

IN THE HOUSE OF REPRESENTATIVES

HOUSE BILL NO. 425

BY BUSINESS COMMITTEE

AN ACT

1 RELATING TO THE COORDINATE SYSTEM OF LAND DESCRIPTION; AMENDING SECTION
2 50-1301, IDAHO CODE, TO DEFINE A TERM AND TO MAKE TECHNICAL CORRECTIONS;
3 AMENDING SECTION 50-1304, IDAHO CODE, TO PROVIDE REQUIREMENTS
4 RELATING TO CERTAIN COORDINATES SHOWN ON A PLAT AND TO MAKE TECHNICAL
5 CORRECTIONS; AMENDING SECTION 55-1701, IDAHO CODE, TO DELETE OBSOLETE
6 LANGUAGE, TO PROVIDE FOR A SINGLE ZONE COORDINATE AREA AND TO MAKE
7 TECHNICAL CORRECTIONS; AMENDING SECTION 55-1702, IDAHO CODE, TO DELETE
8 OBSOLETE LANGUAGE, TO PROVIDE REQUIREMENTS FOR REFERENCING THE SINGLE
9 ZONE AND TO MAKE TECHNICAL CORRECTIONS; AMENDING SECTION 55-1703,
10 IDAHO CODE, TO DELETE OBSOLETE LANGUAGE AND TO REVISE PROVISIONS
11 RELATING TO PLANE COORDINATES; AMENDING SECTION 55-1704, IDAHO CODE,
12 TO REVISE PROVISIONS RELATING TO DOCUMENTS REPORTING COORDINATES
13 WITHIN TWO ZONES; AMENDING SECTION 55-1705, IDAHO CODE, TO DELETE
14 OBSOLETE LANGUAGE, TO MAKE TECHNICAL CORRECTIONS AND TO DEFINE THE
15 IDAHO COORDINATE SYSTEM OF 1983, SINGLE ZONE; REPEALING SECTION
16 55-1706, IDAHO CODE, RELATING TO THE FIVE KILOMETER TRIANGULATION
17 LIMITATION; REPEALING SECTION 55-1707, IDAHO CODE, RELATING TO THE
18 USE OF THE TERM IDAHO COORDINATE SYSTEM OF 1927, EAST, CENTRAL, WEST
19 ZONE; AMENDING SECTION 55-1708, IDAHO CODE, TO CLARIFY SUPPLEMENTAL
20 COORDINATE DESCRIPTIONS; AND AMENDING SECTION 55-1907, IDAHO CODE, TO
21 REVISE REQUIREMENTS RELATING TO COORDINATES SHOWN ON CERTAIN MAPS AND
22 PLATS.
23

24 Be It Enacted by the Legislature of the State of Idaho:

25 SECTION 1. That Section 50-1301, Idaho Code, be, and the same is hereby
26 amended to read as follows:

27 50-1301. DEFINITIONS. The following definitions shall apply to terms
28 used in this section and sections 50-1301 through 50-1334, Idaho Code.

29 ~~(1-)~~ Basis of bearing: The bearing in degrees, minutes and seconds, or
30 equivalent, of a line between two ~~(2)~~ monuments or corners that serves as the
31 reference bearing for all other lines on the survey;

32 (2) Easement: A right of use, falling short of ownership, and usually
33 for a certain stated purpose;

34 ~~2-~~(3) Functioning street department: A city department responsible
35 for the maintenance, construction, repair, snow removal, sanding and
36 traffic control of a public highway or public street system which qualifies
37 such department to receive funds from the highway distribution account to
38 local units of government pursuant to section 40-709, Idaho Code;

39 ~~3-~~(4) Idaho coordinate system: That system of coordinates established
40 and designated by chapter 17, title 55, Idaho Code;

41 ~~4-~~(5) Monument: A physical structure or object that occupies the
42 position of a corner;

- 1 ~~5.~~(6) Owner: The proprietor of the land~~7~~ (having legal title);
- 2 ~~6.~~(7) Plat: The drawing, map or plan of a subdivision, cemetery,
- 3 townsite or other tract of land, or a replatting of such, including
- 4 certifications, descriptions and approvals;
- 5 ~~7.~~(8) Private road: A road within a subdivision plat that is not
- 6 dedicated to the public and not a part of a public highway system;
- 7 ~~8.~~(9) Public highway agency: The state transportation department, any
- 8 city, county, highway district or other public agency with jurisdiction over
- 9 public highway systems and public rights-of-way;
- 10 ~~9.~~(10) Public land survey corner: Any point actually established and
- 11 monumented in an original survey or resurvey that determines the boundaries
- 12 of remaining public lands, or public lands patented, represented on an
- 13 official plat and in the field notes thereof, accepted and approved under
- 14 authority delegated by congress to the U.S. general land office and the U.S.
- 15 department of interior, bureau of land management;
- 16 ~~10.~~(11) Public right-of-way: Any land dedicated and open to the public
- 17 and under the jurisdiction of a public highway agency, where the public
- 18 highway agency has no obligation to construct or maintain said right-of-way
- 19 for vehicular traffic;
- 20 ~~11.~~(12) Public street: A road, thoroughfare, alley, highway or bridge
- 21 under the jurisdiction of a public highway agency;
- 22 ~~12.~~(13) Reference monument: A special monument that does not occupy
- 23 the same geographical position as the corner itself, but whose spatial
- 24 relationship to the corner is known and recorded~~7~~ and which serves to witness
- 25 the corner;
- 26 ~~13.~~(14) Sanitary restriction: The requirement that no building or
- 27 shelter which will require a water supply facility or a sewage disposal
- 28 facility for people using the premises where such building or shelter is
- 29 located shall be erected until written approval is first obtained from
- 30 the state board of health and welfare by its administrator or his delegate
- 31 approving plans and specifications either for public water and/or sewage
- 32 facilities, or individual parcel water and/or sewage facilities;
- 33 ~~14.~~(15) Street: A road, thoroughfare, alley, highway or a right-of-way
- 34 which may be open for public use but is not part of a public highway system nor
- 35 under the jurisdiction of a public highway agency;
- 36 ~~15.~~(16) Subdivision: A tract of land divided into five (5) or more lots,
- 37 parcels, or sites for the purpose of sale or building development, whether
- 38 immediate or future; provided that this definition shall not include a bona
- 39 fide division or partition of agricultural land for agricultural purposes.
- 40 A bona fide division or partition of agricultural land for agricultural
- 41 purposes shall mean the division of land into lots, all of which are five
- 42 (5) acres or larger, and maintained as agricultural lands. Cities or
- 43 counties may adopt their own definition of subdivision in lieu of the above
- 44 definition;
- 45 ~~16.~~(17) Witness corner: A monumented point usually on a lot line or
- 46 boundary line of a survey, near a corner and established in situations where
- 47 it is impracticable to occupy or monument the corner.

48 SECTION 2. That Section 50-1304, Idaho Code, be, and the same is hereby

49 amended to read as follows:

1 50-1304. ESSENTIALS OF PLATS. (1) All plats offered for record in any
 2 county shall be prepared in black opaque image upon stable base drafting
 3 film with a minimum base thickness of 0.003 inches, by either a photographic
 4 process using a silver image emulsion or by use of a black opaque drafting
 5 film ink, by mechanical or handwritten means. The drafting film and image
 6 thereon shall be waterproof, tear resistant, flexible, and capable of
 7 withstanding repeated handling, as well as providing archival permanence.
 8 If ink is used on drafting film, the ink surface shall be coated with a
 9 suitable substance to assure permanent legibility. The drafting film
 10 must be of a type which can be reproduced by either a photographic or diazo
 11 process. Plats shall be eighteen (18) inches by twenty-seven (27) inches
 12 in size, with a three and one-half (3 1/2) inch margin at the left end for
 13 binding and a one-half (1/2) inch margin on all other edges. No part of
 14 the drawing or certificates shall encroach upon the margins. Signatures
 15 shall be in reproducible black ink. The sheet or sheets which contain the
 16 drawing or diagram representing the survey of the subdivision shall be drawn
 17 at a scale suitable to ~~insure~~ ensure the clarity of all lines, bearings and
 18 dimensions. In the event that any subdivision is of such magnitude that the
 19 drawing or diagram cannot be placed on a single sheet, serially numbered
 20 sheets shall be prepared and match lines shall be indicated on the drawing
 21 or diagram with appropriate references to other sheets. The required
 22 dedications, ~~acknowledgements~~ acknowledgments and certifications shall
 23 appear on any of the serially numbered sheets.

24 (2) The plat shall show: (a) the streets and alleys, with widths
 25 and courses clearly shown; (b) each street named; (c) all lots numbered
 26 consecutively in each block, and each block lettered or numbered, provided,
 27 however, in a platted cemetery, that each block, section, district or
 28 division and each burial lot shall be designated by number or letter or
 29 name; (d) each and all lengths of the boundaries of each lot shall be shown,
 30 provided, however, in a platted cemetery, that lengths of the boundaries
 31 of each burial lot may be shown by appropriate legend; (e) the exterior
 32 boundaries shown by distance and bearing; (f) descriptions of survey
 33 monuments; (g) point of beginning with ties to at least two (2) public land
 34 survey corner monuments in one (1) or more of the sections containing the
 35 subdivision, or in lieu of public land survey corner monuments, to two
 36 (2) monuments recognized by the county surveyor; and also, if required
 37 by the city or county governing bodies, give coordinates based on the
 38 Idaho coordinate system; (h) the easements; (i) basis of bearings; and (j)
 39 subdivision name.

40 (3) When coordinates in the Idaho coordinate system are shown on a
 41 plat, the plat must show the national spatial reference system monuments and
 42 their coordinates used as the basis of the survey; the zone; the datum and
 43 adjustment; and the combined adjustment factor and the convergence angle and
 44 the location where they were computed.

45 SECTION 3. That Section 55-1701, Idaho Code, be, and the same is hereby
 46 amended to read as follows:

47 55-1701. ESTABLISHING COORDINATE SYSTEM -- DESIGNATING ZONES. (1) The
 48 system of plane coordinates which has been established by the national ocean
 49 service/national geodetic survey, ~~formerly the United States coast and~~

1 ~~geodetic survey,~~ or its successors, for defining and stating the positions
 2 or locations of points ~~on the surface of the earth~~ within the state of Idaho
 3 is to be known and designated as the "Idaho coordinate system of 1983." ~~and~~
 4 ~~the "Idaho coordinate system of 1927." "The Idaho coordinate system of 1927"~~
 5 ~~may be used through December 31, 1995.~~ On and after January 1, 1996, only the
 6 "Idaho coordinate system of 1983" shall be used.

7 (2) For the purpose of the use of this system the state is either
 8 divided into an "east zone," a "central zone," and a "west zone." or
 9 alternatively, a state comprehensive "single zone."

10 (3) The area ~~now~~ included in the following counties shall constitute
 11 the ~~East Z~~zone: Bannock, Bear Lake, Bingham, Bonneville, Caribou, Clark,
 12 Franklin, Fremont, Jefferson, Madison, Oneida, Power and Teton.

13 (4) The area ~~now~~ included in the following counties shall constitute
 14 the ~~C~~entral ~~Z~~zone: Blaine, Butte, Camas, Cassia, Custer, Gooding, Jerome,
 15 Lemhi, Lincoln, Minidoka and Twin Falls.

16 (5) The area ~~now~~ included in the following counties shall constitute
 17 the ~~W~~est ~~Z~~zone: Ada, Adams, Benewah, Boise, Bonner, Boundary, Canyon,
 18 Clearwater, Elmore, Gem, Idaho, Kootenai, Latah, Lewis, Nez Perce, Owyhee,
 19 Payette, Shoshone, Valley and Washington.

20 (6) The area included within the boundaries of the state of Idaho shall
 21 constitute the single zone.

22 SECTION 4. That Section 55-1702, Idaho Code, be, and the same is hereby
 23 amended to read as follows:

24 55-1702. ZONE REFERENCES. (1) As established for use in the east zone,
 25 ~~the Idaho coordinate system of 1927 or~~ the Idaho coordinate system of 1983
 26 shall be named, and in any land description document in which it is used
 27 it shall be designated the ~~"Idaho coordinate system of 1927, east zone" or~~
 28 "Idaho coordinate system of 1983, east zone."

29 (2) As established for use in the central zone, ~~the Idaho coordinate~~
 30 ~~system of 1927 or~~ the Idaho coordinate system of 1983 shall be named, and in
 31 any land description document in which it is used it shall be designated the
 32 ~~"Idaho coordinate system of 1927, central zone" or~~ "Idaho coordinate system
 33 of 1983, central zone."

34 (3) As established for use in the west zone, ~~the Idaho coordinate system~~
 35 ~~of 1927 or~~ the Idaho coordinate system of 1983 shall be named, and in any land
 36 description document in which it is used it shall be designated the ~~"Idaho~~
 37 ~~coordinate system of 1927, west zone" or~~ "Idaho coordinate system of 1983,
 38 west zone." ~~For limitations on the use of the coordinate systems of 1927 and~~
 39 ~~1983, see section 55-1710, Idaho Code.~~

40 (4) As established for use in the single zone, the Idaho coordinate
 41 system of 1983 shall be named, and in any document in which it is used it shall
 42 be designated the "Idaho coordinate system of 1983, single zone."

43 SECTION 5. That Section 55-1703, Idaho Code, be, and the same is hereby
 44 amended to read as follows:

45 55-1703. PLANE COORDINATES. The plane coordinates ~~of a point on the~~
 46 ~~earth's surface,~~ to be used in expressing the position or location of ~~such~~
 47 a point in the appropriate zone of this system, shall consist of two (2)

1 ~~distances, expressed in United States survey feet and decimals of a foot~~
 2 ~~when using the Idaho coordinate system of 1927 and expressed in meters~~
 3 ~~and decimals of a meter or in United States survey feet and decimals of~~
 4 ~~a foot when using the Idaho coordinate system of 1983. For state plane~~
 5 ~~coordinate system 27 (SPCS 27), one (1) of these distances, to be known as~~
 6 ~~the "x coordinate," shall give the position in an east and west direction,~~
 7 ~~the other, to be known as the "y coordinate," shall give the position in~~
 8 ~~a north and south direction. For state plane coordinate system 83 (SPCS~~
 9 ~~83), For conversion purposes, one (1) United States survey foot equals~~
 10 ~~one thousand two hundred (1,200) divided by three thousand nine hundred~~
 11 ~~thirty-seven (3,937) meters. One (1) of these distances, to be known as~~
 12 ~~"northing" or "N" shall give the position in a north-and-south direction;~~
 13 ~~the other, to be known as the "easting" or "E" shall give the position in an~~
 14 ~~east-and-west direction. These coordinates shall be made to depend upon and~~
 15 ~~conform to the plane rectangular coordinate values for of the monumented~~
 16 ~~points of the North American national geodetic horizontal network national~~
 17 ~~spatial reference system as published maintained and provided by the~~
 18 ~~national ocean service/national geodetic survey or its successors, and such~~
 19 ~~plane coordinates shall have been computed on the systems defined in this~~
 20 ~~chapter. Any such station may be used for establishing a survey connection~~
 21 ~~to either the Idaho coordinate system of 1927 or the Idaho coordinate system~~
 22 ~~of 1983, and after December 31, 1995, only to the Idaho coordinate system of~~
 23 ~~1983.~~

24 SECTION 6. That Section 55-1704, Idaho Code, be, and the same is hereby
 25 amended to read as follows:

26 55-1704. ~~TRACTS EXTENDING INTO DOCUMENTS REPORTING COORDINATES~~
 27 ~~WITHIN TWO ZONES.~~ When any ~~tract of land to be defined by a single description~~
 28 ~~extends from one into another of the above document reports coordinates~~
 29 ~~that lie within two (2) coordinate zones, the position coordinates of all~~
 30 ~~points on its boundaries may be referred shall refer to either one (1) of such~~
 31 ~~the zones, the zone which is used being specifically shall be named in the~~
 32 ~~description document.~~

33 SECTION 7. That Section 55-1705, Idaho Code, be, and the same is hereby
 34 amended to read as follows:

35 55-1705. ~~ADOPTION OF NATIONAL OCEAN SERVICE/NATIONAL GEODETIC SURVEY~~
 36 ~~ZONE DEFINITIONS.~~ ~~(1) For the purpose of more precisely defining the Idaho~~
 37 ~~coordinate system of 1927, the following definition by the national ocean~~
 38 ~~service/national geodetic survey is adopted:~~

39 ~~The Idaho coordinate system of 1927, east zone, is a transverse mercator~~
 40 ~~projection of the Clarke spheroid of 1866 having a central meridian 112°10'~~
 41 ~~west of Greenwich, which meridian has a reduced scale of one part in 19,000.~~
 42 ~~The origin of coordinates is at the intersection of the meridian 112°10' west~~
 43 ~~of Greenwich and the parallel 41°40' north latitude. This origin is given~~
 44 ~~the coordinates: x=500,000 feet and y=0 feet.~~

45 ~~The Idaho coordinate system of 1927, central zone, is a transverse~~
 46 ~~mercator projection of the Clarke spheroid of 1866, having a central~~
 47 ~~meridian 114°00' west of Greenwich which meridian has a reduced scale of~~

1 ~~one part in 19,000. The origin of coordinates is at the intersection of the~~
 2 ~~meridian 114°00' west of Greenwich and the parallel 41°40' north latitude.~~
 3 ~~This origin is given the coordinates: x=500,000 feet and y=0 feet.~~

4 ~~The position of the Idaho coordinate system of 1927, west zone, is a~~
 5 ~~transverse mercator projection of the Clarke spheroid of 1866, having a~~
 6 ~~central meridian 115°45' west of Greenwich, which meridian has a reduced~~
 7 ~~scale of one part in 15,000. The origin of coordinates is at the intersection~~
 8 ~~of the meridian 115°45' west of Greenwich and the parallel 41°40' north~~
 9 ~~latitude. This origin is given the coordinates: x=500,000 feet and y=0~~
 10 ~~feet.~~

11 ~~(2) For the purpose of more precisely defining the Idaho coordinate~~
 12 ~~system of 1983, the following definitions by the national ocean~~
 13 ~~service/national geodetic survey is are adopted:~~

14 (1) The Idaho coordinate system of 1983, east zone, is a transverse
 15 mercator projection of the North American datum of 1983 based on the geodetic
 16 reference system of 1980 (GRS 80), having a central meridian 112°10' west
 17 of Greenwich, which meridian has a reduced scale of one (1) part in nineteen
 18 thousand (19,000). The origin of coordinates is at the intersection of the
 19 meridian 112°10' west of Greenwich and the parallel 41°40' north latitude.
 20 This origin is given the coordinates: N=0 meters and E=200,000 meters.

21 (2) The Idaho coordinate system of 1983, central zone, is a transverse
 22 mercator projection of the North American datum of 1983 based on the geodetic
 23 reference system of 1980 (GRS 80), having a central meridian 114°00' west
 24 of Greenwich, which meridian has a reduced scale of one (1) part in nineteen
 25 thousand (19,000). The origin of coordinates is at the intersection of the
 26 meridian 114°00' west of Greenwich and the parallel 41°40' north latitude.
 27 This origin is given the coordinates: N=0 meters and E=500,000 meters.

28 (3) The Idaho coordinate system of 1983, west zone, is a transverse
 29 mercator projection of the North American datum of 1983 based on the geodetic
 30 reference system of 1980 (GRS 80), having a central meridian 115°45' west
 31 of Greenwich, which meridian has a reduced scale of one (1) part in fifteen
 32 thousand (15,000). The origin of coordinates is at the intersection of the
 33 meridian 115°45' west of Greenwich and the parallel 41°40' north latitude.
 34 This origin is given the coordinates: N=0 meters and E=800,000 meters.

35 ~~(34) The position of the Idaho coordinate system shall be as marked~~
 36 ~~on the ground by triangulation, traverse and global positioning satellite~~
 37 ~~system stations established in conformity with the standards adopted by~~
 38 ~~the national ocean service/national geodetic survey for A-order, B-order,~~
 39 ~~first order and second order work, whose geodetic positions have been~~
 40 ~~rigidly adjusted on the North American datum of 1927 and further refined on~~
 41 ~~the North American datum of 1983, and whose coordinates have been computed~~
 42 ~~on the system herein defined. Any such station may be used for establishing~~
 43 ~~a survey connection with either the Idaho coordinate system of 1927 or the~~
 44 ~~Idaho coordinate system of 1983, and after December 31, 1995, only to the~~
 45 ~~Idaho coordinate system of 1983~~ The Idaho coordinate system of 1983, single
 46 zone, is a transverse mercator projection of the North American datum of 1983
 47 based on the geodetic reference system of 1980 (GRS 80), having a central
 48 meridian 114°00' west of Greenwich, which meridian has a reduced scale of
 49 one (1) part in two thousand five hundred (2,500). The origin of coordinates
 50 is at the intersection of the meridian 114°00' west of Greenwich and the

1 parallel 42°00' north latitude. This origin is given the coordinates:
 2 N=1,200,000 meters and E=2,500,000 meters.

3 SECTION 8. That Section [55-1706](#), Idaho Code, be, and the same is hereby
 4 repealed.

5 SECTION 9. That Section [55-1707](#), Idaho Code, be, and the same is hereby
 6 repealed.

7 SECTION 10. That Section 55-1708, Idaho Code, be, and the same is hereby
 8 amended to read as follows:

9 55-1708. COORDINATE DESCRIPTIONS SUPPLEMENTAL. Whenever coordinates
 10 based on the Idaho coordinate system are used to describe any tract of land
 11 which in the same document is also described by reference to any subdivision,
 12 line or corner of the United States public land surveys, the description
 13 by coordinates shall be construed as supplemental to the basic description
 14 of such subdivision, line or corner contained in the official plats and
 15 field notes of the United States public land surveys filed of record, and in
 16 the event of any conflict the description by reference to the subdivision,
 17 line or corner of the United States public land surveys shall prevail
 18 over the description by coordinates unless said coordinates are upheld by
 19 adjudication, at which time the coordinate description shall prevail. Every
 20 recorded map, survey or conveyance or other instrument affecting title to
 21 real property which delineates, describes or refers to such property or any
 22 part thereof by reference to coordinates based upon the designated Idaho
 23 coordinate system shall also describe the property by reference and tie
 24 to either section corner or quarter corner monuments of the United States
 25 public land surveys.

26 SECTION 11. That Section 55-1907, Idaho Code, be, and the same is hereby
 27 amended to read as follows:

28 55-1907. COORDINATES -- BASIS. When coordinates in the Idaho
 29 coordinate system are shown on a record of survey map, subdivision plat or a
 30 highway right-of-way plat, the map or the plat must show:

31 ~~(1) ¶the national spatial reference system monuments and their~~
 32 ~~coordinates used as the basis of the ~~coordinates,~~ survey; the zone; the~~
 33 ~~datum, and adjustment; and the combined adjustment factor and the ~~zone,~~~~
 34 ~~convergence angle and the location where they were computed.~~

35 ~~(2) If GPS is used, a statement that current national geodetic~~
 36 ~~survey procedures were used to establish the coordinates, along with the~~
 37 ~~classification order.~~