

# CITY OF MOLALLA

## SMOKE TESTING REPORT

OCTOBER 2017

**DRAFT**



**The Dyer Partnership  
Engineers & Planners, Inc.**

**Project No. 100.26**

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City of Molalla  
Clackamas County, Oregon

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SECTION 1:  
**INTRODUCTION**

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# SECTION 1: INTRODUCTION

## 1.1 General

Infiltration and inflow (I/I) is a problem affecting many Oregon communities. Infiltration and inflow, which is defined as groundwater and rainwater that enters a sanitary sewer collection system, creates many wastewater-related problems. Rain-induced sewer flows can hydraulically overload a wastewater treatment plant or pump station, increase the cost of operations, potentially cause a discharge of inadequately treated effluent, and lead to regulatory compliance issues. Infiltration and inflow can also cause flows to exceed the capacity of the pipes, thereby compromising the collection system.

## 1.2 Background and Need

The City of Molalla ('City') experiences higher sanitary sewer flows in "wet" weather months. Excessive infiltration and inflow overload the wastewater treatment facility, and contributes to violations at the wastewater treatment plant.

Smoke testing was performed to identify potential deficiencies allowing I/I into the collection system. Some of the sources of I/I that smoke testing identifies includes catch basins and roof drains tied to the sewer system, leaks in main and lateral sewer lines, leaky cleanouts, and deteriorated manholes. Correction of these I/I sources is an economical way to reduce extraneous flows within the collection system, reduce the operation and maintenance costs associated with treatment, and facilitate compliance at the wastewater treatment facility. Smoke testing the City's wastewater collection system is also a requirement of the Department of Environmental Quality.

## 1.3 Scope of Study

The scope of this study includes the following two main tasks: smoke testing and summary report.

**Smoke Testing** of the study area was completed to assist in identifying inflow sources. Detailed, individual reports were developed to document each "smoke sign". Each report includes a photograph of the observed smoke, a hand-drawn map of the location of the smoke, a written description of the source of the smoke, and other pertinent information. The ultimate and intended purpose of the smoke report is to assist the City in focusing on problem areas. Individual reports are attached in Appendix A.

**Summary and Recommendations** were developed that identify the areas of that portion of the City's sewer collection system which need further investigation. The City should determine whether the individual defects are their responsibility or the responsibility of individual property owners, and create a plan to repair or rehabilitate each problem.

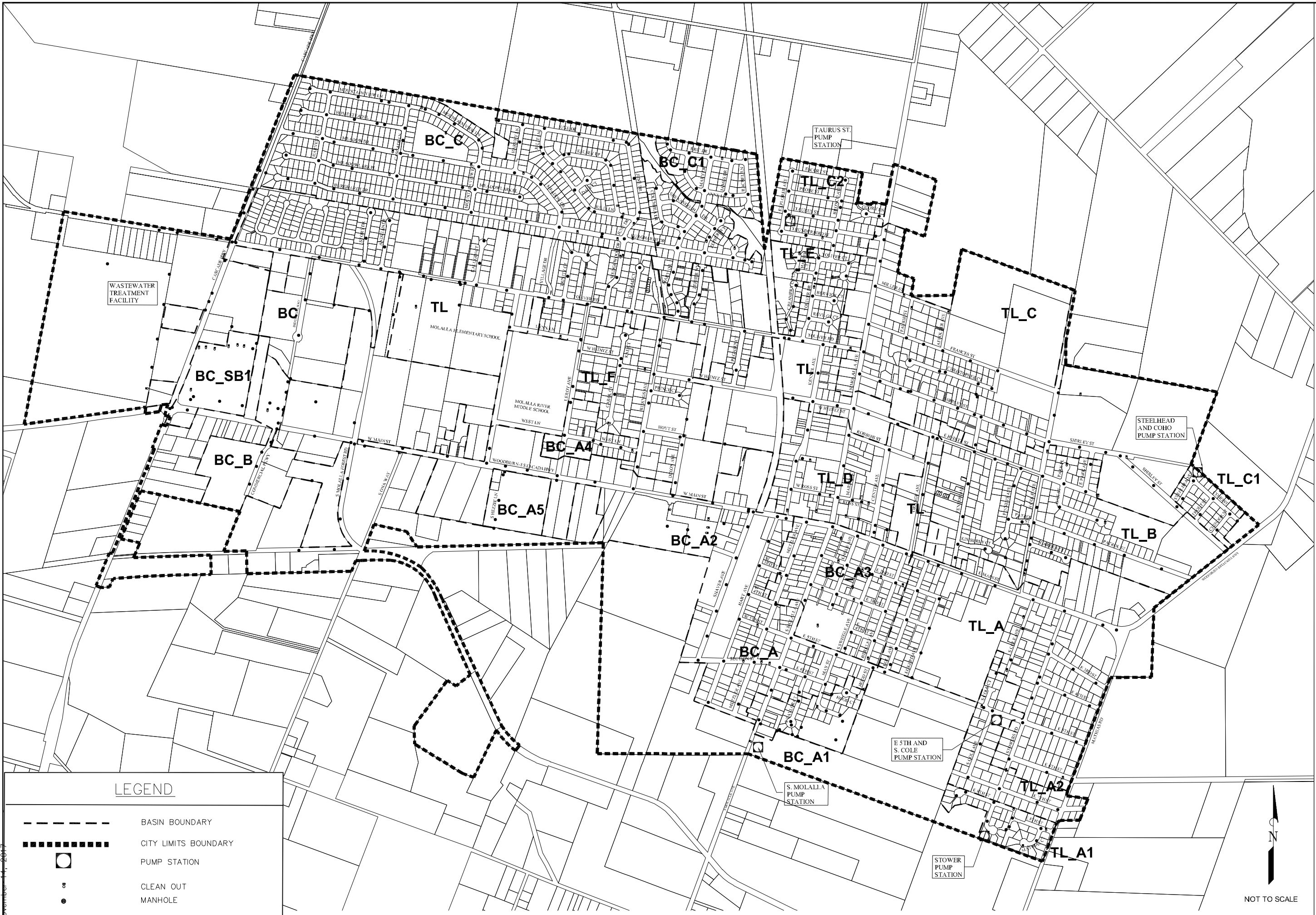
## 1.4 Study Area

The City's collection system is divided into two major basins; Toliver and Bear Creek. The Toliver Basin (TL) is located along Toliver Road, beginning from the WWTP, and includes the main trunk interceptor. The Bear Creek Basin (BC) originates at the WWTP, and follows Bear Creek until it intersects with Woodburn-Estacada Highway. The study area associated with the smoke testing includes all basins and sub-basins, as set forth in Table 1.4.1. Figure 1.4.1 illustrates the limits of the study area associated with the smoke testing.

TABLE 1.4.1  
BASINS AND SUB BASINS SMOKE TESTED  
CITY OF MOLALLA

Basin ID	
<u>Toliver Basin</u>	<u>Bear Creek Basin</u>
TL	BC
<i>TL_Sub basins</i>	BC_A
TL_A	<i>BC_A1</i>
<i>TL_A1</i>	<i>BC_A2</i>
<i>TL_A2</i>	<i>BC_A3</i>
TL_B	<i>BC_A4</i>
TL_C	<i>BC_A5</i>
<i>TL_C1</i>	BC_B
<i>TL_C2</i>	BC_C
TL_D	<i>BC_C1</i>
TL_E	
TL_F	

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**CITY OF MOLALLA  
CLACKAMAS COUNTY, OREGON  
SEWER BASIN MAP**

FIGURE NO.  
**1.4.1**

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NOT TO SCALE

SECTION 2:  
**FIELD RESULTS**

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## SECTION 2: FIELD RESULTS

### 2.1 Smoke Testing

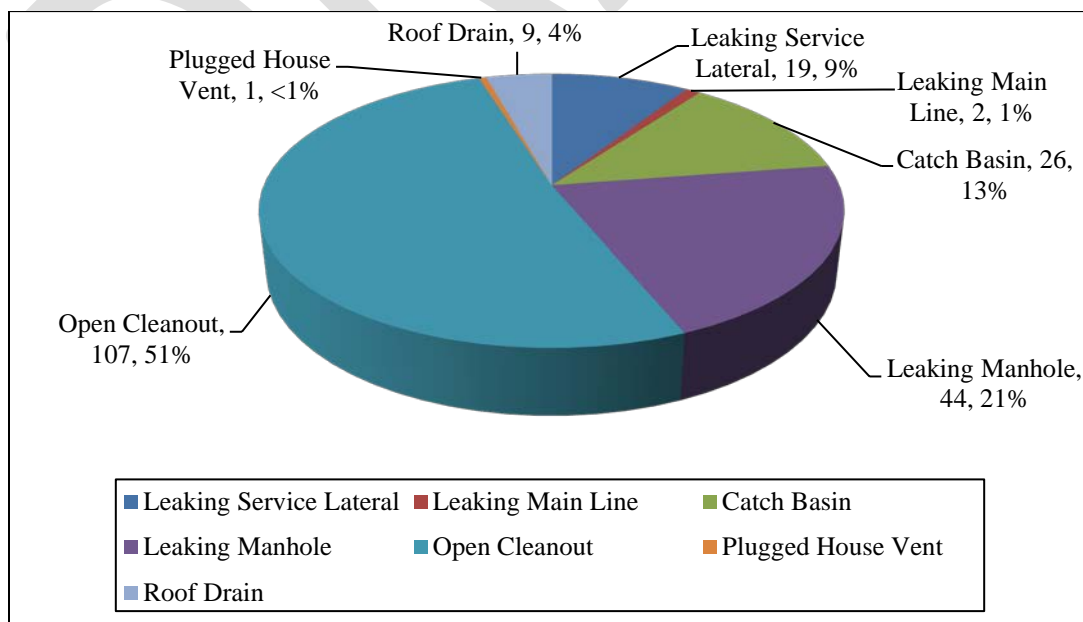
Smoke testing was conducted from October 16 through October 18, 2017. The smoke testing was successful in identifying several possible sites of infiltration and inflow. Several catch basins are connected to the sewer system, which could introduce high flows into the collection system during wet weather conditions.

Table 2.1.1 lists the type and number of deficiencies that were indicated by the presence of smoke. Figure 2.1.1 illustrates the number and percentage of type of deficiency. Figures 2.1.2 and 2.1.3, located at the end of this section, are maps of the City's collection system, which show the sewer lines that were tested, the location of each deficiency discovered, and which manholes were smoked. Table 2.1.2 provides a reference to each of these individual deficiency reports according to the type of deficiency. A table of the smoke testing report number and its associated deficiency is included in Appendix A.

**TABLE 2.1.1  
NUMBER AND TYPE OF DEFICIENCIES**

Type of Deficiency	Deficiency Code	Number of Issues
Leaking Service Lateral	LSL	19
Leaking Main Line	LML	2
Catch Basin	CB	26
Leaking Manhole	LMH	44
Open Cleanout	OCO	107
Plugged House Vent	PHV	1
Roof Drain	RD	9
<b>TOTAL DEFICIENCIES</b>		<b>208</b>

**FIGURE 2.1.1  
SMOKE TESTING RESULTS SUMMARY  
NUMBER OF VIOLATIONS BY TYPE**



**TABLE 2.1.2  
REPORT NUMBERS ACCORDING TO DEFICIENCY TYPE<sup>1</sup>**

Deficiency Type	Deficiency Code	Smoke Test Report Number			
Plugged House Vent	PHV	3-20			
Catch Basin	CB	1-14	1-33	2-1	2-17
		2-19	2-31	2-42	2-45
		2-57	2-59	2-61	3-16
		4-17	4-33	4-35	
Leaking Main Line	LML	1-25	2-47		
Roof Drain	RD	1-23	1-40	1-55	2-18
		2-36	3-40	4-12	4-22
		4-29			
Leaking Manhole	LMH	1-1	1-2	1-4	1-5
		1-16	1-19	1-20	1-21
		1-22	1-26	1-29	1-30
		1-39	2-3	2-6	2-14
		2-16	2-21	2-24	2-29
		2-34	2-35	3-1	3-2
		3-3	3-8	3-15	3-18
		3-23	3-26	3-32	3-34
		3-35	4-1	4-2	4-3
		4-4	4-5	4-9	4-13
		4-18	4-19	4-23	4-24
Leaking Service Lateral	LSL	1-11	1-28	1-32	1-38
		1-42	1-48	1-50	1-52
		2-2	2-13	2-15	2-39
		3-7	3-39	3-42	4-14
Open Clean Out	OCO	4-26	4-31	4-34	
		1-3	1-6	1-7	1-8
		1-9	1-10	1-12	1-13
		1-15	1-17	1-24	1-27
		1-31	1-32	1-34	1-35
		1-36	1-37	1-38	1-41
		1-43	1-44	1-45	1-46
		1-47	1-49	1-50	1-51
		1-53	1-54	2-4	2-5
		2-7	2-8	2-9	2-10
		2-11	2-12	2-20	2-22
		2-23	2-25	2-26	2-27
		2-28	2-30	2-32	2-33
		2-37	2-38	2-40	2-41
		2-43	2-44	2-46	2-48
2-49	2-50	2-51	2-52		
2-53	2-54	2-55	2-56		
2-58	2-60	2-62	2-63		



**TABLE 2.1.2 (CONTINUED)  
REPORT NUMBERS ACCORDING TO DEFICIENCY TYPE<sup>1</sup>**

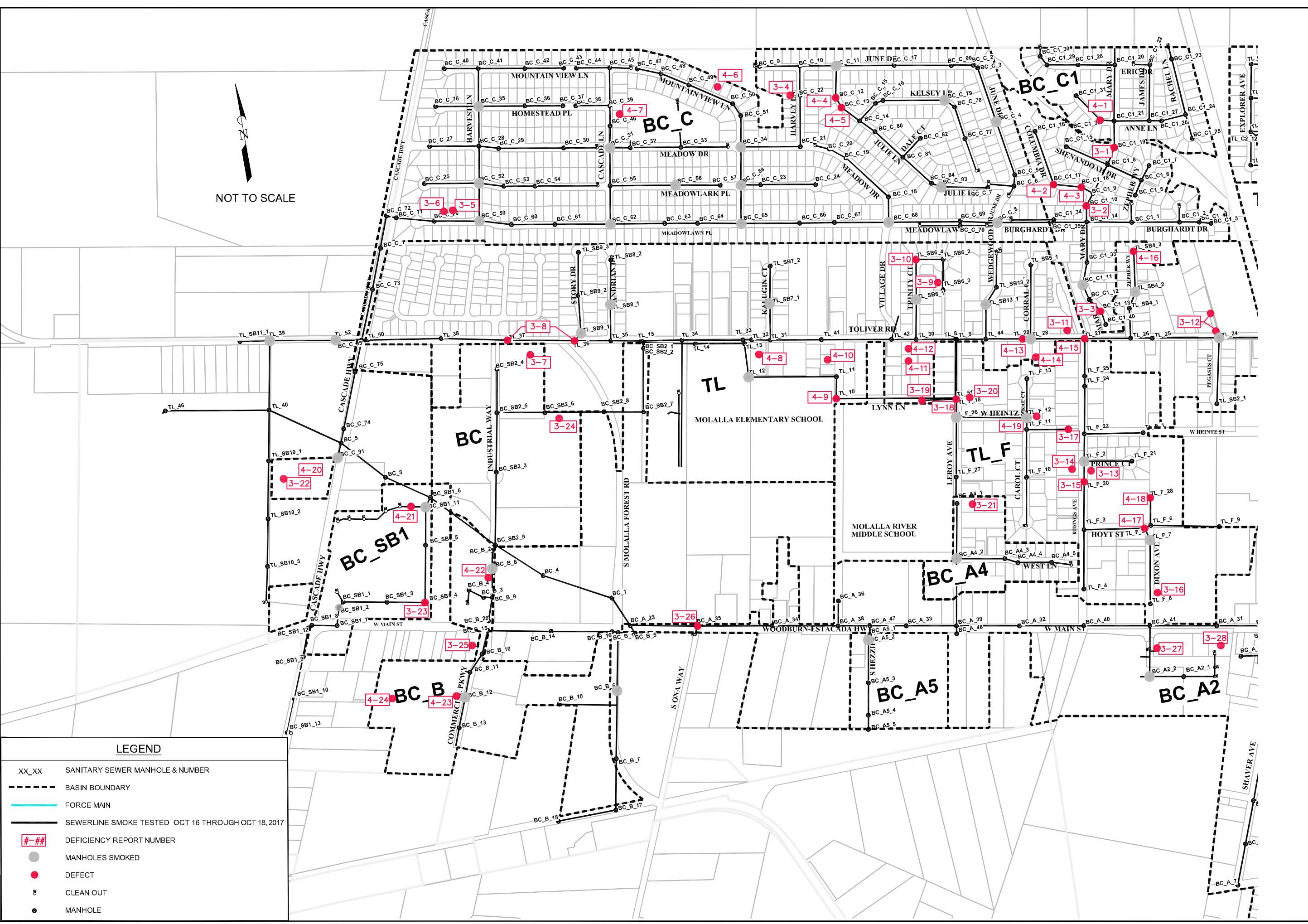
Deficiency Type	Deficiency Code	Smoke Test Report Number			
Open Clean Out	OCO	3-4	3-5	3-6	3-9
		3-10	3-11	3-12	3-13
		3-14	3-17	3-19	3-20
		3-21	3-22	3-24	3-25
		3-27	3-29	3-30	3-31
		3-33	3-36	3-37	3-38
		3-41	4-6	4-7	4-8
		4-10	4-11	4-15	4-16
		4-21	4-25	4-27	4-28
		4-30	4-32	4-36	

1. Some smoke reports included multiple deficiencies.

Other deficiencies, outside of the above categories, are summarized below:

- 1-18. Smoke was exiting from a communication box located in front of telephone pedestal #127.
- 3-28. Smoke was exiting from a vault in the parking lot west of car wash.
- 4-20. Floor drains at Les Schwab Tire Center were connected to the gravity sewer.

NOT TO SCALE



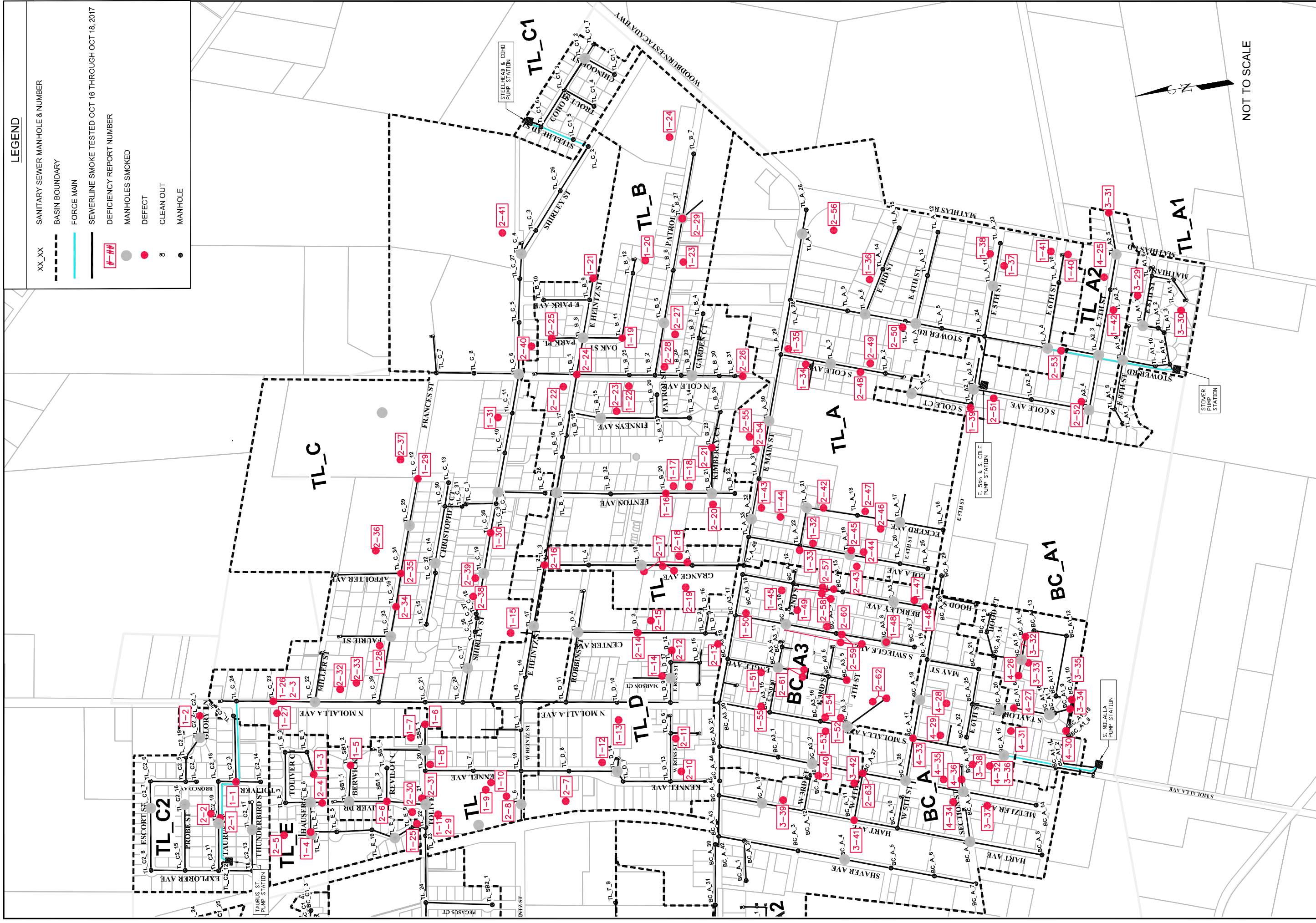
**LEGEND**

- XX\_XX SANITARY SEWER MANHOLE & NUMBER
- BASIN BOUNDARY
- FORCE MAIN
- SEWERLINE SMOKE TESTED OCT 16 THROUGH OCT 18, 2017
- #-## DEFICIENCY REPORT NUMBER
- MANHOLES SMOKED
- DEFECT
- CLEAN OUT
- MANHOLE

**CITY OF MOLALLA  
CLACKAMAS COUNTY, OREGON  
SMOKE TESTING MAP**

FIGURE NO.  
**2.1.2**

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SECTION 3:  
**POTENTIAL DEFICIENCIES**

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## SECTION 3: POTENTIAL DEFICIENCIES

### **3.1 Major Line Failures**

Failed lines can be described as having any of the following problems, many of which may be identified during television inspection.

- Blockages, collapses, or corroded pipes.
- Material degradation due to hydrogen sulfide gas.
- Joint gaskets exposed or missing.
- Large or multiple areas with earth exposure.
- Cross connections to storm drain infrastructure.
- Major joint or crack infiltration.
- Excessive settlement or sags such that the crown of the pipe deflects below the invert of upper and lower pipeline sections (submerged flow conditions).

### **3.2 Spot Failures**

Spot failures can typically be characterized as a localized break, crack, or failure in a pipe section. The failures can come in the form of circumferential cracks, holes in the pipe walls, areas of minor root intrusion, chipped and broken pipe joints, and displaced or gapped joints. Many of these types of failures can be identified during television inspection of the main lines.

### **3.3 Leaky Service Laterals**

As is the case with aging collection systems, many service laterals within the collection system contribute to the I/I problem. More often, utilities and regulatory agencies recognize the need to combat I/I in a holistic approach that addresses both public collection system components and private sources. The privately owned portions of the sewer system have the potential to contribute significantly to I/I flows. In some cities, it is estimated that as much as 60% of the I/I flows originate from service laterals (US Environmental Protection Agency, 1996). According to a 2015 Water Environment Federation (WEF) I/I survey, 31% of the respondents noted private I/I sources contributing 50 to 75% of the I/I, and 36% of the respondents contributing 20 to 50%. As a relatively local example, the City of McMinnville, Oregon estimates that approximately 60% of the City's I/I originates from their private sewer laterals.

Many communities throughout Oregon have recognized the need to address private sewer lateral I/I. The cities of Lebanon, McMinnville, Albany, and Mt. Angel, many of which were faced with similar sewer and WWTP capacity issues, all developed programs geared towards identifying and repairing defective private sewer laterals.

If the time of television inspection is correctly chosen, leaking laterals can clearly be identified. In order for this to occur, the collection system must not be surcharged, but high groundwater levels must be present. For Molalla, 9% of deficiencies were leaking service laterals.



Service laterals with leakage can, and should be, replaced from the connection to the main line, to the edge of the right-of-way during pipe reconstruction and rehabilitation. The City should work with private property owners to provide technical and other assistance to repair or replace private laterals. In many cases, the lateral connection can be deteriorating or failed. Improperly installed lateral connections include protruding lateral taps that extend far into the pipe cross section. In many cases, the protruding tap acts like a dam, trapping solids behind it. The protruding taps also make it troublesome or impossible to get an inspection camera or cleaning head through a sewer line.

Associated with service laterals are cleanouts that may be installed between the dwelling or structure and the main sewer line. Cleanouts can act as area drains if the caps are not properly installed. For Molalla, 51% of deficiencies noted were due to open cleanouts.

### **3.4 Leaky Manholes**

Although not a part of this task, all manholes should be inspected to determine if leaks are present in incoming pipes, manhole bases, or other locations. Significant leaks can occur at pipe entrances if not properly grouted. As with service laterals, whenever a major improvement is proposed for a sewer line, the manholes on either side should be replaced or rehabilitated as necessary. In some cases, it is possible to effectively repair manholes using grouting or lining techniques. Leaky manholes can be rehabilitated for a fraction of the cost of a new manhole. In Molalla, forty-four manholes were found to be leaking.

### **3.5 Storm and Roof Drain Connections**

As with any gravity sewer system, potential exists for interconnection of catch basins, ditching and storm drain piping with the sewer system. These storm drain connections can cause significant flows into the sewer system and can easily exceed capacities of the gravity sewer system. Depending on location and topography, the removal of the storm drain connection may entail placement of new storm drain lines to maintain drainages. Twenty-six catch basins and nine roof drains did show some type of interconnection with the gravity sewer system in the study area.

### **3.6 Deficient House Plumbing**

Smoke from rooftop vents is normal and allows harmful sewer gasses to release outside rather than within structures. Occasionally a vent will be plugged or blocked allowing sewer gasses to escape within a structure. Smoke should not enter structures unless:

- Vents connected to the building's sewer pipe are inadequate, defective, or improperly installed.
- Traps under sinks, tubs, basins, showers, and other drains are dry, defective, improperly installed, or missing.
- Pipes, connections, and seals of the wastewater drain system in and under building are damaged, defective, or are improperly installed.

The most common defects allowing smoke into buildings are dry traps for wash basins, showers, or tubs that are used infrequently. Smoke was discovered inside some structures, and one structure was noted as having a plugged house vent where smoke did not exit the rooftop vent.

SECTION 4:  
**ALTERNATIVES**

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## SECTION 4: ALTERNATIVES

### 4.1 General

Until recently, infiltration in sewer collection systems was either ignored or the piping systems were completely replaced in order to correct infiltration problems. Today, new “trenchless technologies” allow collection systems to be rehabilitated without excavating to replace the old pipe. Expenses associated with new asphalt, sidewalks, landscaping, and other costs resulting from trenching can be almost completely avoided. If applicable, trenchless technology can almost always reduce project costs when rehabilitating sewer collection systems. A summary of different repair and rehabilitation techniques is provided below.

### 4.2 Collection System Repair and Rehabilitation Methods

Repair and rehabilitation methods to correct pipe deficiencies and minimize I/I intrusion are discussed below.

#### **Complete Pipe Replacement**

Pipeline replacement by conventional excavation and backfill is normally required when the existing pipeline is deteriorated so badly that other methods of rehabilitation are not feasible. However, complete replacement provides the opportunity to correct any misalignments or low areas, increase the hydraulic capacity of the line, repair service connections, or eliminate storm water entry points such as catch basins. Replacing pipelines can also remove any “incidental” I/I (i.e. minor leaks that would not individually be cost-effective to remove). A rehabilitation alternative that is similar to complete pipe replacement is point repairs, which involve excavation, pipe replacement, backfill and resurfacing for selected sections only.

The obvious advantage of pipe replacement is that the service life gained with modern materials and methods is generally considered to be more than 50 years. The cost of pipe replacement is generally high, and the associated inconveniences and restoration required are expensive.

Another advantage associated with complete pipe replacement is the fact that the I/I along a replaced pipe segment should be significantly reduced; however, it is important to note that a large percentage of I/I will continue to originate from service laterals or other aboveground sources. It is therefore recommended that wherever feasible, complete service replacement to the property line be included in a replacement project.

There are a number of techniques for installing new sewer pipe, including the traditional open cut construction, and trenchless techniques (e.g. horizontal directional drilling (HDD)) and pipe bursting). Some of the key criteria for selecting a method for new pipe installation are given in Table 4.2.1.

**TABLE 4.2.1  
KEY CRITERIA FOR NEW PIPE INSTALLATION**

<b>Criteria</b>	<b>Potential Factors</b>
Surface Conditions	Type (paved/unpaved), traffic use, land use (urban/rural), type (forest, water, etc.).
Cost	Pipe installation, surface restoration, subsurface difficulties
Environmental Considerations	Wetlands, critical habitat, migratory route
Subsurface Conditions	Installation depth, groundwater level, soil type, existing utilities
Hydraulics	Gravity vs. pressure flow, needed flow capacity, existing grades

Typically, the decision process will involve weighing the advantages of avoiding surface disruption against the costs. Surface conditions, depth of installation, subsurface conditions and environmental considerations also will affect the cost analysis. The evaluation and weighing criteria for choosing a particular construction technique will depend on specific site conditions. Brief descriptions of open cut, pipe bursting and HDD construction techniques are given below.

### **Open Trench Construction**

Open trench construction consists of excavating an open trench in the ground for pipe installation. Typically, the width of the trench is at least 12 inches greater than the pipe diameter. While the trench depth will depend upon the specific application (e.g. force main versus gravity sewer), the cover depth over the pipe is generally at least three feet.

Open trench construction is traditionally used in most new sewer pipe installations because of cost considerations and availability of local contractors and crews to perform the work. The disadvantages of open trench construction include trench shoring requirements for trenches over five feet in depth or where soils are unstable, dewatering of the trench when high groundwater is present, and increased cost and complexity with deep excavations.

### **Horizontal Directional Drilling (HDD)**

In horizontal directional drilling methods, a pilot bore is first made using a controllable drilling head. Once a hole is drilled from the entry point to the terminus, a new pipe is “towed” back through the bore hole behind the drill head on the return trip from the terminus to the entry point. While drift control within a few inches is available using electromagnetic tracking systems, this method cannot be used for minimum grade gravity sewer lines. Most projects utilize high-density polyethylene (HDPE) or fusible PVC for new line installations. The advantages of this construction technique include minimal impact to the surface conditions and ability to install pipe under adverse subsurface conditions (e.g. high groundwater). The disadvantages of horizontal directional drilling include cost (typically from 3 to 5 times greater than open trench construction), inability to construct minimum grade sewers, and difficulty in dealing with subsurface conditions containing boulders and cobbles. Environmental issues might potentially exist as well in that pressurized drilling fluids can fracture the soil surrounding the bore and migrate to the surface at undesirable locations.

### **Pipe Bursting**

Pipe bursting is a trenchless replacement method that is used in certain circumstances to replace failed pipe or when upsizing of a pipe section is required. Pipe bursting consists of a hydraulically activated cutting head that is pushed or pulled through the inside of the old pipe to be replaced, breaking it up, and forcing the broken fragments into the surrounding ground. The cutting head tows a new pipeline behind it that is simultaneously installed in place as the head bursts the old line. The cutting head has a slightly larger outside diameter than the new pipe and is bigger than the inside diameter of the old pipe. Depending upon the size of the cutting head, new pipes of the same size or up to almost twice the original size can be installed. For example, an existing 8-inch diameter concrete sewer pipe can be replaced with a 15-inch diameter HDPE pipe utilizing pipe bursting technology.

The advantage of pipe bursting is the minimization of trenching and surface restoration. Pipe bursting, however, is generally not used if congestion underground is a question or if the existing pipeline is not of a brittle nature (e.g. clay, concrete, asbestos-cement pipe). In addition, this technique has major noise and vibration problems and is somewhat uneconomical if a number of laterals must be reconnected. Pipe bursting of AC pipe is also a concern as this process converts “non-friable” asbestos material in an intact AC sewer main to a friable one. While pipe bursting is performed underground with limited construction exposure, the shattered pipe material may be exposed during the installation of new sewer laterals or connections.

## Summary

Among the complete pipe replacement techniques listed above, open trench construction is considered the preferred method for the replacement of existing sewer pipes. This construction technique is the most common means of constructing new sewers and is familiar to local contractors. Horizontal directional drilling and pipe bursting may be warranted and would be considered if pipe replacement was needed in an area with a deep sewer line and/or in areas where surface disturbance should be minimized.

## Trenchless Pipe Rehabilitation Methods

### Cured in Place Pipe

Cured in place pipe (CIPP) is best described as “manufacturing a new pipe within an existing pipe”. A CIPP installation uses a plastic-lined felt bag that has been impregnated with resins. The impregnated bag is inverted (turned inside out) allowing the plastic exterior to be turned inward. Two methods are commonly used to cure the liner. The inner space is either filled with pressurized water or with air as the inverted bag is oriented into the existing pipe. The pressurized water or air drives the bag’s inversion until the entire section of liner has been turned inside out and the end has been retrieved at the downstream manhole. The water or air pressure forces the resin material against the existing sewer pipe. Then heated water or steam is continuously pumped through the tube, causing the resins in the bag to cure and harden.

The use of CIPP lining is appropriate for pipelines requiring minor structural repair, sealing holes, leaky joints, leaky misalignments, and for correcting corrosion problems. Because this method of rehabilitation does not require excavations, it may be used under highways, railroads, and buildings. Service lateral connections are typically made with special cutters and sealers from inside the pipe. Laterals are sometimes physically reconnected in a manner similar to a spot repair. This is done with specific types of lateral saddles. If properly completed, the life of an inversion-lined pipe has been claimed by several lining manufacturers to be more than 50 years. Due to frictional factors of the lining, the hydraulic capacity of the pipe is increased.

### Chemical Grouting

Chemical grouting is commonly used to seal leaking joints in structurally sound pipe, laterals, and manholes experiencing infiltration. Typical applications consist of two separate chemicals that are pumped through separate hoses to the joint, crack or manhole being sealed. Once the two chemicals are mixed together they form a gel or foam that expands out through the defect and into the surrounding earth.

The equipment used for chemical grouting of pipelines includes a joint or lateral packer and television (TV) camera. The entire assembly is pulled inside the sewer pipe with cables and winches. Chemical feed lines are extended from the supply tanks to the packer unit. Chemical injection is performed internally, using robotic equipment without requiring man entry or excavations unless unique problems develop.

Since manholes are a major component of the collection system, it is often desirable to enhance the grout rehabilitation method by applying an interior coating. This coating increases the effectiveness of a grout repair by providing an interior seal that will last beyond the expected grout life. Successful manhole coatings include cementitious linings, polyethylene linings, epoxy coatings, and cured-in-place fiberglass lining systems.

Chemical grouting does not improve the structural strength of a pipeline; therefore this method of rehabilitation should not be used on pipes that are badly broken or deteriorated. If the groundwater table drops below the level of the pipe, the chemical grout may become dehydrated and its useful life will be shortened. Also, many chemical grouts do not have shear strength and will tear or fracture if a load is

applied to the surrounding earth. When used appropriately, rehabilitation by chemical grouting should serve a useful life of at least ten years.

### **Internal Spot Repairs**

There are a number of highly effective methods for performing internal spot repairs without requiring excavations. Two methods commonly utilized are Link-Pipe (stainless sleeve) and ambient cured soft liners. Each method has unique advantages.

Link-Pipe is a stainless steel grouting sleeve that is used to accomplish small spot repairs within a sewer line; these sleeves come in a variety of lengths—12, 18, 24 and 36 inches—and diameters ranging between 4 and 36 inches. Link-Pipe can be used to restore partially collapsed pipes, close holes created by material loss in pipe walls, and seal infiltrating cracked pipes and pipe joints. This method of rehabilitation requires no trenching and can be performed without bypassing water.

A Link-Pipe installation involves the placement of a grouting sleeve inside the damaged portion of a sewer line. This grouting sleeve is of stainless steel construction and is surrounded by a grout-absorbing gasket. The sleeve is moved into position on a wheeled flow-through plug; a video camera is used to monitor the positioning of the grout sleeve. Once in place, compressed air is used to inflate the plug, which in turn compresses the gasket against the walls of the sewer line. The repair is completed when the flow-through plug is fully inflated, the gasket has adhered to the wall, and the Link-Pipe's internal locks have engaged.

This method of rehabilitation creates a smooth stainless steel channel that supports damaged pipe and may actually improve the hydraulic properties of the existing line. Manufacturers of the stainless steel sleeve indicate a substantially long service life and guarantee 100 percent infiltration reduction. This guarantee, however, does not account for other sources or leaks associated with service laterals.

The second method of performing an internal spot repair commonly utilized is to install an ambient cure soft-liner. This type of liner is very similar to CIPP except that the liner does not require an inversion system and the resin does not require an external heat source to harden. Spot repair liners are especially applicable when a section of pipe requires a repair over a few feet in length. Another advantage of an ambient cure liner is that it can be used to repair laterals with or without having to excavate at the mainline connection.

### **Summary**

Among the trenchless pipe rehabilitation methods described above, cured in place pipe (CIPP) is considered the preferred method for the rehabilitation of existing sewer pipes that have various defects throughout the entire length of pipe. Chemical grouting and internal spot repairs may be warranted and would be considered if the defects were isolated to a particular area within a pipe segment. Trenchless pipe rehabilitation method construction techniques are specialized and require the use of special equipment.

SECTION 5:  
**SUMMARY**

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## SECTION 5: SUMMARY

### **5.1 Smoke Testing Summary**

The smoke testing identified a number of deficiencies that need to be addressed. The City of Molalla's collection system and wastewater treatment facility is hydraulically overloaded. Eliminating infiltration and inflow is necessary to release capacity, within the collection system and at the wastewater treatment facility, trapped by infiltration and inflow.

The City of Molalla should return to each site using the reports to determine what measures must be taken to repair or rehabilitate each problem that is allowing smoke to escape the collection system. Some of the repairs can be fairly easy to correct, such as leaky cleanouts, while others such as catch basins, may require more extensive efforts to reroute flows to nearby drainages. Some of the deficiencies may also require additional television inspection to see the extent of deterioration of sewer main lines, sewer laterals, and lateral connections.

In some cases, the problem is located within the public right-of-way and should be repaired or rehabilitated by the City. In other cases, the deficiency is located on private property and the private property owner should be required to address and repair the problem. It is recommended that letters be sent to all private property owners where deficiencies were noted. A sample letter is provided in Appendix B.

# **APPENDICES**

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**APPENDIX A: SMOKE TEST REPORTS**

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City of Molalla  
Smoke Testing Report Summary  
Project 100.26

Smoke Test Report Number	Deficiency Type
1-1	LMH
1-2	LMH
1-3	OCO
1-4	LMH
1-5	LMH
1-6	OCO
1-7	OCO
1-8	OCO
1-9	OCO
1-10	OCO
1-11	LSL
1-12	OCO
1-13	OCO
1-14	CB
1-15	OCO
1-16	LMH
1-17	OCO
1-18	Communication Box
1-19	LMH
1-20	LMH
1-21	LMH
1-22	LMH
1-23	RD
1-24	OCO
1-25	LML
1-26	LMH
1-27	OCO
1-28	LSL
1-29	LMH
1-30	LMH
1-31	OCO
1-32	OCO / LSL
1-33	CB
1-34	OCO
1-35	OCO
1-36	OCO
1-37	OCO
1-38	OCO / LSL
1-39	LMH
1-40	RD
1-41	OCO
1-42	LSL
1-43	OCO
1-44	OCO
1-45	OCO
1-46	OCO
1-47	OCO
1-48	LSL
1-49	OCO
1-50	OCO / LSL
1-51	OCO
1-52	LSL
1-53	OCO
1-54	OCO
1-55	RD

Smoke Test Report Number	Deficiency Type
2-1	CB
2-2	LSL
2-3	LMH
2-4	OCO
2-5	OCO
2-6	LMH
2-7	OCO
2-8	OCO
2-9	OCO
2-10	OCO
2-11	OCO
2-12	OCO
2-13	LSL
2-14	LMH
2-15	LSL
2-16	LMH
2-17	CB
2-18	RD
2-19	CB
2-20	OCO
2-21	LMH
2-22	OCO
2-23	OCO
2-24	LMH
2-25	OCO
2-26	OCO
2-27	OCO
2-28	OCO
2-29	LMH
2-30	OCO
2-31	CB
2-32	OCO
2-33	OCO
2-34	LMH
2-35	LMH
2-36	RD
2-37	OCO
2-38	OCO
2-39	LSL
2-40	OCO
2-41	OCO
2-42	CB
2-43	OCO
2-44	OCO
2-45	CB
2-46	OCO
2-47	LML
2-48	OCO
2-49	OCO
2-50	OCO
2-51	OCO
2-52	OCO
2-53	OCO
2-54	OCO
2-55	OCO
2-56	OCO
2-57	CB
2-58	OCO
2-59	CB
2-60	OCO
2-61	CB
2-62	OCO
2-63	OCO

Smoke Test Report Number	Deficiency Type
3-1	LMH
3-2	LMH
3-3	LMH
3-4	OCO
3-5	OCO
3-6	OCO
3-7	LSL
3-8	LMH
3-9	OCO
3-10	OCO
3-11	OCO
3-12	OCO
3-13	OCO
3-14	OCO
3-15	LMH
3-16	CB
3-17	OCO
3-18	LMH
3-19	OCO
3-20	OCO
3-21	OCO
3-22	OCO
3-23	LMH
3-24	OCO
3-25	OCO
3-26	LMH
3-27	OCO
3-28	Leaking Vault
3-29	OCO
3-30	OCO
3-31	OCO
3-32	LMH
3-33	OCO
3-34	LMH
3-35	LMH
3-36	OCO
3-37	OCO
3-38	OCO
3-39	LSL
3-40	RD
3-41	OCO
3-42	LSL

Smoke Test Report Number	Deficiency Type
4-1	LMH
4-2	LMH
4-3	LMH
4-4	LMH
4-5	LMH
4-6	OCO
4-7	OCO
4-8	OCO
4-9	LMH
4-10	OCO
4-11	OCO
4-12	RD
4-13	LMH
4-14	LSL
4-15	OCO
4-16	OCO
4-17	CB
4-18	LMH
4-19	LMH
4-20	Floor Drains
4-21	OCO
4-22	RD
4-23	LMH
4-24	LMH
4-25	OCO
4-26	LSL
4-27	OCO
4-28	OCO
4-29	RD
4-30	OCO
4-31	LSL
4-32	OCO
4-33	CB
4-34	LSL
4-35	CB
4-36	OCO

# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Project Name : <u>Molalla I/I Study</u>		Location / Address: <u>Intersection of Thunderbird St &amp; Bronco Ave.</u>	
Project No. <u>100.26</u>	Report No. <u>1-1</u>	TL_C2 <u>TL_C2</u>	MH TL_C2_3 <u>MH TL_C2_3</u>
Project No. <u>Chilton Peck</u>		Basin:	MH No. / Main: <u>10.16.17</u>
Tested By:		Date:	

TESTING CODE	PHOTOGRAPHS	
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<u>No.</u>	<u>Description</u>
	1	LMH

**Comments**

- Smoke coming from around the ring and the cracks in the road next to the manhole.
- 
- 
- 
- 

**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla I/I Study		Glory Lane	
Project Name :	100.26	Report No.	1-2
Project No.	Chilton Peck	Location / Address:	TL C2
Tested By:		Basin:	MH TL C2_1
		MH No. / Main:	10.16.17
		Date:	

TESTING CODE	PHOTOGRAPHS															
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table border="0" style="width: 100%;"> <tr> <th style="text-align: center;">No.</th> <th style="text-align: center;">Description</th> </tr> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">LMH</td> </tr> <tr><td style="text-align: center;"> </td><td> </td></tr> <tr><td style="text-align: center;"> </td><td> </td></tr> <tr><td style="text-align: center;"> </td><td> </td></tr> <tr><td style="text-align: center;"> </td><td> </td></tr> <tr><td style="text-align: center;"> </td><td> </td></tr> </table>	No.	Description	1	LMH											
No.	Description															
1	LMH															

**Comments**

- Smoke coming from around the ring and the cracks in the road next to the manhole.
- 
- 
- 
- 

**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Project Name : <u>Molalla I/I Study</u>		Location / Address: <u>Toliver Court</u>	
Project No. <u>100.26</u>	Report No. <u>1-3</u>	Basin: <u>TL E</u>	MH No. / Main: <u>C/O - TL E 1</u>
Tested By: <u>Chilton Peck</u>		Date: <u>10.16.17</u>	

TESTING CODE	PHOTOGRAPHS														
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center; border-bottom: 1px solid black;">No.</th> <th style="text-align: center; border-bottom: 1px solid black;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">OCO</td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	OCO										
No.	Description														
1	OCO														

**Comments**

- Located in concrete driveway for 120 Toliver Ct.
- Smoke coming from cleanout cap, Did not open to verify actual issue
- 
- 
- 

**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla I/I Study

Hauser Court

Project Name :

Location / Address:

100.26

1-4

TL E

TL E 7

Project No.

Report No.

Basin:

MH No. / Main:

Chilton Peck

10.16.17

Tested By:

Date:

TESTING CODE	PHOTOGRAPHS																					
<p>LSL = Leaking Service Lateral                      LML = Leaking Main Line                      CB = Catch Basin                      LMH = Leaking Manhole                      OCO = Open Cleanout                      PHV = Plugged House Vent                      RD = Roof Drain</p>	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%; text-align: center;"><u>No.</u></th> <th style="width: 10%; text-align: center;"><u>LMH</u></th> <th style="width: 80%; text-align: center;"><u>Description</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td></td> <td></td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	<u>No.</u>	<u>LMH</u>	<u>Description</u>	1																	
<u>No.</u>	<u>LMH</u>	<u>Description</u>																				
1																						

**Comments**

- Smoke coming from crack in road next to the manhole

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**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla I/I Study	Berwick Court	
Project Name : 100.26	Location / Address: TL	TL SB1 2
Project No. Chilton Peck	Report No. 1-5	Basin: MH No. / Main: 10.16.17
Tested By:		Date: 10.16.17

TESTING CODE	PHOTOGRAPHS																		
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%; text-align: center;">No.</th> <th style="width: 10%;"></th> <th style="width: 80%; text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">LMH</td> <td></td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	No.		Description	1	LMH													
No.		Description																	
1	LMH																		

**Comments**

- Smoke coming from around the rim of the manhole
- 
- 
- 
- 

**SKETCH**





# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla I/I Study		Toliver Rd.	
Project Name :	100.26	1-6	Location / Address:
Project No.	Chilton Peck	Report No.	TL
Tested By:		Basin:	C/O - TL_SB3_1
			MH No. / Main:
			10.16.17
			Date:

TESTING CODE	PHOTOGRAPHS	
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<u>No.</u>	<u>Description</u>
	1	OCO
	_____	_____
	_____	_____
	_____	_____
	_____	_____

**Comments**

- Smoke coming from around the rim of the cleanout
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla I/I Study	103 Toliver Rd.	
Project Name : 100.26	1-7	Location / Address: TL
Project No. Chilton Peck	Report No.	Basin: C/O - TL_SB3_1
Tested By:		MH No. / Main: 10.16.17
		Date:

TESTING CODE	PHOTOGRAPHS															
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table border="0" style="width: 100%;"> <tr> <th style="text-align: center; border-bottom: 1px solid black;">No.</th> <th style="text-align: center; border-bottom: 1px solid black;">Description</th> </tr> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">OCO</td> </tr> <tr><td style="border-top: 1px solid black;"> </td><td style="border-top: 1px solid black;"> </td></tr> <tr><td style="border-top: 1px solid black;"> </td><td style="border-top: 1px solid black;"> </td></tr> <tr><td style="border-top: 1px solid black;"> </td><td style="border-top: 1px solid black;"> </td></tr> <tr><td style="border-top: 1px solid black;"> </td><td style="border-top: 1px solid black;"> </td></tr> <tr><td style="border-top: 1px solid black;"> </td><td style="border-top: 1px solid black;"> </td></tr> </table>	No.	Description	1	OCO											
No.	Description															
1	OCO															

**Comments**

- Smoke coming from behind wooden fence, could not gain access to verify issue
- There was an exposed section of PVC pipe at the fence.
- 
- 
- 

**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla I/I Study

Intersection of Toliver Rd & Kennel Ave

Project Name :

Location / Address:

100.26

1-8

TL

TL 20 - TL SB3 1

Project No.

Report No.

Basin:

MH No. / Main:

Chilton Peck

10.16.17

Tested By:

Date:

TESTING CODE	PHOTOGRAPHS	
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<u>No.</u>	<u>Description</u>
	1	CB

**Comments**

- Smoke coming from catch basin.
- Looking east on Toliver Rd from Kennel Ave.
- 
- 
- 

**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

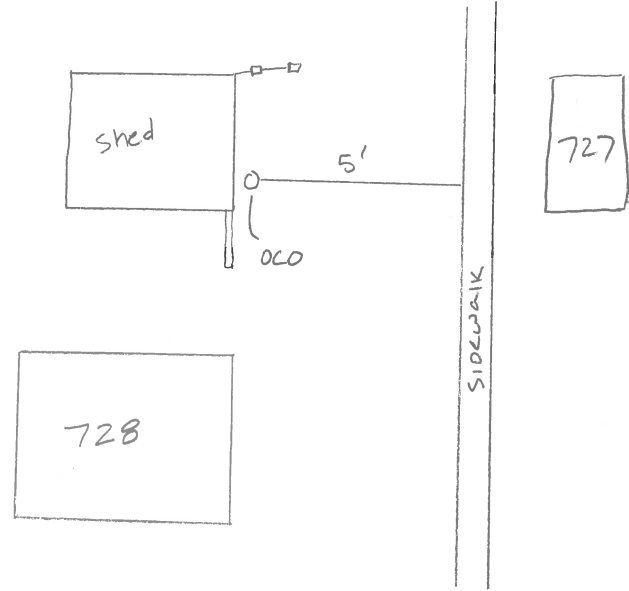
Molalla I/I Study		205 W. Heintz St Unit #728	
Project Name :	1-9	Location / Address:	TL 21 - TL 22
Project No.	Report No.	Basin:	MH No. / Main:
Chilton Peck			10.16.17
Tested By:			Date:

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;">No.</th> <th style="width: 85%; text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">OCO</td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	OCO								
No.	Description												
1	OCO												

**Comments**

- Located at Unit #728 of Twin Firs Mobile Home Park
- Smoke coming from open cleanout, located behind the shed
- 
- 
- 

**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla I/I Study		205 W. Heintz St Unit #723	
Project Name :		Location / Address:	
100.26	1-10	TL	TL_21 - TL_22
Project No.	Report No.	Basin:	MH No. / Main:
Chilton Peck			10.16.17
Tested By:			Date:

TESTING CODE	PHOTOGRAPHS														
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;">No.</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>OCO - overall</td> </tr> <tr> <td style="text-align: center;">2</td> <td>OCO - open c/o behind the shed</td> </tr> <tr> <td style="text-align: center;">3</td> <td>OCO - broken cap on c/o next to shed</td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	OCO - overall	2	OCO - open c/o behind the shed	3	OCO - broken cap on c/o next to shed						
No.	Description														
1	OCO - overall														
2	OCO - open c/o behind the shed														
3	OCO - broken cap on c/o next to shed														

**Comments**

- Located at Unit #723 of Twin Firs Mobile Home Park
- Smoke coming from open cleanout, located behind the shed
- Smoke coming out of broken cleanout cap on the side of the shed
- 
- 

**SKETCH**



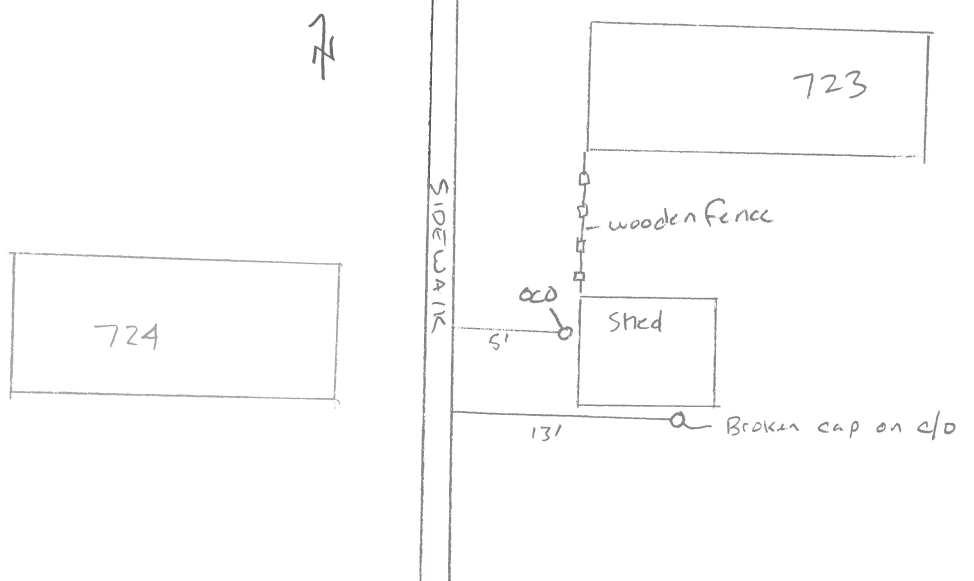
1.



2.



3.



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla I/I Study

205 W. Heintz St Unit #701

Project Name :

Location / Address:

100.26

1-11

TL

TL\_21 - TL\_22

Project No.

Report No.

Basin:

MH No. / Main:

Chilton Peck

10.16.17

Tested By:

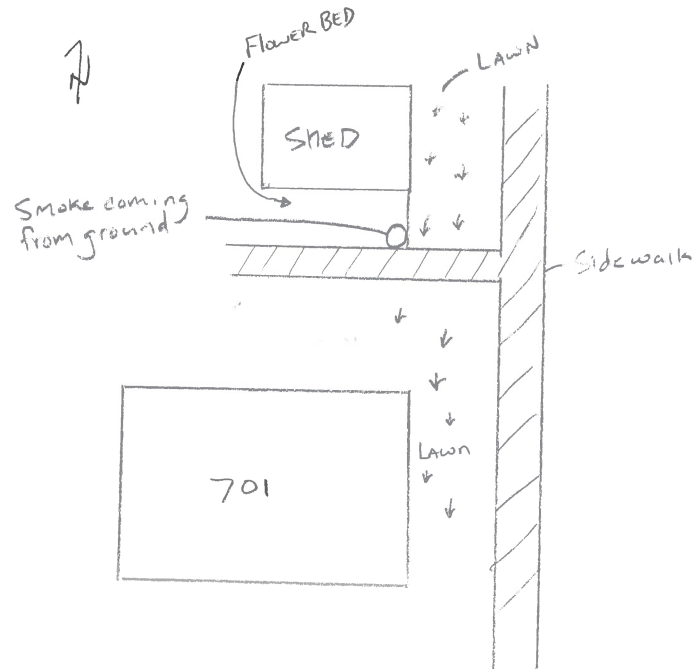
Date:

TESTING CODE	PHOTOGRAPHS	
LSL = Leaking Service Lateral	<u>No.</u>	<u>Description</u>
LML = Leaking Main Line	1	LSL
CB = Catch Basin		
LMH = Leaking Manhole		
OCO = Open Cleanout		
PHV = Plugged House Vent		
RD = Roof Drain		

### Comments

- Located at Unit #701 of Twin Firs Mobile Home Park
- Smoke coming from ground in the flower bed, next the shed.
- 
- 
- 

### SKETCH



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

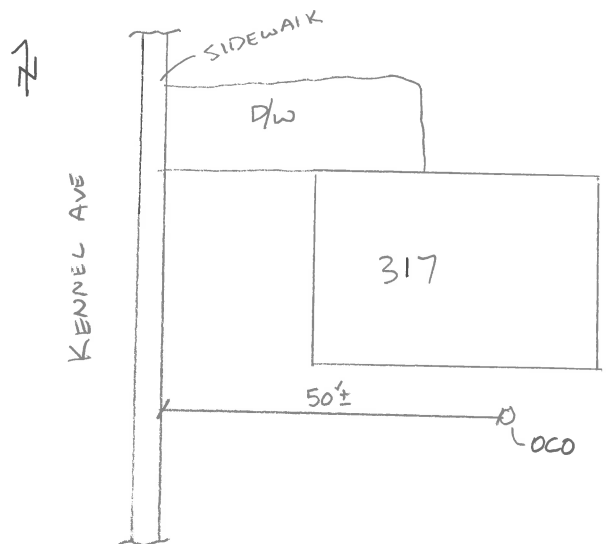
Molalla I/I Study		317 Kennel Ave	
Project Name :		Location / Address:	
100.26	1-12	TL D	TL D 8 - TL D 14
Project No.	Report No.	Basin:	MH No. / Main:
Chilton Peck			10.16.17
Tested By:			Date:

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;">No.</th> <th style="width: 85%; text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">OCO</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> </tr> </tbody> </table>	No.	Description	1	OCO								
No.	Description												
1	OCO												

**Comments**

- Smoke coming from open cleanout
- 
- 
- 
- 
- 

**SKETCH**





# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

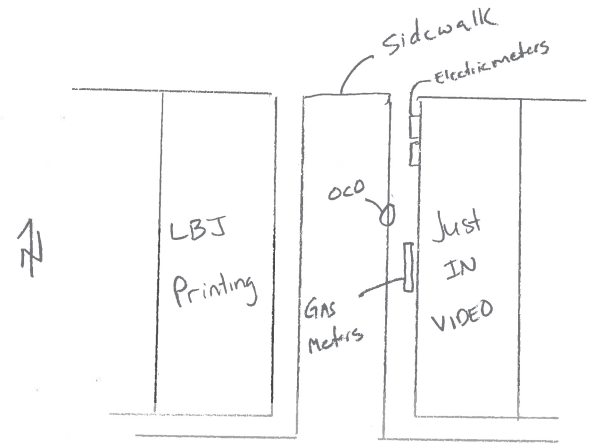
Molalla I/I Study		270 N. Molalla Ave	
Project Name :		Location / Address:	
100.26	1-13	TL D	TL D 8 - TL D 14
Project No.	Report No.	Basin:	MH No. / Main:
Chilton Peck			10.16.17
Tested By:			Date:

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;">No.</th> <th style="width: 85%; text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">OCO</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> </tr> </tbody> </table>	No.	Description	1	OCO								
No.	Description												
1	OCO												

**Comments**

- Smoke coming from cleanout cap,
- Located in the sidewalk along the west wall of building 270 N. Molalla (Just In video)
- 
- 
- 

**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla I/I Study

Intersection of Marson Ct. & East Ross Street

Project Name :

Location / Address:

100.26

1-14

TL D

TL D 17

Project No.

Report No.

Basin:

MH No. / Main:

Chilton Peck

10.16.17

Tested By:

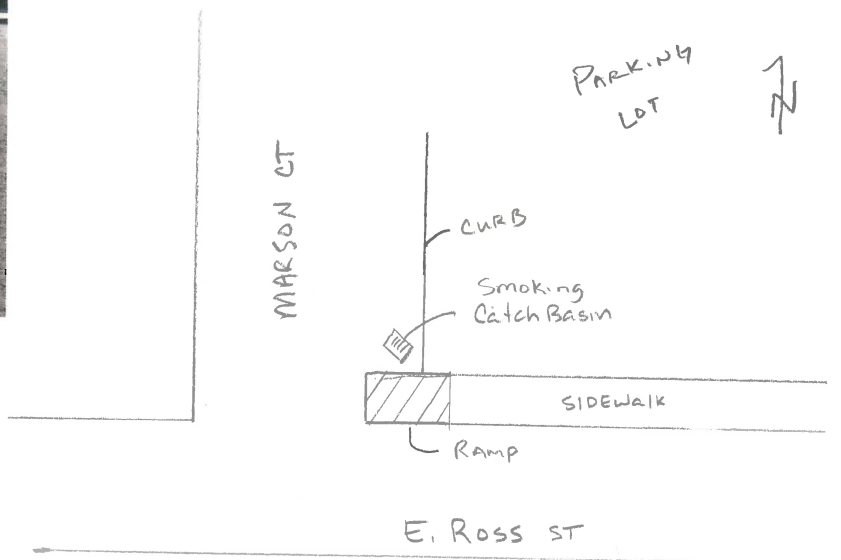
Date:

TESTING CODE	PHOTOGRAPHS	
LSL = Leaking Service Lateral	<u>No.</u>	<u>Description</u>
LML = Leaking Main Line	1      CB	
CB = Catch Basin		
LMH = Leaking Manhole		
OCO = Open Cleanout		
PHV = Plugged House Vent		
RD = Roof Drain		

### Comments

- Smoke coming from catch basin
- Located in the northeast corner of intersection of E. Ross Street & Marson Court, on the north side of the asphalt ramp.
- 
- 
- 

### SKETCH



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

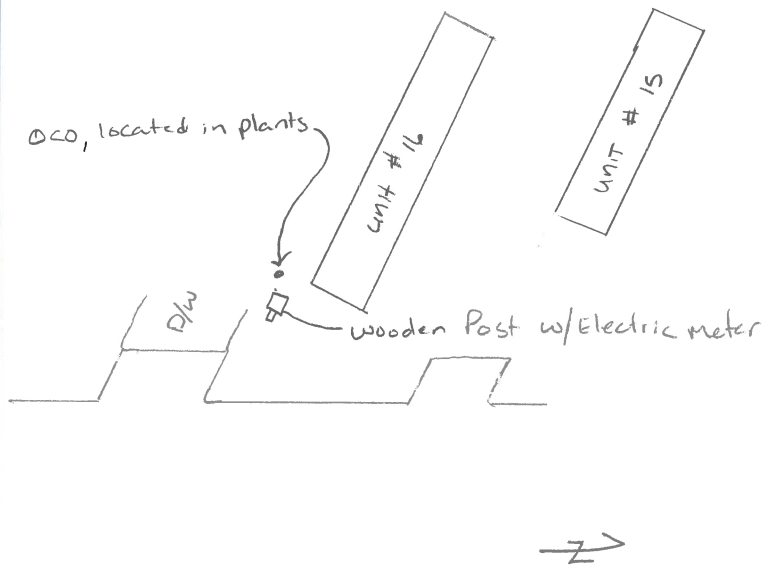
Project Name : <u>Molalla I/I Study</u>		Location / Address: <u>138 Shirley St, Unit #16</u>	
Project No. <u>100.26</u>	Report No. <u>1-15</u>	TL <u>C</u>	TL <u>16 - TL 17</u>
Tested By: <u>Chilton Peck</u>		Basin:	MH No. / Main: <u>10.16.17</u>
			Date: _____

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;">No.</th> <th style="width: 85%; text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">OCO</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	OCO								
No.	Description												
1	OCO												

**Comments**

- Smoke coming from open cleanout with no cap
- Located in Molalla Mobile Manor
- 
- 
- 

**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla I/I Study		137 Fenton Avenue	
Project Name :	1-16	Location / Address:	TL B
Project No.	Report No.	Basin:	TL B 20
Chilton Peck		MH No. / Main:	10.16.17
Tested By:		Date:	

TESTING CODE	PHOTOGRAPHS	
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<u>No.</u>	<u>Description</u>
	1	LMH

**Comments**

- Little bit of smoke leaking around the rim
- 
- 
- 
- 

**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

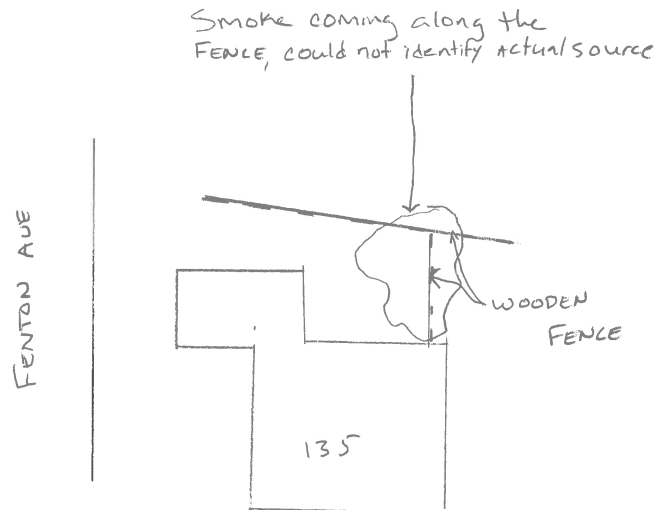
Molalla I/I Study		135 Fenton Avenue	
Project Name :		Location / Address:	
100.26	1-17	TL B	TL B 20 - TL B 21
Project No.	Report No.	Basin:	MH No. / Main:
Chilton Peck			10.16.17
Tested By:		Date:	

TESTING CODE	PHOTOGRAPHS	
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<u>No.</u>	<u>Description</u>
	1	OCO

### Comments

- Smoke coming behind the fence, could not identify the source.
- 
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### SKETCH



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

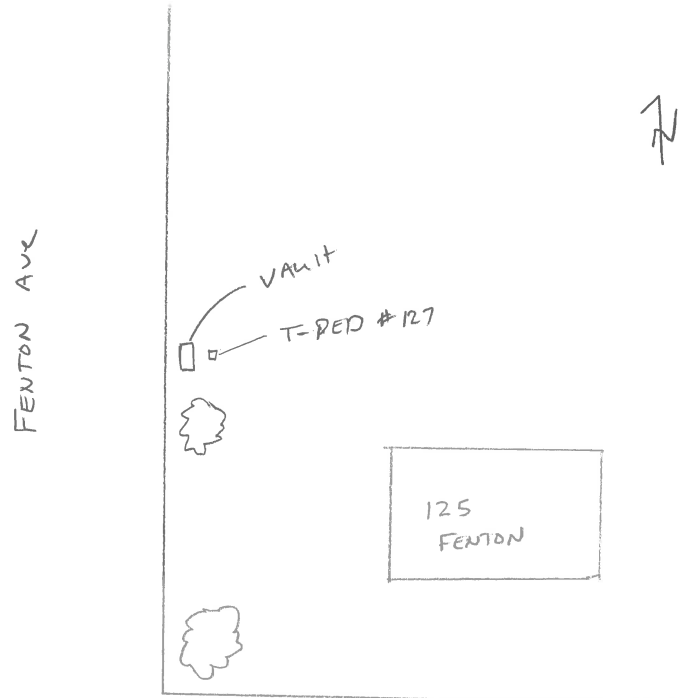
Project Name : <b>Molalla I/I Study</b>		Location / Address: <b>131 Fenton Avenue</b>	
Project No. <b>100.26</b>	Report No. <b>1-18</b>	Basin: <b>TL B</b>	MH No. / Main: <b>TL B 20 - TL B 21</b>
Tested By: <b>Chilton Peck</b>		Date: <b>10.16.17</b>	

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;">No.</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td></td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1									
No.	Description												
1													

**Comments**

- Smoke coming out of communication box located in front of telephone pedestal #127
- 
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**SKETCH**



Kimberly CT



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

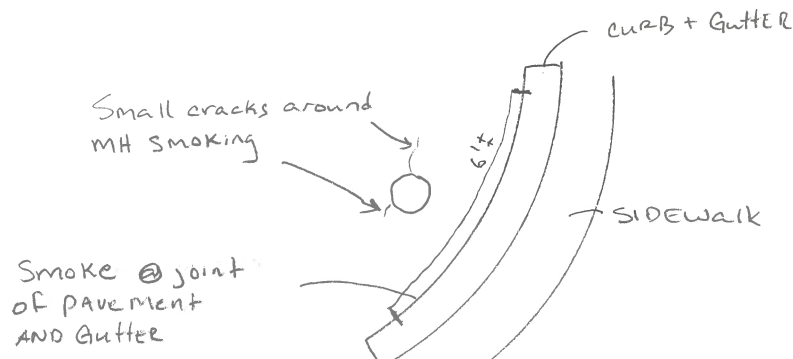
Molalla I/I Study		200 Oak St.	
Project Name :		Location / Address:	
100.26	1-19	TL B	TL B 11
Project No.	Report No.	Basin:	MH No. / Main:
Chilton Peck			10.16.17
Tested By:			Date:

TESTING CODE	PHOTOGRAPHS																		
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%; text-align: center;">No.</th> <th style="width: 10%; text-align: center;">LMH</th> <th style="width: 80%; text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td></td> <td></td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	No.	LMH	Description	1														
No.	LMH	Description																	
1																			

**Comments**

- Smoke leaky out around the rim of the manhole, the cracks in the road around the manhole and along the joint between the ac pavement and concrete gutter
- 
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**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

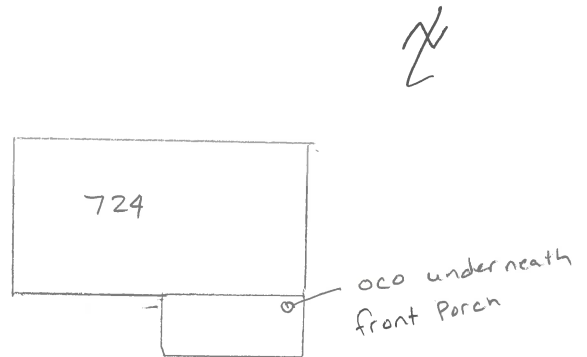
Project Name : <u>Molalla I/I Study</u>		Location / Address: <u>724 Oak St.</u>	
Project No. <u>100.26</u>	Report No. <u>1-20</u>	Basin: <u>TL B</u>	MH No. / Main: <u>TL B 12 - C/O</u>
Tested By: <u>Chilton Peck</u>		Date: <u>10.16.17</u>	

TESTING CODE	PHOTOGRAPHS																					
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center; width: 10%;">No.</th> <th style="text-align: center; width: 10%;">LMH</th> <th style="text-align: center; width: 80%;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">LMH</td> <td></td> </tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	No.	LMH	Description	1	LMH																
No.	LMH	Description																				
1	LMH																					

**Comments**

- Smoke coming out of open clean located under the front deck.
- 
- 
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**SKETCH**





# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Project Name : <b>Molalla I/I Study</b>		Location / Address: <b>Intersection E. Heintz St. &amp; E. Park Ave.</b>	
Project No. <b>100.26</b>	Report No. <b>1-21</b>	Basin: <b>TL B</b>	MH No. / Main: <b>TL B 9</b>
Tested By: <b>Chilton Peck</b>		Date: <b>10.16.17</b>	

TESTING CODE	PHOTOGRAPHS																					
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center; width: 10%;"><u>No.</u></th> <th style="text-align: center; width: 10%;"><u>LMH</u></th> <th style="text-align: center; width: 80%;"><u>Description</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;"> </td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;"> </td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;"> </td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;"> </td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;"> </td> <td></td> <td></td> </tr> </tbody> </table>	<u>No.</u>	<u>LMH</u>	<u>Description</u>	1																	
<u>No.</u>	<u>LMH</u>	<u>Description</u>																				
1																						

**Comments**

- Smoke leaking slightly around the rim of the manhole
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**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla I/I Study	200 N. Cole Ave	
Project Name : 100.26	1-22	Location / Address: TL B
Project No. Chilton Peck	Report No.	Basin: TL B 25
Tested By:		MH No. / Main: 10.16.17
		Date:

TESTING CODE	PHOTOGRAPHS	
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	No.	Description
	1	LMH

**Comments**

- Smoke leaking slightly around the rim of the manhole
- 
- 
- 
- 
- 

**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Project Name : Molalla I/I Study		Location / Address: 716 Patrol St.	
100.26	1-23	TL B	TL B 6 - TL B 27
Project No. Chilton Peck		Report No.	Basin: TL B 6 - TL B 27
Tested By:			MH No. / Main: 10.16.17
			Date: 10.16.17

TESTING CODE	PHOTOGRAPHS																			
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table border="0" style="width: 100%;"> <tr> <th style="text-align: center; border-bottom: 1px solid black;">No.</th> <th style="text-align: center; border-bottom: 1px solid black;">RD</th> <th style="text-align: center; border-bottom: 1px solid black;">Description</th> </tr> <tr> <td style="text-align: center;">1</td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;"> </td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;"> </td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;"> </td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;"> </td> <td></td> <td></td> </tr> </table>	No.	RD	Description	1															
No.	RD	Description																		
1																				

**Comments**

- Smoke coming out of gutter by front porch.
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**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

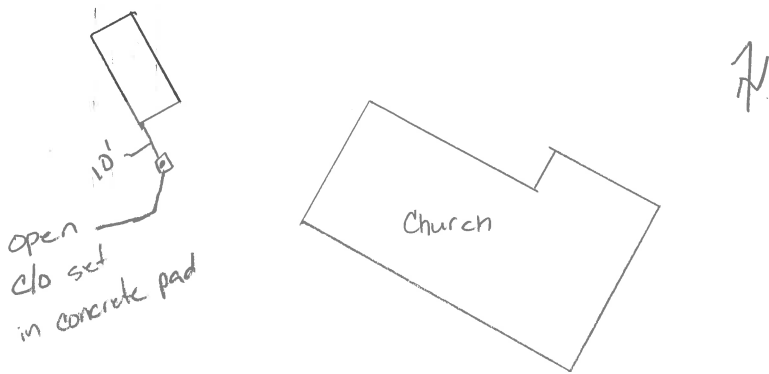
Project Name : <b>Molalla I/I Study</b>	Location / Address: <b>920 Shirley St</b>	
Project No. <b>100.26</b>	Report No. <b>1-24</b>	Basin: <b>TL B</b>
Tested By: <b>Chilton Peck</b>		MH No. / Main: <b>TL B 27 - TL B 7</b>
		Date: <b>10.16.17</b>

TESTING CODE	PHOTOGRAPHS														
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table border="0" style="width: 100%;"> <thead> <tr> <th style="text-align: center; width: 10%;">No.</th> <th style="text-align: center; width: 10%;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">OCO</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	OCO										
No.	Description														
1	OCO														

**Comments**

- Smoke coming out of open cleanout next to shop T@ Church of the Nazarene
- 
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**SKETCH**



Hury 211

# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla I/I Study

Toliver Rd & Creamery Cr. Lane

Project Name :

Location / Address:

100.26

1-25

TL

TL 21 - TL 22

Project No.

Report No.

Basin:

MH No. / Main:

Chilton Peck

10.17.17

Tested By:

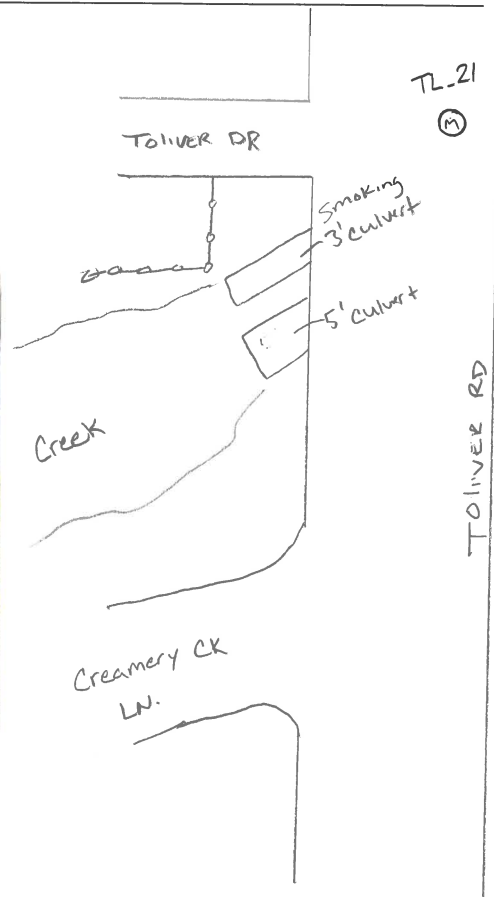
Date:

TESTING CODE	PHOTOGRAPHS	
LSL = Leaking Service Lateral	<u>No.</u>	<u>Description</u>
LML = Leaking Main Line	1	LML
CB = Catch Basin		
LMH = Leaking Manhole		
OCO = Open Cleanout		
PHV = Plugged House Vent		
RD = Roof Drain		

### Comments

- Smoke coming out of the 36" diameter culvert. Smoke machine was set up on MH TL 21
- 
- 
- 
- 
- 

### SKETCH



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Project Name : <b>Molalla I/I Study</b>		Location / Address: <b>718 N. Molalla Ave</b>	
Project No. <b>100.26</b>	Report No. <b>1-26</b>	Basin: <b>TL_C</b>	MH No. / Main: <b>TL_C 23</b>
Tested By: <b>Chilton Peck</b>		Date: <b>10.17.17</b>	

TESTING CODE	PHOTOGRAPHS																		
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%; text-align: center;">No.</th> <th style="width: 10%; text-align: center;">LMH</th> <th style="width: 80%; text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td></td> <td></td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	No.	LMH	Description	1														
No.	LMH	Description																	
1																			

**Comments**

- Smoke leaking around rim of manhole
- 
- 
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- 

**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

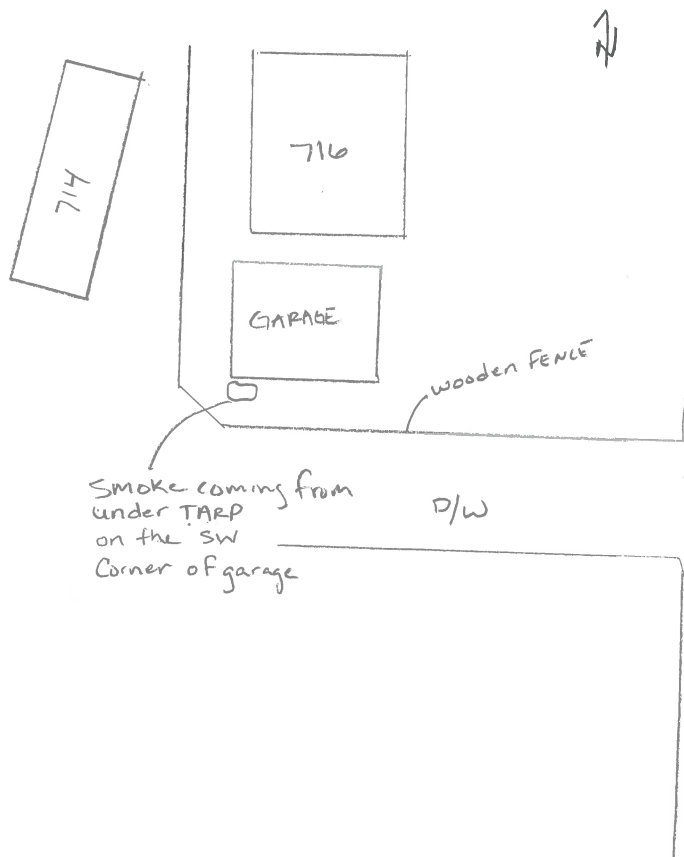
Project Name : <b>Molalla I/I Study</b>		Location / Address: <b>716 N. Molalla Ave</b>	
Project No. <b>100.26</b>	Report No. <b>1-27</b>	Basin: <b>TL C</b>	MH No. / Main: <b>TL C 22 - TL C 23</b>
Tested By: <b>Chilton Peck</b>		Date: <b>10.17.17</b>	

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%; text-align: center;">No.</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">OCO</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	OCO								
No.	Description												
1	OCO												

**Comments**

- Smoke coming out from under the tarp on the southwest corner of the garage
- 
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- 
- 
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**SKETCH**



N. MOLALLA AVE



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla I/I Study	702 Faurie Ave	
Project Name : 100.26	Location / Address: TL_C	TL_C 33 - C/O
Project No. Chilton Peck	Report No. 1-28	Basin: MH No. / Main: 10.17.17
Tested By:		Date:

TESTING CODE	PHOTOGRAPHS														
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;">No.</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>OCO, LSL</td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	OCO, LSL										
No.	Description														
1	OCO, LSL														

**Comments**

- Smoke coming out from cleanout with rocks over it and along the lateral to another cleanout located close to the house. The lateral follows the edge of the grass.

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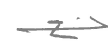
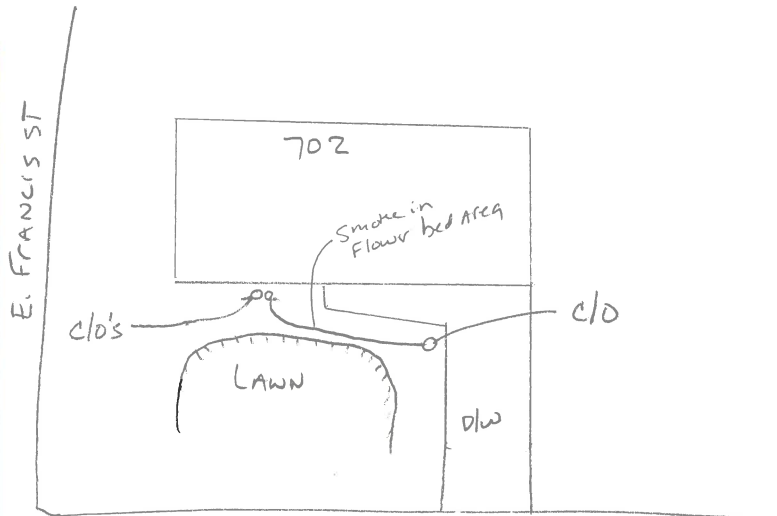
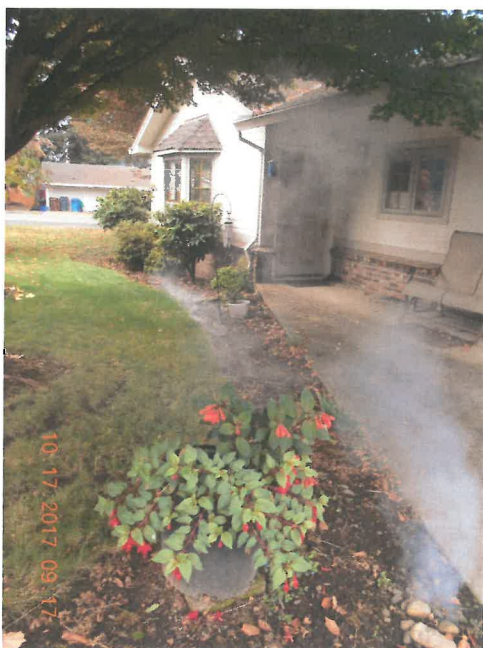


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**SKETCH**





# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla I/I Study

Intersection of Frances St. & Christopher St.

Project Name :

Location / Address:

100.26

1-29

TL C

TL C 12

Project No.

Report No.

Basin:

MH No. / Main:

Chilton Peck

10.17.17

Tested By:

Date:

TESTING CODE	PHOTOGRAPHS	
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<u>No.</u>	<u>Description</u>
	1	LMH

**Comments**

- Smoke coming out from around rim of manhole

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**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Project Name : 100.26		193 Shirley St	
Project No. Chilton Peck	Report No. 1-30	Location / Address: TL C	TL C 38
Tested By:		Basin:	MH No. / Main: 10.17.17
			Date:

TESTING CODE	PHOTOGRAPHS	
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<u>No.</u>	<u>Description</u>
	1	LMH

**Comments**

- Smoke coming out from around rim of manhole
- 
- 
- 
- 

**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla I/I Study

237 Shirley St

Project Name :

Location / Address:

100.26

1-31

TL C

TL C 38

Project No.

Report No.

Basin:

MH No. / Main:

Chilton Peck

10.17.17

Tested By:

Date:

TESTING CODE	PHOTOGRAPHS
LSL = Leaking Service Lateral	<u>No.</u>
LML = Leaking Main Line	1      OCO
CB = Catch Basin	<u>Description</u>
LMH = Leaking Manhole	_____
OCO = Open Cleanout	_____
PHV = Plugged House Vent	_____
RD = Roof Drain	_____

**Comments**

- Smoke coming out of cleanout with no cap

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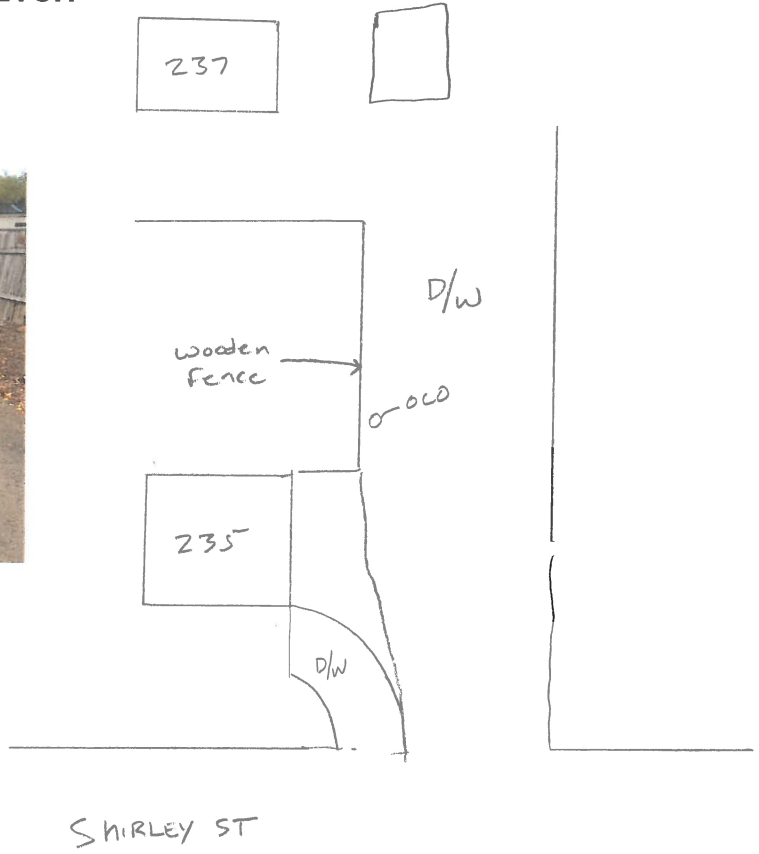


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**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla I/I Study		207 Lola Ave	
Project Name :		Location / Address:	
100.26	1-32	TL A	TL A 19 - TL A 22
Project No.	Report No.	Basin:	MH No. / Main:
Chilton Peck			10.17.17
Tested By:			Date:

TESTING CODE	PHOTOGRAPHS														
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;">No.</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>OCO</td> </tr> <tr> <td style="text-align: center;">2</td> <td>LSL – smoke coming from ground</td> </tr> <tr> <td style="text-align: center;">3</td> <td>Smoke coming from ground</td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	OCO	2	LSL – smoke coming from ground	3	Smoke coming from ground						
No.	Description														
1	OCO														
2	LSL – smoke coming from ground														
3	Smoke coming from ground														

**Comments**

- Resident has a plastic plate fastened down over the cleanout, smoke coming out of the ground near the road and the gas meter
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**SKETCH**



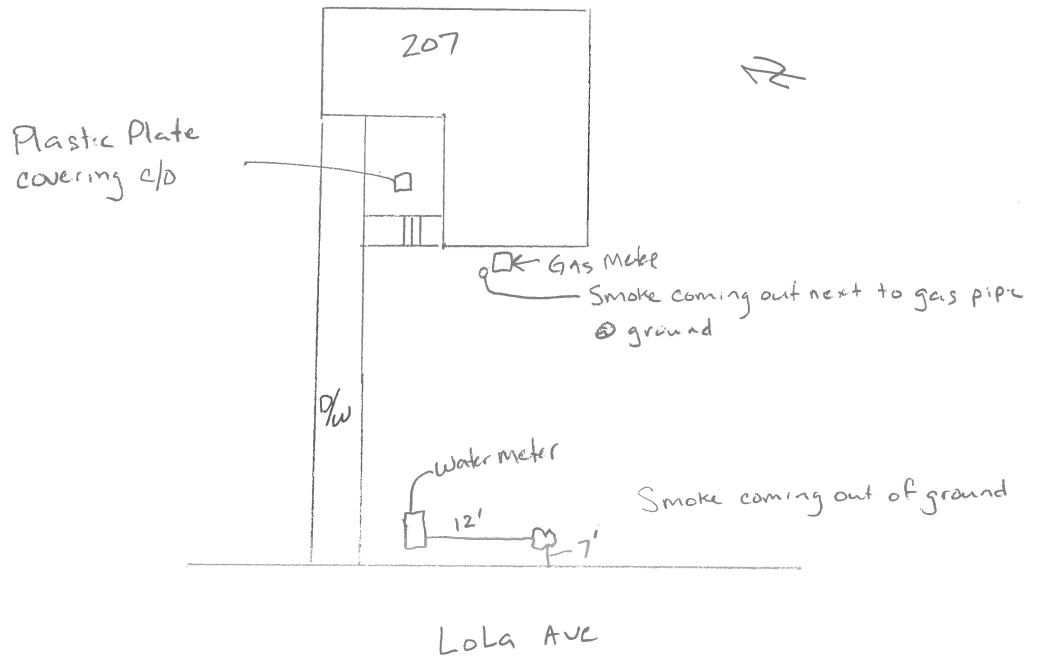
1.



2.



3.





# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla I/I Study	410 E. 2 <sup>nd</sup> St	
Project Name : 100.26	Location / Address: TL_A	TL_A 19 - TL_A 22
Project No. Chilton Peck	Report No. 1-33	Basin: MH No. / Main: 10.17.17
Tested By:		Date:

TESTING CODE	PHOTOGRAPHS																		
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center; width: 10%;"><u>No.</u></th> <th style="text-align: center; width: 10%;"><u>CB</u></th> <th style="text-align: center; width: 80%;"><u>Description</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;"> </td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;"> </td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;"> </td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;"> </td> <td></td> <td></td> </tr> </tbody> </table>	<u>No.</u>	<u>CB</u>	<u>Description</u>	1														
<u>No.</u>	<u>CB</u>	<u>Description</u>																	
1																			

**Comments**

- Smoke coming out of catch basin on the southwest corner of Lola Ave and E. 2<sup>nd</sup> St.
- 
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**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Project Name : <b>Molalla I/I Study</b>		Location / Address: <b>104 S. Cole Ave</b>	
Project No. <b>100.26</b>	Report No. <b>1-34</b>	Basin: <b>TL_A</b>	MH No. / Main: <b>TL_A 3 - TL_A 29</b>
Tested By: <b>Chilton Peck</b>		Date: <b>10.17.17</b>	

TESTING CODE	PHOTOGRAPHS																		
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center; border-bottom: 1px solid black;">No.</th> <th style="text-align: center; border-bottom: 1px solid black;">CB</th> <th style="text-align: center; border-bottom: 1px solid black;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;"> </td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;"> </td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;"> </td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;"> </td> <td></td> <td></td> </tr> </tbody> </table>	No.	CB	Description	1														
No.	CB	Description																	
1																			

**Comments**

- Smoke leaking around the cleanout cap
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- 
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- 

**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

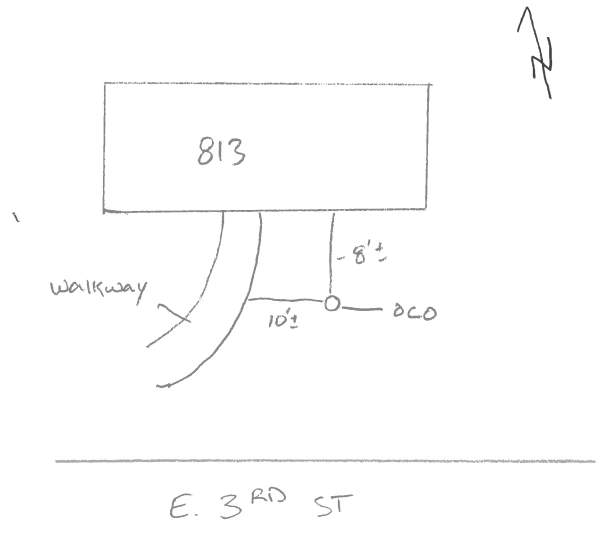
Project Name : <b>Molalla I/I Study</b>	Location / Address: <b>813 E. 3<sup>rd</sup> St.</b>	
Project No. <b>100.26</b>	Report No. <b>1-36</b>	Basin: <b>TL A</b>
Tested By: <b>Chilton Peck</b>	MH No. / Main: <b>10.17.17</b>	Date: <b>10.17.17</b>

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%; text-align: center;">No.</th> <th style="width: 90%; text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">OCO</td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	OCO								
No.	Description												
1	OCO												

**Comments**

- Smoke coming out of cleanout
- 
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**SKETCH**





# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

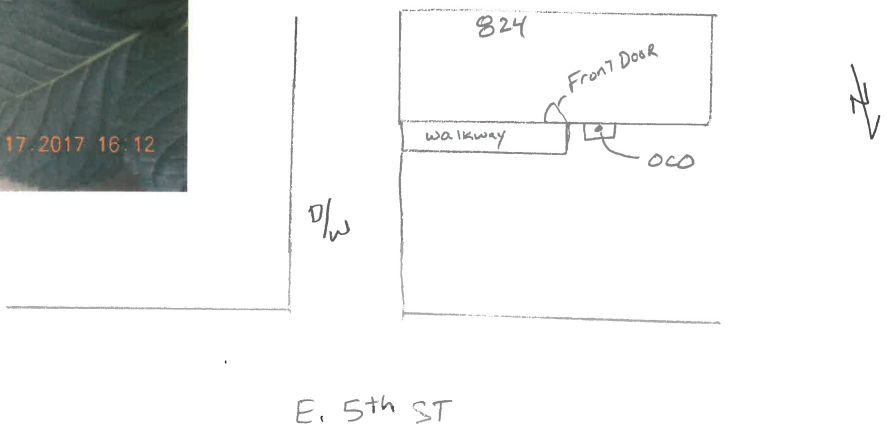
Molalla I/I Study	824 E. 5th St.	
Project Name : 100.26	Location / Address: TL_A	TL_A 11 - TL_A 23
Project No. Chilton Peck	Report No. 1-37	Basin: MH No. / Main: 10.17.17
Tested By:		Date:

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;">No.</th> <th style="width: 85%; text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">OCO</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	OCO								
No.	Description												
1	OCO												

**Comments**

- Smoke coming out of cleanout, located in recessed house vent
- 
- 
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- 
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**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla I/I Study	827 E. 5th St.	
Project Name : 100.26	Location / Address: TL_A	TL_A 11 - TL_A 23
Project No. Chilton Peck	Report No. 1-38	Basin: MH No. / Main: 10.17.17
Tested By:		Date:

TESTING CODE	PHOTOGRAPHS														
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%; text-align: center;">No.</th> <th style="width: 90%; text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">OCO</td> </tr> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">LSL</td> </tr> <tr> <td style="text-align: center;">3</td> <td style="text-align: center;">OCO</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> </tr> </tbody> </table>	No.	Description	1	OCO	2	LSL	3	OCO						
No.	Description														
1	OCO														
2	LSL														
3	OCO														

**Comments**

- 1. Smoke leaking around cleanout cap
- 2. Smoke coming out of irrigation valve box
- 3. Smoke coming out of cleanout with no cap
- 
- 

**SKETCH**



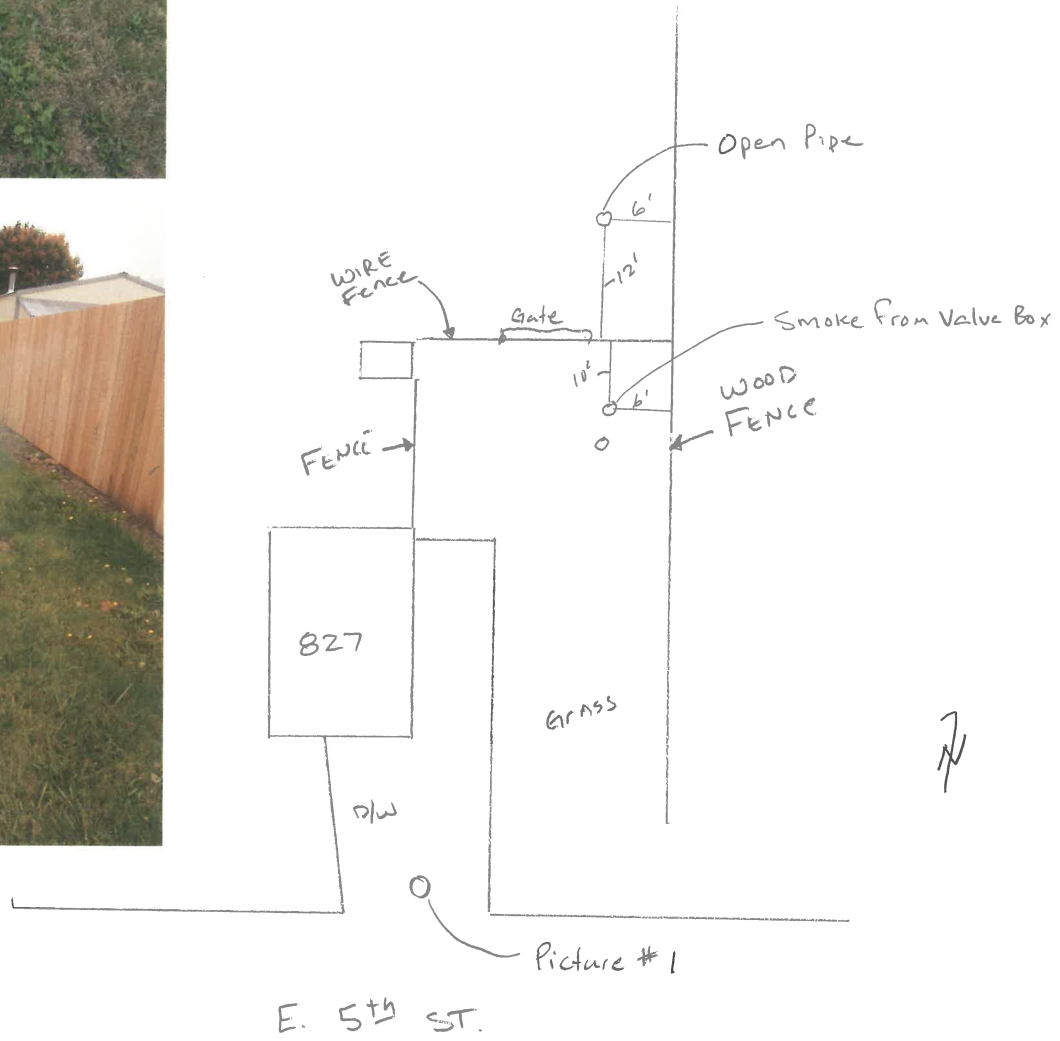
1.



2.



3.



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla I/I Study

Intersection of E. 5<sup>th</sup> St. & S. Cole Ave

Project Name :

Location / Address:

100.26

1-39

TL\_A2

TL\_A2\_1

Project No.

Report No.

Basin:

MH No. / Main:

Chilton Peck

10.17.17

Tested By:

Date:

TESTING CODE	PHOTOGRAPHS														
<p>LSL = Leaking Service Lateral                      LML = Leaking Main Line                      CB = Catch Basin                      LMH = Leaking Manhole                      OCO = Open Cleanout                      PHV = Plugged House Vent                      RD = Roof Drain</p>	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;"><u>No.</u></th> <th style="text-align: center;"><u>Description</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>LMH</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	<u>No.</u>	<u>Description</u>	1	LMH										
<u>No.</u>	<u>Description</u>														
1	LMH														

**Comments**

- Smoke leaking around rim of manhole
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**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

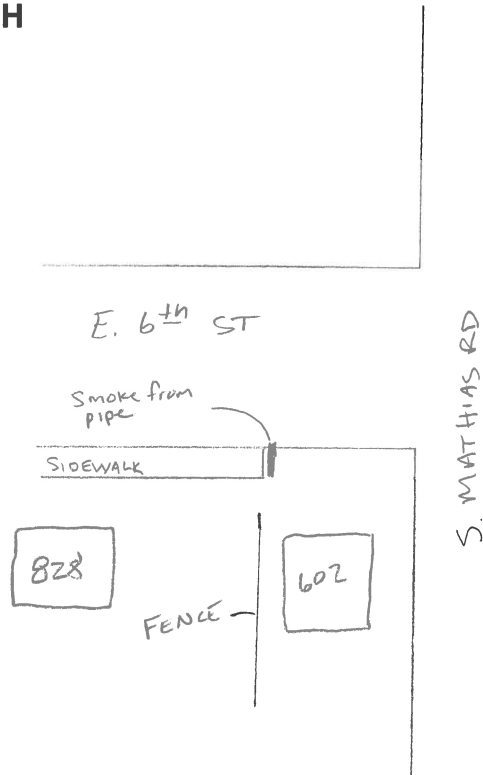
Project Name : <b>Molalla I/I Study</b>		Location / Address: <b>602 S. Mathias Rd.</b>	
100.26	1-40	TL_A	TL_A_10 - C/O
Project No. <b>Chilton Peck</b>	Report No.	Basin:	MH No. / Main: <b>10.17.17</b>
Tested By:		Date:	

TESTING CODE	PHOTOGRAPHS
LSL = Leaking Service Lateral	<u>No.</u>
LML = Leaking Main Line	1    RD
CB = Catch Basin	<u>Description</u>
LMH = Leaking Manhole	_____
OCO = Open Cleanout	_____
PHV = Plugged House Vent	_____
RD = Roof Drain	_____

**Comments**

- Smoke coming out of drain located in the sidewalk
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

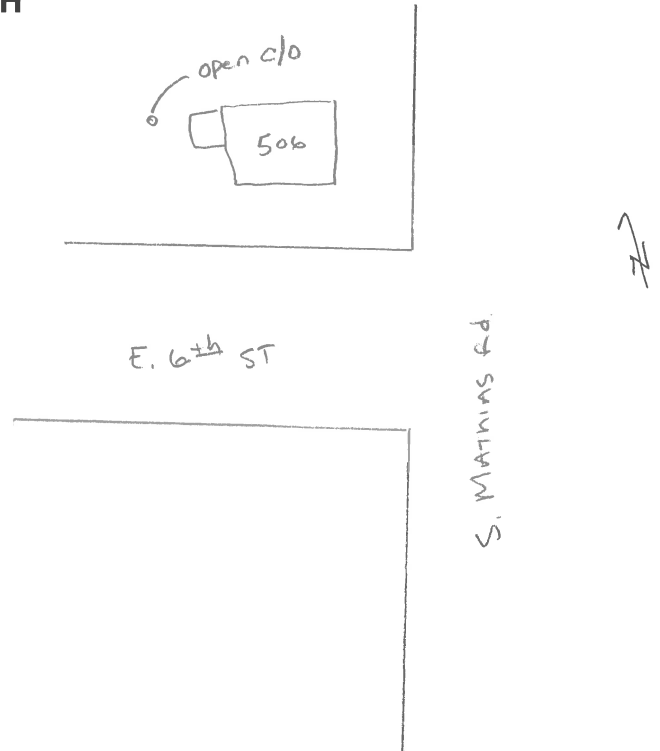
Project Name : <u>Molalla I/I Study</u>		Location / Address: <u>506 S. Mathias Rd.</u>	
Project No. <u>100.26</u>	Report No. <u>1-41</u>	Basin: <u>TL_A</u>	MH No. / Main: <u>TL_A 10 - C/O</u>
Tested By: <u>Chilton Peck</u>		Date: <u>10.17.17</u>	

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%; text-align: center;">No.</th> <th style="width: 90%; text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">OCO</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	OCO								
No.	Description												
1	OCO												

**Comments**

- Smoke coming out of cleanout with no cap
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**SKETCH**





# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

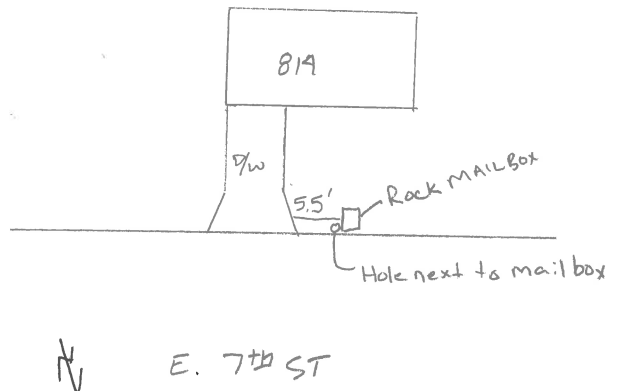
Molalla I/I Study	814 E. 7 <sup>th</sup> St.	
Project Name : 100.26	Location / Address: TL_A2	TL_A2 2 - TL_A2 3
Project No. Chilton Peck	Report No. 1-42	Basin: MH No. / Main: 10.17.17
Tested By:		Date:

TESTING CODE	PHOTOGRAPHS														
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%; text-align: center;">No.</th> <th style="width: 45%; text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">LSL</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	LSL										
No.	Description														
1	LSL														

**Comments**

- Smoke coming out of hole in the ground next to the mailbox
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**SKETCH**





# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

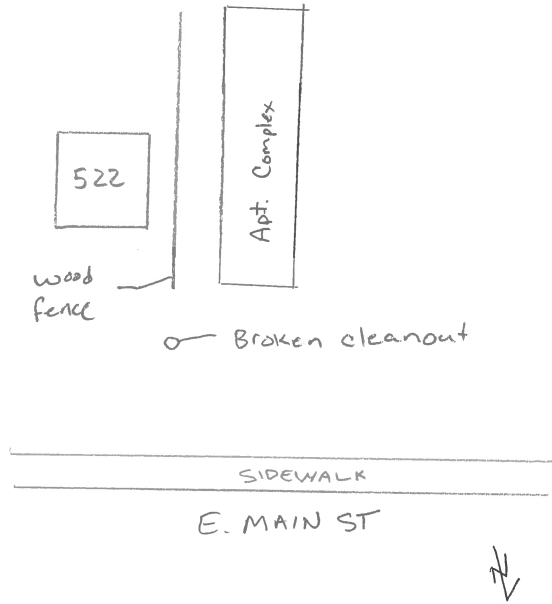
Molalla I/I Study		522 E. Main St	
Project Name :		Location / Address:	
100.26	1-43	TL_A	TL_A 31 - TL_A 32
Project No.	Report No.	Basin:	MH No. / Main:
Chilton Peck			10.18.17
Tested By:		Date:	

TESTING CODE	PHOTOGRAPHS														
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table border="0" style="width: 100%;"> <thead> <tr> <th style="text-align: center; width: 10%;">No.</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">OCO</td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	OCO										
No.	Description														
1	OCO														

**Comments**

- Smoke coming out of broken cleanout
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**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla I/I Study	514 & 518 E. Main St	
Project Name : 100.26	1-44	Location / Address: TL A
Project No. Chilton Peck	Report No.	Basin: TL A 31 - TL A 32
Tested By:		MH No. / Main: 10.18.17
		Date:

TESTING CODE	PHOTOGRAPHS														
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;">No.</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>OCO for Unit #514</td> </tr> <tr> <td style="text-align: center;">2</td> <td>OCO for Unit #518</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	OCO for Unit #514	2	OCO for Unit #518								
No.	Description														
1	OCO for Unit #514														
2	OCO for Unit #518														

**Comments**

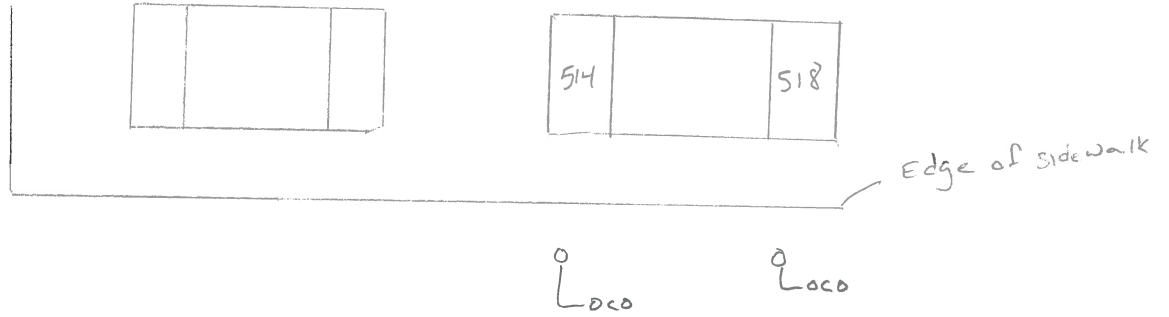
- Smoke coming out of cleanout cap for both units
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**SKETCH**



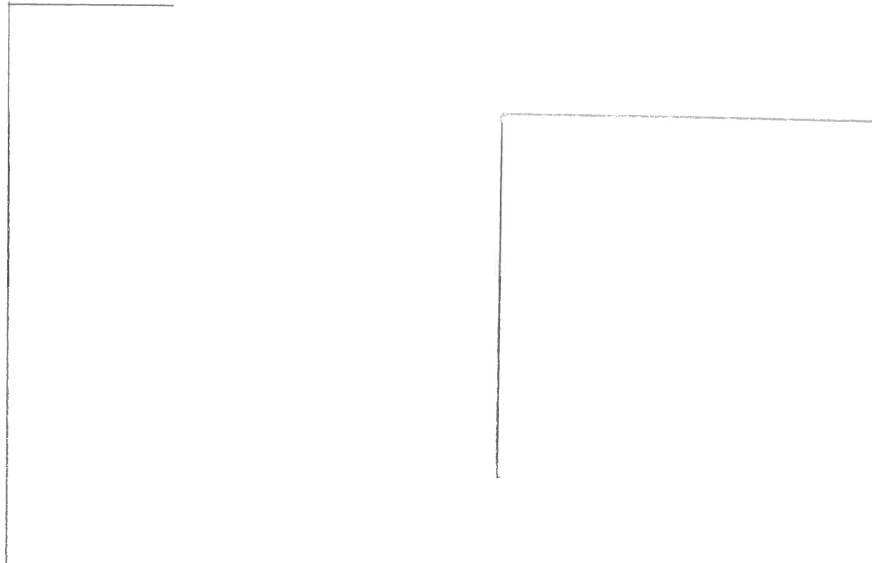


2.



✓

E. MAIN ST.



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

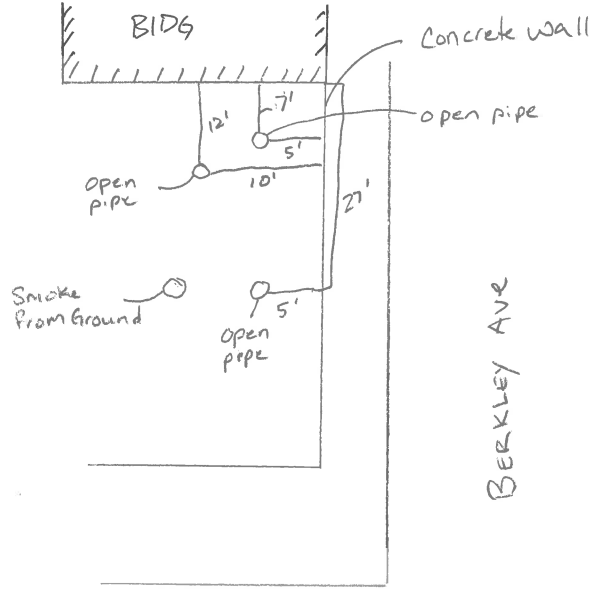
Molalla I/I Study		124 Berkley Ave	
Project Name :	100.26	Location / Address:	BC A3
Project No.	1-45	Basin:	BC A3 12 - BC A3 18
Tested By:	Chilton Peck	MH No. / Main:	10.18.17
		Date:	

TESTING CODE	PHOTOGRAPHS														
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%; text-align: center;">No.</th> <th style="width: 90%; text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">OCO</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	OCO										
No.	Description														
1	OCO														

**Comments**

- Vacant lot - has multiple open pipes and multiple area where smoke was coming from the ground.
- 
- 
- 
- 
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**SKETCH**



E 2ND ST.

# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Project Name : <b>Molalla I/I Study</b>		Location / Address: <b>415 Berkley Ave</b>	
Project No. <b>100.26</b>	Report No. <b>1-46</b>	Basin: <b>BC A3</b>	MH No. / Main: <b>BC A3 14 - C/O</b>
Tested By: <b>Chilton Peck</b>		Date: <b>10.18.17</b>	

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;">No.</th> <th style="width: 85%; text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">OCO</td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	OCO								
No.	Description												
1	OCO												

**Comments**

- Smoking coming out of cleanout

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**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla I/I Study		411 Berkley Ave	
Project Name :		Location / Address:	
100.26	1-47	BC A3	BC A3 14 - C/O
Project No.	Report No.	Basin:	MH No. / Main:
Chilton Peck			10.18.17
Tested By:		Date:	

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center; border-bottom: 1px solid black;">No.</th> <th style="text-align: center; border-bottom: 1px solid black;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">OCO</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> </tr> </tbody> </table>	No.	Description	1	OCO								
No.	Description												
1	OCO												

**Comments**

- Smoking coming out of cleanout with no cap
- 
- 
- 
- 

**SKETCH**





# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Project Name : 100.26	304 E. 4 <sup>th</sup> St.	Location / Address:
Project No. Chilton Peck	1-48	Basin: BC_A3
Tested By:		MH No. / Main: 10.18.17
		Date: 10.18.17

TESTING CODE	PHOTOGRAPHS	
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<u>No.</u>	<u>Description</u>
	1	LSL
	_____	_____
	_____	_____
	_____	_____
	_____	_____

**Comments**

- Smoking coming out of communications vault

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**SKETCH**





# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla I/I Study	312 E. 2nd St.	
Project Name : 100.26	Location / Address: BC A3	BC A3 10 - BC A3 12
Project No. Chilton Peck	Report No. 1-49	Basin: MH No. / Main: 10.18.17
Tested By:		Date:

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table border="0" style="width: 100%;"> <thead> <tr> <th style="text-align: center; width: 10%;"><u>No.</u></th> <th style="text-align: center;"><u>Description</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>OCO</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	<u>No.</u>	<u>Description</u>	1	OCO								
<u>No.</u>	<u>Description</u>												
1	OCO												

**Comments**

- Smoking coming out around the cleanout, located in the street.
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**SKETCH**



Cleanout location

# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Project Name : <b>Molalla I/I Study</b>		Location / Address: <b>111 Swiegle Ave</b>	
100.26	1-50	BC_A3	BC_A3 18 - BC_A3 12
Project No. <b>Chilton Peck</b>	Report No.	Basin:	MH No. / Main: <b>10.18.17</b>
Tested By:			Date:

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table border="0" style="width: 100%;"> <thead> <tr> <th style="text-align: center; width: 15%;"><u>No.</u></th> <th style="text-align: center;"><u>Description</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>OCO &amp; LSL</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	<u>No.</u>	<u>Description</u>	1	OCO & LSL								
<u>No.</u>	<u>Description</u>												
1	OCO & LSL												

**Comments**

- Smoke coming out of open cleanout with chunks of concrete covering it up. Smoke coming out at the joint of the AC pavement and the curb.
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**SKETCH**



1. Smoke from open cleanout
2. Smoke from joint between road and curb,

# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla I/I Study		120 Engle Ave - Pregnancy Care Center	
Project Name :		Location / Address:	
100.26	1-51	BC A3	BC A3 4 - BC A3 19
Project No.	Report No.	Basin:	MH No. / Main:
Chilton Peck			10.18.17
Tested By:		Date:	

TESTING CODE	PHOTOGRAPHS														
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table border="0" style="width: 100%;"> <thead> <tr> <th style="text-align: center; width: 10%;"><u>No.</u></th> <th style="text-align: center;"><u>Description</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>OCO</td> </tr> <tr> <td style="text-align: center;">_____</td> <td>_____</td> </tr> <tr> <td style="text-align: center;">_____</td> <td>_____</td> </tr> <tr> <td style="text-align: center;">_____</td> <td>_____</td> </tr> <tr> <td style="text-align: center;">_____</td> <td>_____</td> </tr> <tr> <td style="text-align: center;">_____</td> <td>_____</td> </tr> </tbody> </table>	<u>No.</u>	<u>Description</u>	1	OCO	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
<u>No.</u>	<u>Description</u>														
1	OCO														
_____	_____														
_____	_____														
_____	_____														
_____	_____														
_____	_____														

**Comments**

- Smoke coming out next the building, could not identify the source
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

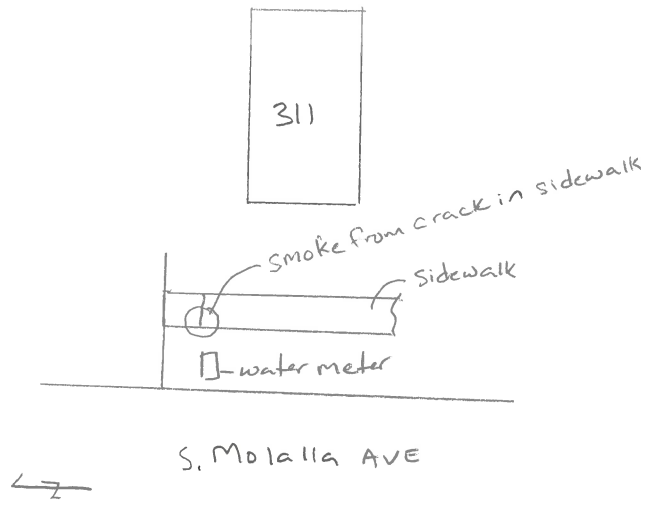
Project Name : <b>Molalla I/I Study</b>		Location / Address: <b>311 S. Molalla Ave</b>	
Project No. <b>100.26</b>	Report No. <b>1-52</b>	Basin: <b>BC_A3</b>	MH No. / Main: <b>BC_A3 3 - BC_A3 16</b>
Tested By: <b>Chilton Peck</b>		Date: <b>10.18.17</b>	

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%; text-align: center;">No.</th> <th style="width: 90%; text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">LSL</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	LSL								
No.	Description												
1	LSL												

**Comments**

- Smoke coming out of the joint in the concrete sidewalk
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**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla I/I Study		314 S. Molalla Ave	
Project Name :		Location / Address:	
100.26	1-53	BC A3	BC A3 3 - BC A3 16
Project No.	Report No.	Basin:	MH No. / Main:
Chilton Peck			10.18.17
Tested By:		Date:	

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center; border-bottom: 1px solid black;">No.</th> <th style="text-align: center; border-bottom: 1px solid black;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">OCO</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> </tr> </tbody> </table>	No.	Description	1	OCO								
No.	Description												
1	OCO												

**Comments**

- Smoke coming out of open cleanout, no cap
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**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla I/I Study

Intersection of S. Molalla Ave & E. 3<sup>rd</sup> St.

Project Name :

Location / Address:

100.26

1-54

BC A3

BC A3 3 - BC A3 16

Project No.

Report No.

Basin:

MH No. / Main:

Chilton Peck

10.18.17

Tested By:

Date:

TESTING CODE	PHOTOGRAPHS														
<p>LSL = Leaking Service Lateral                      LML = Leaking Main Line                      CB = Catch Basin                      LMH = Leaking Manhole                      OCO = Open Cleanout                      PHV = Plugged House Vent                      RD = Roof Drain</p>	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%; text-align: center;">No.</th> <th style="width: 90%; text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">OCO</td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	OCO										
No.	Description														
1	OCO														

**Comments**

- Smoke coming out of catch basin, located on the southeast corner of the intersection
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**SKETCH**





# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla I/I Study		123 S. Molalla Ave	
Project Name :	100.26	Location / Address:	BC A3
Project No.	1-55	Basin:	BC A3 15 - BC A3 20
Report No.	Chilton Peck	MH No. / Main:	10.18.17
Tested By:		Date:	

TESTING CODE	PHOTOGRAPHS
LSL = Leaking Service Lateral	<u>No.</u>
LML = Leaking Main Line	1      RD
CB = Catch Basin	_____
LMH = Leaking Manhole	_____
OCO = Open Cleanout	_____
PHV = Plugged House Vent	_____
RD = Roof Drain	_____

**Comments**

- 4" white drain pipe located on the north side of the building. Smoke coming out of the pipe at the northeast corner of the building. Hole in the pipe.

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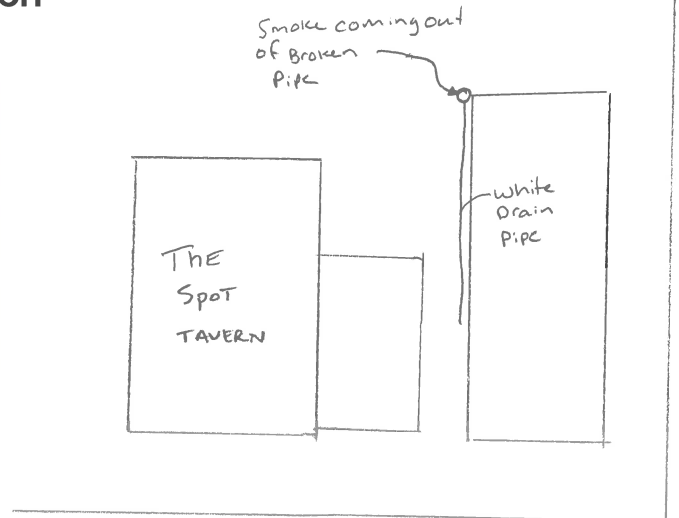


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**SKETCH**



S. Molalla Ave





# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

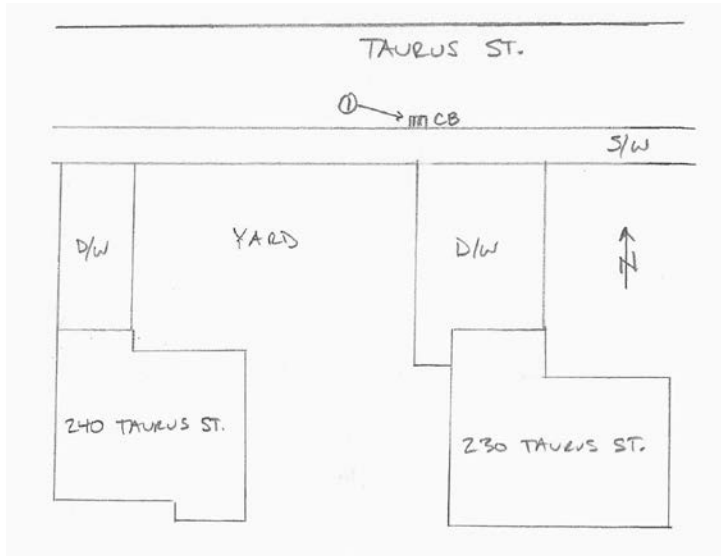
Molalla Smoke Testing	230 Taurus St.
Project Name : 100.26	Location / Address: TL_C2
Project No. : 2-1	Basin: TL_C2_10 and TL_C2_18
Report No. : Ryan Quigley	MH No. / Main: Monday, October 16, 2017
Tested By:	Date:

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line <b>CB = Catch Basin</b> LMH = Leaking Manhole OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;">No.</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Smoke from Catch Basin</td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	Smoke from Catch Basin								
No.	Description												
1	Smoke from Catch Basin												

### Comments

- Catch Basin on the south side of Taurus St., in front of 230 & 240 Taurus St.
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### SKETCH



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

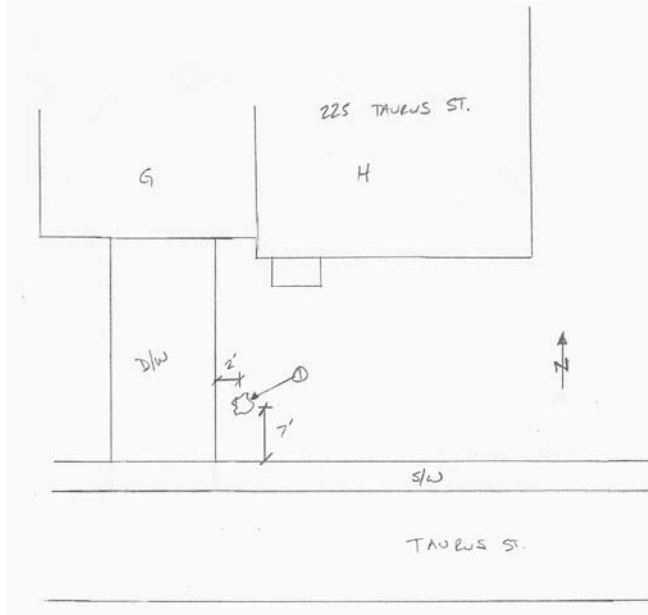
Molalla Smoke Testing	225 Taurus St.	
Project Name :	Location / Address:	
100.26	2-2	TL_C2
Project No.	Report No.	Basin:
Ryan Quigley		TL_C2_10 and TL_C22_18
Tested By:		MH No. / Main:
		Monday, October 16, 2017
		Date:

TESTING CODE	PHOTOGRAPHS												
<p><b>LSL = Leaking Service Lateral</b></p> <p>LML = Leaking Main Line</p> <p>CB = Catch Basin</p> <p>LMH = Leaking Manhole</p> <p>OCO = Open Cleanout</p> <p>PHV = Plugged House Vent</p> <p>RD = Roof Drain</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;">No.</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Smoke from front yard</td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	Smoke from front yard								
No.	Description												
1	Smoke from front yard												

**Comments**

- Smoke in front yard, just east of driveway edge. No cleanout found in area of smoke.
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**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing Toliver Rd & Creamery Creek Ln  
Project Name : Location / Address:  
100.26 2-3 TL TL\_23  
Project No. Report No. Basin: MH No. / Main:  
Ryan Quigley Monday, October 16, 2017  
Tested By: Date:

TESTING CODE	PHOTOGRAPHS
LSL = Leaking Service Lateral	<u>No.</u> <u>Description</u>
LML = Leaking Main Line	1 Smoke between MH rim and asphalt
CB = Catch Basin	_____
<b>LMH = Leaking Manhole</b>	_____
OCO = Open Cleanout	_____
PHV = Plugged House Vent	_____
RD = Roof Drain	_____

## Comments

- No picture available. Smoke was coming up from exterior of manhole TL\_23 rim.
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## SKETCH

# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing	Toliver Dr.
Project Name : 100.26	Location / Address: TL_E
Project No.                      2-4	Basin:                                      TL_E_6
Report No.                      2-4	MH No. / Main: Monday, October 16, 2017
Tested By: Ryan Quigley	Date: Monday, October 16, 2017

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole <b>OCO = Open Cleanout</b> PHV = Plugged House Vent RD = Roof Drain	<table border="0" style="width: 100%;"> <thead> <tr> <th style="text-align: center; width: 10%;"><u>No.</u></th> <th style="text-align: center;"><u>Description</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">Smoke from mainline cleanout lid</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> </tr> </tbody> </table>	<u>No.</u>	<u>Description</u>	1	Smoke from mainline cleanout lid								
<u>No.</u>	<u>Description</u>												
1	Smoke from mainline cleanout lid												

**Comments**

- Mainline cleanout on Toliver Dr., +/-65' south of manhole TL\_E\_6.
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**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing	Hauser Ct.	
Project Name :	Location / Address:	
100.26	2-5	TL_E TL_E_3
Project No.	Report No.	MH No. / Main:
Ryan Quigley		Monday, October 16, 2017
Tested By:		Date:

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole <b>OCO = Open Cleanout</b> PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;"><u>No.</u></th> <th style="text-align: center;"><u>Description</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Smoke from mainline cleanout lid</td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> </tbody> </table>	<u>No.</u>	<u>Description</u>	1	Smoke from mainline cleanout lid								
<u>No.</u>	<u>Description</u>												
1	Smoke from mainline cleanout lid												

**Comments**

- Mainline cleanout on Hauser Ct., +/-185' north of manhole TL\_E\_3.
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**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing	Toliver Dr. & Revilot Ct.
Project Name : 100.26	Location / Address: TL
Project No.                      2-6	Basin:                                      TL_SB1_3
Report No.	MH No. / Main:
Ryan Quigley	Monday, October 16, 2017
Tested By:	Date:

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin <b>LMH = Leaking Manhole</b> OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center; border-bottom: 1px solid black;"><u>No.</u></th> <th style="text-align: center; border-bottom: 1px solid black;"><u>Description</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center; border-bottom: 1px solid black;">1</td> <td style="border-bottom: 1px solid black;">Smoke between MH rim and asphalt</td> </tr> <tr> <td style="border-bottom: 1px solid black;"> </td> <td style="border-bottom: 1px solid black;"> </td> </tr> <tr> <td style="border-bottom: 1px solid black;"> </td> <td style="border-bottom: 1px solid black;"> </td> </tr> <tr> <td style="border-bottom: 1px solid black;"> </td> <td style="border-bottom: 1px solid black;"> </td> </tr> <tr> <td style="border-bottom: 1px solid black;"> </td> <td style="border-bottom: 1px solid black;"> </td> </tr> </tbody> </table>	<u>No.</u>	<u>Description</u>	1	Smoke between MH rim and asphalt								
<u>No.</u>	<u>Description</u>												
1	Smoke between MH rim and asphalt												

**Comments**

- Smoke was coming up from exterior of manhole TL\_SB1\_3 rim.
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**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing	Heintz St. – Lot #7 Twin Fir Mobile Home Park
Project Name : 100.26	Location / Address: TL_D
Project No. 2-7	Basin: TL_D_6
Report No. Ryan Quigley	MH No. / Main: Monday, October 16, 2017
Tested By:	Date:

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole <b>OCO = Open Cleanout</b> PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;">No.</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Smoke from open cleanout/connection</td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	Smoke from open cleanout/connection								
No.	Description												
1	Smoke from open cleanout/connection												

### Comments

- Mobile home has been removed from Lot #7. Sewer connection wasn't capped and covered with plywood.

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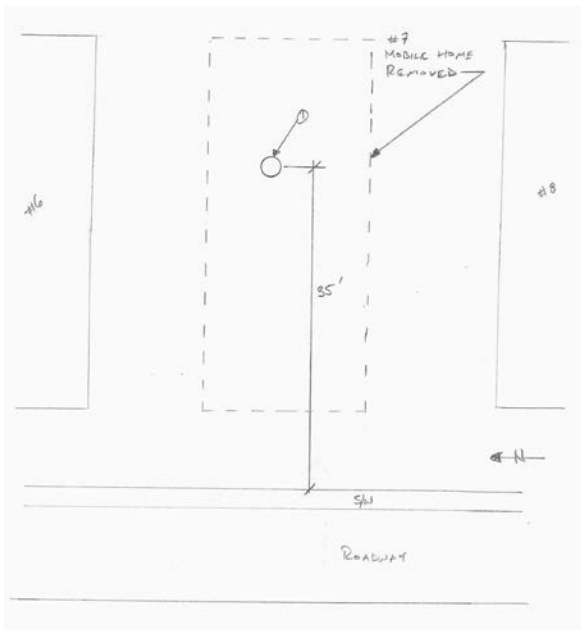


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### SKETCH





# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

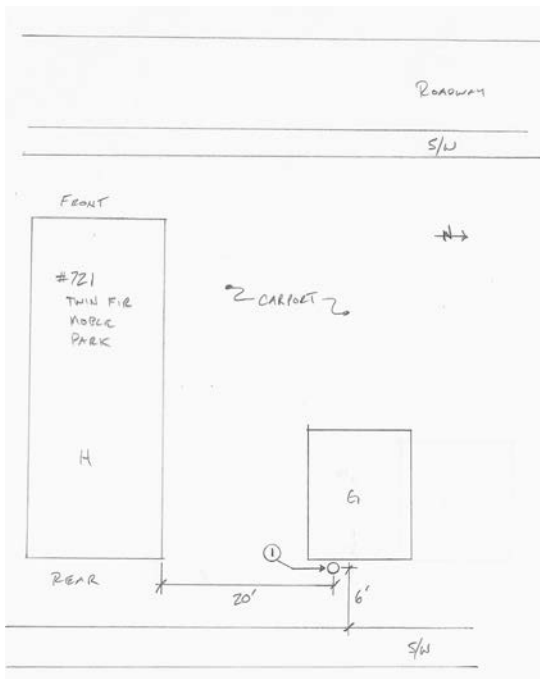
Molalla Smoke Testing		721 Heintz St. (Twin Fir Mobile Home Park)	
Project Name :		Location / Address:	
100.26	2-8	TL	TL_21
Project No.		Basin:	
Report No.		MH No. / Main:	
Ryan Quigley		Monday, October 16, 2017	
Tested By:		Date:	

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole <b>OCO = Open Cleanout</b> PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;">No.</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Smoke from open cleanout/connection</td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	Smoke from open cleanout/connection								
No.	Description												
1	Smoke from open cleanout/connection												

### Comments

- Open sewer connection/cleanout behind garage.
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### SKETCH



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

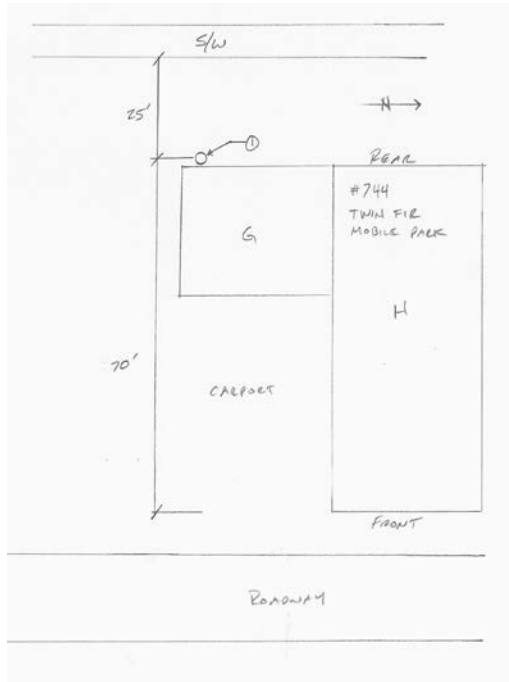
Molalla Smoke Testing		744 Heintz St. (Twin Fir Mobile Home Park)	
Project Name :		Location / Address:	
100.26	2-9	TL	TL_21
Project No.	Report No.	Basin:	MH No. / Main:
Ryan Quigley		Monday, October 16, 2017	
Tested By:		Date:	

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole <b>OCO = Open Cleanout</b> PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;">No.</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Smoke from broken cleanout</td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	Smoke from broken cleanout								
No.	Description												
1	Smoke from broken cleanout												

### Comments

- Broken sewer cleanout cap behind garage.
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### SKETCH



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

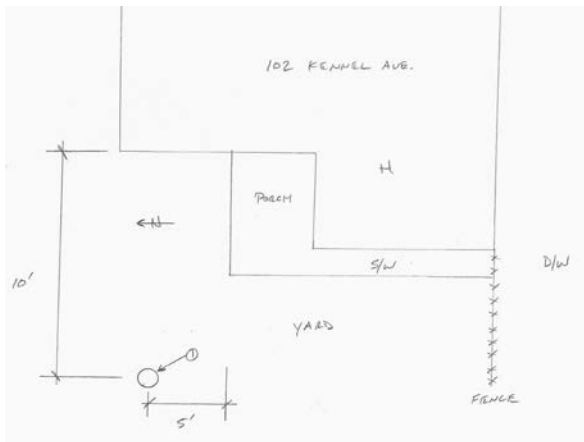
Molalla Smoke Testing	102 Kennel Ave.
Project Name : 100.26	Location / Address: TL_D
Project No.      2-10	Basin:      TL_D_13
Report No.      Ryan Quigley	MH No. / Main: Monday, October 16, 2017
Tested By:	Date:

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole <b>OCO = Open Cleanout</b> PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;">No.</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Smoke from broken cleanout</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	Smoke from broken cleanout								
No.	Description												
1	Smoke from broken cleanout												

**Comments**

- Broken sewer cleanout cap in front yard.
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**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

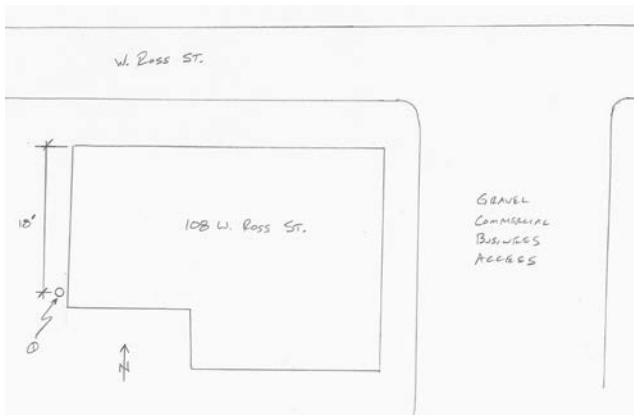
Molalla Smoke Testing	102 W. Ross St.
Project Name : 100.26	Location / Address: TL_D
Project No.                      2-11	Basin:                                      TL_D_13 and TL_D_6
Report No.                      Ryan Quigley	MH No. / Main: Monday, October 16, 2017
Tested By:	Date:

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole <b>OCO = Open Cleanout</b> PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;">No.</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Smoke from broken cleanout</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	Smoke from broken cleanout								
No.	Description												
1	Smoke from broken cleanout												

### Comments

- Cleanout without cap. Covered with cinder block.
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### SKETCH



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing	E. Ross St.
Project Name : 100.26	Location / Address: TL_D
Project No.      2-12	Basin:      TL_D_12
Report No.      Ryan Quigley	MH No. / Main: Monday, October 16, 2017
Tested By:	Date:

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole <b>OCO = Open Cleanout</b> PHV = Plugged House Vent RD = Roof Drain	<table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center; border-bottom: 1px solid black;"><u>No.</u></th> <th style="text-align: center; border-bottom: 1px solid black;"><u>Description</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center; border-bottom: 1px solid black;">1</td> <td style="border-bottom: 1px solid black;">Smoke from mainline cleanout lid</td> </tr> <tr> <td style="border-bottom: 1px solid black;"> </td> <td style="border-bottom: 1px solid black;"> </td> </tr> <tr> <td style="border-bottom: 1px solid black;"> </td> <td style="border-bottom: 1px solid black;"> </td> </tr> <tr> <td style="border-bottom: 1px solid black;"> </td> <td style="border-bottom: 1px solid black;"> </td> </tr> <tr> <td style="border-bottom: 1px solid black;"> </td> <td style="border-bottom: 1px solid black;"> </td> </tr> </tbody> </table>	<u>No.</u>	<u>Description</u>	1	Smoke from mainline cleanout lid								
<u>No.</u>	<u>Description</u>												
1	Smoke from mainline cleanout lid												

**Comments**

- Smoke from cleanout located 80' east of manhole TL\_D\_12.
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**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

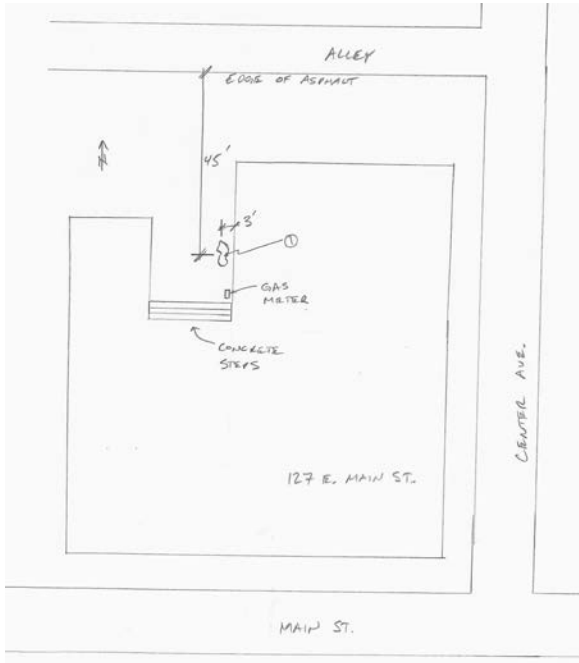
Molalla Smoke Testing	127 E. Main St.	
Project Name :	Location / Address:	
100.26	2-13	TL_D
Project No.	Report No.	Basin:
Ryan Quigley		TL_D_15
Tested By:		MH No. / Main:
		Monday, October 16, 2017
		Date:

TESTING CODE	PHOTOGRAPHS												
<p><b>LSL = Leaking Service Lateral</b></p> <p>LML = Leaking Main Line</p> <p>CB = Catch Basin</p> <p>LMH = Leaking Manhole</p> <p>OCO = Open Cleanout</p> <p>PHV = Plugged House Vent</p> <p>RD = Roof Drain</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">No.</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">Smoke from gravel area behind building</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> </tr> </tbody> </table>	No.	Description	1	Smoke from gravel area behind building								
No.	Description												
1	Smoke from gravel area behind building												

## Comments

- Smoking through the gravel. No sign of a cleanout in the area but possibly buried.
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## SKETCH



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing	211 Center Ave.
Project Name : 100.26	Location / Address: TL_D
Project No.                      2-14	Basin:                                      TL_D_3
Report No.                      2-14	MH No. / Main: Monday, October 16, 2017
Tested By: Ryan Quigley	Date: Monday, October 16, 2017

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin <b>LMH = Leaking Manhole</b> OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center; border-bottom: 1px solid black;">No.</th> <th style="text-align: center; border-bottom: 1px solid black;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center; border-bottom: 1px solid black;">1</td> <td style="border-bottom: 1px solid black;">Smoke between MH rim and asphalt</td> </tr> <tr> <td style="border-bottom: 1px solid black;"> </td> <td style="border-bottom: 1px solid black;"> </td> </tr> <tr> <td style="border-bottom: 1px solid black;"> </td> <td style="border-bottom: 1px solid black;"> </td> </tr> <tr> <td style="border-bottom: 1px solid black;"> </td> <td style="border-bottom: 1px solid black;"> </td> </tr> <tr> <td style="border-bottom: 1px solid black;"> </td> <td style="border-bottom: 1px solid black;"> </td> </tr> </tbody> </table>	No.	Description	1	Smoke between MH rim and asphalt								
No.	Description												
1	Smoke between MH rim and asphalt												

**Comments**

- Smoke coming up from exterior of manhole TL\_D\_3.
- 
- 
- 
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**SKETCH**





# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing	205 Center Ave.
Project Name : 100.26	Location / Address: TL_D
Project No. : Ryan Quigley	Basin: TL_D_2 and TL_D_3
Tested By:	MH No. / Main: Monday, October 16, 2017
	Date: Date:

TESTING CODE	PHOTOGRAPHS														
<p><b>LSL = Leaking Service Lateral</b></p> <p>LML = Leaking Main Line</p> <p>CB = Catch Basin</p> <p>LMH = Leaking Manhole</p> <p>OCO = Open Cleanout</p> <p>PHV = Plugged House Vent</p> <p>RD = Roof Drain</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">No.</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Smoke from under concrete walkway</td> </tr> <tr> <td style="text-align: center;">2</td> <td>Smoke from under concrete walkway</td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	Smoke from under concrete walkway	2	Smoke from under concrete walkway								
No.	Description														
1	Smoke from under concrete walkway														
2	Smoke from under concrete walkway														

## Comments

- A 10' section of concrete walkway on the north side of the residence had smoke coming up on both sides of the walk.

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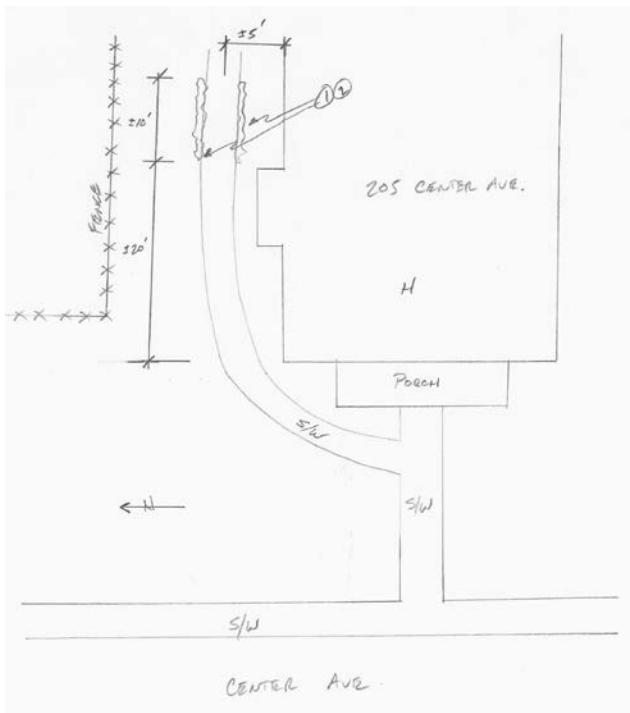


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## SKETCH



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing	E. Heintz St. & Grange Ave.
Project Name : 100.26	Location / Address: TL
Project No.      2-16	Basin:              TL_2
Report No.      Ryan Quigley	MH No. / Main: Monday, October 16, 2017
Tested By:	Date:

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin <b>LMH = Leaking Manhole</b> OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center; border-bottom: 1px solid black;">No.</th> <th style="text-align: center; border-bottom: 1px solid black;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center; border-bottom: 1px solid black;">1</td> <td style="border-bottom: 1px solid black;">Smoke between MH rim and asphalt</td> </tr> <tr> <td style="border-bottom: 1px solid black;"> </td> <td style="border-bottom: 1px solid black;"> </td> </tr> <tr> <td style="border-bottom: 1px solid black;"> </td> <td style="border-bottom: 1px solid black;"> </td> </tr> <tr> <td style="border-bottom: 1px solid black;"> </td> <td style="border-bottom: 1px solid black;"> </td> </tr> <tr> <td style="border-bottom: 1px solid black;"> </td> <td style="border-bottom: 1px solid black;"> </td> </tr> </tbody> </table>	No.	Description	1	Smoke between MH rim and asphalt								
No.	Description												
1	Smoke between MH rim and asphalt												

**Comments**

- Smoke coming up from exterior of manhole TL \_2.
- 
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- 
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**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing	Grange Ave.		
Project Name :	Location / Address:		
100.26	2-17	TL	TL_2 and TL_5
Project No.	Report No.	Basin:	MH No. / Main:
Ryan Quigley			Monday, October 16, 2017
Tested By:			Date:

TESTING CODE	PHOTOGRAPHS
LSL = Leaking Service Lateral	<u>No.</u> <u>Description</u>
LML = Leaking Main Line	1                      Near 150 Grange Ave. – west side of road
<b>CB = Catch Basin</b>	2                      Near 139 Grange Ave. – east side of road
LMH = Leaking Manhole	3                      Near 122 Grange Ave. – west side of road
OCO = Open Cleanout	4                      Near 127 Grange Ave. – east side of road
PHV = Plugged House Vent	_____
RD = Roof Drain	_____

## Comments

- Smoke was coming from the city storm system catch basins on Grange Ave.
- See attached aerial for catch basin locations and pictures.
- 
- 
- 

## SKETCH

See Attached

Molalla Smoke Testing  
Report No. 2-17  
Grange Ave.



No. 1



No. 2



No. 3



No. 4

# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

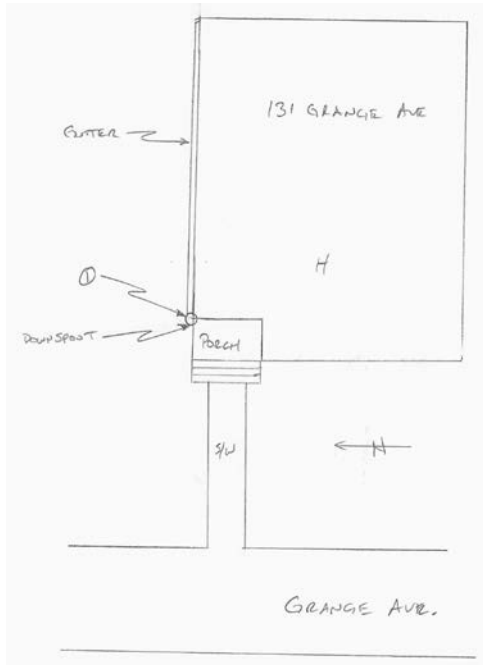
Molalla Smoke Testing	131 Grange Ave.
Project Name : 100.26	Location / Address: TL
Project No.      2-18	Basin:      TL_5 – TL_18
Report No.      Ryan Quigley	MH No. / Main: Monday, October 16, 2017
Tested By:	Date:

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole OCO = Open Cleanout PHV = Plugged House Vent <b>RD = Roof Drain</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;">No.</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Smoke from house gutter</td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	Smoke from house gutter								
No.	Description												
1	Smoke from house gutter												

### Comments

- Smoke coming from gutter/downspout on northwest corner of house.
- 
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### SKETCH



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

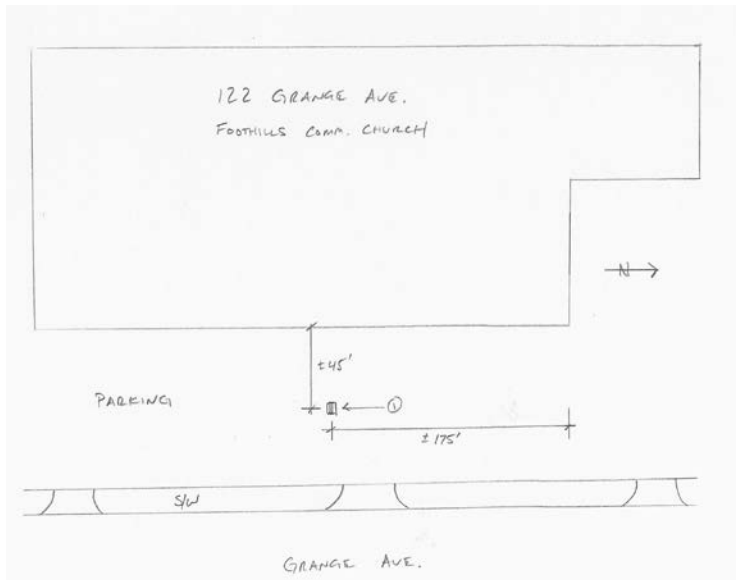
Molalla Smoke Testing	122 Grange Ave.
Project Name : 100.26	Location / Address: TL
Project No.      2-19	Basin:      TL_5 and TL_18
Report No.      Ryan Quigley	MH No. / Main: Monday, October 16, 2017
Tested By:	Date:

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line <b>CB = Catch Basin</b> LMH = Leaking Manhole OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;">No.</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Smoke from parking lot catch basin</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	Smoke from parking lot catch basin								
No.	Description												
1	Smoke from parking lot catch basin												

## Comments

- Small amount of smoke coming from the parking lot catch basin.
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## SKETCH





# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing	120 Fenton Ave.
Project Name : 100.26	Location / Address: TL_B
Project No. : Ryan Quigley	Basin: TL_B_21 and TL_B_22
Tested By:	MH No. / Main: Monday, October 16, 2017
	Date: Date:

TESTING CODE	PHOTOGRAPHS														
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole <b>OCO = Open Cleanout</b> PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;">No.</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Smoke from cleanout</td> </tr> <tr> <td style="text-align: center;">2</td> <td>Smoke from cleanout</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	Smoke from cleanout	2	Smoke from cleanout								
No.	Description														
1	Smoke from cleanout														
2	Smoke from cleanout														

### Comments

- Smoke from cleanout area. It appears the area is currently under repair/construction.

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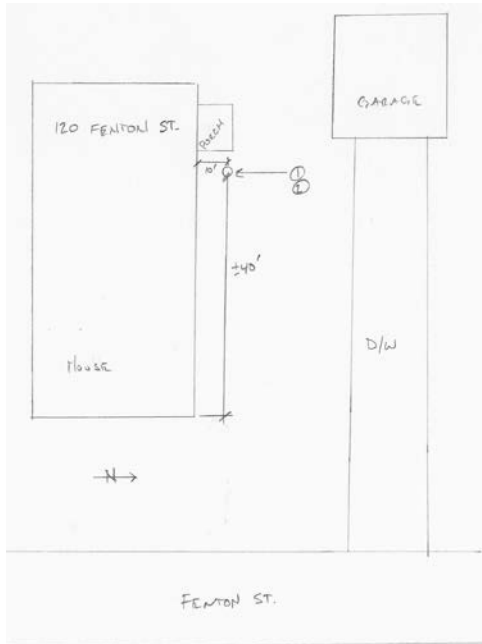


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### SKETCH





# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing	Kimberly Ct.
Project Name : 100.26	Location / Address: TL_B
Project No. 2-21	Basin: TL_B_23
Report No. Ryan Quigley	MH No. / Main: Monday, October 16, 2017
Tested By:	Date:

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin <b>LMH = Leaking Manhole</b> OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center; border-bottom: 1px solid black;">No.</th> <th style="text-align: center; border-bottom: 1px solid black;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="border-bottom: 1px solid black;">Smoke between MH rim and asphalt</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="border-bottom: 1px solid black;"> </td> </tr> <tr> <td style="text-align: center;"> </td> <td style="border-bottom: 1px solid black;"> </td> </tr> <tr> <td style="text-align: center;"> </td> <td style="border-bottom: 1px solid black;"> </td> </tr> <tr> <td style="text-align: center;"> </td> <td style="border-bottom: 1px solid black;"> </td> </tr> </tbody> </table>	No.	Description	1	Smoke between MH rim and asphalt								
No.	Description												
1	Smoke between MH rim and asphalt												

**Comments**

- Smoke coming up from the exterior of manhole TL\_B\_23.
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**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

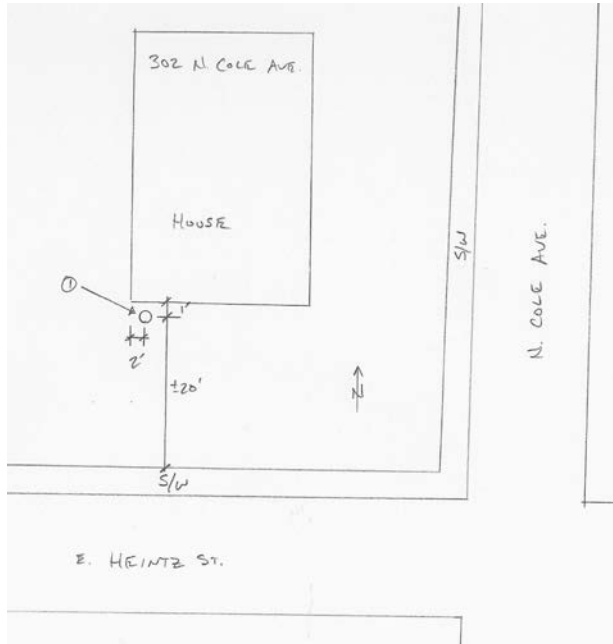
Molalla Smoke Testing	302 N. Cole Ave.
Project Name : 100.26	Location / Address: TL_B
Project No.                      2-22	Basin:                                      TL_B_1 and TL_B_16
Report No.                      Ryan Quigley	MH No. / Main: Monday, October 16, 2017
Tested By:	Date:

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole <b>OCO = Open Cleanout</b> PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;">No.</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Smoke from broken cleanout cap</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	Smoke from broken cleanout cap								
No.	Description												
1	Smoke from broken cleanout cap												

## Comments

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## SKETCH



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

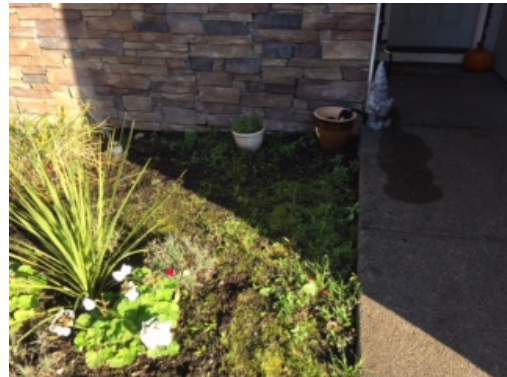
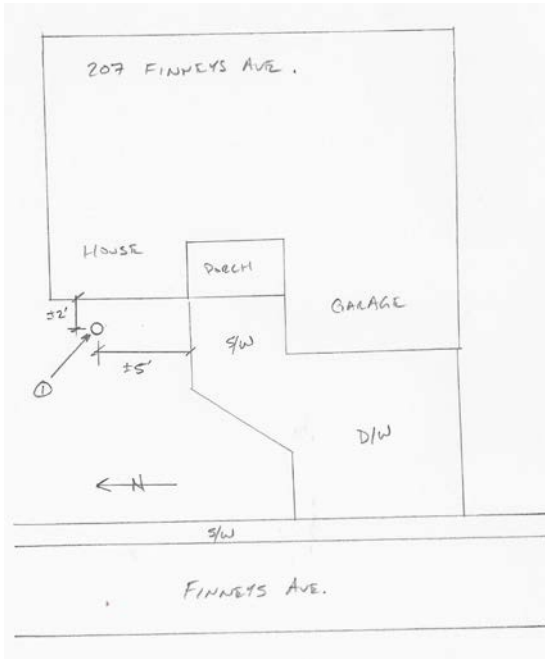
Molalla Smoke Testing	207 Finneys Ave.
Project Name : 100.26	Location / Address: TL_B
Project No. : 2-23	Basin: TL_B_1 and TL_B_16
Report No. : Ryan Quigley	MH No. / Main: Monday, October 16, 2017
Tested By:	Date:

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole <b>OCO = Open Cleanout</b> PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;">No.</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Smoke from broken cleanout cap</td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	Smoke from broken cleanout cap								
No.	Description												
1	Smoke from broken cleanout cap												

## Comments

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## SKETCH



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing	Heintz St. & N. Cole Ave.
Project Name : 100.26	Location / Address: TL_B
Project No. 2-24	Basin: TL_B_1
Report No. Ryan Quigley	MH No. / Main: Monday, October 16, 2017
Tested By:	Date:

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin <b>LMH = Leaking Manhole</b> OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;"><u>No.</u></th> <th style="text-align: center;"><u>Description</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">Smoke between MH rim and asphalt</td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> </tr> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> </tr> </tbody> </table>	<u>No.</u>	<u>Description</u>	1	Smoke between MH rim and asphalt								
<u>No.</u>	<u>Description</u>												
1	Smoke between MH rim and asphalt												

**Comments**

- Smoke coming from exterior of manhole TL\_B\_1.
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**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing	Park Pl.
Project Name : 100.26	Location / Address: TL_B
Project No. 2-25	Basin: TL_B_8
Report No. Ryan Quigley	MH No. / Main: Monday, October 16, 2017
Tested By:	Date:

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole <b>OCO = Open Cleanout</b> PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;"><u>No.</u></th> <th style="text-align: center;"><u>Description</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Smoke from mainline cleanout</td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> </tbody> </table>	<u>No.</u>	<u>Description</u>	1	Smoke from mainline cleanout								
<u>No.</u>	<u>Description</u>												
1	Smoke from mainline cleanout												

**Comments**

- Smoke coming from mainline cleanout in Park Pl. cul-de-sac.
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**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing	N. Cole Ave.
Project Name : 100.26	Location / Address: TL_B
Project No. 2-26	Basin: TL_B_31
Report No. Ryan Quigley	MH No. / Main: Monday, October 16, 2017
Tested By:	Date:

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole <b>OCO = Open Cleanout</b> PHV = Plugged House Vent RD = Roof Drain	<table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center; width: 15%;"><u>No.</u></th> <th style="text-align: center;"><u>Description</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Smoke from mainline cleanout</td> </tr> <tr> <td style="text-align: center;">_____</td> <td>_____</td> </tr> <tr> <td style="text-align: center;">_____</td> <td>_____</td> </tr> <tr> <td style="text-align: center;">_____</td> <td>_____</td> </tr> <tr> <td style="text-align: center;">_____</td> <td>_____</td> </tr> </tbody> </table>	<u>No.</u>	<u>Description</u>	1	Smoke from mainline cleanout	_____	_____	_____	_____	_____	_____	_____	_____
<u>No.</u>	<u>Description</u>												
1	Smoke from mainline cleanout												
_____	_____												
_____	_____												
_____	_____												
_____	_____												

**Comments**

- Smoke coming from mainline cleanout 15' south of manhole TL\_B\_31.
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing	704 Patrol St.	
Project Name :	Location / Address:	
100.26	2-27	TL_B
Project No.	Report No.	Basin:
Ryan Quigley		TL_B_2 and TL_B_5
Tested By:		MH No. / Main:
		Monday, October 16, 2017
		Date:

TESTING CODE	PHOTOGRAPHS														
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole <b>OCO = Open Cleanout</b> PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;">No.</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Smoke from cleanout with no cap</td> </tr> <tr> <td style="text-align: center;">2</td> <td>Smoke from cleanout with no cap</td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	Smoke from cleanout with no cap	2	Smoke from cleanout with no cap								
No.	Description														
1	Smoke from cleanout with no cap														
2	Smoke from cleanout with no cap														

## Comments

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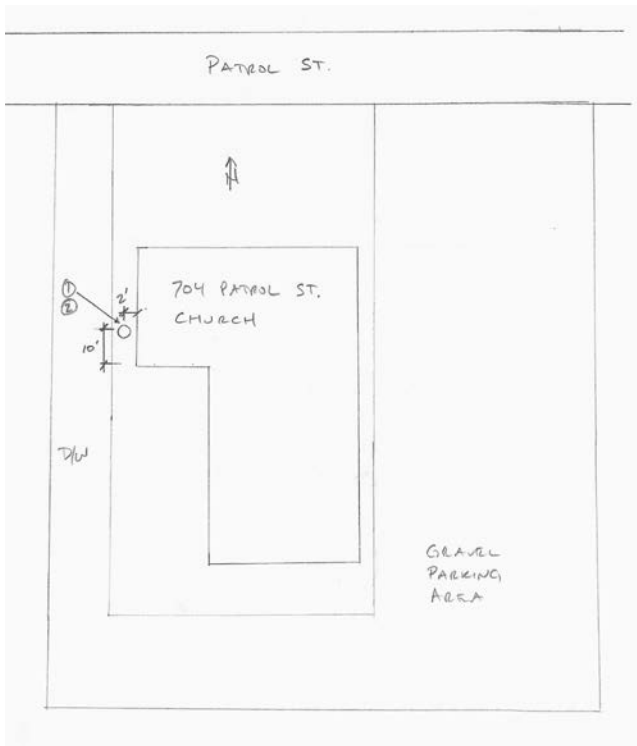
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## SKETCH





# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

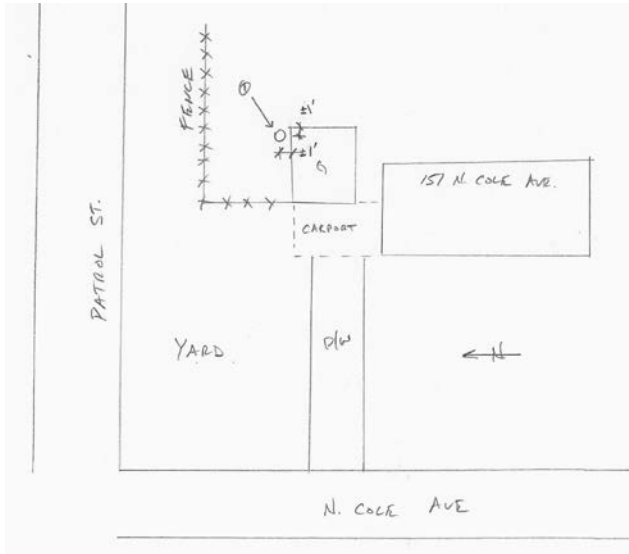
Molalla Smoke Testing	151 N. Cole Ave.
Project Name : 100.26	Location / Address: TL_B
Project No. : Ryan Quigley	Basin: Monday, October 16, 2017
Report No. : 2-28	MH No. / Main: TL_B_2 and TL_B_28
Tested By:	Date:

TESTING CODE	PHOTOGRAPHS														
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole <b>OCO = Open Cleanout</b> PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;">No.</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Smoke from cleanout</td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	Smoke from cleanout										
No.	Description														
1	Smoke from cleanout														

### Comments

- Smoke from cleanout located adjacent to the northeast corner of the garage, behind fence.
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### SKETCH



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing	Patrol St.
Project Name : 100.26	Location / Address: TL_B
Project No.                      2-29	Basin:                                      TL_B_27
Report No.                      Ryan Quigley	MH No. / Main: Monday, October 16, 2017
Tested By:	Date:

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin <b>LMH = Leaking Manhole</b> OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;"><u>No.</u></th> <th style="text-align: center;"><u>Description</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Smoke from side of manhole</td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> </tbody> </table>	<u>No.</u>	<u>Description</u>	1	Smoke from side of manhole								
<u>No.</u>	<u>Description</u>												
1	Smoke from side of manhole												

**Comments**

- Smoke from manhole rim and concrete above grade.
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**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

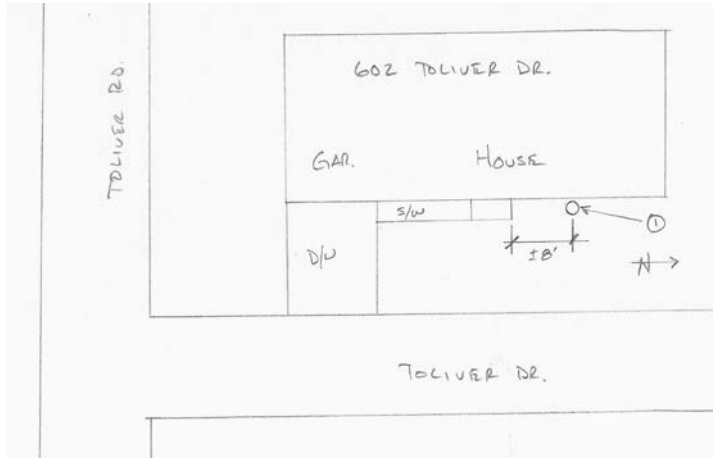
Molalla Smoke Testing	602 Toliver Dr.
Project Name : 100.26	Location / Address: TL
Project No.      2-30	Basin:      TL_21 and TL_SB1_3
Report No.      Ryan Quigley	MH No. / Main: Tuesday, October 17, 2017
Tested By:	Date:

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole <b>OCO = Open Cleanout</b> PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;">No.</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Smoke from broken cleanout cap</td> </tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table>	No.	Description	1	Smoke from broken cleanout cap								
No.	Description												
1	Smoke from broken cleanout cap												

## Comments

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## SKETCH



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing	Toliver Rd. & Toliver Dr.
Project Name : 100.26	Location / Address: TL_21 and TL_SB1_3
Project No.                      2-31	Basin:                                      TL
Report No.                      Ryan Quigley	MH No. / Main: Tuesday, October 17, 2017
Tested By:	Date:

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line <b>CB = Catch Basin</b> LMH = Leaking Manhole OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table border="0" style="width: 100%;"> <thead> <tr> <th style="width: 15%; text-align: center;"><u>No.</u></th> <th style="width: 85%; text-align: center;"><u>Description</u></th> </tr> </thead> <tbody> <tr><td style="border-top: 1px solid black;"> </td><td style="border-top: 1px solid black;"> </td></tr> <tr><td style="border-top: 1px solid black;"> </td><td style="border-top: 1px solid black;"> </td></tr> <tr><td style="border-top: 1px solid black;"> </td><td style="border-top: 1px solid black;"> </td></tr> <tr><td style="border-top: 1px solid black;"> </td><td style="border-top: 1px solid black;"> </td></tr> <tr><td style="border-top: 1px solid black;"> </td><td style="border-top: 1px solid black;"> </td></tr> </tbody> </table>	<u>No.</u>	<u>Description</u>										
<u>No.</u>	<u>Description</u>												

**Comments**

- Smoke was seen from the catch basin on the corner of Toliver Rd. & Toliver Dr. when the smoke testing machine was setup on MH TL\_24 on day one (10/16/17). The catch basin did not produce any smoke when the testing machine was setup on MH TL\_21 on day two (10/17/17), however, there was visible smoke from the culvert west of the Toliver Rd./Toliver Dr. intersection (see report 1-25).
- A TV inspection should be conducted in this area to further investigate the cross connection between the sewer and storm systems.

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**SKETCH**

# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

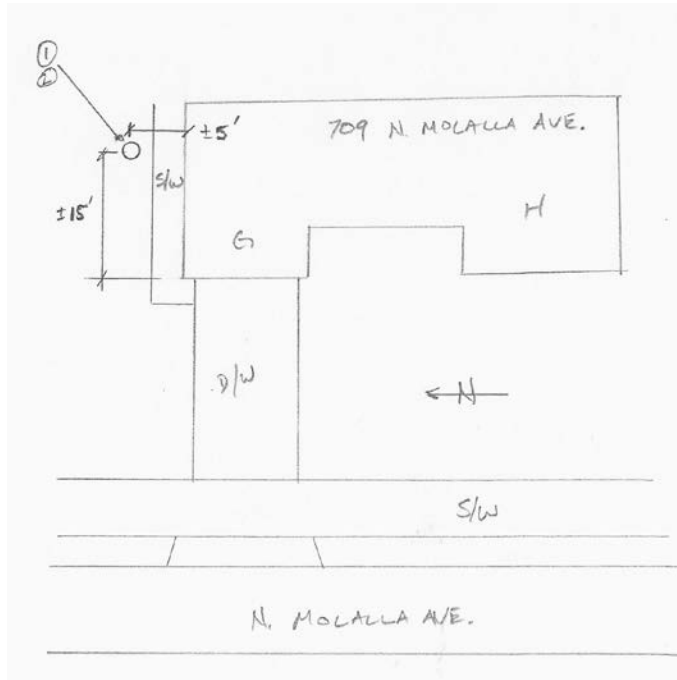
Molalla Smoke Testing	709 N. Molalla Ave.
Project Name : 100.26	Location / Address: TL_C
Project No. : 2-32	Basin: TL_C_22 and TL_C_39
Report No. : Ryan Quigley	MH No. / Main: Tuesday, October 17, 2017
Tested By:	Date:

TESTING CODE	PHOTOGRAPHS
LSL = Leaking Service Lateral	<u>No.</u> <u>Description</u>
LML = Leaking Main Line	1                      Smoke from broken cleanout cap
CB = Catch Basin	2                      Smoke from broken cleanout cap
LMH = Leaking Manhole	_____
<b>OCO = Open Cleanout</b>	_____
PHV = Plugged House Vent	_____
RD = Roof Drain	_____

## Comments

- Broken cleanout cap on north side of garage, adjacent to concrete sidewalk.
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## SKETCH



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

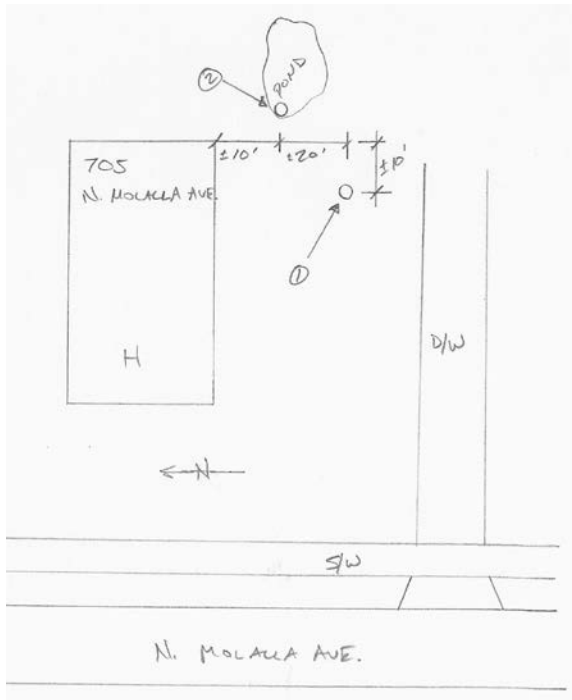
Molalla Smoke Testing	705 N. Molalla Ave.
Project Name : 100.26	Location / Address: TL_C
Project No.                      2-33	Basin:                                      TL_C_22 and TL_C_39
Report No.                      Ryan Quigley	MH No. / Main: Tuesday, October 17, 2017
Tested By:	Date:

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole <b>OCO = Open Cleanout</b> PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">No.</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Smoke from broken cleanout cap</td> </tr> <tr> <td style="text-align: center;">2</td> <td>Smoke from broken cleanout cap</td> </tr> <tr> <td style="text-align: center;">3</td> <td>Smoke from landscape pond</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	Smoke from broken cleanout cap	2	Smoke from broken cleanout cap	3	Smoke from landscape pond				
No.	Description												
1	Smoke from broken cleanout cap												
2	Smoke from broken cleanout cap												
3	Smoke from landscape pond												

## Comments

- Broken cleanout cap on south side of house, between house and driveway.
- Smoke from landscape pond overflow pipe. Pond is southeast of house.
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## SKETCH



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing	Frances St.	
Project Name : 100.26	2-34	Location / Address: TL_C
Project No. Ryan Quigley	Report No.	Basin: TL_C_16
Tested By:		MH No. / Main: Tuesday, October 17, 2017
		Date:

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin <b>LMH = Leaking Manhole</b> OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center; border-bottom: 1px solid black;">No.</th> <th style="text-align: center; border-bottom: 1px solid black;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center; border-bottom: 1px solid black;">1</td> <td style="border-bottom: 1px solid black;">Smoke between MH rim and asphalt</td> </tr> <tr> <td style="border-bottom: 1px solid black;"> </td> <td style="border-bottom: 1px solid black;"> </td> </tr> <tr> <td style="border-bottom: 1px solid black;"> </td> <td style="border-bottom: 1px solid black;"> </td> </tr> <tr> <td style="border-bottom: 1px solid black;"> </td> <td style="border-bottom: 1px solid black;"> </td> </tr> <tr> <td style="border-bottom: 1px solid black;"> </td> <td style="border-bottom: 1px solid black;"> </td> </tr> </tbody> </table>	No.	Description	1	Smoke between MH rim and asphalt								
No.	Description												
1	Smoke between MH rim and asphalt												

**Comments**

- Smoke coming up from exterior of manhole TL\_C\_16.
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**SKETCH**





# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing	Frances St.	
Project Name : 100.26	2-35	Location / Address: TL_C
Project No. Ryan Quigley	Report No.	Basin: TL_C_34
Tested By:		MH No. / Main: Tuesday, October 17, 2017
		Date:

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin <b>LMH = Leaking Manhole</b> OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;"><u>No.</u></th> <th style="text-align: center;"><u>Description</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Smoke between MH rim and asphalt</td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> </tbody> </table>	<u>No.</u>	<u>Description</u>	1	Smoke between MH rim and asphalt								
<u>No.</u>	<u>Description</u>												
1	Smoke between MH rim and asphalt												

**Comments**

- Smoke coming up from exterior of manhole TL\_C\_34.
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**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

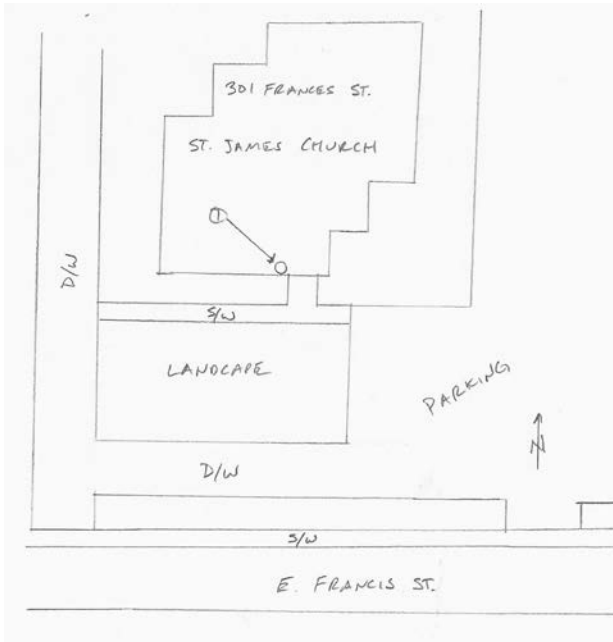
Molalla Smoke Testing	St. James Church
Project Name : 100.26	Location / Address: TL_C
Project No. : 2-36	Basin: TL_C_34 and TL_C_29
Report No. : Ryan Quigley	MH No. / Main: Tuesday, October 17, 2017
Tested By:	Date:

TESTING CODE	PHOTOGRAPHS														
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole OCO = Open Cleanout PHV = Plugged House Vent <b>RD = Roof Drain</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;">No.</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Smoke from gutter/downspout</td> </tr> <tr> <td style="text-align: center;">2</td> <td>Smoke from gutter/downspout</td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	Smoke from gutter/downspout	2	Smoke from gutter/downspout								
No.	Description														
1	Smoke from gutter/downspout														
2	Smoke from gutter/downspout														

### Comments

- Smoke coming from gutter on the south side of the main church building.
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### SKETCH



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing	Molalla High School
Project Name : 100.26	Location / Address: TL_C
Project No. : 2-37	Basin: TL_C_34 and TL_C_29
Report No. : Ryan Quigley	MH No. / Main: Tuesday, October 17, 2017
Tested By:	Date:

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole <b>OCO = Open Cleanout</b> PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;">No.</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Smoke from parking lot cleanout</td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	Smoke from parking lot cleanout								
No.	Description												
1	Smoke from parking lot cleanout												

### Comments

- Smoke coming from cleanout in the southwest parking lot of Molalla High School.
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### SKETCH



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

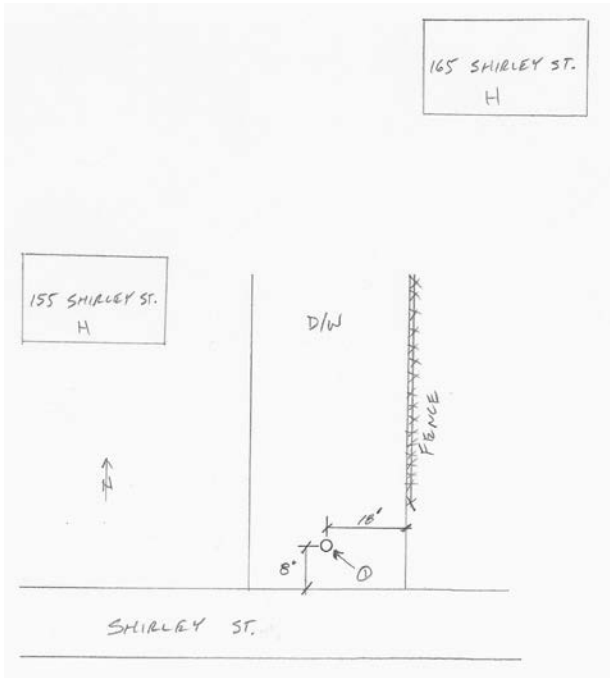
Molalla Smoke Testing	165 Shirley St.	
Project Name :	Location / Address:	
100.26	2-38	TL_C
Project No.	Report No.	Basin:
Ryan Quigley	Tuesday, October 17, 2017	MH No. / Main:
Tested By:	Date:	

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole <b>OCO = Open Cleanout</b> PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;">No.</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Smoke from driveway cleanout</td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	Smoke from driveway cleanout								
No.	Description												
1	Smoke from driveway cleanout												

## Comments

- Smoke coming from cleanout in the driveway serving flag lots at 165 Shirley St.
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## SKETCH



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

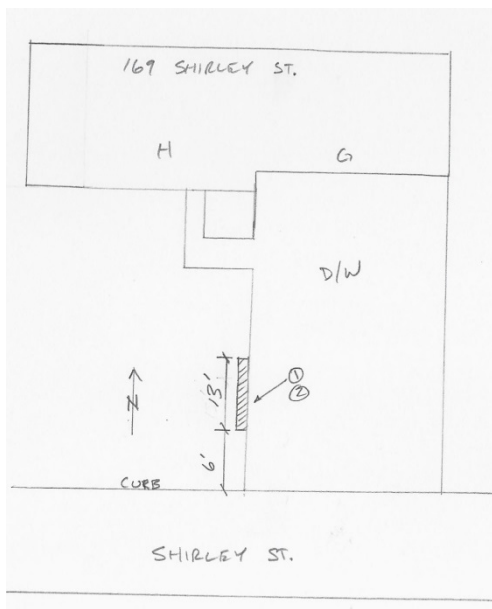
Molalla Smoke Testing	169 Shirley St.	
Project Name :	Location / Address:	
100.26	2-39	TL_C TL_C_18 and TL_C_19
Project No.	Report No.	Basin:
Ryan Quigley	Tuesday, October 17, 2017	MH No. / Main:
Tested By:	Date:	

TESTING CODE	PHOTOGRAPHS												
<p><b>LSL = Leaking Service Lateral</b></p> <p>LML = Leaking Main Line</p> <p>CB = Catch Basin</p> <p>LMH = Leaking Manhole</p> <p>OCO = Open Cleanout</p> <p>PHV = Plugged House Vent</p> <p>RD = Roof Drain</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">No.</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Smoke from west edge of driveway</td> </tr> <tr> <td style="text-align: center;">2</td> <td>Smoke from west edge of driveway</td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	Smoke from west edge of driveway	2	Smoke from west edge of driveway						
No.	Description												
1	Smoke from west edge of driveway												
2	Smoke from west edge of driveway												

## Comments

- Smoke coming up from a 13' section of the driveway edge.
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## SKETCH



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

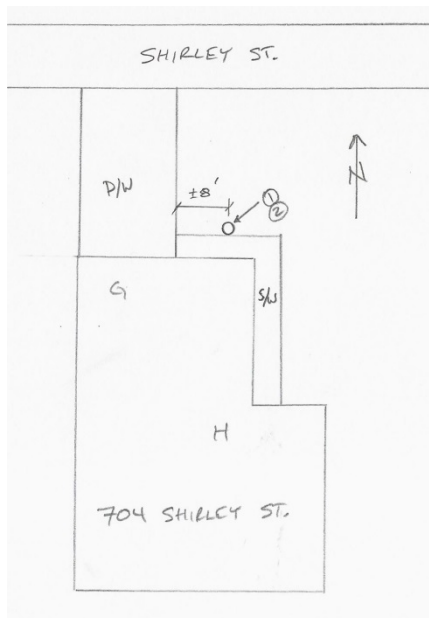
Molalla Smoke Testing	704 Shirley St.	
Project Name :	Location / Address:	
100.26	2-40	TL_C 5 and TL_C_6
Project No.	Report No.	Basin:
Ryan Quigley	Tuesday, October 17, 2017	MH No. / Main:
Tested By:	Date:	

TESTING CODE	PHOTOGRAPHS														
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole <b>OCO = Open Cleanout</b> PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;"><u>No.</u></th> <th style="text-align: center;"><u>Description</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Smoke from broken cleanout cap</td> </tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table>	<u>No.</u>	<u>Description</u>	1	Smoke from broken cleanout cap										
<u>No.</u>	<u>Description</u>														
1	Smoke from broken cleanout cap														

**Comments**

- .Smoke from broken cleanout cap, located next to concrete walkway, under planter.
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**SKETCH**





# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing	Molalla Buckaroo Grounds
Project Name : 100.26	Location / Address: TL_C 3 and TL_C_27
Project No. 2-41	Basin: TL_C
Report No. Ryan Quigley	MH No. / Main: Tuesday, October 17, 2017
Tested By:	Date:

TESTING CODE	PHOTOGRAPHS														
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole <b>OCO = Open Cleanout</b> PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;"><u>No.</u></th> <th style="text-align: center;"><u>Description</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Smoke from broken cleanout cap</td> </tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table>	<u>No.</u>	<u>Description</u>	1	Smoke from broken cleanout cap										
<u>No.</u>	<u>Description</u>														
1	Smoke from broken cleanout cap														

**Comments**

- Smoke from broken cleanout cap inside a water meter box. Cleanout is located on the north east side of the gravel parking area.
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**SKETCH**





# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing	Eckerd Ave.		
Project Name :	Location / Address:		
100.26	2-42	TL_A	TL_A_18 and TL_A_21
Project No.	Report No.	Basin:	MH No. / Main:
Ryan Quigley			Tuesday, October 17, 2017
Tested By:			Date:

TESTING CODE	PHOTOGRAPHS
LSL = Leaking Service Lateral	<u>No.</u> <u>Description</u>
LML = Leaking Main Line	1                      Smoke from catch basin/curb
<b>CB = Catch Basin</b>	2                      Smoke from catch basin/curb
LMH = Leaking Manhole	
OCO = Open Cleanout	
PHV = Plugged House Vent	
RD = Roof Drain	

**Comments**

- Smoke coming from catch basin and crack in the concrete curb behind the catch basin on the east side of Eckerd Ave, approximately 75' south of manhole TL\_A\_21.

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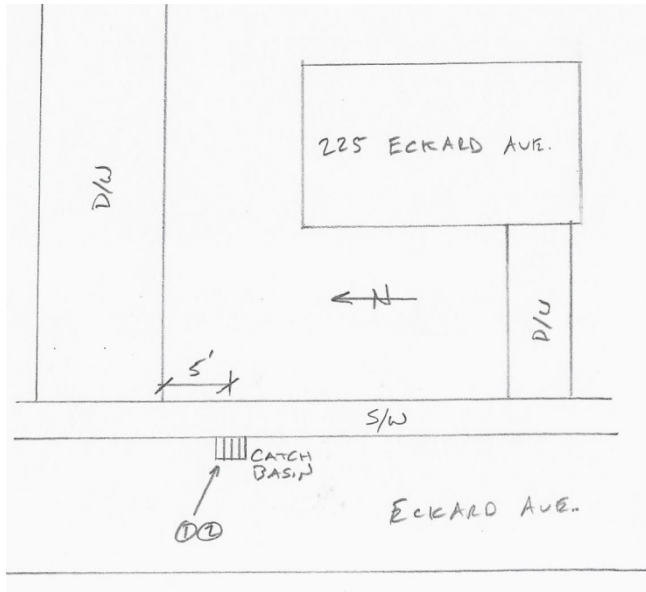


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**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

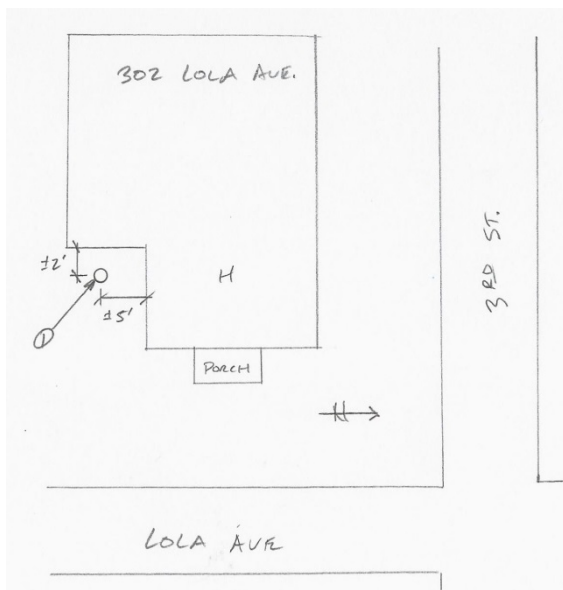
Molalla Smoke Testing	302 Lola Ave.	
Project Name :	Location / Address:	
100.26	2-43	TL_A
Project No.	Report No.	Basin:
Ryan Quigley		TL_A_22 and TL_A_19
Tested By:		MH No. / Main:
		Tuesday, October 17, 2017
		Date:

TESTING CODE	PHOTOGRAPHS														
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole <b>OCO = Open Cleanout</b> PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;">No.</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Smoke from cleanout area</td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	Smoke from cleanout area										
No.	Description														
1	Smoke from cleanout area														

### Comments

- Smoke from cleanout area. Could not confirm if the cap was broken or missing.
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### SKETCH



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

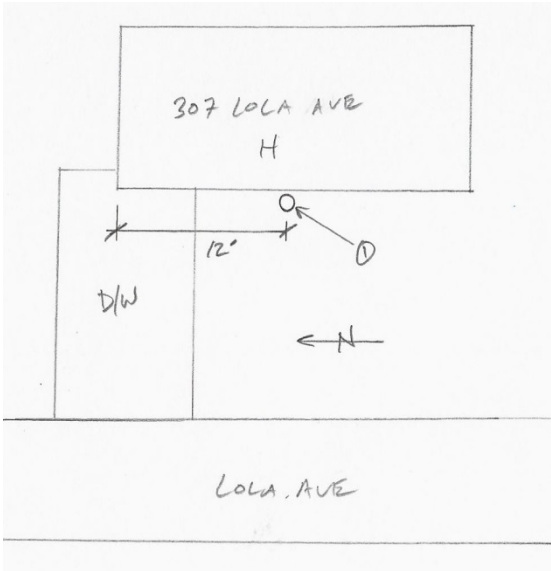
Molalla Smoke Testing	307 Lola Ave.	
Project Name :	Location / Address:	
100.26	2-44	TL_A
Project No.	Report No.	Basin:
Ryan Quigley		TL_A_22 and TL_A_19
Tested By:		MH No. / Main:
		Tuesday, October 17, 2017
		Date:

TESTING CODE	PHOTOGRAPHS														
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole <b>OCO = Open Cleanout</b> PHV = Plugged House Vent RD = Roof Drain	<table border="0" style="width: 100%;"> <thead> <tr> <th style="text-align: center; width: 15%;"><u>No.</u></th> <th style="text-align: center;"><u>Description</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Smoke from broken cleanout cap</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	<u>No.</u>	<u>Description</u>	1	Smoke from broken cleanout cap										
<u>No.</u>	<u>Description</u>														
1	Smoke from broken cleanout cap														

**Comments**

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**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing	3 <sup>rd</sup> & Lola Ave.	
Project Name :	Location / Address:	
100.26	2-45	TL_A
Project No.	Report No.	Basin:
Ryan Quigley	TL_A_19	MH No. / Main:
Tested By:	Tuesday, October 17, 2017	Date:

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line <b>CB = Catch Basin</b> LMH = Leaking Manhole OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;">No.</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Smoke from catch basin</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	Smoke from catch basin								
No.	Description												
1	Smoke from catch basin												

### Comments

- Smoke from CB at the south east corner of Lola Ave. and 3<sup>rd</sup> St. intersection, with smoke machine setup on manhole TL\_A\_19.

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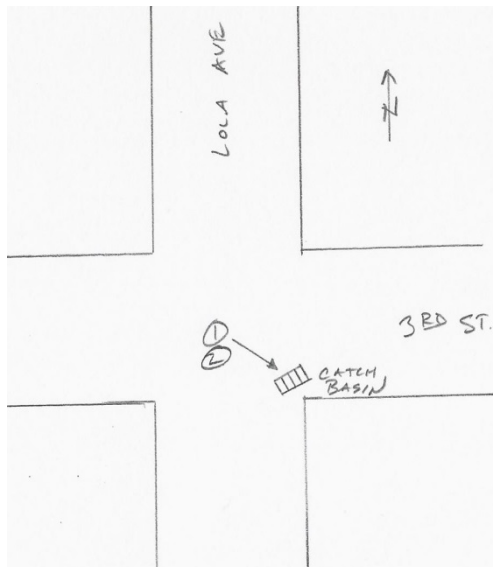


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### SKETCH



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

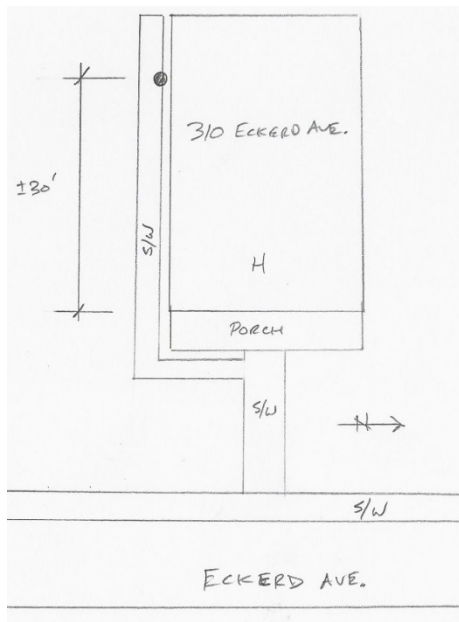
Molalla Smoke Testing	310 Eckerd Ave.	
Project Name :	Location / Address:	
100.26	2-46	TL_A
Project No.	Report No.	Basin:
Ryan Quigley		TL_A_17 and TL_A_18
Tested By:		MH No. / Main:
		Tuesday, October 17, 2017
		Date:

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole <b>OCO = Open Cleanout</b> PHV = Plugged House Vent RD = Roof Drain	<table border="0" style="width: 100%;"> <thead> <tr> <th style="text-align: center; width: 15%;"><u>No.</u></th> <th style="text-align: center;"><u>Description</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Smoke from cleanout area</td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> </tbody> </table>	<u>No.</u>	<u>Description</u>	1	Smoke from cleanout area								
<u>No.</u>	<u>Description</u>												
1	Smoke from cleanout area												

**Comments**

- Smoke from cleanout area. Could not confirm if the cap was broken or missing.
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**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing	Eckerd Ave. – MHS Football Field
Project Name : 100.26	Location / Address: TL_A TL_A_17 and TL_A_18
Project No. Ryan Quigley	Report No. 2-47
Tested By:	Basin: MH No. / Main: Tuesday, October 17, 2017
	Date: Date:

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral <b>LML = Leaking Main Line</b> CB = Catch Basin LMH = Leaking Manhole OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">No.</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Smoke from bottom/west side of ditch</td> </tr> <tr> <td style="text-align: center;">2</td> <td>Smoke from bottom/west side of ditch</td> </tr> <tr> <td style="text-align: center;">3</td> <td>Smoke from bottom/west side of ditch</td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	Smoke from bottom/west side of ditch	2	Smoke from bottom/west side of ditch	3	Smoke from bottom/west side of ditch				
No.	Description												
1	Smoke from bottom/west side of ditch												
2	Smoke from bottom/west side of ditch												
3	Smoke from bottom/west side of ditch												

**Comments**

- Smoke from ditch running north/south on east side of Eckerd Ave. Smoke was near the northwest corner of the football field parking lot.
- See attached for pictures.
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**SKETCH**





Molalla Smoke Testing  
Report No. 2-47  
MHS Football Field



No. 1



No. 2



No. 3



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

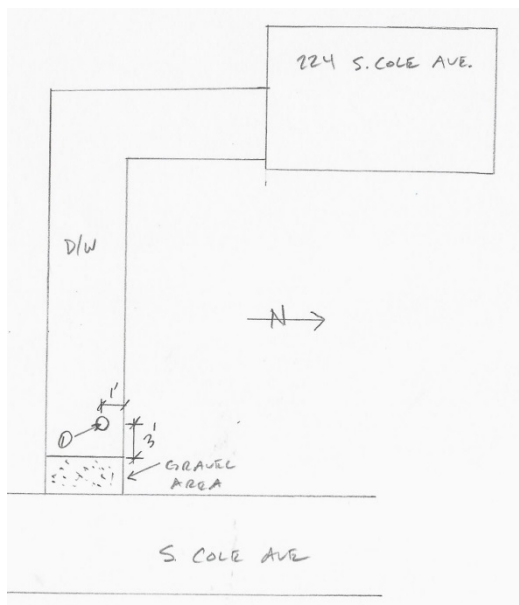
Molalla Smoke Testing	224 S. Cole Ave.
Project Name :	Location / Address:
100.26	2-48
Project No.	Report No.
Ryan Quigley	TL_A
Tested By:	Basin:
	TL_A_2 and TL_A_3
	MH No. / Main:
	Tuesday, October 17, 2017
	Date:

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole <b>OCO = Open Cleanout</b> PHV = Plugged House Vent RD = Roof Drain	<table border="0" style="width: 100%;"> <thead> <tr> <th style="text-align: center; border-bottom: 1px solid black;">No.</th> <th style="text-align: center; border-bottom: 1px solid black;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center; border-bottom: 1px solid black;">1</td> <td style="border-bottom: 1px solid black;">Smoke from driveway cleanout</td> </tr> <tr> <td style="border-bottom: 1px solid black;"> </td> <td style="border-bottom: 1px solid black;"> </td> </tr> <tr> <td style="border-bottom: 1px solid black;"> </td> <td style="border-bottom: 1px solid black;"> </td> </tr> <tr> <td style="border-bottom: 1px solid black;"> </td> <td style="border-bottom: 1px solid black;"> </td> </tr> <tr> <td style="border-bottom: 1px solid black;"> </td> <td style="border-bottom: 1px solid black;"> </td> </tr> </tbody> </table>	No.	Description	1	Smoke from driveway cleanout								
No.	Description												
1	Smoke from driveway cleanout												

### Comments

- Smoke from cleanout in flag lot driveway.
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### SKETCH



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

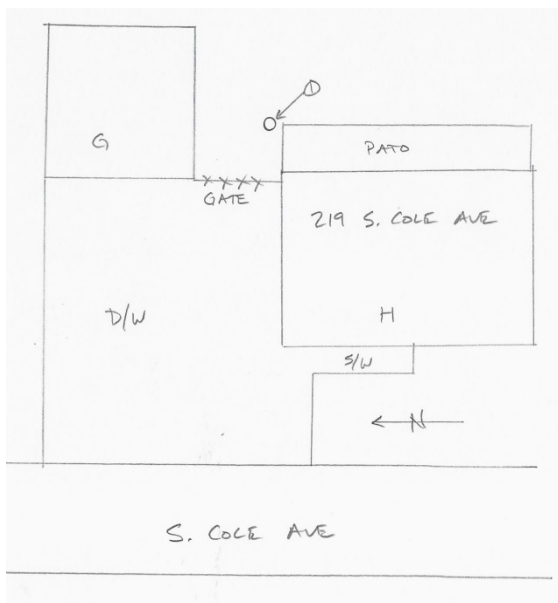
Molalla Smoke Testing	219 S. Cole Ave.	
Project Name :	Location / Address:	
100.26	2-49	TL_A
Project No.	Report No.	Basin:
Ryan Quigley		TL_A_2 and TL_A_3
Tested By:		MH No. / Main:
		Tuesday, October 17, 2017
		Date:

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole <b>OCO = Open Cleanout</b> PHV = Plugged House Vent RD = Roof Drain	<table border="0" style="width: 100%;"> <thead> <tr> <th style="text-align: center; width: 15%;"><u>No.</u></th> <th style="text-align: center;"><u>Description</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Smoke from cleanout area</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	<u>No.</u>	<u>Description</u>	1	Smoke from cleanout area								
<u>No.</u>	<u>Description</u>												
1	Smoke from cleanout area												

### Comments

- Smoke from cleanout area. Could not confirm broken or missing cleanout cap.
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### SKETCH



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

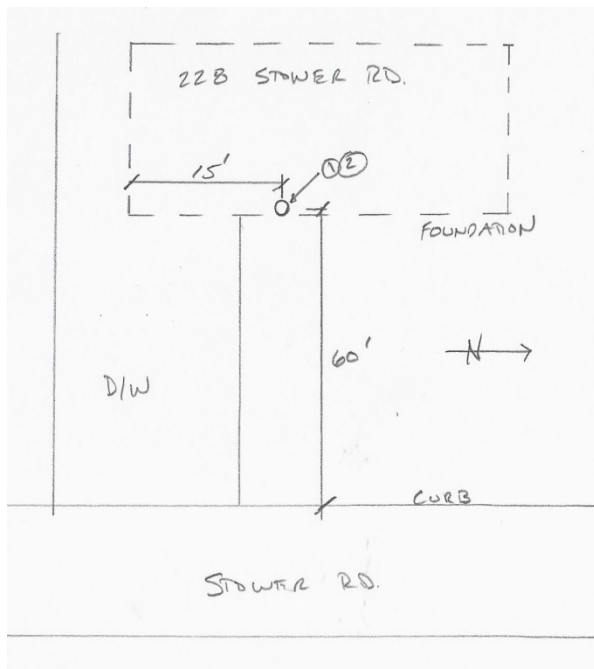
Molalla Smoke Testing	228 Stower Rd.	
Project Name :	Location / Address:	
100.26	2-50	TL_A TL_A_7 and TL_A_8
Project No.	Report No.	Basin:
Ryan Quigley	Tuesday, October 17, 2017	MH No. / Main:
Tested By:	Date:	

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole <b>OCO = Open Cleanout</b> PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;">No.</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Smoke from cleanout/sewer connection</td> </tr> <tr> <td style="text-align: center;">2</td> <td>Smoke from cleanout/sewer connection</td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	Smoke from cleanout/sewer connection	2	Smoke from cleanout/sewer connection						
No.	Description												
1	Smoke from cleanout/sewer connection												
2	Smoke from cleanout/sewer connection												

**Comments**

- House has been removed. Smoke from uncovered sewer connection in foundation.
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**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

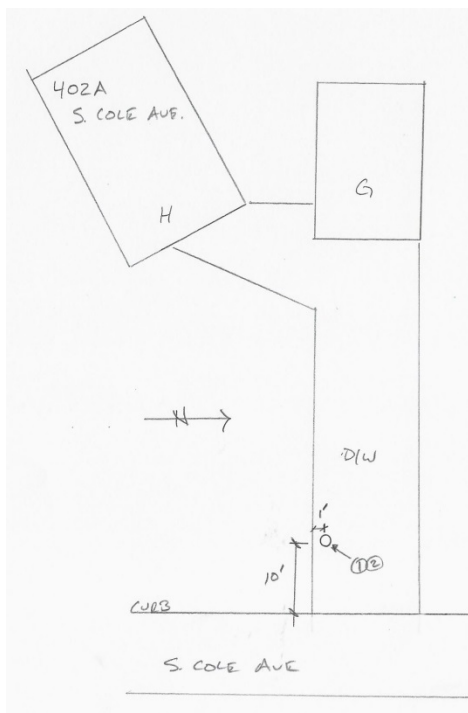
Molalla Smoke Testing	402A S. Cole Rd.	
Project Name :	Location / Address:	
100.26	2-51	TL_A
Project No.	Report No.	Basin:
Ryan Quigley	TL_A_6 and TL_A_8	MH No. / Main:
Tested By:	Tuesday, October 17, 2017	Date:

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole <b>OCO = Open Cleanout</b> PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;">No.</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Smoke from driveway cleanout</td> </tr> <tr> <td style="text-align: center;">2</td> <td>Smoke from driveway cleanout</td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	Smoke from driveway cleanout	2	Smoke from driveway cleanout						
No.	Description												
1	Smoke from driveway cleanout												
2	Smoke from driveway cleanout												

**Comments**

- Smoke from driveway cleanout cover on south side of driveway.
- Smoke is also coming up from edge of asphalt, adjacent to the cleanout cover.
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**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

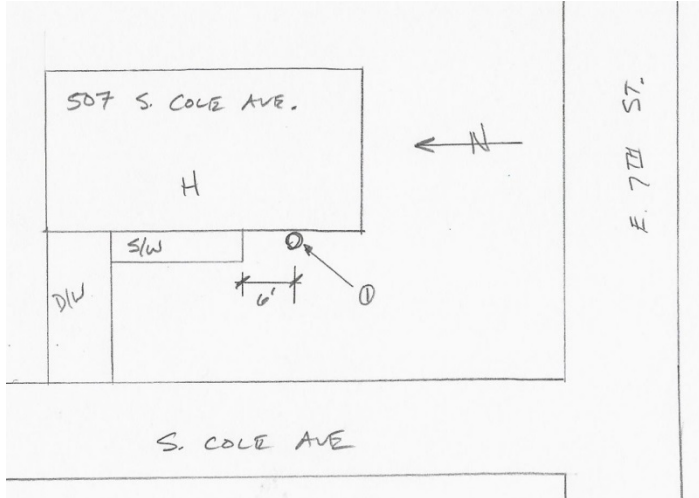
Molalla Smoke Testing	507 S. Cole Rd.	
Project Name :	Location / Address:	
100.26	2-52	TL_A TL_A_4 and TL_A_8
Project No.	Report No.	Basin:
Ryan Quigley		MH No. / Main:
Tested By:		Tuesday, October 17, 2017
		Date:

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole <b>OCO = Open Cleanout</b> PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;">No.</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Smoke from open cleanout</td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	Smoke from open cleanout								
No.	Description												
1	Smoke from open cleanout												

**Comments**

- Smoke from open cleanout, south of front porch, adjacent to front of house.
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**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing	503 Stower Rd.	
Project Name :	Location / Address:	
100.26	2-53	TL_A TL_A_3 and TL_A_4
Project No.	Report No.	Basin:
Ryan Quigley		MH No. / Main:
Tested By:		Tuesday, October 17, 2017
		Date:

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole <b>OCO = Open Cleanout</b> PHV = Plugged House Vent RD = Roof Drain	<table border="0" style="width: 100%;"> <thead> <tr> <th style="text-align: center; width: 15%;"><u>No.</u></th> <th style="text-align: center;"><u>Description</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Smoke from mainline cleanout cover</td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> </tbody> </table>	<u>No.</u>	<u>Description</u>	1	Smoke from mainline cleanout cover								
<u>No.</u>	<u>Description</u>												
1	Smoke from mainline cleanout cover												

**Comments**

- Smoke from mainline cleanout cover on Stower Rd., in front of 503 Stower Rd.
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- 

**SKETCH**





# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

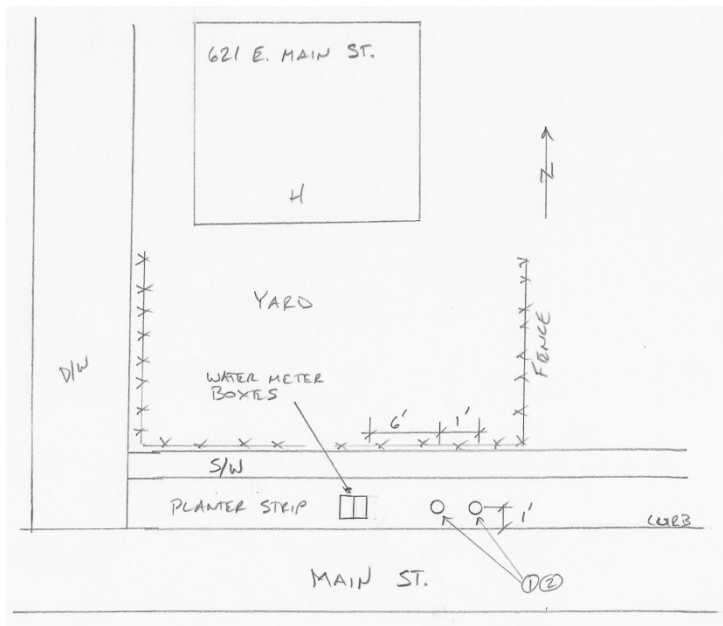
Molalla Smoke Testing	621 Main St.	
Project Name :	Location / Address:	
100.26	2-54	TL_A
Project No.	Report No.	Basin:
Ryan Quigley		TL_A_30 and TL_A_31
Tested By:		MH No. / Main:
		Wednesday, October 18, 2017
		Date:

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole <b>OCO = Open Cleanout</b> PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">No.</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Smoke from two broken cleanout covers</td> </tr> <tr> <td style="text-align: center;">2</td> <td>Smoke from two broken cleanout covers</td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	Smoke from two broken cleanout covers	2	Smoke from two broken cleanout covers						
No.	Description												
1	Smoke from two broken cleanout covers												
2	Smoke from two broken cleanout covers												

### Comments

- Smoke from two, adjacent cleanout covers, in beauty strip grass in front of 621 Main St.
- 
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### SKETCH



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

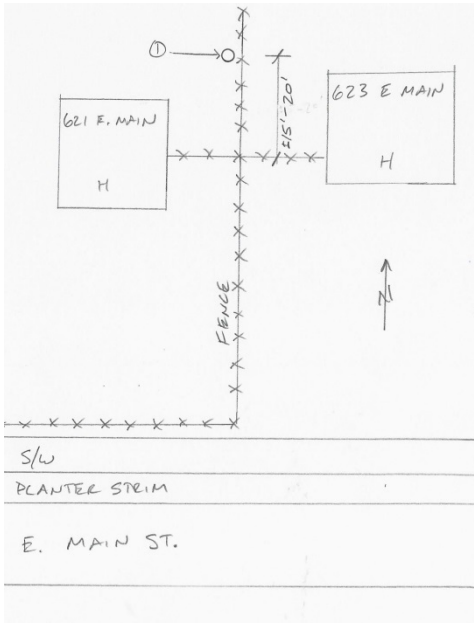
Molalla Smoke Testing	621 and 623 Main St.	
Project Name :	Location / Address:	
100.26	2-55	TL_A
Project No.	Report No.	Basin:
Ryan Quigley	TL_A_30 and TL_A_31	MH No. / Main:
Tested By:	Wednesday, October 18, 2017	Date:

TESTING CODE	PHOTOGRAPHS														
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole <b>OCO = Open Cleanout</b> PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;">No.</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Smoke from cleanout area</td> </tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table>	No.	Description	1	Smoke from cleanout area										
No.	Description														
1	Smoke from cleanout area														

**Comments**

- Smoke from fence line, between backyards of 621 and 623 Main St.
- Could not confirm broken or uncovered cleanout.
- 
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**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing	812 E. Main St.	
Project Name :	Location / Address:	
100.26	2-56	TL_A
Project No.	Report No.	Basin:
Ryan Quigley	TL_A 26 and TL_A 27	MH No. / Main:
Tested By:	Wednesday, October 18, 2017	Date:

TESTING CODE	PHOTOGRAPHS														
<p><b>LSL = Leaking Service Lateral</b></p> <p>LML = Leaking Main Line</p> <p>CB = Catch Basin</p> <p>LMH = Leaking Manhole</p> <p><b>OCO = Open Cleanout</b></p> <p>PHV = Plugged House Vent</p> <p>RD = Roof Drain</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">No.</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1/2</td> <td>Smoke from cleanout area</td> </tr> <tr> <td style="text-align: center;">3</td> <td>Smoke from buried service lateral</td> </tr> <tr> <td style="text-align: center;">4</td> <td>Smoke from open pipe stub</td> </tr> <tr> <td style="text-align: center;">5/6</td> <td>Smoke from buried service lateral</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1/2	Smoke from cleanout area	3	Smoke from buried service lateral	4	Smoke from open pipe stub	5/6	Smoke from buried service lateral				
No.	Description														
1/2	Smoke from cleanout area														
3	Smoke from buried service lateral														
4	Smoke from open pipe stub														
5/6	Smoke from buried service lateral														

## Comments

- See aerial for picture locations.
- No. 2 – Cleanout covered with concrete block and open stub out pipe.
- No. 3 – Smoke from gravel area covering broken service lateral.
- No. 5/6 – Smoke from fence line. Possible broken service lateral under fence line.

## SKETCH





Molalla Smoke Testing  
Report No. 2-56  
812 E. Main St.



No. 1



No. 2



No. 3



No. 4



No. 5



No. 6

# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing	Berkley Ave.	
Project Name : 100.26	Location / Address: BC_A3	BC_A3_12 and BC_A3_14
Project No. Ryan Quigley	Report No. 2-57	Basin: MH No. / Main: Wednesday, October 18, 2017
Tested By:		Date:

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line <b>CB = Catch Basin</b> LMH = Leaking Manhole OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center; border-bottom: 1px solid black;">No.</th> <th style="text-align: center; border-bottom: 1px solid black;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center; border-bottom: 1px solid black;">1</td> <td style="border-bottom: 1px solid black;">Smoke from CB – 2<sup>nd</sup> St. &amp; Berkley Ave.</td> </tr> <tr> <td style="text-align: center; border-bottom: 1px solid black;">2</td> <td style="border-bottom: 1px solid black;">Smoke from CB – Berkley Ave.</td> </tr> <tr> <td style="text-align: center; border-bottom: 1px solid black;">3</td> <td style="border-bottom: 1px solid black;">Smoke from CB – Berkley Ave.</td> </tr> <tr> <td style="text-align: center; border-bottom: 1px solid black;">4</td> <td style="border-bottom: 1px solid black;">Smoke from CB – 3<sup>rd</sup> St. &amp; Berkley Ave.</td> </tr> <tr> <td style="text-align: center; border-bottom: 1px solid black;">5</td> <td style="border-bottom: 1px solid black;">Smoke from CB – 4<sup>th</sup> &amp; Berkley Ave.</td> </tr> </tbody> </table>	No.	Description	1	Smoke from CB – 2 <sup>nd</sup> St. & Berkley Ave.	2	Smoke from CB – Berkley Ave.	3	Smoke from CB – Berkley Ave.	4	Smoke from CB – 3 <sup>rd</sup> St. & Berkley Ave.	5	Smoke from CB – 4 <sup>th</sup> & Berkley Ave.
No.	Description												
1	Smoke from CB – 2 <sup>nd</sup> St. & Berkley Ave.												
2	Smoke from CB – Berkley Ave.												
3	Smoke from CB – Berkley Ave.												
4	Smoke from CB – 3 <sup>rd</sup> St. & Berkley Ave.												
5	Smoke from CB – 4 <sup>th</sup> & Berkley Ave.												

### Comments

- See attached aerial for locations and pictures.
- CB shown in Picture No. 2 is on the east side of Berkley Ave., between 2<sup>nd</sup> and 3<sup>rd</sup> Streets.
- CB shown in Picture No. 3 is on the west side of Berkley Ave., between 2<sup>nd</sup> and 3<sup>rd</sup> Streets.
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### SKETCH

See Attached



Molalla Smoke Testing  
Report No. 2-57  
Berkley Ave.





# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

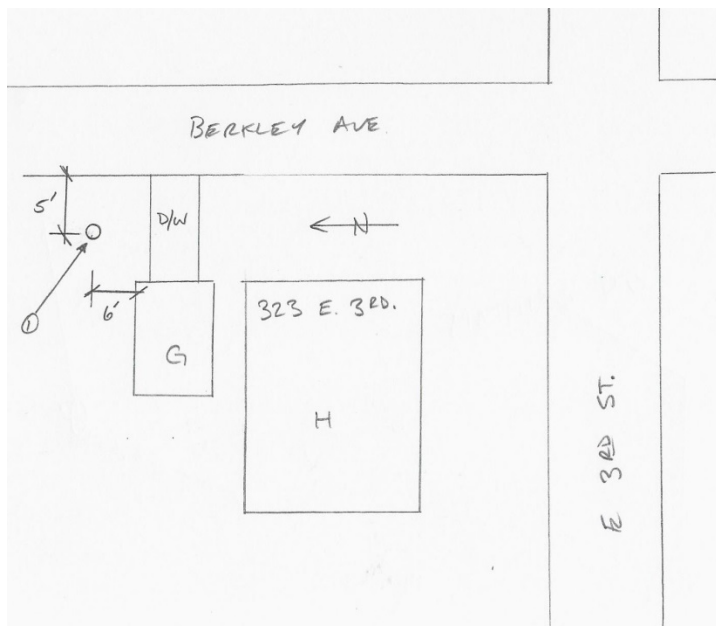
Molalla Smoke Testing	323 E. 3 <sup>rd</sup> St.	
Project Name :	Location / Address:	
100.26	2-58	BC_A3_13 and BC_A3_14
Project No.	Report No.	Basin:
Ryan Quigley	BC_A3	MH No. / Main:
Tested By:	Basin:	Date:
	BC_A3_13 and BC_A3_14	Wednesday, October 18, 2017

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole <b>OCO = Open Cleanout</b> PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;">No.</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Smoke from broken cleanout cap</td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	Smoke from broken cleanout cap								
No.	Description												
1	Smoke from broken cleanout cap												

### Comments

- Broken cleanout cap, located in gravel area under trailer.
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### SKETCH



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing	Swiegle Ave.	
Project Name : 100.26	2-59	Location / Address: BC_A3
Project No. Ryan Quigley	Report No.	Basin: BC_A3_13 and BC_A3_14
Tested By:		MH No. / Main: Wednesday, October 18, 2017
		Date:

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line <b>CB = Catch Basin</b> LMH = Leaking Manhole OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center; width: 15%;"><u>No.</u></th> <th style="text-align: center;"><u>Description</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Smoke from CB – 2<sup>nd</sup> &amp; Swiegle Ave.</td> </tr> <tr> <td style="text-align: center;">2</td> <td>Smoke from CB – 3<sup>rd</sup> &amp; Swiegle Ave.</td> </tr> <tr> <td style="text-align: center;">3</td> <td>Smoke from CB – 4<sup>th</sup> &amp; Swiegle Ave.</td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> </tbody> </table>	<u>No.</u>	<u>Description</u>	1	Smoke from CB – 2 <sup>nd</sup> & Swiegle Ave.	2	Smoke from CB – 3 <sup>rd</sup> & Swiegle Ave.	3	Smoke from CB – 4 <sup>th</sup> & Swiegle Ave.				
<u>No.</u>	<u>Description</u>												
1	Smoke from CB – 2 <sup>nd</sup> & Swiegle Ave.												
2	Smoke from CB – 3 <sup>rd</sup> & Swiegle Ave.												
3	Smoke from CB – 4 <sup>th</sup> & Swiegle Ave.												

**Comments**

- See attached aerial for pictures and locations.
- Storm system manholes on Swiegle Ave., adjacent to catch basins, were also smoking.
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## SKETCH

See Attached

Molalla Smoke Testing  
Report No. 2-59  
Swiegle Ave.



No. 1



No. 2



No. 3

# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

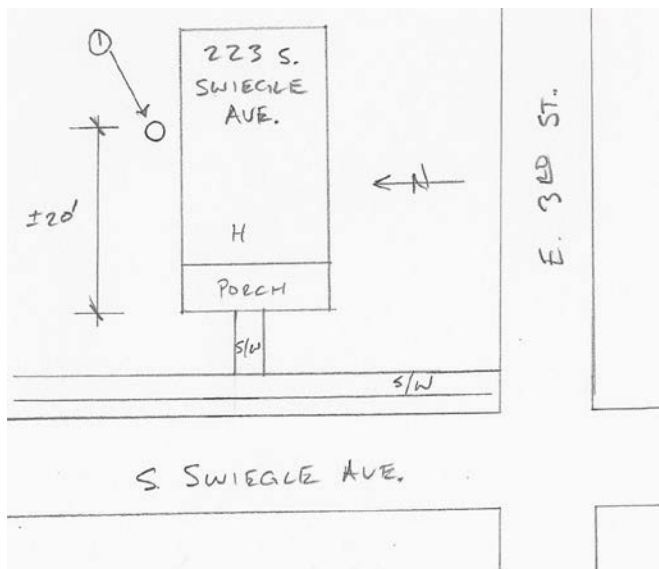
Molalla Smoke Testing	223 Swiegle Ave.	
Project Name :	Location / Address:	
100.26	2-60	BC_A3
Project No.	Report No.	Basin:
Ryan Quigley		BC_A3_9 and BC_A3_10
Tested By:		MH No. / Main:
		Wednesday, October 18, 2017
		Date:

TESTING CODE	PHOTOGRAPHS														
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole <b>OCO = Open Cleanout</b> PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;"><u>No.</u></th> <th style="text-align: center;"><u>Description</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Smoke from cleanout area</td> </tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table>	<u>No.</u>	<u>Description</u>	1	Smoke from cleanout area										
<u>No.</u>	<u>Description</u>														
1	Smoke from cleanout area														

### Comments

- Smoke from cleanout area on north side of house. Could not confirm broken or missing cap.
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### SKETCH





# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

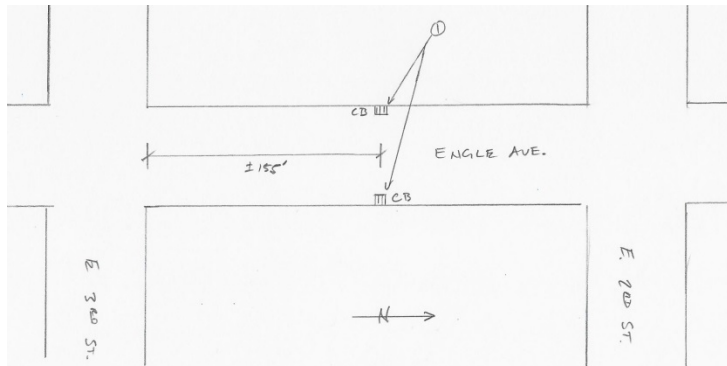
Molalla Smoke Testing	Engle Ave.	
Project Name : 100.26	Location / Address: BC_A3	BC_A3_15 and BC_A3_16
Project No. Ryan Quigley	Report No. 2-61	Basin: MH No. / Main: Wednesday, October 18, 2017
Tested By:		Date:

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line <b>CB = Catch Basin</b> LMH = Leaking Manhole OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;">No.</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Smoke from catch basins</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	Smoke from catch basins								
No.	Description												
1	Smoke from catch basins												

### Comments

- Smoke from catch basins on east and west side of Engle Ave., between 2<sup>nd</sup> and 3<sup>rd</sup> Streets.
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### SKETCH



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing	Fox Park
Project Name : 100.26	Location / Address: BC_A3
Project No. Ryan Quigley	Basin: BC_A3_3
Report No. 2-62	MH No. / Main: Wednesday, October 18, 2017
Tested By:	Date:

TESTING CODE	PHOTOGRAPHS														
<p><b>LSL = Leaking Service Lateral</b></p> <p>LML = Leaking Main Line</p> <p>CB = Catch Basin</p> <p>LMH = Leaking Manhole</p> <p><b>OCO = Open Cleanout</b></p> <p>PHV = Plugged House Vent</p> <p>RD = Roof Drain</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center; width: 15%;"><u>No.</u></th> <th style="text-align: center;"><u>Description</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Smoke from splash pad drain</td> </tr> <tr> <td style="text-align: center;">2</td> <td>Smoke from broken clean out cap</td> </tr> <tr> <td style="text-align: center;">3</td> <td>Smoke from lawn area</td> </tr> <tr> <td style="text-align: center;">4</td> <td>Smoke from lawn area</td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> </tbody> </table>	<u>No.</u>	<u>Description</u>	1	Smoke from splash pad drain	2	Smoke from broken clean out cap	3	Smoke from lawn area	4	Smoke from lawn area				
<u>No.</u>	<u>Description</u>														
1	Smoke from splash pad drain														
2	Smoke from broken clean out cap														
3	Smoke from lawn area														
4	Smoke from lawn area														

**Comments**

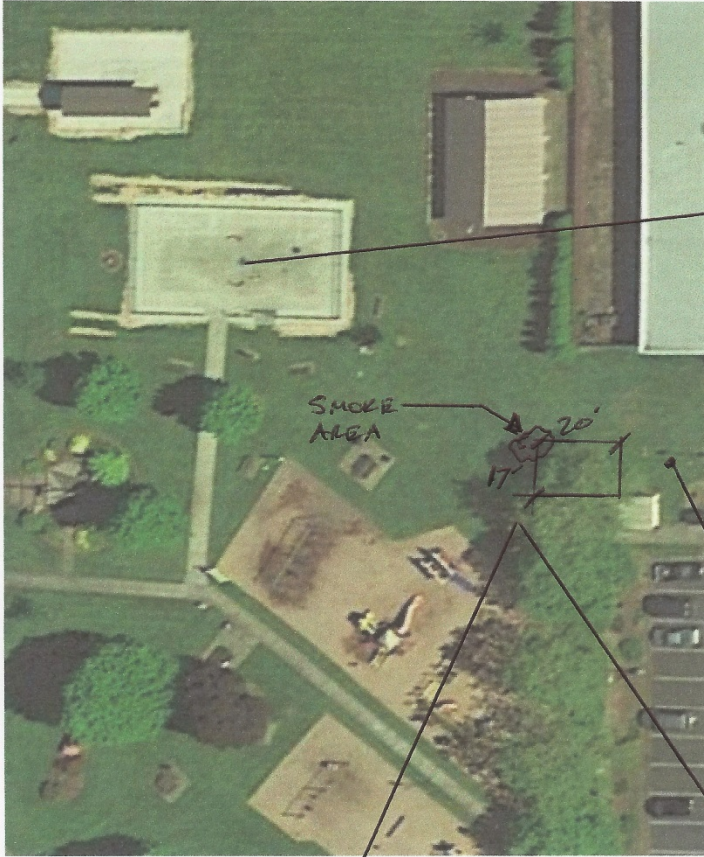
- See attached aerial for locations.
- Picture No. 1 – Smoke coming up from the new splash pad play area drain.
- Picture No. 3 & 4 – Approximate 10 sq. ft. area in the lawn was smoking. No cleanout found. Assumed to be broken sewer lateral or main. 20' north and 17' west of northwest bathroom corner.
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**SKETCH**

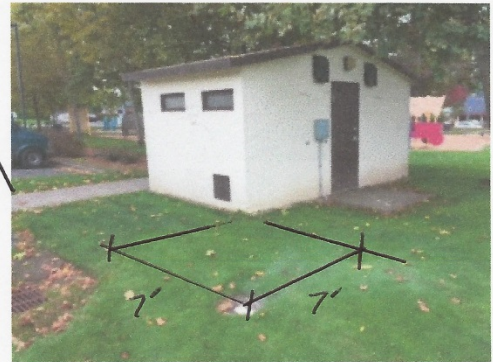
See Attached



Molalla Smoke Testing  
Report No. 2-62  
Fox Park



No. 1



No. 2



No. 3



No. 4

# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing	Metzler Ave.	
Project Name : 100.26	Location / Address: 2-63	BC_A3
Project No. Ryan Quigley	Report No. 2-63	Basin: BC_A3_2
Tested By:		MH No. / Main: Wednesday, October 18, 2017
		Date:

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole <b>OCO = Open Cleanout</b> PHV = Plugged House Vent RD = Roof Drain	<table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center; width: 15%;"><u>No.</u></th> <th style="text-align: center;"><u>Description</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Smoke from mainline cleanout cover</td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> </tbody> </table>	<u>No.</u>	<u>Description</u>	1	Smoke from mainline cleanout cover								
<u>No.</u>	<u>Description</u>												
1	Smoke from mainline cleanout cover												

**Comments**

- Smoke from mainline cleanout cover located at 4<sup>th</sup> St. and Metzler Ave.
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**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing	Mary Drive
Project Name : 100.26	Location / Address: BC_C1
Project No.                      3-1	Basin:                                      Manhole No. BC_C1_19
Andy Hall	MH No. / Main: 10/16/17
Tested By:	Date:

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin <b>LMH = Leaking Manhole</b> OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center; width: 10%;"><u>No.</u></th> <th style="text-align: center;"><u>Description</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Leaking Manhole</td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> </tbody> </table>	<u>No.</u>	<u>Description</u>	1	Leaking Manhole								
<u>No.</u>	<u>Description</u>												
1	Leaking Manhole												

**Comments**

- Smoke coming from crack in pavement east of the manhole lid.
- 
- 
- 
- 

**SKETCH**





# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing	Mary Drive
Project Name : 100.26	Location / Address: BC_C1
Project No.                      3-2	Basin:                                      Manhole No. BC_C1_10
Report No.                      Andy Hall	MH No. / Main: 10/16/17
Tested By:	Date:

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin <b>LMH = Leaking Manhole</b> OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center; width: 10%;"><u>No.</u></th> <th style="text-align: center;"><u>Description</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Leaking Manhole</td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> </tbody> </table>	<u>No.</u>	<u>Description</u>	1	Leaking Manhole								
<u>No.</u>	<u>Description</u>												
1	Leaking Manhole												

**Comments**

- Smoke coming from crack in pavement east of the manhole lid.
- 
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- 
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**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing	Mary Drive
Project Name : 100.26	Location / Address: BC_C1
Project No. Andy Hall	Basin: Manhole No. BC_C1_13
Tested By:	Date: 10/16/17
3-3	MH No. / Main: 10/16/17
Report No.	Date:

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin <b>LMH = Leaking Manhole</b> OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;"><u>No.</u></th> <th style="text-align: center;"><u>Description</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Leaking Manhole</td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> </tbody> </table>	<u>No.</u>	<u>Description</u>	1	Leaking Manhole								
<u>No.</u>	<u>Description</u>												
1	Leaking Manhole												

**Comments**

- Smoke coming from crack in pavement south of the manhole lid.
- 
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**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing	1000 Harvey Ln
Project Name : 100.26	Location / Address: BC_C
Project No. Andy Hall	Basin: BC_C_10 to BC_C_22
Tested By:	MH No. / Main: 10/16/17
	Date:

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole <b>OCO = Open Cleanout</b> PHV = Plugged House Vent RD = Roof Drain	<table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center; border-bottom: 1px solid black;">No.</th> <th style="text-align: center; border-bottom: 1px solid black;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center; border-bottom: 1px solid black;">1</td> <td style="border-bottom: 1px solid black;">Open Cleanout</td> </tr> <tr> <td style="border-bottom: 1px solid black;"> </td> <td style="border-bottom: 1px solid black;"> </td> </tr> <tr> <td style="border-bottom: 1px solid black;"> </td> <td style="border-bottom: 1px solid black;"> </td> </tr> <tr> <td style="border-bottom: 1px solid black;"> </td> <td style="border-bottom: 1px solid black;"> </td> </tr> <tr> <td style="border-bottom: 1px solid black;"> </td> <td style="border-bottom: 1px solid black;"> </td> </tr> </tbody> </table>	No.	Description	1	Open Cleanout								
No.	Description												
1	Open Cleanout												

**Comments**

- Cleanout has broken pipe and missing lid.
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**SKETCH**





# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

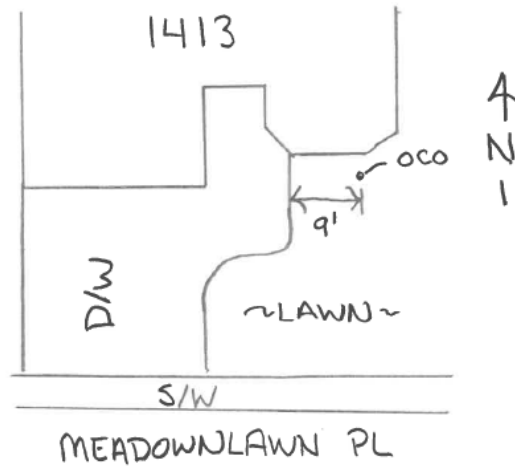
Molalla Smoke Testing	1413 Meadowlawn PL
Project Name : 100.26	Location / Address: BC_C
Project No. Andy Hall	Basin: BC_C_26 to BC_C_59
Tested By:	Date: 10/16/17
Report No. 3-5	MH No. / Main: 10/16/17

TESTING CODE	PHOTOGRAPHS														
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole <b>OCO = Open Cleanout</b> PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;">No.</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Open Cleanout</td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	Open Cleanout										
No.	Description														
1	Open Cleanout														

### Comments

- Cleanout has broken lid.
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### SKETCH



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

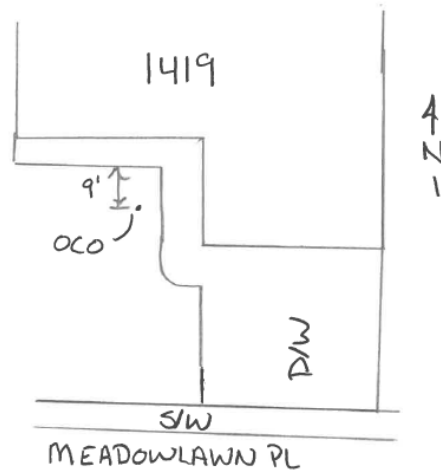
Molalla Smoke Testing		1419 Meadowlawn PL	
Project Name :		Location / Address:	
100.26	3-6	BC_C	BC_C_26 to BC_C_59
Project No.	Report No.	Basin:	MH No. / Main:
Andy Hall		10/16/17	
Tested By:		Date:	

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole <b>OCO = Open Cleanout</b> PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;">No.</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Open Cleanout</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	Open Cleanout								
No.	Description												
1	Open Cleanout												

### Comments

- Cleanout does not have lid.
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### SKETCH



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

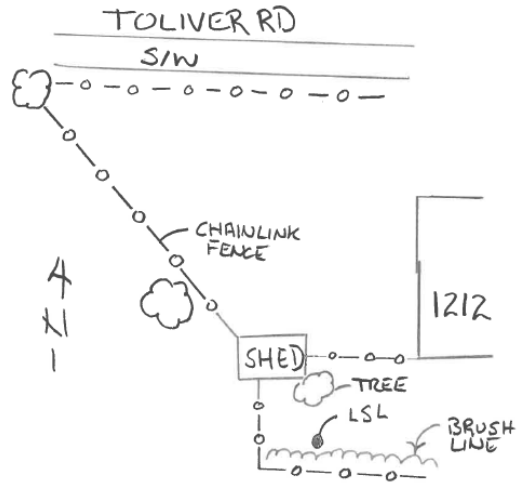
Molalla Smoke Testing		1212 Toliver Road	
Project Name :		Location / Address:	
100.26	3-7	TL	TL_36 to TL_37
Project No.	Report No.	Basin:	MH No. / Main:
Andy Hall		10/16/17	
Tested By:		Date:	

TESTING CODE	PHOTOGRAPHS												
<p><b>LSL = Leaking Service Lateral</b></p> <p>LML = Leaking Main Line</p> <p>CB = Catch Basin</p> <p>LMH = Leaking Manhole</p> <p>OCO = Open Cleanout</p> <p>PHV = Plugged House Vent</p> <p>RD = Roof Drain</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;">No.</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Leaking Service Lateral?</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	Leaking Service Lateral?								
No.	Description												
1	Leaking Service Lateral?												

### Comments

- Could not confirm (Private property).
- 
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### SKETCH



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing	Toliver Road
Project Name : 100.26	Location / Address: TL
Project No. Andy Hall	Basin: TL_36 and TL_37
Tested By:	Date: 10/16/17
3-8	MH No. / Main: 10/16/17

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin <b>LMH = Leaking Manhole</b> OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;">No.</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Leaking Manhole</td> </tr> <tr> <td style="text-align: center;">2</td> <td>Leaking Manhole</td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	Leaking Manhole	2	Leaking Manhole						
No.	Description												
1	Leaking Manhole												
2	Leaking Manhole												

**Comments**

- Photo 1 (TL\_37): Design may allow for inflow.
- Photo 2 (TL\_36): Design may allow for inflow.
- Note: Manhole Inflow Protector may help with possible inflow issues.
- 
- 

**SKETCH**





# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing	737 Trinity Ct
Project Name :	Location / Address:
100.26	3-9
Project No.	Report No.
Andy Hall	TL
Tested By:	Basin: TL_SB6_2 to TL_SB6_3
	MH No. / Main: 10/16/17
	Date:

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole <b>OCO = Open Cleanout</b> PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;">No.</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Open Cleanout</td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	Open Cleanout								
No.	Description												
1	Open Cleanout												

**Comments**

- Above grade cleanout does not have lid.
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**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

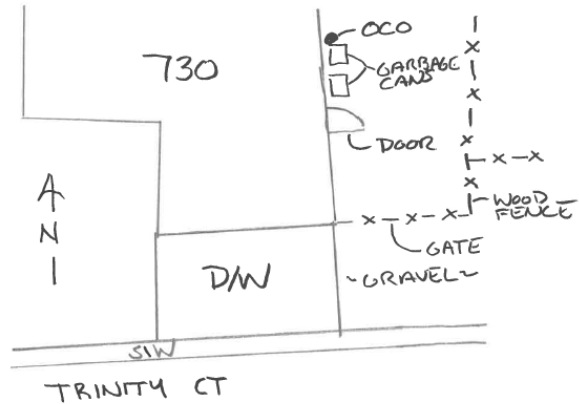
Molalla Smoke Testing	730 Trinity Ct	
Project Name :	Location / Address:	
100.26	3-10	TL
Project No.	Report No.	Basin:
Andy Hall	10/16/17	Date:
Tested By:		

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole <b>OCO = Open Cleanout</b> PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;">No.</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Open Cleanout?</td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	Open Cleanout?								
No.	Description												
1	Open Cleanout?												

### Comments

- Behind gate. Could not confirm (Private property).
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### SKETCH





# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

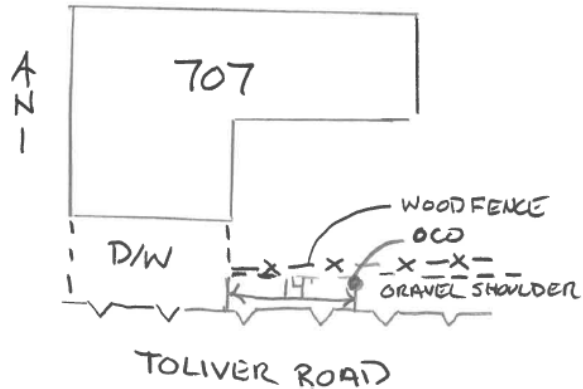
Molalla Smoke Testing		707 Toliver Road	
Project Name :		Location / Address:	
100.26	3-11	TL	TL_ 27 to TL_28
Project No.	Report No.	Basin:	MH No. / Main:
Andy Hall		10/16/17	
Tested By:		Date:	

TESTING CODE	PHOTOGRAPHS
LSL = Leaking Service Lateral	<u>No.</u> <u>Description</u>
LML = Leaking Main Line	1      Open Cleanout
CB = Catch Basin	_____
LMH = Leaking Manhole	_____
<b>OCO = Open Cleanout</b>	_____
PHV = Plugged House Vent	_____
RD = Roof Drain	_____

**Comments**

- Broken cleanout lid.
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**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

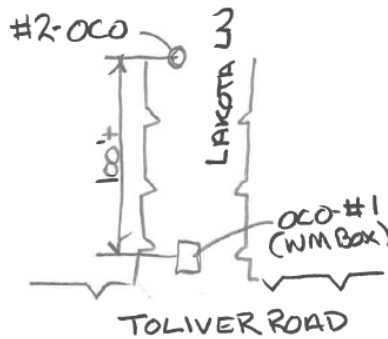
Molalla Smoke Testing	Lakota Ln (Near Toliver Road)
Project Name : 100.26	Location / Address: TL
Project No. Andy Hall	Basin: TL_24 to TL_25
Tested By:	MH No. / Main: 10/16/17
	Date:

TESTING CODE	PHOTOGRAPHS														
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole <b>OCO = Open Cleanout</b> PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;">No.</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Open Cleanout</td> </tr> <tr> <td style="text-align: center;">2</td> <td>Open Cleanout</td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	Open Cleanout	2	Open Cleanout								
No.	Description														
1	Open Cleanout														
2	Open Cleanout														

**Comments**

- Photo 1: Water meter lid smoking below grade.
- Photo 2: Smoke around cleanout lid and cracks in pavement.
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**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing	405 Ridings Avenue
Project Name : 100.26	Location / Address: TL_F
Project No. Andy Hall	Basin: TL_F_2 to TL_F_29
Tested By:	MH No. / Main: 10/17/17
	Date:

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole <b>OCO = Open Cleanout</b> PHV = Plugged House Vent RD = Roof Drain	<table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center; border-bottom: 1px solid black;">No.</th> <th style="text-align: center; border-bottom: 1px solid black;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Open Cleanout</td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	Open Cleanout								
No.	Description												
1	Open Cleanout												

**Comments**

- Above grade cleanout lid has holes drilled in top.
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**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing	406 Ridings Avenue	
Project Name :	Location / Address:	
100.26	3-14	TL_F
Project No.	Report No.	Basin:
Andy Hall		TL_F_2 to TL_F_20
Tested By:		MH No. / Main:
		10/17/17
		Date:

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole <b>OCO = Open Cleanout</b> PHV = Plugged House Vent RD = Roof Drain	<table border="0" style="width: 100%;"> <thead> <tr> <th style="text-align: center; width: 10%;"><u>No.</u></th> <th style="text-align: center;"><u>Description</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Open Cleanout</td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> </tbody> </table>	<u>No.</u>	<u>Description</u>	1	Open Cleanout								
<u>No.</u>	<u>Description</u>												
1	Open Cleanout												

**Comments**

- Cleanout has grated lid.
- 
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**SKETCH**





# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing	Ridings Avenue
Project Name : 100.26	Location / Address: TL_F
Project No. Andy Hall	Basin: TL_F_20
Tested By:	Date: 10/17/17
3-15	MH No. / Main: 10/17/17
Report No.	Date:

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin <b>LMH = Leaking Manhole</b> OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center; width: 10%;"><u>No.</u></th> <th style="text-align: center;"><u>Description</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Leaking Manhole</td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> </tbody> </table>	<u>No.</u>	<u>Description</u>	1	Leaking Manhole								
<u>No.</u>	<u>Description</u>												
1	Leaking Manhole												

**Comments**

- Smoke coming from cracks in pavement south of the manhole.
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**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

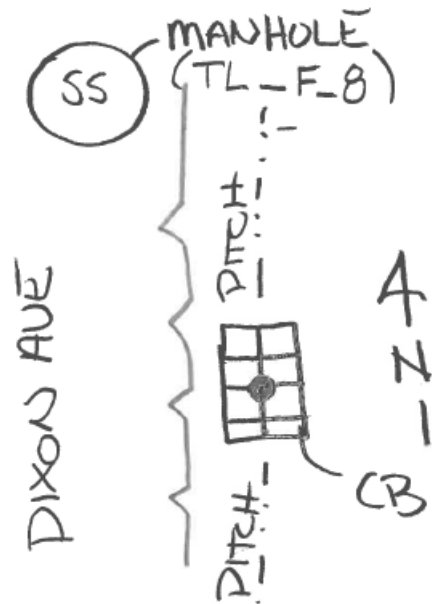
Molalla Smoke Testing	Dixon Avenue
Project Name : 100.26	Location / Address: TL_F
Project No. : Andy Hall	Basin: TL_F_7 to TL_F_8
Tested By:	MH No. / Main: 10/17/17
	Date:

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line <b>CB = Catch Basin</b> LMH = Leaking Manhole OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;">No.</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Catch Basin</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	Catch Basin								
No.	Description												
1	Catch Basin												

**Comments**

- Smoke coming from catch basin.
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**SKETCH**





# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing	W Heintz Street
Project Name : 100.26	Location / Address: East of MH TL_F_11
Project No. Andy Hall	Basin: 10/17/17
Report No. 3-17	MH No. / Main: Date:
Tested By:	

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole <b>OCO = Open Cleanout</b> PHV = Plugged House Vent RD = Roof Drain	<table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center; border-bottom: 1px solid black;">No.</th> <th style="text-align: center; border-bottom: 1px solid black;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center; border-bottom: 1px solid black;">1</td> <td style="text-align: center; border-bottom: 1px solid black;">Open Cleanout</td> </tr> <tr> <td style="border-bottom: 1px solid black;"> </td> <td style="border-bottom: 1px solid black;"> </td> </tr> <tr> <td style="border-bottom: 1px solid black;"> </td> <td style="border-bottom: 1px solid black;"> </td> </tr> <tr> <td style="border-bottom: 1px solid black;"> </td> <td style="border-bottom: 1px solid black;"> </td> </tr> <tr> <td style="border-bottom: 1px solid black;"> </td> <td style="border-bottom: 1px solid black;"> </td> </tr> </tbody> </table>	No.	Description	1	Open Cleanout								
No.	Description												
1	Open Cleanout												

**Comments**

- Cleanout lid recessed below pavement grade. Smoke coming from sides of lid and center.
- 
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**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing	Leroy Avenue
Project Name : 100.26	Location / Address: TL_F
Project No. Andy Hall	Basin: TL_F_18
Tested By:	MH No. / Main: 10/17/17
	Date:

TESTING CODE	PHOTOGRAPHS
LSL = Leaking Service Lateral	<u>No.</u> <u>Description</u>
LML = Leaking Main Line	1      Leaking Manhole
CB = Catch Basin	_____
<b>LMH = Leaking Manhole</b>	_____
OCO = Open Cleanout	_____
PHV = Plugged House Vent	_____
RD = Roof Drain	_____

**Comments**

- Manhole smoking from southwest side next to ditch.
- 
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**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

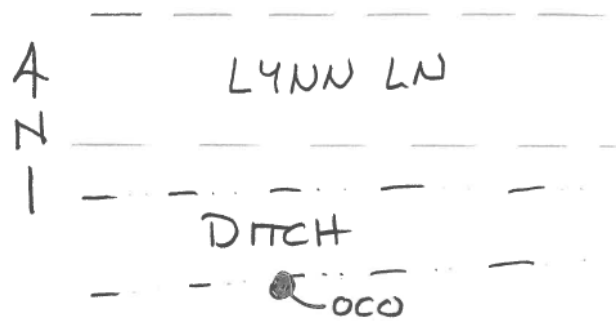
Molalla Smoke Testing	Lynn Ln.
Project Name : 100.26	Location / Address: West of MH TL_F_18
Project No.                      3-19	Basin:                                      TL_F
Andy Hall	MH No. / Main: 10/17/17
Tested By:	Date:

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole <b>OCO = Open Cleanout</b> PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;">No.</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Open Cleanout</td> </tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table>	No.	Description	1	Open Cleanout								
No.	Description												
1	Open Cleanout												

**Comments**

- Cleanout pipe broken next to ditch.
- 
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**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

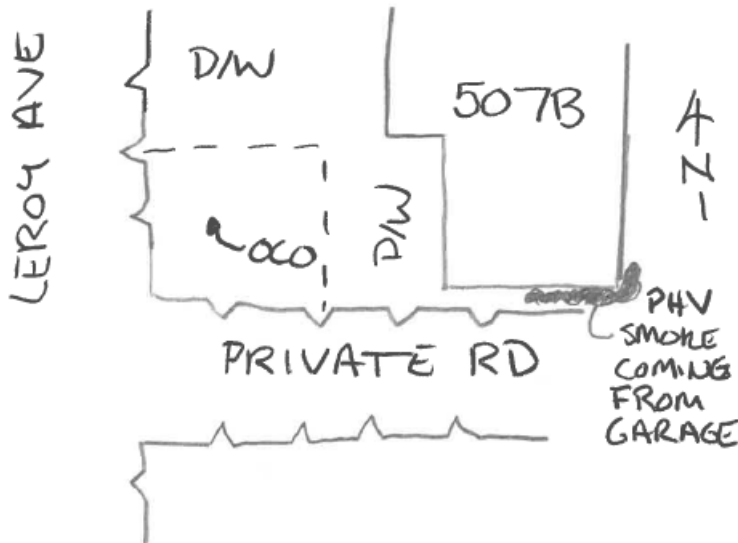
Molalla Smoke Testing	509 & 507B Leroy Avenue (Map shows same lot)	
Project Name :	Location / Address:	
100.26	3-20	TL_F
Project No.	Report No.	Basin:
Andy Hall	TL_F_9 to TL_F_18	MH No. / Main:
Tested By:	10/17/17	Date:

TESTING CODE	PHOTOGRAPHS	
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole <b>OCO = Open Cleanout</b> <b>PHV = Plugged House Vent</b> RD = Roof Drain	No.	Description
	1	None
	_____	_____
	_____	_____
	_____	_____
	_____	_____

**Comments**

- OCO (509 Leroy Ave): Cleanout had cast iron lid but was smoking from sides in yard.
- PHV (507B Leroy Ave): Garage off of house 507B had smoke coming from underneath.
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

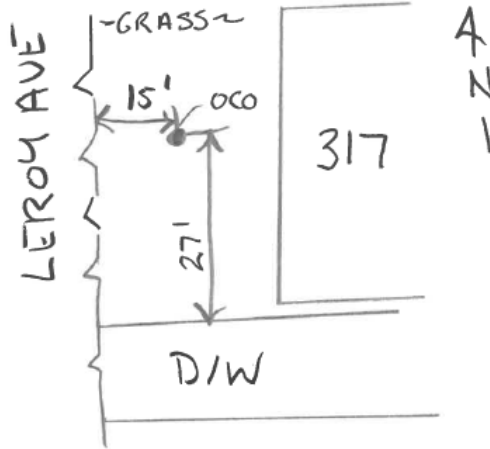
Molalla Smoke Testing	317 Leroy Avenue	
Project Name : 100.26	3-21	Location / Address: BC_A4
Project No. Andy Hall	Report No.	Basin: BC_A4_1 to BC_A4_2
Tested By:		MH No. / Main: 10/17/17
		Date:

TESTING CODE	PHOTOGRAPHS
LSL = Leaking Service Lateral	<u>No.</u> <u>Description</u>
LML = Leaking Main Line	1      Open Cleanout
CB = Catch Basin	_____
LMH = Leaking Manhole	_____
<b>OCO = Open Cleanout</b>	_____
PHV = Plugged House Vent	_____
RD = Roof Drain	_____

**Comments**

- Cleanout with cast iron lid smoking from sides of lid in yard.
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**SKETCH**





# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing	Les Schwab
Project Name : 100.26	Location / Address: TL_SB10
Project No. Andy Hall	Basin: TL_SB10_1 to TL_SB10_2
Tested By:	Date: 10/17/17
3-22	MH No. / Main: 10/17/17
Report No.	Date:

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole <b>OCO = Open Cleanout</b> PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;"><u>No.</u></th> <th style="text-align: center;"><u>Description</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Open Cleanout</td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> </tbody> </table>	<u>No.</u>	<u>Description</u>	1	Open Cleanout								
<u>No.</u>	<u>Description</u>												
1	Open Cleanout												

**Comments**

- Broken cleanout pipe.
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**SKETCH**





# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing	Safeway
Project Name : 100.26	Location / Address: BC_SB1
Project No. Andy Hall	Basin: BC_SB1_4
Tested By:	MH No. / Main: 10/17/17
	Date:

TESTING CODE	PHOTOGRAPHS
LSL = Leaking Service Lateral	<u>No.</u> <u>Description</u>
LML = Leaking Main Line	1      Leaking Manhole
CB = Catch Basin	_____
<b>LMH = Leaking Manhole</b>	_____
OCO = Open Cleanout	_____
PHV = Plugged House Vent	_____
RD = Roof Drain	_____

**Comments**

- Smoke coming from crack in pavement south of the manhole lid.
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**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

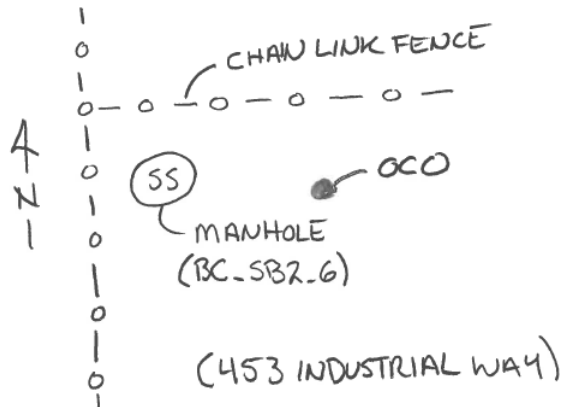
Molalla Smoke Testing	453 Industrial Way	
Project Name : 100.26	3-24	Location / Address: BC_SB2
Project No.	Report No.	Basin: BC_SB2_6 to BC_SB2_8
Andy Hall		MH No. / Main: 10/17/17
Tested By:		Date:

TESTING CODE	PHOTOGRAPHS	
LSL = Leaking Service Lateral	<u>No.</u>	<u>Description</u>
LML = Leaking Main Line	1	Open Cleanout
CB = Catch Basin		
LMH = Leaking Manhole		
<b>OCO = Open Cleanout</b>		
PHV = Plugged House Vent		
RD = Roof Drain		

**Comments**

- Smoke coming from ground at base of cleanout riser pipe.
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**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

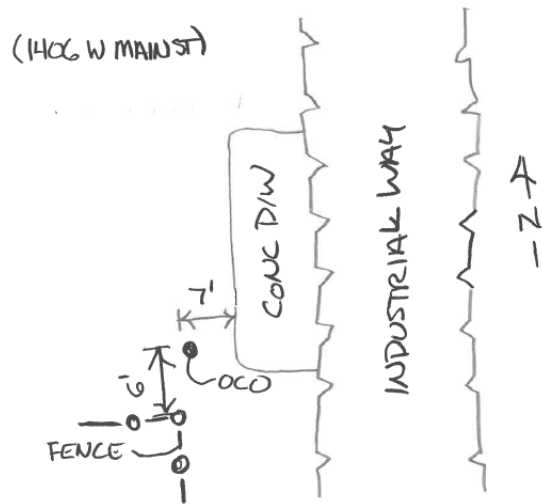
Molalla Smoke Testing	1406 W Main Street	
Project Name :	Location / Address:	
100.26	3-25	BC_B
Project No.	Report No.	Basin:
Andy Hall		BC_B_10 to BC_B_15
Tested By:		MH No. / Main:
		10/17/17
		Date:

TESTING CODE	PHOTOGRAPHS
LSL = Leaking Service Lateral	<u>No.</u> <u>Description</u>
LML = Leaking Main Line	1      Open Cleanout
CB = Catch Basin	_____
LMH = Leaking Manhole	_____
<b>OCO = Open Cleanout</b>	_____
PHV = Plugged House Vent	_____
RD = Roof Drain	_____

### Comments

- Cleanout pipe broken at surface.
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### SKETCH



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing	Woodburn-Estacada Highway 211
Project Name : 100.26	Location / Address: BC_A
Project No. Andy Hall	Basin: BC_A_35
Tested By:	Date: 10/17/17
3-26	MH No. / Main: 10/17/17

TESTING CODE	PHOTOGRAPHS
LSL = Leaking Service Lateral	<u>No.</u> <u>Description</u>
LML = Leaking Main Line	1      Leaking Manhole
CB = Catch Basin	_____
<b>LMH = Leaking Manhole</b>	_____
OCO = Open Cleanout	_____
PHV = Plugged House Vent	_____
RD = Roof Drain	_____

**Comments**

- Smoke coming from manhole cone and grade ring in ditch.
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**SKETCH**





# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing	500 W Main St (O'Reilly Auto Parts)
Project Name : 100.26	Location / Address: BC_A2
Project No. Andy Hall	Basin: BC_A_41 to BC_A2_2
Tested By:	MH No. / Main: 10/17/17
	Date:

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole <b>OCO = Open Cleanout</b> PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;">No.</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Open Cleanout</td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	Open Cleanout								
No.	Description												
1	Open Cleanout												

**Comments**

- Broken cleanout cap.
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**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing		524 W Main St (Car Wash)	
Project Name :		Location / Address:	
100.26	3-28	BC_A2	BC_A2_1 to BC_A2_2
Project No.	Report No.	Basin:	MH No. / Main:
Andy Hall			10/17/17
Tested By:			Date:

TESTING CODE	PHOTOGRAPHS
LSL = Leaking Service Lateral	<u>No.</u> <u>Description</u>
LML = Leaking Main Line	1      Leaking Vault
CB = Catch Basin	_____
LMH = Leaking Manhole	_____
OCO = Open Cleanout	_____
PHV = Plugged House Vent	_____
RD = Roof Drain	_____

## Comments

- Smoke coming from vault in parking lot west of car wash.

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## SKETCH





# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

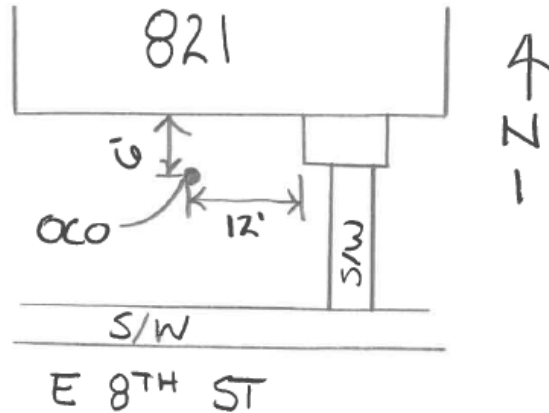
Molalla Smoke Testing	821 E 8 <sup>th</sup> Street
Project Name : 100.26	Location / Address: TL_A1
Project No. Andy Hall	Basin: TL_A1_1 to TL_A1_6
Tested By:	MH No. / Main: 10/17/17
	Date:

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole <b>OCO = Open Cleanout</b> PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;">No.</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Open Cleanout</td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	Open Cleanout								
No.	Description												
1	Open Cleanout												

**Comments**

- Cleanout has grated lid.
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**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing		802 Mathias Ct.	
Project Name :		Location / Address:	
100.26	3-30	TL_A1	TL_A1_4 to TL_A1_6
Project No.	Report No.	Basin:	MH No. / Main:
Andy Hall			10/17/17
Tested By:		Date:	

TESTING CODE	PHOTOGRAPHS
LSL = Leaking Service Lateral	<u>No.</u> <u>Description</u>
LML = Leaking Main Line	1      Open Cleanout
CB = Catch Basin	_____
LMH = Leaking Manhole	_____
<b>OCO = Open Cleanout</b>	_____
PHV = Plugged House Vent	_____
RD = Roof Drain	_____

**Comments**

- Cleanout does not have cap.

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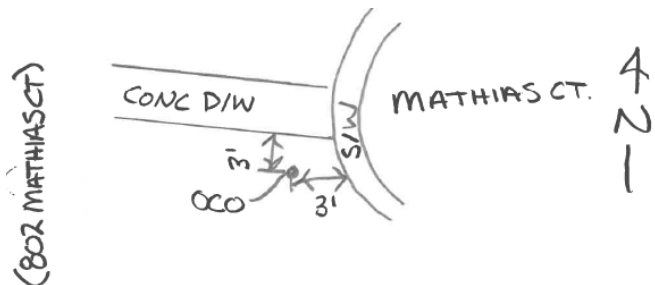


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**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing	E 7 <sup>th</sup> Street
Project Name : 100.26	Location / Address: East of TL_A2_5
Project No. Andy Hall	Basin: 10/17/17
Report No. 3-31	MH No. / Main: Date:
Tested By:	

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole <b>OCO = Open Cleanout</b> PHV = Plugged House Vent RD = Roof Drain	<table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center; width: 15%;"><u>No.</u></th> <th style="text-align: center;"><u>Description</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Open Cleanout</td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> </tbody> </table>	<u>No.</u>	<u>Description</u>	1	Open Cleanout								
<u>No.</u>	<u>Description</u>												
1	Open Cleanout												

**Comments**

- Smoke coming from cracks in asphalt around cleanout lid.
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**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing	May Street	
Project Name : 100.26	3-32	Location / Address: BC_A1
Project No. Andy Hall	Report No.	Basin: BC_A1_4 and BC_A1_5
Tested By:		MH No. / Main: 10/18/17
		Date:

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center; border-bottom: 1px solid black;">No.</th> <th style="text-align: center; border-bottom: 1px solid black;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center; border-bottom: 1px solid black;">1</td> <td style="text-align: center; border-bottom: 1px solid black;">Leaking Manhole (BC_A1_4)</td> </tr> <tr> <td style="text-align: center; border-bottom: 1px solid black;"> </td> <td style="text-align: center; border-bottom: 1px solid black;"> </td> </tr> <tr> <td style="text-align: center; border-bottom: 1px solid black;"> </td> <td style="text-align: center; border-bottom: 1px solid black;"> </td> </tr> <tr> <td style="text-align: center; border-bottom: 1px solid black;"> </td> <td style="text-align: center; border-bottom: 1px solid black;"> </td> </tr> <tr> <td style="text-align: center; border-bottom: 1px solid black;"> </td> <td style="text-align: center; border-bottom: 1px solid black;"> </td> </tr> </tbody> </table>	No.	Description	1	Leaking Manhole (BC_A1_4)								
No.	Description												
1	Leaking Manhole (BC_A1_4)												

**Comments**

- Manhole BC\_A1\_4: Smoke coming from crack in pavement west of the manhole lid.
- Manhole BC\_A1\_5: Smoke coming from crack in pavement near manhole lid.
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**SKETCH**





# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

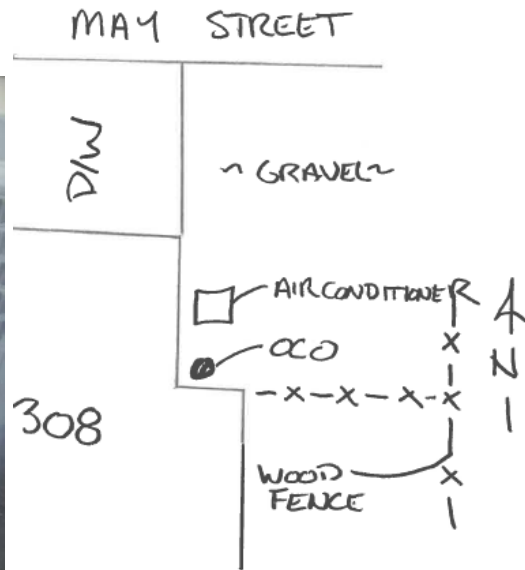
Molalla Smoke Testing	308 May Street
Project Name : 100.26	Location / Address: BC_A1
Project No. Andy Hall	Basin: BC_A1_4 to BC_A1_5
Tested By:	Date: 10/18/17
3-33	MH No. / Main: 10/18/17
Report No.	Date:

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole <b>OCO = Open Cleanout</b> PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;">No.</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Open Cleanout?</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	Open Cleanout?								
No.	Description												
1	Open Cleanout?												

### Comments

- Could not identify source of smoke.
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### SKETCH



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing	South of S Taylor Ct.
Project Name : 100.26	Location / Address: BC_A1
Project No. Andy Hall	Basin: BC_A1_9
Tested By:	MH No. / Main: 10/18/17
	Date:

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin <b>LMH = Leaking Manhole</b> OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center; border-bottom: 1px solid black;"><u>No.</u></th> <th style="text-align: center; border-bottom: 1px solid black;"><u>Description</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center; border-bottom: 1px solid black;">1</td> <td style="text-align: center; border-bottom: 1px solid black;">Leaking Manhole</td> </tr> <tr> <td style="border-bottom: 1px solid black;"> </td> <td style="border-bottom: 1px solid black;"> </td> </tr> <tr> <td style="border-bottom: 1px solid black;"> </td> <td style="border-bottom: 1px solid black;"> </td> </tr> <tr> <td style="border-bottom: 1px solid black;"> </td> <td style="border-bottom: 1px solid black;"> </td> </tr> <tr> <td style="border-bottom: 1px solid black;"> </td> <td style="border-bottom: 1px solid black;"> </td> </tr> </tbody> </table>	<u>No.</u>	<u>Description</u>	1	Leaking Manhole								
<u>No.</u>	<u>Description</u>												
1	Leaking Manhole												

**Comments**

- Smoke coming from grass around manhole in wetland area.
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**SKETCH**





# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing	South of S Taylor Ct.		
Project Name :	Location / Address:		
100.26	3-35	BC_A1	BC_A1_10
Project No.	Report No.	Basin:	MH No. / Main:
Andy Hall			10/18/17
Tested By:			Date:

TESTING CODE	PHOTOGRAPHS
LSL = Leaking Service Lateral	<u>No.</u> <u>Description</u>
LML = Leaking Main Line	1      Leaking Manhole
CB = Catch Basin	_____
<b>LMH = Leaking Manhole</b>	_____
OCO = Open Cleanout	_____
PHV = Plugged House Vent	_____
RD = Roof Drain	_____

## Comments

- Smoke coming from grass around manhole in wetland area.

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## SKETCH



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

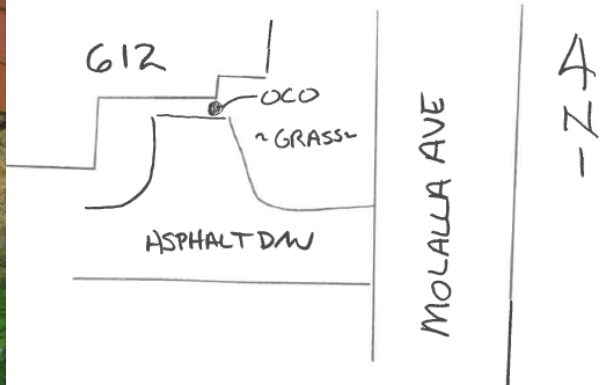
Molalla Smoke Testing	612 S Molalla Avenue
Project Name : 100.26	Location / Address: BC_A
Project No. Andy Hall	Basin: BC_A_15 to BC_A_16
Tested By:	Date: 10/18/17
3-36	MH No. / Main: 10/18/17
Report No.	Date:

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole <b>OCO = Open Cleanout</b> PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;">No.</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Open Cleanout</td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	Open Cleanout								
No.	Description												
1	Open Cleanout												

**Comments**

- Cleanout does not have cap.
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**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing	508 Metzler Avenue
Project Name : 100.26	Location / Address: BC_A
Project No. Andy Hall	Basin: BC_A_14 to BC_A_24
Tested By:	Date: 10/18/17
	MH No. / Main: 10/18/17

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole <b>OCO = Open Cleanout</b> PHV = Plugged House Vent RD = Roof Drain	<table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center; width: 15%;"><u>No.</u></th> <th style="text-align: center;"><u>Description</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Open Cleanout</td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> </tbody> </table>	<u>No.</u>	<u>Description</u>	1	Open Cleanout								
<u>No.</u>	<u>Description</u>												
1	Open Cleanout												

**Comments**

- Cleanout smoking around cast iron lid. Plastic cleanout cap behind cast iron lid also smoking.
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**SKETCH**





# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing	604 S Molalla Avenue
Project Name : 100.26	Location / Address: BC_A
Project No. Andy Hall	Basin: East of BC_A_24
Tested By:	Date: 10/18/17
3-38	MH No. / Main: 10/18/17

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole <b>OCO = Open Cleanout</b> <b>PHV = Plugged House Vent</b> RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;"><u>No.</u></th> <th style="text-align: center;"><u>Description</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Open Cleanout</td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> </tbody> </table>	<u>No.</u>	<u>Description</u>	1	Open Cleanout								
<u>No.</u>	<u>Description</u>												
1	Open Cleanout												

**Comments**

- OCO (Apartment No. 9): Smoke coming from cleanout pipe at ground level in brush.
- PHV (Apartment No. 3): Smoke coming from bathroom sink.
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**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

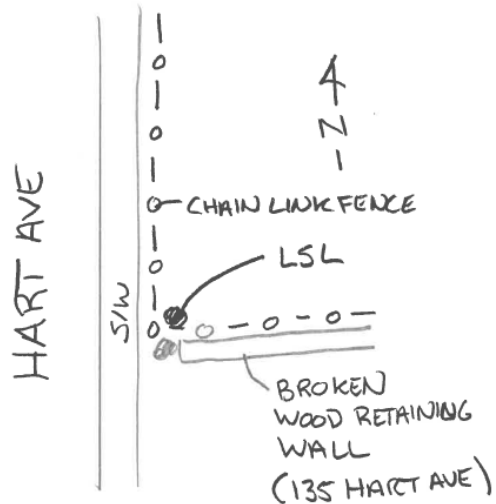
Molalla Smoke Testing	135 Hart Avenue	
Project Name :	Location / Address:	
100.26	3-39	BC_A
Project No.	Report No.	Basin:
Andy Hall	10/18/17	Date:
Tested By:		

TESTING CODE	PHOTOGRAPHS												
<p><b>LSL = Leaking Service Lateral</b></p> <p>LML = Leaking Main Line</p> <p>CB = Catch Basin</p> <p>LMH = Leaking Manhole</p> <p>OCO = Open Cleanout</p> <p>PHV = Plugged House Vent</p> <p>RD = Roof Drain</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;">No.</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Leaking Service Lateral</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	Leaking Service Lateral								
No.	Description												
1	Leaking Service Lateral												

### Comments

- Smoke coming from under bricks, rock, and old retaining wall.
- 
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### SKETCH



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing	202 W 3rd Street	
Project Name :	Location / Address:	
100.26	3-40	BC_A
Project No.	Report No.	Basin:
Andy Hall		BC_A_11 to BC_A_27
Tested By:		MH No. / Main:
		10/18/17
		Date:

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole <b>OCO = Open Cleanout</b> PHV = Plugged House Vent <b>RD = Roof Drain</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;">No.</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Roof Drain</td> </tr> <tr> <td style="text-align: center;">2</td> <td>Open Cleanout?</td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	Roof Drain	2	Open Cleanout?						
No.	Description												
1	Roof Drain												
2	Open Cleanout?												

**Comments**

- Smoke coming from gutter drain. Roof drain might connect into open cleanout.
- 
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**SKETCH**





# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing	205 W 4 <sup>th</sup> Street		
Project Name :	Location / Address:		
100.26	3-41	BC_A	East of BC_A_10
Project No.	Report No.	Basin:	MH No. / Main:
Andy Hall			10/18/17
Tested By:			Date:

TESTING CODE	PHOTOGRAPHS
LSL = Leaking Service Lateral	<u>No.</u> <u>Description</u>
LML = Leaking Main Line	1      Open Cleanout
CB = Catch Basin	_____
LMH = Leaking Manhole	_____
<b>OCO = Open Cleanout</b>	_____
PHV = Plugged House Vent	_____
RD = Roof Drain	_____

## Comments

- Smoke coming from broken cleanout cap.
- 
- 
- 
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## SKETCH



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

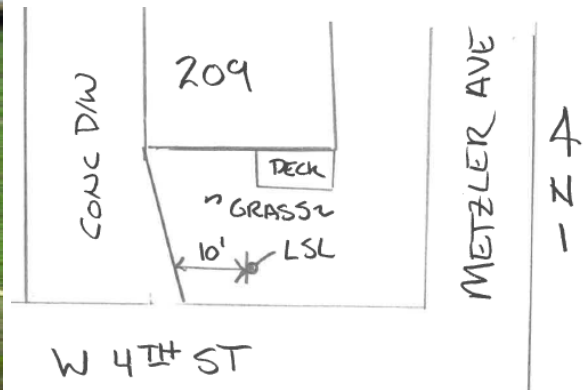
Molalla Smoke Testing	209 W 4 <sup>th</sup> Street	
Project Name :	Location / Address:	
100.26	3-42	BC_A
Project No.	Report No.	Basin:
Andy Hall		East of BC_A_10
Tested By:		MH No. / Main:
		10/18/17
		Date:

TESTING CODE	PHOTOGRAPHS												
<p><b>LSL = Leaking Service Lateral</b></p> <p>LML = Leaking Main Line</p> <p>CB = Catch Basin</p> <p>LMH = Leaking Manhole</p> <p>OCO = Open Cleanout</p> <p>PHV = Plugged House Vent</p> <p>RD = Roof Drain</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;">No.</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Leaking Service Lateral</td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	Leaking Service Lateral								
No.	Description												
1	Leaking Service Lateral												

**Comments**

- Smoke coming from grass.
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**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing		640 Anne Lane	
Project Name :	4-1	Location / Address:	BC C1 32
100.26	Report No.	BC C1	Basin:
Project No.	Tyler J. Molatore	MH No. / Main:	10/16/2017
Tested By:		Date:	

TESTING CODE	PHOTOGRAPHS														
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table border="0" style="width: 100%;"> <thead> <tr> <th style="text-align: center; width: 10%;">No.</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Leaking manhole</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	Leaking manhole										
No.	Description														
1	Leaking manhole														

**Comments**

- Leaking around manhole rim.

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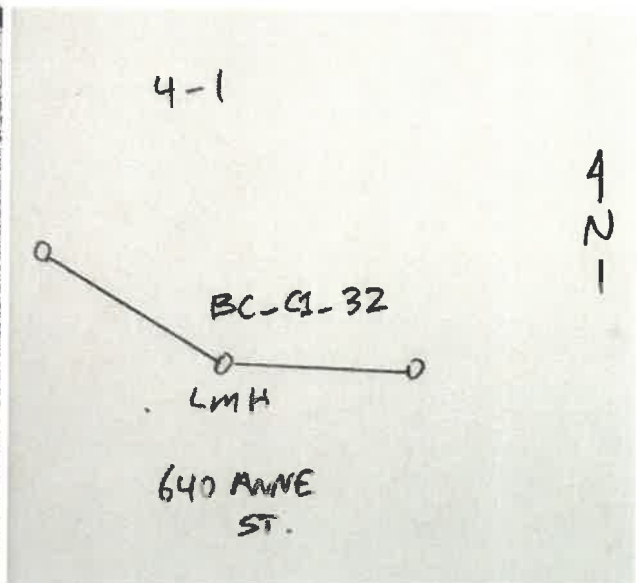


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**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

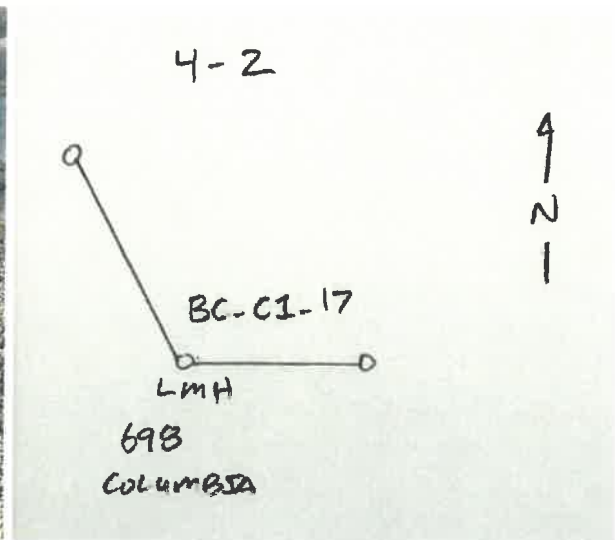
Molalla Smoke Testing		698 Columbia	
Project Name :	4-2	Location / Address:	BC C1
100.26	Report No.	Basin:	BC C1 17
Project No.	Tyler J. Molatore	MH No. / Main:	10/16/2017
Tested By:		Date:	

TESTING CODE	PHOTOGRAPHS														
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table border="0" style="width: 100%;"> <thead> <tr> <th style="text-align: center; width: 10%;"><u>No.</u></th> <th style="text-align: center;"><u>Description</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Leaking manhole</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	<u>No.</u>	<u>Description</u>	1	Leaking manhole										
<u>No.</u>	<u>Description</u>														
1	Leaking manhole														

**Comments**

- Leaking around manhole rim.
- 
- 
- 
- 

**SKETCH**





# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing		668 Columbia	
Project Name :	4-3	Location / Address:	BC C1 18
100.26	Report No.	BC C1	MH No. / Main:
Project No.	Tyler J. Molatore	Basin:	10/16/2017
Tested By:		Date:	

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;">No.</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Leaking manhole</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	Leaking manhole								
No.	Description												
1	Leaking manhole												

**Comments**

- Leaking around manhole rim.
- 
- 
- 
- 

**SKETCH**



4-3

BC-C1-18

LMH

668

COLUMBIA

↑

2

1



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

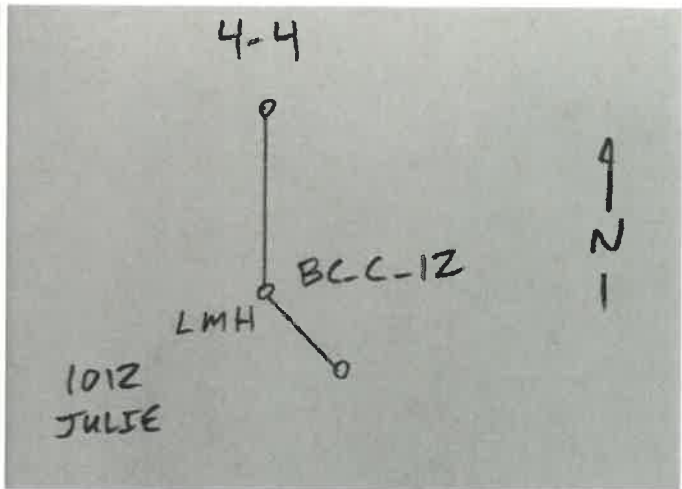
Molalla Smoke Testing		1012 Julie Ln	
Project Name :	Location / Address:		
100.26	4-4	BC C	BC C 12
Project No.	Report No.	Basin:	MH No. / Main:
Tyler J. Molatore			10/16/2017
Tested By:			Date:

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;">No.</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Leaking manhole</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	Leaking manhole								
No.	Description												
1	Leaking manhole												

**Comments**

- Leaking around manhole rim.
- 
- 
- 
- 
- 

**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

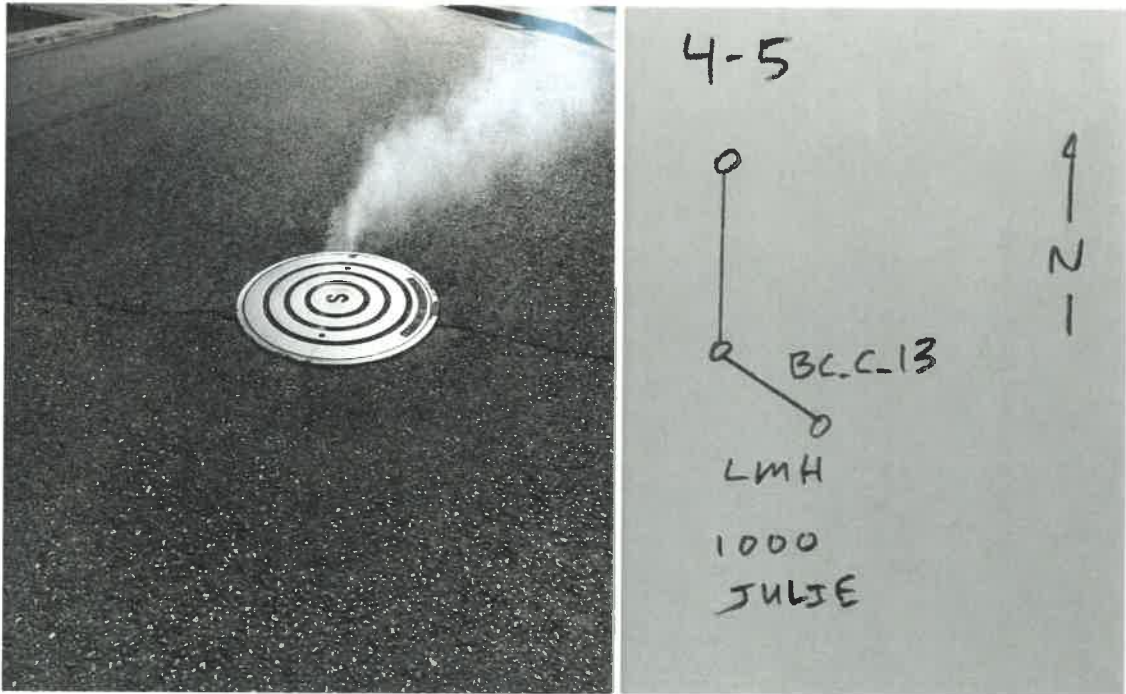
Molalla Smoke Testing		1000 Julie Ln	
Project Name :		Location / Address:	
100.26	4-5	BC C	BC C 13
Project No.	Report No.	Basin:	MH No. / Main:
Tyler J. Molatore			10/16/2017
Tested By:		Date:	

TESTING CODE	PHOTOGRAPHS
LSL = Leaking Service Lateral	<u>No.</u> <u>Description</u>
LML = Leaking Main Line	1      Leaking manhole
CB = Catch Basin	_____
LMH = Leaking Manhole	_____
OCO = Open Cleanout	_____
PHV = Plugged House Vent	_____
RD = Roof Drain	_____

**Comments**

- Leaking around manhole rim and surrounding cracks in asphalt.
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing

1015 Mountain View

Project Name :

Location / Address:

100.26

4-6

BC\_C

BC\_C 49 to BC\_C 50

Project No.

Report No.

Basin:

MH No. / Main:

Tyler J. Molatore

10/16/2017

Tested By:

Date:

TESTING CODE	PHOTOGRAPHS
LSL = Leaking Service Lateral	<u>No.</u>
LML = Leaking Main Line	<u>Description</u>
CB = Catch Basin	1    Open cleanout
LMH = Leaking Manhole	_____
OCO = Open Cleanout	_____
PHV = Plugged House Vent	_____
RD = Roof Drain	_____

**Comments**

- Open cleanout located immediately to the right of the front door. Right next to hose reel.
- Also refer to aerial on following page.

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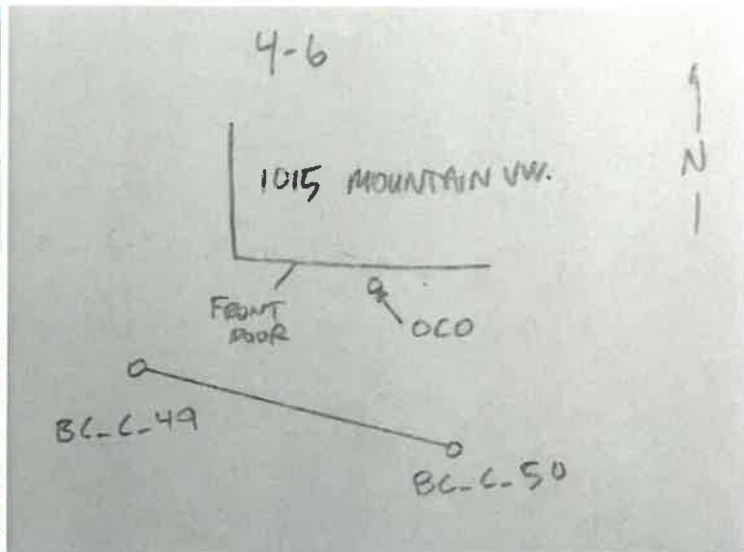


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**SKETCH**



**AERIAL**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing

1045 Cascade Lane

Project Name :

Location / Address:

100.26

4-7

BC C

BC C 39 to BC C 46

Project No.

Report No.

Basin:

MH No. / Main:

Tyler J. Molatore

10/16/2017

Tested By:

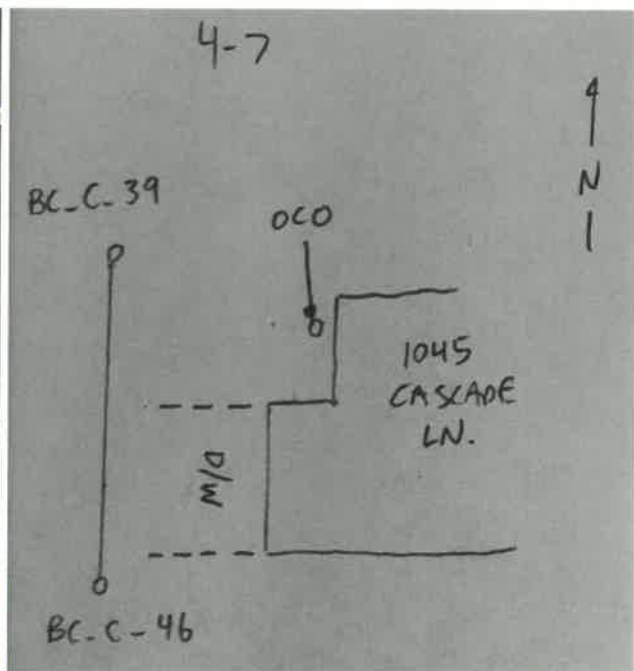
Date:

TESTING CODE	PHOTOGRAPHS												
<p>LSL = Leaking Service Lateral                      LML = Leaking Main Line                      CB = Catch Basin                      LMH = Leaking Manhole                      OCO = Open Cleanout                      PHV = Plugged House Vent                      RD = Roof Drain</p>	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;"><u>No.</u></th> <th style="text-align: center;"><u>Description</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Open cleanout</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	<u>No.</u>	<u>Description</u>	1	Open cleanout								
<u>No.</u>	<u>Description</u>												
1	Open cleanout												

**Comments**

- Open cleanout located about 10 ft to the left of the front door. Right in front of the front window.
- Also refer to aerial on following page.

**SKETCH**





**AERIAL**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

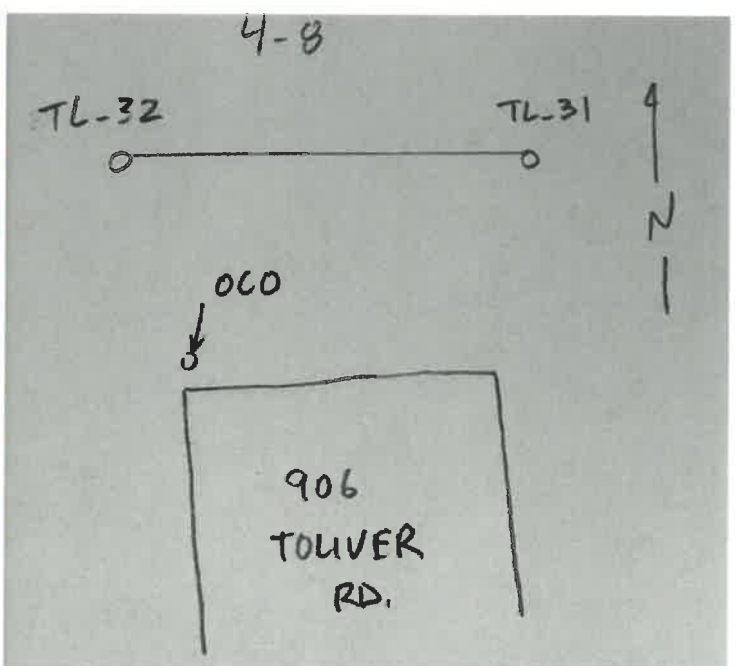
Molalla Smoke Testing		906 Toliver Rd	
Project Name :		Location / Address:	
100.26	4-8	TL	TL 31 and TL 32
Project No.	Report No.	Basin:	MH No. / Main:
Tyler J. Molatore		10/16/2017	
Tested By:		Date:	

TESTING CODE	PHOTOGRAPHS														
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;">No.</th> <th style="width: 85%; text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Open cleanout</td> </tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table>	No.	Description	1	Open cleanout										
No.	Description														
1	Open cleanout														

**Comments**

- Open cleanout. House was undergoing some landscaping and upgrades. Open cleanout may only be temporary.
- Also refer to aerial on following page.
- 
- 
- 

**SKETCH**



**AERIAL**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

**Molalla Smoke Testing**

**Molalla River Middle School**

Project Name :

Location / Address:

100.26

4-9

TL

TL\_10

Project No.

Report No.

Basin:

MH No. / Main:

Tyler J. Molatore

10/16/2017

Tested By:

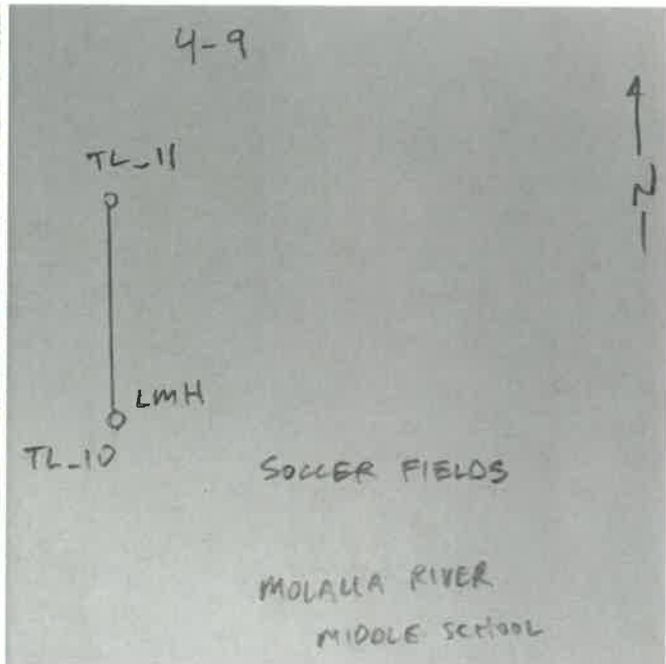
Date:

TESTING CODE	PHOTOGRAPHS
LSL = Leaking Service Lateral	<u>No.</u>
LML = Leaking Main Line	<u>Description</u>
CB = Catch Basin	1      Leaking manhole
LMH = Leaking Manhole	_____
OCO = Open Cleanout	_____
PHV = Plugged House Vent	_____
RD = Roof Drain	_____

**Comments**

- Manhole was located at perimeter of soccer field. Manhole was leaking significantly around adjacent soil.
- Also refer to aerial on following page.
- 
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**SKETCH**





**AERIAL No. 1**



**AERIAL No. 2**





# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing

580 N. Hezzie

Project Name :

Location / Address:

100.26

4-10

TL

TL 11 to TL 12

Project No.

Report No.

Basin:

MH No. / Main:

Tyler J. Molatore

10/16/2017

Tested By:

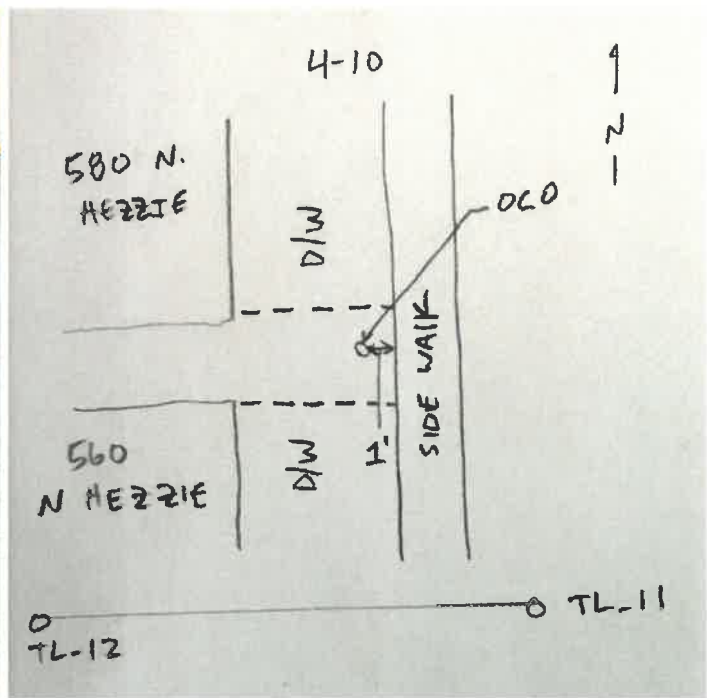
Date:

TESTING CODE	PHOTOGRAPHS
LSL = Leaking Service Lateral	<u>No.</u> <u>Description</u>
LML = Leaking Main Line	1      Open cleanout
CB = Catch Basin	_____
LMH = Leaking Manhole	_____
OCO = Open Cleanout	_____
PHV = Plugged House Vent	_____
RD = Roof Drain	_____

**Comments**

- Open cleanout adjacent to electrical box, in between driveways.
- Also refer to aerial on following page.
- 
- 
- 

**SKETCH**



# AERIAL



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

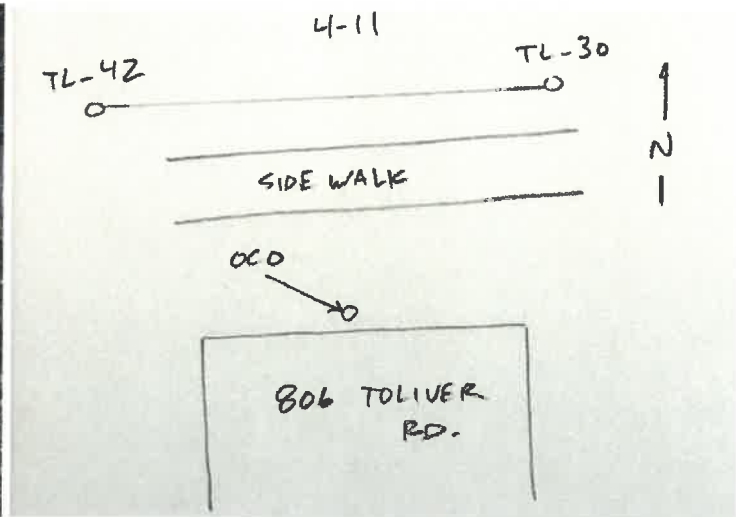
Molalla Smoke Testing		806 Toliver Rd	
Project Name :		Location / Address:	
100.26	4-11	TL	TL 30 to TL 42
Project No.	Report No.	Basin:	MH No. / Main:
Tyler J. Molatore			10/16/2017
Tested By:		Date:	

TESTING CODE	PHOTOGRAPHS														
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table border="0" style="width: 100%;"> <thead> <tr> <th style="text-align: center; width: 10%;">No.</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Open cleanout</td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	Open cleanout										
No.	Description														
1	Open cleanout														

**Comments**

- Open cleanout located to the right of the front porch.
- 
- 
- 
- 
- 

**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing

802 Toliver Road

Project Name :

Location / Address:

100.26

4-12

TL

TL 8 to TL 30

Project No.

Report No.

Basin:

MH No. / Main:

Tyler J. Molatore

10/16/2017

Tested By:

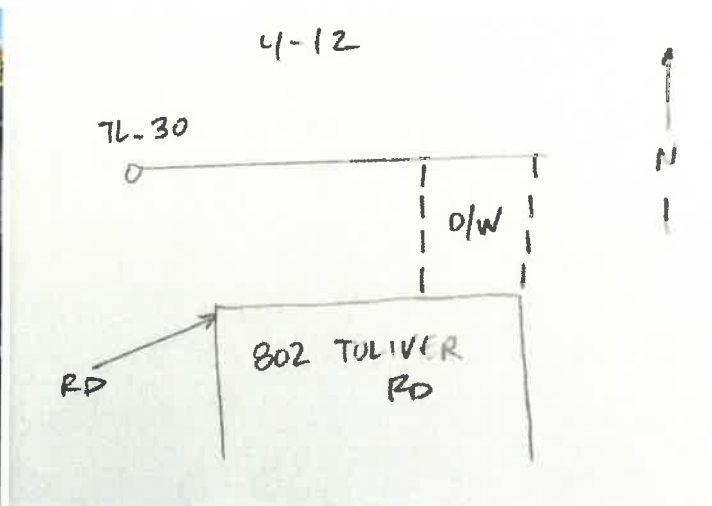
Date:

TESTING CODE	PHOTOGRAPHS												
<p>LSL = Leaking Service Lateral                      LML = Leaking Main Line                      CB = Catch Basin                      LMH = Leaking Manhole                      OCO = Open Cleanout                      PHV = Plugged House Vent                      RD = Roof Drain</p>	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;"><u>No.</u></th> <th style="text-align: center;"><u>Description</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Roof drain connected</td> </tr> <tr> <td style="text-align: center;">2</td> <td>Location of deficiency.</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	<u>No.</u>	<u>Description</u>	1	Roof drain connected	2	Location of deficiency.						
<u>No.</u>	<u>Description</u>												
1	Roof drain connected												
2	Location of deficiency.												

**Comments**

- Roof drain connected on northwest corner of house.
- Also refer to aerial on following page.

**SKETCH**





**AERIAL**



**PHOTOGRAPH No. 2**





# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

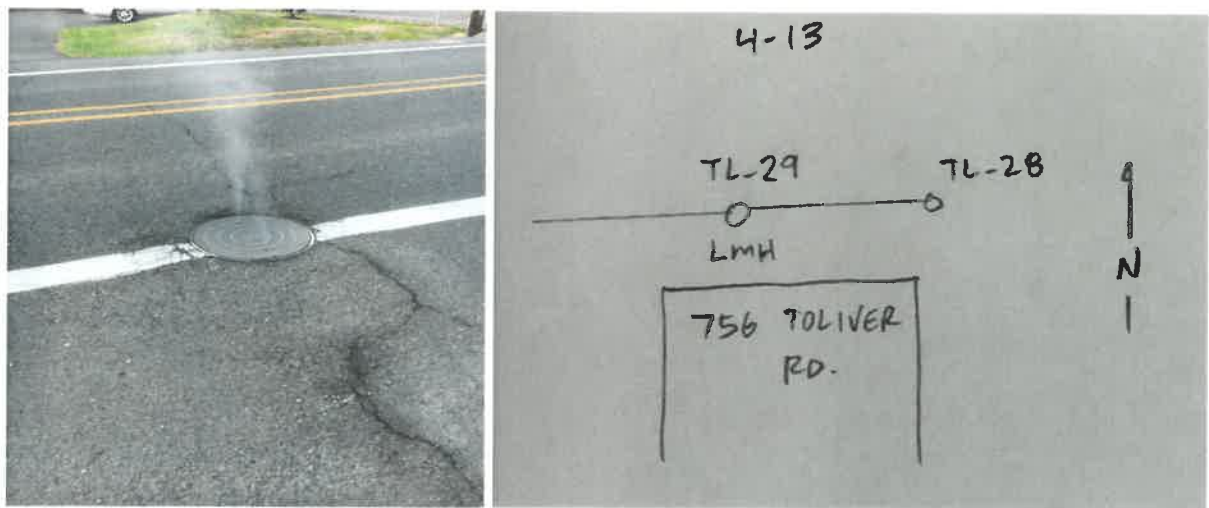
Project Name : <b>Molalla Smoke Testing</b>		Location / Address: <b>756 Toliver Road</b>	
Project No. <b>100.26</b>	Report No. <b>4-13</b>	Basin: <b>TL</b>	MH No. / Main: <b>TL 29</b>
Tested By: <b>Tyler J. Molatore</b>		Date: <b>10/16/2017</b>	

TESTING CODE	PHOTOGRAPHS												
<p>LSL = Leaking Service Lateral                      LML = Leaking Main Line                      CB = Catch Basin                      LMH = Leaking Manhole                      OCO = Open Cleanout                      PHV = Plugged House Vent                      RD = Roof Drain</p>	<table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center; border-bottom: 1px solid black;">No.</th> <th style="text-align: center; border-bottom: 1px solid black;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center; border-bottom: 1px solid black;">1</td> <td style="border-bottom: 1px solid black;">Leaking manhole</td> </tr> <tr> <td style="border-bottom: 1px solid black;"> </td> <td style="border-bottom: 1px solid black;"> </td> </tr> <tr> <td style="border-bottom: 1px solid black;"> </td> <td style="border-bottom: 1px solid black;"> </td> </tr> <tr> <td style="border-bottom: 1px solid black;"> </td> <td style="border-bottom: 1px solid black;"> </td> </tr> <tr> <td style="border-bottom: 1px solid black;"> </td> <td style="border-bottom: 1px solid black;"> </td> </tr> </tbody> </table>	No.	Description	1	Leaking manhole								
No.	Description												
1	Leaking manhole												

**Comments**

- Manhole was leaking around rim and surrounding cracks around manhole.
- 
- 
- 
- 
- 

**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

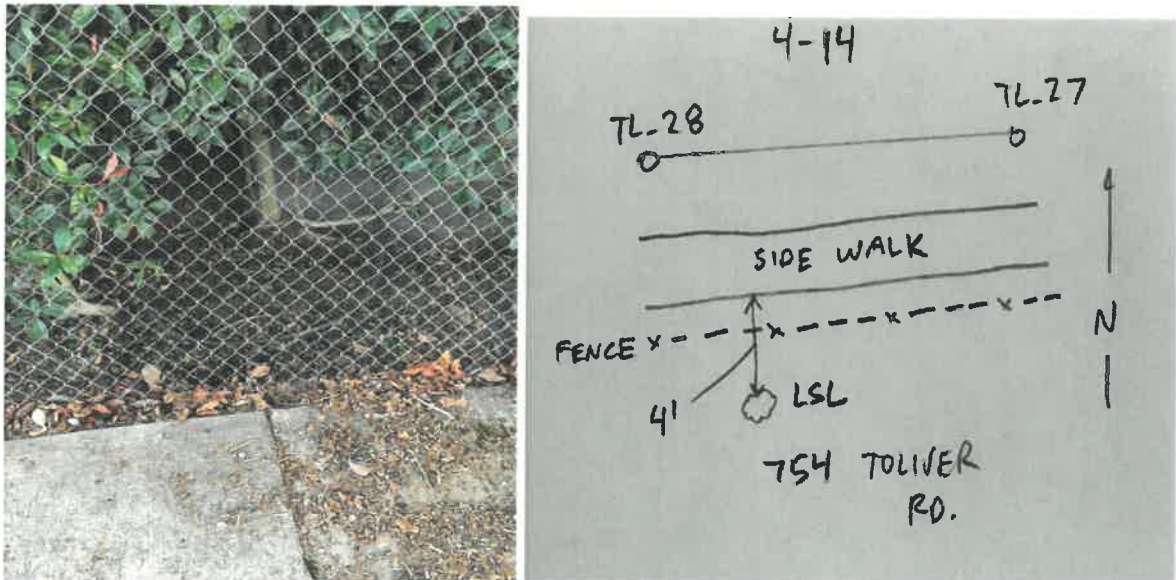
Molalla Smoke Testing		754 Toliver	
Project Name :		Location / Address:	
100.26	4-14	TL	TL 27 and TL 28
Project No.	Report No.	Basin:	MH No. / Main:
Tyler J. Molatore			10/16/2017
Tested By:			Date:

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;">No.</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Leaking service lateral</td> </tr> <tr> <td style="text-align: center;">2</td> <td>Location of deficiency.</td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	Leaking service lateral	2	Location of deficiency.						
No.	Description												
1	Leaking service lateral												
2	Location of deficiency.												

**Comments**

- Service lateral was leaking significantly immediately south of chain link fence. With brush, it was difficult to see, but there was a large amount of smoke, and the area was recessed.
- Also refer to aerial on following page.
- 
- 
- 

**SKETCH**



**AERIAL**



**PHOTOGRAPH No. 2**





# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

**Molalla Smoke Testing**

**516 Ridings**

Project Name :

Location / Address:

100.26

4-15

TL

TL 27 and TL 28

Project No.

Report No.

Basin:

MH No. / Main:

Tyler J. Molatore

10/16/2017

Tested By:

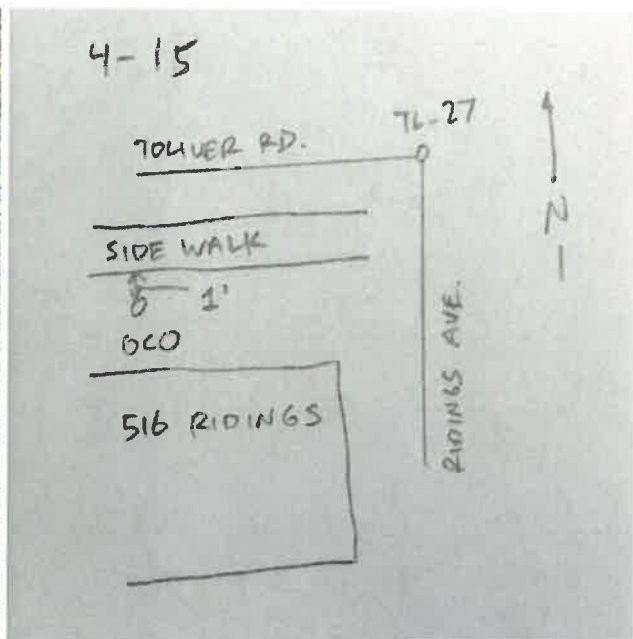
Date:

TESTING CODE	PHOTOGRAPHS												
<p>LSL = Leaking Service Lateral                      LML = Leaking Main Line                      CB = Catch Basin                      LMH = Leaking Manhole                      OCO = Open Cleanout                      PHV = Plugged House Vent                      RD = Roof Drain</p>	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;">No.</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Open cleanout</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	Open cleanout								
No.	Description												
1	Open cleanout												

**Comments**

- Open cleanout west of side walk. Exposed pipe was cracked.
- 
- 
- 
- 
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**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

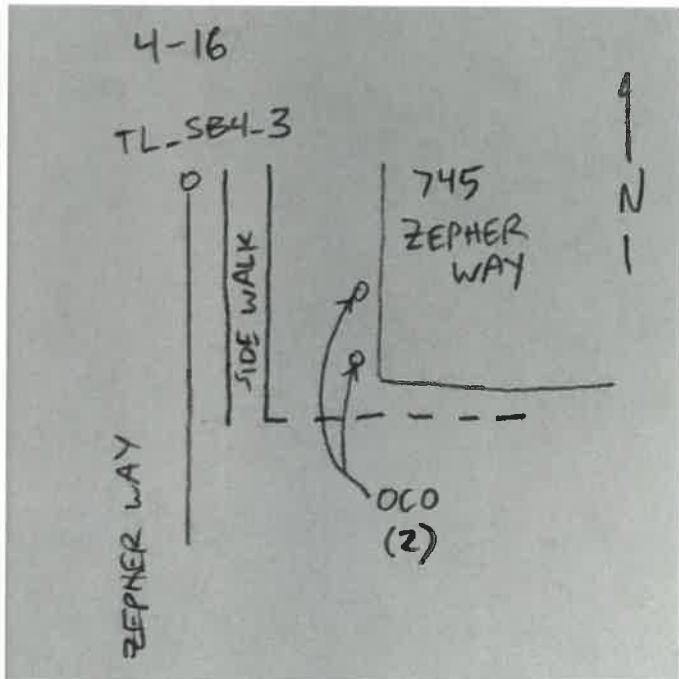
Molalla Smoke Testing		745 Zepher Way	
Project Name :		Location / Address:	
100.26	4-16	TL	TL SB4 2 and TL SB4 3
Project No.	Report No.	Basin:	MH No. / Main:
Tyler J. Molatore			10/17/2017
Tested By:			Date:

TESTING CODE	PHOTOGRAPHS														
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;">No.</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Two open cleanouts</td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	Two open cleanouts										
No.	Description														
1	Two open cleanouts														

**Comments**

- Two open cleanouts located approximately two and five feet from north side of drive way.
- 
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- 
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- 

**SKETCH**





# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

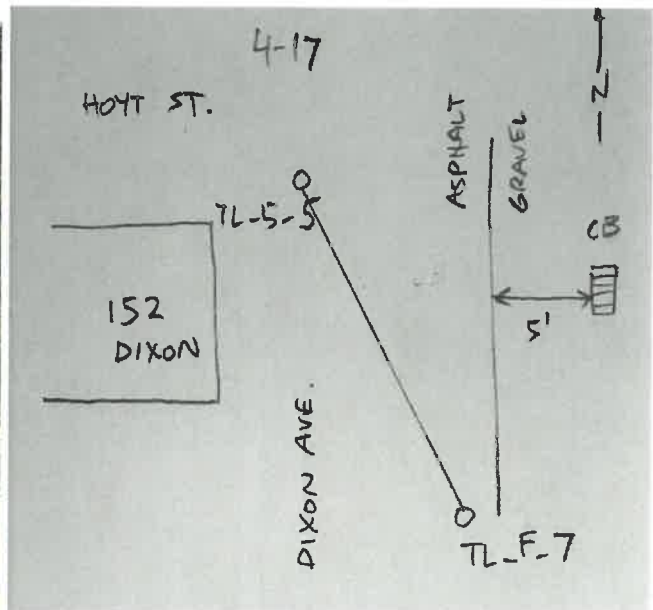
Molalla Smoke Testing		152 Dixon	
Project Name :	4-17	Location / Address:	TL F 5 and TL F 7
Project No.	Report No.	Basin:	MH No. / Main:
Tyler J. Molatore			10/17/2017
Tested By:		Date:	

TESTING CODE	PHOTOGRAPHS
LSL = Leaking Service Lateral	<u>No.</u> <u>Description</u>
LML = Leaking Main Line	1                      Catch basin
CB = Catch Basin	2                      Location of deficiency.
LMH = Leaking Manhole	_____
OCO = Open Cleanout	_____
PHV = Plugged House Vent	_____
RD = Roof Drain	_____

**Comments**

- Catch basin is tied into the sewer system. Catch basin is located in roadway ditch.
- Also refer to aerial on following page.
- 
- 
- 

**SKETCH**



**AERIAL**



**PHOTOGRAPH No. 2**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

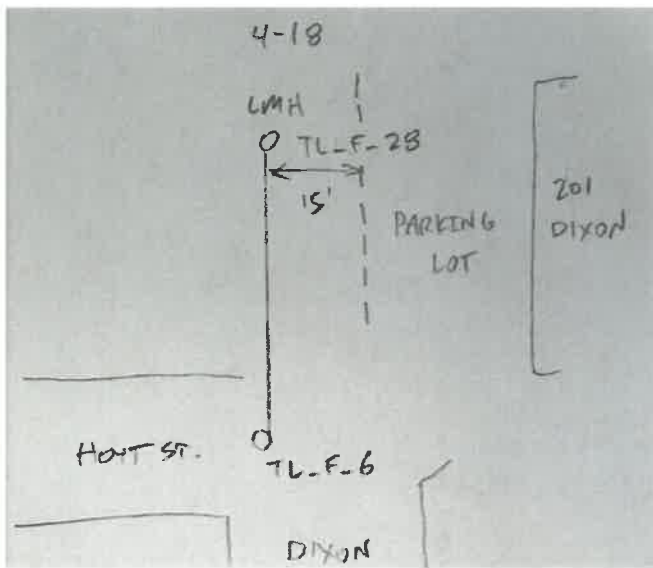
Molalla Smoke Testing		201 Dixon	
Project Name :		Location / Address:	
100.26	4-18	TL_F	TL F 28
Project No.	Report No.	Basin:	MH No. / Main:
Tyler J. Molatore			10/17/2017
Tested By:			Date:

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;">No.</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Leaking manhole</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	Leaking manhole								
No.	Description												
1	Leaking manhole												

**Comments**

- Manhole located to the west of the parking lot was leaking into surrounding soil.
- Also refer to the aerial on the following page.
- 
- 
- 

**SKETCH**





**AERIAL**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing

501 Kae Ct.

Project Name :

Location / Address:

100.26

4-19

TL\_F

TL\_F\_12

Project No.

Report No.

Basin:

MH No. / Main:

Tyler J. Molatore

10/17/2017

Tested By:

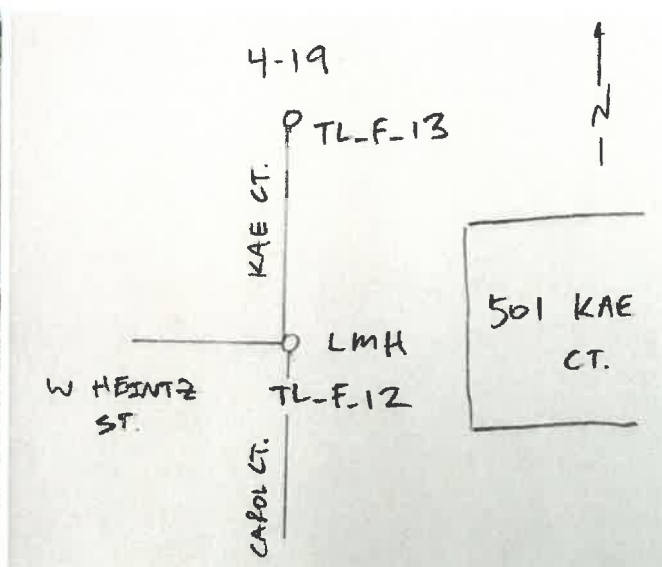
Date:

TESTING CODE	PHOTOGRAPHS
LSL = Leaking Service Lateral	<u>No.</u> <u>Description</u>
LML = Leaking Main Line	1      Leaking manhole
CB = Catch Basin	_____
LMH = Leaking Manhole	_____
OCO = Open Cleanout	_____
PHV = Plugged House Vent	_____
RD = Roof Drain	_____

**Comments**

- We set up the smoke machine on this manhole and smoke exited from cracks in adjacent asphalt.
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

**SKETCH**





# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing

31291 South Highway 213

Project Name :

Location / Address:

100.26

4-20

BC SB1

BC C 91

Project No.

Report No.

Basin:

MH No. / Main:

Tyler J. Molatore

10/17/2017

Tested By:

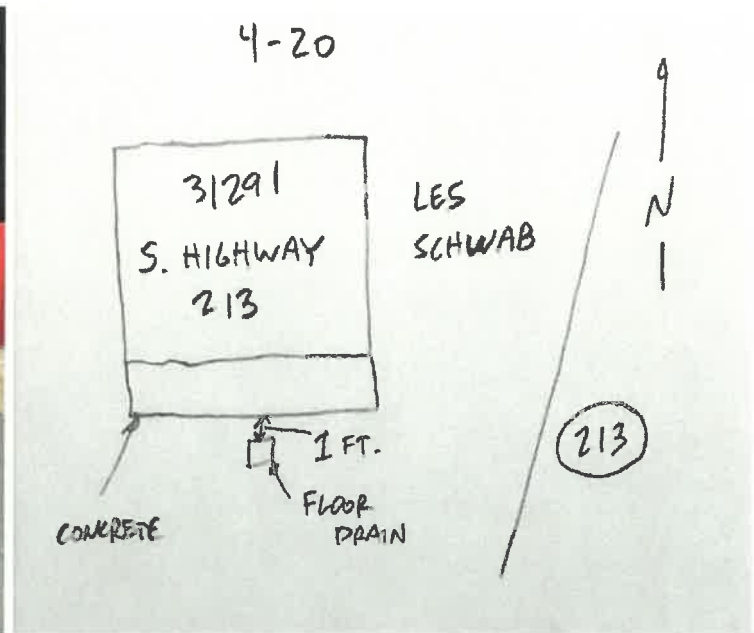
Date:

TESTING CODE	PHOTOGRAPHS
LSL = Leaking Service Lateral	<u>No.</u> <u>Description</u>
LML = Leaking Main Line	1      Floor drains connected
CB = Catch Basin	_____
LMH = Leaking Manhole	_____
OCO = Open Cleanout	_____
PHV = Plugged House Vent	_____
RD = Roof Drain	_____

**Comments**

- All of the floor drains in Les Schwab are connected to the gravity sewer mains. Smoke exited throughout floor drains.
- Picture is showing location where all of the floor drains are connected, to the south of the building.
- Also refer to aerial on following page.
- 
- 

**SKETCH**



**AERIAL**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

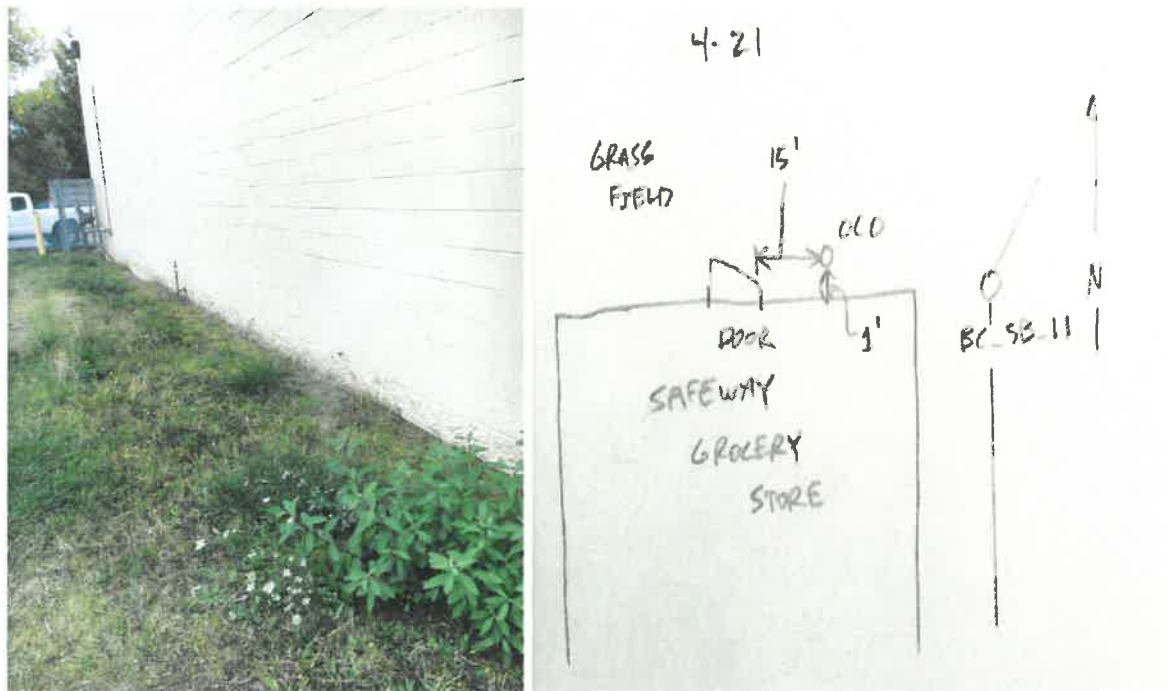
Molalla Smoke Testing		1535 Highway 211	
Project Name :		Location / Address:	
100.26	4-21	BC SB1	BC SB1 11 to SB SB1 6
Project No.	Report No.	Basin:	MH No. / Main:
Tyler J. Molatore			10/17/2017
Tested By:		Date:	

TESTING CODE	PHOTOGRAPHS
LSL = Leaking Service Lateral	<u>No.</u> <u>Description</u>
LML = Leaking Main Line	1    Open cleanout
CB = Catch Basin	_____
LMH = Leaking Manhole	_____
OCO = Open Cleanout	_____
PHV = Plugged House Vent	_____
RD = Roof Drain	_____

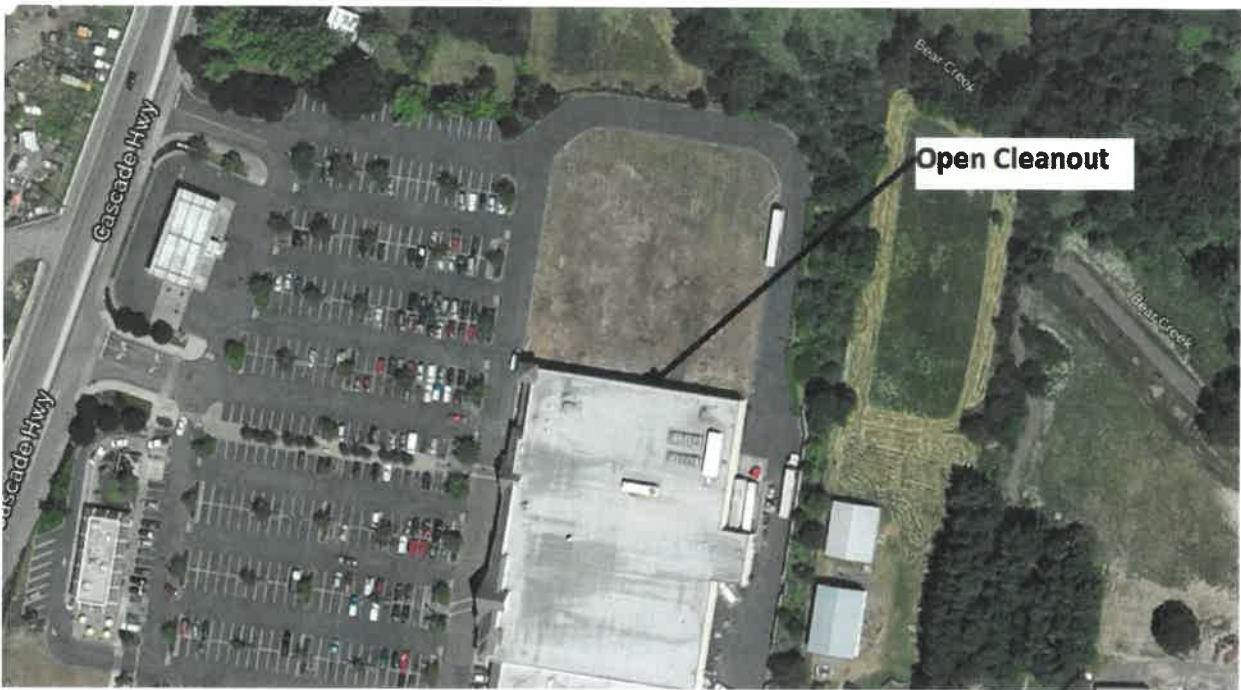
**Comments**

- There was an open cleanout to the north of the Safeway building. The pipe is a few inches below ground level, and probably receives quite a bit of inflow.
- Also refer to aerial on following page.
- 
- 
- 

**SKETCH**



**AERIAL**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing

180 Industrial Way

Project Name :

Location / Address:

100.26

4-22

BC B

BC B 8 and BC B 9

Project No.

Report No.

Basin:

MH No. / Main:

Tyler J. Molatore

10/17/2017

Tested By:

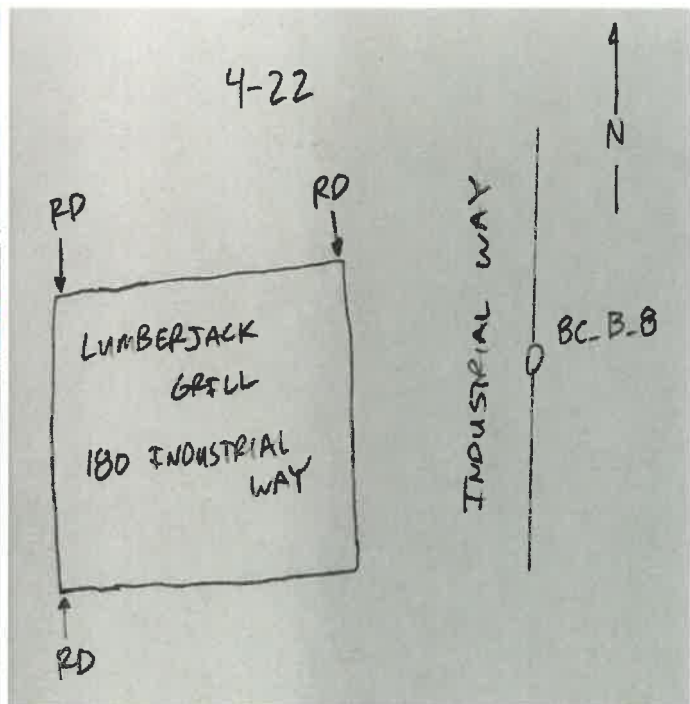
Date:

TESTING CODE	PHOTOGRAPHS
LSL = Leaking Service Lateral	<u>No.</u>
LML = Leaking Main Line	<u>Description</u>
CB = Catch Basin	1 Roof drains connected (multiple)
LMH = Leaking Manhole	
OCO = Open Cleanout	
PHV = Plugged House Vent	
RD = Roof Drain	

### Comments

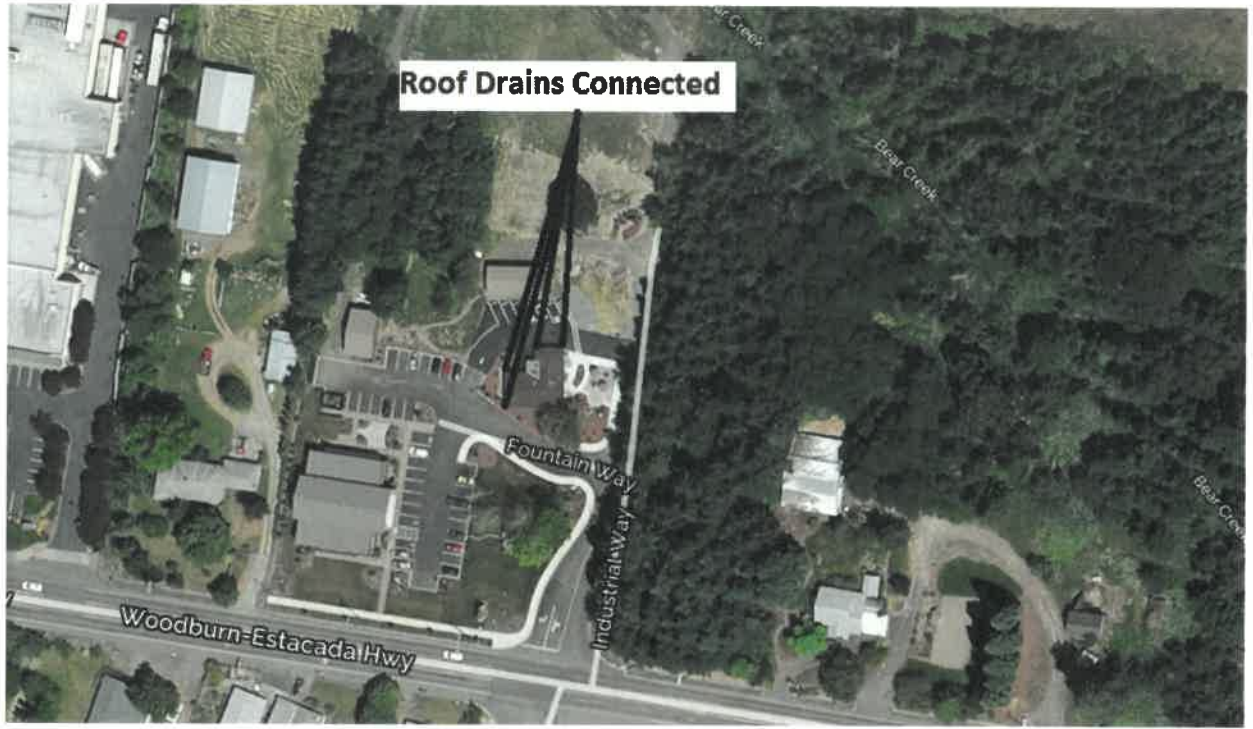
- The roof drains on the Lumberjack Restaurant are all connected to the sewer system. The roof drains to the north and south of the building are all connected. Photo shows drains connected to the north.
- Also refer to aerial on following page.
- 
- 
- 

### SKETCH





# AERIAL



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

**Molalla Smoke Testing**

**Commercial Parkway**

Project Name :

Location / Address:

100.26

4-23

BC B

BC B 11 and BC B 12

Project No.

Report No.

Basin:

MH No. / Main:

Tyler J. Molatore

10/17/2017

Tested By:

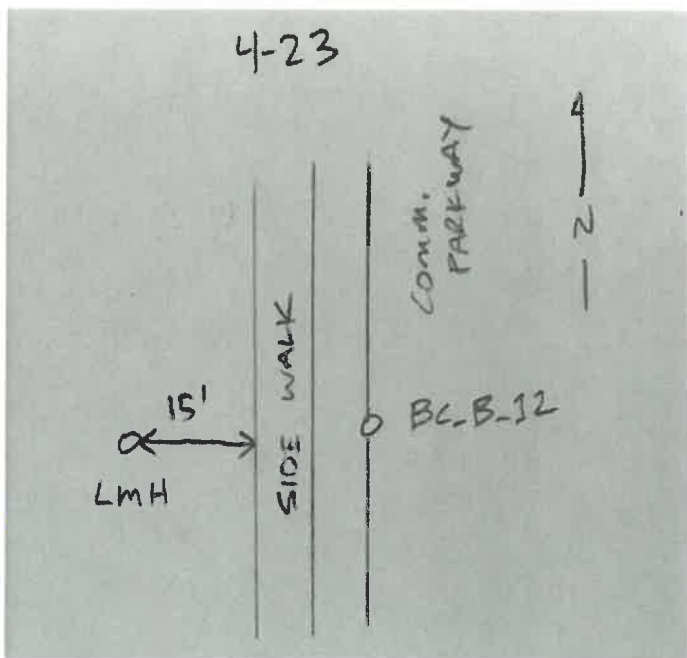
Date:

TESTING CODE	PHOTOGRAPHS												
<p>LSL = Leaking Service Lateral                      LML = Leaking Main Line                      CB = Catch Basin                      LMH = Leaking Manhole                      OCO = Open Cleanout                      PHV = Plugged House Vent                      RD = Roof Drain</p>	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;">No.</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Leaking manhole</td> </tr> <tr> <td style="text-align: center;">2</td> <td>Location of deficiency.</td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	Leaking manhole	2	Location of deficiency.						
No.	Description												
1	Leaking manhole												
2	Location of deficiency.												

**Comments**

- Manhole was unmarked and located approximately 15ft to the west of the sidewalk, due west of BC B 12. Smoke exited from around manhole.
- Also refer to aerial on following page.
- 
- 
- 

**SKETCH**



# AERIAL



# PHOTOGRAPH No. 2





# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

**Molalla Smoke Testing**

Project Name :

100.26

Project No.

Tyler J. Molatore

Tested By:

4-24

Report No.

**Commercial Parkway**

Location / Address:

BC B

Basin:

BC B 11 and BC B 12

MH No. / Main:

10/17/2017

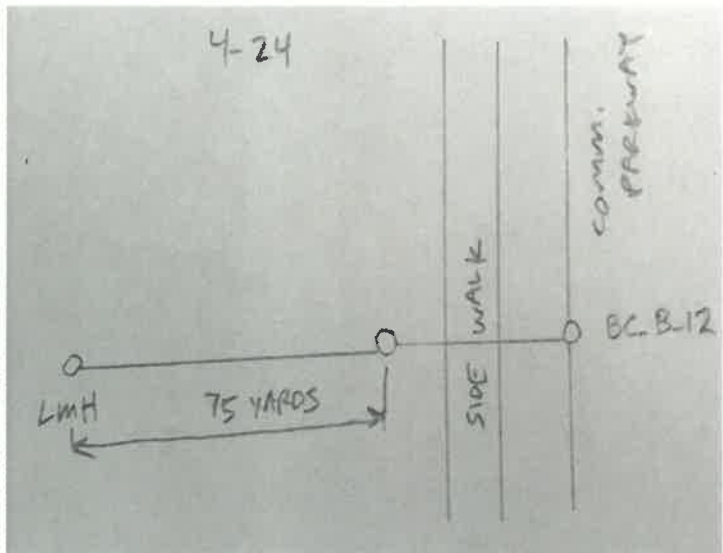
Date:

TESTING CODE	PHOTOGRAPHS
LSL = Leaking Service Lateral	<u>No.</u> <u>Description</u>
LML = Leaking Main Line	1      Leaking manhole
CB = Catch Basin	_____
LMH = Leaking Manhole	_____
OCO = Open Cleanout	_____
PHV = Plugged House Vent	_____
RD = Roof Drain	_____

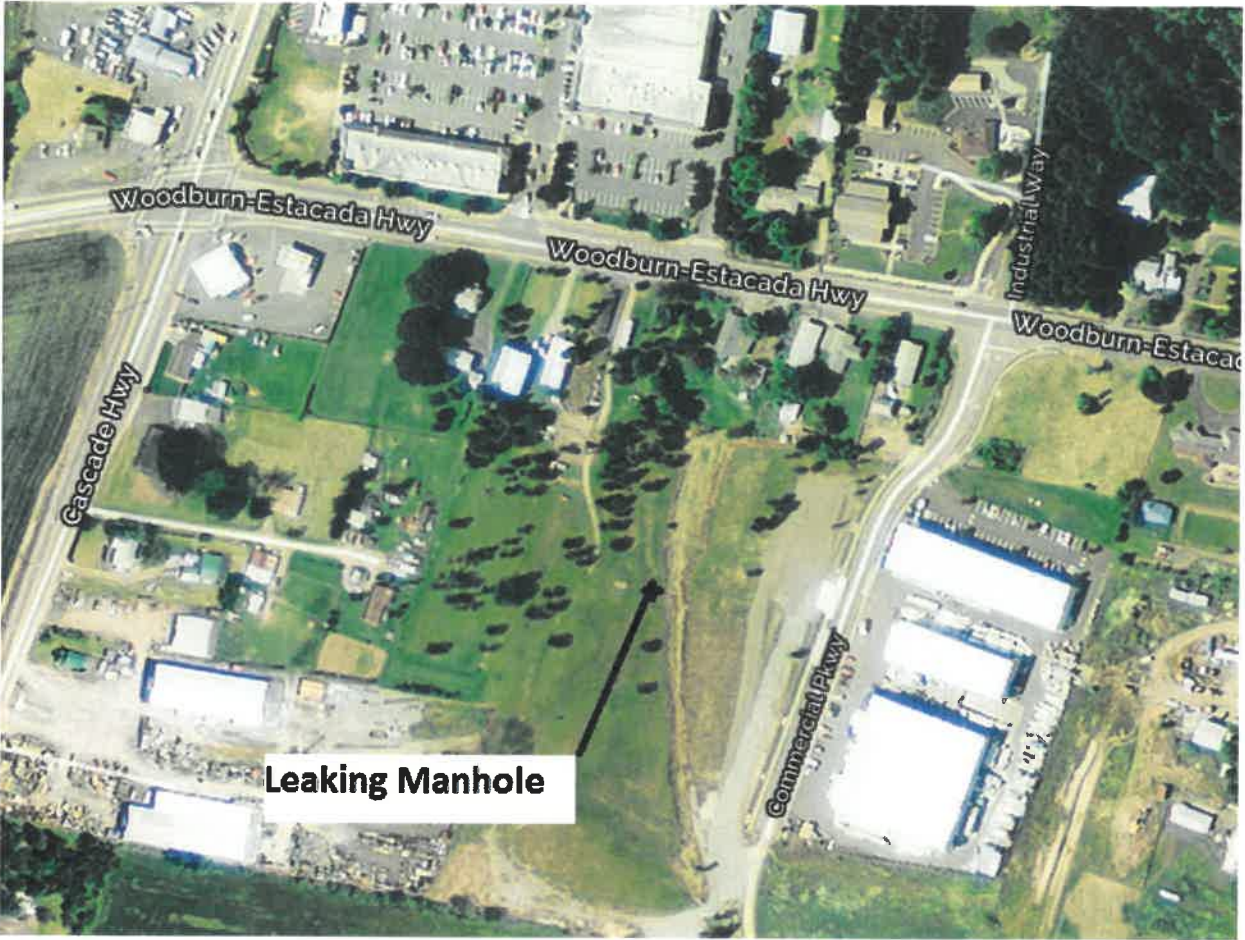
**Comments**

- Manhole was unmarked and located approximately 75 yards to the west of the sidewalk, due west of BC B 12. Smoke exited from around manhole. Manhole is located in field.
- Also refer to aerial on following page.
- 
- 
- 

**SKETCH**



**AERIAL**





# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing

825 East 7<sup>th</sup> St.

Project Name :

Location / Address:

100.26

4-25

TL A2

TL A2 2 and TL A2 5

Project No.

Report No.

Basin:

MH No. / Main:

Tyler J. Molatore

10/17/2017

Tested By:

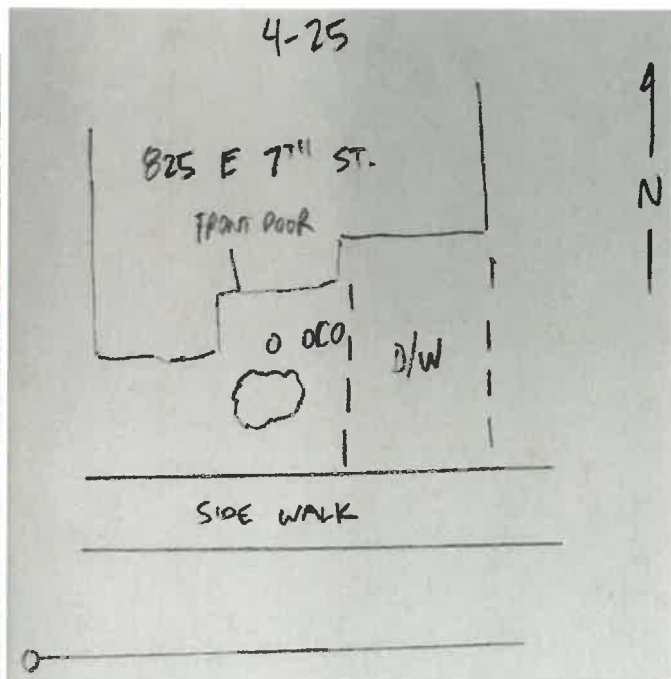
Date:

TESTING CODE	PHOTOGRAPHS														
<p>LSL = Leaking Service Lateral                      LML = Leaking Main Line                      CB = Catch Basin                      LMH = Leaking Manhole                      OCO = Open Cleanout                      PHV = Plugged House Vent                      RD = Roof Drain</p>	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;">No.</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Open cleanout</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	Open cleanout										
No.	Description														
1	Open cleanout														

**Comments**

- Open cleanout located immediately to the right of the front door.
- 
- 
- 
- 
- 

**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing

310 May Street

Project Name :

Location / Address:

100.26

4-26

BC A1

BC A1 5 and BC A1 14

Project No.

Report No.

Basin:

MH No. / Main:

Tyler J. Molatore

10/18/2017

Tested By:

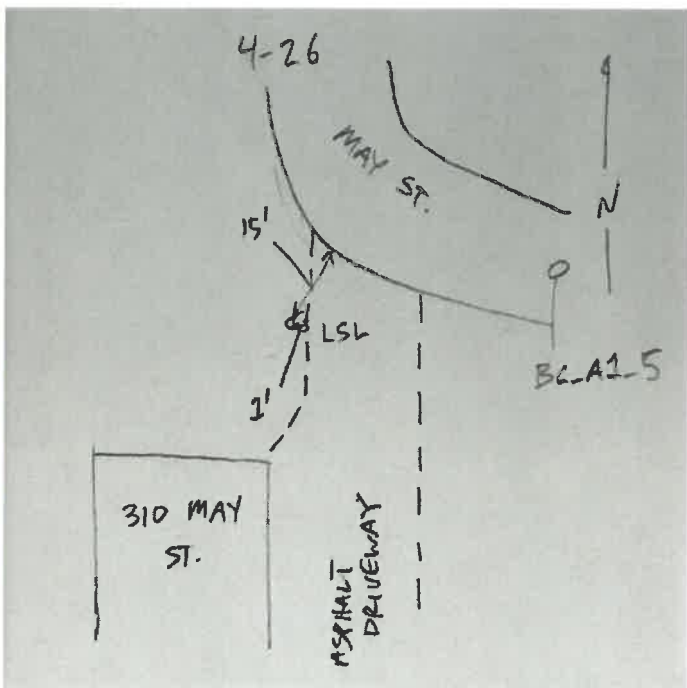
Date:

TESTING CODE	PHOTOGRAPHS
LSL = Leaking Service Lateral	<u>No.</u> <u>Description</u>
LML = Leaking Main Line	1                      Leaking service lateral
CB = Catch Basin	2                      Location of deficiency.
LMH = Leaking Manhole	
OCO = Open Cleanout	
PHV = Plugged House Vent	
RD = Roof Drain	

### Comments

- Service lateral was leaking to the west of the drive way, approximately 15 ft from May Street.
- Also refer to aerial on following page.
- 
- 
- 

### SKETCH



**AERIAL**



**PHOTOGRAPH No. 2**





# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing		645 South Taylor Street	
Project Name :	4-27	Location / Address:	BC A1 6 and BC A1 16
Project No.	Report No.	Basin:	MH No. / Main:
Tyler J. Molatore			10/18/2017
Tested By:		Date:	

TESTING CODE	PHOTOGRAPHS														
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;">No.</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Open cleanout</td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	Open cleanout										
No.	Description														
1	Open cleanout														

**Comments**

- Open cleanout located immediately to the right of the walk way, in the flower patches. It was leaking around the cleanout, suggesting something deficient underground.

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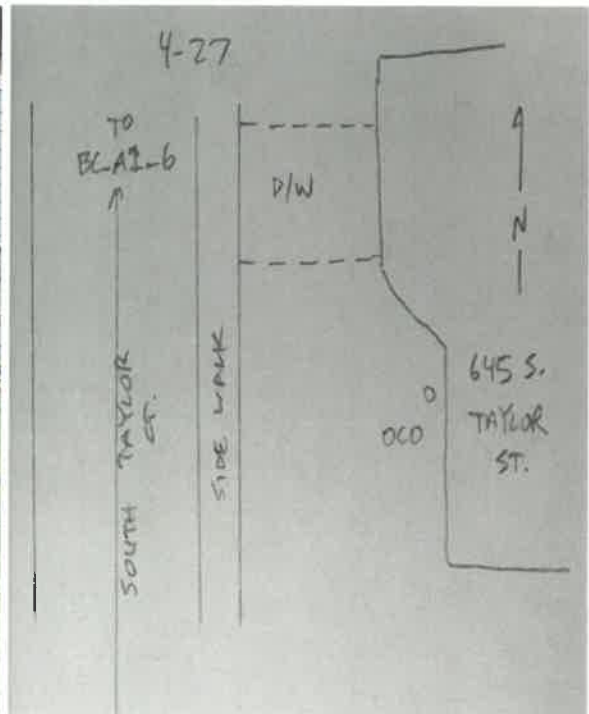


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**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

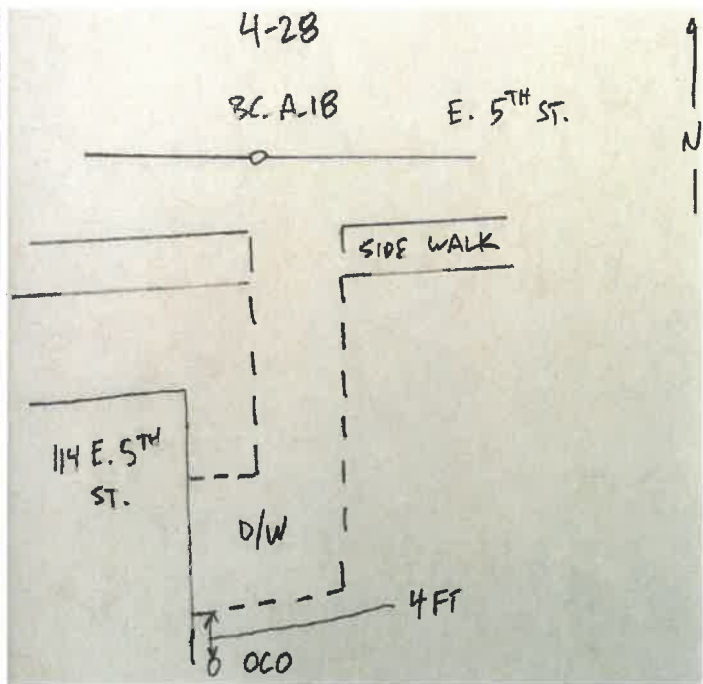
Molalla Smoke Testing		114 East 5th	
Project Name :		Location / Address:	
100.26	4-28	BC A	BC A 17 and BC A 18
Project No.	Report No.	Basin:	MH No. / Main:
Tyler J. Molatore			10/18/2017
Tested By:		Date:	

TESTING CODE	PHOTOGRAPHS
LSL = Leaking Service Lateral	<u>No.</u> <u>Description</u>
LML = Leaking Main Line	1      Open cleanout
CB = Catch Basin	_____
LMH = Leaking Manhole	_____
OCO = Open Cleanout	_____
PHV = Plugged House Vent	_____
RD = Roof Drain	_____

**Comments**

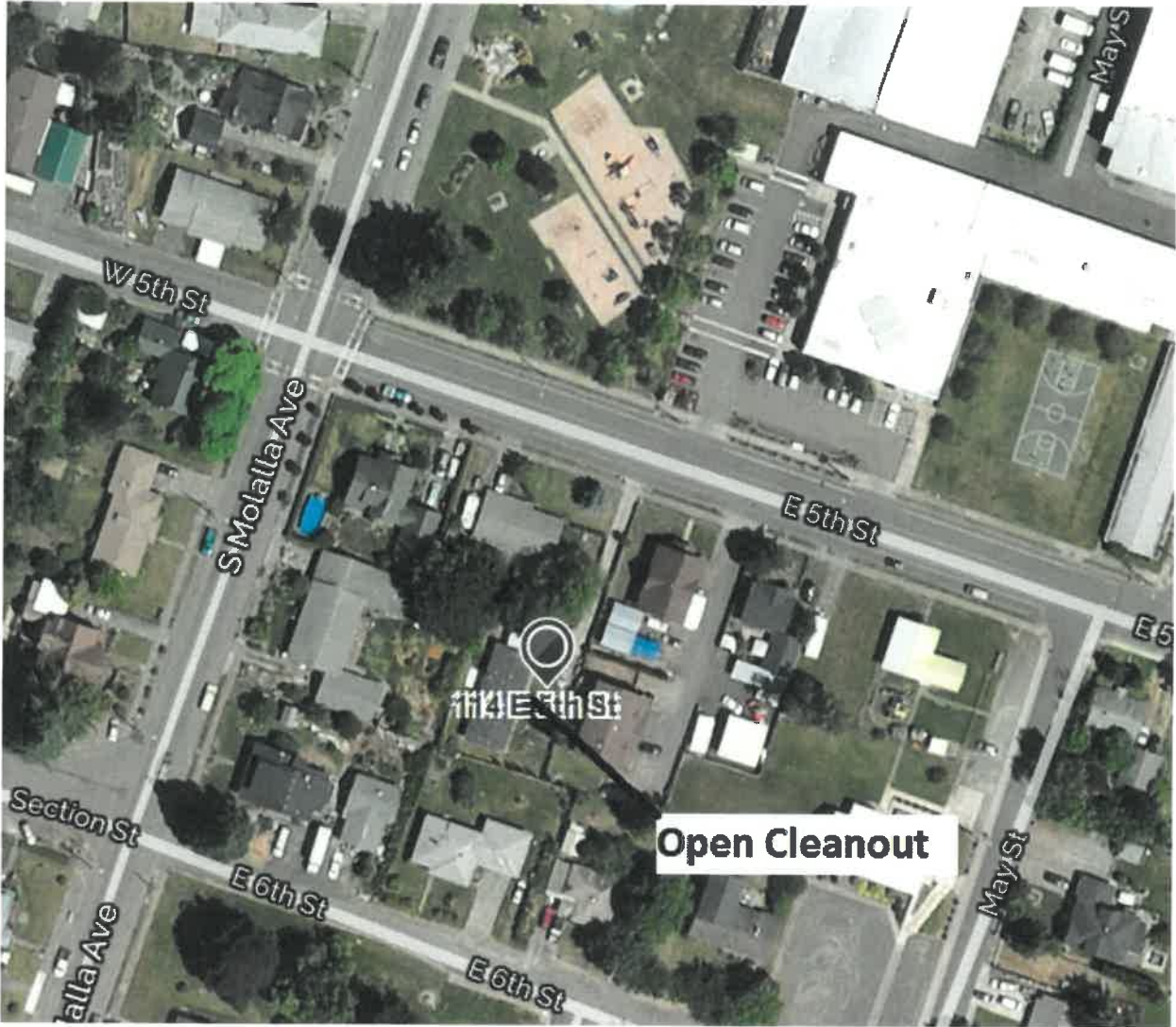
- Open cleanout located south of the concrete drive way, and just north of the electric meter.
- Also refer to aerial on following page.
- 
- 
- 

**SKETCH**





**AERIAL**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

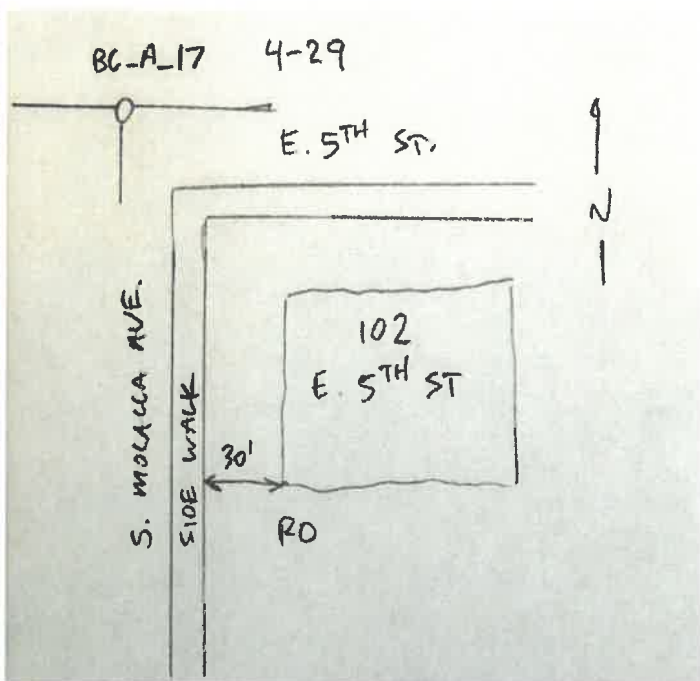
Molalla Smoke Testing	102 East 5th	
Project Name :	Location / Address:	
100.26	4-29	BC A
Project No.	Report No.	Basin:
Tyler J. Molatore	10/18/2017	MH No. / Main:
Tested By:	Date:	

TESTING CODE	PHOTOGRAPHS												
LSL = Leaking Service Lateral LML = Leaking Main Line CB = Catch Basin LMH = Leaking Manhole OCO = Open Cleanout PHV = Plugged House Vent RD = Roof Drain	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%; text-align: center;">No.</th> <th style="text-align: center;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Roof drain connected</td> </tr> <tr> <td style="text-align: center;">2</td> <td>Location of deficiency.</td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> <tr> <td style="text-align: center;"> </td> <td> </td> </tr> </tbody> </table>	No.	Description	1	Roof drain connected	2	Location of deficiency.						
No.	Description												
1	Roof drain connected												
2	Location of deficiency.												

**Comments**

- The roof drain was connected to the sewer system. The drain on the southwest corner of the house was smoking.
- Also refer to aerial on following page.
- 
- 
- 

**SKETCH**





**AERIAL**



**PHOTOGRAPH No. 2**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing

615 South Molalla

Project Name :

Location / Address:

100.26

4-30

BC A

BC A 15 and BC A1 1

Project No.

Report No.

Basin:

MH No. / Main:

Tyler J. Molatore

10/18/2017

Tested By:

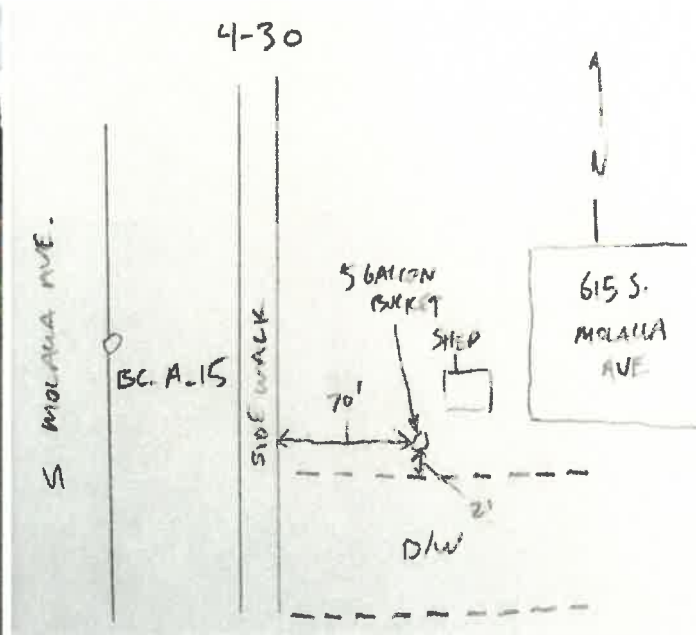
Date:

TESTING CODE	PHOTOGRAPHS
LSL = Leaking Service Lateral	<u>No.</u>
LML = Leaking Main Line	<u>Description</u>
CB = Catch Basin	1      Open cleanout
LMH = Leaking Manhole	
OCO = Open Cleanout	
PHV = Plugged House Vent	
RD = Roof Drain	

**Comments**

- Open cleanout is located to the north of the drive way. Suspected cleanout has 5 gallon bucket and concrete footing located above it. Smoke exited rapidly.
- Also refer to aerial on following page.

**SKETCH**







# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing

617 South Molalla

Project Name :

Location / Address:

100.26

4-31

BC A

BC A 15 and BC A1 1

Project No.

Report No.

Basin:

MH No. / Main:

Tyler J. Molatore

10/18/2017

Tested By:

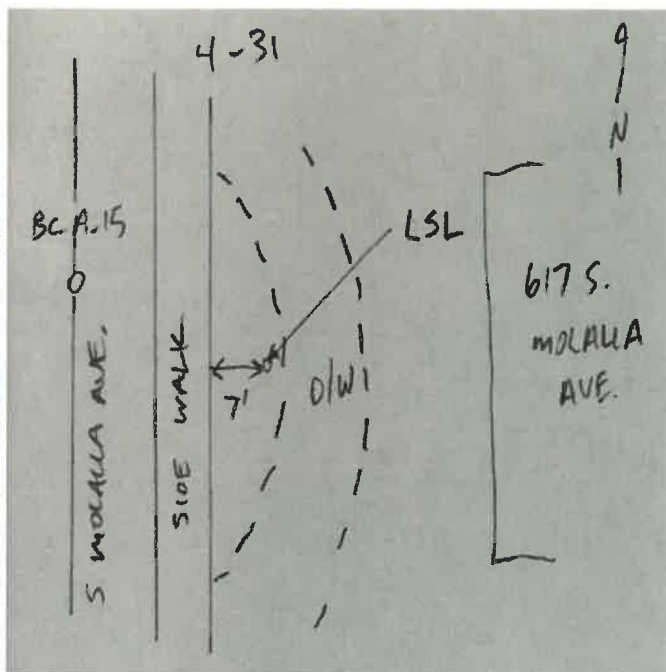
Date:

TESTING CODE	PHOTOGRAPHS
LSL = Leaking Service Lateral	<u>No.</u> <u>Description</u>
LML = Leaking Main Line	1      Leaking service lateral
CB = Catch Basin	_____
LMH = Leaking Manhole	_____
OCO = Open Cleanout	_____
PHV = Plugged House Vent	_____
RD = Roof Drain	_____

**Comments**

- Leaking service lateral or open cleanout located on western edge of gravel drive way. Smoke exited significantly.
- Also refer to aerial on following page.
- 
- 
- 

**SKETCH**





# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing

612 South Molalla

Project Name :

Location / Address:

100.26

4-32

BC A

BC A 15 and BC A 16

Project No.

Report No.

Basin:

MH No. / Main:

Tyler J. Molatore

10/18/2017

Tested By:

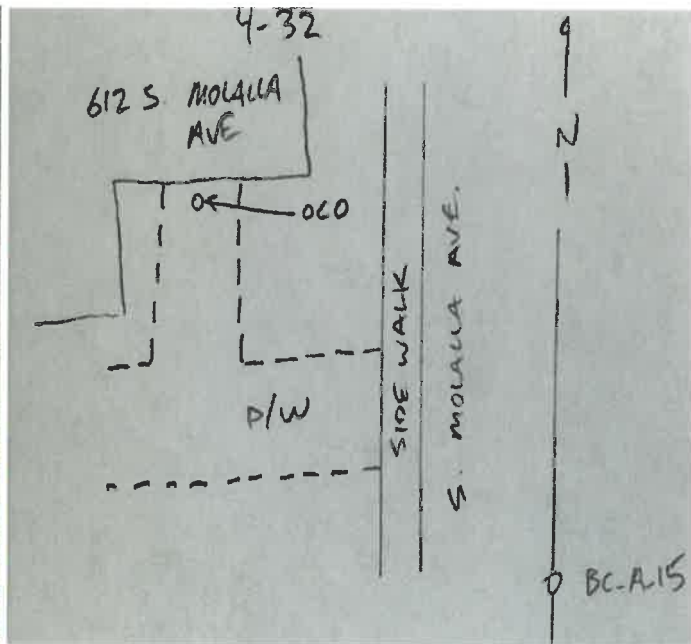
Date:

TESTING CODE	PHOTOGRAPHS
LSL = Leaking Service Lateral	<u>No.</u>
LML = Leaking Main Line	<u>Description</u>
CB = Catch Basin	1    Open cleanout
LMH = Leaking Manhole	
OCO = Open Cleanout	
PHV = Plugged House Vent	
RD = Roof Drain	

**Comments**

- Open cleanout located north of the driveway, immediately adjacent to the house.

**SKETCH**



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing

425 South Molalla

Project Name :

Location / Address:

100.26

4-33

BC A

BC A 17 and BC A 18

Project No.

Report No.

Basin:

MH No. / Main:

Tyler J. Molatore

10/18/2017

Tested By:

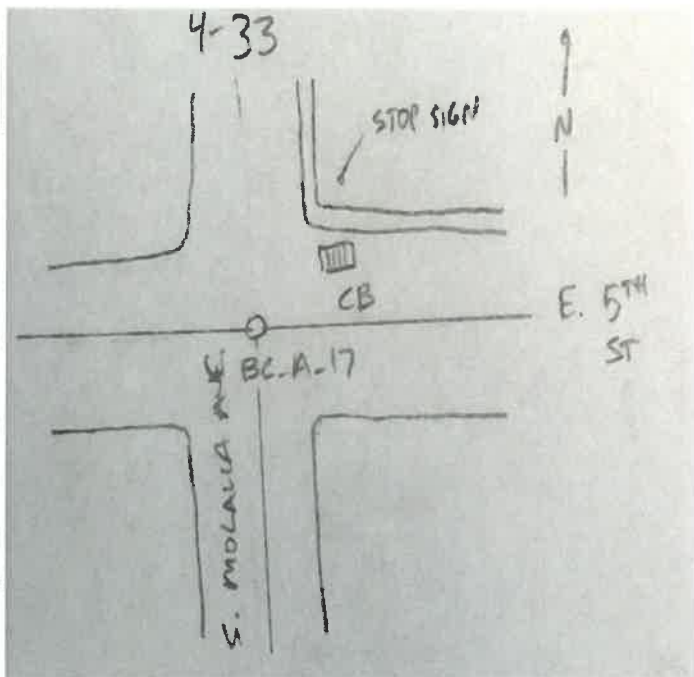
Date:

TESTING CODE	PHOTOGRAPHS
LSL = Leaking Service Lateral	<u>No.</u> <u>Description</u>
LML = Leaking Main Line	1                      Catch basin
CB = Catch Basin	2                      Location of deficiency.
LMH = Leaking Manhole	_____
OCO = Open Cleanout	_____
PHV = Plugged House Vent	_____
RD = Roof Drain	_____

**Comments**

- Catch basin was only lightly smoking, but it is connected to the sewer system. It's the catch basin located in the northeast of the intersection of East 5<sup>th</sup> and South Molalla.
- It's hard to tell from the picture that it's smoking. It was light.
- Also refer to aerial on following page.
- 
- 

**SKETCH**





**AERIAL**



**PHOTOGRAPH No. 2**





# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

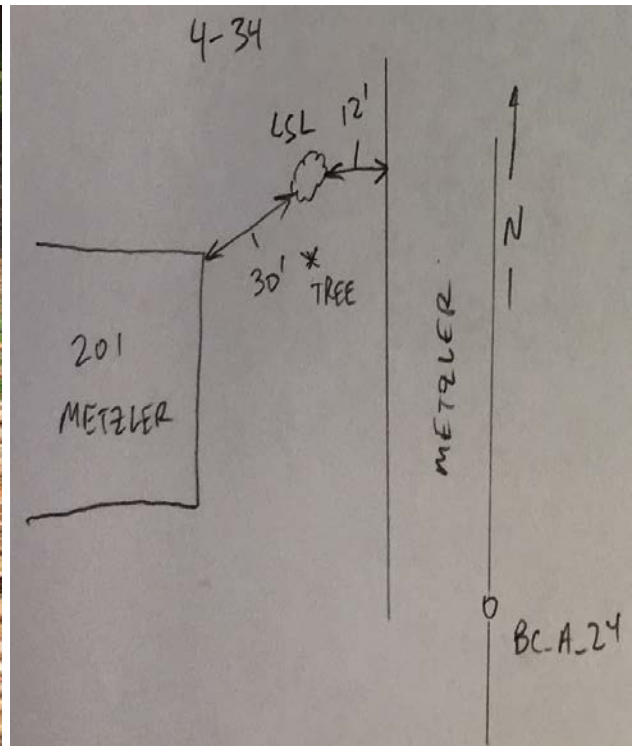
Molalla Smoke Testing	201 Metzler	
Project Name :	Location / Address:	
100.26	4-34	BC_A
Project No.	Report No.	Basin:
Tyler J. Molatore	10/18/2017	MH No. / Main:
Tested By:	Date:	

TESTING CODE	PHOTOGRAPHS
LSL = Leaking Service Lateral	<u>No.</u> <u>Description</u>
LML = Leaking Main Line	1      Leaking service lateral
CB = Catch Basin	
LMH = Leaking Manhole	
OCO = Open Cleanout	
PHV = Plugged House Vent	
RD = Roof Drain	

**Comments**

- Leaking service lateral located to the north of a small tree.
- Also refer to aerial on following page.
- 
- 
- 

**SKETCH**



## LOCATION



## AERIAL



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing

370 Metzler

Project Name :

Location / Address:

100.26

4-35

BC\_A

BC\_A 24 and BC\_A 26

Project No.

Report No.

Basin:

MH No. / Main:

Tyler J. Molatore

10/18/2017

Tested By:

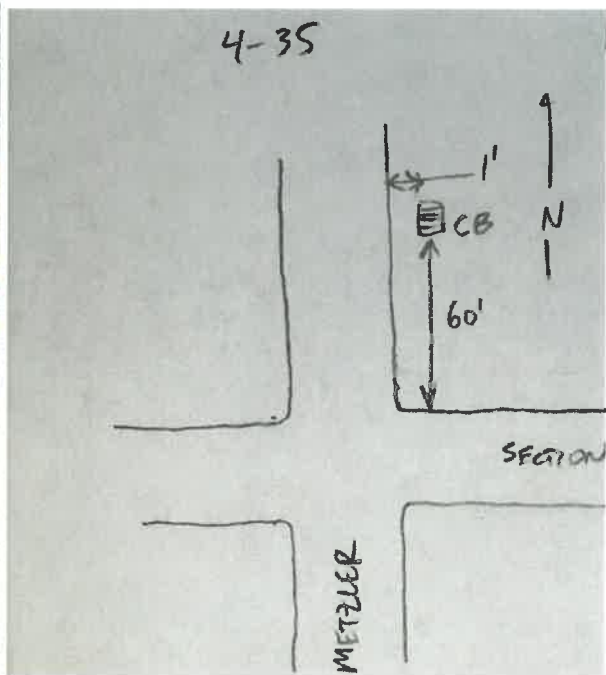
Date:

TESTING CODE	PHOTOGRAPHS	
LSL = Leaking Service Lateral	<u>No.</u>	<u>Description</u>
LML = Leaking Main Line	1	Catch basin
CB = Catch Basin		
LMH = Leaking Manhole		
OCO = Open Cleanout		
PHV = Plugged House Vent		
RD = Roof Drain		

**Comments**

- Catch basin is located underneath the black car. Smoke was rapidly existing from catch basin.
- Also refer to aerial on following page.

**SKETCH**





# AERIAL



# SMOKE TEST REPORT

The Dyer Partnership, Engineers & Planners, Inc.

Molalla Smoke Testing

370 Metzler

Project Name :

Location / Address:

100.26

4-36

BC A

BC A 16 and BC A 26

Project No.

Report No.

Basin:

MH No. / Main:

Tyler J. Molatore

10/18/2017

Tested By:

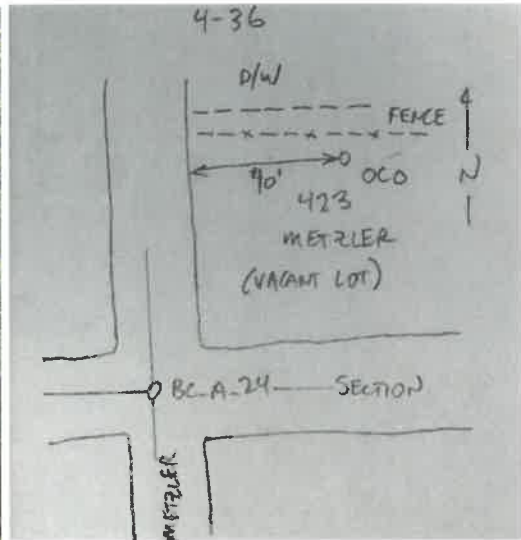
Date:

TESTING CODE	PHOTOGRAPHS	
LSL = Leaking Service Lateral	<u>No.</u>	<u>Description</u>
LML = Leaking Main Line	1	Open cleanout
CB = Catch Basin	_____	_____
LMH = Leaking Manhole	_____	_____
OCO = Open Cleanout	_____	_____
PHV = Plugged House Vent	_____	_____
RD = Roof Drain	_____	_____

**Comments**

- Open cleanout located to the south of the fence. Pipe extends approximately six feet into the air. Property is an abandoned house.
- Also refer to aerial on following page.

**SKETCH**





**AERIAL**



**APPENDIX B: SAMPLE NOTIFICATION LETTER**

---

CITY OF \_\_\_\_\_  
Address \_\_\_\_\_

1-541- \_\_\_\_\_

Date \_\_\_\_\_

Owner \_\_\_\_\_

Address \_\_\_\_\_

City, State \_\_\_\_\_

Subject Property \_\_\_\_\_

Dear Property Owner:

The City of \_\_\_\_\_ experiences high in-flows during the winter months. This can, in large part, be attributed to “holes” in the sewage collection and piping system. In an effort to locate these holes and reduce the high seasonal inflows, the City of \_\_\_\_\_ recently completed a City-wide smoke testing project. The project included pumping smoke into manholes and observing where the smoke escapes from the system. If smoke is observed leaving the sewer system through a “hole,” surface and/or groundwater is capable of entering the system through the same “hole.” The potential for one of these infiltration “holes” was discovered on your property and requires some immediate attention to correct the problem.

Some of the problems discovered are directly related to the infiltration waters that overload the sewer system during the winter months. Other problems are related to plumbing deficiencies outside the home that should be corrected.

A side benefit of the smoke testing project was that, in some cases, smoke was observed entering homes. While this could be a result of a dry or unused “trap” in a home’s plumbing, it could pose a serious health risk. If a trap is not present or not functioning properly, harmful sewer gases may find their way into a home. This type of plumbing deficiency should be corrected immediately.

The following sheet includes a checklist of potential problems discovered during the smoke testing project. If a problem is marked with an X, it requires the action described immediately after the marked description.

If for some reason you are unable to correct the problem in the time suggested, please contact \_\_\_\_\_. We are interested in correcting these problems and will help in any way we can to do that.

1. \_\_\_\_\_ DOES NOT HAVE A SEWER CONNECTION PERMIT ON RECORD.  
Please provide City Hall with date and contractor's name or obtain permit.
2. \_\_\_\_\_ RVs HOOKED INTO SEWER SYSTEM.  
Notification is hereby given to remove.
3. \_\_\_\_\_ PIPING OR LATERAL PIPE PROBLEMS ON SITE.  
Have plumbing inspection by qualified person. Report result to City Hall within two (2) weeks of this notice.
4. \_\_\_\_\_ RAIN GUTTERS CONNECTED TO SEWER SYSTEM.  
Immediate removal of roof drains from sewer system required. City personnel will be on site within two (2) weeks of the date of this notice to inspect the outfall of the roof drain system to confirm disconnection.
5. \_\_\_\_\_ AREA DRAIN OR OTHER SURFACE DRAINAGE SYSTEM TIED INTO SEWER SYSTEM.  
Immediate removal of area drains from sewer system required. City personnel will be on site within two (2) weeks of the date of this notice to inspect the area drain to confirm disconnection.
6. \_\_\_\_\_ UNCAPPED OR OPEN SEWER LATERAL CLEANOUT.  
Immediate cap of lateral cleanout required with water-tight cap. City personnel will be on site within two (2) weeks of the date of this notice to inspect the cleanout to confirm capping.
7. \_\_\_\_\_ SMOKE INSIDE HOUSE OR BUILDING.  
Have inspection and repairs performed by qualified plumber. Sewer gas passing into the home can pose a serious health risk.
8. \_\_\_\_\_ OTHER PROBLEM.  
\_\_\_\_\_  
\_\_\_\_\_

Please note that any of these problems are of a serious nature. Any items marked with an X require your immediate attention and cooperation. Please call \_\_\_\_\_ at (541)\_\_\_\_\_ if you have any questions. By reducing these high seasonal inflows to the sewer system, we can help reduce unnecessary sewer treatment costs and associated rate increases.

Thank you for your help in this matter.

Sincerely,

\_\_\_\_\_  
Public Works Director