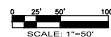


SUNRISE HILLS

z-



ALL ROAD AND FRONTAGE IMPROVEMENT DESIGN ON THIS EXHIBIT IS CONCEPTUAL AND WILL BE FORMALLY DESIGNED WITH FINAL ENGINEERING TO COMPLY WITH TUMWATER STANDARDS AND ADA REQUIREMENTS.

- ALL UTILITIES SHOWN ON THIS EXHIBIT ARE CONCEPTUAL AND WILL BE FORMALLY DESIGNED WITH FINAL ENGINEERING

BARGHAUSEN CONSULTING ENGINEERS, INC. HAS NOT VERIFIED THE ACCURACY OF THE SURVEY PROVIDED BY LENHERR SURVEYING PLLC, LIMITS OF THE 40 PERCENT SLOPES, THE LOT LAYOUT, AND DENSITY CALCULATIONS AS SHOWN ON THIS PLAN.

BARCHAUSEN CONSULTING ENGINEERS, INC. HAS NOT COMPLETED ANY DRAINAGE DESIGN OR ANALYSIS.

EDGE EX PAVEMENT
PER SURVEY

END OF TRANSITION
TO EX PAVEMENT
(MIN 5:1 TAPER)

ADA RAMPS TO BE INSTALLED TO
CONNECT TO EX. SIDEWALK - DESIGN
TO BE DETERMINED AT FINAL
ENGINEERING WITH ADDITIONAL SURVEY

APPROX ENGINEERED BARRIER DESIGN
AND LIMITS TO BE DETERMINED BY
GEOTECHNICAL ENGINEER (TYP)

EMERGENCY
OVERFLOW
PROPOSED STORMFILTER F
WATER QUALITY TREATME
(DESIGN BY OTHER

**Burghelmann
Consulting Engineers, Inc.**



Preliminary
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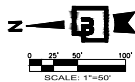
CONCEPTUAL ROAD AND
UTILITY EXHIBIT FOR
SUNRISE HILLS

CHUL M. KIM
454 SW 297TH STREET
FEDERAL WAY, WA 98023
CONTACT: CHUL M. KIM

PHONE: (205) 835-6300

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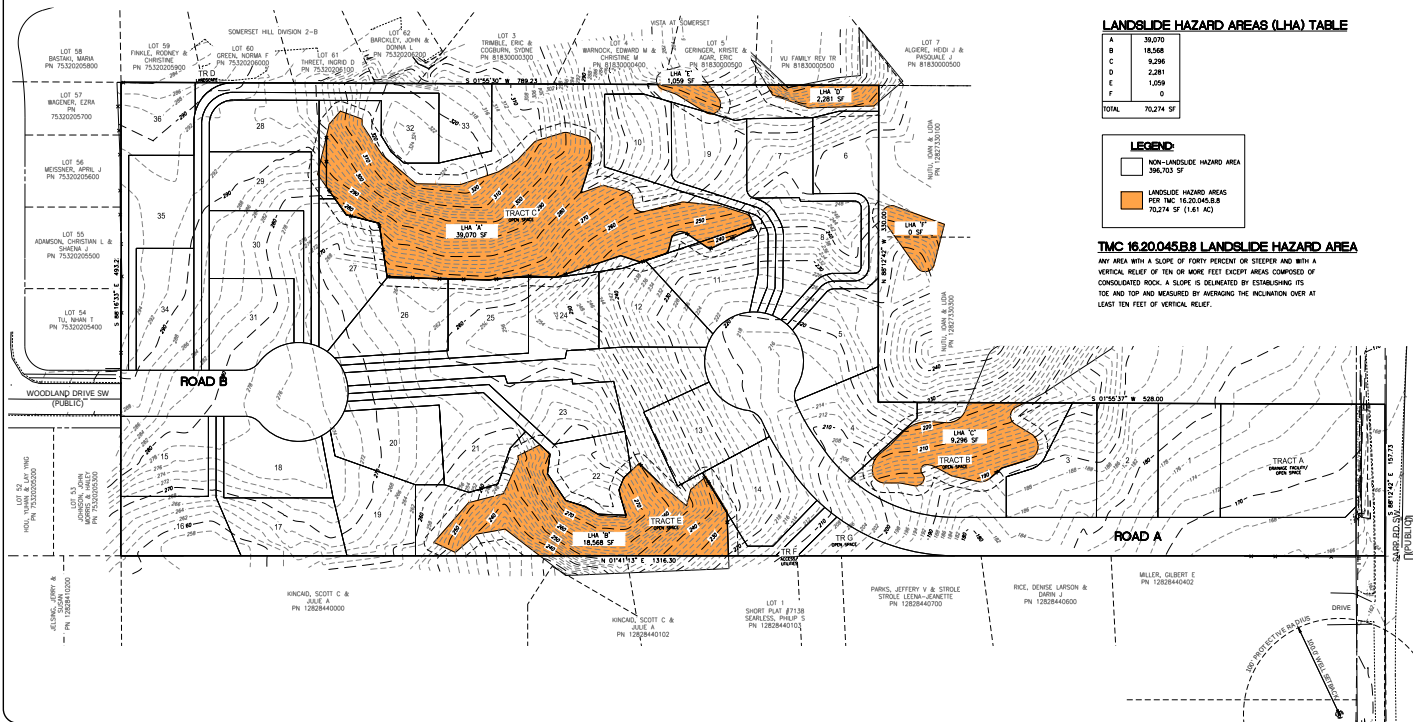
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2 OF 3	



LANDSLIDE HAZARD AREA EXHIBIT OF

SUNRISE HILLS

A PORTION SW 1/4 OF THE SW 1/4 OF SECTION 27, TOWNSHIP 18 N, RANGE 02 W, WM.
CITY OF TUMWATER, THURSTON COUNTY, WASHINGTON



LANDSLIDE HAZARD AREAS (LHA) TABLE

A	39,070
B	18,568
C	9,296
D	2,281
E	1,059
F	0
TOTAL	70,274 SF

LEGEND:

	NON-LANDSLIDE HAZARD AREA 396,703 SF
	LANDSLIDE HAZARD AREAS PER TMC 16.20.045.B 70,274 SF (1.61 AC)

TMC 16.20.045.B LANDSLIDE HAZARD AREA

ANY AREA WITH A SLOPE OF FORTY PERCENT OR STEEPER AND WITH A VERTICAL RELIEF OF TEN OR MORE FEET EXCEPT AREAS COMPOSED OF CONSOLIDATED ROCK. A SLOPE IS DETERMINED BY ESTABLISHING THE TOE AND TOP AND MEASURED BY AVERAGING THE INCLINATION OVER AT LEAST TEN FEET OF VERTICAL RELIEF.

Preliminary
3/11/2022 3:50:36 PM

SHEET TITLE
**LANDSLIDE HAZARD AREA
EXHIBIT FOR
SUNRISE HILLS**

CLIENT: CHALM KIM
1000 1ST STREET
FEDERAL WAY WA 98003

CONTACT: CHALM KIM
PHONE: (206) 855-0300

SHEET
3 OF 3

REV



**Bagshaw
Consulting Engineers, Inc.**
1805 72nd Avenue South
Tacoma, WA 98406
253-855-0300
bagshaw.com

REVISION	DESCRIPTION	DATE	BY
1	CITY REVIEW	11/8/22	