



*City of
Wenatchee*

DEPARTMENT OF PUBLIC WORKS

Public Services Center

1350 McKittrick Street, Suite A
P.O. Box 519
Wenatchee, WA 98807-0519

(509) 888-3200
Fax (509) 888-3201

January 22, 2018

Coleman Miller

Washington State Department of Ecology Permit Data Systems Manager

Central Regional Office

1250 West Alder Street

Union Gap, WA 98903-0009

RE: Sanitary Sewer Overflow in the North Olds Station Area of Wenatchee WA (ERTS #678622)

Dear Mr. Miller

On Friday January 19th 2018 at 12:55pm I was telephoned by Dale Pipkin of the Chelan County PUD notifying me that a sewer manhole was overflowing and discharging raw untreated wastewater onto the ground and possibly into the Wenatchee River. I drove to the Olds station Lift Station and turned off the wastewater pumps so we could immediately stop and then investigate the cause of the overflow. All of the wastewater north of the Wenatchee River/Highway 285 bridge flows to the City of Wenatchee owned and operated Olds Station Lift Station and from that point it is pumped over the Wenatchee River Bridge conveyed by a 12" force main.

The Olds Station force main at the bridge crossing was originally designed and built with a return flow line for occasions when the 12" force main could not handle the full volume of wastewater coming from the Olds Station Lift Station. This return line is controlled by a 12" gate valve that has never been utilized since its original construction in the early 1980's. Our investigation found that the 12" return line valve was slightly cracked opened. It is suspected that this was due to tampering or miscellaneous mischief by the homeless community in the area that resides under the north end of the bridge. We closed the 12" return line gate valve 1 ½ turns using a specialized keyed valve actuator. We also installed an inflatable plug in the return line as an additional protection against either valve tampering or valve failure for possible future incidents.

I estimate that 5000 gallons of sewage overflowed onto the ground possibly reaching the Wenatchee river. The manhole structure where the overflow occurred is approximately 75' to 100' from the north bank of the Wenatchee River. At no time did I see sewage overflowing the manhole structure so my estimate is based off of the amount of soil erosion next to the manhole structure. The manhole where

Apple Capital of the World



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the overflow occurred is in a highly visible area just east of the Highway 285 bridge crossing so I suspect that this overflow started occurring in the early morning hours of Friday January 19th 2018. The area where the overflow occurred has been coned off to prevent any public access even though this area is on private property and has a very limited public access. The City of Wenatchee will be investigating doing some type of soil remediation to prevent any possible future soil erosion.

On Friday January 19th 2018 at 3:00pm the Washington State Department of Ecology, Department of Health (Drinking Water Program) and the Chelan & Douglas County Health district was notified by telephone of the sanitary sewer overflow as required by Section S3(E)(2e) of the City of Wenatchee's NPDES permit number WA-002394-9.

Please see the attached map for the location of the sanitary sewer overflow. I have also included a sanitary sewer map and photos of the affected area.

If you have any comments or questions about the sanitary sewer overflow please call me any time at (509) 881-5506 or email me at areichert@wenatcheewa.gov

Sincerely,

Adam Reichert

City of Wenatchee WWTP Supervisor

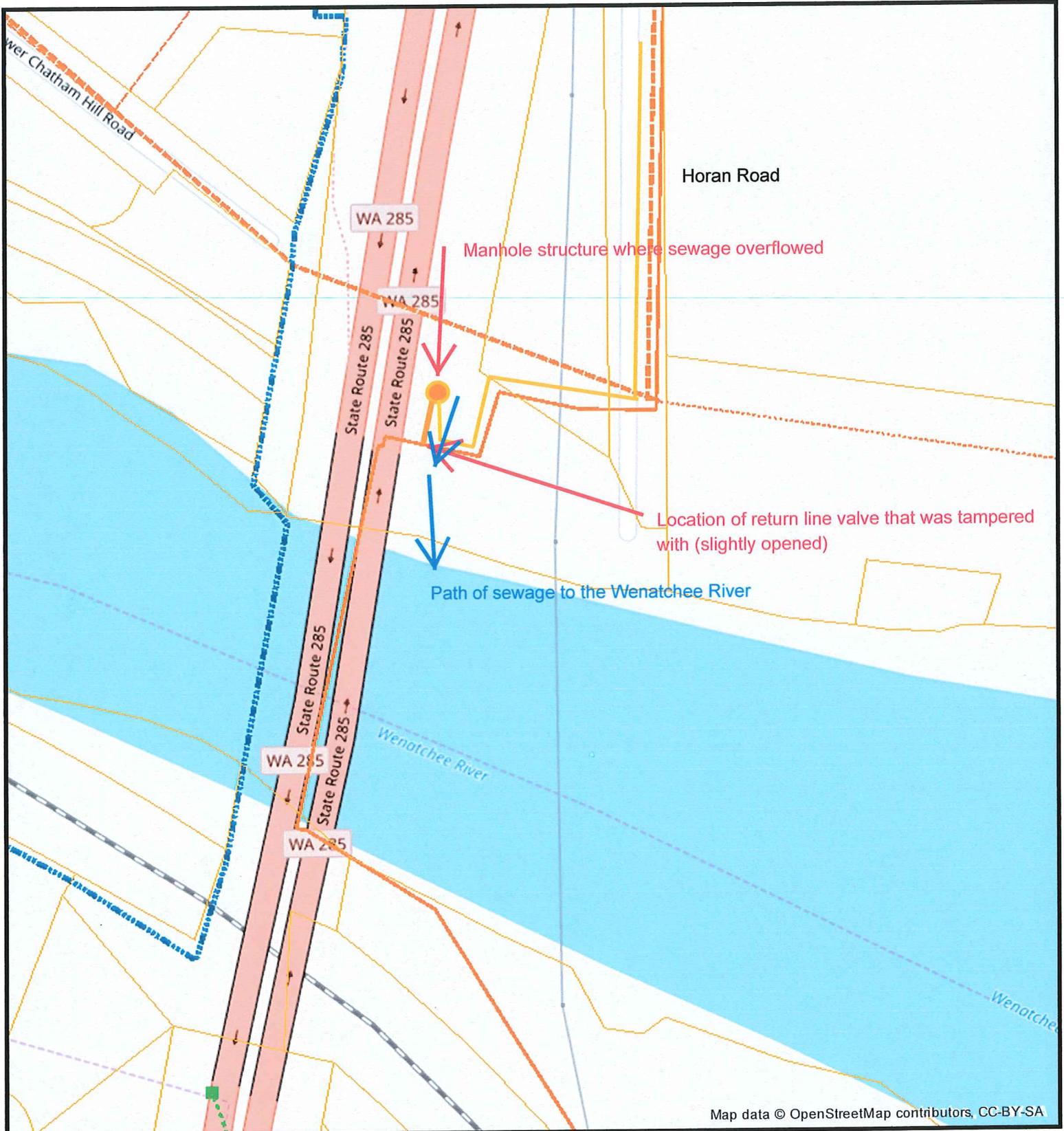
Enclosures: City of Wenatchee GIS location map

Sanitary Sewer Card S200

Photo #1 Olds Station Force Main

Photo #2 Olds Station Force Main

City of Wenatchee



1 inch = 188 feet

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Chalam Hill & Horan Rd.

1"=60'

S2000
SEW



Highway 285

Red arrow showing valve that was opened

Valves normal position is always closed

Chalam Hill

See Card
S2001

Approx 75' from Manhole to River

**River bank
(Very steep)**

**Blue arrow shows path of
Sewage discharge to the
River**

Wenatchee River

Horan Rd.

Paved Roadway (Typical)

4" VALVE & 6" TO 4" REDUCER
(CUSTOMER CONNECTION)

DI PIPE

DI PIPE

EMERGENCY DRAIN MANHOLE

DISCHARGE MANHOLE

BEGIN WELDED STEEL PIPE

BRIDGE CROSSING
12" FIBERGLASS PIPE
(W/INSULATION AND
HEAT TRACER FOR
FREEZE PROTECTION)

12" GV

12" GV

MANHOLE

EMERGENCY DR MANHOLE

Paved Roadway (Typical)

Paved Roadway (Typical)

DI PIPE

**Sanitary Sewer Overflow January 19th
2018 ERTS# 678622 Wenatchee, WA
Highway 285 Wenatchee River Bridge
crossing, Old Station area of Wenatchee
Wa**

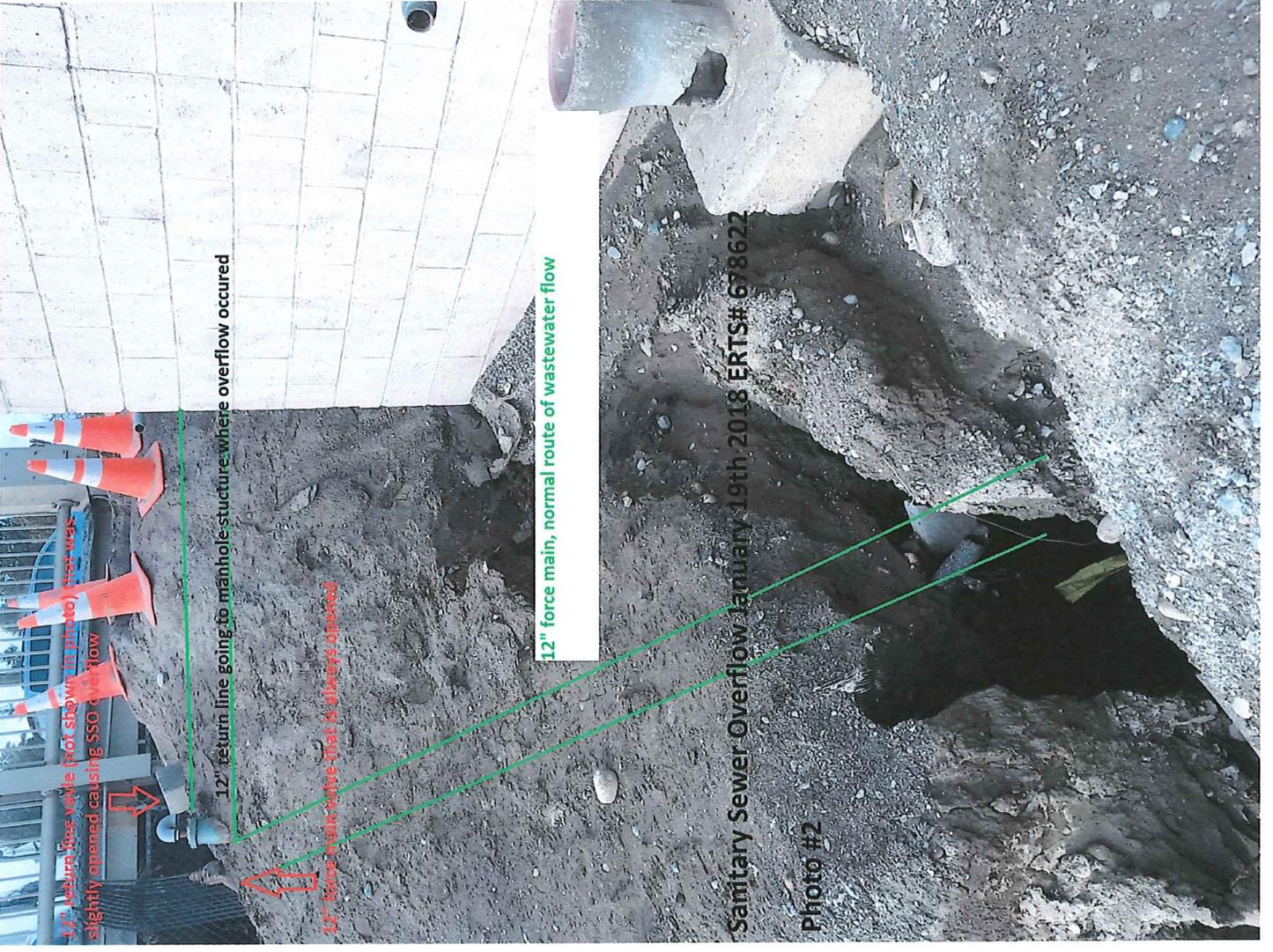
Photo #1



An estimated 5000 gallons of raw sewage discharged out the top of the manhole structure through a manhole lid that is not shown in the photo

12' Return line going to manhole overflow structure

12' gate valve just upstream and not shown in photo



12" return line going to manhole structure where overflow occurred

12" force main, normal route of wastewater flow

12" return valve (not shown in photo) that was slightly opened causing SSO and flow

24" force main valve that is always opened

Sanitary Sewer Overflow January 19th 2018 ERTS# 678622

Photo #2