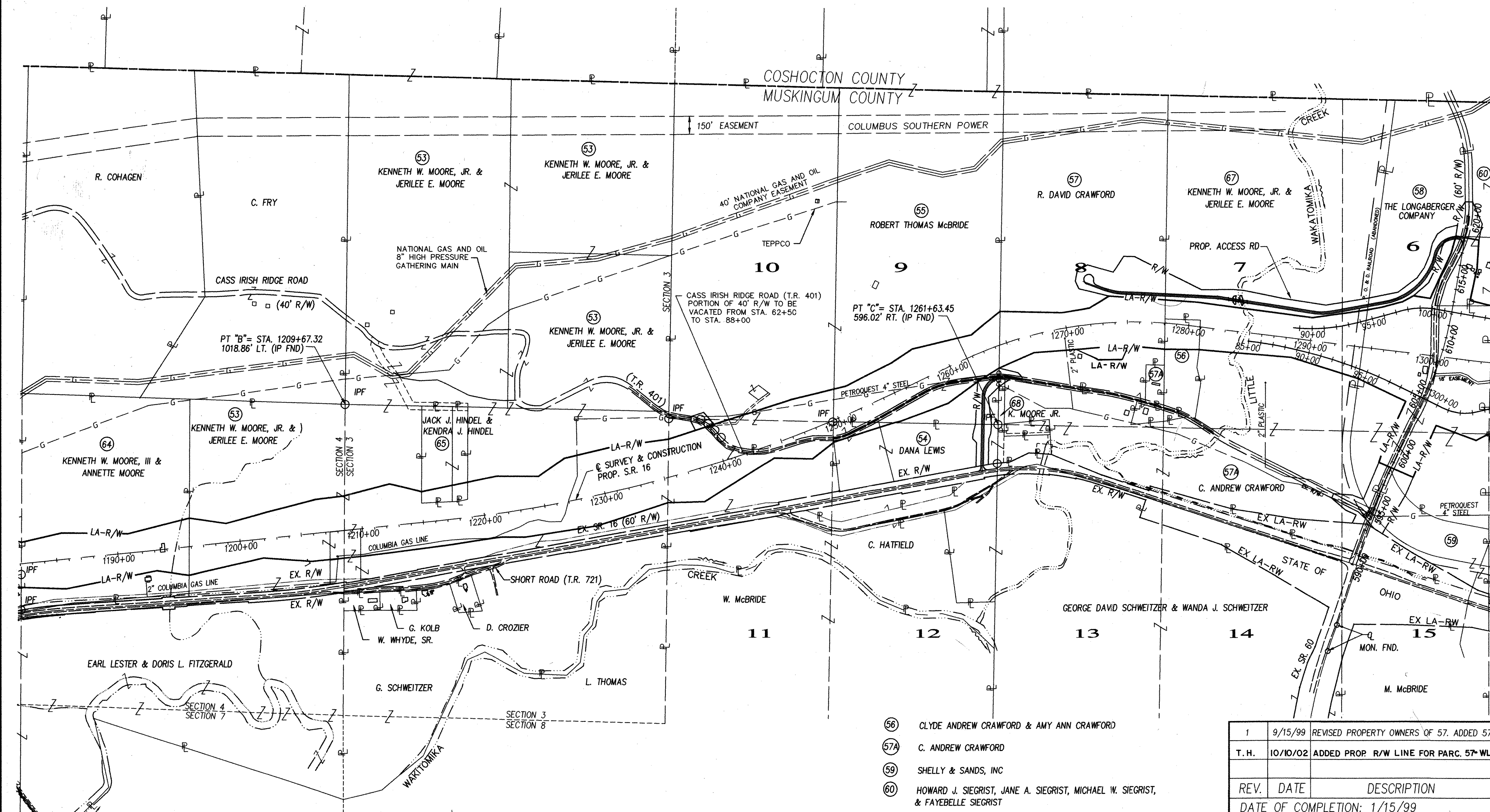
PID NO. 16299

PROPERTY MAP STA. 1185+00 TO STA. 1305+00

MUS-16-7.16

MUS-16-7.16  
MUSKINGUM COUNTY  
CASS TOWNSHIP  
SECTIONS 3 & 4  
QUARTER TOWNSHIP 1  
TOWNSHIP 3 NORTH, RANGE 8 WEST  
LOTS 6 - 10

\* LANDLOCKED



- (56) CLYDE ANDREW CRAWFORD & AMY ANN CRAWFORD
- (57A) C. ANDREW CRAWFORD
- (59) SHELLY & SANDS, INC
- (60) HOWARD J. SIEGRIST, JANE A. SIEGRIST, MICHAEL W. SIEGRIST, & FAYEBELLE SIEGRIST

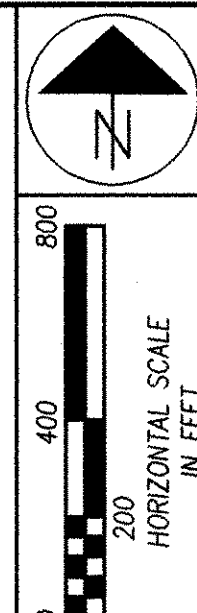
1	9/15/99	REVISED PROPERTY OWNERS OF 57. ADDED 57A.
T. H.	10/10/02	ADDED PROP. R/W LINE FOR PARC. 57-WLI
REV.	DATE	DESCRIPTION
DATE OF COMPLETION: 1/15/99		

7/51  
659  
703

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MUS-16-7.16  
MUSKINGUM COUNTY  
CASS TOWNSHIP  
QUARTER TOWNSHIPS 1 & 2  
TOWNSHIP 3 NORTH, RANGE 8 & 9 WEST  
LOTS 1-5 & 16-20

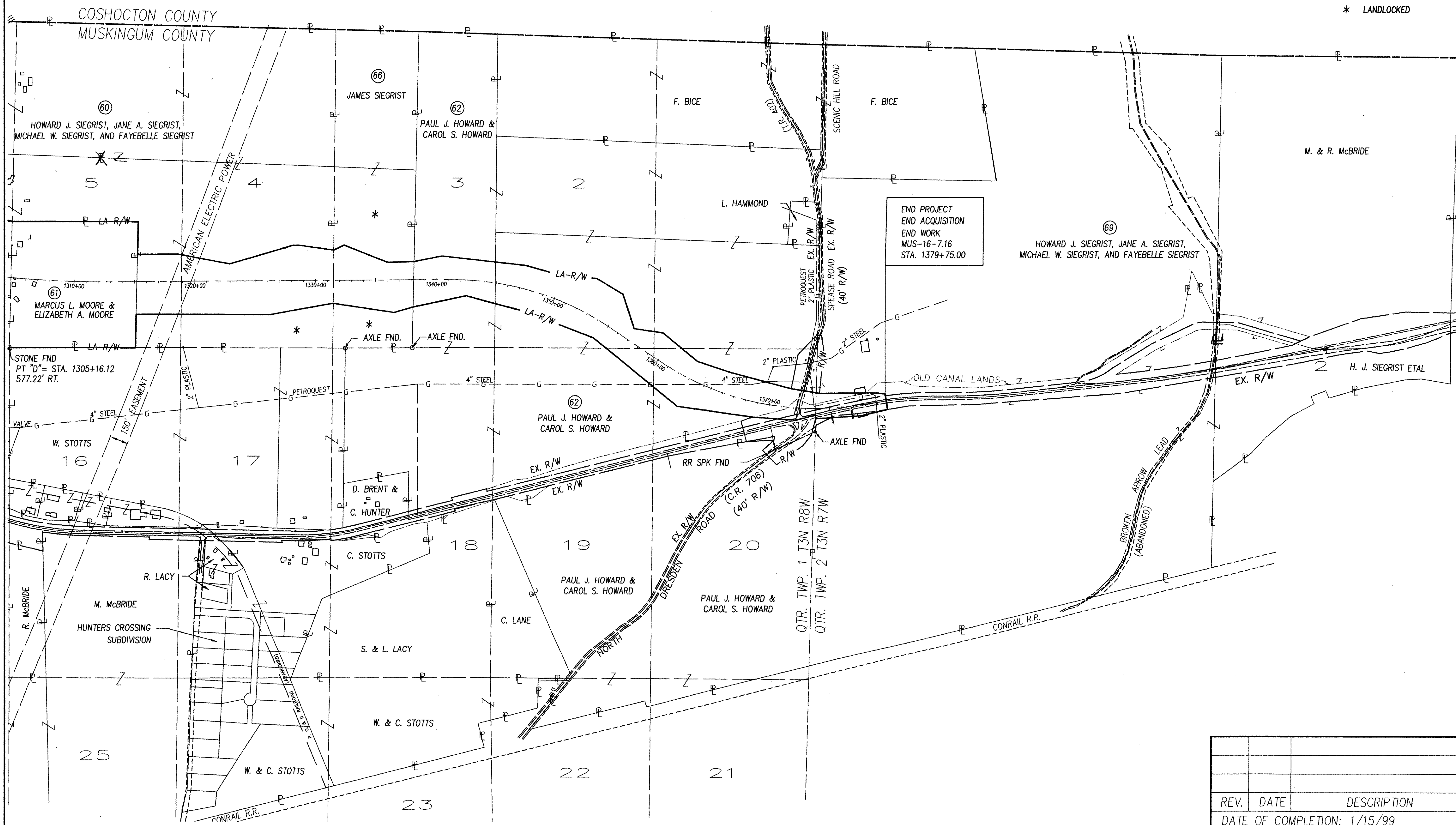


PROJ. NO. 16299

PROPERTY MAP  
STA. 1305+00 TO STA. 1380+00

MUS-16-7.16

8/51  
660  
703



REV.	DATE	DESCRIPTION
DATE OF COMPLETION: 1/15/99		

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TOTAL NUMBER OF:

OWNERSHIPS 18  
TOTAL TAKES 1

OWNERSHIPS WITH STRUCTURES INVOLVED 2  
OWNERSHIPS WITH "P" ITEMS 15

NET RESIDUE = RECORD AREA - TOTAL PRO - NET TAKE

ALL AREAS IN ACRES

GRANTEE:

ALL RIGHT OF WAY ACQUIRED IN THE NAME OF  
STATE OF OHIO UNLESS OTHERWISE SHOWN.

R1001729

PID NO.  
16299

PARCEL NO.	OWNER	SHEET NO.	OWNERS RECORD		AUDITOR'S PARCEL	RECORD AREA	TOTAL P.R.O.	GROSS TAKE	P.R.O. IN TAKE	NET TAKE	STRUCTURE	NET LEFT	RESIDUE RIGHT	TYPE FUND	REMARKS AND PERSONALTY	AS ACQUIRED	
			BOOK	PAGE												BOOK	PAGE
1WL	THE LONGABERGER COMPANY	16-18	1007	525	10-10-04-05-12-000	105.870	0.000	0.679	0.000	0.679	P			STATE	ASPHALT DRIVE TO BE REMOVED.	1983	848
			1007	525	10-10-04-06-01-000	256.120	2.228	7.386	0.000	7.386							
			1081	636	10-10-04-05-15-000	73.550	0.000	5.323	0.000	5.323							
			1081	636	10-10-04-04-16-000	18.410	0.000	5.569	0.000	5.569							
	GRAND TOTAL					453.950	2.228	18.957	0.000	18.957		331.343	101.422				
1X		16	1007	525	10-10-04-05-12-000			0.053		0.053						1983	874
1X-1		16						0.028		0.028						1983	876
2 TO 47	NOT USED																
48WL	MABEL C. SIDWELL	18-20	612	144	10-10-04-04-14-000	0.500	0.124	0.493	0.124	0.369	YES, P				GARAGE, 2 SHEDS, 1 STORY WOOD FRAME HOUSE, GRAVEL DRIVE,	1500	9
					10-10-04-04-15-000	18.480	1.005	6.528	0.181	6.347					WATER WELL, SEPTIC TANK, ANTENNA, 3 OIL WELLS, OIL STORAGE		
					10-10-04-04-18-000	0.520	0.061	0.110	0.049	0.061					TANKS, OIL METER & PUMP, AND FENCE TO BE REMOVED.		
					10-10-04-04-21-000	50.170	0.192	9.481	0.192	9.289					ODNR # 3941 OIL WELL OWNED BY KENOIL		
	GRAND TOTAL					69.670	1.382	16.612	0.546	16.066		43.770	8.452				
48X		19			10-10-04-04-21-000			0.078		0.078						1500	12
48T		19			10-10-04-04-21-000			0.090		0.090					POND AREA DECREASED		
48T-1		19			10-10-04-04-21-000			0.592		0.592					FOR DRIVE CONSTRUCTION		
48E		18-19			10-10-04-04-15-000			1.388		1.388					NOT ACQUIRED		
49WL	AMERICAN ELECTRIC POWER (OHIO POWER CO.)	17	1085	586	10-10-04-05-12-001	0.216 **	0.000	0.216	0.000	0.216					** RECORD AREA = 0.130 AC	1560	948
					10-10-04-06-01-001	3.480	0.000	0.230	0.000	0.230							
	GRAND TOTAL					3.696	0.000	0.446	0.000	0.446		0.000	3.250				
50WL	ROBERT M. LEAS AND BETTY L. LEAS	19	324	468	10-10-04-04-12-000	26.220	0.609	0.654	0.043	0.611	YES				BARN AND FENCE TO BE REMOVED	1508	180
50WV		19						1.052	0.077	0.975						1508	178
	GRAND TOTAL					26.220	0.609	1.706	0.120	1.586		24.025	0.000				
51WL	JEFFERY L. SIDWELL AND JANET I.C. SIDWELL	20	1034	603	10-10-04-04-21-002	5.000	0.000	3.803	0.000	3.803	YES, P	1.197	0.000		2 STORY LOG HOUSE, GRAVEL DRIVE, AND FENCE TO BE REMOVED	1161	537
51E		20						1.197	0.000	1.197	P				SWINGSET AND SHED TO BE REMOVED. NOT ACQUIRED		
52WL	ROBERT E. TIPPIE AND WINONA C. TIPPIE	20	503	689	10-10-04-04-22-000	1.000	0.000	0.240	0.000	0.240	P	0.000	0.760		GRAPE ARBOR TO BE REMOVED AND APPLE ORCHARD REDUCTION	1508	176
53WL	KENNETH MOORE, JR. AND JERILEE E. MOORE	22-28	1032	567	10-10-04-04-23-000	44.040	0.000	12.237	0.000	12.237	P					1509	528
					10-10-04-03-04-000	64.800	0.054	30.123	0.000	30.123							
					10-10-08-51-18-000	18.150	1.165	9.192	1.024	8.168							
	TOTAL 53WL					126.990	1.219	51.552	1.024	50.528							
53WV		27	1032	567	10-10-08-51-18-000			0.221	0.135	0.086						1508	946
	GRAND TOTAL					126.990	1.219	51.773	1.159	50.614		27.066	48.091				
54WL	DANA LEWIS	28	1073	287	10-10-08-51-19-001	5.010	0.305	0.890	0.305	0.585	P				TURF DRIVE AND FENCE TO BE REMOVED.	1161	736
			1073	290	10-10-08-51-19-002	8.290	0.000	0.057	0.000	0.057							
	TOTAL 54WL					13.300	0.305	0.947	0.305	0.642							
54WV		47			10-10-08-51-19-002	8.290	0.000	0.878	0.000	0.878						1161	734
	GRAND TOTAL					13.300	0.305	1.825	0.305	1.520		0.000	11.475				
														STATE			

SUMMARY OF ADDITIONAL  
RIGHT OF WAY PARCELS 1-54

MUS-16-7.16

NOTE: WV PARCELS ACQUIRED IN NAME OF MUSKINGUM COUNTY BOARD OF COMMISSIONERS.  
NOTE: ALL TEMPORARY PARCELS TO BE OF 18 MONTHS DURATION.  
NOTE: UNDER NO CIRCUMSTANCES ARE TEMPORARY EASEMENTS ACQUIRED FOR THE PURPOSE OF STRUCTURE REMOVAL TO BE USED FOR STORAGE OF MATERIAL OR EQUIPMENT BY THE CONTRACTOR. UPON COMPLETION OF THE WORK REQUIRED FOR SUCH REMOVAL AND SUBSEQUENT RECLAMATION, THE EASEMENT SHALL BE VACATED IMMEDIATELY.

\* DENOTES RIGHT OF WAY ENCROACHMENT

TMS	11/22/99	REV AREAS PAR. 53WL
REV.	DATE	DESCRIPTION
DATE OF COMPLETION: 1/15/99		

9/51  
661  
703

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RESOURCE INTERNATIONAL, INC  
PROJECT NO. W-5201

ALL AREAS IN ACRES

PARCEL NO.	OWNER	SHEET NO.	OWNERS RECORD		AUDITOR'S PARCEL	RECORD AREA	TOTAL P.R.O.	GROSS TAKE	P.R.O. IN TAKE	NET TAKE	STRUCTURE	NET LEFT	RESIDUE RIGHT	TYPE FUND	REMARKS AND PERSONALTY	AS ACQUIRED	
			BOOK	PAGE												BOOK	PAGE
55WL	ROBERT THOMAS MCBRIDE	27-30	780	88	10-10-08-51-15-000	80.000	1.008	13.790	0.878	12.912	P			STATE	TURF DRIVE AND FENCE TO BE REMOVED.	1539	585
					10-10-08-51-16-000	80.000	0.164	2.765	0.000	2.765							
					10-10-08-51-17-000	5.000	0.000	3.863	0.000	3.863							
	TOTAL 55WL					165.000	1.172	20.418	0.878	19.540							
55WV		29 & 47			10-10-08-51-15-000			1.231	0.128	1.103						"	"
55WV-1		27			10-10-08-51-17-000			0.159	0.000	0.159						"	"
	GRAND TOTAL					165.000	1.172	21.808	1.006	20.802		140.406	2.620			"	"
55X		29			10-10-08-51-15-000			0.067		0.067						"	"
56WL	CLYDE ANDREW CRAWFORD & AMY ANN CRAWFORD	31	1046	555	10-10-08-51-12-001	4.400	0.127	1.348	0.000	1.348			0.000	2.925		1536	198
57WL	R. DAVID CRAWFORD	29-31	819	169	10-10-08-51-14-000	73.120	0.555	11.159	0.000	11.159	P				OIL WELLS, 10' STEEL OIL TANK, 10' PLASTIC OIL TANK, AND OIL PUMP TO BE REMOVED.	1874	774
57-WLI		30 & 31	819	169	10-10-08-51-14-000			0.696	0.000	0.696						2010	263
57-WV		29 & 47	819	169	10-10-08-51-14-000			0.228	0.086	0.142						1874	774
57-WVI		48			10-10-08-51-14-000			4.146	0.000	4.146						"	"
	GRAND TOTAL					73.120	0.555	16.229	0.086	16.143		48.059	8.363			"	"
57X		30			10-10-08-51-14-000			0.159		0.159						"	"
57A-WD	C. ANDREW CRAWFORD	43	819	163	10-10-08-51-26-000	1.200	0.137	0.221	0.073	0.148						1536	202
57A-WV		47	819	164	10-10-08-51-21-000	15.550	0.904	0.027	0.017	0.010						1536	204
57A-WVI		43	819	163	10-10-08-51-26-000			0.168	0.071	0.097						1536	200
	TOTAL 57A-WVI		819	163	10-10-08-51-25-000	14.360	0.586	0.068	0.041	0.027							
	GRAND TOTAL					15.560	0.723	0.236	0.112	0.124							
	GRAND TOTAL					31.110	1.627	0.484	0.202	0.282		0.000	29.201				
58WL	THE LONGBERGER COMPANY	33-34, 44-46	1139	97	10-10-08-51-07-000	52.150	0.257	22.994	1.827	21.167	YES, P				2 STORY FRAME HOUSE, SHED, CARPORT, 50' ANTENNA, SEPTIC TANK, OIL WELL, GRAVEL DRIVE, AND FENCE TO BE REMOVED.	1983	866
					10-10-08-51-05-000	15.660	0.705	2.519	0.438	2.081							
	TOTAL 58WL					67.810	0.962	25.513	2.265	23.248					ODNR #499 S.E. LARGE (PLUGGED) OIL WELL		
58WD		46	970	178	10-10-08-51-07-000			0.565	0.236	0.329						1983	862
58WD-1		43-44			10-10-08-51-07-000			1.300	0.287	1.013					* FENCE	1983	864
58WV		51			10-10-08-51-07-000			1.985	0.000	1.985						1983	869
	GRAND TOTAL					67.810	0.962	29.363	2.788	26.575		25.373	14.900				
59WD	SHELLY AND SANDS, INC.	43-44	566	543	10-10-08-51-06-000	7.500	0.270	1.444	0.270	1.174						1516	171
					10-10-08-51-06-001	1.430	1.040	0.244	0.106	0.144							
	GRAND TOTAL					8.930	1.310	1.688	0.370	1.318		0.000	6.302				
60WL	HOWARD J. SIEGRIST, MICHAEL W. SIEGRIST, AND FAYEBELLE SIEGRIST	46	849	251	10-10-08-51-02-000	4.460	0.541	2.671	0.404	2.267	YES, P				2 STORY FRAME HOUSE, 2 SHEDS, WATER WELL, GREENHOUSE, SEPTIC TANK, AND LEACHFIELD TO BE REMOVED.	1691	121
60WL-1		35-37	851	345	10-10-08-41-12-000	48.600	0.000	13.857	0.000	13.857					* FENCE	"	"
			849	251	10-10-08-41-08-000	23.600	0.000	4.210	0.000	4.210							
	TOTAL 60WL-1					72.200	0.000	18.067	0.000	18.067							
60WD		46	849	251	10-10-08-51-01-000	5.600	0.859	0.584	0.307	0.277					* FENCE	"	"
			849	251	10-10-08-51-02-000	4.460	0.541	0.198	0.042	0.156							
	TOTAL 60WD					10.060	1.400	0.782	0.349	0.433							
	GRAND TOTAL					82.260	1.400	21.520	0.753	20.767		49.290	10.803				
60E		35-37, 45	849	251	10-10-08-41-12-000			8.446	0.000	8.446					TOTAL TAKE (** RECORD AREA = 24.930 AC) : 3 SHEDS, FENCE TO BE REMOVED.	NOT ACQUIRED	
					10-10-08-41-08-000			2.357	0.000	2.357							
61WL	MARCUS L. MOORE AND ELIZABETH A. MOORE	34-35, 45-46	852	177	10-10-08-41-09-000	24.925 **	0.000	24.925	0.000	24.925	YES, P				SEPTIC TANK, CISTERN, GARAGE, 2 ONE STORY HOUSES, AND	1160	846
														STATE			

NOTE: WV PARCELS ACQUIRED IN NAME OF MUSKINGUM COUNTY BOARD OF COMMISSIONERS.  
 NOTE: ALL TEMPORARY PARCELS TO BE OF 18 MONTHS DURATION.

NOTE: UNDER NO CIRCUMSTANCES ARE TEMPORARY EASEMENTS ACQUIRED FOR THE PURPOSE OF STRUCTURE REMOVAL TO BE USED FOR STORAGE OF MATERIAL OR EQUIPMENT BY THE CONTRACTOR. UPON COMPLETION OF THE WORK REQUIRED FOR SUCH REMOVAL AND SUBSEQUENT RECLAMATION, THE EASEMENT SHALL BE VACATED IMMEDIATELY.

\* DENOTES RIGHT OF WAY ENCROACHMENT

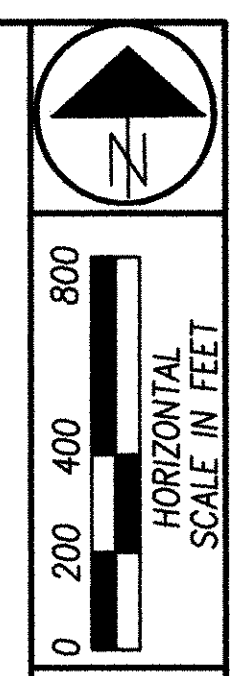
1	09/15/99	REVISED PROPERTY OWNERS OF 57. RENAMED PARCELS 57WD, 57WV-1 AND 57WV-2. ADDED OWNER 57A AND PARCEL 57A WV.
2	09/21/99	REV. THE GRAND TOTAL FOR PARCEL 57A (T.S.)
3	10/10/02	ADDED PARCEL 57-WLI AND REV. AREAS (T.H.)
REV.	DATE	DESCRIPTION
DATE OF COMPLETION: 1/15/99		







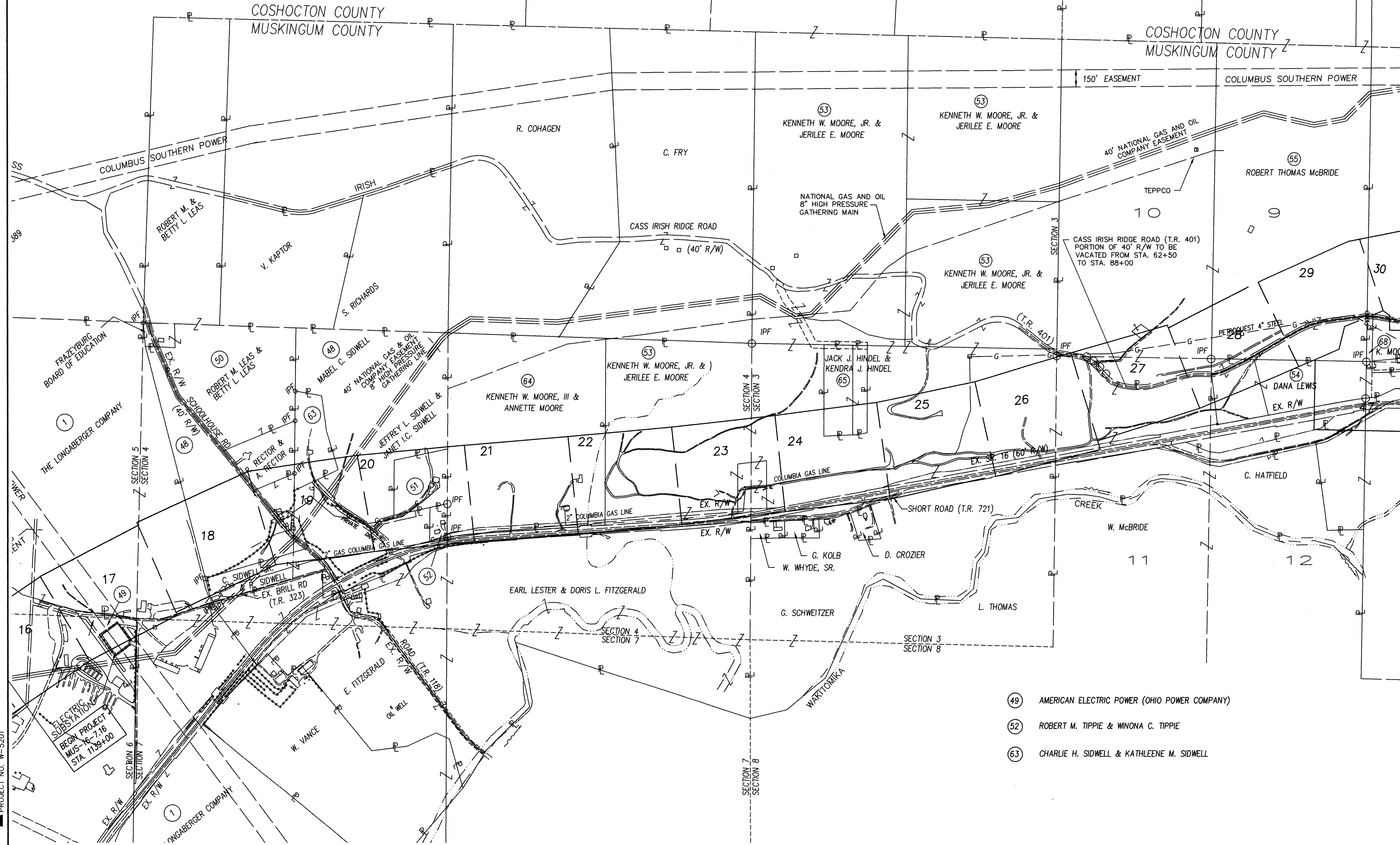
MUS-16-7.16  
MUSKINGUM COUNTY  
CASS TOWNSHIP  
SECTIONS 3, 4 & 5 & LOTS 9 & 10  
TOWNSHIP 3 NORTH, RANGE 8 WEST



PID NO. 16299

Schematic Plan  
STA. 1139+00 TO STA. 1270+00

MUS-16-7.16



- (49) AMERICAN ELECTRIC POWER (OHIO POWER COMPANY)
- (52) ROBERT M. TIPPIE & WINONA C. TIPPIE
- (63) CHARLIE H. SIDWELL & KATHLEENE M. SIDWELL

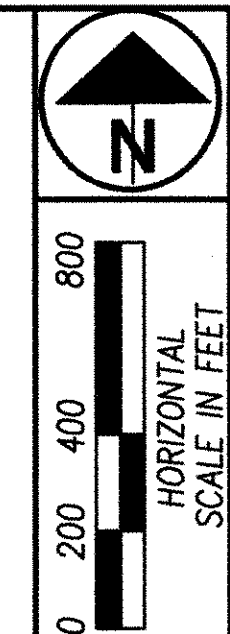
RESOURCE INTERNATIONAL, INC.  
PROJECT NO. W-5201

ELECTRIC SUBSTATION  
BEG. PROJECT  
MUS-16-7.16  
STA. 1139+00

6: \VMO\DEPT4\SR16\RM\SECT3\3rwsch1.dwg Fr1 Jun 18 09:51:13 1999

MUS-16-7.16  
MUSKINGUM COUNTY  
CASS TOWNSHIP  
QUARTER TOWNSHIP 1  
TOWNSHIP 3 NORTH, RANGE 8 WEST  
LOTS 1-8 & 13-20

- 56 CLYDE ANDREW CRAWFORD & AMY ANN CRAWFORD
- 57A C. ANDREW CRAWFORD
- 59 SHELLY & SANDS, INC.

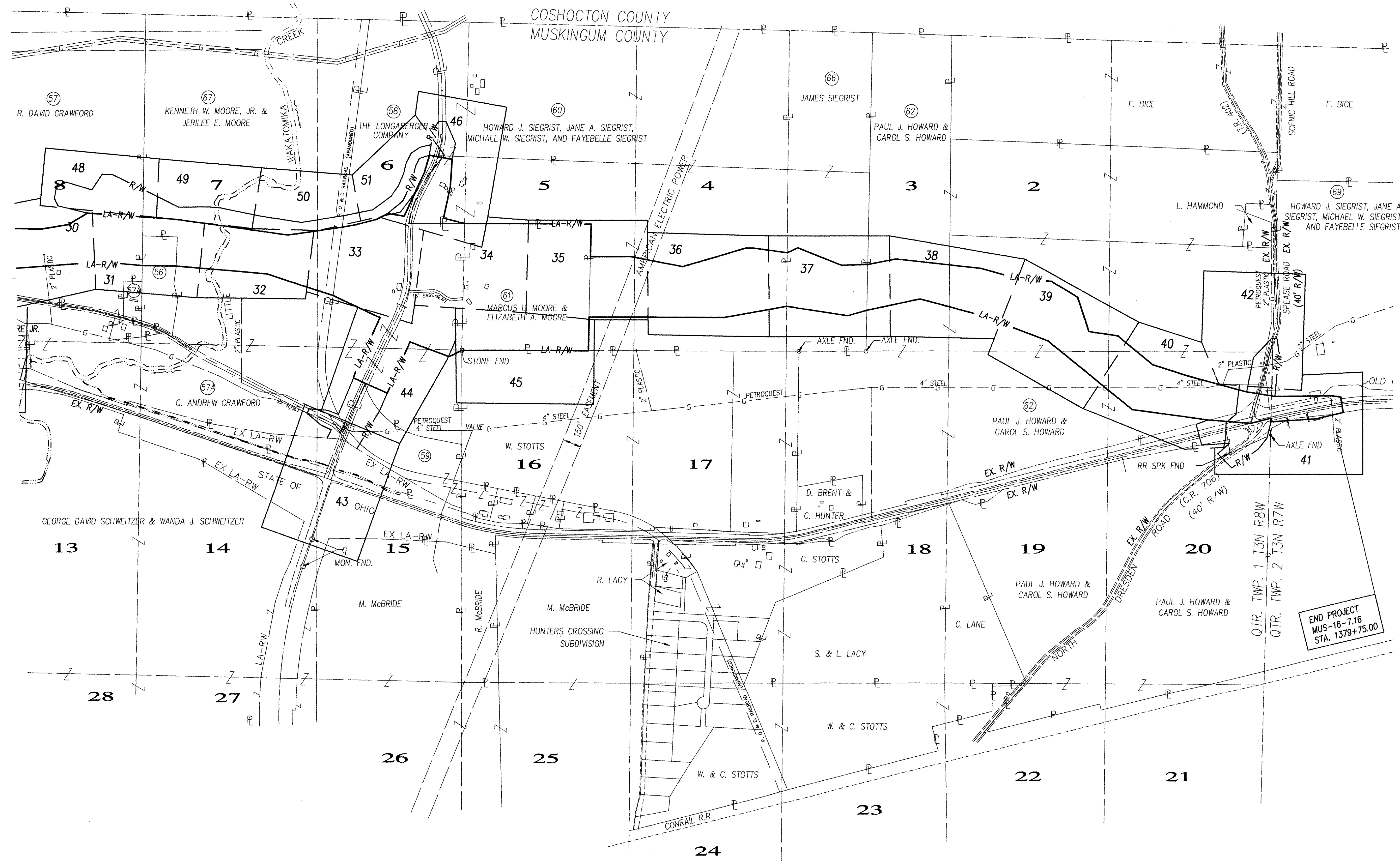


PID NO.  
16299

SCHEMATIC PLAN  
STA. 1270+00 TO STA. 1380+00

MUS-16-7.16

15/51  
667  
703



END PROJECT  
MUS-16-7.16  
STA. 1379+75.00

M:\JENNIFER\work\sect3\proj\map\_3\misch2.dwg Thu Sep 16 08:14:47 1999

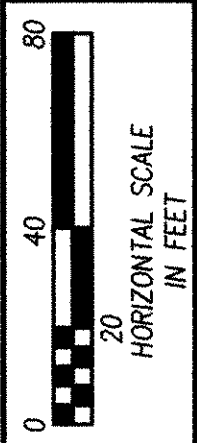
RESOURCE INTERNATIONAL INC  
PROJECT NO. W-5201



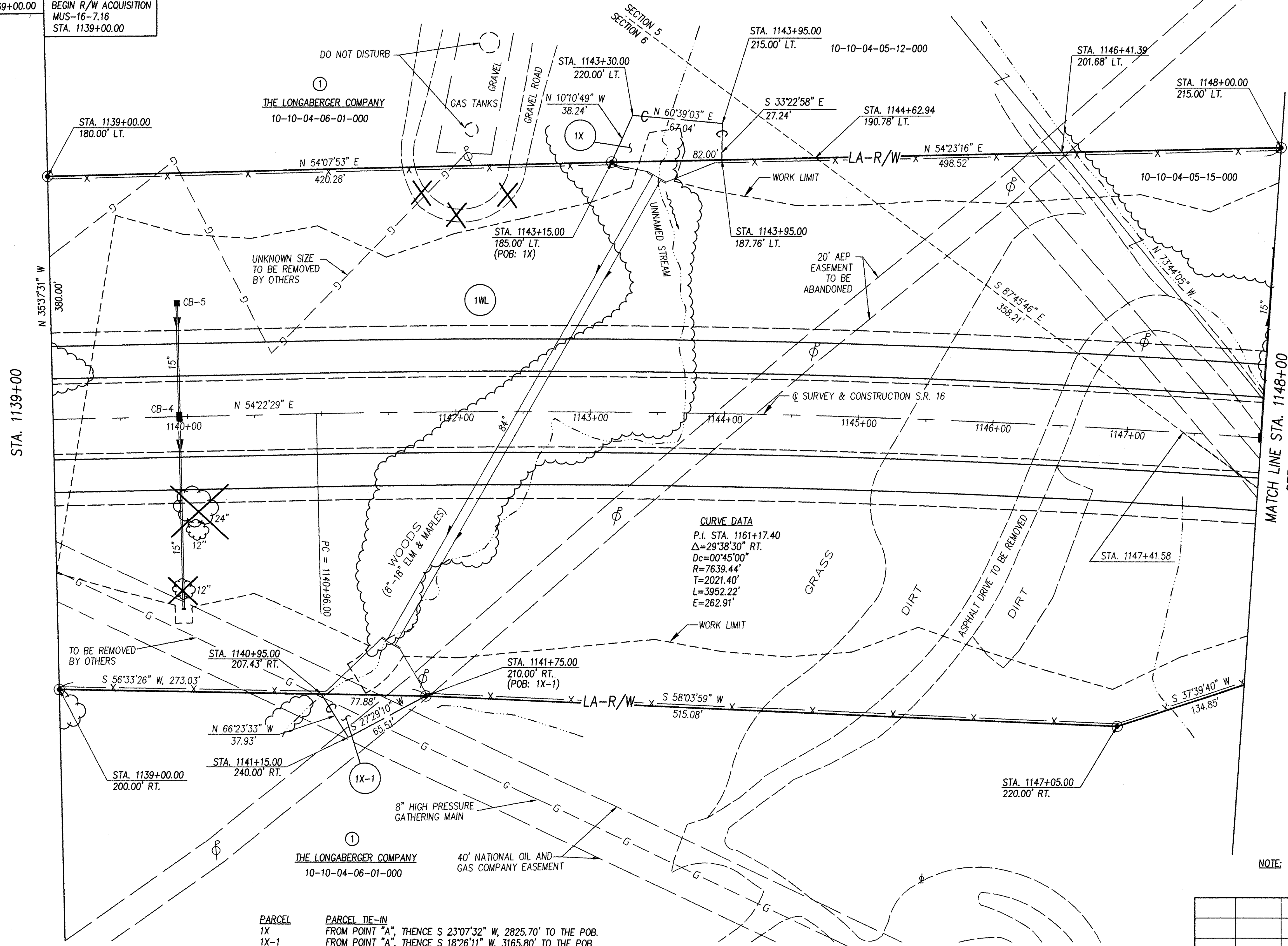
MUSKINGUM COUNTY  
CASS TOWNSHIP  
SECTION 6  
TOWNSHIP 3 NORTH, RANGE 8 WEST

MUSKINGUM COUNTY  
CASS TOWNSHIP  
SECTION 5  
TOWNSHIP 3 NORTH, RANGE 8 WEST

R1001736



END PROJECT MUS-16-2.66 STA. 1139+00.00	BEGIN PROJECT BEGIN WORK BEGIN R/W ACQUISITION MUS-16-7.16 STA. 1139+00.00
---	--



**CURVE DATA**  
P.I. STA. 1161+17.40  
 $\Delta=29^{\circ}38'30''$  RT.  
 $D_c=00^{\circ}45'00''$   
 $R=7639.44'$   
 $T=2021.40'$   
 $L=3952.22'$   
 $E=262.91'$

- IP FOUND
- IP SET (3/4" IRON PIN, 30" LONG WITH PLASTIC ID CAP STAMPED "ODOT D-5")
- × PK NAIL SET

NOTE: ALL TREES TO BE REMOVED WITHIN THE CONSTRUCTION LIMITS.

**PARCEL**  
1X  
1X-1

**PARCEL TIE-IN**  
FROM POINT "A", THENCE S 23°07'32" W, 2825.70' TO THE POB.  
FROM POINT "A", THENCE S 18°26'11" W, 3165.80' TO THE POB.

**POINT "A"**  
INTERSECTION OF THE HALF SECTION LINES OF SECTIONS 4 AND 5 (IP FOUND AND USED)  
STA. 1162+11.83, 2015.60' LT.

MATCH LINE STA. 1148+00  
SEE SHEET NO. 17

PID NO.  
16299

RIGHT OF WAY PLAN  
STA. 1139+00 TO 1148+00

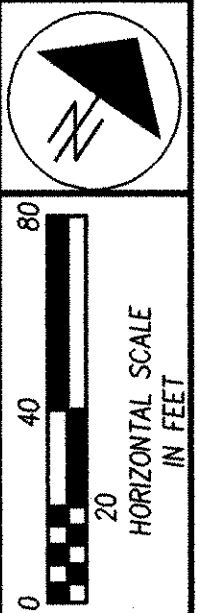
MUS-16-7.16

REV.	DATE	DESCRIPTION
DATE OF COMPLETION: 1/15/99		

16/51  
668  
703

MUSKINGUM COUNTY  
CASS TOWNSHIP  
SECTION 5  
TOWNSHIP 3 NORTH, RANGE 8 WEST

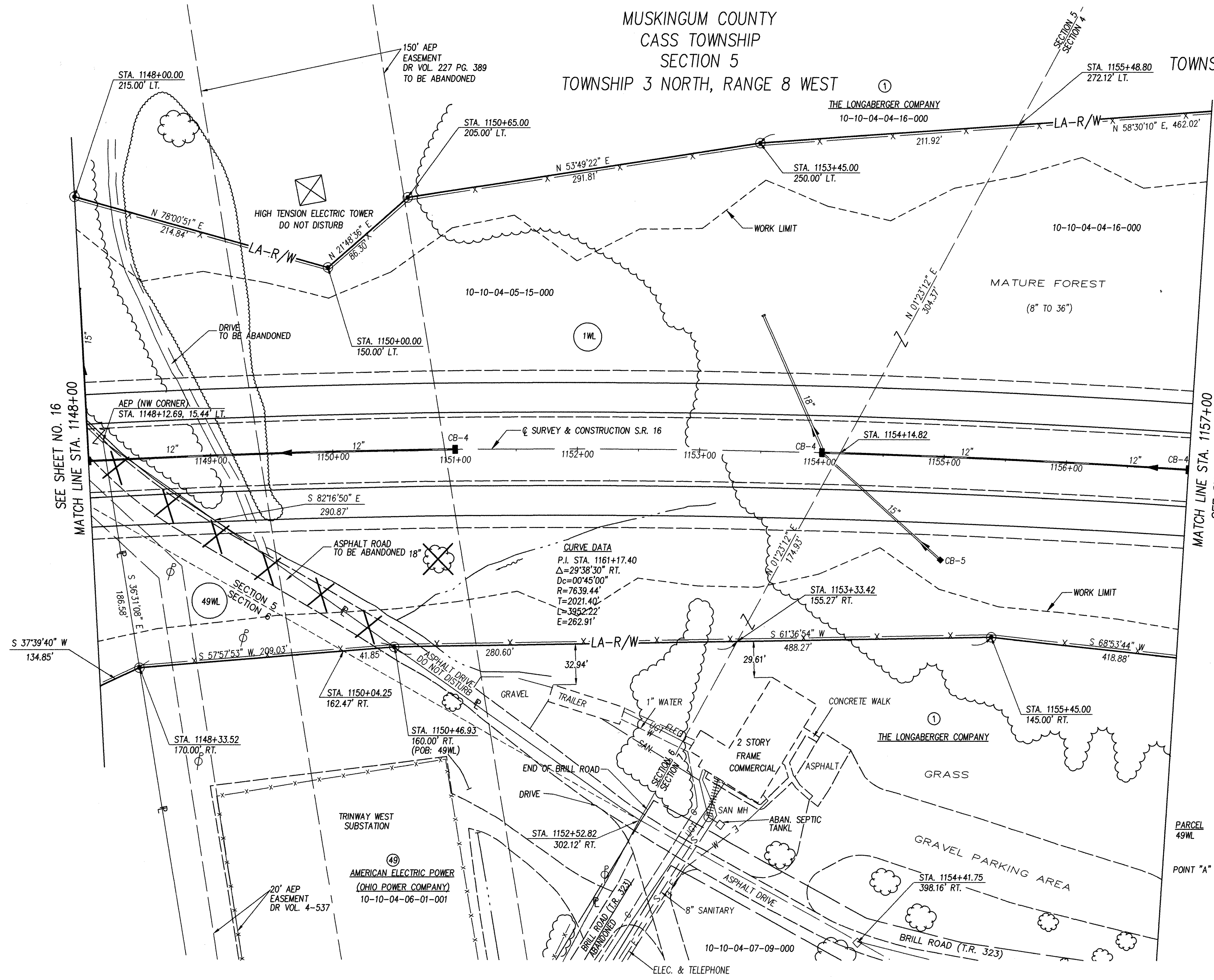
MUSKINGUM COUNTY  
CASS TOWNSHIP  
SECTION 4  
TOWNSHIP 3 NORTH, RANGE 8 WEST



PID NO.  
16299

RIGHT OF WAY PLAN  
STA. 1148+00 TO STA. 1157+00

MUS-16-7.16



- IP FOUND
- IP SET (3/4" IRON PIN, 30" LONG WITH PLASTIC ID CAP STAMPED "ODOT D-5")
- × PK NAIL SET

NOTE: ALL TREES TO BE REMOVED WITHIN THE CONSTRUCTION LIMITS.

PARCEL 49WL  
POINT "A" INTERSECTION OF THE HALF SECTION LINES OF SECTIONS 4 AND 5 (IP FOUND AND USED)  
FROM POINT "A", THENCE S 06°54'27" W, 2531.62' TO THE POB.  
STA. 1162+11.83, 2015.60' LT.

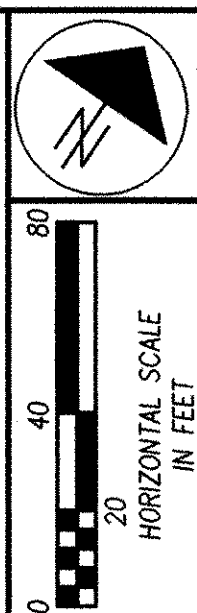
REV.	DATE	DESCRIPTION
DATE OF COMPLETION: 1/15/99		

17/51  
669  
703

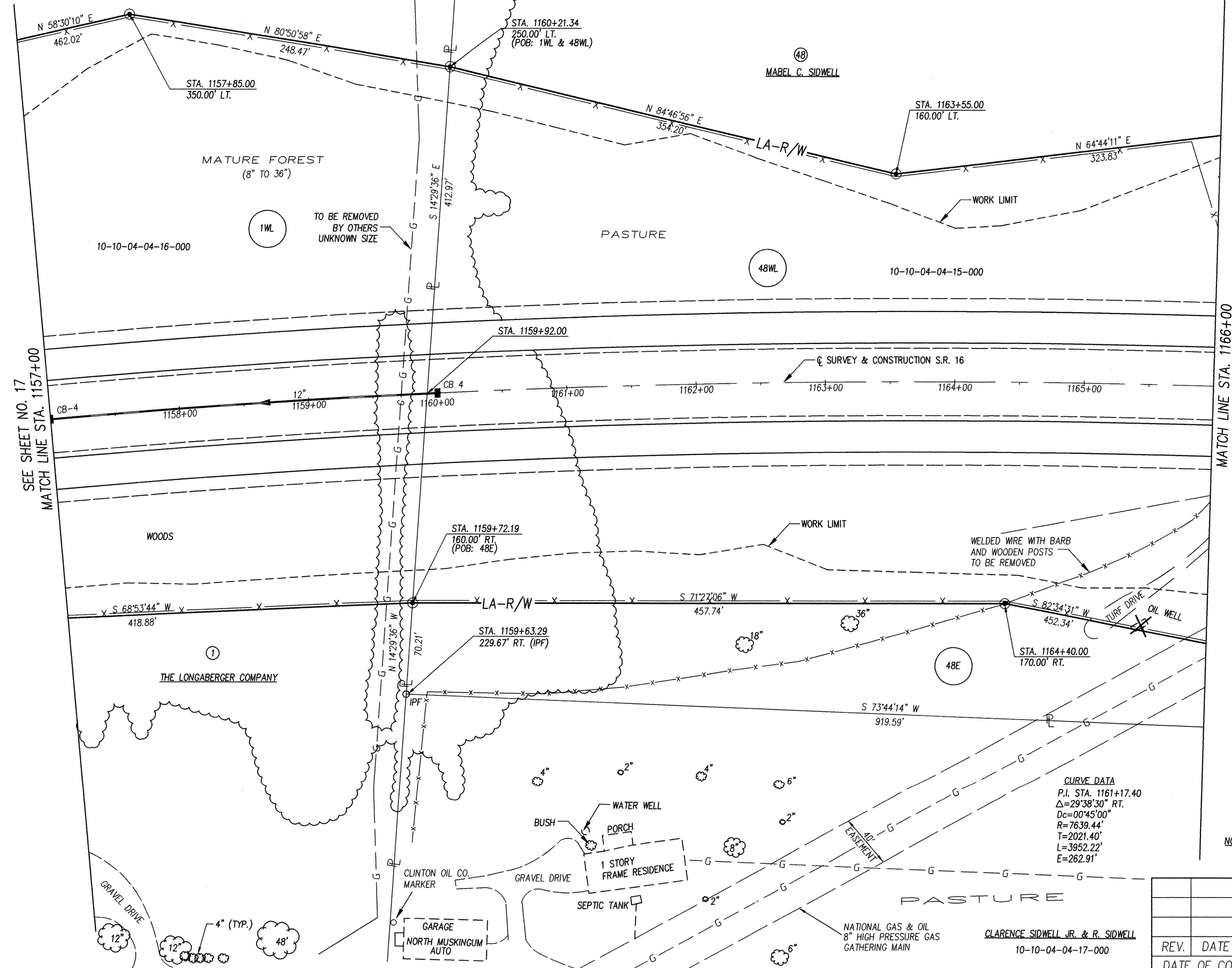
RESOURCE INTERNATIONAL INC.  
PROJECT NO. W-5201  
6: L:\DWG\DEPT\ASPH\16\16\SECTION 5\DWG\LAN\3\m\17.dwg FRI Jun 18 08:41:02 1999

MUSKINGUM COUNTY  
CASS TOWNSHIP  
SECTION 4  
TOWNSHIP 3 NORTH, RANGE 8 WEST

R1001738



PARCEL 1WL 48WL 48E  
 PARCEL TIE-IN  
 FROM POINT "A", THENCE S 13°24'30" E, 1778.96' TO THE POB.  
 FROM POINT "A", THENCE S 13°24'30" E, 1778.96' TO THE POB.  
 FROM POINT "A", THENCE S 13°36'46" E, 2191.87' TO THE POB.  
 POINT "A" INTERSECTION OF THE HALF SECTION LINES OF SECTIONS 4 AND 5 (IP FOUND AND USED)  
 STA. 1162+11.83, 2015.60' LT.



SEE SHEET NO. 17  
MATCH LINE STA. 1157+00

MATCH LINE STA. 1166+00  
SEE SHEET NO. 19

PID NO. 16299

RIGHT OF WAY PLAN  
STA. 1157+00 TO STA. 1166+00

MUS-16-7.16

- IP FOUND
  - IP SET (3/4" IRON PIN, 30" LONG WITH PLASTIC ID CAP STAMPED "ODOT D-5")
  - × PK NAIL SET
- NOTE: ALL TREES TO BE REMOVED WITHIN THE CONSTRUCTION LIMITS.

CURVE DATA  
 P.I. STA. 1161+17.40  
 Δ=29°38'30" RT.  
 Dc=00°45'00"  
 R=7639.44'  
 T=2021.40'  
 L=3952.22'  
 E=262.91'

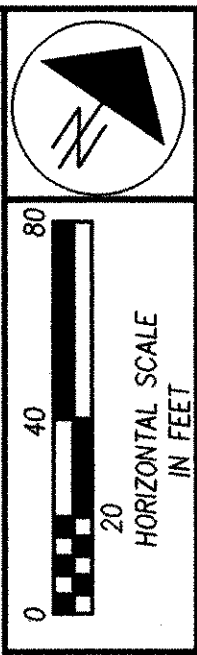
CLARENCE SIDWELL JR. & R. SIDWELL  
 10-10-04-04-17-000

REV.	DATE	DESCRIPTION
DATE OF COMPLETION: 1/15/99		

18/51  
 670  
 703

RESOURCE INTERNATIONAL INC  
 PROJECT NO. W-5201  
 6. D:\MG\DEPT4\SR16\SR16\SECT3\SR16PLAN\SR16.dwg Mon Jun 14 12:00:31 1999

MUSKINGUM COUNTY  
CASS TOWNSHIP  
SECTION 4  
TOWNSHIP 3 NORTH, RANGE 8 WEST



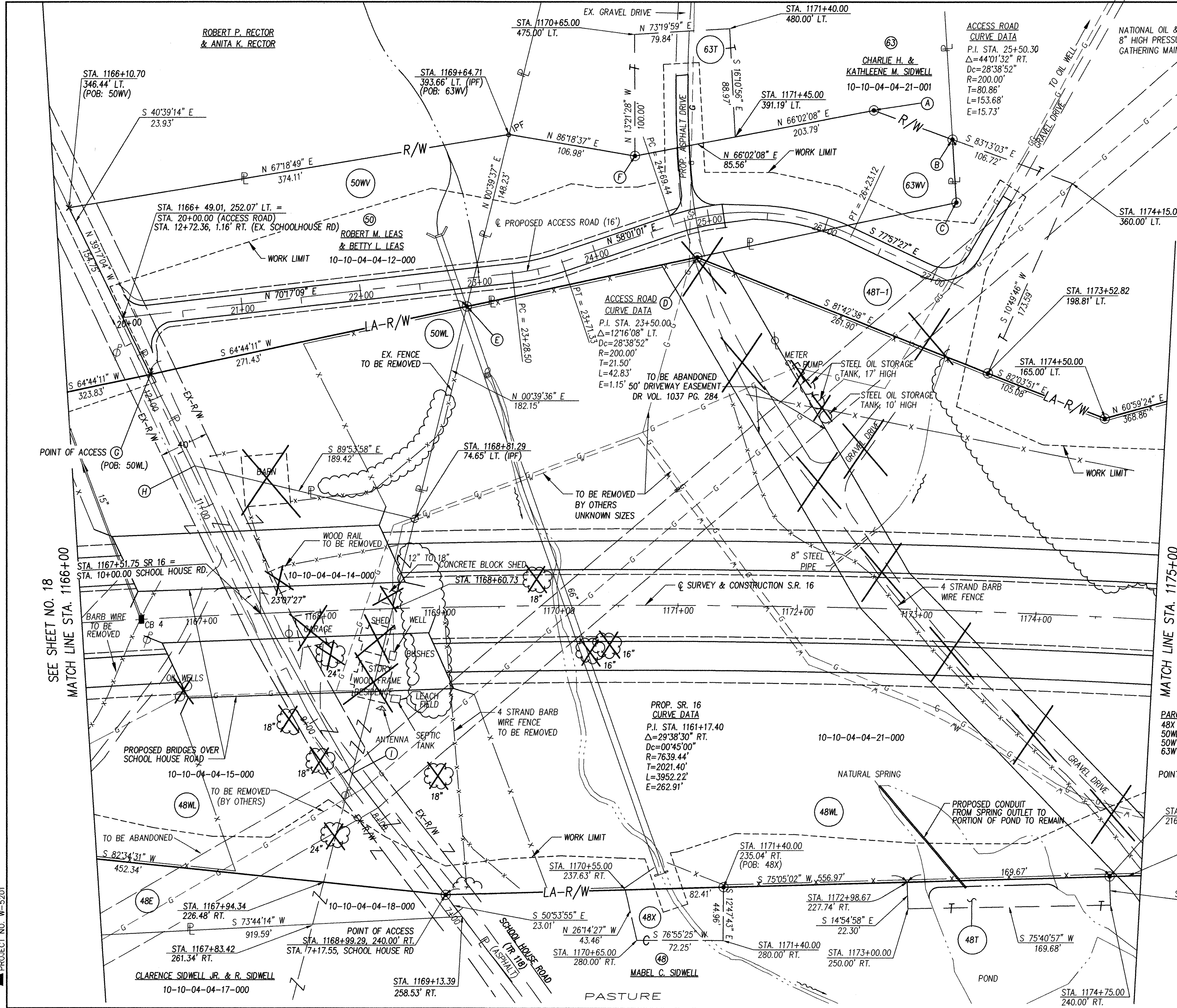
PID NO. 16299

RIGHT OF WAY PLAN  
STA. 1166+00 TO STA. 1175+00

MUS-16-7.16

19/51

671  
703



POINT DESCRIPTIONS

- (A) STA. 1172+55.00, 415.00' LT.
- (B) STA. 1173+18.20, 392.76' LT.
- (C) STA. 1173+22.86, 340.25' LT.
- (D) STA. 1171+14.92, 290.03' LT.
- (E) STA. 1169+28.12, 250.41' LT.
- (F) STA. 1170+65.00, 375.00' LT.
- (G) STA. 1166+68.43, 203.71' LT. =  
STA. 12+20.09 SCHOOL HOUSE ROAD
- (H) STA. 1167+01.13, 125.32' LT.
- (I) STA. 1168+22.06, 136.38' RT.

COURSES

- AB S 83°13'03" E, 70.16'
- BC S 16°45'20" E, 52.74'
- CD S 64°44'21" W, 222.26'
- DE S 64°44'21" W, 197.42'
- GH S 39°17'04" E, 85.21'

NOTE: ALL TREES TO BE REMOVED WITHIN THE CONSTRUCTION LIMITS.

PARCEL TIE-IN  
 48X FROM POINT "A", THENCE S 41°01'37" E, 2473.74' TO THE POB.  
 50WL FROM POINT "A", THENCE S 34°08'51" E, 1885.04' TO THE POB.  
 50WV FROM POINT "A", THENCE S 33°41'20" E, 1730.97' TO THE POB.  
 63WV FROM POINT "A", THENCE S 45°12'19" E, 1839.40' TO THE POB.

POINT "A" INTERSECTION OF THE HALF SECTION LINES OF SECTIONS 4 AND 5 (IP FOUND AND USED)  
 STA. 1162+11.83, 2015.60' LT.

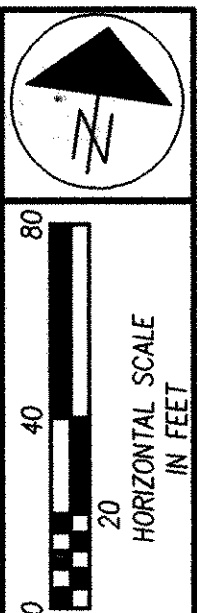
- IP FOUND
- IP SET (3/4" IRON PIN, 30" LONG WITH PLASTIC ID CAP STAMPED "ODOT D-5")
- × PK NAIL SET

REV.	DATE	DESCRIPTION
DATE OF COMPLETION: 1/15/99		

RESOURCE INTERNATIONAL INC.  
PROJECT NO. W-5201

G:\DMS\DEPT\ASR\15\SRV\SECT3\SRVPLAN\SRV19.dwg Mon Jun 14 12:01:17 1999

MUSKINGUM COUNTY  
CASS TOWNSHIP  
SECTION 4  
TOWNSHIP 3 NORTH, RANGE 8 WEST



PARCEL 51WL FROM POINT "A", THENCE S 60°21'52" E, 2494.23' TO THE POB.  
51E FROM POINT "A", THENCE S 60°21'52" E, 2494.23' TO THE POB.  
52WL FROM POINT "A", THENCE S 57°18'08" E, 2944.15' TO THE POB.

POINT "A" INTERSECTION OF THE HALF SECTION LINES OF SECTIONS 4 AND 5 (IP FOUND AND USED)  
STA. 1162+11.83, 2015.60' LT.

48 MABEL C. SIDWELL  
10-10-04-04-21-000

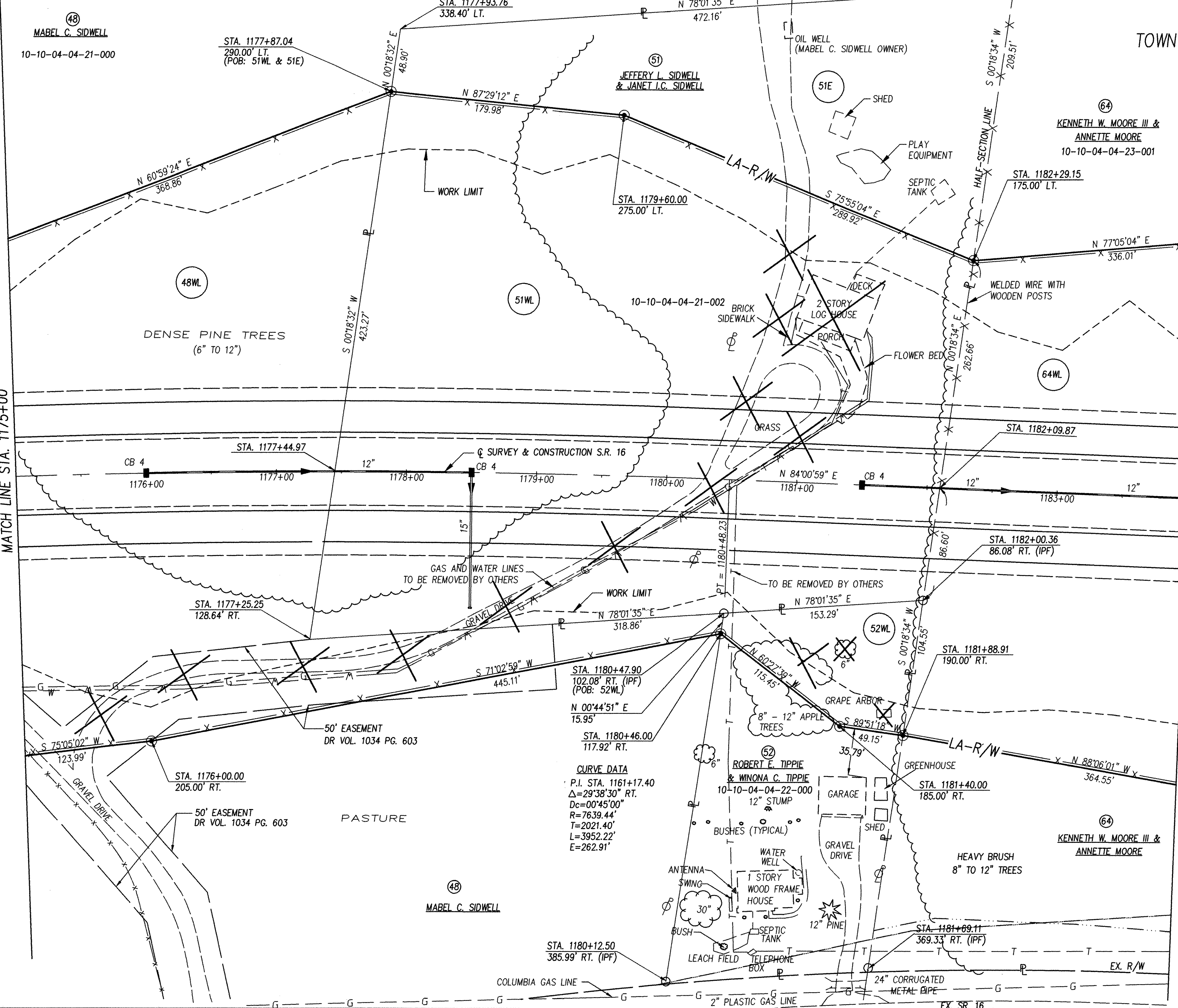
51E STA. 1177+87.04  
290.00' LT.  
(POB: 51WL & 51E)

51 JEFFERY L. SIDWELL & JANET I.C. SIDWELL

64 KENNETH W. MOORE III & ANNETTE MOORE  
10-10-04-04-23-001

SEE SHEET NO. 19  
MATCH LINE STA. 1175+00

MATCH LINE STA. 1184+00  
SEE SHEET NO. 21



CURVE DATA  
P.I. STA. 1161+17.40  
Δ=29°38'30" RT.  
Dc=00°45'00"  
R=7639.44'  
T=2021.40'  
L=3952.22'  
E=262.91'

- IP FOUND
  - IP SET (3/4" IRON PIN, 30" LONG WITH PLASTIC ID CAP STAMPED "ODOT D-5")
  - × PK NAIL SET
- NOTE: ALL TREES TO BE REMOVED WITHIN THE CONSTRUCTION LIMITS.

PID NO. 16299

RIGHT OF WAY PLAN  
STA. 1175+00 TO STA. 1184+00

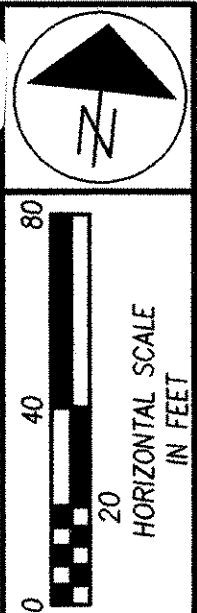
MUS-16-7.16

20/47

672  
703

REV.	DATE	DESCRIPTION

DATE OF COMPLETION: 1/15/99



PARCEL 64X PARCEL TIE-IN  
 64X FROM POINT "B", THENCE S 65°32'37" W, 2535.25' TO THE POB.  
 64X-1 FROM POINT "B", THENCE S 56°30'27" W, 2725.47' TO THE POB.

POINT "B" INTERSECTION OF THE HALF SECTION LINES OF SECTIONS 3 AND 4 (IP FOUND AND USED)  
 STA. 1209+67.32, 1018.86' LT.

PID NO. 16299

RIGHT OF WAY PLAN  
 STA. 1184+00 TO STA. 1193+00

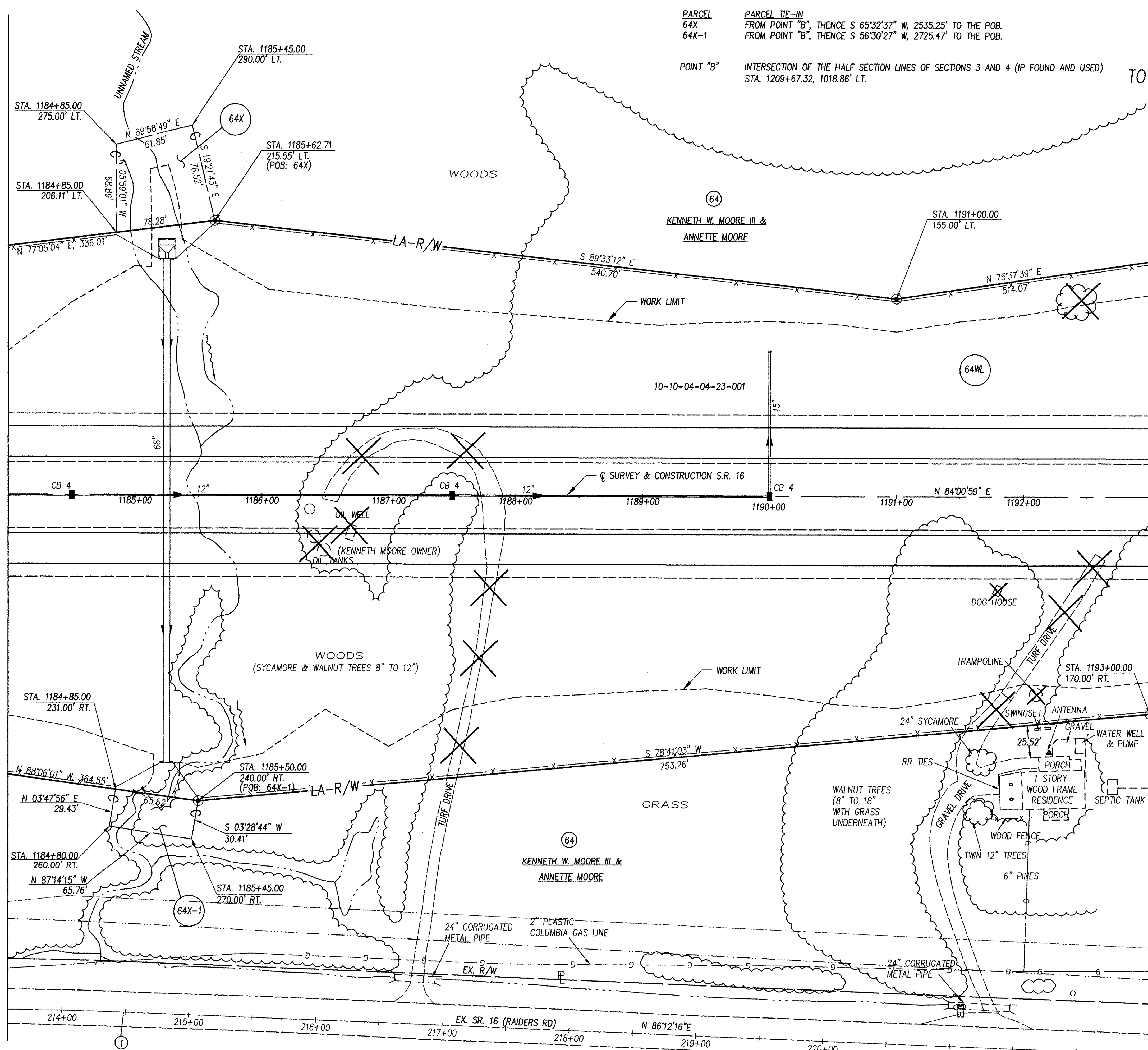
MUS-16-7.16

21/47

673  
703

SEE SHEET NO. 20  
 MATCH LINE STA. 1184+00

MATCH LINE STA. 1193+00  
 SEE SHEET NO. 22



EX. SR. 16  
 CURVE DATA  
 P.I. STA. 203+38.40  
 $\Delta = 47^{\circ}18'00''$  RT.  
 $D_c = 02^{\circ}00'00''$   
 $R = 2864.79'$   
 $T = 1254.57'$   
 $L = 2365.00'$   
 $E = 262.67'$

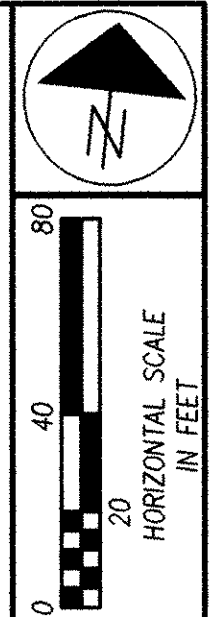
① PT = 214+48.83

- IP FOUND
- IP SET (3/4" IRON PIN, 30" LONG WITH PLASTIC ID CAP STAMPED "ODOT D-5")
- × PK NAIL SET

NOTE: ALL TREES TO BE REMOVED WITHIN THE CONSTRUCTION LIMITS.

REV.	DATE	DESCRIPTION
DATE OF COMPLETION: 1/15/99		

MUSKINGUM COUNTY  
CASS TOWNSHIP  
SECTION 4  
TOWNSHIP 3 NORTH, RANGE 8 WEST



PID NO.  
16299

RIGHT OF WAY PLAN  
STA. 1193+00 TO STA. 1202+00

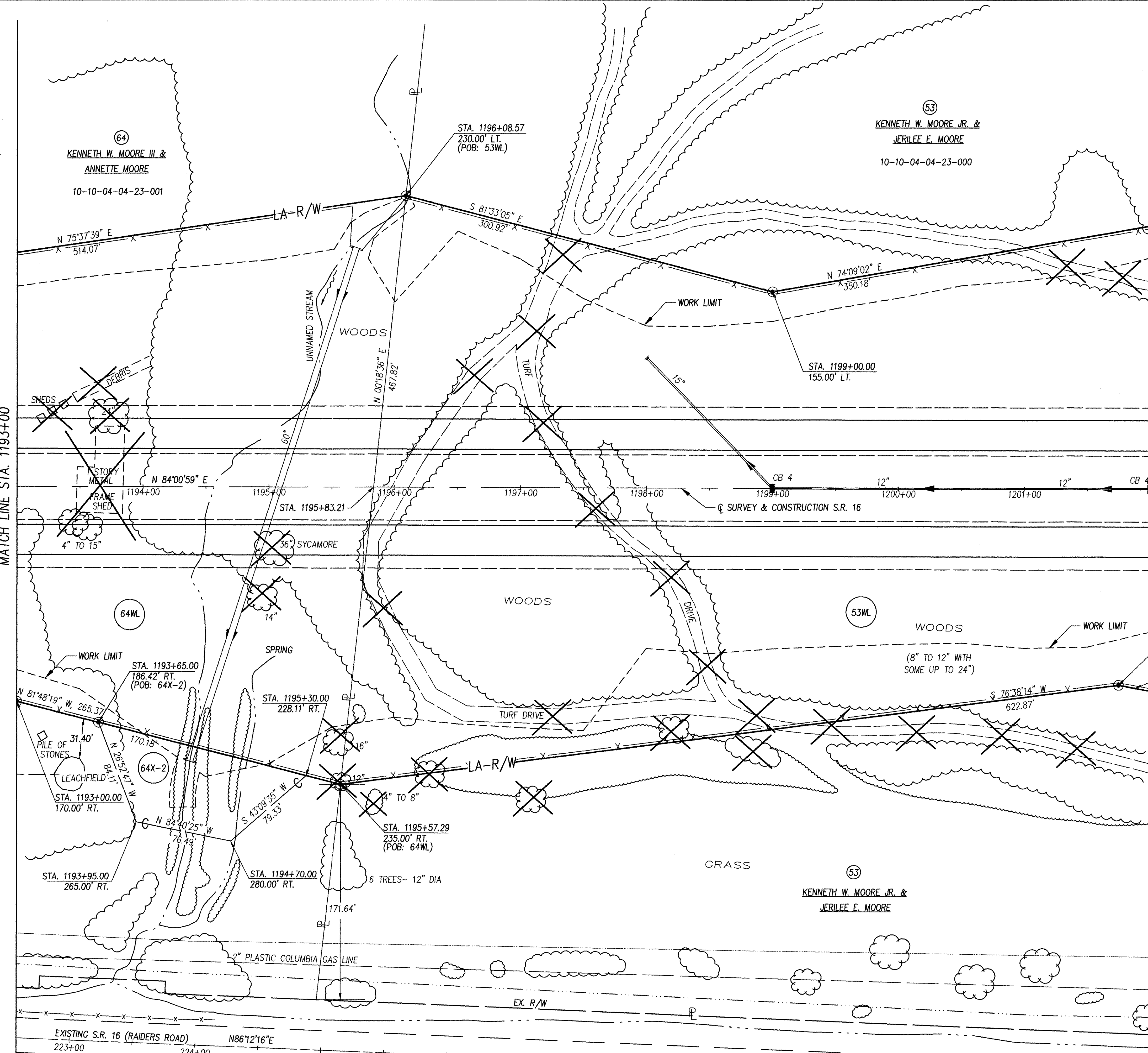
MUS-16-7.16

22/47

674  
703

PARCEL  
53WL  
64WL  
64X-2  
PARCEL TIE-IN  
FROM POINT "B", THENCE S 53°52'41" W, 1571.15' TO THE POB.  
FROM POINT "B", THENCE S 42°22'18" W, 1886.89' TO THE POB.  
FROM POINT "B", THENCE S 47°3'56" W, 2005.03' TO THE POB.

POINT "B" INTERSECTION OF THE HALF SECTION LINES OF SECTIONS 3 AND 4 (IP FOUND AND USED)  
STA. 1209+67.32, 1018.86' LT.



SEE SHEET NO. 21  
MATCH LINE STA. 1193+00

MATCH LINE STA. 1202+00  
SEE SHEET NO. 23

- IP FOUND
- IP SET (3/4" IRON PIN, 30" LONG WITH PLASTIC ID CAP STAMPED "ODOT D-5")
- ✕ PK NAIL SET

NOTE: ALL TREES TO BE REMOVED WITHIN THE CONSTRUCTION LIMITS.

REV.	DATE	DESCRIPTION
DATE OF COMPLETION: 1/15/99		

64  
KENNETH W. MOORE III &  
ANNETTE MOORE  
10-10-04-04-23-001

53  
KENNETH W. MOORE JR. &  
JERILEE E. MOORE  
10-10-04-04-23-000

64WL

53WL

64X-2

53

EXISTING S.R. 16 (RAIDERS ROAD) N86°12'16"E

KENNETH W. MOORE JR. &  
JERILEE E. MOORE

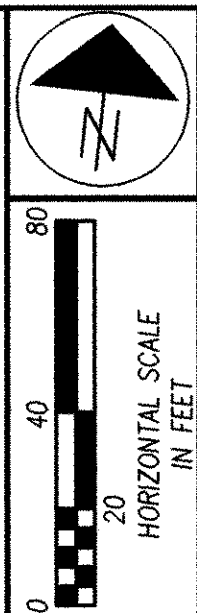
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RESOURCE INTERNATIONAL, INC.  
PROJECT NO. W-5201

MUSKINGUM COUNTY  
CASS TOWNSHIP  
SECTION 4  
TOWNSHIP 3 NORTH, RANGE 8 WEST

R1001743

MUSKINGUM COUNTY  
CASS TOWNSHIP  
SECTION 3  
TOWNSHIP 3 NORTH, RANGE 8 WEST

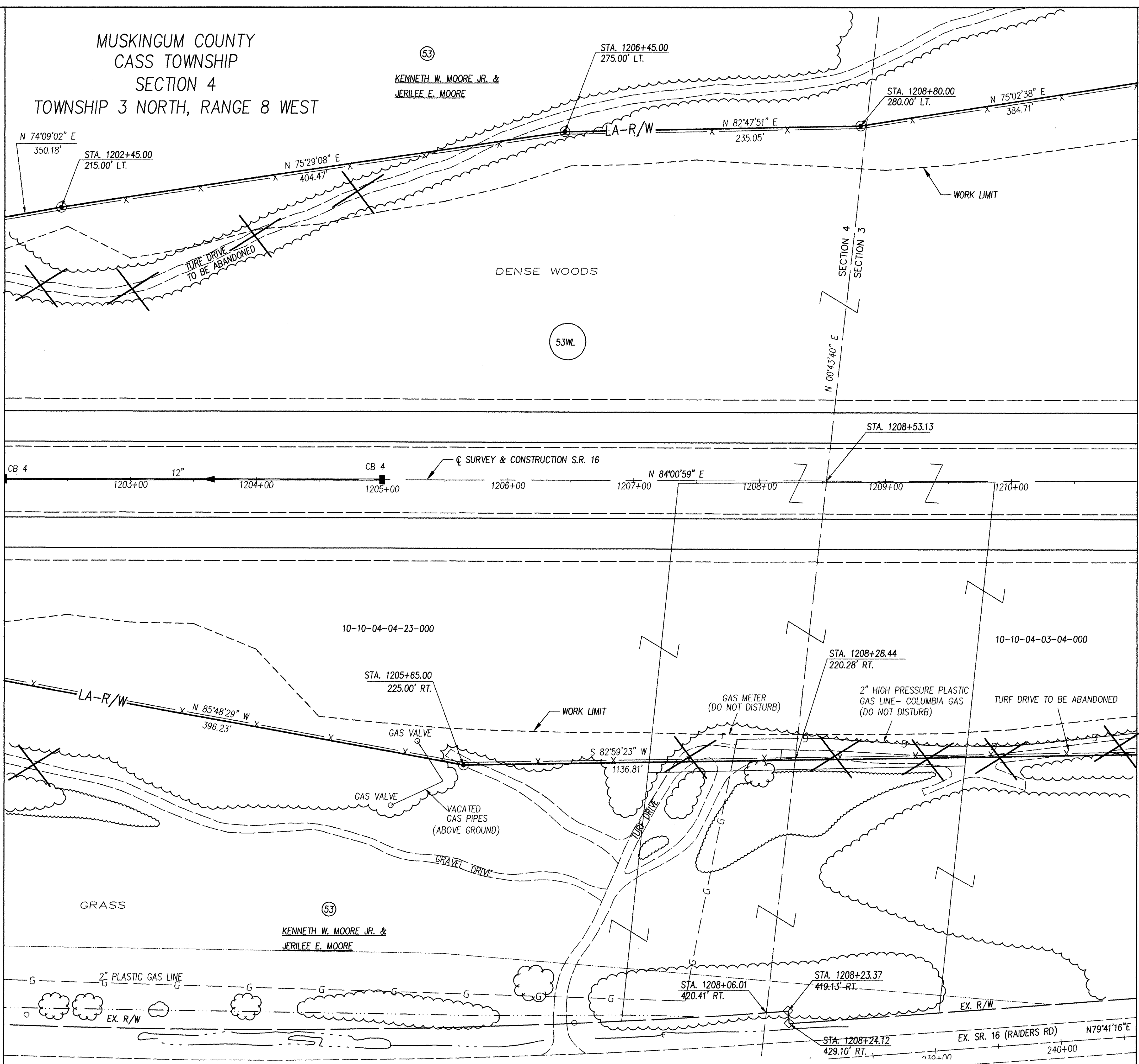


PID NO.  
16299

RIGHT OF WAY PLAN  
STA. 1202+00 TO STA. 1211+00

MUS-16-7.16

23/51  
675  
703



SEE SHEET NO. 22  
MATCH LINE STA. 1202+00

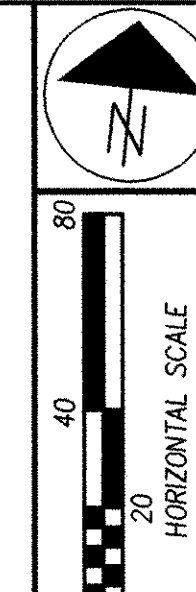
MATCH LINE STA. 1211+00  
SEE SHEET NO. 24

- ◇ EX. R/W MONUMENTS
- IP FOUND
- IP SET (3/4" IRON PIN, 30" LONG WITH PLASTIC ID CAP STAMPED "ODOT D-5")
- × PK NAIL SET

NOTE: ALL TREES TO BE REMOVED WITHIN THE CONSTRUCTION LIMITS.

REV.	DATE	DESCRIPTION
DATE OF COMPLETION: 1/15/99		





MUSKINGUM COUNTY  
CASS TOWNSHIP  
SECTION 3  
TOWNSHIP 3 NORTH, RANGE 8 WEST

PARCEL 65WL PARCEL TIE-IN  
FROM POINT "B", THENCE S 41°16'44" E, 942.01' TO THE POB.  
POINT "B" INTERSECTION OF THE HALF SECTION LINES OF SECTIONS  
3 AND 4 (IP FOUND AND USED)  
STA. 1209+67.32, 1018.86' LT.

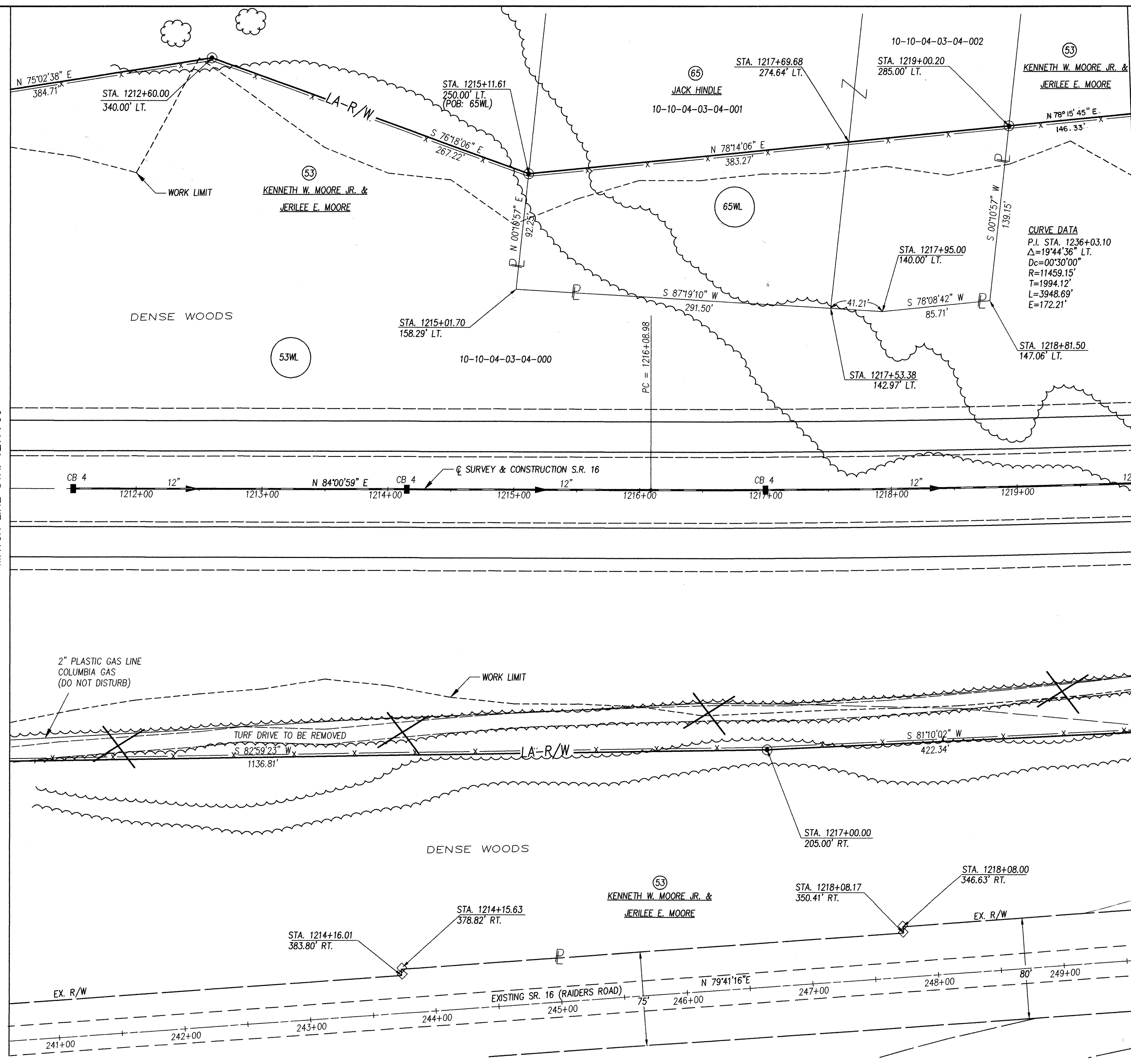
PID NO.  
16299

RIGHT OF WAY PLAN  
STA. 1211+00 TO STA. 1220+00

MUS-16-7.16

24/51

676  
703



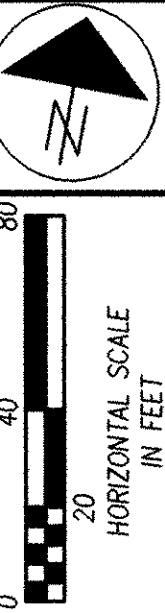
CURVE DATA  
P.I. STA. 1236+03.10  
Δ=19°44'36" LT.  
Dc=00°30'00"  
R=11459.15'  
T=1994.12'  
L=3948.69'  
E=172.21'

- ◇ EX. R/W MONUMENT
  - IP FOUND
  - IP SET (3/4" IRON PIN, 30" LONG WITH PLASTIC ID CAP STAMPED "ODOT D-5")
  - × PK NAIL SET
- NOTE: ALL TREES TO BE REMOVED WITHIN THE CONSTRUCTION LIMITS.

TMS	11/22/99	REV. PROPOSED LA-RW, 53WL
REV.	DATE	DESCRIPTION
DATE OF COMPLETION: 1/15/99		

SEE SHEET NO. 23  
MATCH LINE STA. 1211+00

MATCH LINE STA. 1220+00  
SEE SHEET NO. 25



MUSKINGUM COUNTY  
CASS TOWNSHIP  
SECTION 3  
TOWNSHIP 3 NORTH, RANGE 8 WEST

PID NO.  
16299

RIGHT OF WAY PLAN  
STA. 1220+00 TO STA. 1229+00

MUS-16-7.16

STA. 1220+50.00  
295.00' LT.

N 78°15'45" E  
146.33'

LA-RW

WORK LIMIT

TURF DRIVE  
S 79°12'25" E  
350.85'

DENSE WOODS

53WL

N 76°38'47" E  
214.83'

LA-RW  
176.00' LT.

STA. 1226+05.00  
187.00' LT.

CURVE DATA  
P.I. STA. 1236+03.10  
Δ=19°44'36" LT.  
Dc=00°30'00"  
R=11459.15'  
T=1994.12'  
L=3948.69'  
E=172.21'

STA. 1227+35.00  
350.00' LT.

N 76°38'12" E  
402.24'

53  
KENNETH W. MOORE, JR. &  
JERILEE E. MOORE  
10-10-04-03-04-000

STORAGE TANKS  
PUMP  
OIL WELL

WORK LIMIT

SEE SHEET NO. 24  
MATCH LINE STA. 1220+00

12" CB 4A 1221+00 1222+00 18" 1223+00 15" 1224+00 1225+00 1226+00 12" 1227+00 1228+00

MATCH LINE STA. 1229+00  
SEE SHEET NO. 26

2" PLASTIC GAS LINE  
COLUMBIA GAS  
(DO NOT DISTURB)

DENSE WOODS

53WL

(DO NOT DISTURB)

TURF DRIVE TO BE REMOVED

WORK LIMIT

S 81°10'02" W  
422.34'

STA. 1221+15.00  
195.00' RT.

N 89°56'42" W  
190.76'

STA. 1223+00.00  
225.00' RT.

UNNAMED STREAM

S 81°03'46" W  
592.17'

53  
KENNETH W. MOORE, JR. &  
JERILEE E. MOORE

STA. 1228+80.00  
245.00' RT.

S 71°27'41" W  
608.41'

- IP FOUND
- IP SET (3/4" IRON PIN, 30" LONG WITH PLASTIC ID CAP STAMPED "ODOT D-5")
- × PK NAIL SET

NOTE: ALL TREES TO BE REMOVED WITHIN THE CONSTRUCTION LIMITS.

NOTE: GM - GAS MARKER

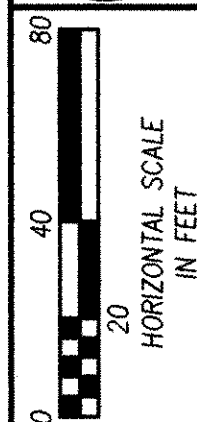
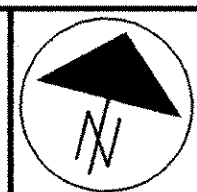
250+00 251+00 80' 252+00 253+00 254+00 255+00 256+00 257+00 85' 258+00 80' 259+

EXISTING S.R. 16 (RAIDERS ROAD)

N 79°41'16" E

ASPHALT

TMS	11/22/99	REVISED PROPOSED LA-RW, 53WL
REV.	DATE	DESCRIPTION
DATE OF COMPLETION: 1/15/99		



PID NO. 16299

RIGHT OF WAY PLAN S.R. 16  
STA. 1229+00 TO STA. 1238+00

MUS-16-7.16

26/51

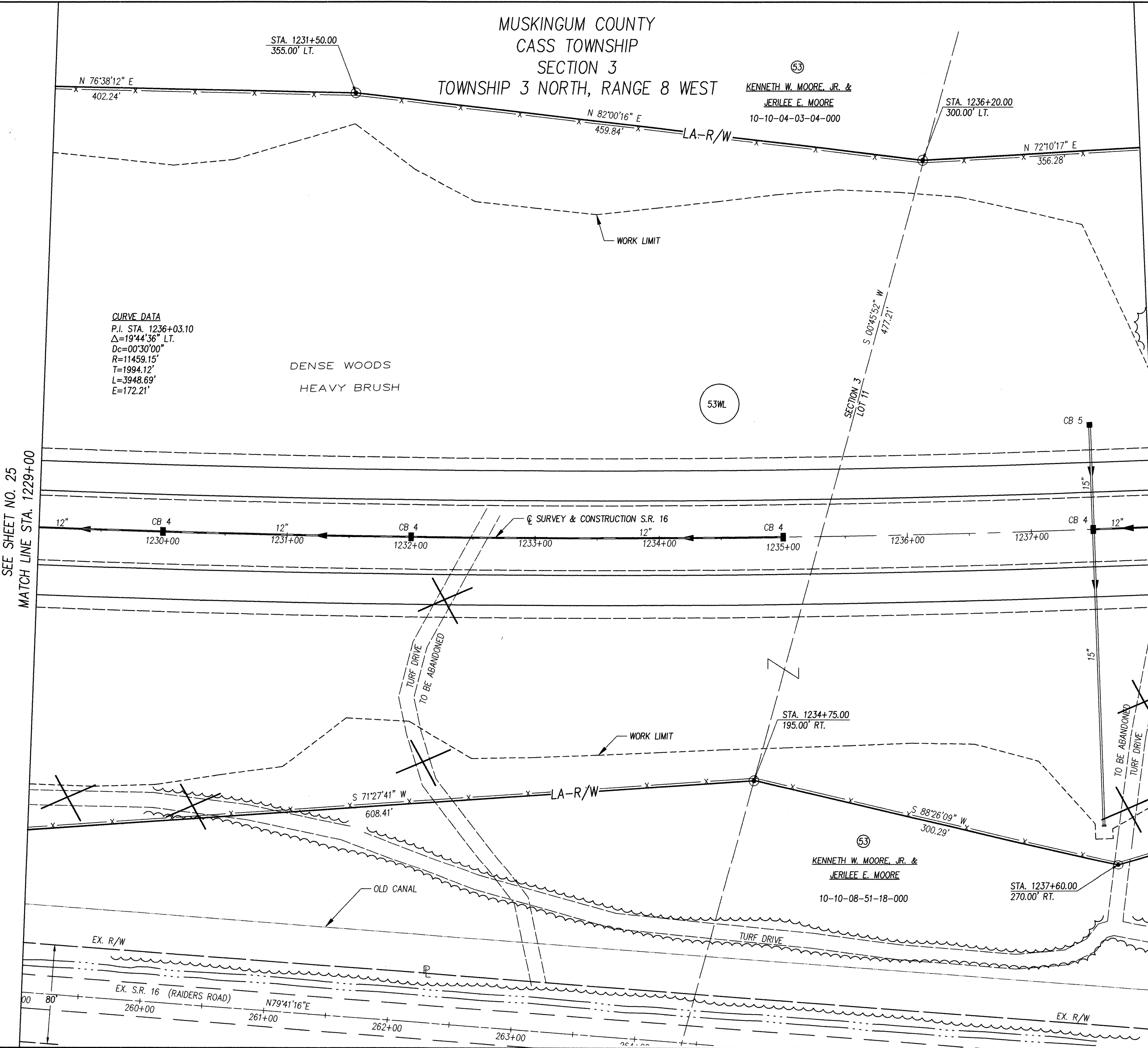
678  
703

MUSKINGUM COUNTY  
CASS TOWNSHIP  
SECTION 3  
TOWNSHIP 3 NORTH, RANGE 8 WEST

MUSKINGUM COUNTY  
CASS TOWNSHIP  
TOWNSHIP 3 NORTH, RANGE 8 WEST  
LOT 11

SEE SHEET NO. 25  
MATCH LINE STA. 1229+00

MATCH LINE STA. 1238+00  
SEE SHEET NO. 27



**CURVE DATA**  
P.I. STA. 1236+03.10  
Δ=19°44'36" LT.  
Dc=00°30'00"  
R=11459.15'  
T=1994.12'  
L=3948.69'  
E=172.21'

- IP FOUND
- IP SET (3/4" IRON PIN, 30" LONG WITH PLASTIC ID CAP STAMPED "ODOT D-5")
- × PK NAIL SET

NOTE: ALL TREES TO BE REMOVED WITHIN THE CONSTRUCTION LIMITS.

REV.	DATE	DESCRIPTION
DATE OF COMPLETION: 1/15/99		

MUSKINGUM COUNTY  
CASS TOWNSHIP  
TOWNSHIP 3 NORTH, RANGE 8 WEST  
LOTS 10 & 11



PID NO. 16299

RIGHT OF WAY PLAN  
STA. 1238+00 TO STA. 1247+00

MUS-16-7.16

27/51

679  
703

PROP. CUL-DE-SAC  
CURVE DATA  
P.I. STA. 88+57.23 =  
STA. 1238+89.65, 384.13' LT.  
 $\Delta=14^{\circ}23'55''$  RT.  
Dc=16'44'40"  
R=342.18'  
T=43.22'  
L=85.99'  
E=2.72'

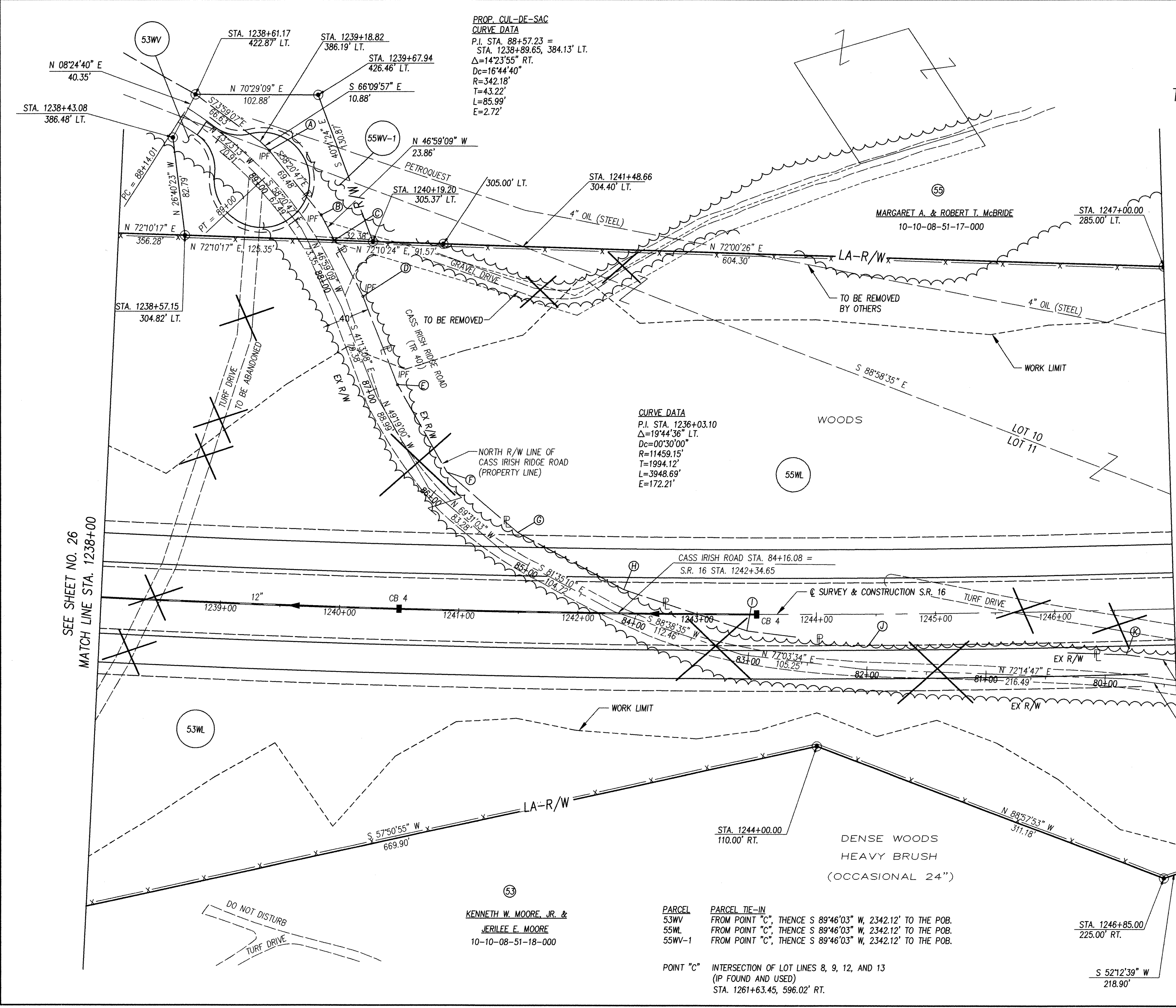
CURVE DATA  
P.I. STA. 1236+03.10  
 $\Delta=19^{\circ}44'36''$  LT.  
Dc=00'30'00"  
R=11459.15'  
T=1994.12'  
L=3948.69'  
E=172.21'

- (A) STA. 1239+27.27, 378.99' LT. (IP FND)
- (B) STA. 1239+73.97, 326.28' LT. (IP FND)
- (C) STA. 1239+85.92, 305.44' LT. (POB: 53W, 55WL, & 55WV-1)
- (D) STA. 1240+12.06, 259.56' LT. (IP FND)
- (E) STA. 1240+43.71, 186.94' LT. (IP FND)
- (F) STA. 1240+87.62, 114.96' LT.
- (G) STA. 1241+48.40, 66.11' LT.
- (H) STA. 1242+38.38, 19.81' LT.
- (I) STA. 1243+41.79, 13.85' RT.
- (J) STA. 1244+43.24, 26.26' RT.
- (K) STA. 1246+58.96, 37.37' RT.

- CD S 46'59'09" E, 52.49'
- DE S 41'13'08" E, 78.97'
- EF S 49'19'00" E, 84.01'
- FG S 69'31'03" E, 77.60'
- GH S 81'35'10" E, 100.90'
- HI N 88'38'35" E, 108.72'
- IJ N 77'03'34" E, 102.38'
- JK N 72'14'47" E, 216.60'

- IP FOUND
  - IP SET (3/4" IRON PIN, 30" LONG WITH PLASTIC ID CAP STAMPED "ODOT D-5")
  - × PK NAIL SET
- NOTE: ALL TREES TO BE REMOVED WITHIN THE CONSTRUCTION LIMITS.

REV.	DATE	DESCRIPTION
DATE OF COMPLETION: 1/15/99		



SEE SHEET NO. 26  
MATCH LINE STA. 1238+00

MATCH LINE STA. 1247+00  
SEE SHEET NO. 28

RESOURCE INTERNATIONAL, INC.  
PROJECT NO. W-5201

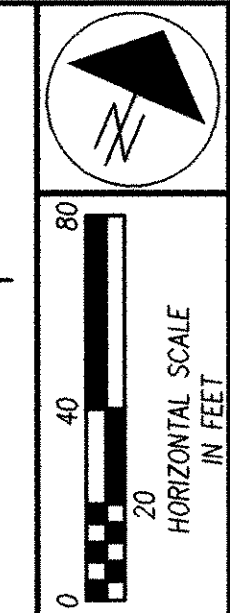
(53)  
KENNETH W. MOORE, JR. &  
JERILEE E. MOORE  
10-10-08-51-18-000

PARCEL 53WV  
55WL  
55WV-1  
PARCEL TIE-IN  
FROM POINT "C", THENCE S 89'46'03" W, 2342.12' TO THE POB.  
FROM POINT "C", THENCE S 89'46'03" W, 2342.12' TO THE POB.  
FROM POINT "C", THENCE S 89'46'03" W, 2342.12' TO THE POB.

POINT "C" INTERSECTION OF LOT LINES 8, 9, 12, AND 13  
(IP FOUND AND USED)  
STA. 1261+63.45, 596.02' RT.

STA. 1246+85.00/  
225.00' RT.

S 52'12'39" W  
218.90'



MUSKINGUM COUNTY  
CASS TOWNSHIP  
TOWNSHIP 3 NORTH, RANGE 8 WEST  
LOT 10

MUSKINGUM COUNTY  
CASS TOWNSHIP  
TOWNSHIP 3 NORTH, RANGE 8 WEST  
LOT 9

MUSKINGUM COUNTY  
CASS TOWNSHIP  
TOWNSHIP 3 NORTH, RANGE 8 WEST

55  
MARGARET A. McBRIDE &  
ROBERT T. McBRIDE

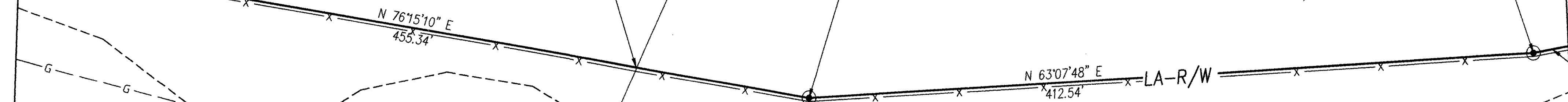
WOODS  
(4" TO 8" OCCASIONAL 24")

STA. 1247+00.00  
285.00' LT.

STA. 1250+60.26  
231.79' LT.

STA. 1251+60.00  
215.00' LT.

STA. 1255+80.00  
230.00' LT.



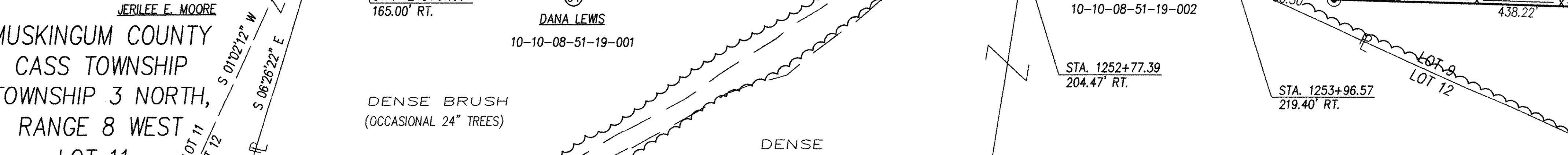
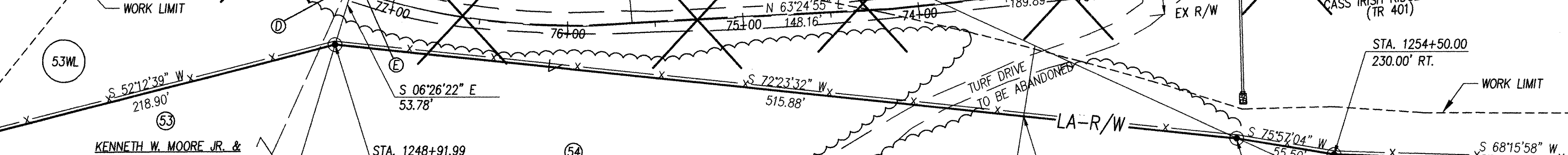
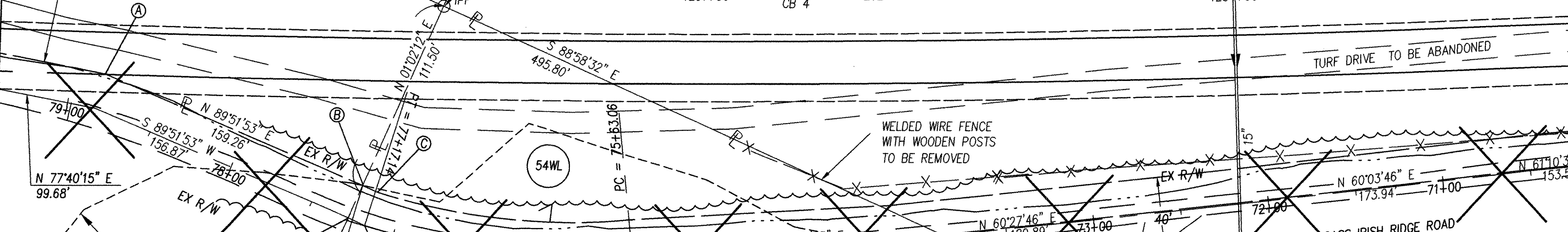
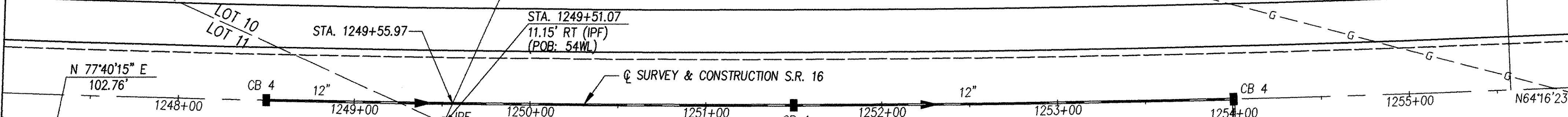
CURVE DATA  
P.I. STA. 1236+03.10  
Δ=19°44'36" LT.  
Dc=00°30'00"  
R=11459.15'  
T=1994.12'  
L=3948.69'  
E=172.21'

- Ⓐ STA. 1247+60.01, 53.72' RT.
- Ⓑ STA. 1249+06.63, 113.31' RT.
- Ⓒ STA. 1249+15.01, 117.04' RT.
- Ⓓ STA. 1248+98.89, 131.71' RT.
- Ⓔ STA. 1249+08.14, 135.84' RT.

- BC S 88°40'29" E, 9.24'
- DE N 88°40'29" W, 10.23'

SEE SHEET NO. 27  
MATCH LINE STA. 1247+00

MATCH LINE STA. 1256+00  
SEE SHEET NO. 29



KENNETH W. MOORE JR. &  
JERILEE E. MOORE  
MUSKINGUM COUNTY  
CASS TOWNSHIP  
TOWNSHIP 3 NORTH,  
RANGE 8 WEST  
LOT 11

54  
DANA LEWIS  
10-10-08-51-19-001

DENSE BRUSH  
(OCCASIONAL 24" TREES)

DENSE BRUSH  
(OCCASIONAL 24" TREES)

MUSKINGUM COUNTY  
CASS TOWNSHIP  
TOWNSHIP 3 NORTH, RANGE 8 WEST  
LOT 12

PARCEL 54WL  
PARCEL TIE-IN  
FROM POINT "C", THENCE N 88°58'32" W, 1339.26'  
TO THE POB.  
POINT "C"  
INTERSECTION OF LOT LINES 8, 9, 12 AND 13  
(IP FOUND AND USED)  
STA. 1261+63.45, 596.02' RT.

- IP FOUND
- IP SET (3/4" IRON PIN, 30" LONG WITH PLASTIC ID CAP STAMPED "0DOT D-5")
- × PK NAIL SET

NOTE: ALL TREES TO BE REMOVED  
WITHIN THE CONSTRUCTION LIMITS.

REV.	DATE	DESCRIPTION
DATE OF COMPLETION: 1/15/99		

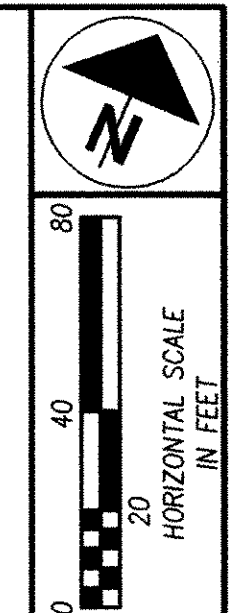
PID NO.  
16299

RIGHT OF WAY PLAN  
STA. 1247+00 TO STA. 1256+00

MUS-16-7.16

28/51

680  
703



MUSKINGUM COUNTY  
CASS TOWNSHIP  
TOWNSHIP 3 NORTH, RANGE 8 WEST  
LOT 9

PARCEL 55WV FROM POINT "C", THENCE N 25°24'23" W, 387.03' TO THE POB.  
55X FROM POINT "C", THENCE N 63°28'51" W, 427.39' TO THE POB.  
57WV FROM POINT "C", THENCE N 01°01'17" E, 458.36' TO THE POB.  
POINT "C" INTERSECTION OF LOT LINES 8, 9, 12 AND 13 (IP FOUND AND USED)  
STA. 1261+63.45, 596.02' RT.

(55)  
MARGARET A. McBRIDE &  
ROBERT T. McBRIDE

(57)  
R. DAVID CRAWFORD

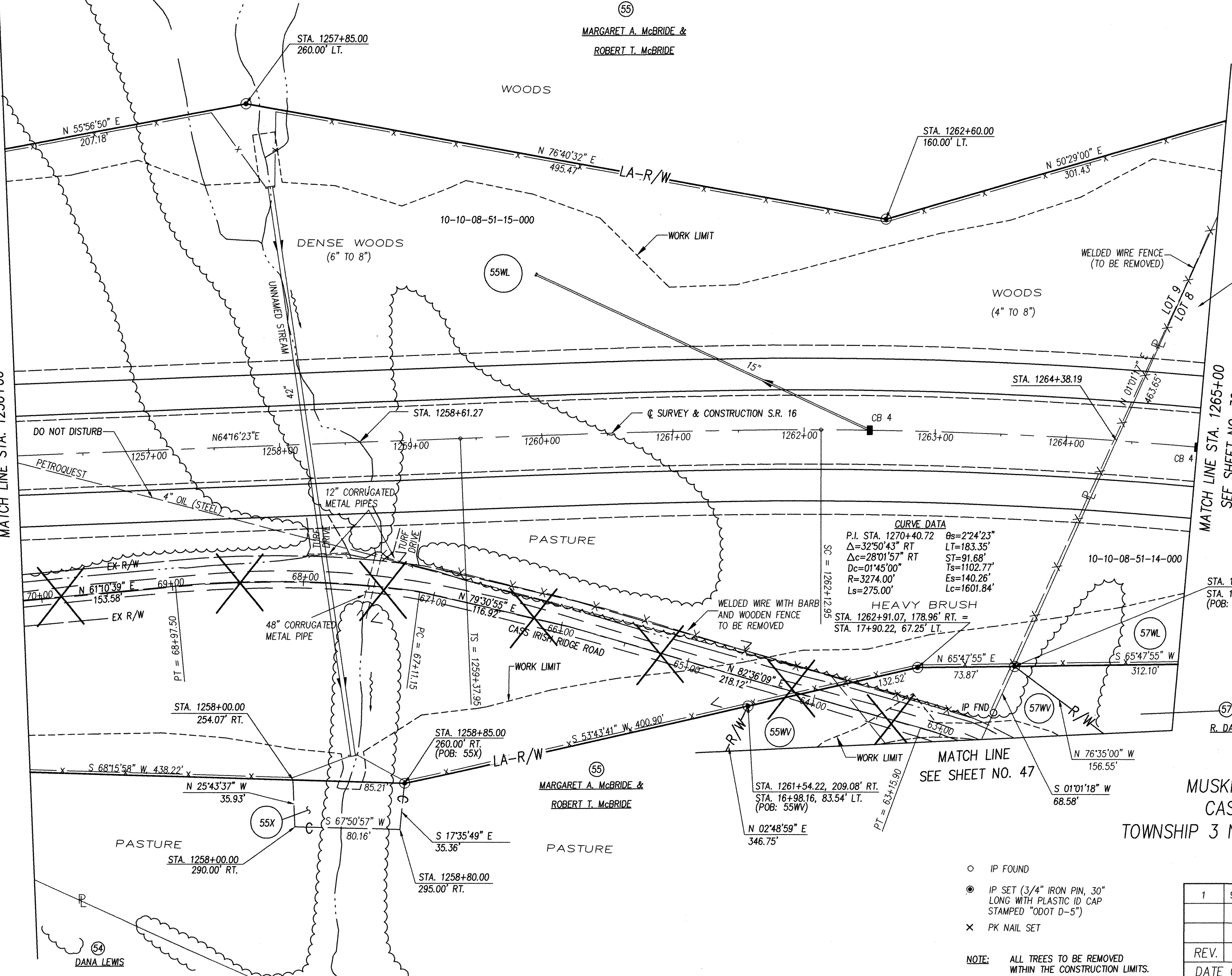
SEE SHEET NO. 28  
MATCH LINE STA. 1256+00

MATCH LINE STA. 1265+00  
SEE SHEET NO. 30

PID NO.  
16299

RIGHT OF WAY PLAN  
STA. 1256+00 TO STA. 1265+00

MUS-16-7-16



CURVE DATA  
P.I. STA. 1270+40.72  $\theta_s=2'24'23''$   
 $\Delta=32'50'43''$  RT LT=183.35'  
 $\Delta_c=28'01'57''$  RT ST=91.68'  
 $D_c=01'45'00''$  Ts=1102.77'  
R=3274.00' Es=140.26'  
Ls=275.00' Lc=1601.84'

HEAVY BRUSH  
STA. 1262+91.07, 178.96' RT. =  
STA. 17+90.22, 67.25' LT.

- IP FOUND
- IP SET (3/4" IRON PIN, 30" LONG WITH PLASTIC ID CAP STAMPED "ODOT D-5")
- ✕ PK NAIL SET

NOTE: ALL TREES TO BE REMOVED WITHIN THE CONSTRUCTION LIMITS.

1	9/15/99	REVISED PROPERTY OWNER OF 57.
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REV.	DATE	DESCRIPTION
		DATE OF COMPLETION: 1/15/99

29/51

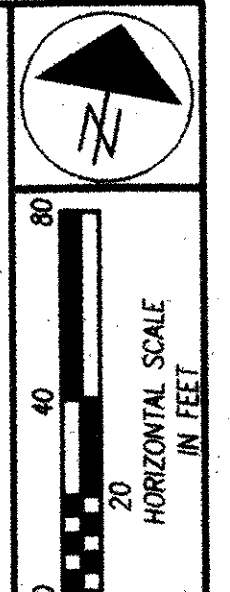
681  
703

MUSKINGUM COUNTY  
CASS TOWNSHIP  
TOWNSHIP 3 NORTH,  
RANGE 8 WEST  
LOT 9

MUSKINGUM COUNTY  
CASS TOWNSHIP  
TOWNSHIP 3 NORTH, RANGE 8 WEST  
LOT 8

R1001750

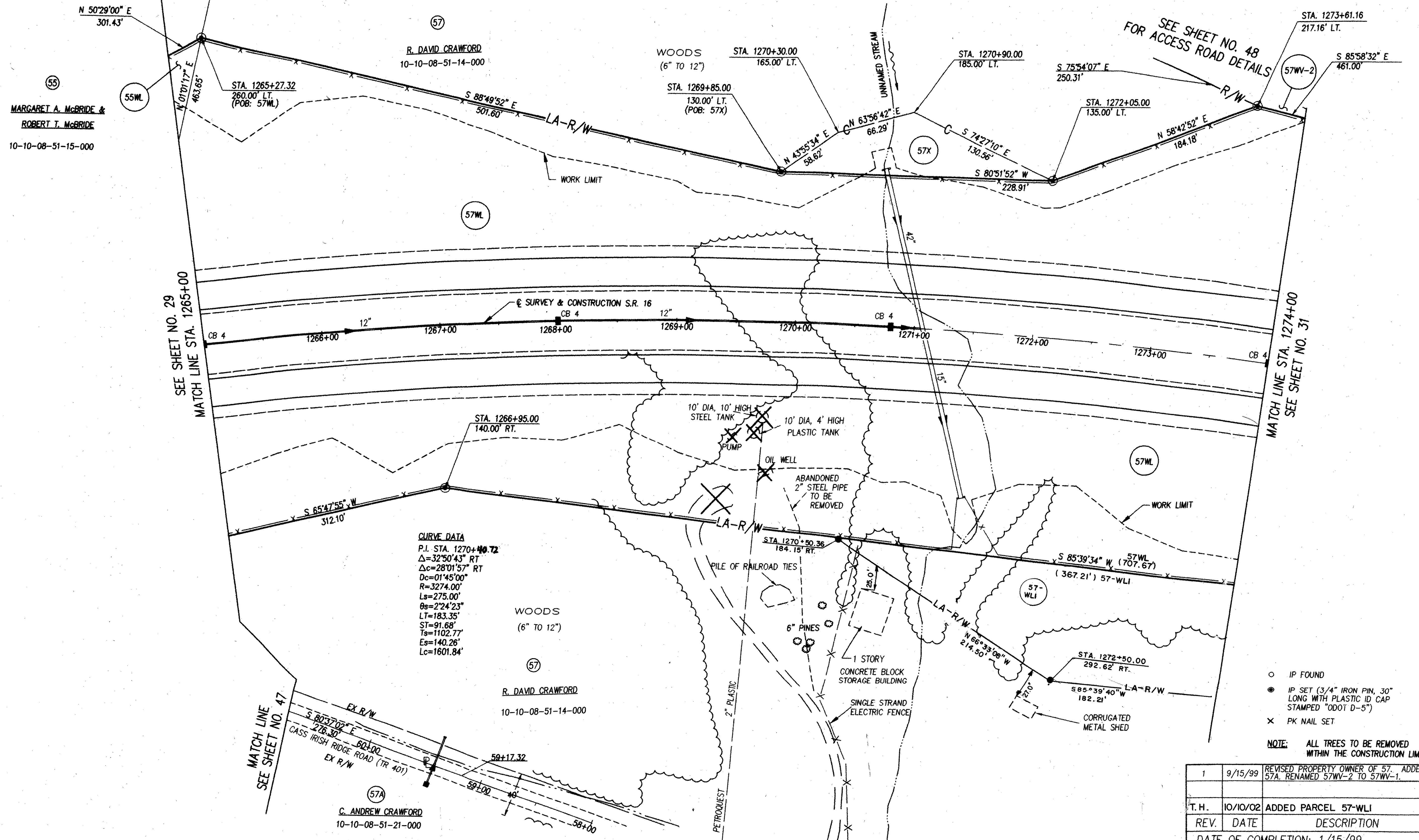
PARCEL 57WL  
57X  
PARCEL TIE-IN  
FROM POINT "C", THENCE N 01°01'17" W, 922.01' TO THE POB.  
FROM POINT "C", THENCE N 29°36'09" E, 1048.49' TO THE POB.  
POINT "C" INTERSECTION OF LOT LINES 8, 9, 12 AND 13 (IF FOUND AND USED)  
STA. 1261+63.45, 596.02' RT.



PRD NO. 16299

RIGHT OF WAY PLAN  
STA. 1265+00 TO STA. 1274+00

MUS-16-7.16



- IP FOUND
  - IP SET (3/4" IRON PIN, 30" LONG WITH PLASTIC ID CAP STAMPED "ODOT D-5")
  - × PK NAIL SET
- NOTE: ALL TREES TO BE REMOVED WITHIN THE CONSTRUCTION LIMITS.

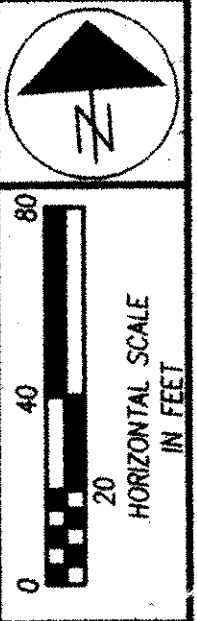
1	9/15/99	REVISED PROPERTY OWNER OF 57. ADDED 57A. RENAMED 57WV-2 TO 57WV-1.
T.H.	10/10/02	ADDED PARCEL 57-WLI
REV.	DATE	DESCRIPTION
DATE OF COMPLETION: 1/15/99		

30/51  
682  
703

RESOURCE INTERNATIONAL, INC.  
PROJECT NO. W-5201  
G:\DWG\DEPT\4\SR16\SR16\SECTION\HPL\AN\30m\20.dwg Mod: May 10, 04, 13:06:1999

MUSKINGUM COUNTY  
CASS TOWNSHIP  
TOWNSHIP 3 NORTH, RANGE 8 WEST  
LOT 8

MUSKINGUM COUNTY  
CASS TOWNSHIP  
TOWNSHIP 3 NORTH, RANGE 8 WEST  
LOT 7

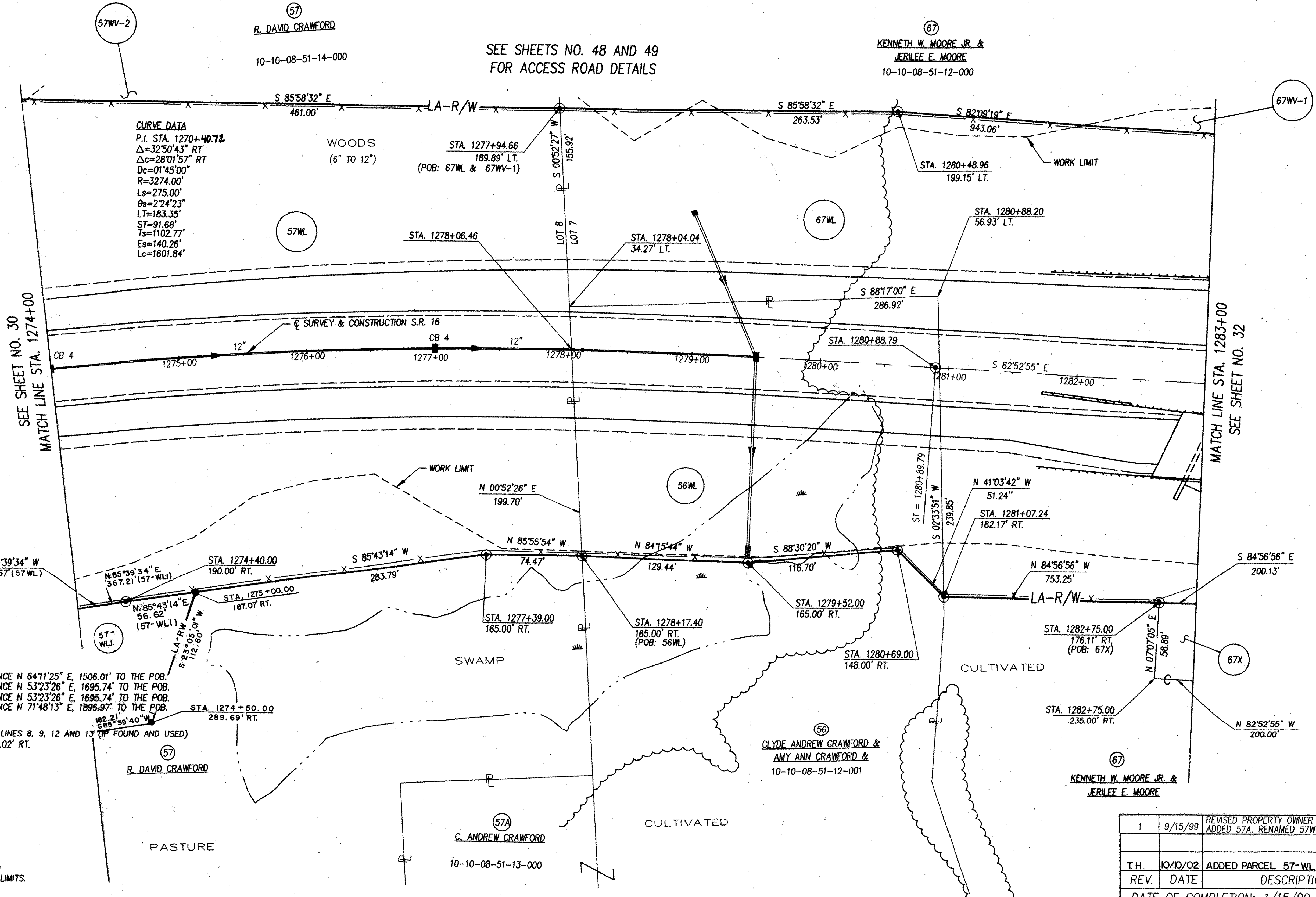


PID NO.  
16299

RIGHT OF WAY PLAN  
STA. 1274+00 TO STA. 1283+00

MUS-16-7.16

31/51  
683  
703



**CURVE DATA**  
P.I. STA. 1270+40.72  
Δ=32°50'43" RT  
Δc=28°01'57" RT  
Dc=01°45'00"  
R=3274.00'  
Ls=275.00'  
Os=2°24'23"  
LT=183.35'  
ST=91.68'  
Ts=1102.77'  
Es=140.26'  
Lc=1601.84'

SEE SHEETS NO. 48 AND 49  
FOR ACCESS ROAD DETAILS

SEE SHEET NO. 30  
MATCH LINE STA. 1274+00

MATCH LINE STA. 1283+00  
SEE SHEET NO. 32

**PARCEL**  
56WL  
67WL  
67WV-1  
67X

**PARCEL TIE-IN**  
FROM POINT "C", THENCE N 64°11'25" E, 1506.01' TO THE POB.  
FROM POINT "C", THENCE N 53°23'26" E, 1695.74' TO THE POB.  
FROM POINT "C", THENCE N 53°23'26" E, 1695.74' TO THE POB.  
FROM POINT "C", THENCE N 71°48'13" E, 1896.97' TO THE POB.

POINT "C"  
INTERSECTION OF LOT LINES 8, 9, 12 AND 13 (IF FOUND AND USED)  
STA. 1261+63.45, 596.02' RT.

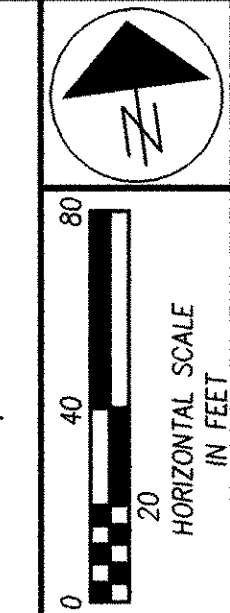
- IP FOUND
- IP SET (3/4" IRON PIN, 30" LONG WITH PLASTIC ID CAP STAMPED "ODOT D-5")
- × PK NAIL SET

NOTE: ALL TREES TO BE REMOVED WITHIN THE CONSTRUCTION LIMITS.

1	9/15/99	REVISED PROPERTY OWNER OF 56 & 57. ADDED 57A. RENAMED 57WV-2 TO 57WV-1.
T.H.	10/10/02	ADDED PARCEL 57-WLI
REV.	DATE	DESCRIPTION
DATE OF COMPLETION: 1/15/99		



MUSKINGUM COUNTY  
CASS TOWNSHIP  
QUARTER TOWNSHIP 1  
TOWNSHIP 3 NORTH, RANGE 8 WEST  
LOT 7



PID NO. 16299

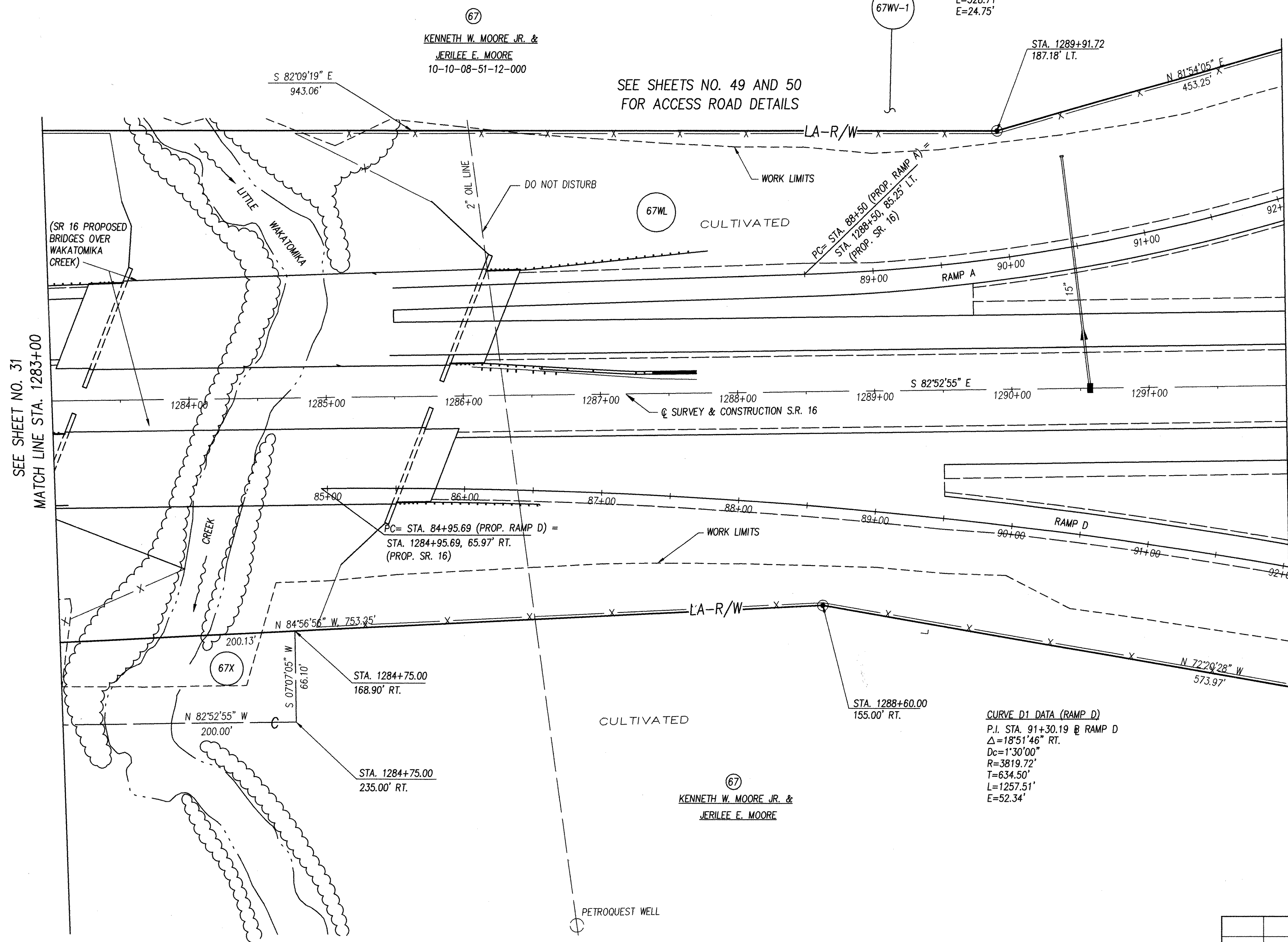
RIGHT OF WAY PLAN  
STA. 1283+00 TO STA. 1292+00

MUS-16-7.16

32/51  
684  
703

**CURVE A1 DATA (RAMP A)**  
P.I. STA. 91+17.40 @ RAMP A  
 $\Delta=21^{\circ}08'54''$  LT.  
 $D_c=4'00'00''$   
 $R=1432.39'$   
 $T=267.40'$   
 $L=528.71'$   
 $E=24.75'$

**CURVE D1 DATA (RAMP D)**  
P.I. STA. 91+30.19 @ RAMP D  
 $\Delta=18^{\circ}51'46''$  RT.  
 $D_c=1'30'00''$   
 $R=3819.72'$   
 $T=634.50'$   
 $L=1257.51'$   
 $E=52.34'$



(67)  
KENNETH W. MOORE JR. &  
JERILEE E. MOORE  
10-10-08-51-12-000

(67)  
KENNETH W. MOORE JR. &  
JERILEE E. MOORE

SEE SHEETS NO. 49 AND 50  
FOR ACCESS ROAD DETAILS

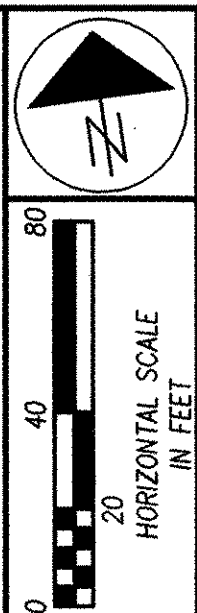
SEE SHEET NO. 31  
MATCH LINE STA. 1283+00

MATCH LINE STA. 1292+00  
SEE SHEET NO. 33

- IP FOUND
- IP SET (3/4" IRON PIN, 30" LONG WITH PLASTIC ID CAP STAMPED "ODOT D-5")
- × PK NAIL SET

NOTE: ALL TREES TO BE REMOVED WITHIN THE CONSTRUCTION LIMITS.

REV.	DATE	DESCRIPTION
DATE OF COMPLETION: 1/15/99		



MUSKINGUM COUNTY  
CASS TOWNSHIP  
QUARTER TOWNSHIP 1  
TOWNSHIP 3 NORTH, RANGE 8 WEST  
LOT 6

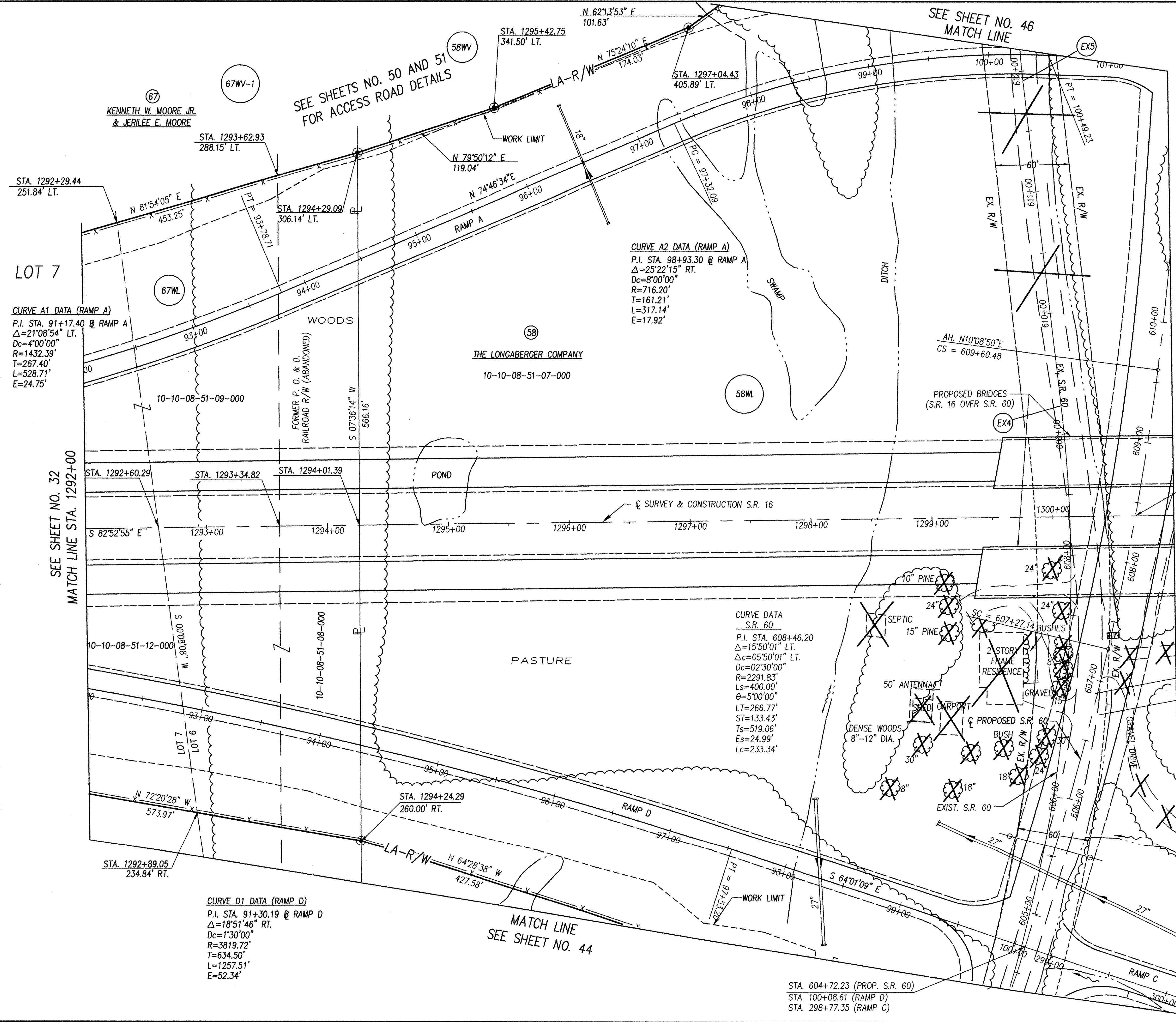
PID NO.  
16299

RIGHT OF WAY PLAN  
STA. 1292+00 TO STA. 1301+00

MUS-16-7.16

33/51

685  
703



**CURVE A1 DATA (RAMP A)**  
P.I. STA. 91+17.40 @ RAMP A  
 $\Delta=21^{\circ}08'54''$  RT.  
 $Dc=4^{\circ}00'00''$   
 $R=1432.39'$   
 $T=267.40'$   
 $L=528.71'$   
 $E=24.75'$

**CURVE A2 DATA (RAMP A)**  
P.I. STA. 98+93.30 @ RAMP A  
 $\Delta=25^{\circ}22'15''$  RT.  
 $Dc=8^{\circ}00'00''$   
 $R=716.20'$   
 $T=161.21'$   
 $L=317.14'$   
 $E=17.92'$

**CURVE DATA  
S.R. 60**  
P.I. STA. 608+46.20  
 $\Delta=15^{\circ}50'01''$  LT.  
 $\Delta c=05^{\circ}50'01''$  LT.  
 $Dc=02^{\circ}30'00''$   
 $R=2291.83'$   
 $Ls=400.00'$   
 $\theta=5^{\circ}00'00''$   
 $LT=266.77'$   
 $ST=133.43'$   
 $Ts=519.06'$   
 $Es=24.99'$   
 $Lc=233.34'$

**CURVE D1 DATA (RAMP D)**  
P.I. STA. 91+30.19 @ RAMP D  
 $\Delta=18^{\circ}51'46''$  RT.  
 $Dc=1^{\circ}30'00''$   
 $R=3819.72'$   
 $T=634.50'$   
 $L=1257.51'$   
 $E=52.34'$

**EX. SR. 60 DATA LABELS**  
EX4 PT = 609+21.11 AH. N0111'06"E  
EX5 PC = 611+89.63

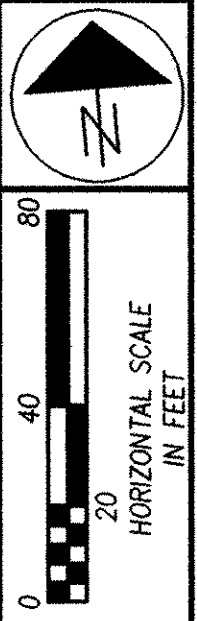
**EX. SR. 60  
CURVE DATA**  
P.I. STA. 606+76.33  
 $\Delta=24^{\circ}11'28''$  LT.  
 $Dc=04^{\circ}52'00''$   
 $R=1177.34'$   
 $T=252.30'$   
 $L=497.09'$   
 $E=26.73'$

- IP FOUND
  - IP SET (3/4" IRON PIN, 30" LONG WITH PLASTIC ID 'CAP STAMPED "ODOT D-5")
  - × PK NAIL SET
- NOTE: ALL TREES TO BE REMOVED WITHIN THE CONSTRUCTION LIMITS.

REV.	DATE	DESCRIPTION

DATE OF COMPLETION: 1/15/99

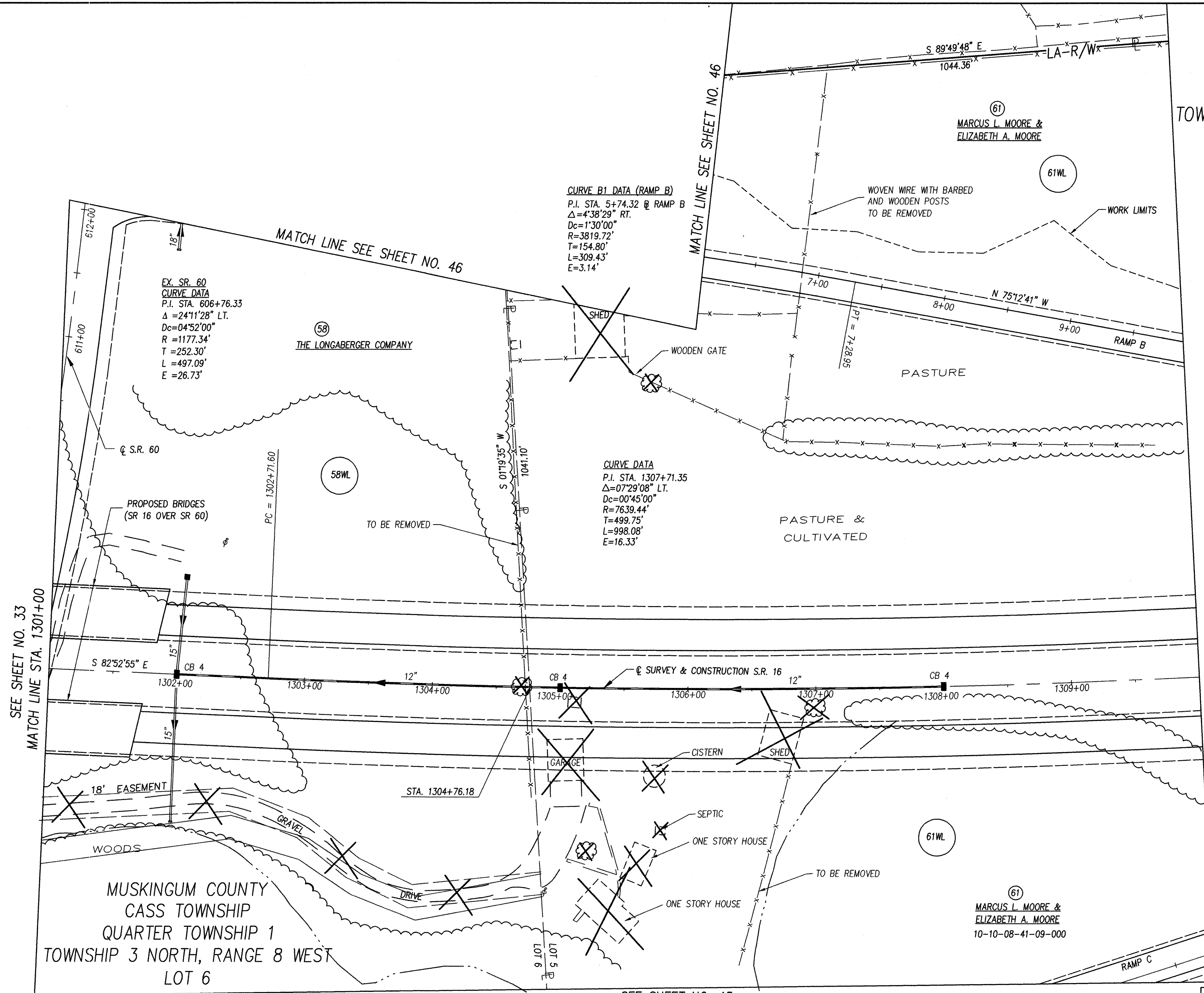
MUSKINGUM COUNTY  
CASS TOWNSHIP  
QUARTER TOWNSHIP 1  
TOWNSHIP 3 NORTH, RANGE 8 WEST  
LOT 5



PLD NO. 16299

RIGHT OF WAY PLAN  
STA. 1301+00 TO STA. 1310+00

MUS-16-7.16



EX. SR. 60  
CURVE DATA  
P.I. STA. 606+76.33  
Δ = 24°11'28" LT.  
Dc = 04°52'00"  
R = 1177.34'  
T = 252.30'  
L = 497.09'  
E = 26.73'

CURVE B1 DATA (RAMP B)  
P.I. STA. 5+74.32 @ RAMP B  
Δ = 4°38'29" RT.  
Dc = 1°30'00"  
R = 3819.72'  
T = 154.80'  
L = 309.43'  
E = 3.14'

CURVE DATA  
P.I. STA. 1307+71.35  
Δ = 07°29'08" LT.  
Dc = 00°45'00"  
R = 7639.44'  
T = 499.75'  
L = 998.08'  
E = 16.33'

MUSKINGUM COUNTY  
CASS TOWNSHIP  
QUARTER TOWNSHIP 1  
TOWNSHIP 3 NORTH, RANGE 8 WEST  
LOT 6

61  
MARCUS L. MOORE &  
ELIZABETH A. MOORE

58  
THE LONGBERGER COMPANY

61  
MARCUS L. MOORE &  
ELIZABETH A. MOORE  
10-10-08-41-09-000

- IP FOUND
- IP SET (3/4" IRON PIN, 30" LONG WITH PLASTIC ID CAP STAMPED "ODOT D-5")
- × PK NAIL SET

NOTE: ALL TREES TO BE REMOVED WITHIN THE CONSTRUCTION LIMITS.

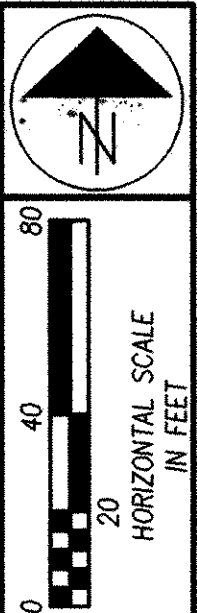
SEE SHEET NO. 33  
MATCH LINE STA. 1301+00

MATCH LINE STA. 1310+00  
SEE SHEET NO. 35

SEE SHEET NO. 44

SEE SHEET NO. 45

REV.	DATE	DESCRIPTION	34/51
			686
			703
DATE OF COMPLETION: 1/15/99			



PARCEL 60WL-1 60E  
PARCEL TIE-IN  
FROM POINT "D", THENCE N 54°05'37" E, 1311.44' TO THE POB.  
FROM POINT "D", THENCE N 75°23'01" E, 1085.91' TO THE POB.

POINT "D" INTERSECTION OF LOT LINES 5, 6, 15 AND 16 (STONE FOUND AND USED)  
STA. 1305+16.12, 577.22' RT.

MUSKINGUM COUNTY  
CASS TOWNSHIP  
QUARTER TOWNSHIP 1  
TOWNSHIP 3 NORTH, RANGE 8 WEST  
LOT 5

MUSKINGUM COUNTY  
CASS TOWNSHIP  
QUARTER TOWNSHIP 1  
TOWNSHIP 3 NORTH, RANGE 8 WEST  
LOT 4

61  
MARCUS L. MOORE &  
ELIZABETH A. MOORE

60  
HOWARD J. SIEGRIST, JANE A. SIEGRIST,  
MICHAEL W. SIEGRIST, & FAYEBELLE SIEGRIST

CURVE B2 DATA (RAMP B)  
P.I. STA. 17+52.08 @ RAMP B  
Δ=15°09'22" LT.  
Dc=1'30'00"  
R=3819.72'  
T=508.17'  
L=1010.41'  
E=33.65'

CURVE DATA  
P.I. STA. 1307+71.35  
Δ=07°29'08" LT.  
Dc=00'45'00"  
R=7639.44'  
T=499.75'  
L=998.08'  
E=16.33'

CURVE C2 DATA (RAMP C)  
P.I. STA. 315+01.89 @ RAMP C  
Δ=11°58'06" RT.  
Dc=2'00'00"  
R=2864.79'  
T=300.30'  
L=598.41'  
E=15.70'

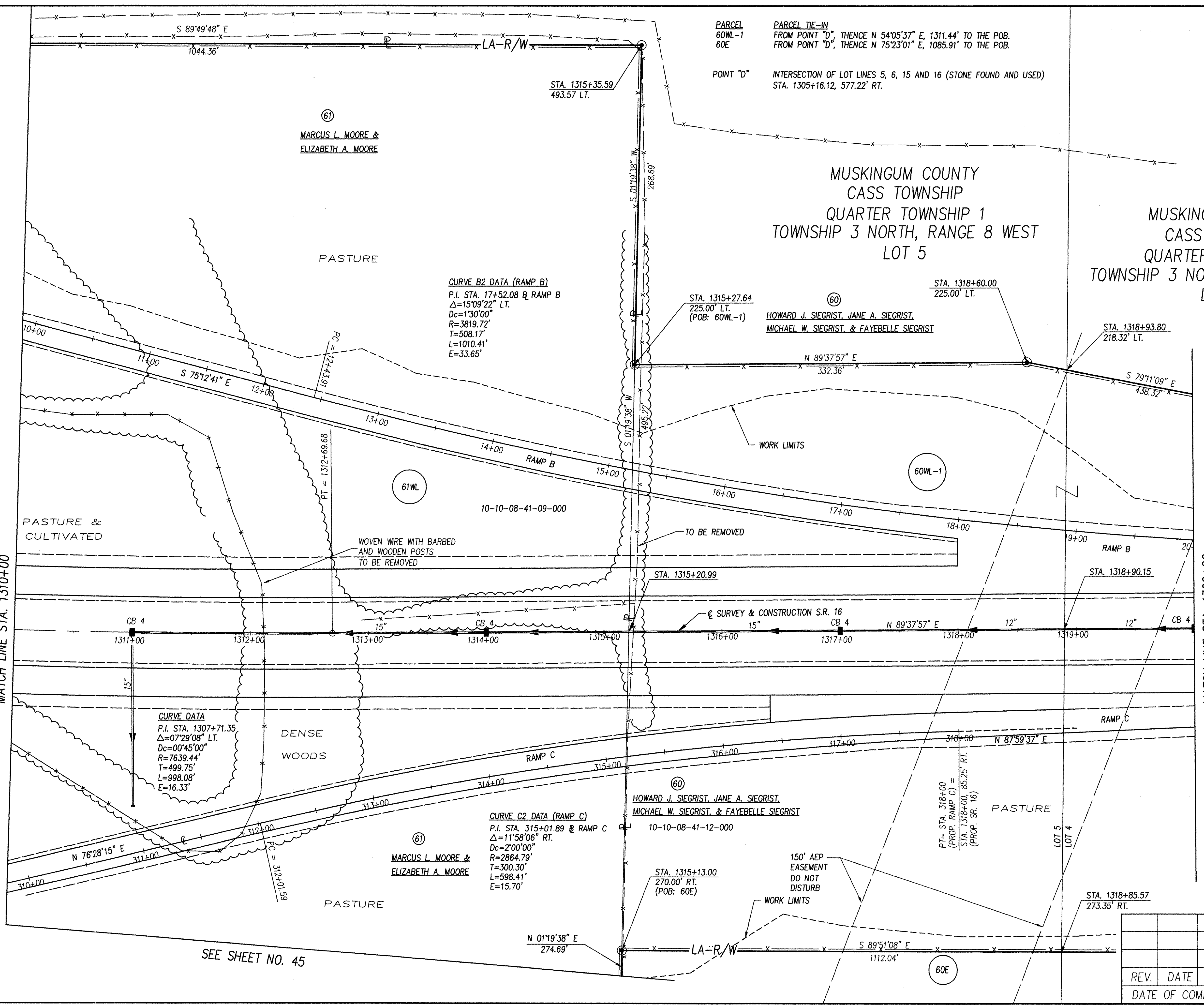
61  
MARCUS L. MOORE &  
ELIZABETH A. MOORE

60  
HOWARD J. SIEGRIST, JANE A. SIEGRIST,  
MICHAEL W. SIEGRIST, & FAYEBELLE SIEGRIST

- IP FOUND
- IP SET (3/4" IRON PIN, 30" LONG WITH PLASTIC ID CAP STAMPED "ODOT D-5")
- × PK NAIL SET

NOTE: ALL TREES TO BE REMOVED WITHIN THE CONSTRUCTION LIMITS.

REV.	DATE	DESCRIPTION
DATE OF COMPLETION: 1/15/99		

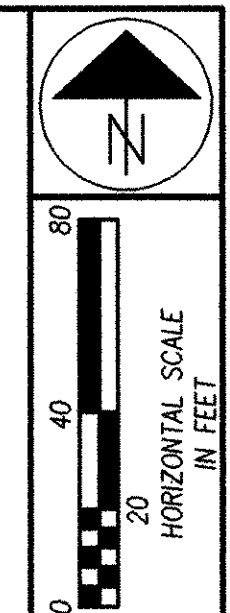


SEE SHEET NO. 34  
MATCH LINE STA. 1310+00

MATCH LINE STA. 1320+00  
SEE SHEET NO. 36

SEE SHEET NO. 45

MUSKINGUM COUNTY  
CASS TOWNSHIP  
QUARTER TOWNSHIP 1  
TOWNSHIP 3 NORTH, RANGE 8 WEST  
LOT 4

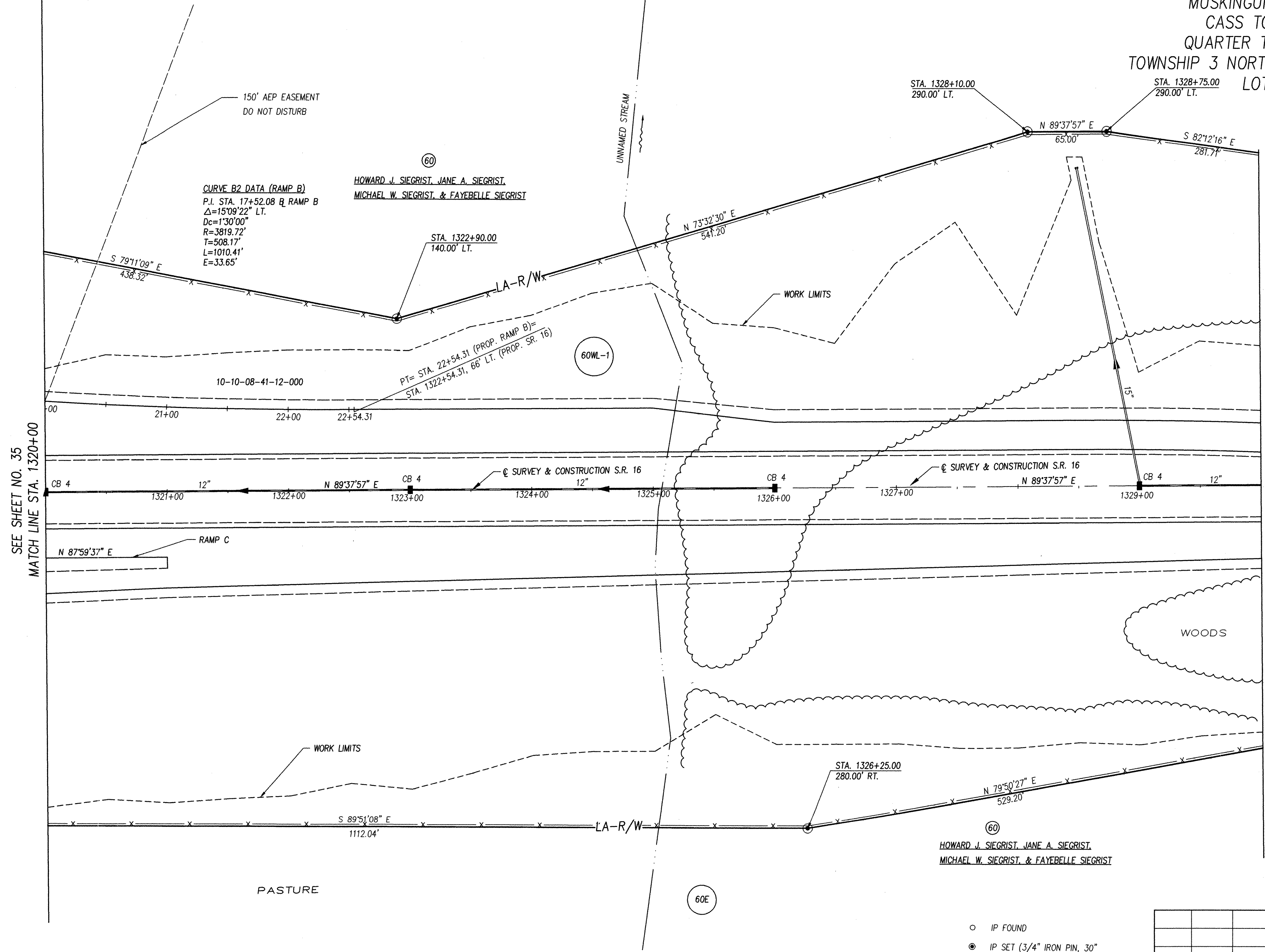


PID NO.  
16299

RIGHT OF WAY PLAN  
STA. 1320+00 TO STA. 1330+00

MUS-16-7.16

36/51  
688  
703



CURVE B2 DATA (RAMP B)  
P.I. STA. 17+52.08 @ RAMP B  
Δ=15°09'22" LT.  
Dc=1'30'00"  
R=3819.72'  
T=508.17'  
L=1010.41'  
E=33.65'

HOWARD J. SIEGRIST, JANE A. SIEGRIST,  
MICHAEL W. SIEGRIST, & FAYEBELLE SIEGRIST

STA. 1322+90.00  
140.00' LT.

PT= STA. 22+54.31 (PROP. RAMP B)=  
STA. 1322+54.31, 66' LT. (PROP. SR. 16)

STA. 1328+10.00  
290.00' LT.

STA. 1328+75.00  
290.00' LT.

STA. 1326+25.00  
280.00' RT.

HOWARD J. SIEGRIST, JANE A. SIEGRIST,  
MICHAEL W. SIEGRIST, & FAYEBELLE SIEGRIST

SEE SHEET NO. 35  
MATCH LINE STA. 1320+00

MATCH LINE STA. 1330+00  
SEE SHEET NO. 37

NOTE: ALL TREES TO BE REMOVED  
WITHIN THE CONSTRUCTION LIMITS.

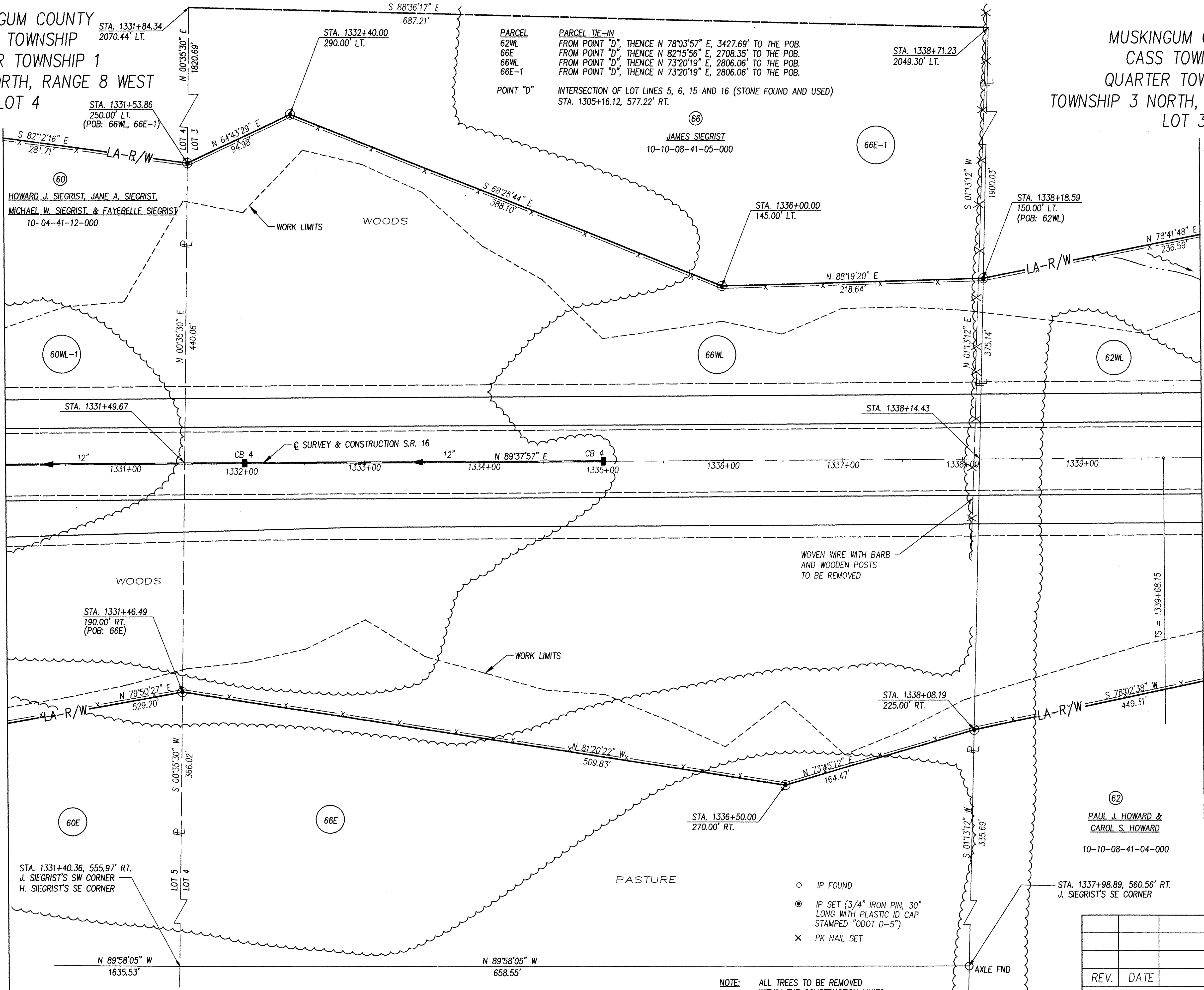
- IP FOUND
- IP SET (3/4" IRON PIN, 30" LONG WITH PLASTIC ID CAP STAMPED "ODOT D-5")
- × PK NAIL SET

REV.	DATE	DESCRIPTION
DATE OF COMPLETION: 1/15/99		

MUSKINGUM COUNTY  
 CASS TOWNSHIP  
 QUARTER TOWNSHIP 1  
 TOWNSHIP 3 NORTH, RANGE 8 WEST  
 LOT 4

MUSKINGUM COUNTY  
 CASS TOWNSHIP  
 QUARTER TOWNSHIP 1  
 TOWNSHIP 3 NORTH, RANGE 8 WEST  
 LOT 3

R1001757



PARCEL 62WL  
 66E  
 66WL  
 66E-1  
 POINT "D"  
 PARCEL TIE-IN  
 FROM POINT "D", THENCE N 78°03'57" E, 3427.69' TO THE POB.  
 FROM POINT "D", THENCE N 82°15'56" E, 2708.35' TO THE POB.  
 FROM POINT "D", THENCE N 73°20'19" E, 2806.06' TO THE POB.  
 FROM POINT "D", THENCE N 73°20'19" E, 2806.06' TO THE POB.  
 INTERSECTION OF LOT LINES 5, 6, 15 AND 16 (STONE FOUND AND USED)  
 STA. 1305+16.12, 577.22' RT.

CURVE DATA:  
 P.I. STA. 1348+54.50  
 $\Delta = 34^\circ 27' 25''$   
 $\Delta c = 25^\circ 42' 25''$   
 $Dc = 02^\circ 30' 00''$   
 $R = 2291.83'$   
 $Ls = 350.00'$   
 $LT = 233.40'$   
 $ST = 116.73'$   
 $\theta_s = 4^\circ 22' 30''$   
 $Ts = 886.35'$   
 $Es = 109.99'$   
 $Lc = 1028.28'$   
 $e_{max} = -0.0690$

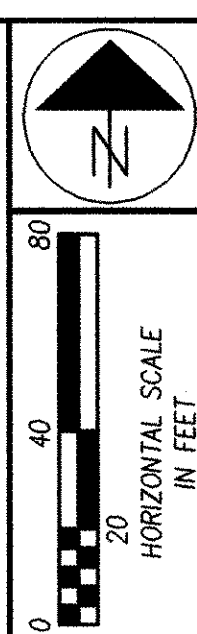
- IP FOUND
- IP SET (3/4" IRON PIN, 30" LONG WITH PLASTIC ID CAP STAMPED "ODOT D-5")
- × PK NAIL SET

NOTE: ALL TREES TO BE REMOVED WITHIN THE CONSTRUCTION LIMITS.

REV.	DATE	DESCRIPTION
DATE OF COMPLETION: 1/15/99		

G:\DWG\DEPT\ASR16\VM\SECT3\PLAN\313\37.dwg Mon May 10 13:16:53 1999

RESOURCE INTERNATIONAL, INC.  
 PROJECT NO. W-5501



PID NO. 16299

RIGHT OF WAY PLAN  
 STA. 1330+00 TO STA. 1340+00

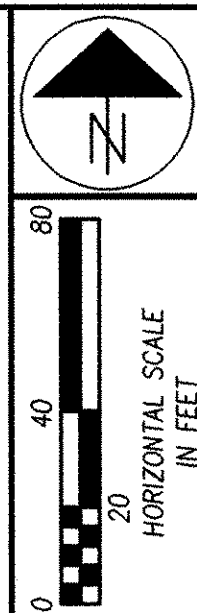
MUS-16-7.16

37/51

689  
 703

MUSKINGUM COUNTY  
CASS TOWNSHIP  
QUARTER TOWNSHIP 1  
TOWNSHIP 3 NORTH, RANGE 8 WEST  
LOT 2

MUSKINGUM COUNTY  
CASS TOWNSHIP  
QUARTER TOWNSHIP 1  
TOWNSHIP 3 NORTH, RANGE 8 WEST  
LOT 3



PID NO.  
16299

RIGHT OF WAY PLAN  
STA. 1340+00 TO STA. 1350+00

MUS-16-7.16

STA. 1340+50.00  
195.00' LT.

62  
PAUL J. HOWARD &  
CAROL S. HOWARD  
10-10-08-41-04-000

62  
PAUL J. HOWARD &  
CAROL S. HOWARD  
10-10-08-41-13-000

STA. 1344+72.17  
165.15' LT.

POINT OF ACCESS  
STA. 1347+00.00, 186.72' LT.

STA. 1347+10.00  
190.00' LT

STA. 1349+55.00  
200.00' LT.

N 78°41'48" E  
236.59'

S 83°38'00" E  
704.70'

S 75°17'10" E  
265.91'

S 83°13'55" E  
329.51'

CB 4  
1341+00

CB 4  
1343+00

CB 4  
1346+00

CB 4  
1349+00

STA. 1342+55.00  
130.00' RT.

STA. 1344+93.24

STA. 1345+18.33  
169.63' RT.

POINT OF ACCESS  
STA. 1346+67.02, 178.21' RT.

STA. 1348+10.00  
180.00' RT.

CURVE DATA:

P.I. STA. 1348+54.50  
 $\Delta=34^{\circ}27'25''$   
 $\Delta c=25^{\circ}42'25''$   
 $Dc=02^{\circ}30'00''$   
 $R=2291.83'$   
 $Ls=350.00'$   
 $LT=233.40'$   
 $ST=116.73'$   
 $\theta s=4^{\circ}22'30''$   
 $Ts=886.35'$   
 $Es=109.99'$   
 $Lc=1028.28'$   
 $e_{max}=-0.0690$

- IP FOUND
- IP SET (3/4" IRON PIN, 30" LONG WITH PLASTIC ID CAP STAMPED "ODOT D-5")
- × PK NAIL SET

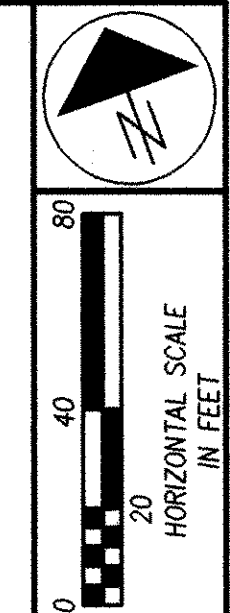
NOTE: ALL TREES TO BE REMOVED WITHIN THE CONSTRUCTION LIMITS.

SEE SHEET NO. 37  
MATCH LINE STA. 1340+00

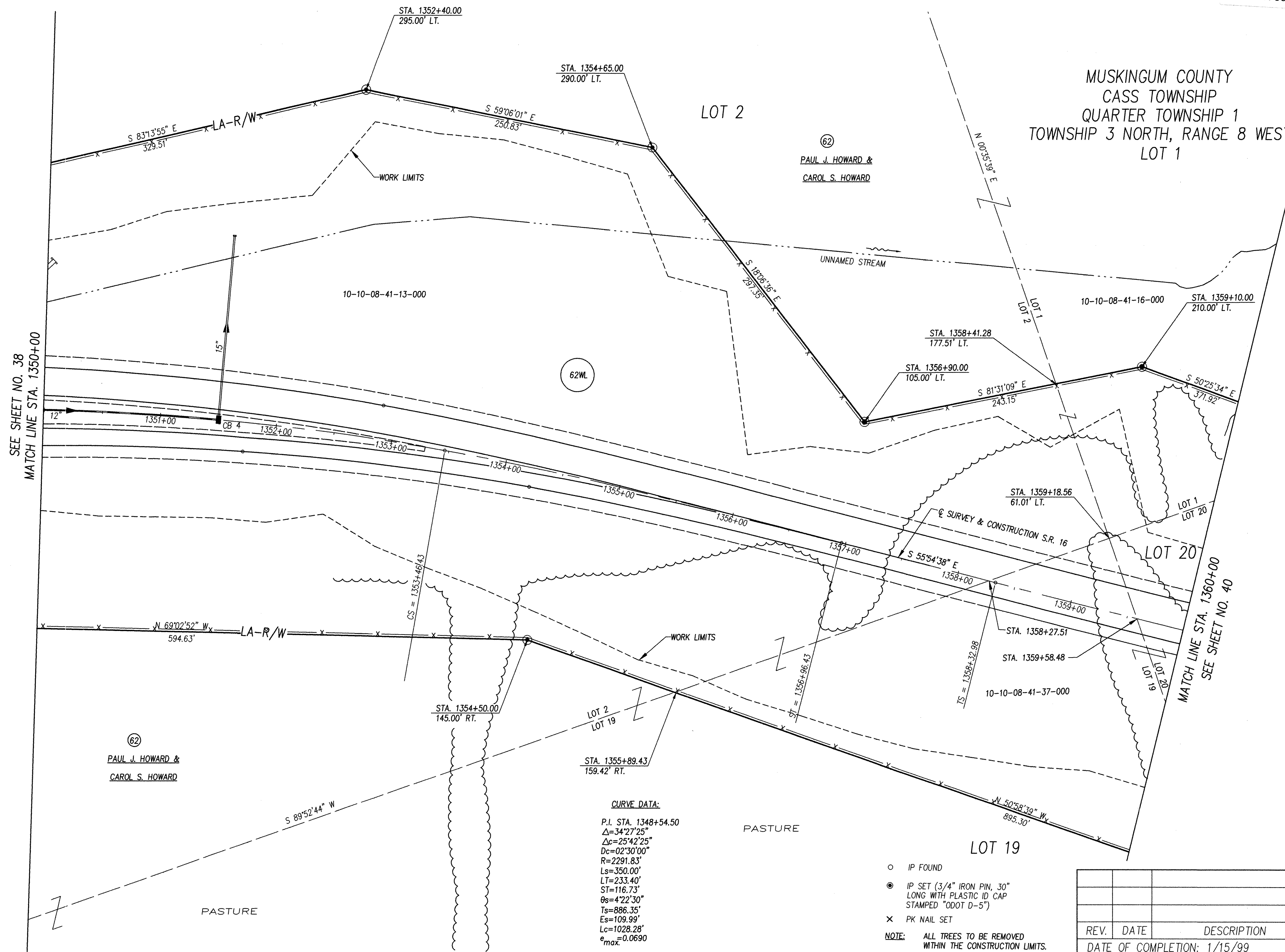
MATCH LINE STA. 1350+00  
SEE SHEET NO. 39

REV.	DATE	DESCRIPTION
DATE OF COMPLETION: 1/15/99		

38/51  
690  
703



MUSKINGUM COUNTY  
CASS TOWNSHIP  
QUARTER TOWNSHIP 1  
TOWNSHIP 3 NORTH, RANGE 8 WEST  
LOT 1



SEE SHEET NO. 38  
MATCH LINE STA. 1350+00

MATCH LINE STA. 1360+00  
SEE SHEET NO. 40

**CURVE DATA:**  
P.I. STA. 1348+54.50  
 $\Delta = 34^{\circ}27'25''$   
 $\Delta c = 25^{\circ}42'25''$   
 $Dc = 02^{\circ}30'00''$   
 $R = 2291.83'$   
 $Ls = 350.00'$   
 $LT = 233.40'$   
 $ST = 116.73'$   
 $\theta s = 4^{\circ}22'30''$   
 $Ts = 886.35'$   
 $Es = 109.99'$   
 $Lc = 1028.28'$   
 $e_{max} = 0.0690$

- IP FOUND
- IP SET (3/4" IRON PIN, 30" LONG WITH PLASTIC ID CAP STAMPED "ODOT D-5")
- × PK NAIL SET

NOTE: ALL TREES TO BE REMOVED WITHIN THE CONSTRUCTION LIMITS.

PAUL J. HOWARD &  
CAROL S. HOWARD

PID NO.  
16299

RIGHT OF WAY PLAN  
STA. 1350+00 TO STA. 1360+00

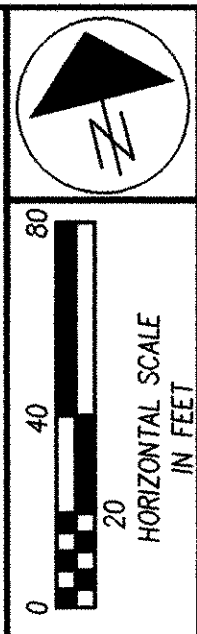
MUS-16-7.16

REV.	DATE	DESCRIPTION

39/51

691  
703





MUSKINGUM COUNTY  
CASS TOWNSHIP  
QUARTER TOWNSHIP 1  
TOWNSHIP 3 NORTH, RANGE 8 WEST  
LOT 20

PAUL J. HOWARD &  
CAROL S. HOWARD

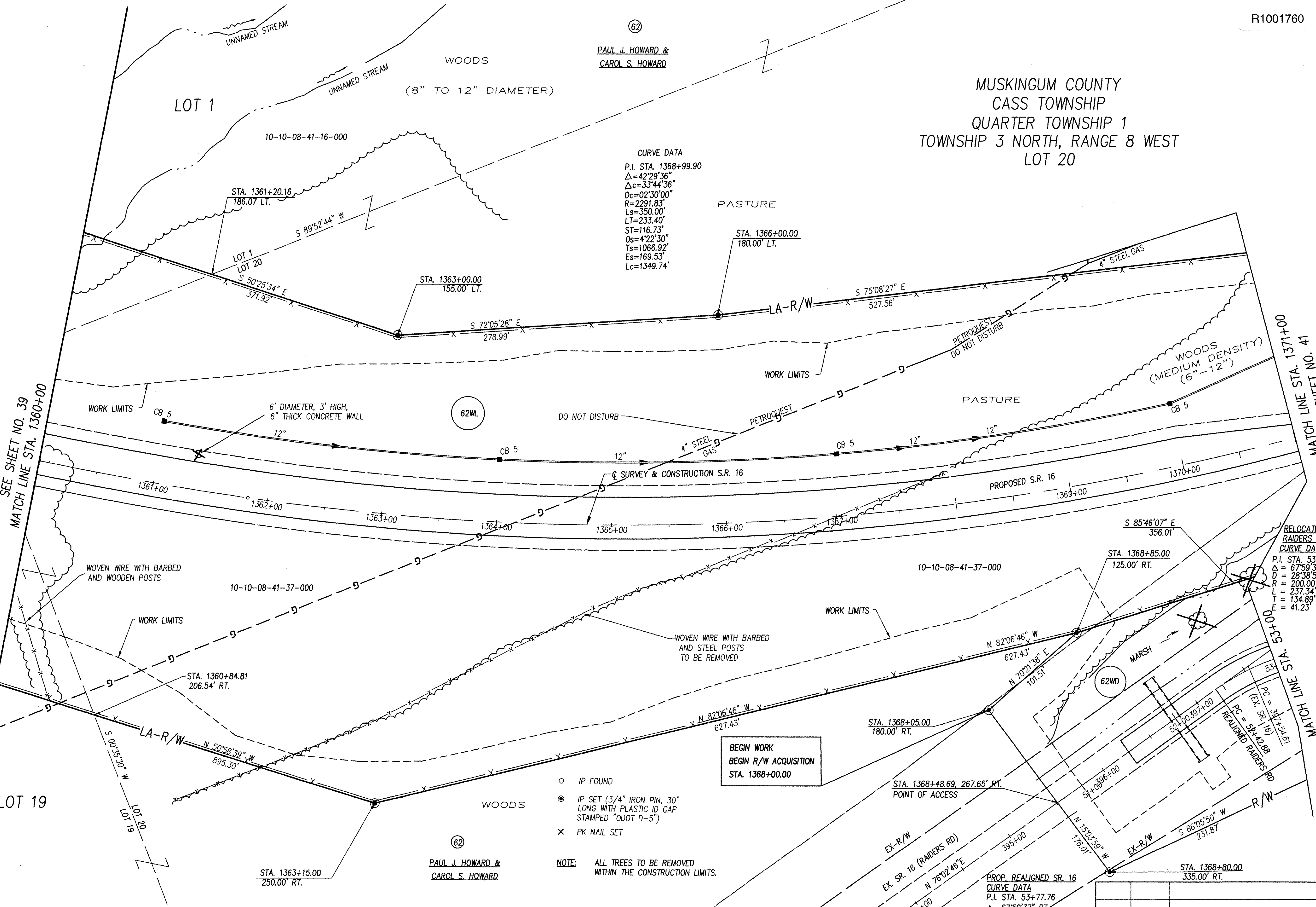
CURVE DATA  
P.I. STA. 1368+99.90  
Δ=42°29'36"  
ΔC=33°44'36"  
Dc=02°30'00"  
R=2291.83'  
Ls=350.00'  
LT=233.40'  
ST=116.73'  
Os=4°22'30"  
Ts=1066.92'  
Es=169.53'  
Lc=1349.74'

PID NO.  
16299

RIGHT OF WAY PLAN  
STA. 1360+00 TO 1371+00

MUS-16-7.16

40/51  
692  
703



- IP FOUND
- IP SET (3/4" IRON PIN, 30" LONG WITH PLASTIC ID CAP STAMPED "ODOT D-5")
- × PK NAIL SET

NOTE: ALL TREES TO BE REMOVED WITHIN THE CONSTRUCTION LIMITS.

BEGIN WORK  
BEGIN R/W ACQUISITION  
STA. 1368+00.00

PROP. REALIGNED SR. 16  
CURVE DATA  
P.I. STA. 53+77.76  
Δ=67°59'37" RT.  
Dc=28°38'52"  
R=200.00'  
L=237.34'  
T=134.89'  
E=41.23'

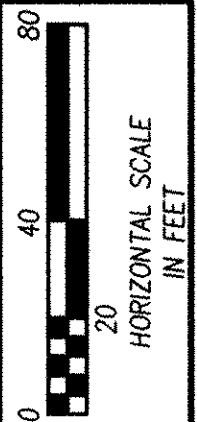
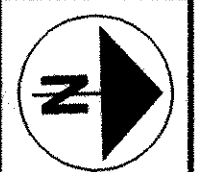
RELOCATED RAIDERS RD  
CURVE DATA  
P.I. STA. 53+77.76  
Δ=67°59'37" RT.  
Dc=28°38'52"  
R=200.00'  
L=237.34'  
T=134.89'  
E=41.23'

REV.	DATE	DESCRIPTION
DATE OF COMPLETION: 1/15/99		

RESOURCE INTERNATIONAL INC  
PROJECT NO. W-5201

6: D:\MS\DEPT4\SR16\SR16\SECT3\SR16PLAN\37140.dwg P1 Jun 18 06:37:13 1999



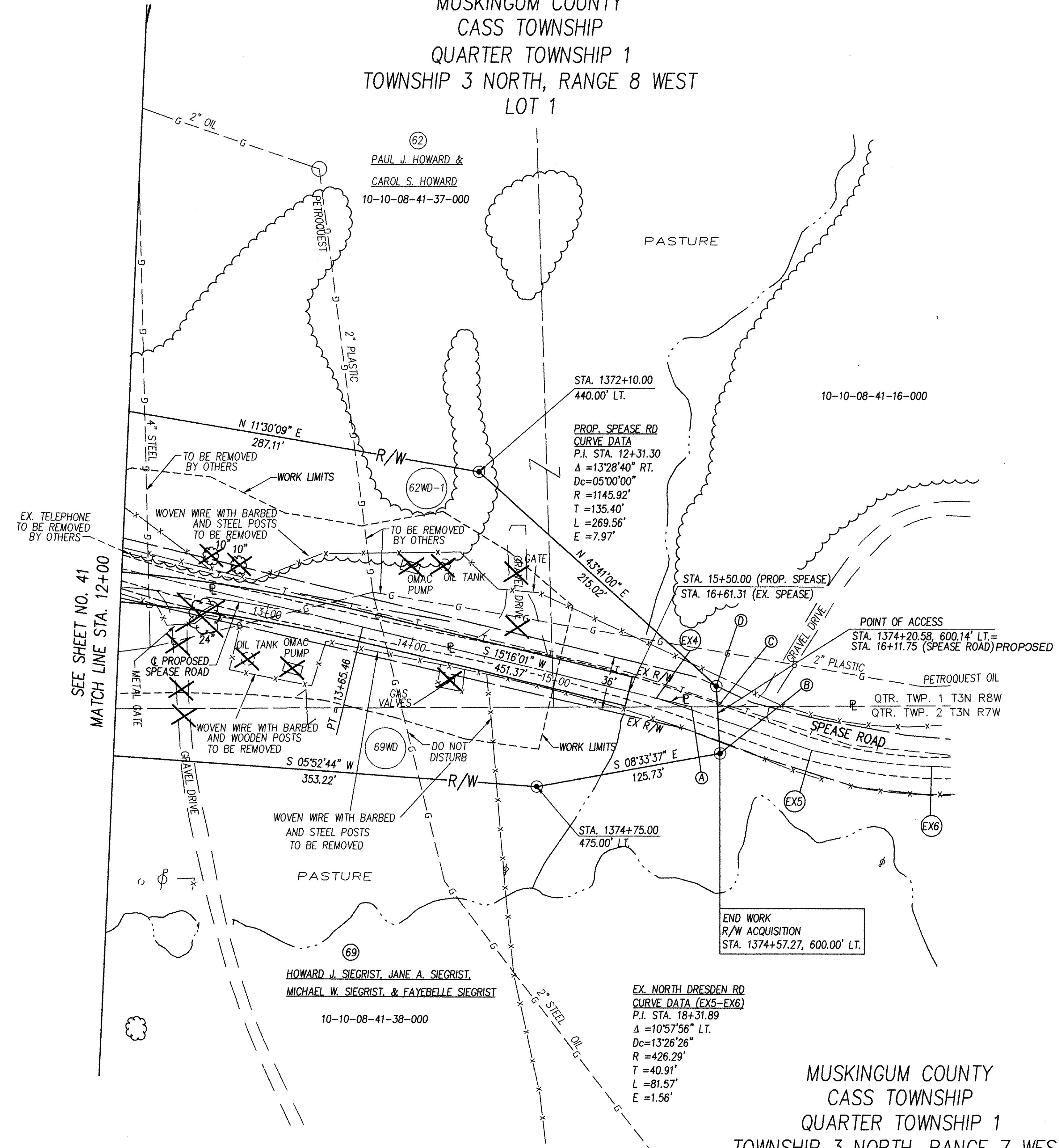


PID NO. 16299

RIGHT OF WAY PLAN  
STA. 12+00 TO STA. 16+11.75

MUS-16-7.16

MUSKINGUM COUNTY  
CASS TOWNSHIP  
QUARTER TOWNSHIP 1  
TOWNSHIP 3 NORTH, RANGE 8 WEST  
LOT 1



EX. SPEASE ROAD

PT.	STATION	BEARING
EX4	16+82.52	AH. N20°16'21"E
EX5	PC=17+90.98	
EX6	PT=18+72.55	AH. N03°48'55"E

- (A) STA. 1374+13.47, 582.22' LT.
- (B) STA. 1374+57.27, 600.00' LT.
- (C) STA. 1374+14.59, 600.13' LT.
- (D) STA. 1373+96.05, 600.00' LT.

- AC S 01°35'57" W, 17.93'
- BC S 88°37'22" W, 31.51'
- CD N 88°37'21" E, 13.69'

- IP FOUND
- IP SET (3/4" IRON PIN, 30" LONG WITH PLASTIC ID CAP STAMPED "ODOT D-5")
- × PK NAIL SET

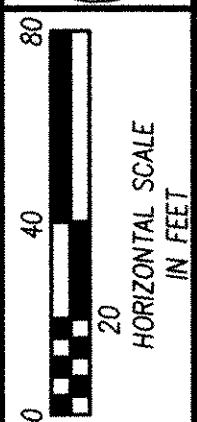
NOTE: ALL TREES TO BE REMOVED WITHIN THE CONSTRUCTION LIMITS.

MUSKINGUM COUNTY  
CASS TOWNSHIP  
QUARTER TOWNSHIP 1  
TOWNSHIP 3 NORTH, RANGE 7 WEST

REV.	DATE	DESCRIPTION
DATE OF COMPLETION: 1/15/99		

42/51

694  
703



PID NO. 16299

RIGHT OF WAY PLAN  
STA. 586+00 TO STA. 599+00

MUS-16-7.16

43/51

695  
703

### CASS TOWNSHIP MUSKINGUM COUNTY TOWNSHIP 3 NORTH, RANGE 8 WEST QUARTER TOWNSHIP 1 LOT 14

STATE OF OHIO

**PARCEL**  
67WD  
57A WD  
57A WV-1

**PARCEL TIE-IN**  
FROM POINT "D", THENCE S 54°33'47" W, 1195.09' TO THE POB.  
FROM POINT "D", THENCE S 62°32'12" E, 1152.28' TO THE POB.  
FROM POINT "D", THENCE S 58°42'37" W, 1264.94' TO THE POB.  
FROM POINT "D", THENCE S 58°42'37" W, 1264.94' TO THE POB.

POINT "D" INTERSECTION OF LOT LINES 5, 6, 15 AND 16 (STONE FOUND AND USED)  
STA. 1305+16.12, 577.22' RT.

BEGIN WORK  
STA. 590+20.00

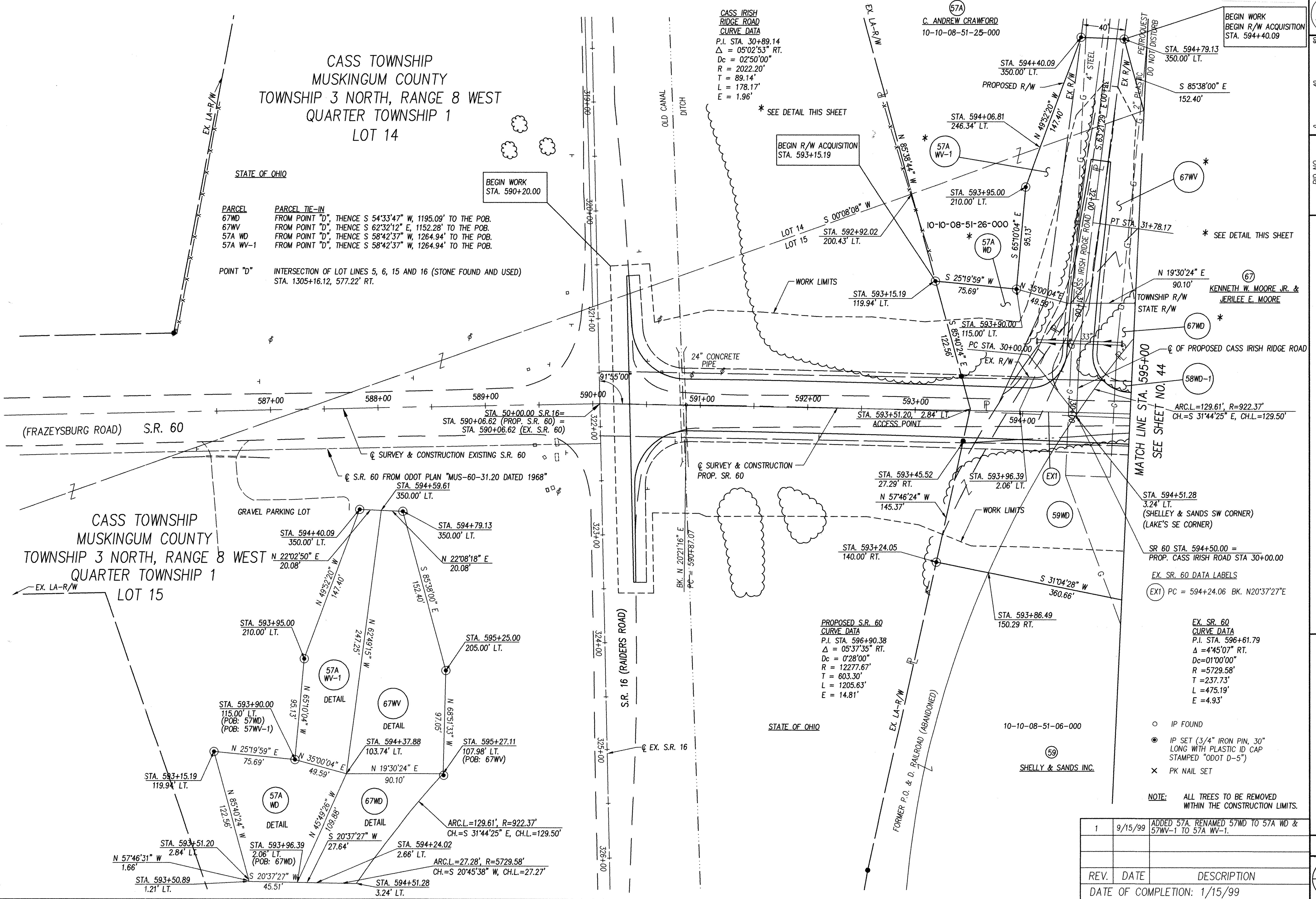
**CASS IRISH  
RIDGE ROAD  
CURVE DATA**  
P.I. STA. 30+89.14  
 $\Delta = 05^{\circ}02'53''$  RT.  
Dc = 02'50'00"  
R = 2022.20'  
T = 89.14'  
L = 178.17'  
E = 1.96'

\* SEE DETAIL THIS SHEET

BEGIN R/W ACQUISITION  
STA. 593+15.19

(57A)  
C. ANDREW CRAWFORD  
10-10-08-51-25-000

BEGIN WORK  
BEGIN R/W ACQUISITION  
STA. 594+40.09



**PROPOSED S.R. 60  
CURVE DATA**  
P.I. STA. 596+90.38  
 $\Delta = 05^{\circ}37'35''$  RT.  
Dc = 0'28'00"  
R = 12277.67'  
T = 603.30'  
L = 1205.63'  
E = 14.81'

ARC.L=129.61', R=922.37'  
CH.=S 31°44'25" E, CH.L.=129.50'

SR 60 STA. 594+50.00 =  
PROP. CASS IRISH ROAD STA 30+00.00

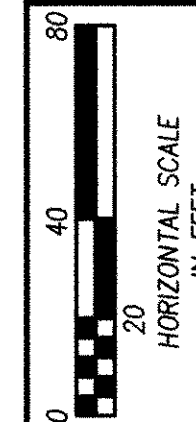
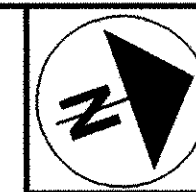
EX. SR. 60 DATA LABELS  
(EX1) PC = 594+24.06 BK. N20°37'27"E

**EX. SR. 60  
CURVE DATA**  
P.I. STA. 596+61.79  
 $\Delta = 4^{\circ}45'07''$  RT.  
Dc=01'00'00"  
R = 5729.58'  
T = 237.73'  
L = 475.19'  
E = 4.93'

- IP FOUND
- IP SET (3/4" IRON PIN, 30" LONG WITH PLASTIC ID CAP STAMPED "ODOT D-5")
- × PK NAIL SET

NOTE: ALL TREES TO BE REMOVED WITHIN THE CONSTRUCTION LIMITS.

1	9/15/99	ADDED 57A. RENAMED 57WD TO 57A WD & 57WV-1 TO 57A WV-1.
REV.	DATE	DESCRIPTION
DATE OF COMPLETION: 1/15/99		



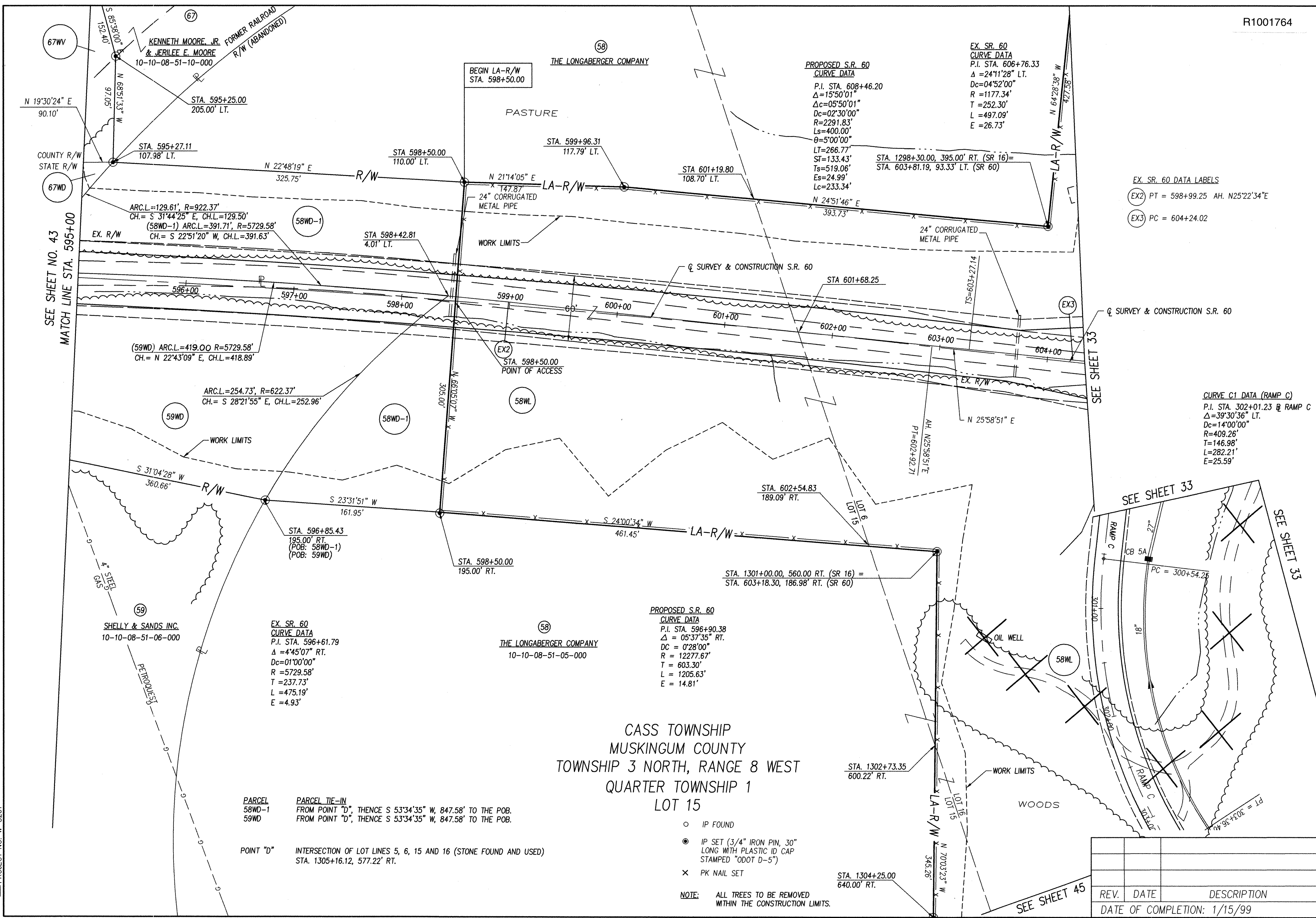
PID NO. 16299

RIGHT OF WAY PLAN  
STA. 595+00 TO STA. 604+00

MUS-16-7.16

44/51

695  
703



SEE SHEET NO. 43  
MATCH LINE STA. 595+00

SEE SHEET 33

SEE SHEET 33

SEE SHEET 45

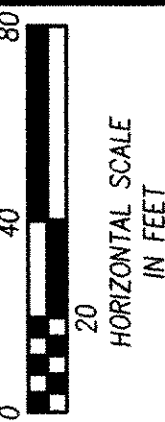
CASS TOWNSHIP  
MUSKINGUM COUNTY  
TOWNSHIP 3 NORTH, RANGE 8 WEST  
QUARTER TOWNSHIP 1  
LOT 15

PARCEL 58WD-1  
59WD  
PARCEL TIE-IN FROM POINT "D", THENCE S 53°34'35" W, 847.58' TO THE POB.  
FROM POINT "D", THENCE S 53°34'35" W, 847.58' TO THE POB.  
POINT "D" INTERSECTION OF LOT LINES 5, 6, 15 AND 16 (STONE FOUND AND USED)  
STA. 1305+16.12, 577.22' RT.

- IP FOUND
- IP SET (3/4" IRON PIN, 30" LONG WITH PLASTIC ID CAP STAMPED "ODOT D-5")
- × PK NAIL SET

NOTE: ALL TREES TO BE REMOVED WITHIN THE CONSTRUCTION LIMITS.

REV.	DATE	DESCRIPTION
DATE OF COMPLETION: 1/15/99		



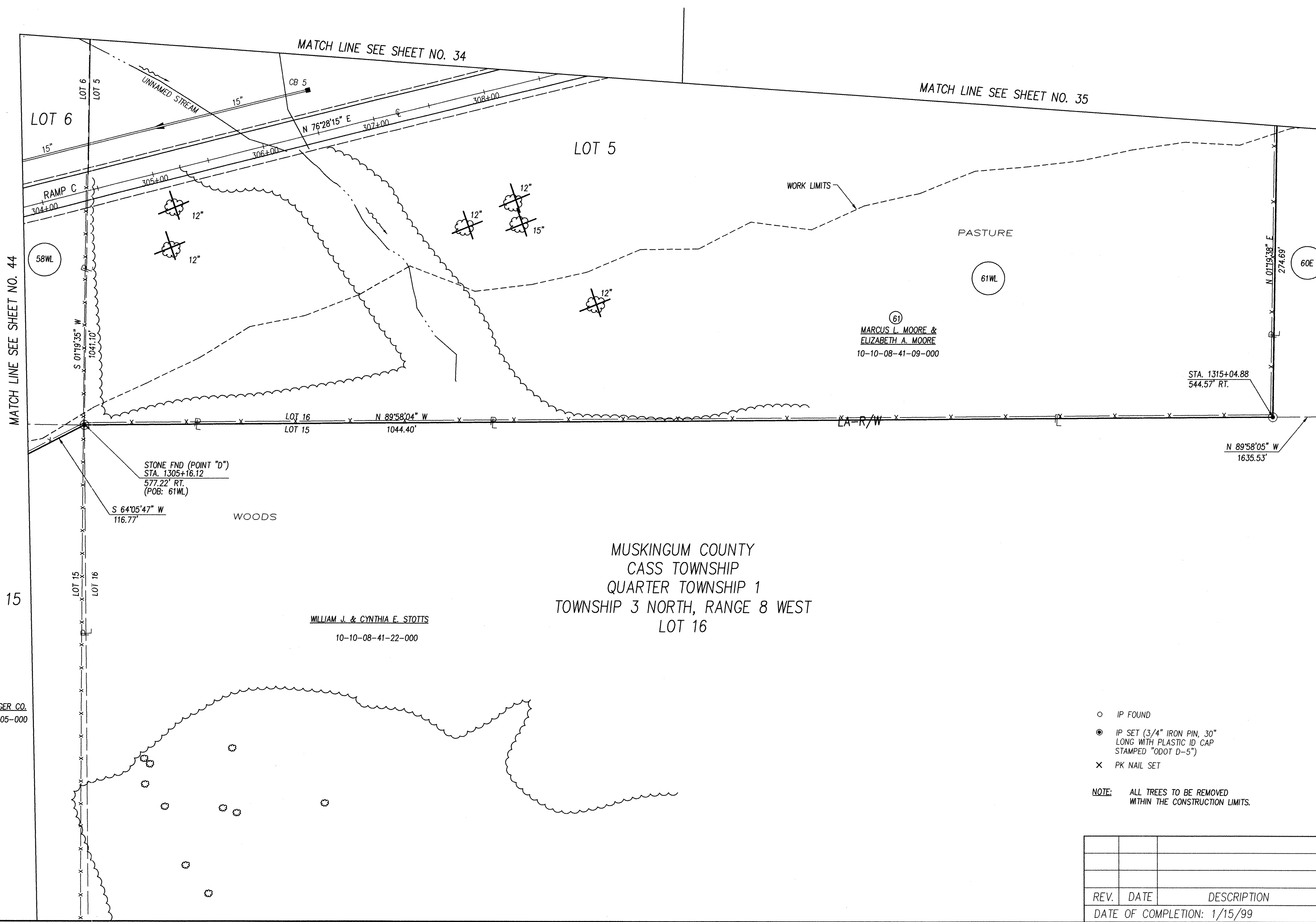
PID NO. 16299

RIGHT OF WAY PLAN SOUTH EAST CORNER S.R. 16 & S.R. 60 INTERCHANGE

MUS-16-7.16

45/51

697  
703



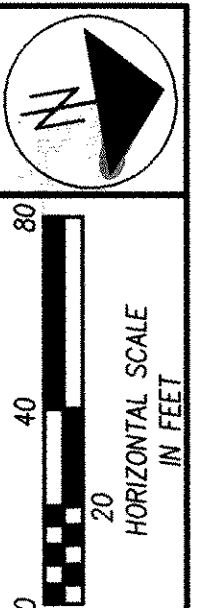
- IP FOUND
  - IP SET (3/4" IRON PIN, 30" LONG WITH PLASTIC ID CAP STAMPED "ODOT D-5")
  - × PK NAIL SET
- NOTE: ALL TREES TO BE REMOVED WITHIN THE CONSTRUCTION LIMITS.

REV.	DATE	DESCRIPTION
DATE OF COMPLETION: 1/15/99		

6: \DWG\DEPT 4\SR16\PM SECT 3\PM PLAN\31745.dwg Plot MAY 10 13:24:37 1999

RESOURCE INTERNATIONAL INC  
PROJECT NO. W-5201

CASS TOWNSHIP  
MUSKINGUM COUNTY  
TOWNSHIP 3 NORTH, RANGE 8 WEST  
QUARTER TOWNSHIP 1  
LOT 6



PID NO. 16299

RIGHT OF WAY PLAN  
STA. 611+00 TO STA. 621+00

MUS-16-7.16

46/51  
698  
703

PARCEL 58WD FROM POINT "D", THENCE N 07°56'47" W, 1559.60' TO THE POB.  
58WL FROM POINT "D", THENCE N 07°56'47" W, 1559.60' TO THE POB.  
60WD FROM POINT "D", THENCE N 07°56'47" W, 1559.60' TO THE POB.  
60WL FROM POINT "D", THENCE N 07°56'47" W, 1559.60' TO THE POB.  
POINT "D" INTERSECTION OF LOT LINES 5, 6, 15 AND 16 (STONE FOUND AND USED)  
STA. 1305+16.12, 577.22' RT.

THE LONGBERGER CO.  
10-10-08-51-07-000

PROPOSED S.R. 60  
CURVE DATA  
P.I. STA. 620+07.47  
Δ=9°43'06" LT  
Dc=04°58'54"  
R=1150.15'  
T=97.78'  
L=195.85'  
E=4.15'

EX. SR. 60  
CURVE DATA  
P.I. STA. 619+03.90  
Δ=28°39'30" LT  
Dc=07°25'08"  
R=772.29'  
T=197.27'  
L=386.29'  
E=24.80'

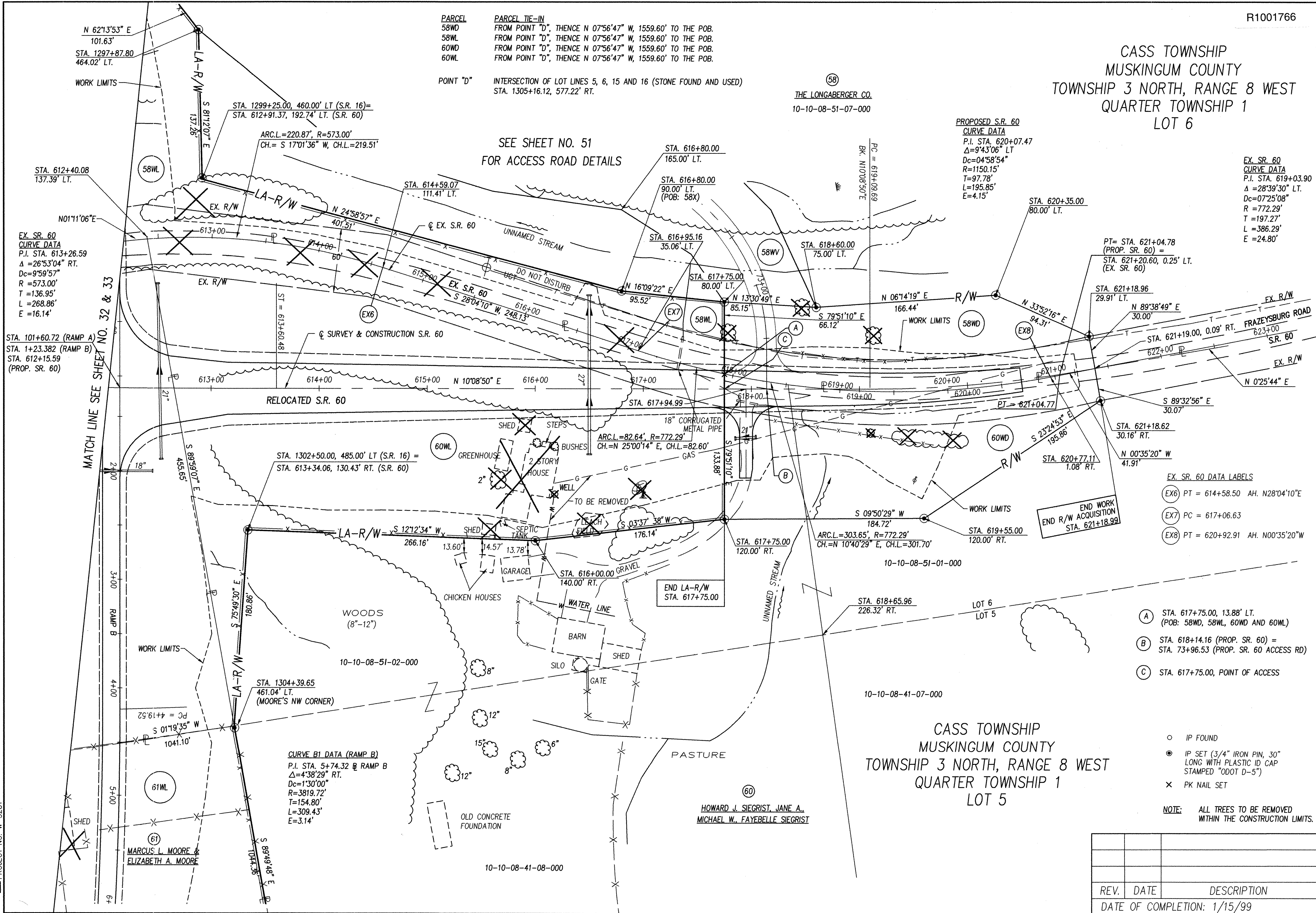
EX. SR. 60 DATA LABELS  
(EX6) PT = 614+58.50 AH. N28°04'10"E  
(EX7) PC = 617+06.63  
(EX8) PT = 620+92.91 AH. N00°35'20"W

(A) STA. 617+75.00, 13.88' LT.  
(POB: 58WD, 58WL, 60WD AND 60WL)  
(B) STA. 618+14.16 (PROP. SR. 60) =  
STA. 73+96.53 (PROP. SR. 60 ACCESS RD)  
(C) STA. 617+75.00, POINT OF ACCESS

○ IP FOUND  
● IP SET (3/4" IRON PIN, 30" LONG WITH PLASTIC ID CAP STAMPED "ODOT D-5")  
× PK NAIL SET

NOTE: ALL TREES TO BE REMOVED WITHIN THE CONSTRUCTION LIMITS.

SEE SHEET NO. 51  
FOR ACCESS ROAD DETAILS



CURVE B1 DATA (RAMP B)  
P.I. STA. 5+74.32 @ RAMP B  
Δ=4°38'29" RT.  
Dc=1°30'00"  
R=3819.72'  
T=154.80'  
L=309.43'  
E=3.14'

EX. SR. 60  
CURVE DATA  
P.I. STA. 613+26.59  
Δ=26°53'04" RT.  
Dc=9°59'57"  
R=573.00'  
T=136.95'  
L=268.86'  
E=16.14'

STA. 101+60.72 (RAMP A)  
STA. 1+23.382 (RAMP B)  
STA. 612+15.59 (PROP. SR. 60)

MATCH LINE SEE SHEET NO. 32 & 33

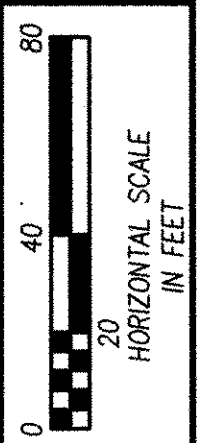
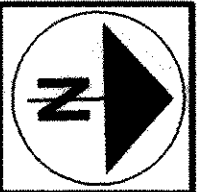
END WORK  
END R/W ACQUISITION  
STA. 621+18.99

END LA-R/W  
STA. 617+75.00

RESOURCE INTERNATIONAL, INC.  
PROJECT NO. W-5201

G:\DWG\DEPT4\SR616\HW\SECT3\DWPL\AN\3r\46.dwg Mon Jun 28 07:41:24 1999

MUSKINGUM COUNTY  
CASS TOWNSHIP  
TOWNSHIP 3 NORTH, RANGE 8 WEST  
LOT 9



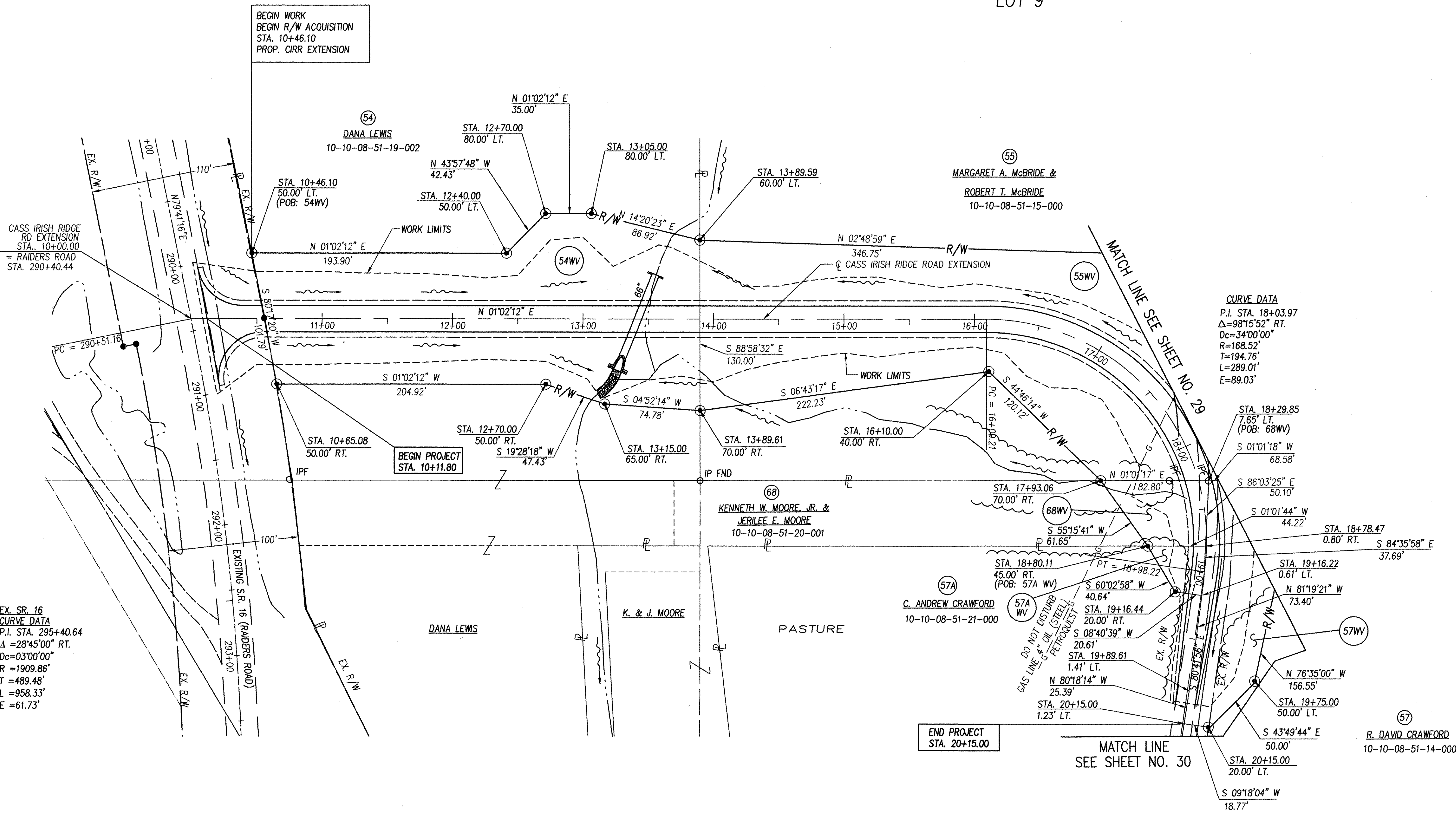
PID NO.  
16299

RIGHT OF WAY PLAN  
CASS IRISH RIDGE ROAD EXTENSION

MUS-16-7.16

47/51

699  
703



**CURVE DATA**  
 P.I. STA. 18+03.97  
 $\Delta=98^{\circ}15'52''$  RT.  
 $D_c=34^{\circ}00'00''$   
 $R=168.52'$   
 $T=194.76'$   
 $L=289.01'$   
 $E=89.03'$

**EX. SR. 16  
CURVE DATA**  
 P.I. STA. 295+40.64  
 $\Delta=28^{\circ}45'00''$  RT.  
 $D_c=03^{\circ}00'00''$   
 $R=1909.86'$   
 $T=489.48'$   
 $L=958.33'$   
 $E=61.73'$

**PARCEL**  
 68WV  
 54WV  
 57A WV

**PARCEL TIE-IN**  
 FROM POINT "C", THENCE N 01°01'17" E, 389.78' TO THE POB.  
 FROM POINT "C", THENCE S 27°46'57" W, 384.68' TO THE POB.  
 FROM POINT "C", THENCE N 09°19'11" E, 346.64' TO THE POB.

**POINT "C"**  
 INTERSECTION OF LOT LINES 8, 9, 12 AND 13 (IP FOUND AND USED)  
 STA. 1261+63.45, 596.02' RT.

- IP FOUND
- IP SET (3/4" IRON PIN, 30" LONG WITH PLASTIC ID CAP STAMPED "ODOT D-5")
- × PK NAIL SET

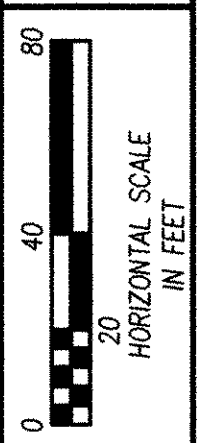
**NOTE:** ALL TREES TO BE REMOVED WITHIN THE CONSTRUCTION LIMITS.

1	9/15/99	REVISED PROPERTY OWNER OF 57. REVISED 57WV. ADDED 57A. ADDED 57AWV.
REV.	DATE	DESCRIPTION
DATE OF COMPLETION: 1/15/99		

M:\JEWITFER\work\sect3\wp1\an\3m47.dwg Thu Sep 16 08:19:23 1999

RESOURCE INTERNATIONAL INC.  
PROJECT NO. W-5201





PID NO.  
16299

RIGHT OF WAY PLAN  
PROP. ACCESS RD STA. 40+00 TO 48+00

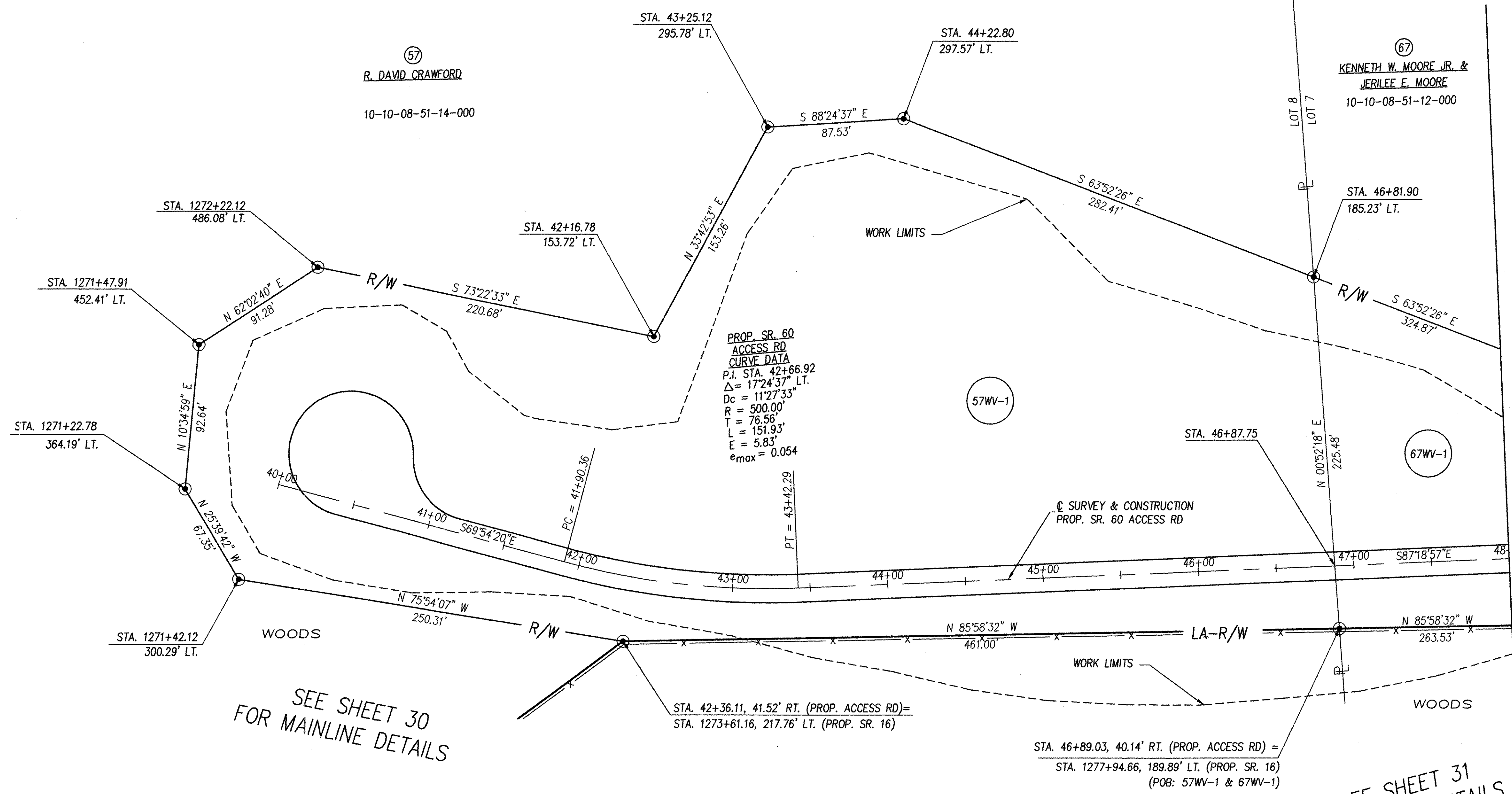
MUS-16-7-16

48/51  
700  
703

MUSKINGUM COUNTY  
CASS TOWNSHIP  
TOWNSHIP 3 NORTH, RANGE 8 WEST  
LOT 8

MUSKINGUM COUNTY  
CASS TOWNSHIP  
TOWNSHIP 3 NORTH, RANGE 8 WEST  
LOT 7

PARCEL 57WV-1  
67WV-1  
PARCEL TIE-IN  
FROM POINT "C", THENCE N 53°23'26" E, 1695.74' TO THE POB.  
FROM POINT "C", THENCE N 53°23'26" E, 1695.74' TO THE POB.  
POINT "C"  
INTERSECTION OF LOT LINES 8, 9, 12 AND 13 (IP FOUND AND USED)  
STA. 1261+63.45, 596.02' RT.



SEE SHEET 30  
FOR MAINLINE DETAILS

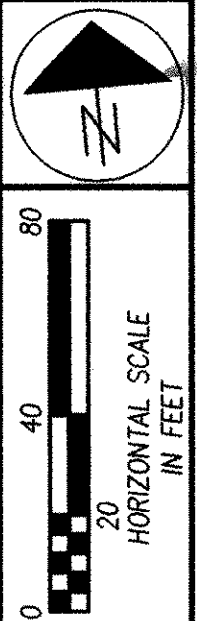
SEE SHEET 31  
FOR MAINLINE DETAILS

SEE SHEET 49  
MATCH LINE STA. 48+00

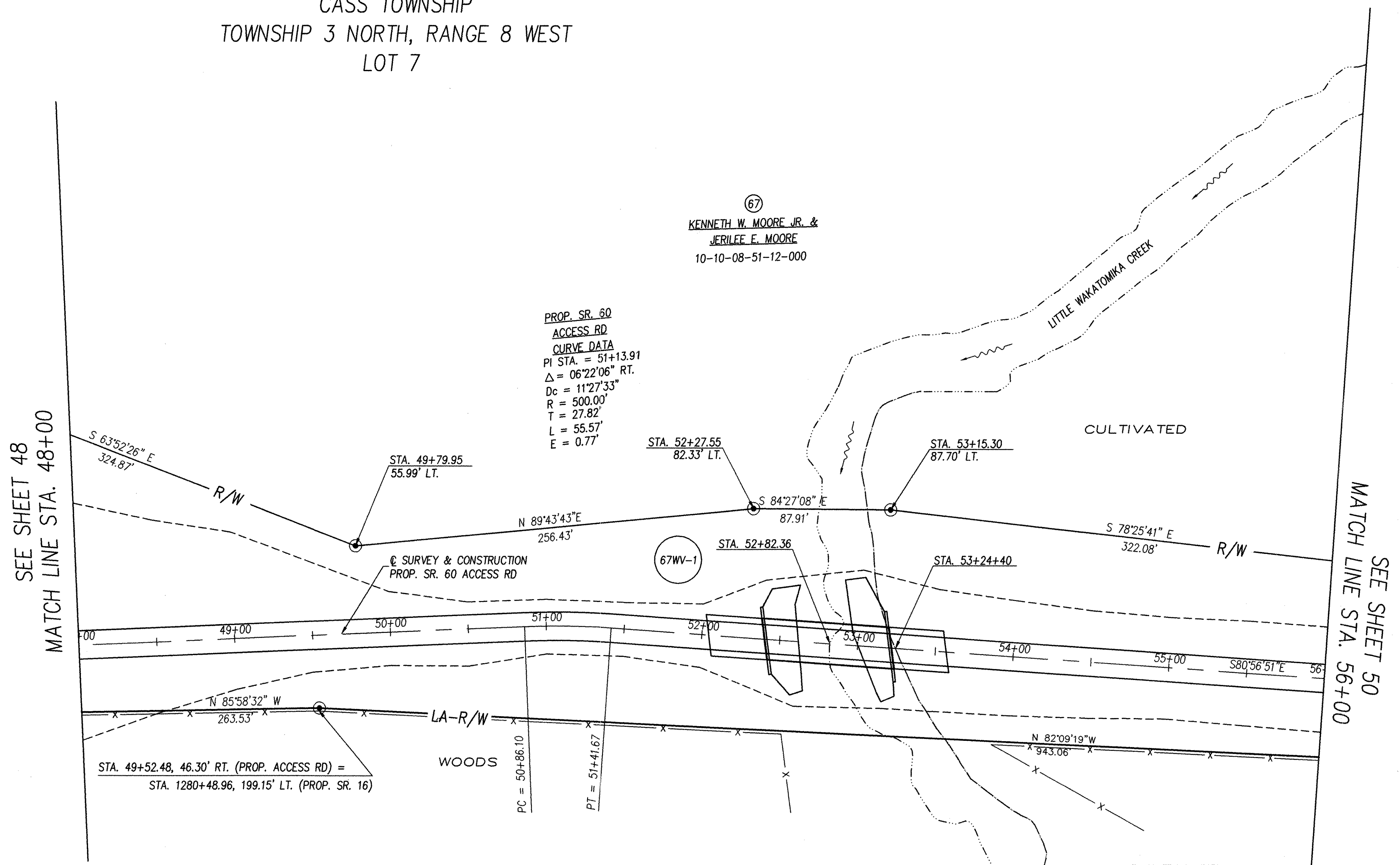
- IP FOUND
- IP SET (3/4" IRON PIN, 30" LONG WITH PLASTIC ID CAP STAMPED "ODOT D-5")
- × PK NAIL SET

NOTE: ALL TREES TO BE REMOVED WITHIN THE CONSTRUCTION LIMITS.

1	9/15/99	REVISED PROPERTY OWNER OF 57. RENAMED 57WV-2 TO 57WV-1.
REV.	DATE	DESCRIPTION
DATE OF COMPLETION: 1/15/99		



MUSKINGUM COUNTY  
 CASS TOWNSHIP  
 TOWNSHIP 3 NORTH, RANGE 8 WEST  
 LOT 7



67  
 KENNETH W. MOORE JR. &  
 JERILEE E. MOORE  
 10-10-08-51-12-000

PROP. SR. 60  
 ACCESS RD  
 CURVE DATA  
 PI STA. = 51+13.91  
 Δ = 06°22'06" RT.  
 Dc = 11°27'33"  
 R = 500.00'  
 T = 27.82'  
 L = 55.57'  
 E = 0.77'

SEE SHEET 48  
 MATCH LINE STA. 48+00

SEE SHEET 50  
 MATCH LINE STA. 56+00

SEE SHEET 31  
 FOR MAINLINE DETAILS

SEE SHEET 32  
 FOR MAINLINE DETAILS

- IP FOUND
- IP SET (3/4" IRON PIN, 30" LONG WITH PLASTIC ID CAP STAMPED "ODOT D-5")
- × PK NAIL SET

NOTE: ALL TREES TO BE REMOVED WITHIN THE CONSTRUCTION LIMITS.

PID NO.  
 16299

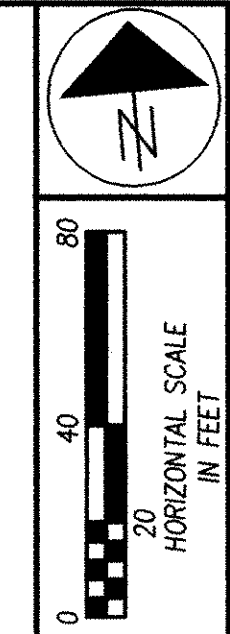
RIGHT OF WAY PLAN  
 PROP. ACCESS RD STA. 48+00 TO 56+00

MUS-16-7.16

REV.	DATE	DESCRIPTION
DATE OF COMPLETION: 1/15/99		

MUSKINGUM COUNTY  
CASS TOWNSHIP  
TOWNSHIP 3 NORTH, RANGE 8 WEST  
LOT 7

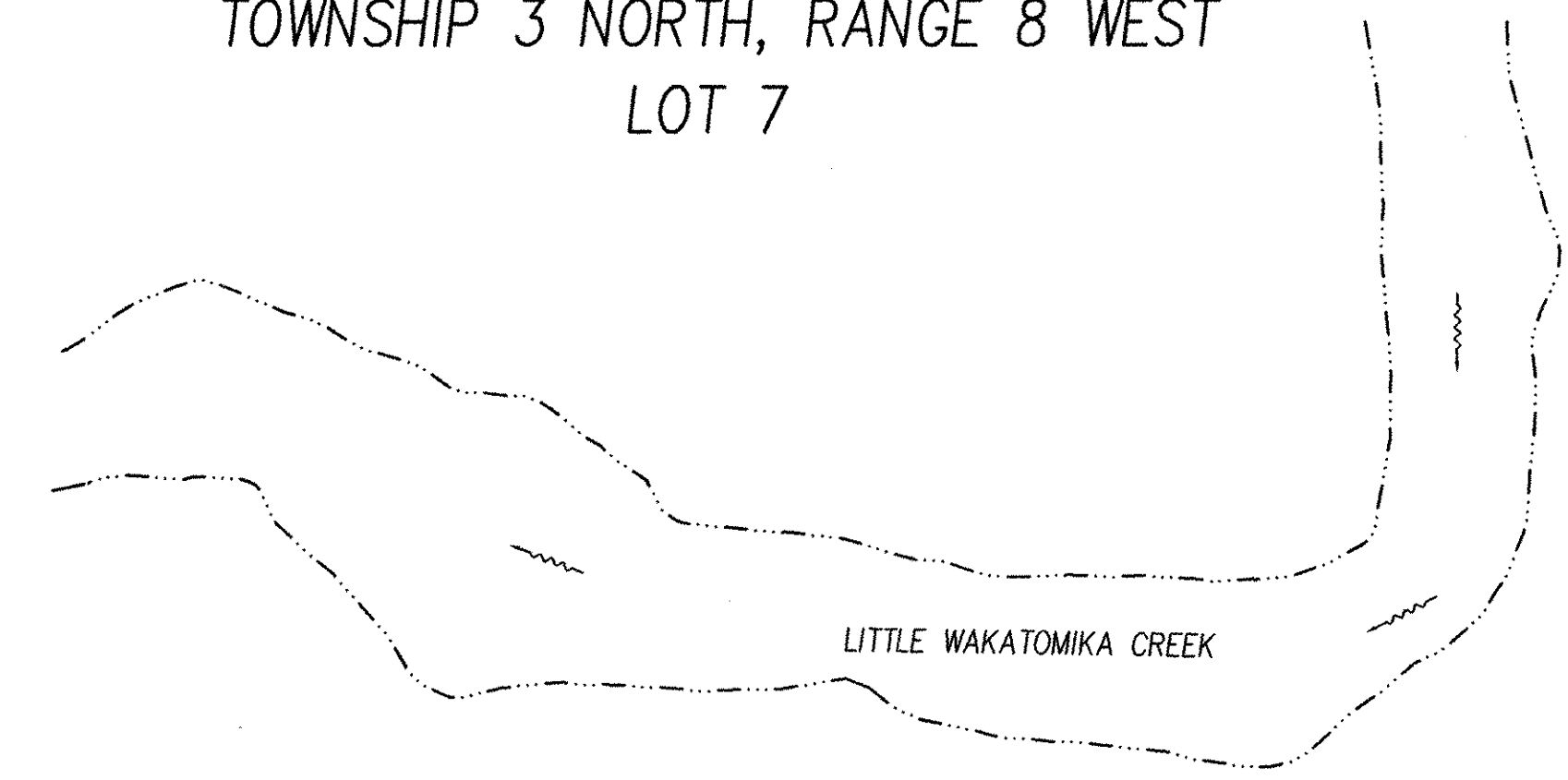
PARCEL 58WV PARCEL TIE-IN  
FROM POINT "D", THENCE N44°23'15"W, 1412.43' TO THE POB.  
POINT "D" INTERSECTION FO LOT LINES 5, 6, 15, AND 16 (STONE FOUND AND USED)  
STA. 1305+16.12, 577.22' RT.



PID NO.  
16299

RIGHT OF WAY PLAN  
PROP. ACCESS RD STA. 56+00 TO 65+00

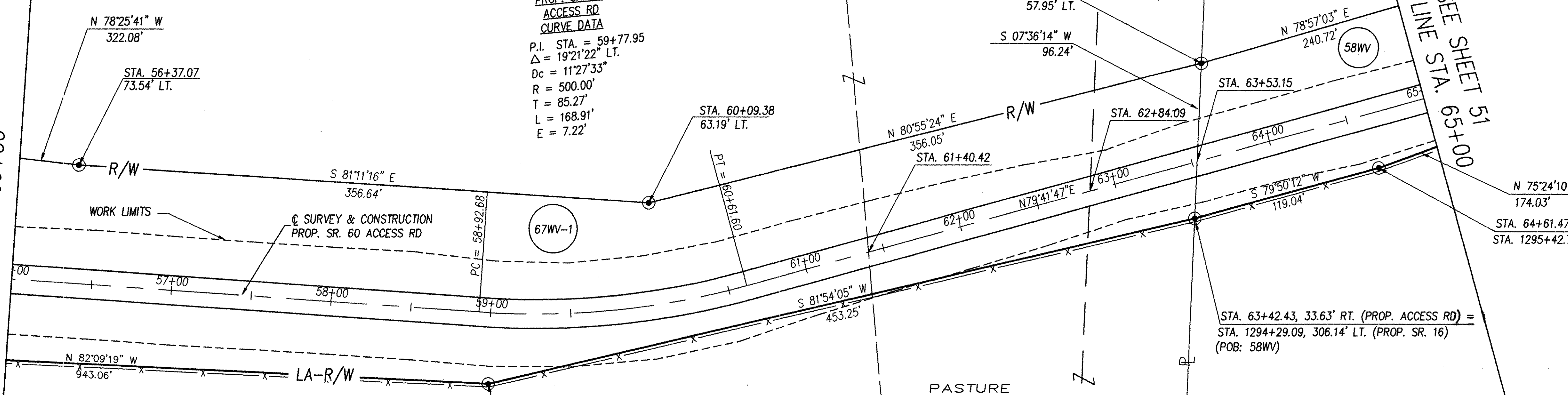
MUS-16-7.16



(67)  
KENNETH W. MOORE JR. &  
JERILEE E. MOORE  
10-10-08-51-12-000

PROP. SR. 60  
ACCESS RD  
CURVE DATA  
P.I. STA. = 59+77.95  
Δ = 19°21'22" LT.  
Dc = 11°27'33"  
R = 500.00'  
T = 85.27'  
L = 168.91'  
E = 7.22'

SEE SHEET 49  
MATCH LINE STA. 56+00



SEE SHEET 32  
FOR MAINLINE DETAILS

SEE SHEET 33  
FOR MAINLINE DETAILS

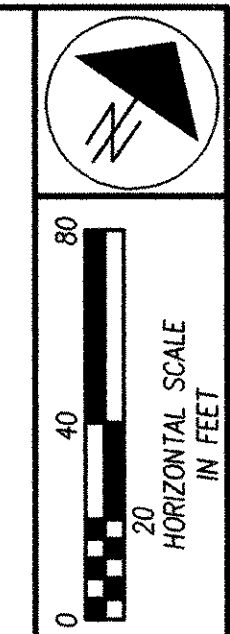
(58)  
THE LONGABERGER COMPANY  
10-10-08-51-07-000

- IP FOUND
- IP SET (3/4" IRON PIN, 30" LONG WITH PLASTIC ID CAP STAMPED "ODOT D-5")
- × PK NAIL SET

NOTE: ALL TREES TO BE REMOVED WITHIN THE CONSTRUCTION LIMITS.

REV.	DATE	DESCRIPTION
DATE OF COMPLETION: 1/15/99		

50/51  
702  
703

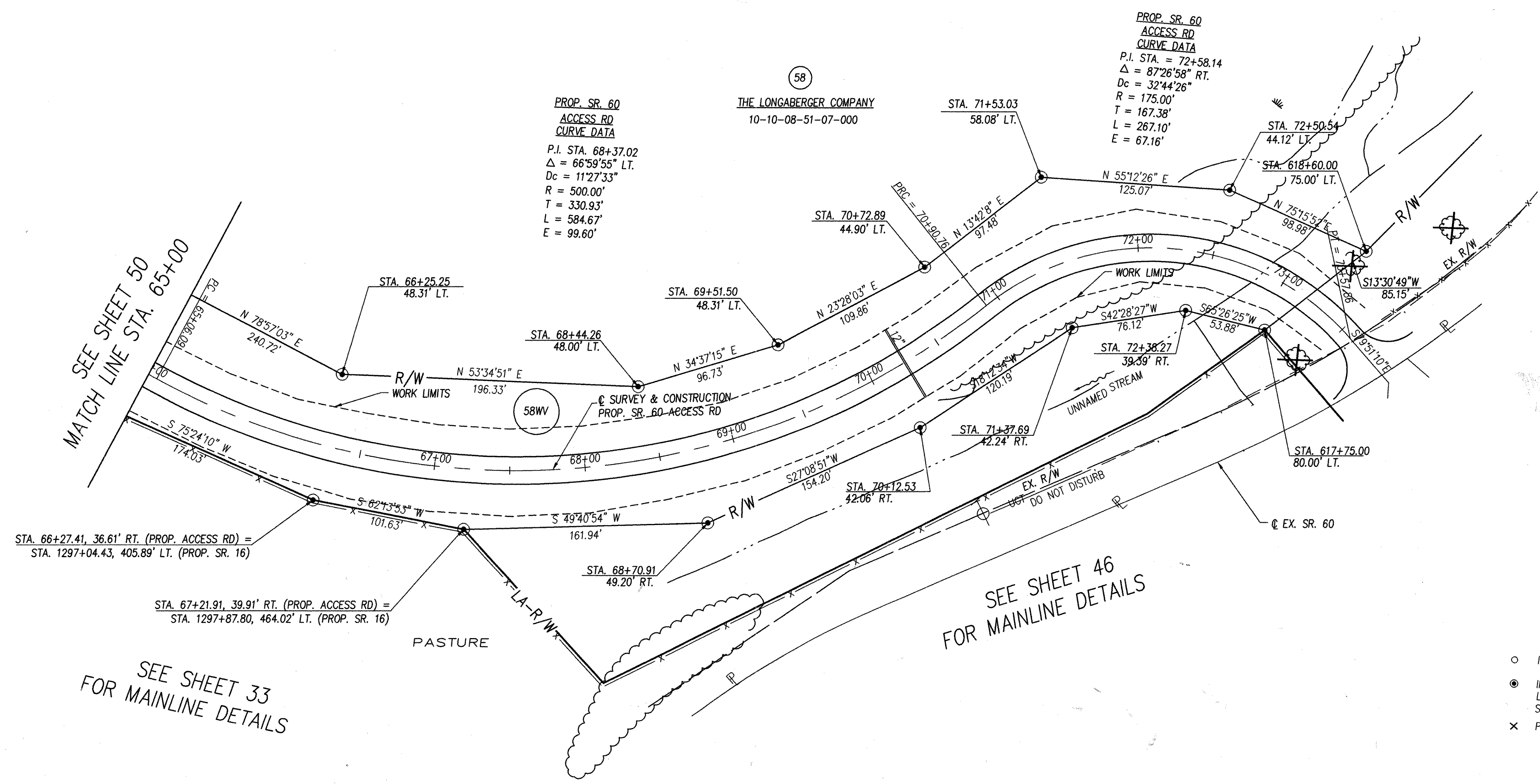


MUSKINGUM COUNTY  
CASS TOWNSHIP  
TOWNSHIP 3 NORTH, RANGE 8 WEST  
LOT 6

PID NO.  
16299

RIGHT OF WAY PLAN  
PROP. ACCESS RD STA. 65+00 TO 73+96.53

MUS-16-7-16



SEE SHEET 50  
MATCH LINE STA. 65+00

SEE SHEET 33  
FOR MAINLINE DETAILS

SEE SHEET 46  
FOR MAINLINE DETAILS

PROP. SR. 60  
ACCESS RD  
CURVE DATA  
P.I. STA. 68+37.02  
Δ = 66°59'55" LT.  
Dc = 11'27'33"  
R = 500.00'  
T = 330.93'  
L = 584.67'  
E = 99.60'

THE LONGBERGER COMPANY  
10-10-08-51-07-000

PROP. SR. 60  
ACCESS RD  
CURVE DATA  
P.I. STA. = 72+58.14  
Δ = 87°26'58" RT.  
Dc = 32'44'26"  
R = 175.00'  
T = 167.38'  
L = 267.10'  
E = 67.16'

- IP FOUND
- IP SET (3/4" IRON PIN, 30" LONG WITH PLASTIC ID CAP STAMPED "ODOT D-5")
- × PK NAIL SET

NOTE: ALL TREES TO BE REMOVED WITHIN THE CONSTRUCTION LIMITS.

REV.	DATE	DESCRIPTION
DATE OF COMPLETION: 1/15/99		

51/51  
703  
703

6: \DMS\DEPT4\SR16\SR16\SECT3\SRPL\AN31651.dwg Mon Jun 14 12:13:03 1999

RESOURCE INTERNATIONAL INC.  
PROJECT NO. W-5201