

CITY OF MERCER ISLAND

Community Planning & Development

9611 SE 36TH STREET | MERCER ISLAND, WA 98040
PHONE: 206.275.7605 | www.mercerisland.gov



INSPECTION REQUESTS:

online:



voicemail:
(206) 275-7730

NOTE: ALL RECORDS AND DRAWINGS ARE SUBJECT TO PUBLIC DISCLOSURE AS REQUIRED BY RCW 42.56

CONTACT INFORMATION
Applicant is to complete the following information.
Applicant Contact information prior to permit issuance: Name: DAVID REED CAHILL ARCH, Address: PACIFIC HOMEWORKS, P.O. BOX 87, FREELAND, WA 98049, Phone: 206-250-6014, Email: rdcahill1@aol.com
Applicant Contact information post permit issuance: Name: DAVID REED CAHILL ARCHITECT, Address: PACIFIC HOMEWORKS, P.O. BOX 87, FREELAND, WA 98049, Phone: 206-250-6014, Email: rdcahill1@aol.com

It is the Engineer of Record's responsibility to specify all required Special Inspections or Structural Observation (check items below). The owner is responsible for hiring an approved private Special Inspector for the checked inspections noted below. All Special Inspectors (except Geotechnical) must be WABO certified. When Special Inspection or Structural Observation is required, the report shall be submitted to the City Building Inspector prior to the City inspection. Note: Inspection by the City Inspector is required in addition to the Special Inspection or Structural Observation indicated below. Do not cover or conceal any work prior to the City inspection.

STRUCTURAL OBSERVATION BY ENGINEER OF RECORD (EOR):
Engineer of Record: _____ Company: _____ Phone: _____
 General Conformance to Construction Documents Other: _____

SOILS / GEOTECHNICAL:
Special Inspector: _____ Company: _____ Phone: _____
 Erosion control measures Subsurface drainage placement
 Shoring installation and monitoring Verify fill material and compaction
 Observe and monitor excavation Rockery installation
 Verification of soil bearing Pile placement (auger cast/driven pile)
 Other: _____

REINFORCED CONCRETE:
Special Inspector: _____ Company: _____ Phone: _____
 Concrete strength Retaining wall construction
 Reinforcing steel and concrete placement Prestressed / Precast construction
 Shotcrete placement Other: _____

STRUCTURAL STEEL: (AISC 360, Chapter 9)
Special Inspector: _____ Company: _____ Phone: _____
 Fabrication and shop welds Moment Frame construction
 Structural steel erection, field welds and bolting Other: _____

STRUCTURAL MASONRY:
Special Inspector: _____ Company: _____ Phone: _____
 Mortar strength Glass unit masonry installation
 Masonry unit strength Wall panel and veneer installation
 Other: _____

WOOD:
Special Inspector / Engineer of Record: _____ Company: _____ Phone: _____
 Lateral resisting system construction High strength diaphragm construction
 Other: _____

OTHER SPECIAL INSPECTIONS:
Special Inspector: _____ Company: _____ Phone: _____
 Epoxy grout installations Stucco installation
 Expansion anchor installations Infiltration System
 Other post installed anchors Exterior Insulation Finish System (EIFS) installation
 Alternative construction methods: _____
 Alternative construction materials: _____

DEFERRED SUBMITTALS
The Applicant is required to select all deferred submittals / shop drawings for submittal to the City for review and approval prior to item fabrication / construction.

Connector plate wood trusses Post tension layout
 Metal joist / metal trusses Exterior cladding
 Premanufactured structures (stairs, etc.) Window wall / curtain wall construction
 Precast concrete elements Other: _____
 Other: ELECTRICAL PER ADD

RESIDENTIAL ENERGY CODE COMPLIANCE INFORMATION
Indicate where the following information is located in the drawing set. Alternatively, incorporate or include the Residential Energy Code Prescriptive Compliance (RECPC) Form into the drawing set.
Sheet: _____
 Building envelope: (include U-factors, insulation and moisture control) N/A
 Whole house ventilation: (include ventilation option and duct sizing if applicable) N/A
 Energy Credit Information: (include specific, written requirements) N/A
 RECPC Form Information: (if incorporated within drawing set) N/A
 Air Leakage Testing, (see Section 402.2.1.1) N/A
 Provide air leakage test report verifying air leakage rate does not to exceed 5 air changes per hour. N/A
 Duct Leakage Testing, (see Section 402.2.2) N/A
 Postconstruction Test, (see Section 402.2.3) N/A
 Rough-In Test, (see Section 402.2.4) N/A

PROJECT ALERTS
Construction of the project shall be from approved plans only. No deviation from the approved project plans is allowed without prior approval from the City of Mercer Island. Approved plans must be kept on site and maintained in good condition.
 Refer to "Conditions of Permit Approval" provided at permit issuance for required construction rules and regulations, including:
• Site Considerations • ROW restrictions • Additional Fire Code Requirements
• Hours of Work • Drainage Requirements • Planning Requirements
• Construction Vehicle Parking Restrictions • Sewer Requirements • Noise Abatement Certification
• Access Road Requirements • Water Service Requirements • Tree Requirements
 Refer to "Preconstruction Meeting Checklist" provided at the preconstruction meeting for development related requirements.
 Temporary site address with minimum 6" high numbers visible from the street must be installed.
 Erosion control measures must be as shown on approved project drawings. All erosion control is to be in place and inspected prior to the start of any site work.
 A City of Mercer Island Business License is required for all subcontractors. Call (206) 275-7783 for more information.

TREE PROTECTION
 Tree protection as shown on approved drawings shall be installed at tree dripline prior to start of any site work and must remain in place throughout the project.
 No trees shall be cut without a City of Mercer Island tree permit.
 Replacement trees must be a minimum of six feet tall at installation. They must be planted and approved prior to final inspection.
 For this project, N/A trees are authorized to be removed and replaced with N/A trees.
 This project appears to be within a protected eagle nest area. Contact Federal Fish and Wildlife at (360) 534-9304 or visit their website at <http://www.fws.gov/pacific/eagle>

SEPARATE PERMITS ARE REQUIRED FOR ALL FIRE PROTECTION SYSTEMS. For more information, see <http://www.mercerisland.gov/Page.asp?NavID=2614>
 Fire Sprinkler: NFPA 13D Plus NFPA 13R NFPA 13
 Monitored Household Fire Alarm per NFPA 72 Monitored Sprinkler Water Flow Alarm Other: _____
 Approved Fire Code Alternatives: FCA1 FCA2 FCA3 FCA4

WATER SUPPLY REQUIREMENTS
 Fire sprinkler design calculations must be provided prior to determining water supply system requirements.
 Water Supply system upgrade required
 City installation.
 Applicant installation.
Required Service Line Size: N/A Required Supply Line Size: N/A Required Meter Size: N/A (water main to meter) (water main to house)
 Abandonment of existing service and meter required at main.
 Pressure reducing valve required if pressure exceeds 80 psi.
 Reduced pressure backflow assembly (RPBA) required for all lots with waterfront or non-city water supply (private wells or lake irrigation).
 Additional water supply requirements:

STORM DRAINAGE REQUIREMENTS
 On site detention system required. Direct discharge into the lake.
 On site infiltration system required. No Storm Water permit required.
 As-built Utility drawings required. Connection to public storm drainage conveyance system req'd.
 Full Size drawings required. Other: _____

SIDE SEWER REQUIREMENTS
 Side sewer requires a backflow preventer when connecting to the lake line or when the elevation of the lowest plumbing fixture is lower than the elevation of the upstream manhole rim or when side sewer is shared with one or more properties.
 Video tape of existing sewer required (see standard details)
 New connection. Connect to existing. Disconnect permit required. Reconnect permit required.
 Other: _____
Note: When side sewer is to be connected to the lake line you will need to schedule three (3) days in advance with the City of Mercer Island Maintenance Department at (206) 275-7800.

APPROVED LODGE ALTERNATIVES
Code alternatives must be inspected. Refer to the Inspection Checklist
 CA1: _____ CA2: _____

SURVEYOR SHALL VERIFY POINTS CHOSEN FOR HEIGHT CALCULATIONS AND POINT VERIFICATION SHALL BE SUBMITTED AT THE TIME OF CITY FOUNDATION INSPECTION. A property survey may be required to verify setbacks and in some cases buildings must be surveyed onto the lot. The City reserves the right to request an impervious area survey at any time prior to issuance of Certificate of Occupancy.

SURVEYOR: _____ Phone: _____
 Building height survey
 Building setback survey
 Impervious surface survey
 Other: _____

MAXIMUM 40 PERCENT ALTERATION INSPECTION: (see Section 402.2.1)
A Building Inspection prior to demolition is required for all legally nonconforming single family dwelling to ensure no more than 40 percent of the dwelling's exterior walls are structurally altered. Contact the Building Inspector at (206) 275-7730.
 Civil / Drainage LUP / Setback requirements

SEASONAL DEVELOPMENT LIMITATION RESTRICTION:
Land clearing, grading, filling and foundation work within geologic hazard areas is NOT PERMITTED between October 1 and April 1 without an approved Seasonal Development Limitation Waiver.

GEOTECHNICAL REPORT PROVIDED. All construction must comply with the recommendations of the Geotechnical Report. A copy of report and other geotechnical information must be kept on site at all times.
Geotechnical Engineer: _____ Phone: _____

SEASONAL DEVELOPMENT LIMITATION RESTRICTION:
 Applies (Geologic Hazard area). Grading not permitted between October 1 through April 1.
 Waiver approved. Grading and excavation permitted subject to all conditions noted in Seasonal Development Limitation Waiver Permit.
Permit number: _____ Approved by: _____ Date: _____

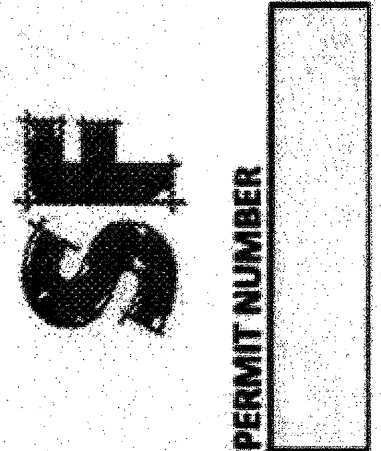
REQUIRED CONSTRUCTION INSPECTIONS
It is the applicant's responsibility to contact DSG to schedule ALL inspections appropriate for the project. Request inspections online at www.MyBuildingPermit.com or by calling the Inspection Hotline at (206) 275-7730. Allow at least 24 hours (48 hours for Reinforcing steel) in advance of desired inspection. Be specific as to type of inspection.
Inspector shall initial and date appropriate inspection only if approved. Note: Items marked with an "e" require a separate permit. It is the applicants responsibility to apply for and obtain all City of Mercer Island permits.
INSPECTIONS: (Listed in order of typical sequencing)
Inspector: _____ Date: _____ Approved: _____
 Pre-construction Meeting to Review Conditions of Permit Approval.
 Tree protection
 Erosion control
 Sewer disconnect and cap. If applicable, separate side-sewer permit required
 Right-of-way use or work / easement, material delivery, etc. If applicable, separate ROW permit required
 Land clearing, grading and demolition
 Temporary power
 Piling / Shoring / Shotcrete. If applicable, provide survey letter (property line), Geotechnical Engineer / Special Inspector reports of inspections (pile and shoring installation, etc.)
 Footings, setbacks, UFER ground. If applicable, provide survey letter (building height and setbacks). Special Inspector reports of inspections (soil bearing capacity, compaction, earthwork, pile installation, etc.)
 Foundation walls / concrete columns
 Roof and footing drains
 Foundation dampproofing
 Storm drainage, including (but not limited to):
• Connections to storm main in ROW
• Detention systems
• Infiltration systems
• Catch basins including oil-water separator tees
• Area drains
• Conveyance piping / cleanouts
• Storm drain in ROW
• Control structures / manholes
• Pump systems
• Retaining wall drainage
 Water Service
 Water Supply
 Water as-built drawings
 Side sewer installation, including (but not limited to):
• Connections to side sewer main
• Connections to existing side sewer
• Driveway / Access road
 Underslab electrical / mechanical / plumbing
 Underslab insulation / vapor barrier / reinforcing
 Underfloor framing
 Nailing-Roof sheathing. If applicable, provide Special Inspection letter for lateral wood inspection.
 Nailing-Exterior wall and Shearwall. If applicable, provide Special Inspection letter for lateral wood inspection.
 Rough hydronic installation
 Rough electric installation
 Rough fire alarm (wiring inspection)
 Rough plumbing installation (DWV, water)
 Rough mechanical
 Gas Piping
 Rough fire sprinkler / hydrostatic and flow (bucket) test
 Framing and glazing. If applicable, provide Special Inspection letter for lateral wood inspection, welding epoxy anchors, etc.
 Masonry construction (fireplace / walls / veneer / etc.)
 Insulation installation
 Stucco (paper and lath)
 Shower pan (or tub)
 Miscellaneous
 Code Alternative CA1:
 Code Alternative CA2:
 Impact Fees Paid (if applicable).

FINAL INSPECTION: Tree Restoration _____ TF
Final Inspection: Fire protection, including (but not limited to):
• Sprinkler _____ TF
• Access Road _____
• Fire Code Alternatives (see below) _____
 FCA1: _____ FCA3: _____
 FCA2: _____ FCA4: _____
Final Inspection: Water supply protection, including (but not limited to) backflow devices for:
• Waterfront property _____ TW
• Fire / lawn sprinkler _____
• Well water on property _____
• Boiler _____
Final Inspection: Site and utility: includes landscape, utilities and ROW. Site restoration complete and as-built drawings ready for submittal. _____ TS
Final Inspection: Building, including electrical / mechanical / plumbing. If applicable, provide closeout (summary) letters from Engineer, Special Inspectors, Geotechnical Engineer, and exterior wall cladding Inspectors (EIFS). _____ TB

30 DAY TEMPORARY CERTIFICATE OF OCCUPANCY (TCO)
Applicant option. Additional fees will be required and must be approved prior to occupancy. TCO requires tree plantings be completed.
Approved: _____ Start Date: _____ End Date: _____

ADDITIONAL REQUIRED CITY INSPECTIONS
Call the appropriate contact to arrange the inspection.
Required inspection(s): _____ Contact: _____ Phone: _____ Scheduling: _____

IMPACT FEES
If applicable, _____ Date: _____
 Impact fees apply and are due prior to Final Inspection or on _____ whichever occurs first.
JH Building _____ RH Planning _____ KN Engineering _____ N/A Tree _____ N/A Fire _____



CERTIFICATE OF OCCUPANCY
Issued after all required inspections have been performed and approved.
Approval: _____ Date: _____

PROJECT NAME: UCHIDA - FURUDATE RESIDENCE
PROJECT ADDRESS: 4300 89th AVE. SE, MERCER ISLAND, WA 98040

APPROVED DRAWINGS MUST BE KEPT ON THE BUILDING SITE AT ALL TIMES
REVIEWED FOR CODE COMPLIANCE
Approval: _____ Date: _____

TO BE COMPLETED BY APPLICANT

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