# BRENES RESIDENCE - C.A.D. App



# **CODE INFORMATION:**

**ENERGY CODE:** 2015 WSEC (Ch. 51-11 WAC)

Areas of remodel to comply with requirements for additions, alterations, renovations, or repairs as outlined in WSEC Sec. R101.4.3

2015 Washington State Energy Code Table R402.1.1 Prescriptive Requirements Group R Occupancy, All Climate Zones								
U	U- Factors R-Values							
Gla	zing	Door	Clg.	Vaulted	Walls		Floor	S.O.G.
Vert	O.H.			Clg.	Abv. Grd.	Blw. Grd.		
0.30	0.50	0.20	R-	R-38	R-21 int.	R-10/15/21	R-30	R-10
			49			+ TB*		2′

\*R-10 cont. on ext. of wall, R-15 cont. on int. of wall, or R-21 cavity insulation + thermal break at slab. **NOTE:** Prescriptive compliance is based on the above table and any Options selected based on additional credits required for project (list Options selected for specific project)

**VENTILATION & INDOOR AIR QUALITY:** 2015 IMC, 2015 WSEC (Ch. 51-11 WAC) Any new ventilation equipment to comply with WSEC Sec. R403.

PLUMBING, MECHANICAL, & ELECTRICAL DESIGN: WAC chapter 51-56, 2015 IFC, MICC 17.13.020, Washington Cities Electrical Code

Any new heating system components to comply with WSEC Sec. 403 – Building Mechanical Systems.

Primary Heating: Gas + Electric Heatpump Minisplit for addition

Prescriptive Heating System Sizing:

Any new heating system components shall be sized per WSEC Sec. R403.6

#### **ZONING CODE:** MICC- Unified Land Development Code Title 19

Zone	R-9.6	
Number of Dwellings	1 single-family	
Critical Areas	Steep Slope Hazard	
Site Area	9,449 sf	
Max. Lot Coverage	30%	
Max. Bldg. Ht. Allowed	30 ft	
Min. Bldg. Setbacks	20 ft(front), 16ft (side),	
	25 ft (rear)	

**BUILDING CODE:** 2015 International Residential Code (IRC) With Statewide and City Amendments Title 17

Standard Design Criteria per IRC Sec. R301 & Table R303.2(1)

Building Area Summary – Living (House)		
Existing Main Floor	1150 sf	
Existing Lower Floor	1150 sf	
Proposed Lower Floor Addition- Garage+ Entry	619 sf	
Proposed Main Floor Addition- Guest Bdrm, MBdrm, Mbath	635 sf	
Total Living	3554 sf	

Lot Coverage Summary (see A0.01 for detail)		
Existing Lot Coverage	2876 sf	
Proposed Lot Coverage	2834 sf	
Allowed Lot Coverage (30%) 2834.7 sf		

Hardscape Summary (see A0.01 for detail)	
Existing Hardscape	2356 sf
Proposed Hardscape	849 sf
Allowed Hardscape (9%)	850 sf

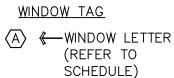
# **SYMBOLS:**

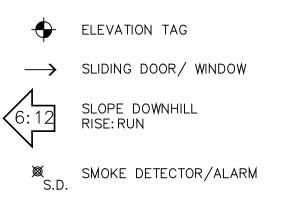
#### LEGEND:

EXHAUST FAN



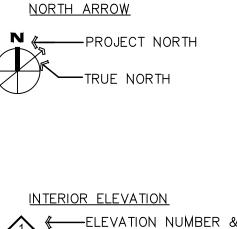
1) —DOOR NUMBER (REFER TO SCHEDULE)





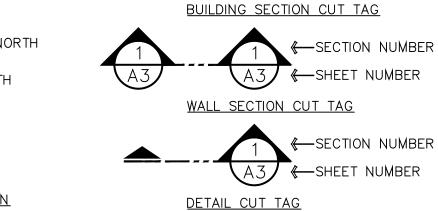
CARBON MONOXIDE DETECTOR/ALARM

 $\frac{12}{6}$  ROOF SLOPE (RISE, RUN)



DIRECTION

24 A6 SHEET NUMBER



## **GENERAL CONDITIONS:**

- 1. These drawings are the exclusive property of the architect and may only be reproduced with the written permission of the architect.
- 2. The contractor shall be responsible for providing all work and materials in accordance with the International Residential Code (IRC) as well as all applicable national, state, county and city codes (building, fire, health, energy, ventilation, plumbing, mechanical, electrical, etc.)
- **3.** The contractor shall be governed by all conditions as indicated in the construction documents and specifications.
- **4.** If the contractor is aware of any discrepancy between the work as shown and requirements of codes and governing agencies, they shall notify the architect and await further instruction.
- **5.** The contractor shall verify all dimensions, datums, levels, and the site conditions prior to commencing the work. The contractor shall report any discrepancies and/or omissions to the architect prior to commencing the work.
- **6.** All work shall be accomplished by qualified trade people in the specific field with required certification where applicable.
- 7. All work shall be performed to the established trade standards using the most suitable construction methods in such trade. Aforementioned construction to include the use of applicable standard components, connectors, supports, trim, backing, blocking and/or other appurtenances.
- **8.** Set work to required levels and lines, with members plumb, true to line, cut, and fitted. Fit work to other construction; scribe and cope as needed for accurate fit. Locate furring, nailers, blocking, grounds, and similar supports to comply with requirements for attaching other construction.
- **9.** These drawings indicate general and typical details of construction. Where conditions are not specifically indicated but are of a similar character to the details shown, similar details of construction shall be used. Repetitive features not noted on the drawings shall be completely provided as if drawn in full.
- **10.** Do not scale drawings. All dimensions are from face of rough framing or face of concrete unless noted otherwise. Check details for location of items not dimensioned on the plans.
- **11.** All rough opening measurements shall be verified by the contractor.
- **12.** The contractor shall coordinate the securing of required permits and approvals with the owner.
- 13. The contractor shall schedule on-site inspections per the building official.
- **14.** Electrical, plumbing and mechanical systems are to be bidder designed. The contractor will be responsible to produce drawings for the architect and owner to review and approve, prior to the start of installation, and to obtain all necessary permits in connection with the work.
- **15.** No deviations from or changes to the structural system shall be made without approval from the architect and engineer.
- **16.** All changes in plans and field modifications shall be approved by the building official.
- **17.** Shop drawings are required for, but not limited to, trusses, structural steel connections and fabrications. The contractor shall prepare and submit shop drawings to the architect for review and approval, and then submit to the building official. All shop drawing dimensions shall be checked and verified in the field by the contractor.
- **18.** It shall be the responsibility of the contractor to locate all existing utilities whether shown herein or not and to protect them from damage. The contractor shall bear all expense of repairs or replacement of utilities or other property damaged by operations in conjunction with the execution of the work.
- **19.** The contractor shall provide temporary facilities as required by
- **20.** The contractor shall provide all shoring, barricading and bracing necessary to ensure the structural stability of the project, and the health and safety of the public and all who enter the property during construction.
- **21.** The contractor shall keep areas under construction secure and clear of dirt and debris.
- **22.** The contractor shall schedule work, as much as possible, to avoid inconveniences of existing neighborhood property owners. **23.** The contractor shall provide all accessories required for a completely watertight installation including but not necessarily limited to: flashing, counterflashing, sealant, and caulking at all roof and floor penetrations, interlocking weather stripping at all doors and windows, water stops and other concrete inserts at below grade cold joints.
- **24.** See structural notes & details for additional concrete, steel, & rough carpentry requirements.

# **ABBREVIATIONS:**

A.B.	Anchor bolt	JST	Joist
A.F.F.	Above finish floor	K.D.	Kiln dried
ABV	Above	L	Length
ADD	Addition	L.F.	Linear feet
ALT	Alternating	LAV	Lavatory
AWN B.F.	Awning Bi-fold	LOC M.O.	Location
B.P.	Bi-roid Bi-pass	MATL	Masonry opening Material
B/I	Built-in	MAX	Maximum
B/U	Built-up	MECH	Mechanical
BLDG	Building	MFR	Manufacturer
BLKG	Blocking	MIN	Minimum
BLW	Below	MTL	Metal
BM	Beam	(N) N.A.	New
BRD BRG	Board Bearing	N.I.C.	Not applicable  Not in contract
BSBL	Building Setback Line	N.T.S.	Not to scale
C.F.	Cubic feet	0/	Over
C.J.	Control Joint	O.C.	On center
C.L.	Center line	O.D.	Outside diameter
CALC	Calculation	O.H.	Overhang
CANT	Cantilever	O.H.D.	Overhead door
CAS	Casement	ODWH	On-demand water heater
CLG	Ceiling	OPP	Opposite
CLR	Clear	OPTL	Optional
COL	Column	PLAM	Parallam
CONC	Concrete	P.T.	Pressure treated
CONST	Construction	PD	Plumbing drop
CONT	Continuous	PERP	Perpendicular
COORD	Coordinate	PKT	Pocket
CSMT D	Casement Depth	PL PLMG	Plate Plumbing
D.H.	Double hung	PLYWD	Plywood
DBL	Double	PSF	Per square foot
DEMO	Demolish	R	Riser
DIA	Diameter	R.O.	Rough opening
DIM	Dimension	R.S.	Rough sawn
DN	Down	R-VALUE	Thermal resistance
DR	Door	REF	Refrigerator
DS	Down spout	REQD REV	Required
DTL	Detail Drawing	RFTR	Revision Rafter
E.J.	Expansion joint	S	Sink
E.W.	Each way	S&P	Shelf and pole
EA	Each	S.C.	Solid core wood
EL	Elevation	S.D.	Smoke detector
E.P.D.M.	Ethelyne Propylene	S.F.	Square feet
F.O.	Diene Monomer		C - C - L
EQUIP	Equal Equipment	S.G. S.H.	Safety glass Single hung
EQUIP	Laanbilleiit	S.O.G.	
FSMT			∣ Sian on grade
ESMT EXG	Easement	S.W.	Slab on grade Shear wall
			<del></del>
EXG EXP EXT	Easement Existing Exposure Exterior	S.W. SHT SHTG	Shear wall Sheet Sheeting
EXG EXP EXT F	Easement Existing Exposure Exterior Fixed	S.W. SHT SHTG SIM	Shear wall Sheet Sheeting Similar
EXG EXP EXT F	Easement Existing Exposure Exterior Fixed Floor Drain	S.W. SHT SHTG SIM SLDR	Shear wall Sheet Sheeting Similar Slider
EXG EXP EXT F F.D. F.F.	Easement Existing Exposure Exterior Fixed Floor Drain Finish Floor	S.W. SHT SHTG SIM SLDR SPEC	Shear wall Sheet Sheeting Similar Slider Specification
EXG EXP EXT F F.D. F.F.	Easement Existing Exposure Exterior Fixed Floor Drain Finish Floor Fireplace	S.W. SHT SHTG SIM SLDR SPEC STD	Shear wall Sheet Sheeting Similar Slider Specification Standard
EXG EXP EXT F F.D. F.F.	Easement Existing Exposure Exterior Fixed Floor Drain Finish Floor	S.W. SHT SHTG SIM SLDR SPEC	Shear wall Sheet Sheeting Similar Slider Specification
EXG EXP EXT F F.D. F.F. F.P.	Easement Existing Exposure Exterior Fixed Floor Drain Finish Floor Fireplace Field verify	S.W. SHT SHTG SIM SLDR SPEC STD	Shear wall Sheet Sheeting Similar Slider Specification Standard Steel
EXG EXP EXT F F.D. F.F. F.P. F.V. FDN	Easement Existing Exposure Exterior Fixed Floor Drain Finish Floor Fireplace Field verify Foundation	S.W. SHT SHTG SIM SLDR SPEC STD STL STRUCT	Shear wall Sheet Sheeting Similar Slider Specification Standard Steel Structural
EXG EXP EXT F F.D. F.F. F.P. F.V. FDN FIN FL	Easement Existing Exposure Exterior Fixed Floor Drain Finish Floor Fireplace Field verify Foundation Finish Flush Floor	S.W. SHT SHTG SIM SLDR SPEC STD STL STRUCT T T&G T.O.B.	Shear wall Sheet Sheeting Similar Slider Specification Standard Steel Structural Tread Tongue and groove Top of beam
EXG EXP EXT F F.D. F.F. F.P. F.V. FDN FIN FL FLR FRDR	Easement Existing Exposure Exterior Fixed Floor Drain Finish Floor Fireplace Field verify Foundation Finish Flush Floor French door	S.W. SHT SHTG SIM SLDR SPEC STD STL STRUCT T T&G T.O.B. T.O.S.	Shear wall Sheet Sheeting Similar Slider Specification Standard Steel Structural Tread Tongue and groove Top of beam Top of slab
EXG EXP EXT F F.D. F.F. F.P. F.V. FDN FIN FL FLR FRDR FTG	Easement Existing Exposure Exterior Fixed Floor Drain Finish Floor Fireplace Field verify Foundation Finish Flush Floor French door Footing	S.W. SHT SHTG SIM SLDR SPEC STD STL STRUCT T T&G T.O.B. T.O.S. T.O.W.	Shear wall Sheet Sheeting Similar Slider Specification Standard Steel Structural Tread Tongue and groove Top of beam Top of slab Top of wall
EXG EXP EXT F F.D. F.F. F.P. F.V. FDN FIN FL FLR FRDR	Easement Existing Exposure Exterior Fixed Floor Drain Finish Floor Fireplace Field verify Foundation Finish Flush Floor French door Footing Forest Stewardship	S.W. SHT SHTG SIM SLDR SPEC STD STL STRUCT T T&G T.O.B. T.O.S.	Shear wall Sheet Sheeting Similar Slider Specification Standard Steel Structural Tread Tongue and groove Top of beam Top of slab
EXG EXP EXT F F.D. F.F. F.P. F.V. FDN FIN FL FLR FRDR FTG F.S.C.	Easement Existing Exposure Exterior Fixed Floor Drain Finish Floor Fireplace Field verify Foundation Finish Flush Floor French door Footing Forest Stewardship Council	S.W. SHT SHTG SIM SLDR SPEC STD STL STRUCT T T&G T.O.B. T.O.S. T.O.W. TEMP	Shear wall Sheet Sheeting Similar Slider Specification Standard Steel Structural Tread Tongue and groove Top of beam Top of slab Top of wall Temporary
EXG EXP EXT F F.D. F.F. F.P. F.V. FDN FIN FL FLR FRDR FTG	Easement Existing Exposure Exterior Fixed Floor Drain Finish Floor Fireplace Field verify Foundation Finish Flush Floor French door Footing Forest Stewardship Council Ground fault interrupt	S.W. SHT SHTG SIM SLDR SPEC STD STL STRUCT T T&G T.O.B. T.O.S. T.O.W.	Shear wall Sheet Sheeting Similar Slider Specification Standard Steel Structural Tread Tongue and groove Top of beam Top of slab Top of wall
EXG EXP EXT F F.D. F.F. F.P. F.V. FDN FIN FL FLR FRDR FTG F.S.C.	Easement Existing Exposure Exterior Fixed Floor Drain Finish Floor Fireplace Field verify Foundation Finish Flush Floor French door Footing Forest Stewardship Council	S.W. SHT SHTG SIM SLDR SPEC STD STL STRUCT T T&G T.O.B. T.O.S. T.O.W. TEMP	Shear wall Sheet Sheeting Similar Slider Specification Standard Steel Structural Tread Tongue and groove Top of beam Top of slab Top of wall Temporary Thick
EXG EXP EXT F F.D. F.F. F.P. F.V. FDN FIN FL FLR FRDR FTG F.S.C. G.F.I. G.W.B. GA	Easement Existing Exposure Exterior Fixed Floor Drain Finish Floor Fireplace Field verify Foundation Finish Flush Floor French door Footing Forest Stewardship Council Ground fault interrupt Gypsum wall board Gauge	S.W. SHT SHTG SIM SLDR SPEC STD STL STRUCT T T&G T.O.B. T.O.S. T.O.W. TEMP  THK TYP U.N.O.	Shear wall Sheet Sheeting Similar Slider Specification Standard Steel Structural Tread Tongue and groove Top of beam Top of slab Top of wall Temporary  Thick Typical Unless noted otherwise
EXG EXP EXT F F.D. F.F. F.P. F.V. FDN FIN FL FLR FRDR FTG F.S.C. G.F.I. G.W.B. GA	Easement Existing Exposure Exterior Fixed Floor Drain Finish Floor Fireplace Field verify Foundation Finish Flush Floor French door Footing Forest Stewardship Council Ground fault interrupt Gypsum wall board Gauge Galvanized	S.W. SHT SHTG SIM SLDR SPEC STD STL STRUCT T T&G T.O.B. T.O.S. T.O.W. TEMP THK TYP U.N.O.	Shear wall Sheet Sheeting Similar Slider Specification Standard Steel Structural Tread Tongue and groove Top of beam Top of slab Top of wall Temporary  Thick Typical Unless noted otherwise Unheated
EXG EXP EXT F F.D. F.F. F.P. F.V. FDN FIN FL FLR FRDR FTG F.S.C. G.F.I. G.W.B. GA GALV GL	Easement Existing Exposure Exterior Fixed Floor Drain Finish Floor Fireplace Field verify Foundation Finish Flush Floor French door Footing Forest Stewardship Council Ground fault interrupt Gypsum wall board Gauge Galvanized Glass, glazing	S.W. SHT SHTG SIM SLDR SPEC STD STL STRUCT T T&G T.O.B. T.O.S. T.O.W. TEMP  THK TYP U.N.O.  UNHTD V.B.	Shear wall Sheet Sheeting Similar Slider Specification Standard Steel Structural Tread Tongue and groove Top of beam Top of slab Top of wall Temporary  Thick Typical Unless noted otherwise Unheated Vapor barrier
EXG EXP EXT F F.D. F.F. F.P. F.V. FDN FIN FL FLR FRDR FTG F.S.C. G.F.I. G.W.B. GA GALV GL GLB	Easement Existing Exposure Exterior Fixed Floor Drain Finish Floor Fireplace Field verify Foundation Finish Flush Floor French door Footing Forest Stewardship Council Ground fault interrupt Gypsum wall board Gauge  Galvanized Glass, glazing Glulam beam	S.W. SHT SHTG SIM SLDR SPEC STD STL STRUCT T T&G T.O.B. T.O.S. T.O.W. TEMP THK TYP U.N.O. UNHTD V.B. V.T.O.	Shear wall Sheet Sheeting Similar Slider Specification Standard Steel Structural Tread Tongue and groove Top of beam Top of slab Top of wall Temporary  Thick Typical Unless noted otherwise Unheated Vapor barrier Vent to outside
EXG EXP EXT F F.D. F.F. F.P. F.V. FDN FIN FL FLR FRDR FTG F.S.C. G.F.I. G.W.B. GA GALV GL GLB H, HT	Easement Existing Exposure Exterior Fixed Floor Drain Finish Floor Fireplace Field verify Foundation Finish Flush Floor French door Footing Forest Stewardship Council Ground fault interrupt Gypsum wall board Gauge  Galvanized Glass, glazing Glulam beam Height	S.W. SHT SHTG SIM SLDR SPEC STD STL STRUCT T T&G T.O.B. T.O.S. T.O.W. TEMP  THK TYP U.N.O.  UNHTD V.B. V.T.O. V.I.F.	Shear wall Sheet Sheeting Similar Slider Specification Standard Steel Structural Tread Tongue and groove Top of beam Top of slab Top of wall Temporary  Thick Typical Unless noted otherwise Unheated Vapor barrier Vent to outside Verify in field
EXG EXP EXT F F.D. F.F. F.P. F.V. FDN FIN FL FLR FRDR FTG F.S.C. G.F.I. G.W.B. GA GALV GL GLB H, HT H.B.	Easement Existing Exposure Exterior Fixed Floor Drain Finish Floor Fireplace Field verify Foundation Finish Flush Floor French door Footing Forest Stewardship Council Ground fault interrupt Gypsum wall board Gauge  Galvanized Glass, glazing Glulam beam Height Hose bibb	S.W. SHT SHTG SIM SLDR SPEC STD STL STRUCT T T&G T.O.B. T.O.S. T.O.W. TEMP THK TYP U.N.O. UNHTD V.B. V.T.O. V.I.F.	Shear wall Sheet Sheeting Similar Slider Specification Standard Steel Structural Tread Tongue and groove Top of beam Top of slab Top of wall Temporary  Thick Typical Unless noted otherwise Unheated Vapor barrier Vent to outside Verify in field Vertical
EXG EXP EXT F F.D. F.F. F.P. F.V. FDN FIN FL FLR FRDR FTG F.S.C. G.F.I. G.W.B. GA GALV GL GLB H, HT	Easement Existing Exposure Exterior Fixed Floor Drain Finish Floor Fireplace Field verify Foundation Finish Flush Floor French door Footing Forest Stewardship Council Ground fault interrupt Gypsum wall board Gauge  Galvanized Glass, glazing Glulam beam Height	S.W. SHT SHTG SIM SLDR SPEC STD STL STRUCT T T&G T.O.B. T.O.S. T.O.W. TEMP  THK TYP U.N.O.  UNHTD V.B. V.T.O. V.I.F.	Shear wall Sheet Sheeting Similar Slider Specification Standard Steel Structural Tread Tongue and groove Top of beam Top of slab Top of wall Temporary  Thick Typical Unless noted otherwise Unheated Vapor barrier Vent to outside Verify in field
EXG EXP EXT F F.D. F.F. F.P. F.V. FDN FIN FL FLR FRDR FTG F.S.C. G.F.I. G.W.B. GA GALV GL GLB H, HT H.B. H.C.	Easement Existing Exposure Exterior Fixed Floor Drain Finish Floor Fireplace Field verify Foundation Finish Flush Floor French door Footing Forest Stewardship Council Ground fault interrupt Gypsum wall board Gauge  Galvanized Glass, glazing Glulam beam Height Hose bibb Hollow core wood	S.W. SHT SHTG SIM SLDR SPEC STD STL STRUCT T T&G T.O.B. T.O.S. T.O.W. TEMP  THK TYP U.N.O.  UNHTD V.B. V.T.O. V.I.F. VERT	Shear wall Sheet Sheeting Similar Slider Specification Standard Steel Structural Tread Tongue and groove Top of beam Top of slab Top of wall Temporary  Thick Typical Unless noted otherwise Unheated Vapor barrier Vent to outside Verify in field Vertical Width
EXG EXP EXT F F.D. F.F. F.P. F.V. FDN FIN FL FLR FRDR FTG F.S.C.  G.F.I. G.W.B. GA  GALV GL GLB H, HT H.B. H.C. HDR	Easement Existing Exposure Exterior Fixed Floor Drain Finish Floor Fireplace Field verify Foundation Finish Flush Floor French door Footing Forest Stewardship Council Ground fault interrupt Gypsum wall board Gauge  Galvanized Glass, glazing Glulam beam Height Hose bibb Hollow core wood Header	S.W. SHT SHTG SIM SLDR SPEC STD STL STRUCT T T&G T.O.B. T.O.S. T.O.W. TEMP  THK TYP U.N.O.  UNHTD V.B. V.T.O. V.I.F. VERT W W/	Shear wall Sheet Sheeting Similar Slider Specification Standard Steel Structural Tread Tongue and groove Top of beam Top of slab Top of wall Temporary  Thick Typical Unless noted otherwise Unheated Vapor barrier Vent to outside Verify in field With With
EXG EXP EXT F F.D. F.F. F.P. F.V. FDN FIN FL FLR FRDR FTG F.S.C.  G.F.I. G.W.B. GA  GALV GL GLB H, HT H.B. H.C. HDR HDWD	Easement Existing Exposure Exterior Fixed Floor Drain Finish Floor Fireplace Field verify Foundation Finish Flush Floor French door Footing Forest Stewardship Council Ground fault interrupt Gypsum wall board Gauge  Galvanized Glass, glazing Glulam beam Height Hose bibb Hollow core wood Header Hardwood	S.W. SHT SHTG SIM SLDR SPEC STD STL STRUCT T T&G T.O.B. T.O.S. T.O.W. TEMP  THK TYP U.N.O.  UNHTD V.B. V.T.O. V.I.F. VERT W W/ W/O W/O W.C.	Shear wall Sheet Sheeting Similar Slider Specification Standard Steel Structural Tread Tongue and groove Top of beam Top of slab Top of wall Temporary  Thick Typical Unless noted otherwise Unheated Vapor barrier Vent to outside Verify in field Vertical Width With Washer/Dryer
EXG EXP EXT F F.D. F.F. F.P. F.V. FDN FIN FL FLR FRDR FTG F.S.C.  G.F.I. G.W.B. GA  GALV GL GLB H, HT H.B. H.C. HDR HDWD HORZ HWT I.D.	Easement Existing Exposure Exterior Fixed Floor Drain Finish Floor Fireplace Field verify Foundation Finish Flush Floor French door Footing Forest Stewardship Council Ground fault interrupt Gypsum wall board Gauge  Galvanized Glass, glazing Glulam beam Height Hose bibb Hollow core wood Header Hardwood Horizontal Hot water tank Inside diameter	S.W. SHT SHTG SIM SLDR SPEC STD STL STRUCT T T&G T.O.B. T.O.S. T.O.W. TEMP  THK TYP U.N.O.  UNHTD V.B. V.T.O. V.I.F. VERT W W/ W/O W/O W.C. WD	Shear wall Sheet Sheeting Similar Slider Specification Standard Steel Structural Tread Tongue and groove Top of beam Top of slab Top of wall Temporary  Thick Typical Unless noted otherwise Unheated Vapor barrier Vent to outside Verify in field Vertical Width With Washer/Dryer Without Water closet Wood
EXG EXP EXT F F.D. F.F. F.P. F.V. FDN FIN FL FLR FRDR FTG F.S.C.  G.F.I. G.W.B. GA  GALV GL GLB H, HT H.B. H.C. HDR HDWD HORZ HWT I.D. INSUL	Easement Existing Exposure Exterior Fixed Floor Drain Finish Floor Fireplace Field verify Foundation Finish Flush Floor French door Footing Forest Stewardship Council Ground fault interrupt Gypsum wall board Gauge  Galvanized Glass, glazing Glulam beam Height Hose bibb Hollow core wood Header Hardwood Horizontal Hot water tank Inside diameter Insulation	S.W. SHT SHTG SIM SLDR SPEC STD STL STRUCT T T&G T.O.B. T.O.S. T.O.W. TEMP  THK TYP U.N.O.  UNHTD V.B. V.T.O. V.I.F. VERT W W/ W/O W/O W.C. WD	Shear wall Sheet Sheeting Similar Slider Specification Standard Steel Structural Tread Tongue and groove Top of beam Top of slab Top of wall Temporary  Thick Typical Unless noted otherwise Unheated Vapor barrier Vent to outside Verify in field Vertical Width With With Washer/Dryer Without Water closet Wood Walk in closet
EXG EXP EXT F F.D. F.F. F.P. F.V. FDN FIN FL FLR FRDR FTG F.S.C.  G.F.I. G.W.B. GA  GALV GL GLB H, HT H.B. H.C. HDR HDWD HORZ HWT I.D. INSUL INT	Easement Existing Exposure Exterior Fixed Floor Drain Finish Floor Fireplace Field verify Foundation Finish Flush Floor French door Footing Forest Stewardship Council Ground fault interrupt Gypsum wall board Gauge  Galvanized Glass, glazing Glulam beam Height Hose bibb Hollow core wood Header Hardwood Horizontal Hot water tank Inside diameter Insulation Interior	S.W. SHT SHTG SIM SLDR SPEC STD STL STRUCT T T&G T.O.B. T.O.S. T.O.W. TEMP  THK TYP U.N.O.  UNHTD V.B. V.T.O. V.I.F. VERT W W/ W/O W/O W.C. WD W.I.C.	Shear wall Sheet Sheeting Similar Slider Specification Standard Steel Structural Tread Tongue and groove Top of beam Top of slab Top of wall Temporary  Thick Typical Unless noted otherwise Unheated Vapor barrier Vent to outside Verify in field Vertical Width With Washer/Dryer Without Water closet Wood Walk in closet Window
EXG EXP EXT F F.D. F.F. F.P. F.V. FDN FIN FL FLR FRDR FTG F.S.C.  G.F.I. G.W.B. GA  GALV GL GLB H, HT H.B. H.C. HDR HDWD HORZ HWT I.D. INSUL	Easement Existing Exposure Exterior Fixed Floor Drain Finish Floor Fireplace Field verify Foundation Finish Flush Floor French door Footing Forest Stewardship Council Ground fault interrupt Gypsum wall board Gauge  Galvanized Glass, glazing Glulam beam Height Hose bibb Hollow core wood Header Hardwood Horizontal Hot water tank Inside diameter Insulation Interior Insulated concrete	S.W. SHT SHTG SIM SLDR SPEC STD STL STRUCT T T&G T.O.B. T.O.S. T.O.W. TEMP  THK TYP U.N.O.  UNHTD V.B. V.T.O. V.I.F. VERT W W/ W/O W/O W.C. WD	Shear wall Sheet Sheeting Similar Slider Specification Standard Steel Structural Tread Tongue and groove Top of beam Top of slab Top of wall Temporary  Thick Typical Unless noted otherwise Unheated Vapor barrier Vent to outside Verify in field Vertical Width With With Washer/Dryer Without Water closet Wood Walk in closet
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# **OWNER: CHRIS AND JEN BRENES 2675 74TH AVE SE**

# MERCER ISLAND, WA 98040 PH: 619.957.5849

#### PROJECT TEAM:

#### **Architect:**

Living Shelter Architects PO Box 1477 Issaquah, WA 98027 Principal: Terry Phelan Contact: P: 425-427-8643 E: terry.phelan@livingshelter.com

#### **Structural Engineer:**

**Swenson Say Faget** 2124 Third Ave, Suite 100 Seattle, WA 98121 Contact: Karl Rosman P: (206) 443-6212 E: info@ssfengineers.com

#### **PROJECT SUMMARY:**

Addition+Renovation to a single-family home with work in the steep slope critical area along the north property boundary.

Primary Heat Source: Gas + Electric Heatpump

Work will be completed under a general construction contract.

#### **DRAWING INDEX:**

#### **Architectural**

**G0.00** Cover Sheet & Project Information

**A0.00** Site Plan

**A0.01** Lot Coverage/Hardscape **A0.02** Site Survey

**A0.03** Comparative Site Survey

**A0.04** Lower Floor Plan

**A0.05** Upper Floor Plan

#### Structural

**General Structural Notes** 

**S1.2** General Structural Notes Main Floor Framing/Foundation Plan

Upper Floor Framing Plan

Roof Framing Plan

**S3.1** Foundation Details

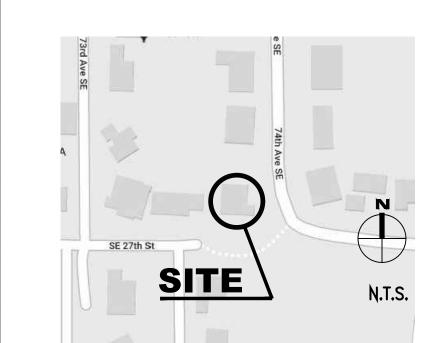
Foundation Details

Typical Wood Framing Details

**Wood Framing Details** 

## **VICINITY MAP & PROJECT ADDRESS:**

2675 74<sup>th</sup> Ave SE Mercer Island, WA, 98040



# **LIVING SHELTER ARCHITECTS**

**PLLC** 

472-A FRONT ST. N

ISSAQUAH. WA 98027

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1644

(425) 427-8643

project name

#### **BRENES REMODEL**

project address 2675 74th Ave SE Mercer Island, WA 98040

#### owner **CHRIS & JEN BRENES**

619.957.5849 jenniferbrenes@comcast.net

project manager **ROY MCGARRAH** living shelter architects 425.427.8643 roy@livingshelter.com

C & C SURVEYING, LLC 425.673.7502 ccsurveyllc@gmail.com

structural engineer **SWENSON SAY FAGET** 206.443.6212

info@ssfengineers.com

kevenh@esnw.com

geotechnical engineer EARTH SOLUTIONS NW 425.284.3300

ARCHITECT BIATE OF WASHINGTON

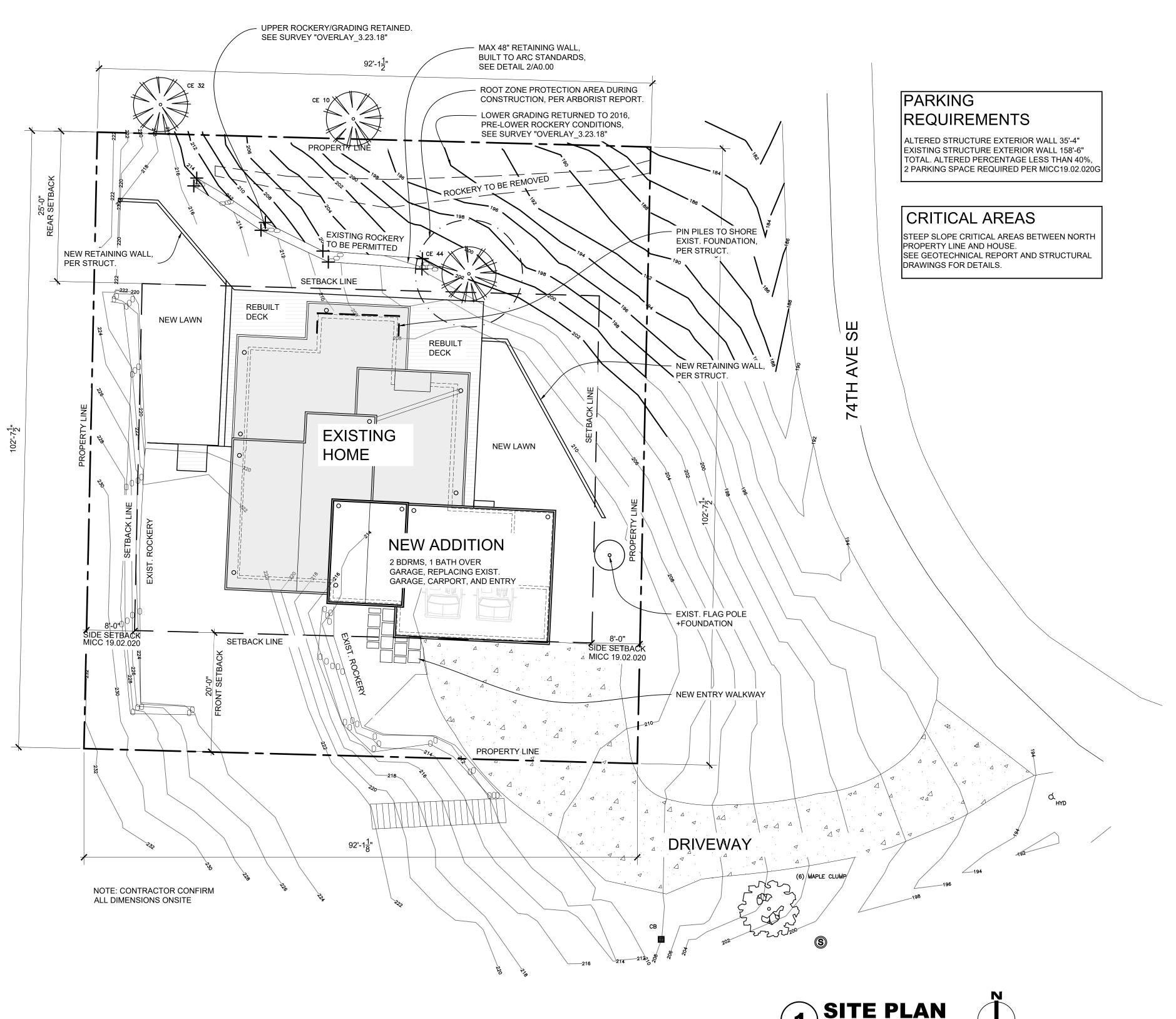
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17 May 2019

sheet title

**COVER** 

sheet number



THIS SITE DRAWING SHOWS CONTOURS ADJUSTED FOR THE REMOVAL OF THE LOWER ROCKERY ON THE NORTH SLOPE OF THE PROPERTY, PER 1/A0.03, WHILE RETAINING THE UPPER ROCKERY. IT ALSO SHOWS THE REDUCED SCOPE RE-BUILD OF THE DECKS AROUND THE W, N, AND E OF THE HOUSE, INCLUDING TWO NEW RETAINING WALLS TO CREATE UPPER AND LOWER LAWNS. FINALLY, IT SHOWS THE ADDITION TO THE SE OF THE HOUSE REPLACING THE EXISTING CARPORT/GARAGE/ENTRY WITH A NEW ENTRY/2 CAR GARAGE/ WITH 2 BEDROOMS 1 BATH ABOVE.

#### SITE PLAN NOTES

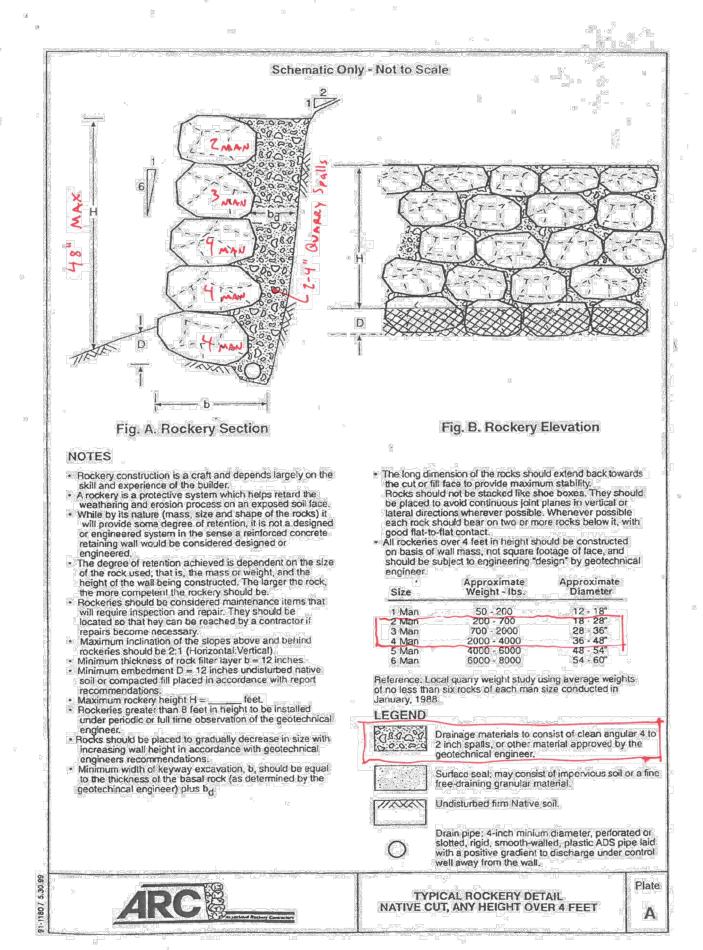
- **1.** Submit jobsite recycling plan prior to start of construction.
- A. Achieve a minimum recycling rate of 70% of waste by weight.
- B. Follow recycling plan once posted on jobsite.2. All sub/contractors to comply with recycling plan & waste reduction efforts.
- Example of materials to recycle: cardboard, metal scrap, wood scrap, broken pallets, packaging, concrete rubble, rock, brick, land clearing/ yard waste, soil, other construction materials and surplus as appropriate.
- **3.** Use pervious materials for minimum 33% total area for drives, walks, & patios.
- 4. Grade to drain away from buildings, typical.5. Amend disturbed soil to a depth of 8-10 inches to restore soil environmental functions.
- 6. Perimeter drainage to be installed as follows:

  A. Perf. Pipe surrounded and set in a min. 2"
  depth bed w/ a min. 3/4" crushed stone free of smaller particles (to prevent clogging).
- B. Perf. Pipe & crushed stone shall be surrounded by a filter membrane to prevent adjacent soil from washing into & clogging the drain system.
  C. Minimum 1/4" per foot slope and connected to daylight.
- 7. Roof and footing drains are to be connected separately to the storm drain system unless otherwise allowed.

LOT DESCRIPTION			
Site Address	2675 74 <sup>TH</sup> Ave SE Mercer Island, WA 98040		
Parcel #	5315100392		
Legal	MC GILVRAS ISLAND ADD E		
Description	92.15 FT OG S 102.65 FT		
Zoning	R-9.6		

OT COVERAGE - IMPERVIOUS SURFACES		
ot Size = 9449 sf		
Existing Roof	1474 sf	
xisting Garage + Carport	662 sf	
Existing Driveway	740 sf	
Demo Existing Garage + Carport	-662 sf	
Demo section of exist. Driveway	-52 sf	
New Roof	672 sf	
Total	2836 sf	
ot Coverage	30.0 %	
Max. Allowed	30 %	

SURVEY PREPARED BY
C & C Surveying LLC
4509 243rd PL AW
Mountlake Terrace, WA 98043
425.673.7502
ccsurveyllc@gmail.com





"UPPER AND LOWER ROCKERIES" ON NORTH SLOPE OF PROPERTY BUILT BY B&R ENTERPRISES LLC (FORMERLY 'BY DESIGN ROCKERIES') IN 2017

LSA

LIVING SHELTER
ARCHITECTS
PLLC

472-A FRONT ST. N ISSAQUAH, WA 98027 (425) 427-8643

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project name

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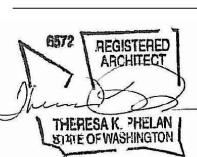
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structural engineer SWENSON SAY FAGET 206.443.6212 info@ssfengineers.com

geotechnical engineer EARTH SOLUTIONS NW

425.284.3300 kevenh@esnw.com



revisions

date 17 May 2019

sheet title

SITE PLAN

sheet number

HARDSCAPE-EXISTING		
TYPE	QTY (SF)	
DECKS	1304	
MISC	208	
	36	
	100	
GRAVEL	269	
	175	
STEEP SLOPE ROCKERIES	193	
	71	
TOTAL	2356	

LOT COVERAGE-EXISTING			
TYPE	QTY (SF)		
HOUSE	1474		
GARAGE/CARPORT	662		
DRIVEWAY	740		
TOTAL	2876		

LINE	PROPERTY LINE	EXISTING, UNPERMITTED ROCKERIES 264 SF
PROPERTY LINE		EXISTING RESIDENCE 1474 SF  EXISTING MISC. HARDSCAPE 264 SF  EXISTING GARAGE + CARPORT 662 SF  EXISTING GRAVEL 412 SF  EXISTING DRIVEWAY 740 SF

EXISTING-LOT COVERAGE 2876 SF
ALLOWED-LOT COVERAGE 2834.7 SF
EXISTING-HARDSCAPE 2356 SF
ALLOWED-HARDSCAPE 850 SF

# DRIVEWAY 52 GARAGE/CARPORT 662 TOTAL 714

LOT COVERAGE-DEMO

HARDSCAPE-DEMO

TYPE

DECKS

MISC

GRAVEL

STEEP SLOPE ROCKERIES

TOTAL

TYPE

QTY (SF)

1304

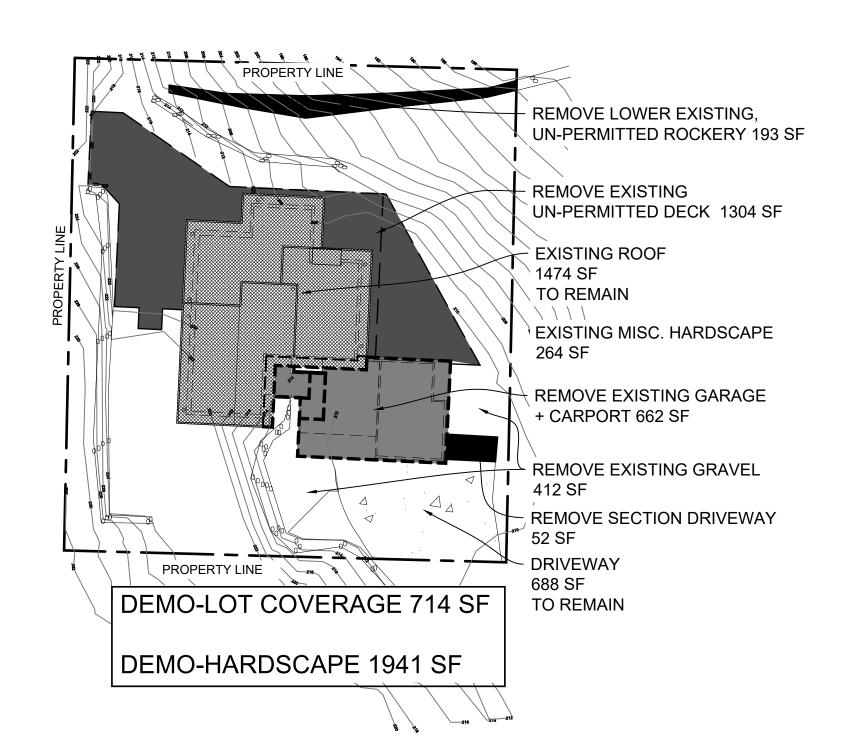
269

175

193

1941

QTY (SF)

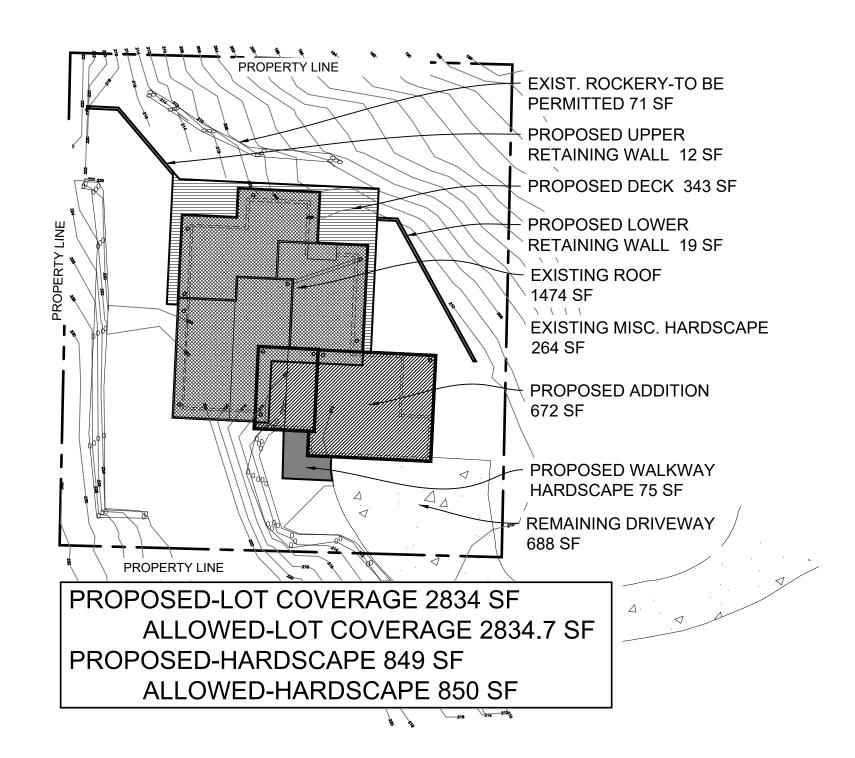




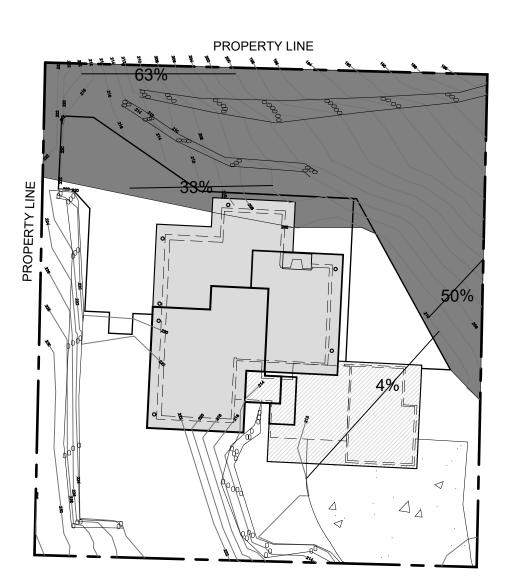
HARDSCAPE-NEW				
TYPE QTY (SF)				
DECKS	343			
MISC	31			
	40			
	20			
TOTAL	434			
	J			
EXISTING - DEMO + NEW	= PKOPOSED			

2356	1941	434	849
LOT (	NEW		
TYI	QTY (SF)		
GARAGE/	672		
ТОТ	672		
EXISTING -	DEMO -	+ NEW =	PROPOSED

2876 714 672







STEEP SLOPE AREA

SEE GEOTECHNICAL REPORT + LETTER
DETAILING PERMITTED CONSTRUCTION IN
STEEP SLOPE CRITICAL AREA

4) STEEP SLOPE AREA IN OR NEAR PROP. WORK

LIVING SHELTER
ARCHITECTS
PLLC

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kevenh@esnw.com

geotechnical engineer EARTH SOLUTIONS NW 425.284.3300

ARCHITECT

THERESA K. PHELAN
STATE OF WASHINGTON

revisions

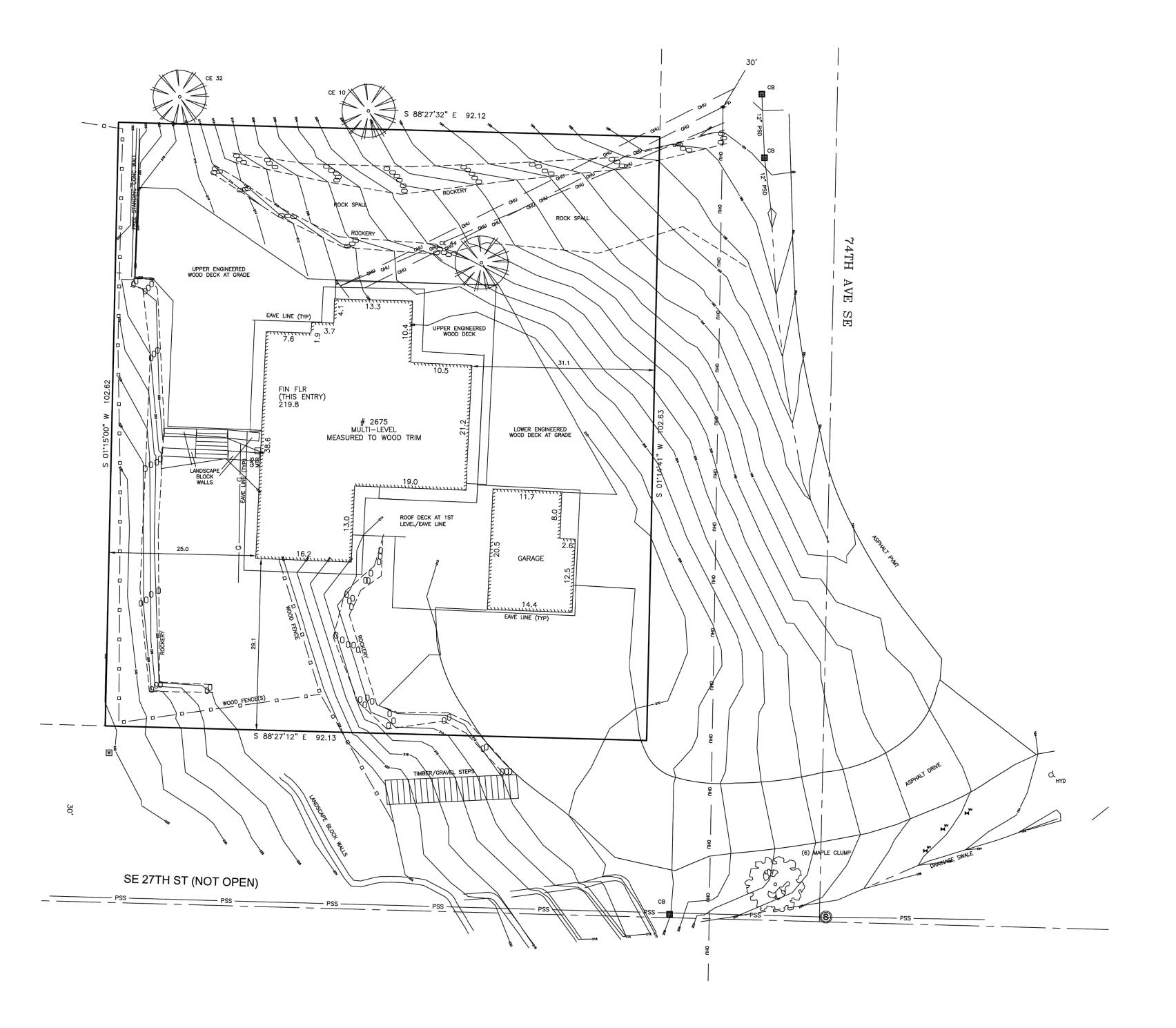
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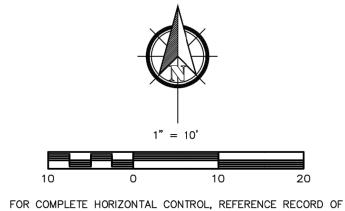
17 May 2019

sheet title

LOT COVERAGE/ HARDSCAPE

sheet number





SURVEY BY THIS FIRM DATED 10-2-2013, RECORDING NO. 201301121900001

#### LEGAL DESCRIPTION

THAT PORTION OF LOT 7, BLOCK 5, McGILVRA'S ISLAND ADDITION, AS PER PLAT RECORDED IN VOLUME 16 OF PLATS, ON PAGE 58, RECORDS OF KING COUNTY, WASHINGTON, DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHEAST CORNER OF SAID LOT 7; AND RUNNING THENCE WEST, ALONG THE SOUTH LINE THEREOF, 92.15 FEET; THENCE NORTH, PARALLEL WITH THE EAST LINE OF SAID LOT 7, A DISTANCE OF 102.65 FEET; THENCE EAST TO THE EAST LINE OF SAID LOT 7, A DISTANCE OF 92.15 FEET; THENCE SOUTH, ALONG THE EAST LINE OF SAID LOT 7, A DISTANCE OF 102.65 FEET TO THE POINT OF BEGINNING.

(FROM TRUSTEE'S STATUTORY WARRANTY DEED, REC. NO. 20071002000874, RECORDS OF KING COUNTY, WASHINGTON)

CONTAINS 9,454.2 SQ FT (0.22 AC.)

#### VERTICAL DATUM

VERTICAL DATUM - NAVD 88. POINT NAME 8240 (CITY OF MERCER ISLAND). 2" BRASS CAP WITH 'X' IN CONCRETE IN STEEL CASE AT INT. SE 27TH ST & 72ND AVE SE. ELEV = 259.04

SITE BENCHMARK - MOST WESTERLY BONNET BOLT ON FIRE HYDRANT AT SOUTHEASTERLY END OF SITE DRIVE, BOLT NORTH OF "M" IN "MULLER". ELEV = 196.11

> TREE DESIGNATIONS: (NUMBERS INDICATE DIAMETER -I.E. CE 10: 10" CEDAR TREE)

CE = CEDAR

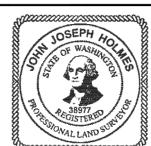
### SURVEYOR'S NOTES

- 1.) THE CONTROLS SHOWN REPRESENT A COMPILATION OF MEASUREMENTS MADE DURING THIS SURVEY,
- PREVIOUS SURVEYS PERFORMED BY THIS FIRM, PUBLIC RECORDED SURVEYS AND MUNICIPAL RECORDS. 2.) THE CONTROLLING MONUMENTATION WAS FOUND IN JULY, 2010. CONDITIONS NOTED ARE AS OF
- 3.) FIELD INSTRUMENTATION WAS A LEICA TCRP 1203 TOTAL STATION LAST CALIBRATED WITHIN THE YEAR BY A FACTORY RECOMMENDED METHODS.
- 4.) ANY ENCROACHMENTS SHOWN HEREON MAY OR MAY NOT INDICATE UNWRITTEN PROPERTY RIGHTS. 5.) THE BOUNDARY MARKERS AND LINES DEPICTED ON THIS MAP ARE PER RECORD TITLE INFORMATION AND REPRESENT DEED LINES ONLY. THEY DO NOT PURPORT TO SHOW OWNERSHIP LINES THAT MAY OTHERWISE BE DETERMINED BY A COURT OF LAW. WHERE DISCREPANCIES EXIST THE SURVEYOR
- RECOMMENDS THAT THE OWNER OR POTENTIAL PURCHASER CONSULT WITH LEGAL COUNSEL TO DETERMINE HOW BEST TO INTERPRET THEIR PROPERTY RIGHTS AND ADDRESS ANY POTENTIAL BOUNDARY DISPUTES.

  6.) FENCE LINES ARE SHOWN AS MEASURED TO THE CENTERLINE OF THE FENCE POSTS.
- 7.) TREES ARE MEASURED TO CENTERLINES OF TRUNKS.
- 8.) ALL DIMENSIONS NOTED ARE SHOWN IN U.S. FEET.
- 9.) OFFSETS AND SETBACKS ARE SHOWN PERPENDICULAR TO SIDE LINES. 10.) THE DRAWING SHOWN HEREON DOES NOT NECESSARILY CONTAIN ALL OF THE INFORMATION OBTAINED OR DEVELOPED BY THE SURVEYOR IN HIS FIELD WORK, OFFICE WORK, OR RESEARCH.
- 11.) THIS SURVEY WAS PERFORMED WITHOUT THE BENEFIT OF A TITLE REPORT AND DOES NOT PURPORT TO SHOW ANY OR ALL EASEMENTS OF RECORD.



THIS SITE SURVEY SHOWS EXISTING CONDITIONS SINCE 2017, INCLUDING NON-PERMITTED ROCKERIES ON THE NORTH SLOPE AND DECKS WRAPPING AROUND THE HOUSE FROM WEST, TO NORTH, TO EAST.



C & C Surveying LLC 4509 243rd PL SW

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> Mountlake Terrace, WA 98043 (425)673-7502 ccsurveyllc@gmail.com

TOPOGRAPHY SURVEY FOR JENNIFER BRENES 2675 - 74TH AVENUE SOUTHEAST PROJECT

SCALE:	1" = 10'	No.	Date	Ву	Revision	PROJ NO.		
SCALE.	1 – 10					-	3013.	$\circ$
DATE:	3-13-2018						JU1J.	
DRAWN BY:	JJH					SHEET		
MAP FILE:	3013.2TP					1	OF	1
	33.3.2					] —՝—	_	
						I		

LIVING SHELTER **ARCHITECTS PLLC** 

472-A FRONT ST. N ISSAQUAH, WA 98027 (425) 427-8643

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project name

**BRENES** REMODEL

project address 2675 74th Ave SE

Mercer Island, WA 98040

CHRIS & JEN BRENES

619.957.5849 jenniferbrenes@comcast.net

project manager **ROY MCGARRAH** living shelter architects 425.427.8643 roy@livingshelter.com

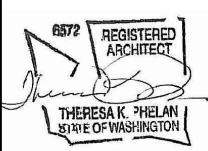
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structural engineer SWENSON SAY FAGET 206.443.6212

info@ssfengineers.com geotechnical engineer

**EARTH SOLUTIONS NW** 425.284.3300

kevenh@esnw.com



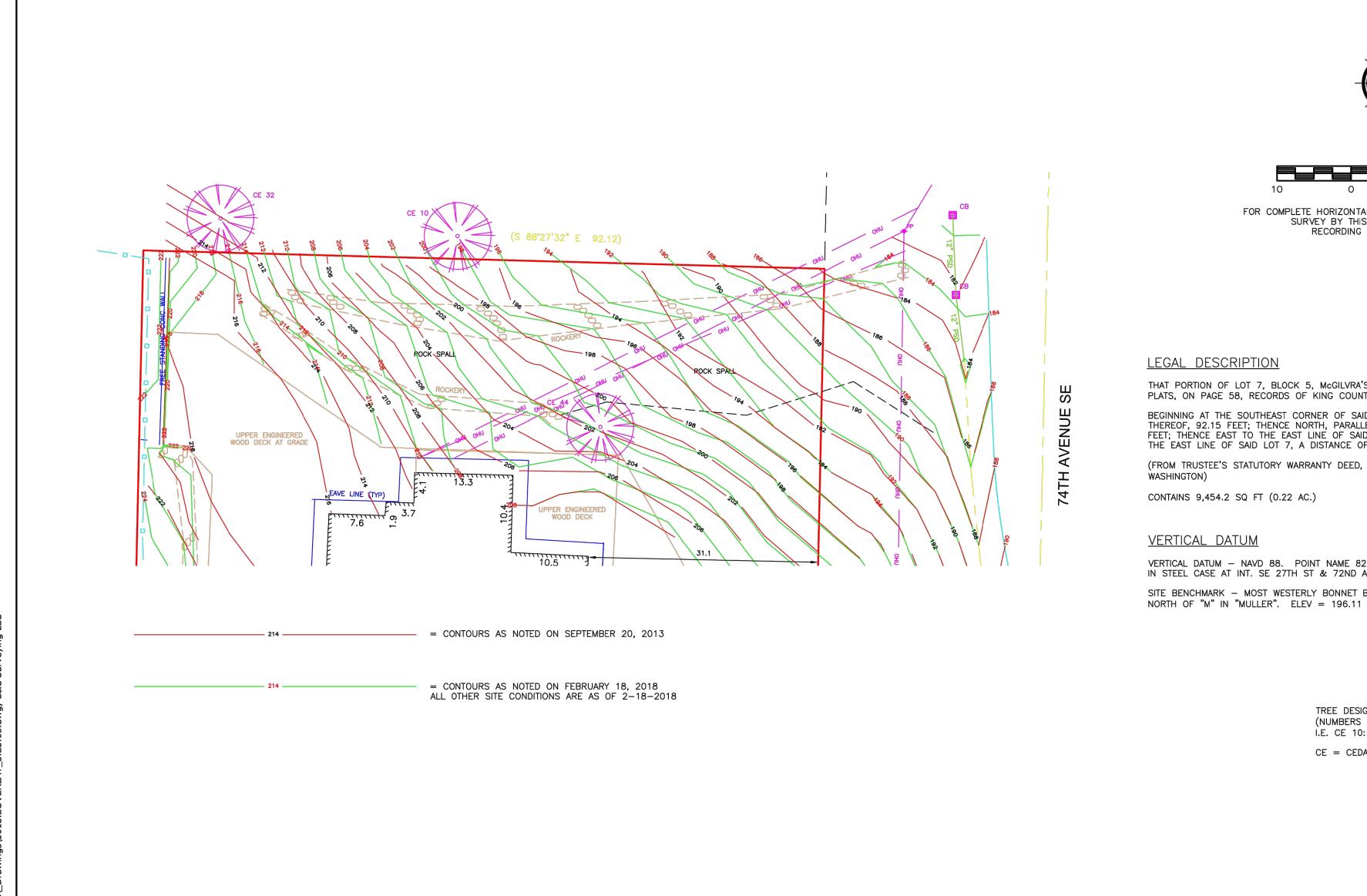
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SITE SURVEY

sheet number

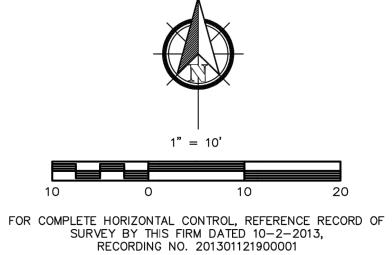


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PROJ NO. 3013.20VERLAY

CE = CEDAR



C & C Surveying LLC 4509 243rd PL SW

Mountlake Terrace, WA 98043 (425)673-7502 ccsurveyllc@gmail.com

	SURVEY FOR:						
1	JENNIFER BRENES						
J	SCALE: 1" = 10'	MAP FILE:	3609TPR1	DRAWN BY: JJ			
	DATE: 3-23-2018	IVIAI TILL.	300911101	REV:			
-	2675 - 74TH AVE SOUTHEAST PROJECT						
n I				CHEET NUMBER			

1 OF 1

SITE SURVEY - COMPARATIVE TOPO PRE/POST ROCKERIES

THIS SITE DRAWING SHOWS CONTOURS SURVEYED IN 2013, BEFORE ROCKERIES WERE INSTALLED ON THE NORTH SLOPE OF THE BRENES' PROPERTY AND A COMPARATIVE SET OF CONTOURS SURVEYED AFTER THEIR CONSTRUCTION IN 2018.

THE LOWER ROCKERY WILL BE REMOVED, PER SITE PLAN, AND CONTOURS RETURNED TO PREVIOUS STATE SHOWN HERE FROM 2013.



LIVING SHELTER **ARCHITECTS PLLC** 

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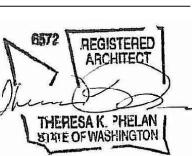
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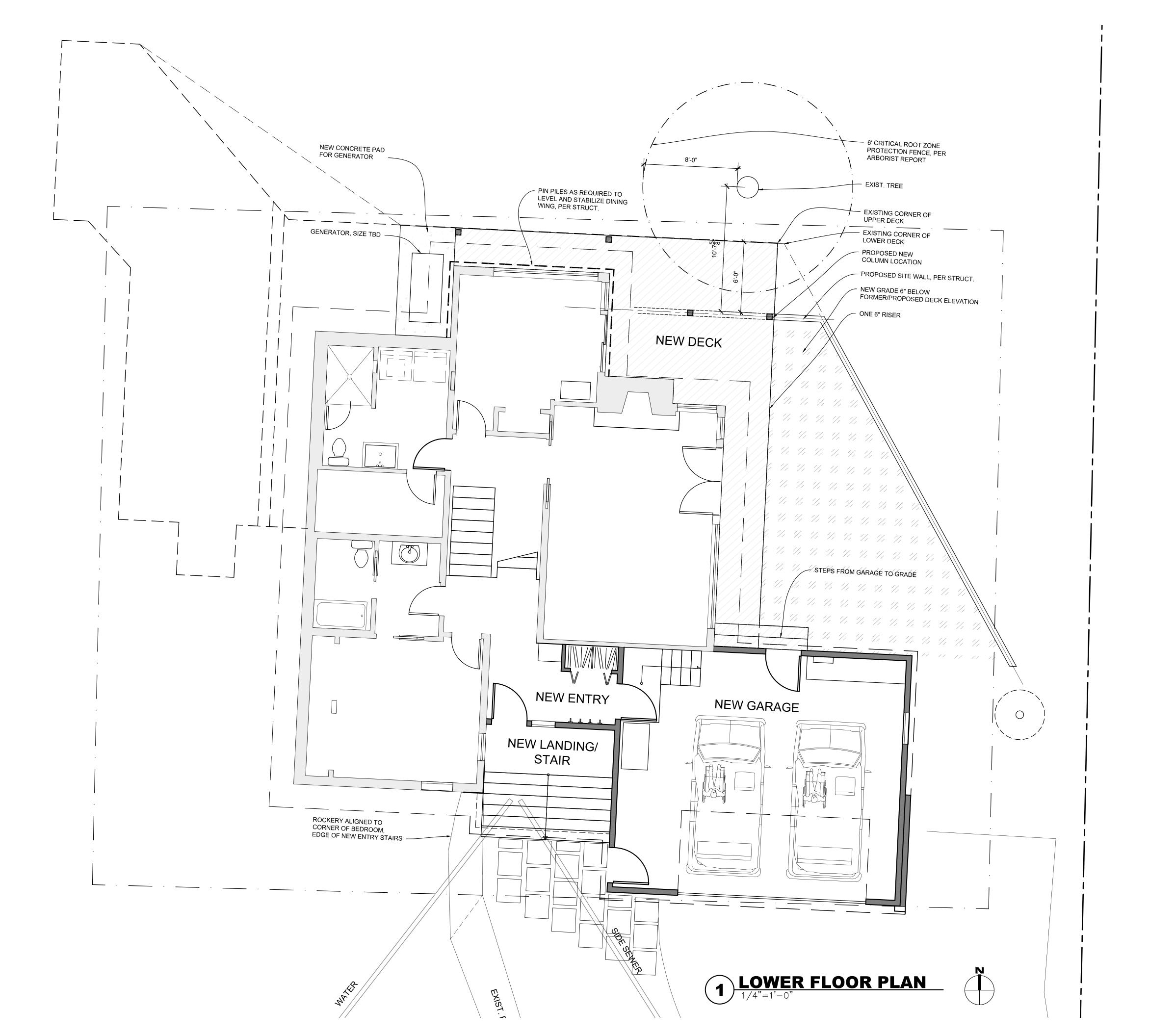
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**COMPARATIVE** SITE SURVEY

sheet number





#### LIVING SHELTER ARCHITECTS PLLC

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geotechnical engineer EARTH SOLUTIONS NW 425.284.3300 kevenh@esnw.com

REGISTERED ARCHITECT

THERESA K. PHELAN STATE OF WASHINGTON

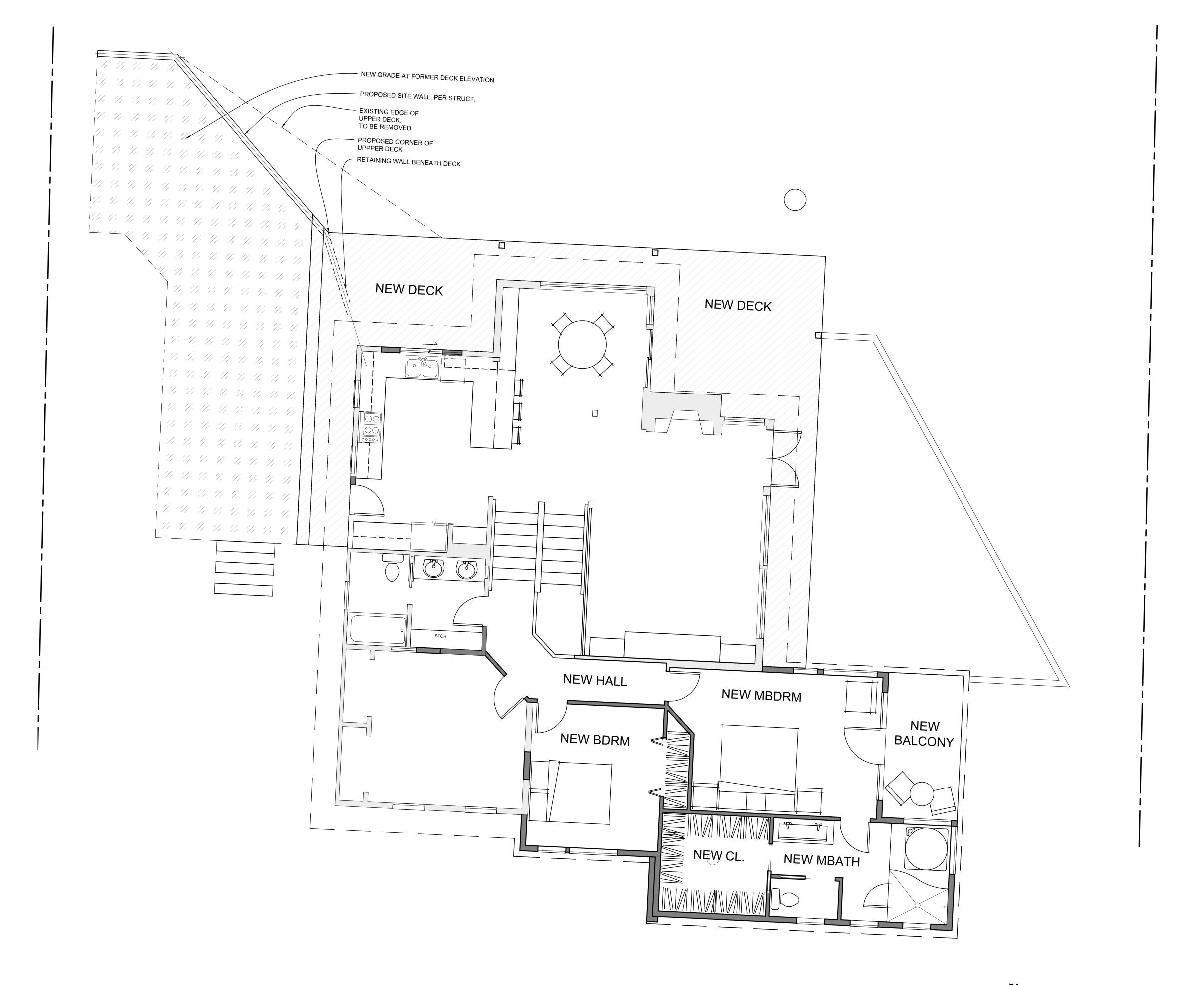
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LOWER FLOOR PLAN

sheet number









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project name

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BRENES

**REMODEL**project address
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Mercer Island, WA 98040

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jenniferbrenes@comcast.net

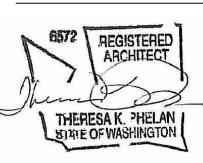
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