

Presented By:

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In the Ohio Revised Code, Section 315.251:

"If a deed conveying title to real property is presented to the county auditor for transfer, and the deed contains a legal description for land that is cut-up or split of the grantor's one or more existing parcels of land as shown in the county auditor's records, or if the legal description of the land conveyed in the deed is different from the legal description shown in the prior deed to the grantor, a boundary survey plat in conformity with the new description shall be submitted with the deed.



"The survey plat and description shall satisfy the minimum standards for boundary surveys promulgated by the board of registration for professional engineers and surveyors pursuant to Chapter 4733, of the Revised Code. If, in the opinion of the county engineer, the survey plat and description satisfy those standards, the county auditor shall accept the deed for the transfer and a copy of the survey plat shall be filed in the county engineer's survey file for public inspection."

O.R.C. 315.251



∀ First and foremost, this is a discussion of what is contained in the "Minimum Standards for Boundary Surveys", we are not discussing the additional requirements placed upon the surveying community by County Conveyance Standards.



- ✓ We will begin by looking at Ohio

 Administrative Code Chapter 4733-37
 - Did you know, the most recent version was effective 11/01/2003. This should supersede all previous versions.



O.A.C. 4733-37 is comprised of 7 sections:

- (01) Preamble
- (02) Research and Investions
- (03) Monumentation
- (04) Measurement Specifications
- (05) Plat of Survey
- (06) Descriptions
- (07) Subdivision Plats



∨O.A.C. 4733-37-01 "Preamble"

These rules are intended to be the basis for all surveys relating to the establishment or retracement of property boundaries in the state of Ohio. When the case arises where one or more provisions herein must be abridged due to local condition, the abridgement shall be clearly indicated on plats and/or legal descriptions and reports. Where local or other prescribed regulations exist which are more restrictive than these rules, the survey shall conform to all local and state regulatory standards. When a client desires only a portion of his property surveyed, ...



∨O.A.C. 4733-37-01 "Preamble"

...and this portion can be clearly isolated from the remainder of the property without affecting the interests of adjoining owners, these rules shall apply to the survey of only the desired portion.



∨O.A.C. 4733-37-01 "Preamble"

This is pretty much straight forward, not much interpretation is needed. It does allow for the "County Conveyance Standards" to abridge these standards. One thing to keep in mind, these are the "minimum" that is required, so County Conveyance Standards cannot "loosen" or ask less than the Minimum Standards.



- ✓ O.A.C. 4733-37-02 "Research & Investigation"
- A. The surveyor shall consult deeds and other documents, including those for adjacent parcels, in order to assemble the best possible set of written evidence of every corner and line of the property being surveyed.



- ✓ O.A.C. 4733-37-02 "Research & Investigation"
- After all necessary written documents have been analyzed, the survey shall be based on a field investigation of the property. The surveyor shall make a thorough search for physical monuments, and analyze evidence of monumentation and occupation. In addition, the surveyor shall, when necessary, confer with the owner(s) of the adjoining property and the owner(s) of the property being surveyed.



- ✓ O.A.C. 4733-37-02 "Research & Investigation"
 - This could be one of the categories with a
 perspective based on the county you are
 working in with the various degrees of how
 readily available information is to the surveyor.
 - Recorded deeds, other documents, are they readily available, or are they subject to the infamous court house fires, misplaced, even discarded.
 - Does the Engineer's Office have Private Survey Plats on file, road records, R/W plans, etc.



- ✓ O.A.C. 4733-37-02 "Research & Investigation"
 - How thorough is thorough?
 - Is there a difference in simple platted lots versus meandering lines through a woods? VMS versus sectionalized lands?
 - How many times is the owner home of the adjoining property when the survey crew is there to confer with?
 - Do we follow up with adjoiners on nights and weekends?



- **✓** O.A.C. 4733-37-03 "Monumentation"
- A. The surveyor shall set boundary monuments so that, upon completion of the survey, each corner of the property and each referenced control station will be physically monumented.



- **∨** O.A.C. 4733-37-03 "Monumentation"
- When it is impossible or impracticable to set a boundary monument on a corner, the surveyor shall set a reference monument, similar in character to the boundary monument and preferably along one of the property lines which intersect at that corner. When such a reference monument is used, it shall be clearly identified as a reference monument on the plat of the property and in any new deed description which may be written for the property.



∨ O.A.C. 4733-37-03 "Monumentation"

- C. Every boundary monument and/or reference monument set by the surveyor shall, when practicable:
 - 1. Be composed of a durable material.
 - 2. Have a minimum length of thirty inches.
 - 3. Have a minimum cross-section area of material of 0.21 square inches.
 - 4. Be identified with a durable marker bearing the surveyor's Ohio registration number and/or name or company name.
 - 5. Be detectable with conventional instruments for finding ferrous or magnetic.



- **∨** O.A.C. 4733-37-03 "Monumentation"
- D. When a case arises, due to physical obstructions such as pavements, large rocks, large roots, utility cables, etc., so that neither a boundary monument nor a reference monument can be conveniently or practicably set in accordance with paragraph (C) of this rule, then alternative monumentation, which is essentially as durable and identifiable (e.g., chiseled "X" in concrete, drill hole, etc.) shall be established for the particular situation.



∨O.A.C. 4733-37-03 "Monumentation"

- Again, this should be a straight forward section,
 regardless of the County/area you are working in.
- All corners shall be monumented (with a provision of being impractical).
 - This should not be confused with saving money, time, ...
 - Reference monument requirements could be subject to County Conveyance Standards.
- All Control Stations shall be monumented, i.e. POC's



∨O.A.C. 4733-37-03 "Monumentation"

- The 2003 Standards closed the loophole and eliminates the use of a ½" iron pin.
 - Prior version called for cross-section area of 0.2 square inches and changed it to 0.21 square inches.
 - Using the formula to compute area of a circle, $A=pR^2$
 - Remember, a $\frac{1}{2}$ " pin, $\frac{1}{2}$ " is the diameter, it's radius is 0.25"!

$$A=pR^2$$
 $A=0.196349541$



∨O.A.C. 4733-37-03 "Monumentation"

- Provides for alternative monumentation to be used, e.g.,
 chiseled "X" in concrete, drill hole, p.k./Mag Nails, etc.
- Discretion and control over the use can be dictated by the authority reviewing these legal descriptions.
 - Examples: Drill hole in blacktop of county road, railroad spike set in gravel road, etc...



➤ O.A.C. 4733-37-04 "Measurement Specifications"

All measurements shall be made in accord with the following specifications:

A. The surveyor shall keep all equipment used in the performance of surveying in proper repair and adjustment.



➤ O.A.C. 4733-37-04 "Measurement Specifications"

Every determination of distance shall be made either directly or B. indirectly in such a manner that the linear error in the distance between any two points (not necessarily adjacent points) shall not exceed the reported distance divided by ten thousand (allowable linear error = reported distance divided by ten thousand) and every angular measurement shall be made in such a manner that the allowable (directional) error, in radians, shall not exceed the allowable linear error divided by the reported distance (allowable (directional) error = allowable linear error divided by reported distance). When the reported distance is less than two hundred feet, the linear error shall not exceed 0.02 feet. The reported distance is the distance established by the survey.



- ✓ O.A.C. 4733-37-04 "Measurement Specifications"
- C. In all new descriptions and plats of survey, the lengths and directions of the lines shall be specified so that the mathematical error in closure of the property boundary does not exceed 0.02 feet in latitudes and 0.02 feet in departures.
- D. Surveys performed using metric measurements shall utilize the metric equivalents based upon the U.S. survey foot conversion factor.



- ➤ O.A.C. 4733-37-04 "Measurement Specifications"
 - Again, a fairly straight forward section that leaves little interpretation to the County/area you are working in.
 - All equipment must be in the proper repair/adjustment.
 - Keep detailed logs of calibration on file.
 - In 2003, there was a change from the reported distance from 100' to 200'.
 - No more than 0.02' of error in closure in latitudes and departures.
 - Should not be confused with 1:10,000 closure requirements most counties have in place.
 - Allows for metric measurements ~ YEAH!?!?



✓ O.A.C. 4733-37-05 "Plat of Survey"

- A. The surveyor shall prepare a scale drawing of every individual survey, or drawings comprising all of the surveys when they are contiguous, in which the surveyor retraces previously established property lines or establishes new boundaries.
- B. A copy of this drawing shall be given to the client. When required, another copy shall be filed with the appropriate public agencies.



- ✓ O.A.C. 4733-37-05 "Plat of Survey"
- C. The surveyor shall include the following details:
 - 1. A title such that the general location of the survey can be identified. The title shall include, but not be limited to: state, county, civil township or municipality, and original land subdivision description.
 - 2. A north arrow with a clear statement as to the basis of the reference direction used.



∨ O.A.C. 4733-37-05 "Plat of Survey"

3. The control station(s) or line cited in the description and the relationship of the property to this control must be referenced to an established monumented point of beginning such as, but not limited to: centerline intersection of streets or highways record, section or quarter section corners, Virginia military survey corners or lines, or platted lot corners. The type of monuments set or found at the control stations shall be noted.



✓ O.A.C. 4733-37-05 "Plat of Survey"

- 4. A notation at each corner of the property stating that the boundary monument specified in the deed description was found, or that a boundary monument was set, or a legend of the symbols used to identify monumentation. In addition, there shall be a statement describing the material and size of every monument found or set.
- 5. A general notation describing the evidence of occupation that may be found along every boundary line or occupation line.



✓ O.A.C. 4733-37-05 "Plat of Survey"

6. The length and direction of each line as specified in the description of the property or as determined in the actual survey if this differs from what is stated in the deed description by more than the tolerance specified in paragraph (B) of rule 4733-37-04 of the Administrative Code. The length and direction shall be stated as follows:



∨O.A.C. 4733-37-05 "Plat of Survey"

- a) Bearings expressed in degrees, minutes and seconds and distances expressed in feet and decimal parts thereof on each course. If a metric equivalent distance is stated, it shall be stated to the third decimal place.
- b) All curved lines shall indicate the radius, central angle, curve length, chord bearing and chord distance.



∨O.A.C. 4733-37-05 "Plat of Survey"

c) Each course shall show other common lines such as centerline of roads, rivers, streams, section lines, quarter section lines, half section lines or other pertinent common lines of record.



∨ O.A.C. 4733-37-05 "Plat of Survey"

- 7. A citation of pertinent documents and sources of data used as a basis for carrying out the work. The citation shall include, but not be limited to: current deeds as of the date of the survey, prior deeds or other documents of record, and available deeds of record for adjoining parcels along each boundary line of the survey. If the adjoining parcel is a recorded subdivision, only the subdivision name, recording information and lot numbers need to be shown.
- 8. The written and graphical scale of the drawing.



- **∨** O.A.C. 4733-37-05 "Plat of Survey"
 - 9. The date of the survey.
 - 10. The surveyor's printed name and Ohio registration number, signature and seal (in a form which may clearly reproduce on any copies which may be made of the original drawing).
 - 11. The area contained within the perimeter of the surveyed parcel.



- **∨** O.A.C. 4733-37-05 "Plat of Survey"
 - 12. All references to roads or railroads contiguous to the surveyed parcel shall use current names or names of record and applicable right of way widths, if available.
 - 13. All references to rivers or streams shall use current names of record, if available.



∨ O.A.C. 4733-37-05 "Plat of Survey"

- Conveyance Standards may require much, much more.
- Every boundary survey requires a plat of survey, whether a deed is being executed and be given to the client and filed with any appropriate public agency when necessary.
- Must be referenced to a monumented point of beginning.



∨ O.A.C. 4733-37-05 "Plat of Survey"

- Contain a notation at each corner of the property stating whether monumentation was found, set and the condition.
- A general notation describing the evidence of occupation that may exist along each boundary line.
- Any difference in a length or direction of a line should be noted.
- All curved lines shall include the radius, central angle, curve length, chord bearing and distance.



∨ O.A.C. 4733-37-05 "Plat of Survey"

- Needs to show common lines such as centerlines, section, quarter section and/or half section lines or other pertitent common lines of record.
- A citation of pertinent documents and sources of data used.
- Scale needs to be shown
- Date of survey.
- Surveyor's printed name, registration number,
 signature and seal (in a form which may be clearly reproduced on any copies).****



PEs, PSs MUST SIGN, SEAL AND DATE ALL WORK PRODUCTS

By Mark T. Jones, PS, Executive Director State Board of Registration for Professional Engineers and Surveyors

For many years, Professional Engineers (PE) and Professional Surveyors (PS) only signed and sealed plans and plats. Due to the passage of HB 337 in 2002, Ohio Revised Code (ORC) Section 4733.14 now requires that "Plans, specifications, plats, reports, and all other engineering work products shall be stamped with the seal...and be signed and dated by the registrant". Therefore, all opinions, reports, plans, plats, property descriptions, etc. must be signed, sealed and dated by the PE or PS who was in direct supervisory control of the preparation of the work product.

Source: "Ohio Surveying News", Volume 34 Issue 4, from 2005



- A. When a surveyor is called upon to prepare a new description, either to replace an existing description which is inadequate or to create a new piece of property, said description shall include the following items:
 - 1. Sufficient caption so that the property can be adequately identified.
 - 2. A relationship between the property in question and clearly defined control station(s).
 - 3. The basis of the bearings.



- **∨** O.A.C. 4733-37-06 "Descriptions"
 - 4. A citation to the public record of the appropriate prior deed(s).
 - 5. The surveyor's name, Ohio registration number and date of writing and/or survey.
- B. A metes and bounds description shall include, in addition to paragraph (A) of this rule:
 - 1. A description of the boundary monument used as the initial point of the description.



- 2. A series of calls for successive lines bounding the parcel, each of which specifies:
 - a. The intent in regards to adjoiners or other existing features.
 - b. The direction of the line relative to the direction of the basis of bearing.
 - c. The length of the line.
 - d. A description of the boundary monument (or reference monument) and whether found or set to identify the end of the particular line.



- e. All curved lines shall indicate the radius, central angle, curve length, chord bearing, chord length and direction of the curve.
- f. The reported boundary data shall meet the closure requirements of paragraph (C) of rule 4733-37-04 of the Administrative Code.
- 3. The area of the parcel.



- **∨** O.A.C. 4733-37-06 "Descriptions"
- C. Descriptions other than metes and bounds descriptions may be a reference to a recorded survey plat or a parcel on a recorded survey plat and shall include sufficient and adequate legal and technical wording so that the property can be definitely located and defined.
- D. A statement shall appear indicating that either: the description was made in accordance with a recent survey and the date thereof, or the description was made based on a previous survey, of a certain date, and date of description, or the description was not based on a survey.



- **∨** O.A.C. 4733-37-06 "Descriptions"
- E. When the surveyor knows a new description is to be used for a fee transfer, the surveyor shall base the description on a current or updated survey of the property.



- **∨** O.A.C. 4733-37-06 "Descriptions"
 - Conveyance Standards may require much, much more.
 - O.R.C. 315.251 states the following:

If, in the opinion of the county engineer, the survey plat and description satisfy those standards, the county auditor shall accept the deed for transfer and a copy of the survey plat shall be filed in the county engineer's survey file for public inspection.

 Requires the surveyor's name, Ohio registration number and date of writing and/or survey. ****



PEs, PSs MUST SIGN, SEAL AND DATE ALL WORK PRODUCTS

By Mark T. Jones, PS, Executive Director State Board of Registration for Professional Engineers and Surveyors

For many years, Professional Engineers (PE) and Professional Surveyors (PS) only signed and sealed plans and plats. Due to the passage of HB 337 in 2002, Ohio Revised Code (ORC) Section 4733.14 now requires that "Plans, specifications, plats, reports, and all other engineering work products shall be stamped with the seal...and be signed and dated by the registrant". Therefore, all opinions, reports, plans, plats, property descriptions, etc. must be signed, sealed and dated by the PE or PS who was in direct supervisory control of the preparation of the work product.

Source: "Ohio Surveying News", Volume 34 Issue 4, from 2005



- The metes and bounds description shall include:
 - A description of boundary monument used as initial point.
 - Series of calls for successive lines bounding parcel like intent in regards to adjoiners or other features.
 - Description of boundary monument and whether found or set.
 - Curved lines must indicate radius, central angle, curve length, chord bearing and distance, and direction.
- Descriptions other than metes and bounds may be used.
- Statement indicating that it was based on a previous survey or recent survey and the date thereof.



- **∨** O.A.C. 4733-37-06 "Descriptions"
 - A description cannot be written for the fee transfer of land from records only, it must be based on a current or updated survey of the property!



VO.A.C. 4733-37-07 "Subdivision Plats"

When a subdivision is created from a piece of property, or several adjoining pieces, the following rules shall apply:

- A. Rule <u>4733-37-02</u> (Research and Investigation) of the Administrative Code shall apply to the original tract(s) of land prior to being subdivided.
- B. Rule <u>4733-37-03</u> (Monumentation) of the Administrative Code shall apply to the outside perimeter of the original tract(s) of land and to the outside perimeter of the newly created subdivisions. All newly created lots, blocks, rights of way, angle points, points of curvature and points of tangency



VO.A.C. 4733-37-07 "Subdivision Plats"

shall be monumented according to local regulations. Street rights of way may be monumented with monuments on the centerline instead of right of way monuments. Centerline or right of way monuments shall be set at all intersections, angle points, points of curvature and points of tangency.

- C. All newly created subdivisions shall comply with rules 4733-37-04 (Measurement Specifications) and 4733-37-05 (Plat of Survey) of the Administrative Code.
- D. All easements within a newly created subdivision shall be accurately dimensioned so that each easement line can be reproduced without ambiguity.



∨ O.A.C. 4733-37-07 "Subdivision Plats"

- Has some provisions for monumentation that newly created lots, blocks, rights of way, angle points, points of curvature and points of tangency shall be monumented according to *local regulations*, but they may monument the centerline or the R/W line.
- All easements must be dimensioned so the can be reproduced.

Ohio Administrative Code Chapter 4733-37

MINIMUM STANDARDS FOR BOUNDARY SURVEYS IN THE STATE OF OHIO

EFFECTIVE 11/01/2003

4733-37-01 Preamble

4733-37-02 Research and investigation

4733-37-03 Monumentation

4733-37-04 Measurement specifications

4733-37-05 Plat of survey

4733-37-06 Descriptions 4733-37-07 Subdivision plats

4733-37-01 PREAMBLE

These rules are intended to be the basis for all surveys relating to the establishment or retracement of property boundaries in the State of Ohio. When the case arises where in one or more provisions herein must be abridged due to local condition, the abridgement shall be clearly indicated on plats and/or legal descriptions and reports. Where local or other prescribed regulations exist which are more restrictive than these rules, the survey shall conform to all local and state regulatory standards. When a client desires only a portion of his property surveyed, and this portion can be clearly isolated from the remainder of the property without affecting the interests of adjoining owners, these rules shall apply to the survey of only the desired portion.

4733-37-02 RESEARCH AND INVESTIGATION

(A) The surveyor shall consult deeds and other documents, including those for adjacent parcels, in order to assemble the best possible set of written evidence of every corner and line of the property being surveyed

(B) After all necessary written documents have been analyzed, the survey shall be based on a field investigation of the property. The surveyor shall: make a thorough search for physical monuments, and analyze evidence of monumentation and occupation. addition, the surveyor shall, when necessary, confer with the owner(s) of the adjoining property and the owner(s) of the property being surveyed.

4733-37-03 MONUMENTATION

(A) The surveyor shall set boundary monuments so that, upon completion of the survey, each corner of the property and each referenced control station will be

physically monumented.

(B) When it is impossible or impracticable to set a boundary monument on a corner, the surveyor shall set a reference monument, similar in character to the boundary monument and preferably along one of the property lines which intersect at that corner. When such a reference monument is used, it shall be clearly identified as a reference monument on the plat of the property and in any new description which may be written for the property.

(C) Every boundary monument and/or reference monument set by the surveyor shall, when practicable: Be composed of a durable material

Have a minimum length of thirty inches. Have a minimum cross-section area of material of 0.21 square inches.

(4) Be identified with a durable marker bearing the surveyor's Ohio registration number and/or name or company name.

(5) Be detectable with conventional instruments for finding ferrous or magnetic objects.

(D) When a case arises, due to physical obstructions such as pavements, large rocks, large roots, utility cables, etc., so that neither a boundary monument nor a reference monument can be conveniently or practicably set in accordance with Paragraph (C) of this rule, then alternative monumentation, which essentially as durable and identifiable (e.g., chiseled "X" in concrete, drill hole, etc. (e.g., chiseled "X" in concrete, drill hale, etc.) shall be established for the particular situation.

4733-37-04 MEASUREMENT SPECIFICATIONS

All measurements shall be made in accord with the

following specifications: (A) The surveyor shall keep all equipment used in the performance of surveying in proper repair and adjustment.

(B) Every determination of distance shall be made either directly or indirectly in such a manner that the linear error in the distance between any two points (not necessarily adjacent points) shall not exceed the reported distance divided by ten thousand (allowable linear error = reported distance divided by ten thousand) and every angular measurement shall be made in such a manner that the allowable (directional) error, in radians, shall not exceed the allowable linear error divided by the reported distance (allowable (directional) error = allowable linear error divided by reported distance). When the reported distance is less than two hundred feet, the linear error shall not exceed 0.02 feet. The reported distance is the distance established by the survey

(C) In all new descriptions and plats of survey, the lengths and directions of the lines shall be specified so. that the mathematical error in closure of the property boundary does not exceed 0.02 feet in latitudes and

0.02 feef in departure.

(D) Surveys performed using metric measurements shall utilize the metric equivalents based upon the U.S. Survey Foot conversion factor.

4733-37-05 PLAT OF SURVEY

(A) The surveyor shall prepare a scale drawing of every individual survey or drawings comprising all of the surveys when they are contiguous, in which the surveyor retraces previously established properly lines or establishes new boundaries.

(B) A copy of this drawing shall be given to the client. When required, another copy shall be filed with

the appropriate public agencies.

The surveyor shall include the following details: (1) A title such that the general location of the survey can be identified. The title shall include, but not be limited to: state, county, civil township or municipality, and original land subdivision

(2) A north arrow with a clear statement as to the basis of the reference direction used.

(3) The control station(s) or line cited in the description and the relationship of the property to this control must be referenced to an established monumented point of beginning such as, but not limited to: centerline intersection of streets or highways, record, section or quarter section corners, virginia military survey comers or lines, or platted lot corners. The type of monuments set or found at the control stations shall be noted.

(4) A notation at each corner of the property stating that the boundary monument specified in the description was found, or that a boundary monument was set, or a legend of the symbols used to identify monumentation. In addition, there shall be a statement describing the material and size of every monument found or set.

(5) A general notation describing the evidence of occupation that may be found along every boundary line or occupation line.

(6) The length and direction of each line as specified in the description of the property or as determined in the actual survey if this differs from what is stated in the description by more than the tolerance specified in paragraph (B) of Rule 4733-37-04 of the Administrative Code. The length and direction shall be stated as follows:

(a) Bearings expressed in degrees, minutes and seconds and distances expressed in feet and decimal parts thereof on each course. If a metric equivalent distance is stated. it shall be stated to the third decimal place.

(b) All curved lines shall indicate the radius, central angle, curve length, chord

bearing and chord distance.

(c) Each course shall show other common lines such as centerline of roads, rivers, streams, section lines, quarter section lines, half section lines or other pertinent common lines of

(7) A citation of pertinent documents and sources of data used as a basis for carrying out the work. The citation shall include, but not be limited to: current deeds as of the date of the survey, prior deeds or other documents of record, and available deed of record for adjoining parcels along each boundary line of the survey. If the adjoining parcel is a recorded subdivision, only the subdivision name. recording information and fot numbers need to be

The written and graphical scale of the

drawing.

The date of the survey.

(9) The date of the survey. (10) The surveyor's printed name and Ohio registration number, signature and seal (in a form which may clearly reproduce on any copies which may be made of the original drawing).
(11) The area contained within the perimeter of

the surveyed parcel.

(12) All references to roads or railroads contiguous to the surveyed parcel shall use current names or names of record and applicable right of way widths, if available. (13) All reference to rivers or streams shall use

current names of record, if available.

4733-37-06 DESCRIPTIONS

- (A) When a surveyor is called upon to prepare a new description, either to replace an existing description which is inadequate or to create a new piece of property, said description shall include the following
 - Sufficient caption so that the property can be adequately identified.
 - (2) A relationship between the property in question and clearly defined control station(s).

(3) The basis of the bearings

(4) A citation to the public record of the appropriate prior deed(s).

(5) The surveyor's name, Ohio registration number and date of writing and/or survey.

(B) A metes and bounds description shall include, in addition to paragraph (A) of this rule:

(1) A description of the boundary monument used as the initial point of the description.

(2) A series of calls for successive lines bounding the parcel, each of which specifies:

(a) The intent in regards to adjoiners or other existing features.

(b) The direction of the line relative to the direction of the basis of bearing.

(c) The length of the line. (d) A description of the boundary monument (or reference monument) and whether found or set to identify the end of the particular line.

(e) All curved lines shall indicate the radius, central angle, curve length, chord bearing, chord length and direction of the curve.

(f) The reported boundary data shall meet the closure requirements of paragraph (C) of Rule 4733-37-04 of the Administrative Code.

(3) The area of the parcel.

(C) Descriptions other than metes and bounds descriptions may be reference to a recorded survey plat or a parcel on a recorded survey plat and shall include sufficient and adequate legal and technical wording so that the property can be definitely located and defined.

(D) A statement shall appear indicating that either: the description was made in accordance with a recent survey and the date thereof, or the description was made based on a previous survey, of a certain date, and date of description, or the description was not based on a survey

(E) When the surveyor knows a new description is to be used for a fee transfer, the surveyor shall base the description on a current or updated survey of the

property.

4733-37-07 SUBDIVISION PLATS

When a subdivision is created from a piece of property, or several adjoining pieces, the following rules: shall apply

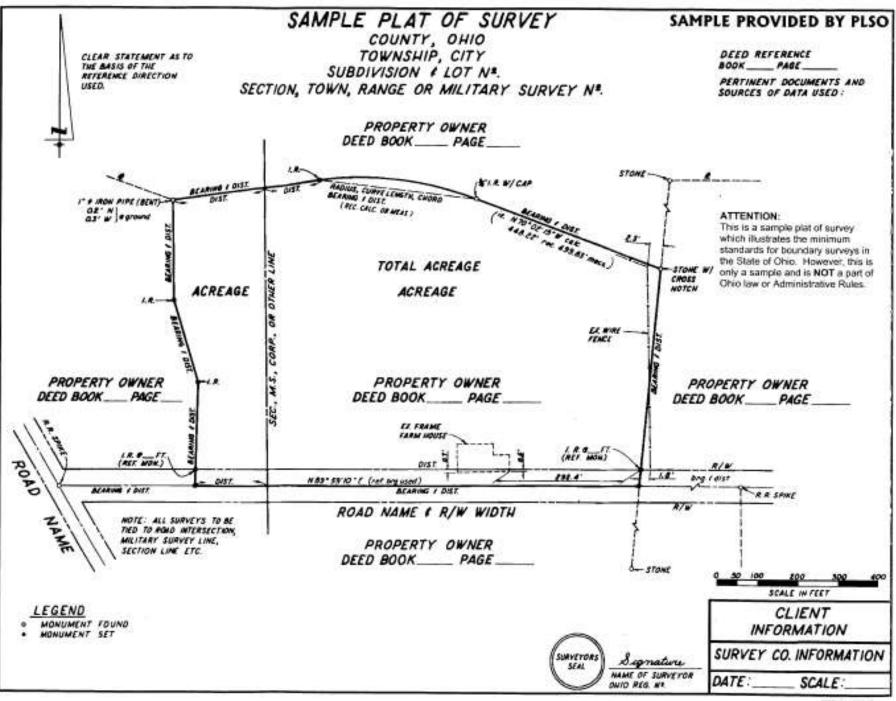
(A) Rule 4733-37-02 of the Administrative Code shall apply to the original tract(s) of land prior to being

(B) Rule 14733-37-03 of the Administrative Code shall apply to the outside perimeter of the original tract(s) of land and to the outside perimeter of the newly created subdivisions. All newly created lots, blocks, rights or way, angle points, points of curvature and points of tangency shall be monumented according to local regulations. Street rights of way may be monumented with monuments on the centerline instead of right of way monuments. Centerline or right of way monuments shall be set at all intersections, angle points, points of curvature and points of tangency.

(C) All newly created subdivisions shall comply with rules 4733-37-04 and 4733-37-05 of the Administrative

Code.

(D) All easements within a newly created subdivision shall be accurately dimensioned so that each easement line can be reproduced without ambiguity.



QUESTIONS?????

