



CH1 CURVE CH1
 P.I. = STA. 23+37.36
 $\Delta = 21^\circ 34' 12''$ LT
 $D_c = 10^\circ 59' 50''$
 $R = 521.00'$
 $T = 99.24'$
 $L = 196.14'$
 $E = 9.37'$

CS1 CURVE CS1
 P.I. = STA. 102+58.74
 $\Delta = 20^\circ 42' 39''$ LT
 $D_c = 05^\circ 47' 57''$
 $R = 988.00'$
 $T = 177.27'$
 $L = 350.80'$
 $E = 15.78'$

CURVE CS2
 P.I. = STA. 104+76.75
 $\Delta = 02^\circ 37' 11''$ LT
 $D_c = 02^\circ 56' 45''$
 $R = 1,944.93'$
 $T = 44.47'$
 $L = 88.92'$
 $E = 0.51'$

BASIS OF EX. C/L OF R/W AND R/W WIDTH:
 THE CENTERLINE OF RIGHT OF WAY AND RIGHT OF WAY LIMITS WERE ESTABLISHED BY USING THE FOLLOWING:

- RIC-CR133-0.96 RW PLAN DATED 2003
- RIC-CR133-0.96 CL PLAT (P.B. 29, P. 87)
- HOME ROAD VACATION PLAT (O.R. 31, P. 67)
- SURVEYS ON FILE WITH THE RICHLAND COUNTY ENGINEER'S OFFICE (CC-185, F-1-211, F-1-233, JJ-111, JJ-112, JJ-128, JJ-129, LL-085, S-073, Z-138)
- DEEDS OF RECORD
- TAX MAPS

THE STATIONING FOR WAS ESTABLISHED BY USING THE FOLLOWING:
 -RIC-CR133-0.96 RW PLAN DATED 2003

BASIS OF BEARINGS:
 THE BEARINGS SHOWN HEREIN ARE BASED ON THE OHIO STATE PLANE COORDINATE SYSTEM, NORTH ZONE, NAD83 (2011). SAID BEARINGS ORIGINATED FROM A FIELD TRAVERSE WHICH WAS TIED (REFERENCED) TO SAID COORDINATE SYSTEM BY GNSS OBSERVATIONS USING THE OHIO DEPARTMENT OF TRANSPORTATION'S REAL TIME NETWORK. THE PORTION OF THE CENTERLINE OF LEXINGTON SPRINGMILL ROAD, HAVING A BEARING OF N 11° 35' 17" E, IS DESIGNATED THE "BASIS OF BEARINGS" FOR THIS SURVEY.

NOTE: ALL NORTHING AND EASTING ARE IN GROUND. THE SCALE FACTOR HAS BEEN PROVIDED IN GENERAL NOTES UNDER THE SURVEY PARAMETERS NOTE

STATIONS AND OFFSETS ARE TAKEN FROM THE CENTERLINE OF CONSTRUCTION UNLESS OTHERWISE NOTED.

VERTICAL CONTROL				
BENCH MARK	NORTHING (GROUND)	EASTING (GROUND)	Elevation	DESCRIPTION
BM #1	380361.639	1946054.069	1237.70	RAILROAD SPIKE IN THE EAST SIDE OF A WOODEN POWER POLE LOCATED IN THE MIDDLE OF A FIELD, 85 FEET SOUTH OF THE DRIVEWAY TO RESIDENCE #1768, 195 FEET WEST OF LEXINGTON-SPRINGMILL ROAD SOUTH (C.R. 133), AND 265 FEET NORTHWEST OF THE INTERSECTION BETWEEN LEXINGTON-SPRINGMILL ROAD SOUTH (C.R. 133) AND SOUTH HOME ROAD (C.R. 135).
BM #2	380674.617	1946966.281	1242.58	CHISELED SQUARE ON THE NORTHEAST CORNER OF THE SOUTH WINGWALL ON THE WEST SIDE OF A CULVERT CROSSING UNDERNEATH SOUTH HOME ROAD (C.R. 135), ON THE NORTH SIDE OF THE DRIVEWAY TO RESIDENCE #1716.
BM #3	379889.087	1946365.287	1246.05	CHISELED "X" ON THE WEST FLANGE BOLT OF A FIRE HYDRANT LOCATED 40 FEET NORTH OF THE DRIVEWAY TO RESIDENCE #1773 AND 90 FEET EAST OF LEXINGTON-SPRINGMILL ROAD SOUTH (C.R. 133).

HORIZONTAL CONTROL					
POINTS	STATION	NORTHING (GROUND)	EASTING (GROUND)	ELEVATION	DESCRIPTION
1	107+64.15, 14.73' LT (LEXINGTON-SPRINGMILL)	380551.922	1946197.378	1240.90	1061 #1 W/ ALUM CAP ENG ASSOC INC IPFw/cap
3	104+52.73, 20.27' RT (LEXINGTON-SPRINGMILL)	380253.334	1946294.358	1233.50	1065 #3 MAGS
4	112+18.09, 22.24' RT (LEXINGTON-SPRINGMILL)	381004.244	1946143.662	1250.81	1061 #4 W/ ALUM CAP ENG ASSOC INC IPFw/cap
5	OUTSIDE OF C/L LIMITS	381854.834	1945934.359	1280.89	1061 #5 W/ ALUM CAP ENG ASSOC INC IPFw/cap
6	OUTSIDE OF C/L LIMITS	382592.559	1945770.664	1311.02	1061 #6 W/ ALUM CAP ENG ASSOC INC IPFw/cap
7	OUTSIDE OF C/L LIMITS	383864.078	1945544.390	1423.85	1061 #7 W/ ALUM CAP ENG ASSOC INC IPFw/cap
8	OUTSIDE OF C/L LIMITS	384726.040	1945279.918	1451.68	1061 #8 W/ ALUM CAP ENG ASSOC INC IPFw/cap
9	OUTSIDE OF C/L LIMITS	385770.758	1944898.740	1476.64	1061 #9 W/ ALUM CAP ENG ASSOC INC IPFw/cap
10	OUTSIDE OF C/L LIMITS	386712.245	1944611.528	1488.12	1061 #10 W/ ALUM CAP ENG ASSOC INC IPFw/cap
11	OUTSIDE OF C/L LIMITS	387441.244	1944300.281	1476.15	1061 #11 W/ ALUM CAP ENG ASSOC INC IPFw/cap
212	OUTSIDE OF C/L LIMITS	380378.073	1946771.382	1240.34	1157 58 ODOT RTN IRSw/cap
213	OUTSIDE OF C/L LIMITS	380767.591	1947078.379	1243.66	1157 58 ODOT AZMTH RTN IRSw/cap
214	100+09.53, 25.21' RT (LEXINGTON-SPRINGMILL)	379805.334	1946282.648	1237.69	1157 58 ODOT RTN IRSw/cap
215	OUTSIDE OF C/L LIMITS	379176.768	1946112.604	1239.80	1157 58 ODOT RTN IRSw/cap
401	106+07.25, 193.97' LT (LEXINGTON-SPRINGMILL)	380361.639	1946054.069	1237.70	1185 BM#1 BMS
402	OUTSIDE OF C/L LIMITS	380674.617	1946966.281	1242.58	1185 BM#2 BMS
403	101+05.48, 90.41' RT (LEXINGTON-SPRINGMILL)	379889.087	1946365.287	1246.05	1185 BM#3 BMS



SCHEMATIC PLAN

DESIGN AGENCY
EMHT

DESIGNER
 JDK

REVIEWER
 SB 11/22/23

PROJECT ID
 118289

SHEET TOTAL
 P.2 50