



SDOT Project # _____ **DPD Project #** _____

Project/Site Address: _____

Applicant Name _____

A complete base map and survey is required for plans that are considered to be 30% + complete. The base map and survey must be submitted as a **separate plan** and must also be included and screened back on your Street Improvement Plans.

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

Applicant Signature: _____ **Date:** _____

Land Surveyor or Civil Engineer Signature: _____ **Date:** _____

APPLICANT, ENGINEER, AND/OR SURVEYOR MUST COMPLETE ENTIRE CHECKLIST

DRAFTING REQUIREMENTS

- All abbreviations, shading & symbols for all existing improvements are shown using Standard Plans No 002 & 003.
- Sheet size is 22" x 34".
- The base map and survey is stamped and signed by a Washington State Licensed Engineer or Land Surveyor.
- All information provided is readable.
- The north arrow is oriented with plan north to the left or the top of the sheet.
- The horizontal scale for the base map is 1" = 10'.
- The minimum scale on the survey is 1" = 40'.
- If the base map and survey are combined on one document the scale is 1" = 10'.
- A bar scale is provided and is scalable.

- The lettering for base maps is a minimum of 0.12".
- The lettering for surveys is a minimum of L80 (0.08").
- Each street frontage is labeled with the street name.

CONTROL REQUIREMENTS

- The base map and survey include the **full** width of the rights of way adjacent to the project site, for at least 10' beyond the rights of way onto the private parcel(s) being improved, and extend at least 50 linear feet along the right of way beyond all of the boundaries of the project site and/or proposed work.
- The entire intersection including all four corners up to the far point of tangency of each curb return or roadway edge is included in the survey for projects located adjacent to an intersection.

- If improvements will be made to an unopened or unimproved alley the survey boundaries are extended to the intersecting street(s).
- Base map information is shown for the area where right of way improvement construction will impact existing infrastructure elements.
- Benchmarks used to establish ties to datum are included in the surveyor's notes
- At least two (2) vertical and horizontal benchmarks are shown and data sheets are provided. One may be a site benchmark.
- Vertical Datum used is NAVD 1988.
- Vertical control to establish ties to datum are included in the surveyor's notes in the following format:

VERTICAL DATUM BENCHMARK

OWNER: _____
 IDENTIFIER: _____
 DESCRIPTION: _____
 LOCATION: _____
 ELEVATION: _____

- Horizontal Datum used is NAD83(1991).
- Horizontal control to establish ties to datum are shown in the surveyor's notes in the following format:

HORIZONTAL DATUM BENCHMARK

OWNER: _____
 IDENTIFIER: _____
 DESCRIPTION: _____
 LOCATION: _____
 NORTHING: _____
 EASTING: _____

- At least two monuments are shown for each street frontage.
- All monuments are shown and described with coordinates and descriptions.
- Monument and centerline geometry & references used to establish ROW are shown and provided.

- Lines referencing the ROW, centerlines, monument lines, property lines, easements, and rights in real property are shown.
- Bearing & distance on all monument lines and property lines are shown.
- Radius, delta angle, and curve length are shown for any curving monument lines.
- Dimensions from monument lines to right of way lines are shown for each side of the right of way.
- Dimensions from the monument lines to the centerline of the right of way are shown.
- Source references and methods used to determine right of way are documented and provided.
- If no monuments exist then other documentation and reference materials are provided for the alignment of each street frontage.
- All elevations are shown in U.S. Survey Foot Units.

TOPOGRAPHIC SURVEY REQUIREMENTS

- The existing contours are shown.
- Existing building outlines 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 tops of any traffic barriers are shown.
- The location, length, width, and spot elevations on the decks of any bridges are shown.

- The location, length, width, and spot elevations on the tops of any retaining walls are shown.
- The location, length, width, and spot elevations on the tops of any 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 and the existing pavement type is called out.
- Curb ramp location, including the wings and landing areas are shown and identified.
- All curbs are shown and identified with type and the elevation at the top of curb and flow line is noted.
- All cement concrete sidewalks are shown and identified.
- All pedestrian pathways are shown and the type of pavement is called out.
- 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 line of all existing trees is shown.
- All existing planting areas within the right of way are shown.
- All existing water features are shown.

SPU INFRASTRUCTURE (DRAINAGE, SEWER, AND WATER)

- All PSD mainlines are shown and the pipe type and size is identified; pipe type and size for base maps only.

- All catch basins are shown and identified with type of structure, rim elevation, and invert elevation noted; type of structure for base maps only.
- All inlets are shown and identified with type of structure, rim elevation, and invert elevation noted; type of structure for base maps only.
- All manholes are shown and identified with type of structure, rim elevation, and invert elevation noted; type of structure for base maps only.
- Drainage structures with more than one pipe entering or exiting the structure are identified with invert elevations and direction of all pipes.
- All PSS mainlines are shown and the pipe type and size is identified; pipe type and size for base maps only.
- All PSS manholes are shown and identified with type of structure, rim elevation and invert elevation noted; type of structure for base maps only.
- All water mainlines are shown and the pipe type and size is identified; pipe type and size for base maps only.
- All water structure elements (valves, etc) are shown and identified; type of structure for base maps only.
- 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; required for base maps only.
- The source and the information used for identifying all underground utilities are provided on a separate source list. Sources may include: potholing, side sewer cards, utility and franchise maps etc.

**METRO, LIGHTING, AND ELECTRICAL
INFRASTRUCTURE**

- Street and pedestrian light poles are shown and identified.
- All SCL poles are shown and identified.
- All Metro Transit trolley poles are shown and identified.
- 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, manholes and vaults for street and/or pedestrian lighting, SCL infrastructure, and Metro infrastructure are shown and identified.
- All underground conduits, cables, and wires for street and/or pedestrian lighting, SCL infrastructure, and Metro infrastructure are shown and identified. (Required for base maps only)
- The source and the information used for identifying all underground utilities are provided on a separate source list. Sources may include: potholing, side sewer cards, utility and franchise maps etc.

PRIVATE UTILITIES

- All overhead and underground conduits, cables, and wires are shown and identified; identification required for base maps only.
- All poles are shown and identified; identification required for base maps only.

- All utility vaults are shown and identified; identification required for base maps only.
- All utility hand holes are shown and identified; identification required for base maps only.
- All utility manholes are shown and identified; identification required for base maps only.
- The source and the information used for identifying all private utilities are provided on a separate source list. Sources may include: potholing, side sewer cards, utility and franchise maps etc.

PARKS

- All Parks property adjacent to the property being developed are shown and identified.
- All designated park boulevards adjacent to the property being developed are shown and identified.

TRAFFIC ELEMENTS

- All signal equipment including above and below grade items are shown and identified; below grade items required for base maps only.
- All overhead and underground conduits, cables, and wires are shown and identified; identification required for base maps only.
- All traffic striping and markings are shown and identified.
- All pay stations and parking meters are shown and identified.
- Source information used for identifying all overhead and underground facilities is provided on a separate source list.

SIP PROJECT MANAGER SCREENING COMMENTS:
