

Combined water grate, open drains, and pipe data for Southwest Additions (SWA) storm sewer system

June 4, 2025 (preliminary) update **Sept 26, 2025**

Address/Owner	# Grates and catch basins	grate1 in pipe size	grate1 out pipe size	grate2 in pipe size	grate2 out pipe size	Open drains	Open pipe length (ft)	Lot Sq Area (sq.ft.)	Locations
2605 Akmal	2	No input pipe but roadway directs flow into the top of grate1.	4in pipe directs water into yard	4in pipe from downspout to grate2. Runoff off driveway also goes to grate2	6in output flows to 2610_grate1	0		12,700	2605_grate1 is at the top of hill by Akmal gravel parking area and has a single pipe output. 2605_grate2 is at west end of Akmal's driveway and a buried pipe under the roadway delivers grate2 output to 2610_grate1
2610 Canning-Zhou	1	4in input from front downspout and 6in input from 2605_grate2	8in output flows to 2620_grate1			0		15,460	2610_grate1 is a triple pipe catch basin that is located by Canning-Zhou lower south driveway. Grate1_out flows down through buried pipes to 2620_grate1. Some roadway water also likely to flow into grate1.
2615 Mettler	1	none	4in output to backyard			0		13,200	2615_grate1 is located on NE corner of Mettler's driveway and has only 1 exit pipe that drains into backyard. Some roadway water also likely to flow into grate1.
2620 DeVaney	3	2620_catch basin1 has a 4in input from 2610 backyard downspout, and 6in from 2610_grate1.	6in output flows to 2620_catch basin2.	2620_catch basin2 6in input pipe from 2620_catch basin1 and 6in-8in(?) output to catch basin3	2620_catch basin3 has 4in input from 2620 downspouts and 6in-8in(?) input from catch basin2. Assume 12in output to 2625_grate1	0		14,891	2620_catch basin1 is a triple pipe catch basin located on east side of road midway between DeVaney and Canning-Zhou lots. 2620_catch basin2 is buried next to wooden flower box bordered by the driveway and the roadway. 2620_catch basin3 is a triple pipe catch basin and is located next to the down hill corner of the second wooden flower box. All catches are connected by buried pipes. A buried pipe carries catch_basin3 under the roadway to 2625_grate1.
2625 Beck-Johnson	1	12in input from 2620_grate1	12in output to 2635_grate1			0		18,314	2625_grate1 is by Beck-Johnson lower gravel driveway. Downspouts from the north side of the house drain through an open rock filled trough to the top of grate1. A buried pipe carries grate1 output to 2635_grate1.

2635 Boblenz	1	4in input from 2635 yard, and 10in from 2625_grate1.	10in output flows through OD0, under the Moslimany 2655 driveway, and under the roadway to 2650_grate1.			OD0	OD0 ~50ft	14,127	2635_gate1 has a triple pipe catch basin located on the NE corner of the Boblenz driveway. The output flows into OD0. OD0 is an open 18in x 5in trough on north side of the Boblenz lot. A buried pipe carries OD0 output under the El-Moslimany driveway and then under the roadway to 2650_grate1.
2640 Brinson	0					OD1	OD1 23ft each	14,500	2640_OD1 starts at the 2640 Brinson lot and directs road water to 2635_OD0. OD1 consists of 3 - 2x2in open troughs that cross the top of the roadway and direct roadway water to OD0. The third trough is ~15ft below the other two troughs.
2650 Little	1	12in input from 2635_OD0	12in output to buried drain pipe connects to 2670_grate1. A 6in output pipe flows to the community lot.			OD2		12,800	2650_grate1 is a three pipe catch basin and is located at the SW end of Little's driveway next to the community lot. It receives flow from the buried pipe to 2635_OD0 and output from 2655_OD2 (see 2655_EI-Moslimany) . Grate1 output flows down to 2670_grate1.
Lot Community						unknown underground pipe (assumed 12in)	~90ft	9,900	See 2650_grate1 for grate details. Grate1 output flows through underground pipe underneath community lot and 2660 Booher-Ayers lot to 2670_grate1.
2655 El-Moslimany	0					OD2, OD3	OD2 and OD3 are ~23ft	14,000	2655_OD2 is an open 5in x 3in open drain that starts at the NE end of the El-Moslimany driveway and crosses over the roadway. OD2 contains a large chain. OD2 diverts roadway water to the Little 2650_grate1. OD3 is located on the roadway below OD2 and consists of three 2in x 2in open drains to divert roadway water to Swanzy 2670_grate1. Tightline downspouts connect from El-Moslimany's downspouts through buried pipe to 2670_grate1.
2660 Booher-Ayers	0					0		13,400	No known direct connections to storm system

2665 Huan-Haffeman	0					OD4	OD4 ~19ft (3 of 4 troughs)	14,500	2665_OD4 starts on the north side of the Huan-Haffeman lot. OD4 diverts roadway water to the Swanzy 2670_OD5. OD4 consists of four 2in x 2in open drains.
2670 Swanzy	2	12in input from the Little 2650_grate1, and 12in input from buried pipe connected to El-Moslimany 2655 downspouts.	12in output to grate2.	10in input from grate1	10in output to OD5.	OD3, OD4, OD5, OD7 (see 2655_OD3, 2665_OD4 and 2681_OD7 for details of those open drains)	OD5 18.5ft ft and flows to underground drain pipe ~50ft to rock wall on west edge of turnaround.	14,700	2670_grate1 is a three pipe catch basin located on the north side of the roadway between the Boorher-Ayers and Swanzy lots. 2670_grate2 is located on the SE corner of the Swanzy driveway. The grate2 output flows to 2670_OD5. 2670_OD5 is a 18in half pipe covered with a grate that carries water from grate2 through a buried 12in pipe to Johnson 2681-OD7_rockwall (rockwall by the 2681_Johnson carport).
2675 McGarry	1	6in	6in			OD6	OD6 ~60ft	16,680	2675_grate1 has 4in pipe that connects to a buried catch basin on the McGarry's lot. 2675_OD6 is an open drain along the east side of McGarry's driveway to grate1 at the bottom of the driveway.
2680 O'Donnell-Shannon	2	2in pipe from carport downspout	6.5in output to grate2	4in input pipe from back yard catch, and 6inx4.5in input from formed concrete opening from 2680_grate1.	12in output goes by buried pipe to Beach_grate1.	OD8	OD8 ~14ft	12,700	2680 grate and open drains are located between SE side of the O'Donnell-Shannon lot and the Beach lot. 2680_grate1 (starting at the O'Donnell lot) is a 3in x 4in trough covered with a 6ft long metal grate and connects to grate2. Grate2 directs some roadway water to flow to 2680_OD8; however, grate2 also directs water to buried pipe to Beach_grate1. The OD8 output directs roadway water to the top of Beach_grate1.

2681 Johnson	5	catch_basin 1 has 6in input from carport downspout.	6in output goes into a buried pipe that eventually leads to 2681_grate2.	Grate2 has 2-6in inputs. One directs water from the 2681 catch_basin 1, and the other appears to be from the Beach_lot.	6in output flows to Puget Sound beach area.	OD5, OD7, OD8 (see 2670_OD5 and 2680_OD8 for details)	OD7 ~10ft	9,969	2681_catch basin1 is located on the SW corner of the 2681 carport on the top path to the the Johnson lot. Input comes from the 2681 carport downspout. The output goes eventually to 2681_grate2. 2681_grate2 is a three way catch basin located between the south side of the beach lot and north side of Johnson's lot next to "Private Property" sign. While two of the pipes allow the flow of water to Puget Sound, one pipe appears to be input from the Beach lot. There are additional catch basins/grates in line with catchbasin2 that were not tested. 2681_OD7 is the rockwall NE of Johnson's carport. The input is from the buried pipe connecting to 2670_OD5 and the output goes to Beach_grate1 through a buried pipe under the Johnson driveway.
2685 Sanders	1	4in	4in			OD9	OD9 11ft	11,158	2685_grate1 is located on the roadway between the NE corner of 2685 and SE corner of 2690. OD9 (5in x 2in trough) collects roadway runoff and diverts to Puget Sound through buried pipes and catches.
2690 Gelinas	0					0		10,400	No known connections to storm system
Lot17 Doell	0					0		12,300	No known connections to storm system

Beach Lot	2 plus one catchbasin	One 12in pipe from 2680_grate2, 9in pipe from 2681_OD7 (rock wall), and road flow from 2680_OD8	Three 6in outputs	8in	8in	OD7, OD8, OD10 (See 2680_OD8 and 2681_OD7 for more information)	OD10 30 ft	~16,035	Beach_grate1 is located at NE corner of the beach lot by the roadway and inputs come from 2680_OD8 and 2681_OD7. Grate1 output flows through three 6in pipes to OD10 (open drain between south Sander's lot and the north beach lot properties). Grate2 is located by the picnic area and outputs to the beach. <b>Catchbasin1</b> is located on south side of the wooden walkway and near 2681_grate2 - <b>under a tree statue</b> . It has 8in input and 8in output but the source and destination of the water is not yet known. Beach_cleanout is located midway in the beach lot to the north of the 2681_grate2. The input and output to the clean out is not yet understood. Beach_OD10 takes its input from Beach_grate1 and delivers to buried pipe that directs the water to the Puget Sound. See Johnson OD7 for a description.
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**Key definitions**

grate - generally permeable covering on top of catch basins or troughs.

catch basin - cement tank that is 3-4ft deep and normally has 1 or more input and 1 or more output openings. May be buried - such as 2620\_catch basin 2 and 3.

buried catch basin - concrete water catch basin with non-permeable cover but unknown exact location details and dimensions.

buried pipes - there are a number of pipes that are buried. These are considered to be the same size as the source that is feeding them.

trough - concrete rectangle shape with shallow channel depth and long length.

cleanout - plastic pipe with screw top that allows removal of clogging material from general pipeline.

OD - open drains - either open half pipes in parallel with road or open multiple shallow troughs across the road