

# SouthHill Redevelopment

## Inventory & Analysis

### Site Inventory:

Area of Site: 505,017 sq. ft.  
 Area of Wooded Areas: 96,534 sq. ft.  
 Area of Off-site Stormwater Contribution: 8,561 sq. ft.

ToC Line = Time of Concentration line at 1350' has a time of concentration of 2.67(hr) for a 2yr storm in Moscow of 1.8"  
 \* A 1" event did not register and run off

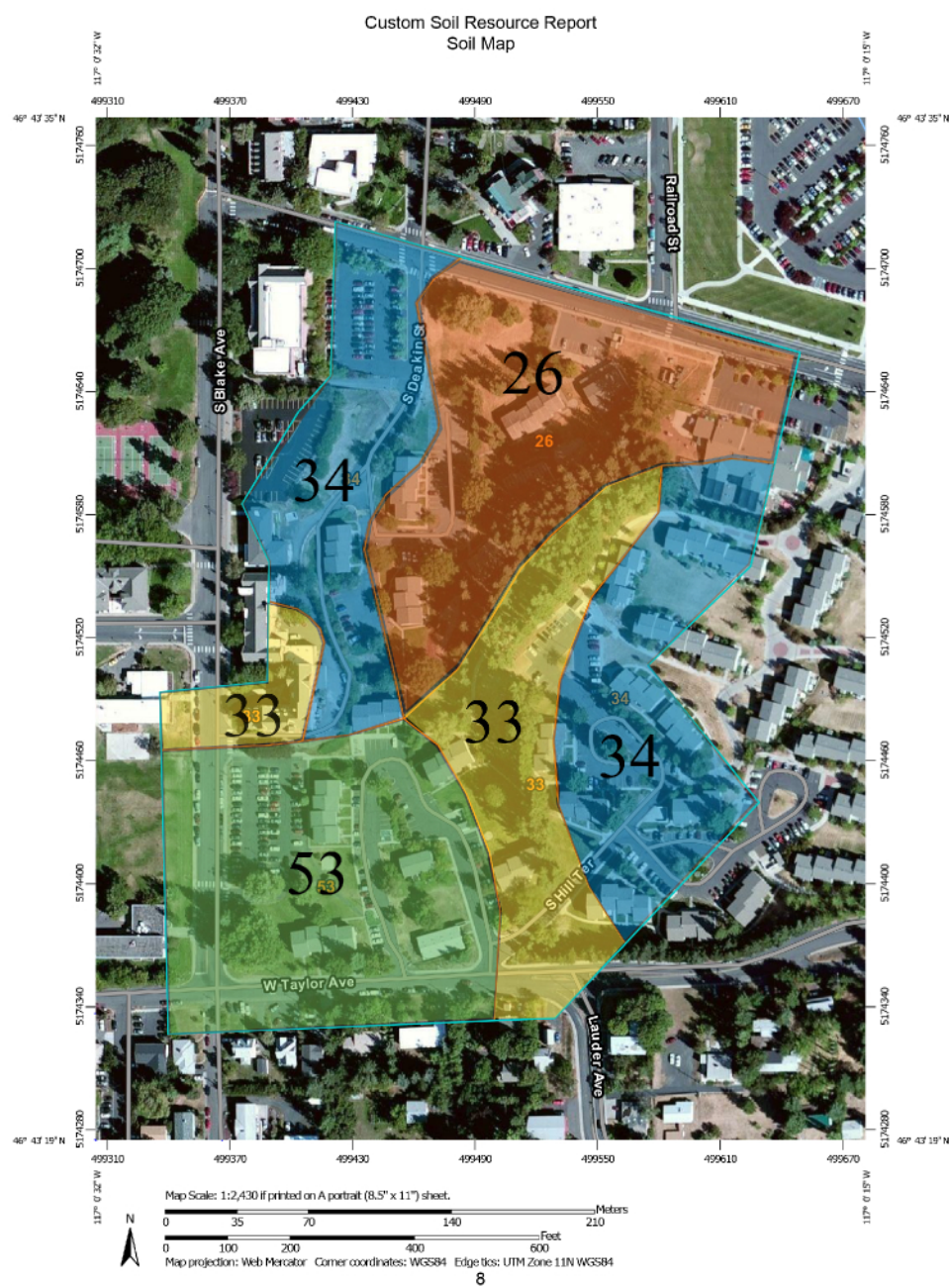
KEY	
(E)	Electric Manhole
(CB)	Collection Basin
(S)	Sewer Manhole
(*)	Lights
(T)	Vegetation
(-)	Site Boundary
(-)	50' Buffer Zone
(-)	Curbing
(SS)	Sanitary Sewer Lines
(SD)	Storm Drain Lines
(WD)	Water Lines





# SouthHill Redevelopment

## Soil Data:



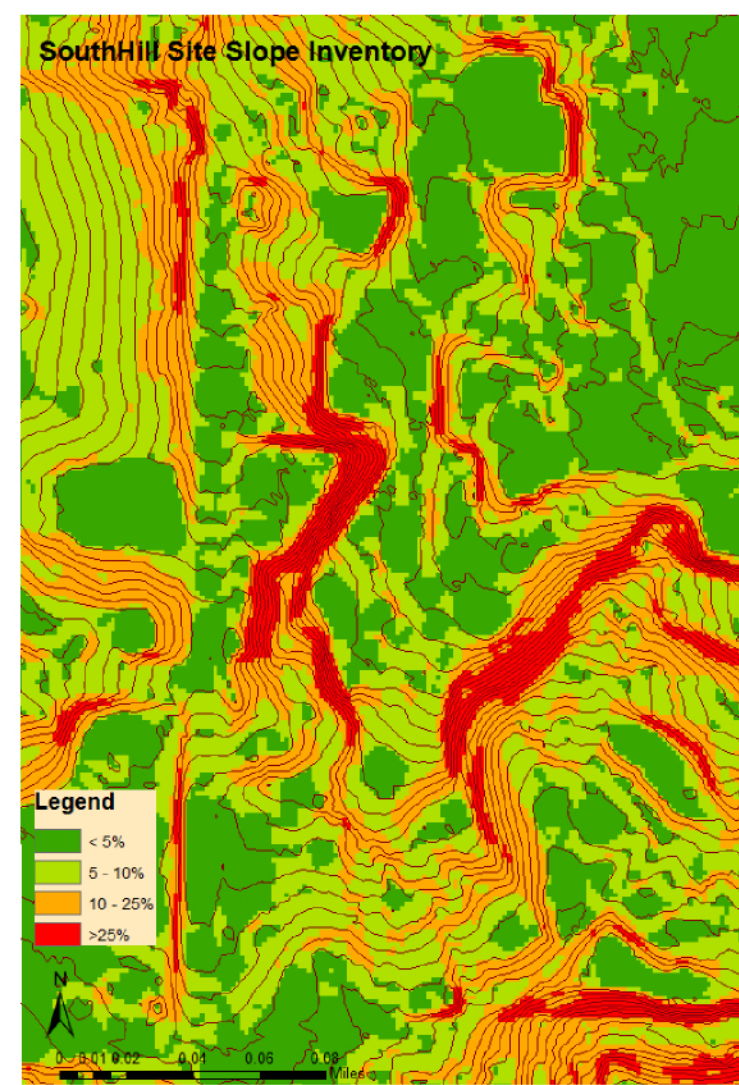
## Soil Key

Map Unit Symbol	Map Unit Name	Rate of Percolation
26	Latahco silt loam, 0 to 3 percent slopes	.2 - .6 in/hr
33	Naff-Palouse complex, 7 to 25 percent slopes	.2 - .6 in/hr
34	Naff-Thatuna complex, 7 to 25 percent slopes	.2 - .6 in/hr
53	Thatuna silt loam, 3 to 7 percent slopes	.2 - .6 in/hr

Source: Natural Resources Conservation Service, 2013, Primary Data Characteristic Tables

There are four main soil types on the site. The largest being Naff-Thatuna complex, taking up about 30% of the site with a rate of percolation between .2 and .6 inches per hour. This soil type is found on slopes between 7% and 25%. The steepest locations on the site are generally the Naff-Palouse complex, which will require vegetation to minimize erosion.

## Slope Inventory:



As with the climate, there is a wide variety of slopes the site. Ranging from nearly flat, to greater than 25%. Some of the steepest slopes on site are heavily vegetated with trees and grass. The majority of slopes on the site are less than 10%.

## Climate Data:

Month	Average Daily Temp	Average Daily Max	Average Daily Min	Avg. # Growing Degree Days	Average Precipitation (in.)	Average # Days 0.10" or more	Average Snowfall (in.)
January	29.2	35.3	23.0	39	3.23	9	15.9
February	34.5	41.4	27.5	49	2.01	6	6.9
March	38.3	46.9	29.7	71	1.98	7	4.8
April	45.5	56.6	34.3	191	1.79	6	0.9
May	53.7	66.6	40.8	425	1.77	5	0.0
June	59.9	73.7	46.0	597	1.72	5	0.0
July	66.6	84.3	48.8	825	0.58	2	0.0
August	66.1	83.3	48.8	809	0.85	2	0.0
September	58.9	73.9	43.7	567	1.19	4	0.0
October	48.9	60.3	37.3	287	1.90	5	0.3
November	37.7	44.8	30.6	63	3.02	8	4.4
December	31.4	37.0	25.7	26	3.35	10	14.9
<b>Average Total</b>					<b>23.37</b>	<b>Average Total</b>	<b>48.1</b>

The climate in Moscow, ID is very wide spread, with temps range from 83.3 degrees in August to 25.7 degrees in January. There is also a wide range in precipitation, with the summer months receiving very little precipitation and the winter months receive much more, usually in the form of snow. This indicates that much of the plants will need to be somewhat drought tolerant for the summer, or require artificial water.

## Photo Analysis



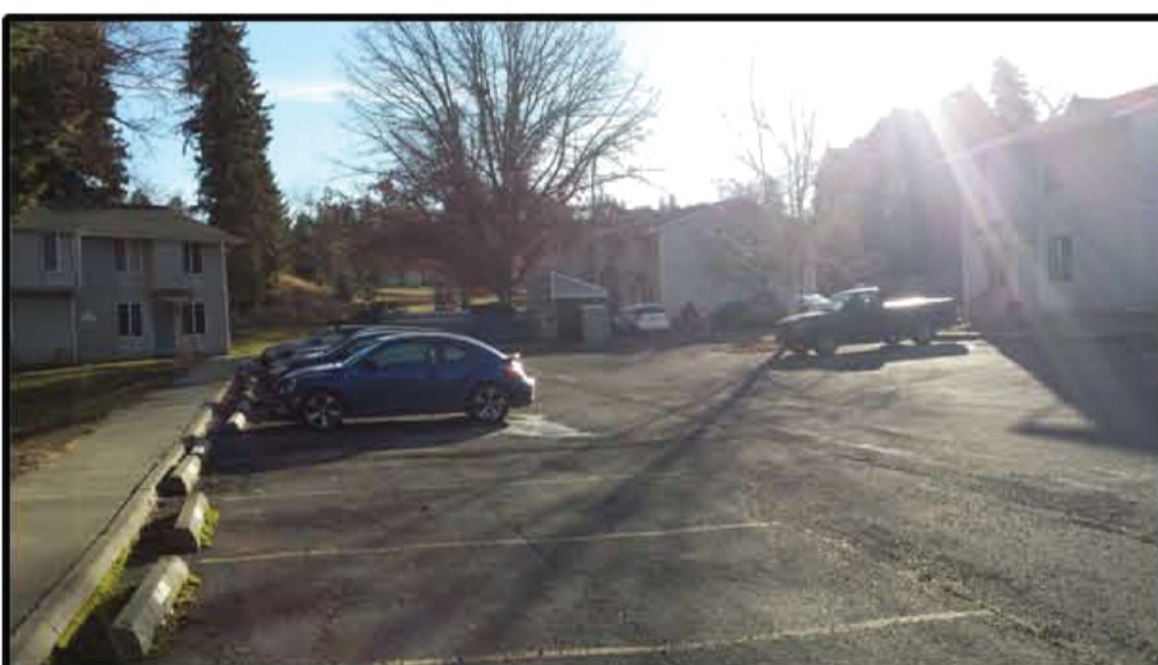
1. Taylor Ave Entry - All water from street flows right onto site



2. Large stand of Pines on the site is in excellent condition, some treatment for the brush is needed. Paths of desire have been clearly laid to the current design and could use professional attention for safety and aesthetics.



3. Playground has no sense of place and lacks nearly any appeal to encourage play. The area is close to the apartments, however there is difficulty seeing children playing from the apartments. There is good sun light and mild slope.



4. Parking lot with great potential to be a center of the housing area. Very gentle slopes and receives a significant amount of sunlight year round. There is also a wooded area on both side of the lot.



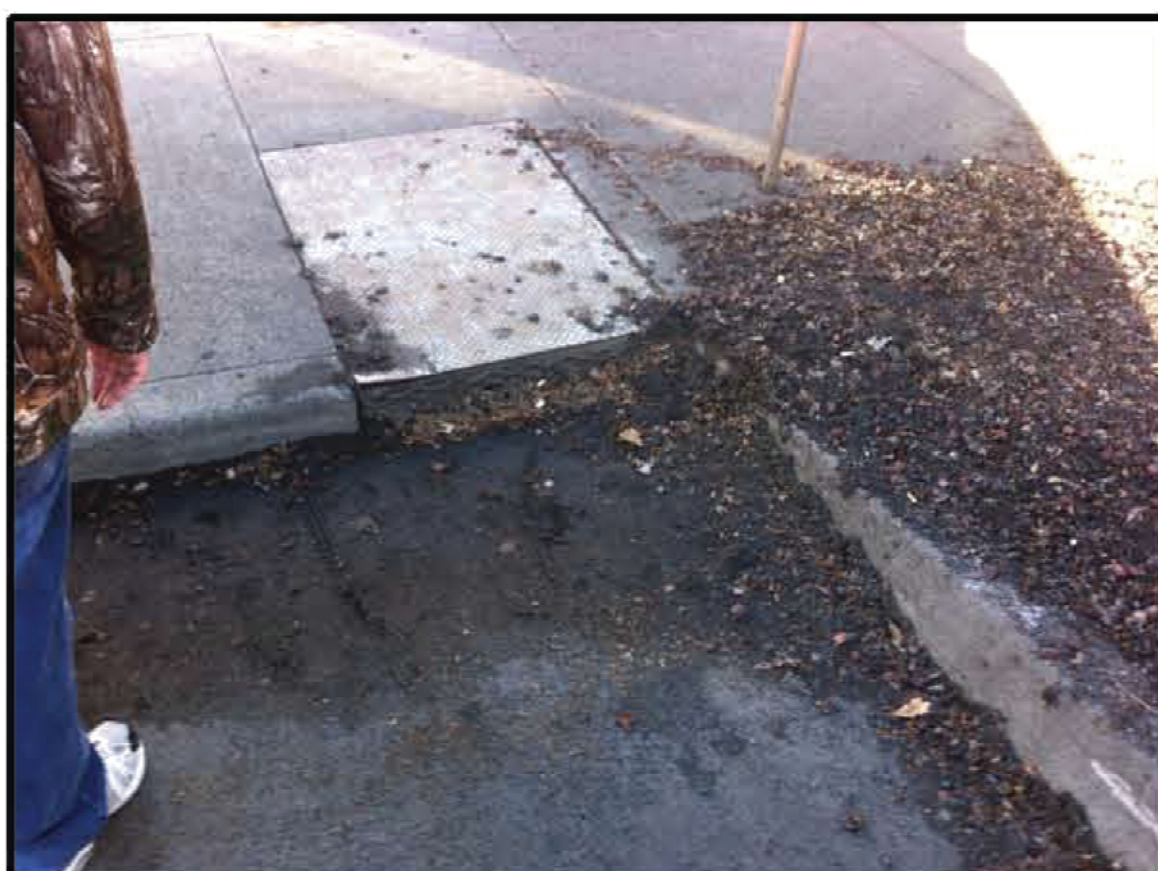
5. Corner of Sweet and Deakin. Large old Willow. Large vacant area is in need of gathering amenities. Great opportunities for landscape rec area.



6. Transformers at the low point on the site. This is a prime are for gathering because of its location on Sweet Ave.



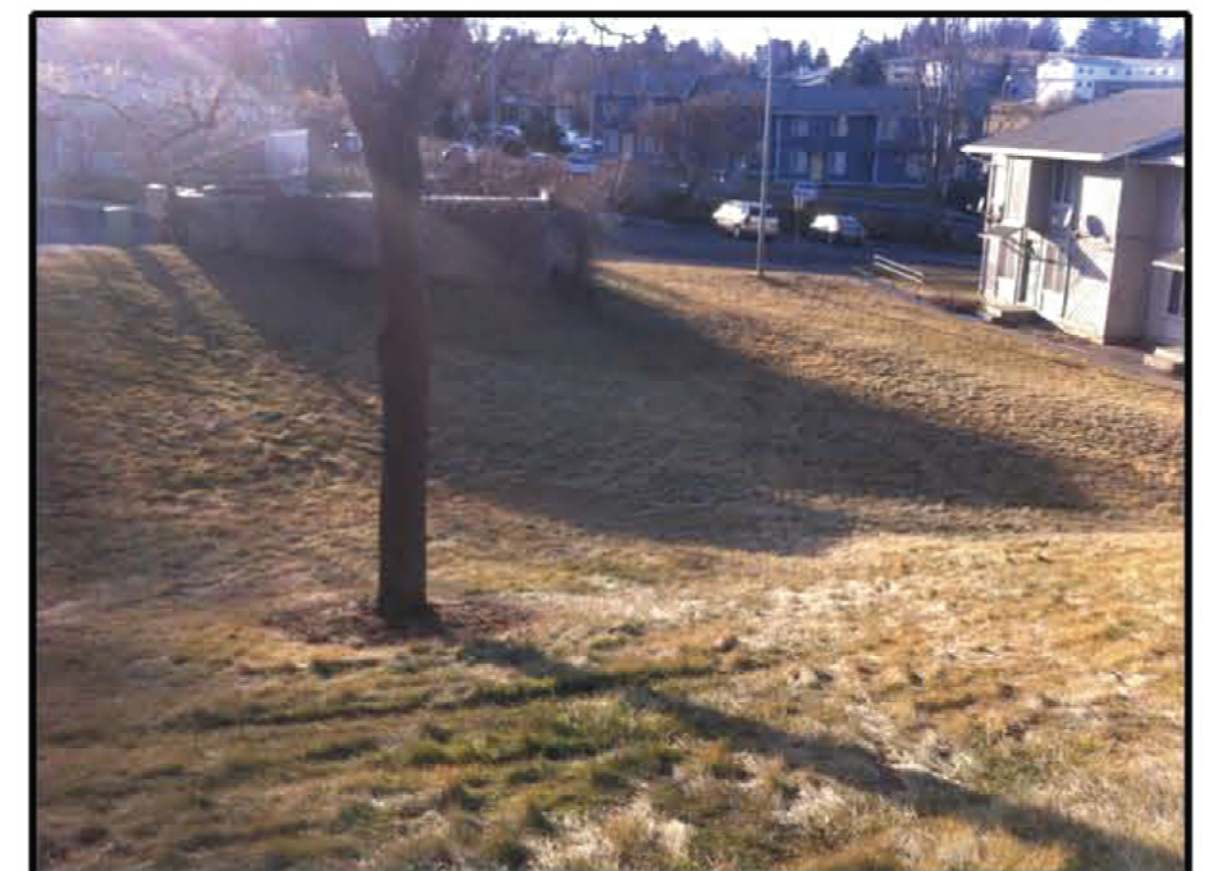
7. The low point on the site with a drain the brings water under sweet Ave.



8. Drain to help water escape the parking lot during storm events. Clearly clogged and poorly managed.



9. Looking in from Taylor Ave. Water flows directly towards buildings, bypassing drains because of poor placement.



10. Entire grassy area drains to door step of apartments. Large wasted grassy space.



11. Small gazebo and basketball court. Not very inviting.

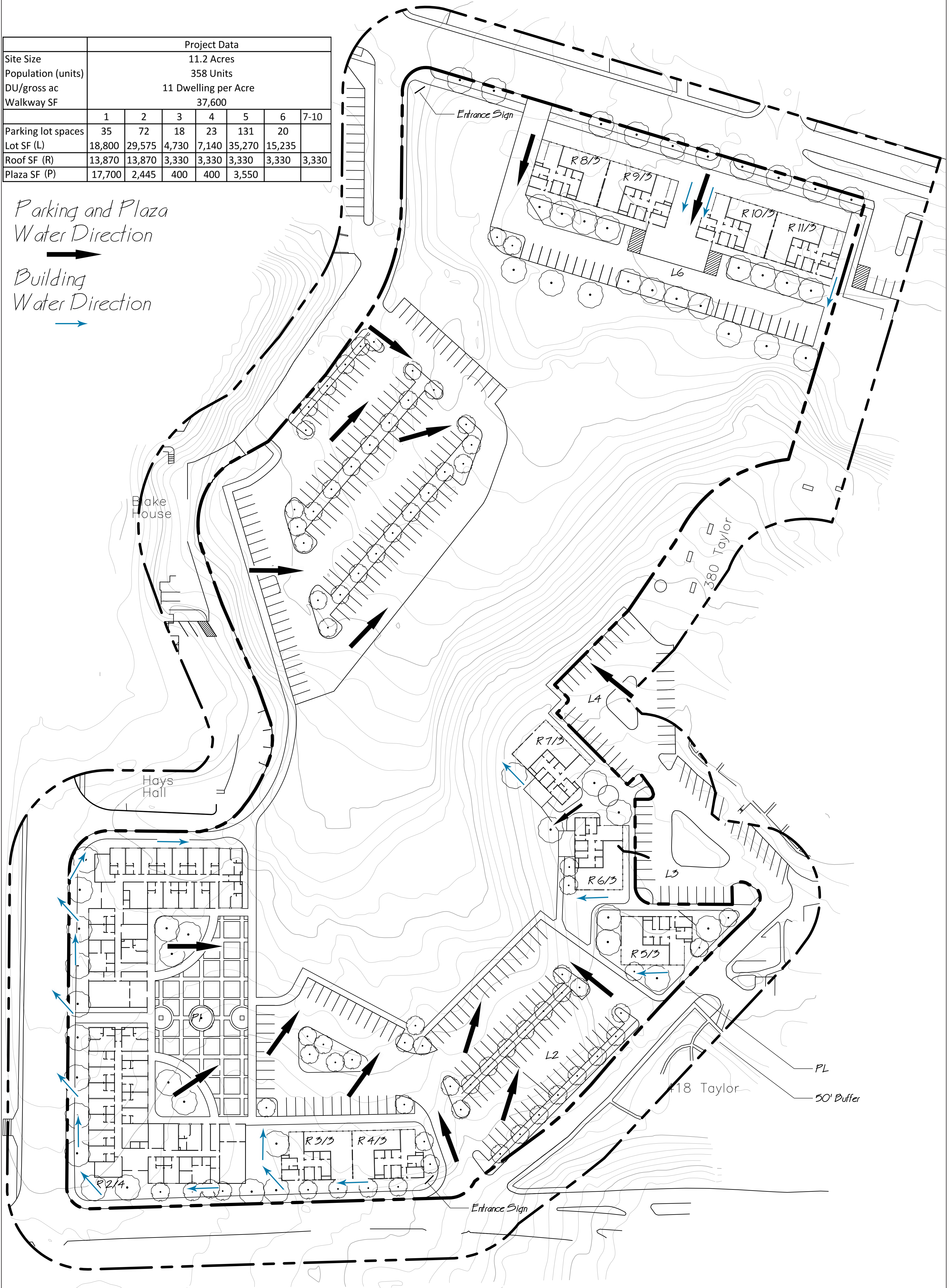


Project Data							
Site Size	11.2 Acres						
Population (units)	358 Units						
DU/gross ac	11 Dwelling per Acre						
Walkway SF	37,600						
	1	2	3	4	5	6	7-10
Parking lot spaces	35	72	18	23	131	20	
Lot SF (L)	18,800	29,575	4,730	7,140	35,270	15,235	
Roof SF (R)	13,870	13,870	3,330	3,330	3,330	3,330	3,330
Plaza SF (P)	17,700	2,445	400	400	3,550		

Parking and Plaza  
Water Direction

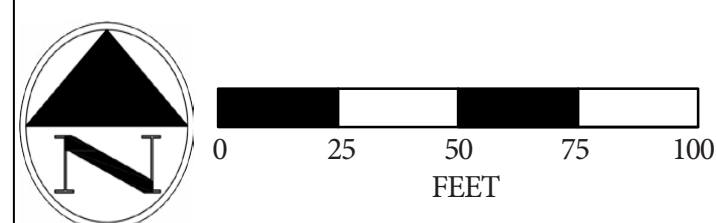


Building  
Water Direction



# Southhill Student Complex

Site Layout



University of Idaho  
Dept of Landscape Architecture  
LARC 380 Managing Water in the Landscape  
Instructor: Gary Auslin  
Students: Robbie Quinn, Kevin O'Hair, Kyle Moen,  
Jill Goose, Tyler Chambers, & Jesse Procks

Task 2