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| **Surveyor/Real Estate ACT 132**  **MDOT Certified Survey Requirements and Review Checklist** | |  | |  | |  | |  | |
| Surveyor/Real Estate ACT 132 Certified Survey Requirements and Review Checklist Page 2  Route: CS: XXXXX, JN: XXXXXX, Parcel #  Date: Reviewed By: |  | | Page 1 | | **1** | |  | |

| Compliance | | | Requirement | Comments |
| --- | --- | --- | --- | --- |
| Yes | No | N/A |
|  |  |  | **MAP MATERIALS** |  |
|  |  |  | Prepared on durable white paper. {P.A. 132, Sec. 3 (1)} |  |
|  |  |  | 8 1/2 inches wide by 14 inches long. {P.A. 132, Sec. 3 (1)} |  |
|  |  |  | Made with non-fading black ink. {P.A. 132, Sec. 3 (1)} |  |
|  |  |  | **MAP ITEMS & LEGEND** |  |
|  |  |  | Border, Title Block and Map Symbols shall be of the current MDOT Certified Survey Template. |  |
|  |  |  | North arrow shown and properly orientated. {P.A. 132, Sec. 3 (1.i)} |  |
|  |  |  | Scale of not more than 1 inch = 500 feet (ensure plotted map scales correctly). {P.A. 132, Sec. 3 (1)} |  |
|  |  |  | Scale shown numerically. |  |
|  |  |  | Scale shown graphically. |  |
|  |  |  | Label Point of Commencement (if applicable). |  |
|  |  |  | Label Point of Beginning. |  |
|  |  |  | Show area of parcel(s) in both acres (to the nearest thousandth of an acre) and square feet (to the nearest square foot). |  |
|  |  |  | Show MDOT Parcel number for the Acquisition Parcel. |  |
|  |  |  | Show address and Parcel/Tax ID for the Parent Parcel. |  |
|  |  |  | **CERTIFICATES and NOTES** |  |
|  |  |  | Certificate appears on the drawing and bears original signature and seal of Michigan Licensed Land Surveyor. {P.A. 132, Sec. 3 (1.a)} |  |
|  |  |  | Certificate states it meets the requirements of P.A. 132 of 1970, as amended. |  |
|  |  |  | Contains description of land surveyed by bearings and distances. {P.A. 132, Sec. 3 (1.a)} |  |
|  |  |  | Description commences with some corner marked and established in the United states public land survey. {P.A. 132, Sec. 3 (1.a)} |  |
|  |  |  | If a lot in a recorded platted subdivision is  surveyed or divided, the exterior boundaries of the lot surveyed and divided shall be referenced to existing lot  corners and the controlling monuments used for that survey. {P.A. 132, Sec. 3 (1.b)} {P.A. 74, Sec. 2} |  |
|  |  |  | Include the ratio of closure of latitudes and departures. |  |
|  |  |  | Identify Michigan Coordinate System (MCS) Zone used for coordinate list. |  |
|  |  |  | Identify method used to establish MCS (RTK GPS, OPUS, existing project control…) |  |
|  |  |  | Identify that the distances shown are Grid Distances. |  |
|  |  |  | Show the Average Combined Scale Factor of the project. |  |
|  |  |  | Denote the method of survey used to establish the coordinate system. |  |
|  |  |  | Identify, by name, the NGS Horizontal Control Point, MDOT CORS station or MDOT Primary Control Point utilized to establish the coordinate system. |  |
|  |  |  | **SURVEY DRAWING** |  |
|  |  |  | The exterior boundary lines of land surveyed and divided, together with line(s) leading to the U.S public land survey corner(s) from which the land is described. {P.A. 132, Sec. 3 (1.b)} |  |
|  |  |  | A boundary along a lake or stream shall be defined by a meander line connecting the side boundaries of the parcel. {P.A. 132, Sec. 3 (1.b)} |  |
|  |  |  | If a lot in a recorded subdivision is divided, the exterior boundary of the lot shall be referenced to existing lot corners and controlling monuments used for that survey. {P.A. 132, Sec. 3 (1.b)} |  |
|  |  |  | If a boundary line(s) follows or is parallel to a section line, the section line shall be defined at its extremities by a PLSS corner. {P.A. 132, Sec. 3 (1.c)} |  |
|  |  |  | For curved boundary lines show: central angle, length of arc, radius length and bearing of long chord. {P.A. 132, Sec. 3 (1.d)} |  |
|  |  |  | Show lengths and bearings as Recorded (R) and Measured (M) when necessary. {P.A. 132, Sec. 3 (1.e)} |  |
|  |  |  | The length and bearing of each line. {P.A. 132, Sec. 3 (1.f)} |  |
|  |  |  | The exact width of each street, highway, alley, and easement. {P.A. 132, Sec. 3 (1.f)} |  |
|  |  |  | Distance from meander line(s) to apparent ordinary high water line of Great Lakes waters and to the water's edge of inland lakes and streams. {P.A. 132, Sec. 3 (1.f)} |  |
|  |  |  | **PARCEL DESCRIPTION** |  |
|  |  |  | Utilizes a metes and bounds description style. |  |
|  |  |  | Commences at a monumented PLSS Corner, Property Controlling Corner, or Private Claim Corner. |  |
|  |  |  | Address Plat and Condominium boundaries with calls. |  |
|  |  |  | Utilizes calls to monumentation and runs along retraced lines of survey. |  |
|  |  |  | Legal description adequately describes the land surveyed. |  |
|  |  |  | State area of parcel in both acres (to the nearest thousandth of an acre) and square feet (to the nearest square foot). |  |
|  |  |  | A statement noting any gaps, gores or overlaps discovered during the survey will be disclosed in the “Notes” section of the Certificate. |  |
|  |  |  | Parcels with a gap, gore or overlap will include a line description, relative to the alignment used for the R.O.W. acquisition, for the take followed by a metes and bounds description (this is done in order to define and govern the intention to take everything within the new R.O.W.). |  |
|  |  |  | **PLSS CORNERS** |  |
|  |  |  | Each PLSS corner shall be duly witnessed to a permanent object. {P.A. 132, Sec. 3 (1.c)} |  |
|  |  |  | Each property controlling corner shall be duly witnessed to a permanent object. {P.A. 74, Sec. 3b} |  |
|  |  |  | Four witnesses listed for each PLSS corner |  |
|  |  |  | The kind and material of monumentation marking the PLSS corner. {P.A. 132, Sec. 3 (1.c)} |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  | **PARCEL MONUMENTATION & LOCATION:** |  |
|  |  |  | Corners shall be monumented in the field with permanent markers which possess a magnetic field, unless previously monumented with iron stakes, capped with some device legibly showing the license number of the Licensed Land Surveyor placing them. {P.A. 132, Sec. 2 (2)} |  |
|  |  |  | Points of intersection of boundary or lot lines with highways, streets and alleys. {P.A. 132, Sec. 2 (2)} |  |
|  |  |  | Points of intersection of boundary or lot lines with section lines. {P.A. 132, Sec. 2 (2)} |  |
|  |  |  | Points of intersection of boundary or lot lines with meander lines. {P.A. 132, Sec. 2 (2)} |  |
|  |  |  | Reference corner(s) shown. {P.A. 288 Sec 125 (5)} |  |
|  |  |  | Precise location of reference corners(s) clearly indicated on the map and referenced to the true point. {P.A. 288 Sec 125 (5)} |  |
|  |  |  | Monuments set flush with ground where practicable {P.A. 288 Sec 125 (7)} |  |
|  |  |  | **MDOT ITEMS** |  |
|  |  |  | Indicate type of Legal Alignment (survey, construction, etc.…) and list sources used in determination. For MDOT plans, list MDOT Plan Number , (Control Section, Job Number) and Date. |  |
|  |  |  | Station of property corners at R.O.W. |  |
|  |  |  | Station of changes in R.O.W. width. |  |
|  |  |  | Provide table listing the coordinates, and their standard deviations (P.A. 9 Sec. 6), of the Commencement Corner and all corners of the MDOT Acquisition Parcel (additional corners may optionally be included). |  |

Real Estate Portion – ACT 132 Survey Review & Comments

Reviewed By:

| Compliance | | | Requirement | Comments |
| --- | --- | --- | --- | --- |
| Yes | No | N/A |
|  |  |  | Proposed right-of-way line(s) matches what is depicted on the Final ROW plans or the Final ROW Revision(s) [Design Form 0303 ] plan sheet(s). |  |
|  |  |  | Proposed ROW line(s) calls [station ties, bearings, distances, perpendicular distance from Legal Alignment, existing right of way line(s), Plat lines matches what is depicted on the Final ROW plans or the Final ROW Revision(s) [Design Form 0303] plan sheet(s). |  |
|  |  |  | Parcel boundary lines depicted match the parcel boundary lines depicted on the Marked Final ROW plans. |  |
|  |  |  | Alignment Data [Legal Alignment shown, Stationing shown] matches what is depicted on the Final ROW plans or the Final ROW Revision(s) [Design Form 0303] plan sheet(s). |  |
|  |  |  | Government corner information matches what is depicted on the Final ROW plans or the Final ROW Revision(s) [Design Form 0303] plan sheet(s). |  |
|  |  |  | Government line information [bearing & distances, alignment station tie(s)] matches what is depicted on the Final ROW plans or the Final ROW Revision(s) [Design Form 0303] plan sheet(s). |  |

Attach additional sheets for comments or include drawings with mark-ups (if any).

**Return this checklist and any mark-ups to the Surveyor.**