



City of Seattle
Seattle Department of Transportation - Street Use
700 5th Avenue, Suite 2300, Seattle WA 98104
Phone: (206) 684-3679
www.seattle.gov/transportation/stuse

90% Complete SIP Plan

Checklist

Non-Standard Element Review

Permit Number: _____

Address: _____

Private Encroachments and Roadway Structures

If the Street Improvement Plan includes any of the following items, then the listed items are required.

- Encroachments - Proposed privately owned encroachments in the ROW**
 - 60% Complete SIP Approval
 - Annual Permit Number Identified on Plans
- Areaway - Installation or modification of an areaway within the ROW**
 - 60% Complete SIP Approval
 - Geotechnical Report
 - Structural Calculations
- Barriers**
 - 60% Complete SIP Approval
- Bridge - Installation or modification of any bridges**
 - 60% Complete SIP Approval
 - Geotechnical Report
 - Structural Calculations
- Retaining Wall**
 - Is the retaining wall greater than 4 feet high
 - 60% Complete SIP Approval
 - Geotechnical Report
 - Structural Calculations

Private Encroachments and Roadway Structures

- Is the retaining wall less than 4 feet high

- Per Standard Plan

If the retaining wall is not per Standard Plan, the following items are required for intake:

- 60% Complete SIP Approval
- Geotechnical Report
- Structural Calculations

Rockeries

- Per Standard Plan

If the rockery is not per Standard Plan, the following items are required for intake:

- 60% Complete SIP Approval
- Geotechnical Report
- Structural Calculations

Stairs

- Per Standard Plan

If the rockery is not per Standard Plan, the following items are required for intake:

- Geotechnical Report
- Structural Calculations
- 60% Complete SIP Approval

Pavement, Sidewalks, and Curbs

- Curb Bulbs**
 - 60% Complete SIP Approval
 - Curb Table (Radius, Station, Offsets, Elevations of PC, PRC, and P
 - Elevation of top of curb, existing and proposed flowline at back of walk and property line noted
- Curb Setback**
 - 60% Complete SIP Approval
 - Curb Table (Radius, Station, Offsets, Elevations of PC, PRC, and P
 - Elevations of top of curb, existing and proposed flowlines at back of walk and property line noted.
- New curb where no curb existed or modified curb alignment**
 - 60% Complete SIP Approval
 - Per Standard Plan
 - Is the type specified correct for the pavement section?
- New curb return where no curb return existed or modified curb return**
 - Curb Table (Radius, station, offsets, elevations of PC, PT 1/4 Points, Delta)
 - Elevations for top of curb, existing and proposed flowlines at back of walk and property line noted.
 - Radius per the Seattle Right of Way Improvements Manual
 - 60% Complete SIP Approval
- New or Modified Traffic Calming Devices**
 - 60% Complete SIP Approval
- New Road Width**
 - 60% Complete SIP Approval
 - Meets minimum width specified in the Right of Way Improvements Manual
- Modified or New Roadway Alignment**
 - 60% Complete SIP Approval
- New Street Pavement**

Pavement, Sidewalks, and Curbs

- Is the section standard as specified in the Pavement Opening and Restoration Rules 6.4 and 7.5?

If the pavement section does not meet the standard, the following items are required at intake:

- 60% Complete SIP Approval
- Design Specifications
- Are the cuts perpendicular and parallel to the centerline?
- Is the street AC
 - If the work is >100 LF is full lane restoration shown?
- Is the street PCC
 - Show joint layout
- Does the restoration area contain the entire zone of influence?
- New or Replaced Sidewalk**
 - Per Standard Plan
 - 60% Complete SIP Approval if not per standard plan
 - Meets zoning code width?
 - Is the sidewalk area greater than 750 SF
 - Porous Sidewalk
 - 60% Complete SIP Approval
 - Design Specifications
- New or modified bike trail or path**
 - 60% Complete SIP Approval
- Cross Slopes**
 - Do the cross slopes meet the min and max percentages allowed
 - 60% Complete SIP Approval if min and max %'s are not met
- New or Modified Driveway**
 - Per Standard Plan
 - 60% Complete SIP Approval required for non-standard driveways
 - Elevations at flowline, back of walk, and property line are noted at centerline of the driveway.

Pavement, Sidewalks, and Curbs

- Far enough away from an intersection.
- 5' from property line
- Cross Section**
 - For all improvements (not repair) is the cross section per Standard Plan 030
 - If not per Standard Plan 030, is there 60% Complete SIP Approval
- New or Revised Channelization**
 - Channelization labeled on plan
 - 60% Complete SIP Approval
- Crosswalks**
 - Is there an existing marked crosswalk?
 - Is the pavement being replaced within the crosswalk area?
 - Is the restoration area marked?
 - Is the area less than 6' from the curb?
 - Is the area more than 6' from the curb? If the pavement restoration is more than 6' from the curb a Stop Bar is required as part of the crosswalk restoration.
 - New, Relocated, or Shifted Crosswalk
 - 60% Complete SIP Approval

Signal, Lighting, and Electrical

- **Signal System Elements proposed or modified**
 - 60% Complete SIP Approval
 - Phase Diagram - for new signals or changed operation
 - Wiring Schedule - for new signals or changed operation
 - Components labeled as removed, replaced, relocated, connected to new equipment, or maintained in place.
 - Cross Sections - If existing signal elements to remain in place at proposed grade changes
- **Seattle City Light Infrastructure**
 - 60% Complete SIP Approval
 - Components labeled with type and size
- **Metro Infrastructure**
 - 60% Complete SIP Approval
 - Components labeled
- **Poles - Utility Poles other than SCL or Metro**
 - 60% Complete SIP Approval
 - New location shown
 - Pole to be installed by the developer
 - If the pole is not to be installed by the developer, it should be labeled "Under Separate Permit"
 - Poles labeled: to remain, to be protected, to be removed, to be replaced, to be relocated, or new. Indicate type and size.
- **New or Relocated Street or Pedestrian Lighting**
 - 60% Complete SIP Approval
 - Type and location shown
 - Hand Holes and conduits shown
 - Hand Holes and conduits labeled with type and size
 - Service location shown
 - One line wiring diagram showing wire size and circuit

Trees and SPU Infrastructure

- Trees**
 - Are tree proposed to be removed
 - 60% Complete SIP Approval
- Is the ROW being used for Green Factor Credits?**
 - 60% Complete SIP Approval
 - Drainage Elements Included (Swales, Rain Gardens, etc)
 - Green Factor Areas Clearly Identified
 - Green Factor Element Details (type of plants, rain garden details, etc)
- Alley Drainage Proposed**
 - Per Standard Plan 241 and CAM 1180
 - 60% Complete SIP Approval, if not per Standard Plan
 - Discharge point shown (PSD or Weep Hole)
 - Rim and Invert Elevations called out
 - Weep Hole Elevation called out if discharging through the curb

Plan View Requirements

 - Pipe type called out
 - Pipe slope called out
 - Pipe length noted

If a profile is required per CAM 2201, the following must be shown:

 - All structures show
 - Rim and Invert Elevations called out
 - Pipe type called out
 - Pipe slope called out
 - Pipe length noted
- Detention (2,000 SF disturbed) or Water Quality Remediation (5,000 SF Disturbed) Required**
 - 60% Complete SIP Approval
 - Drainage Report
 - Non Standard Configuration

Trees and SPU Infrastructure

- Maintenance Manual Provided
- Detail of flow control structure (orifice size, dimensions, elevations, etc)
- Detail of the water quality system
- Drainage Swale or Rain Garden**
 - 60% Complete SIP Approval
 - Drainage Report
 - Is the project located in a peat settlement area, ECA or proposing infiltration?
 - Geotechnical Report
- Water Main**
 - 60% Complete SIP Approval
 - Type of pipe noted
 - Size of pipe noted
 - Components noted (water valves, etc)

If a profile is required per CAM 2201, the following elements must be shown:

 - Type of pipe noted
 - Size of pipe noted
 - Components noted (water valves, etc)
- PSD or PSS main line**
 - 60% Complete SIP Approval
 - Drainage Report
 - Pipe type noted on plan
 - Pipe slope noted on pla
 - On private property
 - Easement per CAM 1180
 - 60% Complete SIP Approval for Non Standard Easeme
 - If a profile is required per CAM 2201, the following must be shown:
 - PSD / PSS
 - Pipe Type
 - Slope



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Checklist

General, Title Sheet and Drafting Requirements

Permit Number: _____

Address: _____

- Base Map**
 - Is the base map complete per CAM 2212?
 - Screened on the plan sheets
- Are all elements requiring separate permits called out as "Under Separate Permit"?**
- Adjacent to Park Property - Either a Boulevard or a Park**
 - Drainage impact to a Park
 - Work in an ECA that may cause impacts to a Park
 - Temporary or permanent access required from Park property
- General Notes shown on Title Sheet**
 - Standard Notes
 - SPU Sewer, SPU Drainage, and SPU Water Service and Main Note
 - Lighting and Signal Notes
- Vicinity Map shown on Title Sheet**
 - 1" = 200' Scale
 - Area of work in the ROW shaded
 - North Arrow oriented to the top or left of the page
 - For large projects: Sheet Numbers identified on the Vicinity map
- Benchmarks**
 - Two benchmarks shown (one can be a site benchmark)
 - Reasonable distance from the project
 - Location, elevation and description of benchmarks noted
- Exceptions and Deviations**

- Have any exception or deviations been granted?
- Noted on Title Sheet
- SDOT SIP Title Block on all sheet**
 - Filled out per CAM 2201
 - Engineer Stamp
- North Arrow on all sheets and oriented to the top or left**
- Bar Scale shown and scaled correctly**
- Horizontal Scale 1"=10'**
- Lettering 0.12" for improvements and dimensions or 0.10" for base maps**



Permit Number: _____

Address: _____

Drainage, Sewer, and Water

- Drain Grates**
 - Is the pavement being replaced around a CB or Inlet?
 - Grates to current standard
 - If not to current standard, they must be replaced.
- Flow Lines Shown**
 - Must direct flow to a CB or Inlet
- Catch Basins**
 - Show all proposed CBs
 - Per standard plan
 - Per CAM 1180
 - Rim and Invert Elevations called out
 - Connection to the main shown
 - Type of pipe for connection called out
 - Length of pipe called out
 - Slope of pipe called out
 - If a profile is required per CAM 2201, the CB structure and following items must be shown in profile:
 - Rim and Invert Elevations
 - Connection to the main
 - Type of pipe for the connection
 - Slope of pipe
 - Length of pipe

Drainage, Sewer, and Water

Inlets

- Show all proposed inlet
- Per Standard Plan
- Per CAM 1180
- Rim and Invert Elevations called out
- Connection to the CB shown
- Pipe type shown
- Pipe length shown
- Slope shown
- If a profile is required per CAM 2201, the Inlet structure and following items must be shown in profile:
 - Rim and Invert Elevations
 - Connection to the CB
 - Pipe type
 - Pipe slope
 - Pipe length

Manholes

- Show all proposed manholes
- Per Standard Plan
- Rim elevations called out
- Invert elevations for all pipes going in and out of the struct
- If a profile is required per CAM 2201, the MH structure and following items must be shown in profile:
 - Type of manhole
 - Rim elevation
 - Invert elevations for all pipes going in and out of the structure

Side sewer and service drain

- Show connections
- Call out Under Separate Permit

Drainage, Sewer, and Water

- King County Sewer Mains**
 - Show any connections to King County Metro Sewer lines
 - Call out "Under Separate Permit from King County Metro"
- Water Meters**
 - Show all existing water meters
 - Show all proposed water meters
 - Label all water meters as existing, new, to be retired, or to be reused
 - Show type and size
 - Show location
- Water Vaults**
 - Show all existing water vaults
 - Show all proposed water vaults
 - Show location of all water vaults
 - Show type and size of all water vaults
- Curbs to be replaced in the same locatio**
 - Per Standard Plan
 - Correct per the pavement section
- Trenches for utilities installed under SIP Permit**
 - Extent of restoration noted
 - Restoration area per the Pavement Opening and Restoration Rules
 - Restoration area includes the entire zone of influence (d/4)

Control Elements and Traffic Elements

- **Stationing, offsets and/or dimensions**
 - Offsets or dimensions are required for all infrastructure elements
 - Stations at end points must include elevation
 - Stations at match points must include elevation
- **Monuments**
 - Stations and offsets or dimensions required for all monuments
 - Description for each monument noted
 - Bearing and distances between control or monuments noted
 - Are there enough controls to establish alignment?
- **Building Outline**
 - Building outline must be shown on plan
 - Access points (vehicular and pedestrian) shown on plan
 - Elevations flowline, top of curb, back of sidewalk, and property line shown for all access points.
 - Electrical Service Connection to the building shown
 - Electrical Service connection called out "Under Separate Permit"
- **Contour Lines**
 - All contour lines shown
 - Show how the new lines tie into the old
- **Curb Ramps**
 - Called out per Standard Plan
 - 4 foot by 4 foot landing
 - Wing slope 1":10"
 - Ramp slope 1":12" (8.33%), 9"% acceptable
 - Companion ramps identified and labeled existing, retrofit, or new
 - Minimum 1 foot between curb ramps
 - 2 ramps at each corner
 - Dimensioned along curb face (ramp and wings)

Control Elements and Traffic Elements

- Handrail or Fence**
 - Required when: Slope adjacent to sidewalk is greater than 2:1 or vertical drop of more than 2.5' within 4 ' of the sidewalk edge.
- Gaurdrails**
 - Proposed guardrails
- Traffic Barriers**
 - Proposed traffic barrier
- Road Taper**
 - Proposed roadway taper
- Signage or Paystations/Meters**
 - Location and type of all proposed signag
 - Location and type of all proposed paystations or parking mete
- Bike Racks**
 - Proposed Bike Racks
 - City Owned
 - Per the Right of Way Improvements Man
 - Annual Permit required for non-city owned bike racks

Tree, Landscaping, and Electrical

- Street Light and Signal Conduits and Hand Holes**
 - Is the project in Downtown, South Lake Union, U District, an Urban Village, or Commercial Zone and replacing the sidewalk?
 - 4-3" Conduits (2-3" ELCd and 2-3" TrCd) along frontage
 - Type 5 HH at each end of the project (and mid block if over 250' span)
 - Is the project on an Arterial (other than Downtown, South Lake Union, U District, an Urban Village, or Commercial Zone) and replacing the sidewalk?
 - 2-2" ELCd and 2-3" TrCd along frontage
 - Type 5 HH at each end of the project (and mid block if over 250' span)
- Electrical Vaults**
 - All existing proposed electrical vaults shown on plan
 - Type and size noted
 - Location identified
- Electrical Hand Holes**
 - All existing and hand holes shown on plans
 - Type and size noted
 - Location identified
- Utility Ducts**
 - All proposed ducts shown on plans
 - Type and size noted
 - Location identified
- Trees**
 - Code required / additional trees proposed
 - Shown on plan
 - Labeled with size (2" min), location and species
- Tree Pits**

Tree, Landscaping, and Electrical

- Proposed modifications to any tree pits
- Tree pits dimensioned

Landscaping

- Is all proposed landscaping within the right of way shown and identified?

Medians

- Landscaping or planting in an existing median
- Is the median on a designated park boulevard?

Paved Planting Strip

- Show existing and proposed paved area



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Profile Requirements

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- A profile is required if any of the following apply**
 - New curb where a curb did not exist
 - Modified curb alignment
 - 6 feet or greater roadway widening with no existing curb
 - New main lines (PSD, PSS, or Water)
 - Improving unimproved or unopened ROW
- Vertical Scale 1"=10' or greater**
- Top of curb shown**
- Centerline and Crown of roadway shown**
- Utilities**
 - Existing utilities shown
 - Proposed utilities shown
 - Utility crossings shown
- Vertical Curve**
 - All vertical curves shown
 - Dimensioned
 - PVI Labeled
 - Stations for beginning and end points
- GradeBreaks**
 - All grade breaks identified in the profile



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Cross Section Requirements

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Cross Section Location Requirements

- New roadway proposed
 - Cross sections required every 25 feet
- New alley proposed
 - Cross sections required every 25 feet
- Each end of the project
- Centerline of each driveway
- Entrances within 10 feet of the property line
- Typical cross section for each street frontage



Cross Section Elements

- Elements dimensioned
- Elements labeled (curb, sidewalk, trees, pavement, etc)
- Elevations noted for top of curb, centerline of street, etc
- All elements called out per Standard Plans
- Existing Grades Shown
- Proposed Grades Shown
- Pavement Section Identified