Seattle Department of Transportation

Seattle Department of Transportation
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www.seattle.gov/utilities/construction-and-development/land-survey

SURVEY CHECKLIST

Effective Date 12/19/19

SDOT Project #: _____ DCI Project #: _____

Project/Site Address: _____

Applicant Name: _____

A complete survey is required for plans that are considered to be 30% + complete. The survey sheets must be submitted as a **separate plan** without any proposed improvements shown, and must contain the elements listed below.

I verify that my survey is complete and that it meets all survey requirements in CAM 2212. I further verify that the survey meets all standards of practice. I acknowledge that failure to submit a complete survey will result in my plan not being accepted for 30%+ SIP Design Guidance and/or formal review.

Applicant Signature: _____ Date: _____

Land Surveyor Signature: _____ Date: _____

SURVEYOR MUST COMPLETE ENTIRE CHECKLIST

DRAFTING REQUIREMENTS

- ☐ All abbreviations, shading & symbols, and line weights for all existing improvements are shown using Standard Plans No 002 & 003.
- ☐ The survey is stamped and signed by a Washington State Licensed Land Surveyor.
- ☐ All information provided is readable.
- ☐ Sheet size is 22" x 34".
- ☐ The north arrow is oriented with plan north to the left or the top of the sheet.
- ☐ The minimum scale on the survey is 1" = 40'.
- ☐ A bar scale is provided and is scalable.
- ☐ The lettering is a minimum 0.08".
- ☐ Each street frontage is labeled with the street name.
- ☐ The project limits are marked and identified.
- ☐ The survey is shown for the entire right of way, 10 feet into the property being developed and 50 feet beyond the project limits.
- ☐ The entire intersection including all four corners up to the far point of tangency of each curb return or roadway edge must be included in the survey for projects adjacent to an intersection.
- ☐ If improvements will be made to an unopened or unimproved alley, the survey boundaries must extend to the intersecting street(s).

CONTROL REQUIREMENTS

☐ Current NGS Vertical Datum (including date of survey).

☐ At least two (2) vertical benchmarks are shown and included in the surveyor's notes in the following format. One must be a published benchmark. The rest may be site benchmarks.

VERTICAL DATUM BENCHMARK
OWNER: _____
IDENTIFIER: _____
DESCRIPTION: _____
LOCATION: _____
ELEVATION: _____

☐ Current NGS Horizontal Datum (including epoch date).

☐ Basis of Bearings for horizontal control

☐ At least two monuments are shown for each street frontage and included in the surveyor's notes in the following format:

HORIZONTAL
CONTROL POINT: _____
IDENTIFIER: _____
DESCRIPTION: _____
LOCATION: _____
SCALE FACTOR BASIS: _____
northing: _____ easting: _____
SCALE FACTOR: _____
ELEVATION FACTOR: _____
COMBINED GRID FACTOR: _____

☐ If no monuments exist, then other documentation and reference materials are provided for the alignment of each street frontage.

☐ Source references and methods used to determine right of way are documented and provided. Examples of documentation include but not limited to: King County Record of Surveys, or Superior Court Decisions, City Ordinances, recorded deeds, etc.

☐ Lines referencing the ROW, centerlines, monument lines, property lines, easements, and rights in real property are shown and identified with bearing & distance.

☐ Radius, delta angle, and curve length are shown for any curving lines.

☐ Dimensions from monument lines to right of way lines are shown for each side of the right of way.

☐ If the monument line and the construction centerline are not the same, dimensions from the monument line to the construction centerline are shown.

TOPOGRAPHIC SURVEY REQUIREMENTS

☐ The existing contours are shown.

☐ Spot elevations are shown at least every 25 feet at the crown, flow line, top of curb and property line.

☐ Existing building outlines on the project site that are within 10 feet of the right of way are shown.

PRIVATE ENCROACHMENTS

☐ All private encroachments in the right of way such as fences, rockeries, and retaining walls are shown. Note location, type, length, width, and heights at end and mid points.

ROADWAY STRUCTURES

☐ The location, length, and width of any existing areaways are shown.

☐ The location, length, width and spot elevations on the top and base of any traffic barriers and guardrails are shown.

☐ The location, length, width, and spot elevations on the decks of any bridges are shown. Locations of all supporting elements are shown.

☐ The location, length, width, and spot elevations on the top and bottom of any retaining walls and rockeries are shown.

☐ The location, length, width, and top and bottom elevations of any stairs are shown.

PAVEMENT, SIDEWALKS AND CURBS

- [ ] The edge of existing pavement is shown.
- [ ] All curb ramp locations are shown including wings and truncated domes.
- [ ] Spot elevations are shown for each side of the curb ramp at the flow line, top of curb ramp, and property line for all existing curb ramps.
- [ ] All curbs are shown.
- [ ] All cement concrete sidewalks are shown and identified.
- [ ] All pedestrian pathways are shown.
- [ ] All driveways are shown including the wings and the elevations at the flow line, back of walk, and property line are noted.

LANDSCAPING AND TREES

- [ ] All existing trees within the right of way and adjacent to the right of way are shown.
- [ ] The drip lines of all existing trees are shown.
- [ ] All existing planting areas within the right of way are shown.
- [ ] All existing water features are shown.

WATER, SEWER AND DRAINAGE INFRASTRUCTURE

- [ ] All mainlines are shown, noted as PSS, PSD, or PS.
- [ ] All catch basins are shown and rim and invert elevations are noted.
- [ ] All inlets are shown and rim and invert elevations are noted.
- [ ] All maintenance holes are shown and rim and invert elevations are noted.
- [ ] Structures with more than one pipe entering or exiting the structure are identified with invert elevations and direction of all pipes.
- [ ] All water mainlines are shown indentified.
- [ ] All water structure elements (valves, etc) are shown and identified.
- [ ] All water meters are shown and identified.
- [ ] All water vaults are shown and identified.
- [ ] All King County Sewer Mains are shown and identified.
- [ ] All side sewer and service drains are shown and identified.

METRO, LIGHTING, AND ELECTRICAL INFRASTRUCTURE

- [ ] Street and pedestrian light poles are shown and identified.
- [ ] All poles are shown and identified with material type and owner if possible (SCL, Metro, SDOT, etc.).
- [ ] All Metro Transit trolley lines are shown and identified.
- [ ] All Metro Transit bus stops and/or layover facilities are shown and identified.
- [ ] All hand holes, maintenance holes and vaults for street and/or pedestrian lighting, SCL infrastructure, and Metro infrastructure are shown and identified.
- [ ] All overhead and underground conduits, cables, and wires for street and/or pedestrian lighting, SCL infrastructure, and Metro infrastructure are shown and identified with owner if possible (SCL, Metro, SDOT, etc.).

PRIVATE UTILITIES

- [ ] All overhead and underground conduits, cables, and wires are shown and identified with owner.
- [ ] All poles are shown and identified.
- [ ] All utility vaults are shown and identified.
- [ ] All utility hand holes are shown and identified.
- [ ] All utility maintenance holes are shown and identified.

PARKS

- [ ] All Parks properties adjacent to the property being developed are shown and identified.
- [ ] All designated Parks boulevards or ROWs adjacent to the property being developed are shown and identified.

TRAFFIC ELEMENTS

- [ ] All signal equipment (signals, controllers, detector loops, etc) including above and below grade items are shown and identified.
- [ ] Spot elevations at all four corners for all signal equipment foundations are shown.
- [ ] All overhead and underground conduits, cables, and wires are shown and identified.
- [ ] All traffic striping and markings are shown and identified.
- [ ] All pay stations and parking meters are shown and identified.

SIP PROJECT MANAGER SCREENING COMMENTS: