

# GIS Services City of Corvallis

Kevin Loso Sr. GIS Analyst





How does the City of Corvallis  
use GIS?



# City of Corvallis Departments

City Manager's Office

Public Works

Park & Rec.

Police

Fire

Library

Community Development

IT

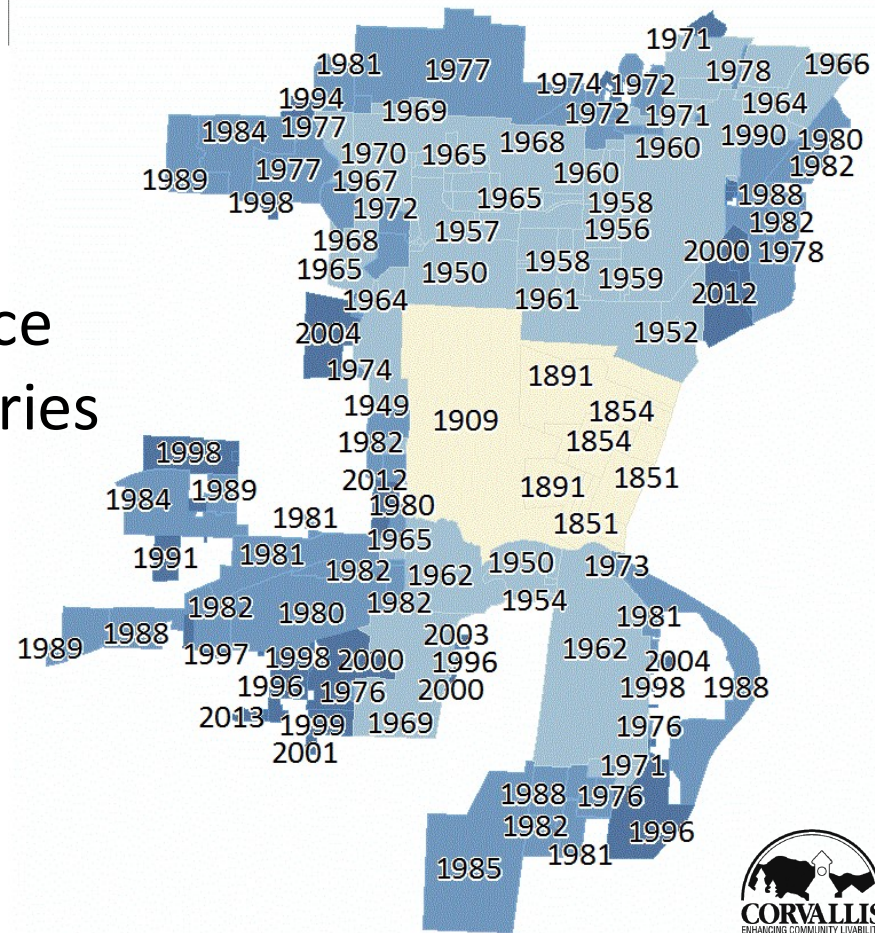






- Annexations
- Economic Development Office
- City Council & Ward Boundaries
- Census reporting

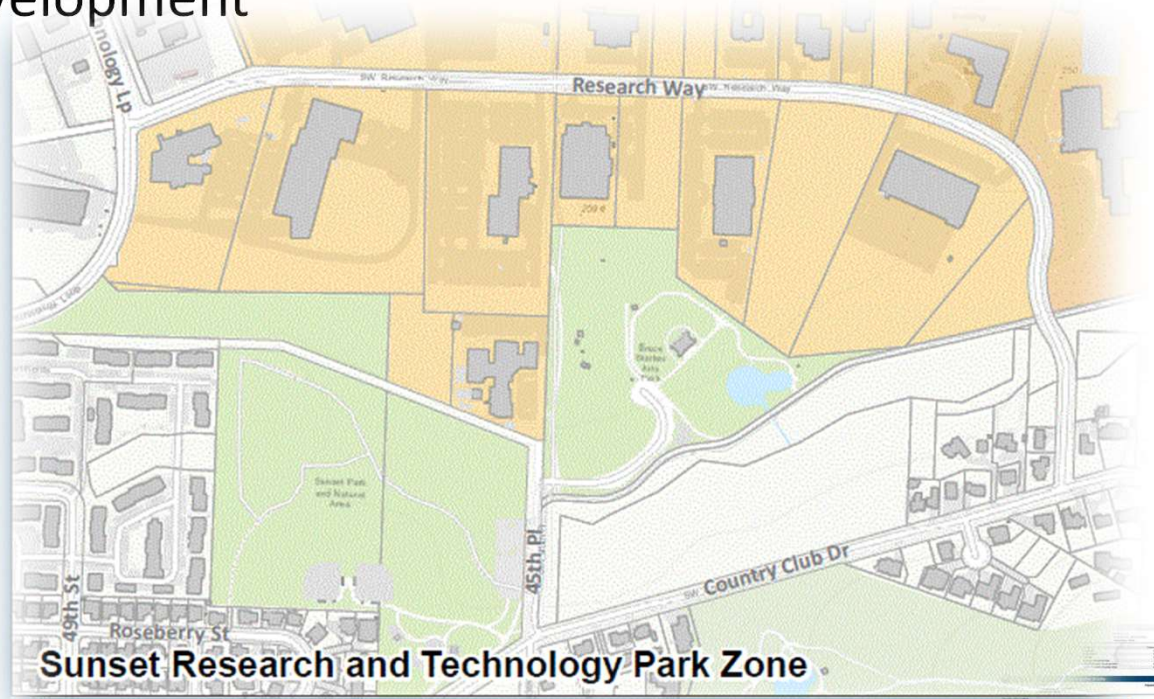
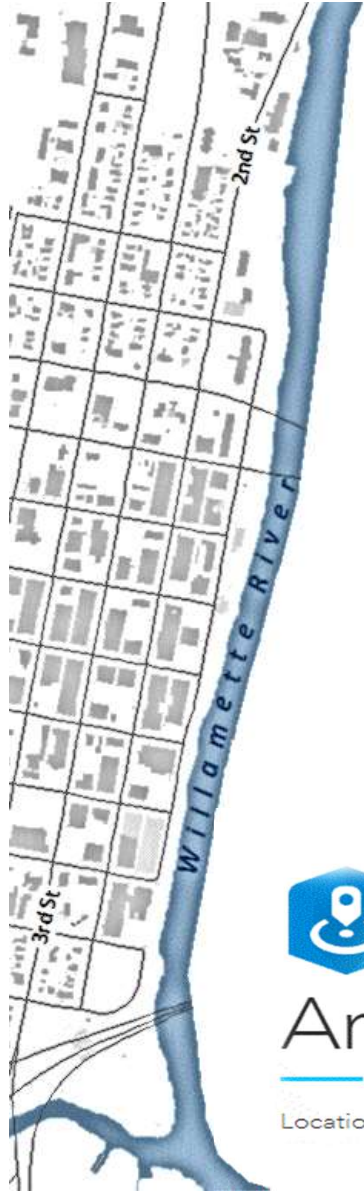
## City Manager's Office





# City Manager's Office

- Economic Development



Sunset Research and Technology Park Zone

Corvallis Enterprise Zone Boundaries



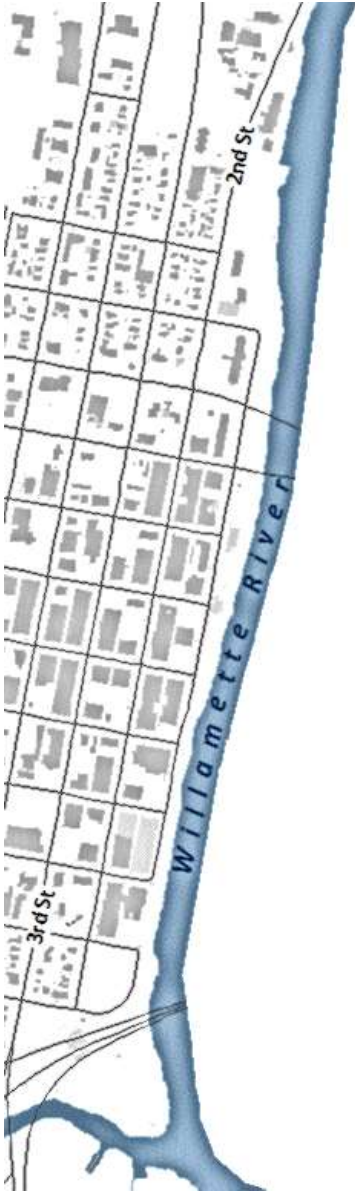
## ArcGIS Business Analyst

Location-based market intelligence



# City Manager's Office

## - City Council & Ward Boundaries



COUNCILOR WARD 7

**Paul Shaffer**

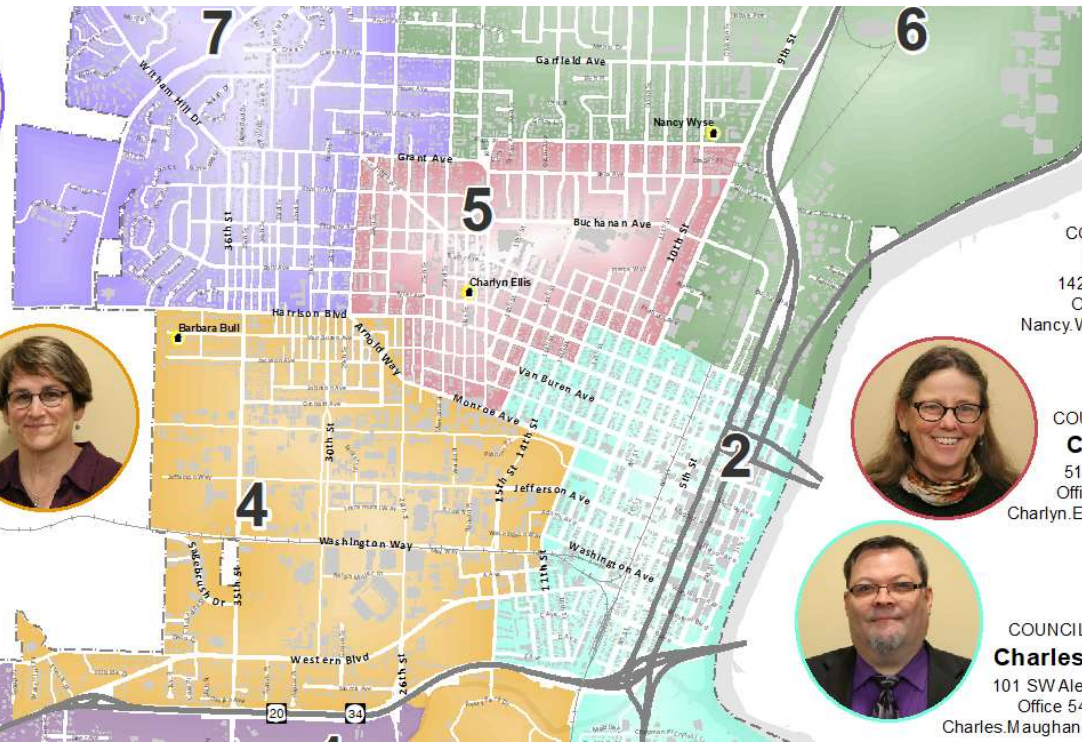
3338 NW McKinley Drive  
Office 541-766-6497  
Paul.Shaffer@corvallisoregon.gov



COUNCILOR WARD 4

**Barbara Bull**

3744 NW Van Buren Avenue  
Office 541-766-6494  
Barbara.Bull@corvallisoregon.gov



COUNCILOR WARD 6  
**Nancy Wyse**

1429 NW Highland Drive  
Office 541-766-6496  
Nancy.Wyse@corvallisoregon.gov



COUNCILOR WARD 5  
**Charlyn Ellis**

519 NW 21st Street  
Office 541-766-6495  
Charlyn.Ellis@corvallisoregon.gov



COUNCILOR WARD 2  
**Charles Maughan**

101 SW Alexander Avenue  
Office 541-766-6492  
Charles.Maughan@corvallisoregon.gov







- Crystal Reports
- ArcGIS
- AGOL

## Crime Analysis

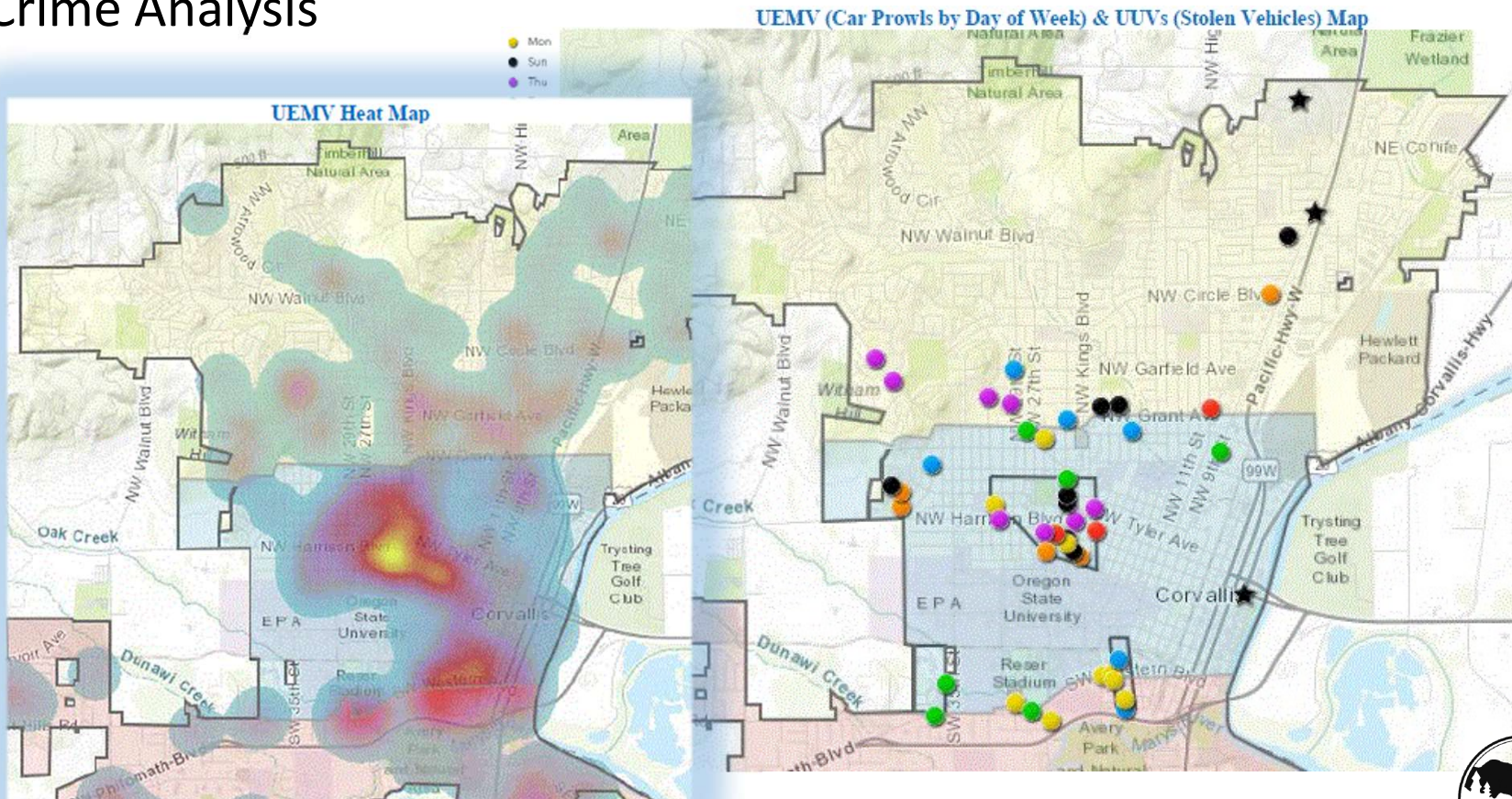
Police





# Police

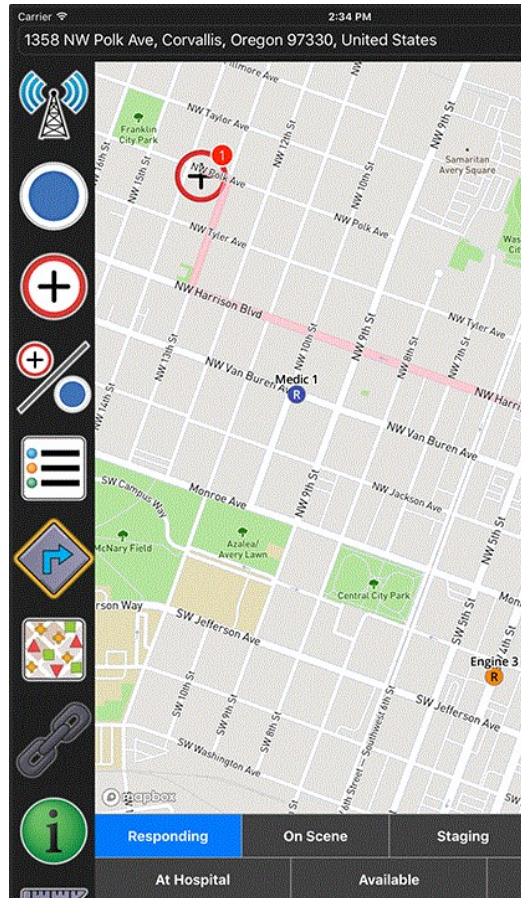
## Crime Analysis







## First Responders



- IncidentView

## Fire



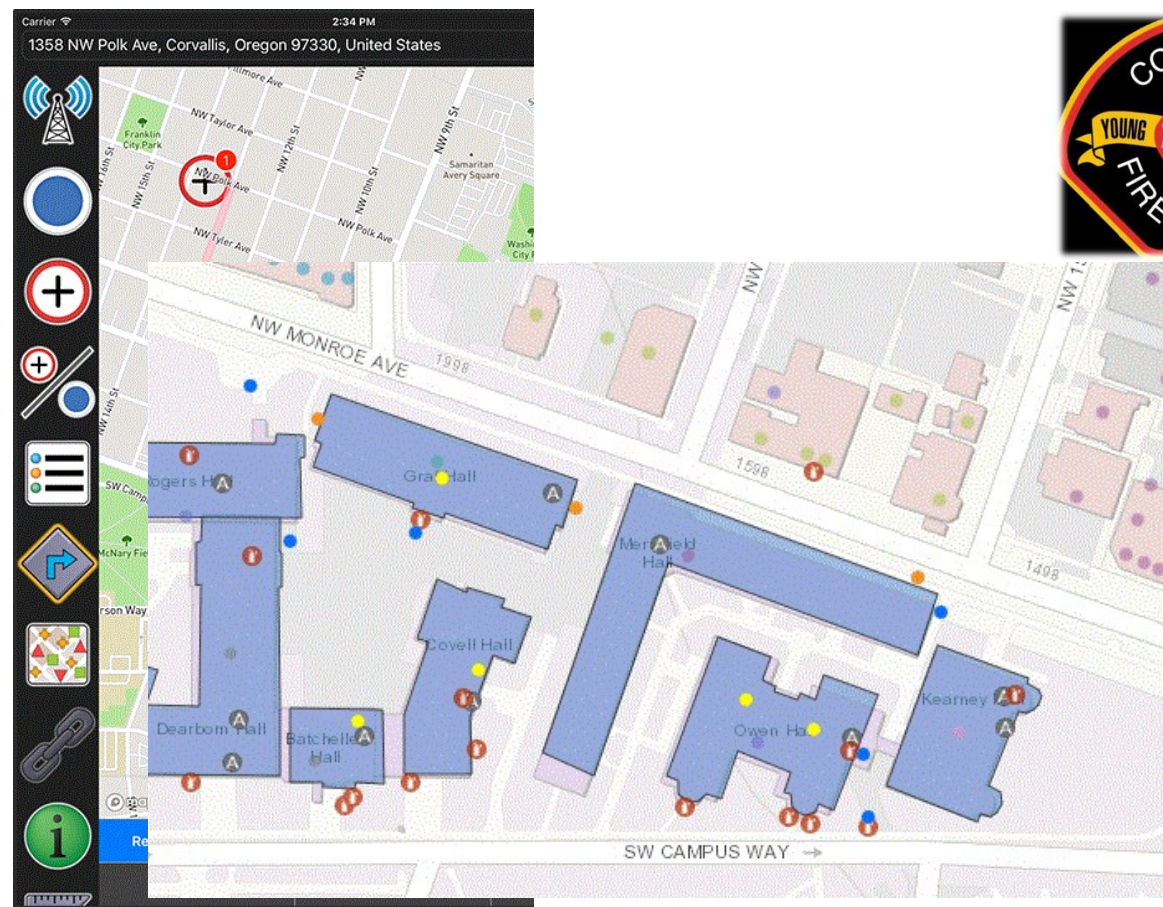




# First Responders

- IncidentView

# Fire





- Planning
- Housing

# Community Development

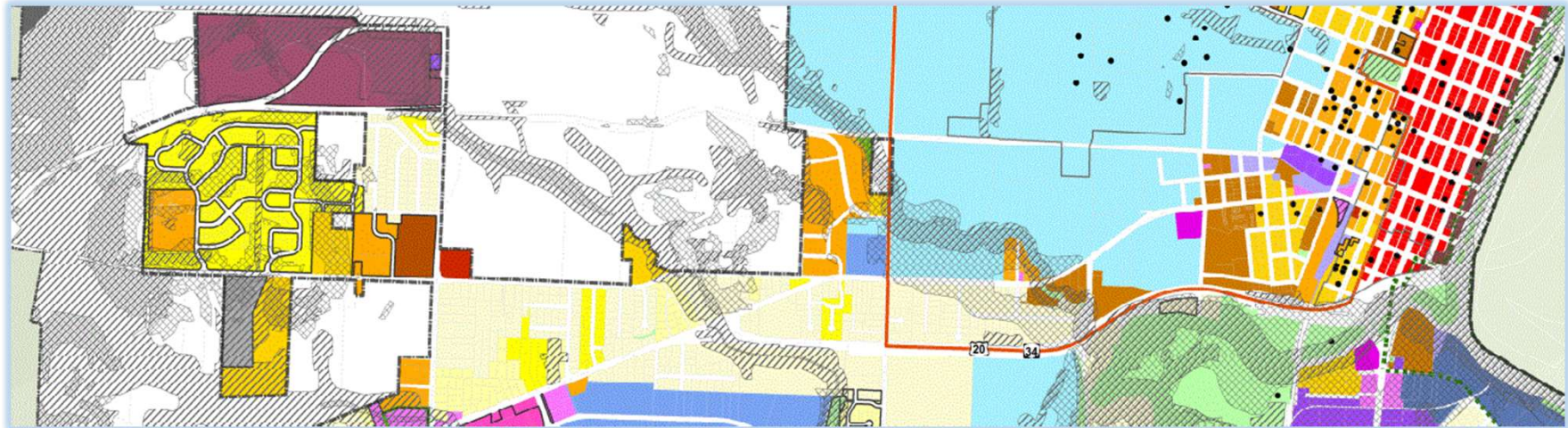


# Community Development

ArcGIS & AGOL

## - Planning

Land Development Code & Comprehensive Plan







## - Planning

Contents	Preview	Description
Name		
Annotation		
Base		
Boundary		
CollectionSystem		
ComprehensivePlan		
DistributionSystem		
Elevation		
Federal		
Natural		
NaturalHazards		
NaturalResources		
OfficialZoning		
Property		
Structure		
Survey		
Transportation		
Utility		
Wetland		
XRy		

# Community Development

ArcGIS & AGOL





- Planning

Contents	Preview	Descri
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Structure		
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Utility		
Wetland		
XRay		

# Community Development

ArcGIS & AGOL





# Community Development

ArcGIS & AGOL

## - Planning



Contents Preview Description

Name

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- Structure
- Survey
- Transportation
- Utility
- Wetland
- XRay

Contents Prev

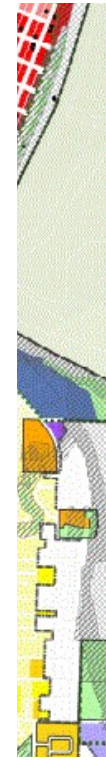
Name

- Annotation
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- Distributio
- Elevation
- Federal
- Natural
- NaturalHa:
- NaturalRes
- OfficialZor
- Property
- Structure
- Survey
- Transporta
- Utility
- Wetland
- XRay

Contents Preview Description

Name

- Area Plan Dashed.lyr
- Area Plan Outline.lyr
- Comprehensive Plan.lyr
- Comprehensive Plan Standard.lyr
- ComprehensivePlan - DRAFT Alt.lyr
- Drainage.lyr
- Future RS1 Zone - Hatched.lyr
- Future RS1 Zone Outline.lyr
- Neighborhood Center Buffers.lyr
- Neighborhood Center Buffers Color.lyr
- Neighborhood Center Point.lyr
- Neighborhood Center Point Large.lyr
- North Corvallis Plan.lyr
- South Corvallis Plan.lyr
- Street Functional Classification - Transportation Plan.lyr
- Street Functional Classification - West Corvallis Access Strategy.lyr
- West Corvallis Plan.lyr





# Community Development

ArcGIS & AGOL

## - Planning

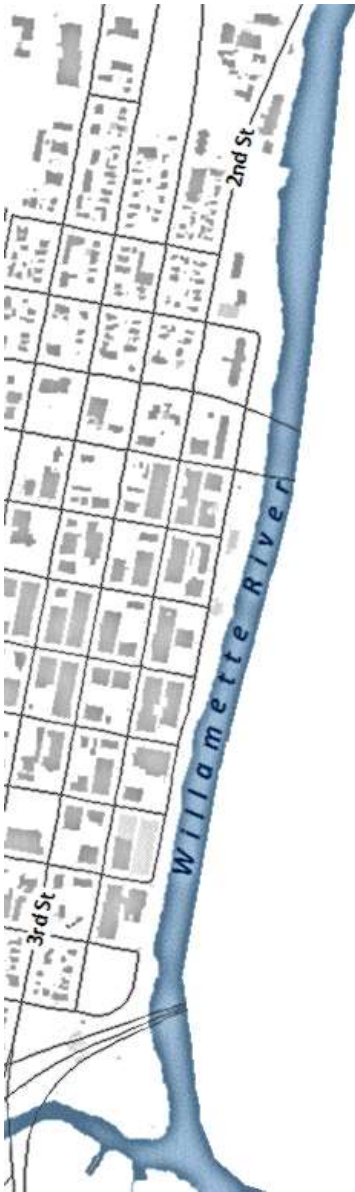


The screenshot displays three layers panes in ArcGIS. The top pane shows a table of contents with 'Area Plan Dashed.lyr' and 'Area Plan Outline.lyr'. The middle pane shows a tree view of folders, with 'ComprehensivePlan', 'NaturalHazards', 'NaturalResources', 'OfficialZoning', and 'Property' highlighted in yellow. The bottom pane shows a list of layers, including '100 Year Floodplain Protections.lyr', 'Faults.lyr', 'Floodway Protections.lyr', 'Landslide Runout Hazard Area.lyr', 'Landslides Risk.lyr', 'Liquifaction Soil.lyr', 'Natural Hazards Overlay.lyr', 'Protections 0.2-Ft Floodway.lyr', 'SB12 Rapidly Moving Landslides.lyr', and 'Slopes.lyr'. A small inset map in the bottom right shows a zoomed-in view of a city block with various colored overlays.

# Community Development

ArcGIS & AGOL

## - Planning



Contents Preview Description

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Contents

Name

- Annol
- Base
- Bounc
- Collec
- Comp
- Distrib
- Elevat
- Feder
- Natur
- Natur
- Natur
- Offici
- Prope
- Struct
- Surve
- Transp
- Utility
- Wetla
- XRay

Contents Preview Description

Name

- Case History Outline.lyr
- Case History Search.lyr
- Downtown Boundary.lyr
- Downtown Parking Assessment District.lyr
- Downtown Pedestrian Core.lyr
- Downtown Residential Neighborhood.lyr
- Historic Districts.lyr
- Historic Districts Hatched.lyr
- Historic Sidewalk Stamps.lyr
- Historic Sites.lyr
- North Campus.lyr
- Official Zoning.lyr
- Planned Development Overlay.lyr
- Zoning.lyr
- Zoning Overlays.lyr

Description

- ain Protections.lyr
- tions.lyr
- t Hazard Area.lyr
- /r
- lyr
- Overlay.lyr
- t Floodway.lyr
- ving Landslides.lyr



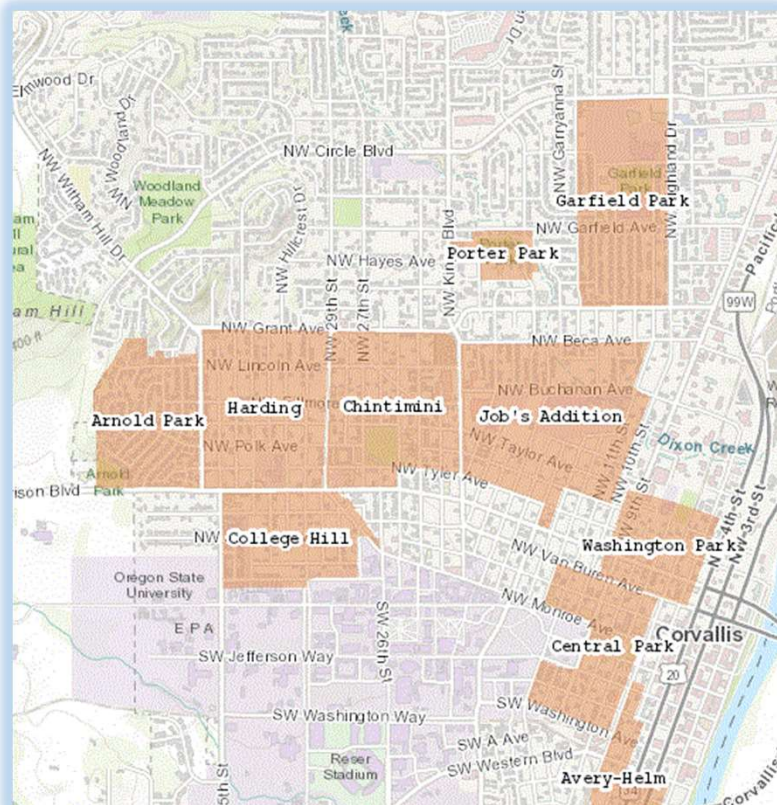




# Community Development

ArcGIS & AGOL

## - Housing/Neighborhoods



- Help community members discover the assets and gifts already present in their neighborhoods
- Create opportunities to help neighbors work collectively towards a common goal
- Promote partnerships between neighbors, community organizations, and city staff





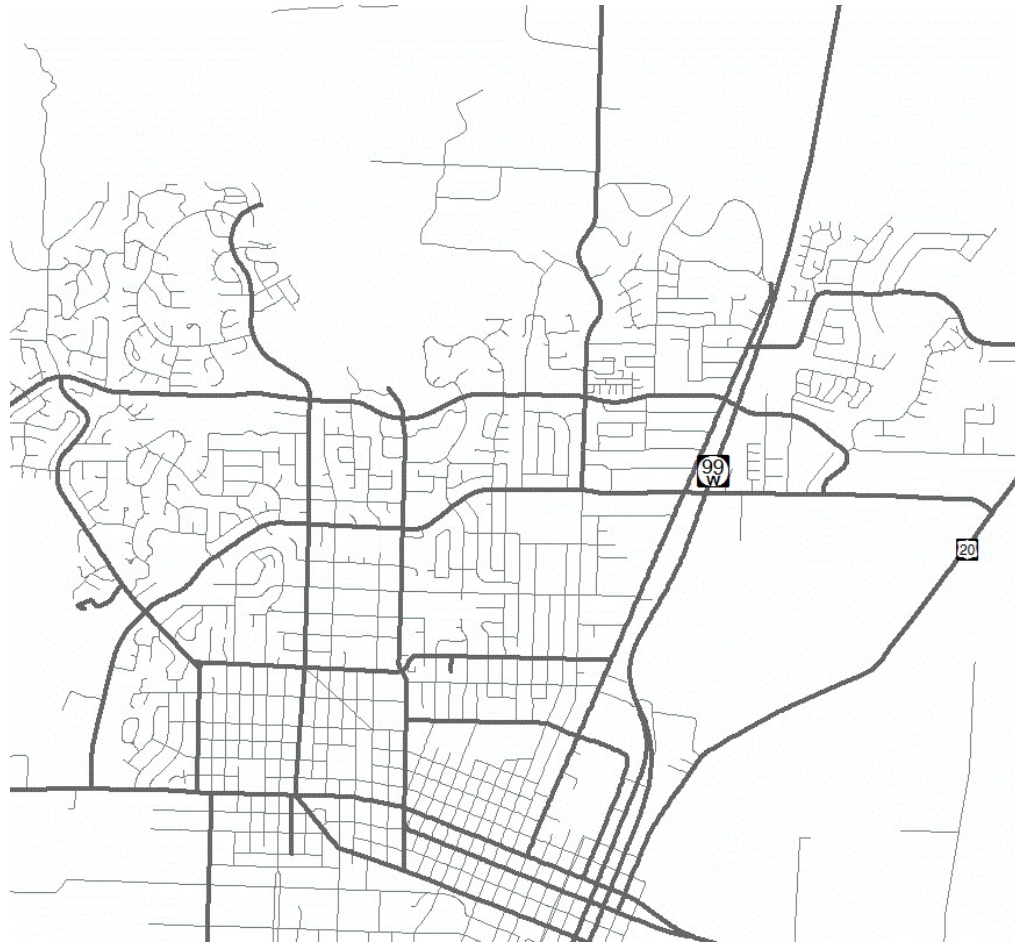
# Public Works

Autocad, Accela, ArcGIS & AGOL

- Transportation
- Engineering
- Water Distribution
- Waste Water Collections (storm & sewer)
- Asset Management



## - Transportation



# Public Works

Accela, ArcGIS & AGOL

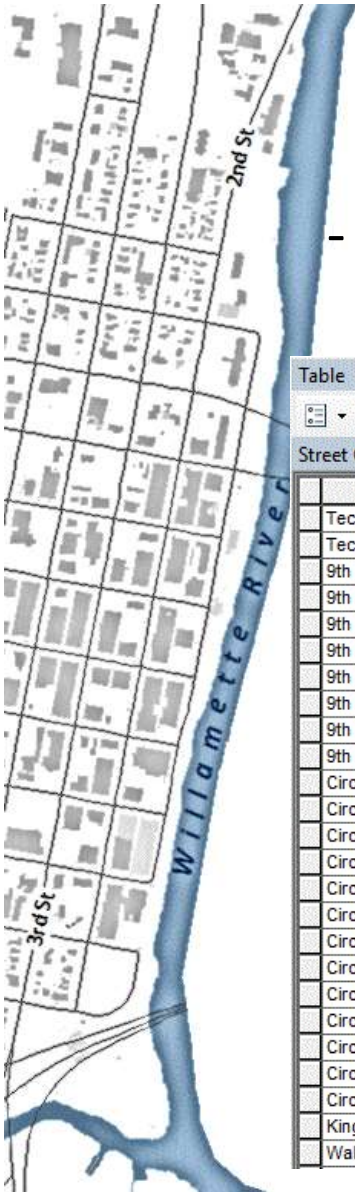




# Public Works

## - Transportation

Accela, ArcGIS & AGOL



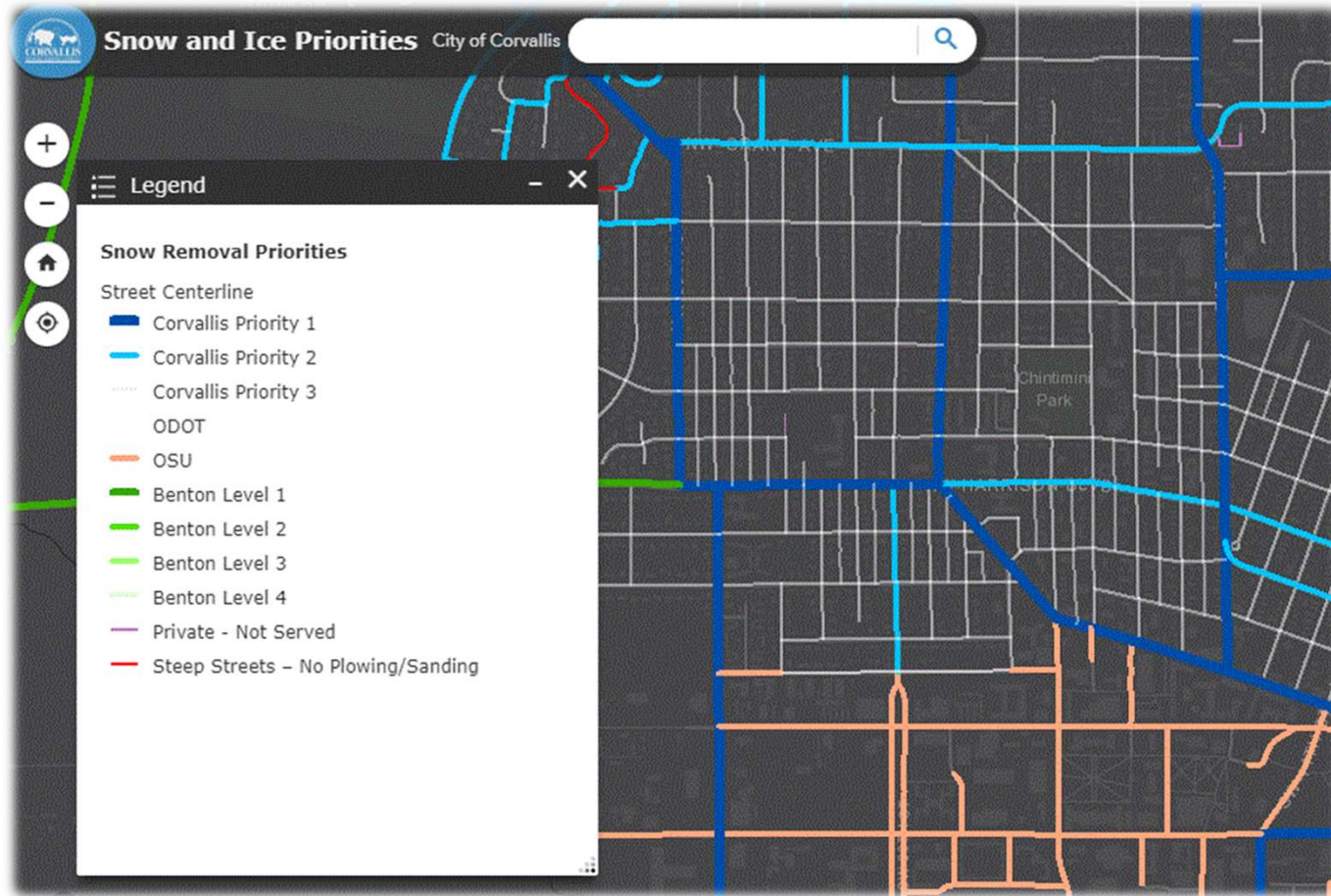
Speed	BIKE_FAC	SHOULDER	Number of lanes	SNOW	Width	Year Built	
25	Bike Lane	no	0	Corvallis Priority 1	33	1978	
25	Bike Lane	no	0	Corvallis Priority 1	33	1978	
<Null>	<Null>	<Null>	0		31	0	
<Null>	<Null>	<Null>	0		11	0	
<Null>	<Null>	<Null>	0		13	0	
<Null>	<Null>	<Null>	0		8	0	
<Null>	<Null>	<Null>	0	ODOT	<Null>	0	
<Null>	High Traffic Volume	yes	0	ODOT	<Null>	0	
<Null>	Preferred	<Null>	0	Corvallis Priority 3	27	0	
25	Preferred	<Null>	0	Corvallis Priority 2	34	0	
25	Preferred	<Null>	0	Corvallis Priority 2	33	0	
<Null>	<Null>	<Null>	0	Corvallis Priority 3	34	0	
25	<Null>	<Null>	0	Corvallis Priority 1	27	0	
35	Bike Lane	no	0	Corvallis Priority 1	33	2002	
9th	St			CV	ARTERIAL	CV	0000006450
9th	St			CV	ARTERIAL	CV	0000006460
Circle	Blvd			CV	COLLECTOR	CV	0000020470
Circle	Blvd			CV	COLLECTOR	CV	0000020460
Circle	Blvd			CV	COLLECTOR	CV	0000020450
Circle	Blvd			CV	COLLECTOR	CV	0000020440
Circle	Blvd			CV	COLLECTOR	CV	0000020430
Circle	Blvd			CV	NEIGHBORCOLLECTOR	CV	0000020420
Circle	Blvd			CV	NEIGHBORCOLLECTOR	CV	0000020410
Circle	Blvd			CV	ARTERIAL	CV	0000020530
Circle	Blvd			CV	ARTERIAL	CV	0000020520
Circle	Blvd			CV	ARTERIAL	CV	0000020510
Circle	Blvd			CV	ARTERIAL	CV	0000020500
Circle	Blvd			CV	ARTERIAL	CV	0000020490
Circle	Blvd			CV	ARTERIAL	CV	0000020480
Kings	Blvd			CV	ARTERIAL	CV	0000009110
Walnut	Blvd			CV	ARTERIAL	CV	0000017200



# Public Works

ArcGIS & AGOL

- Transportation



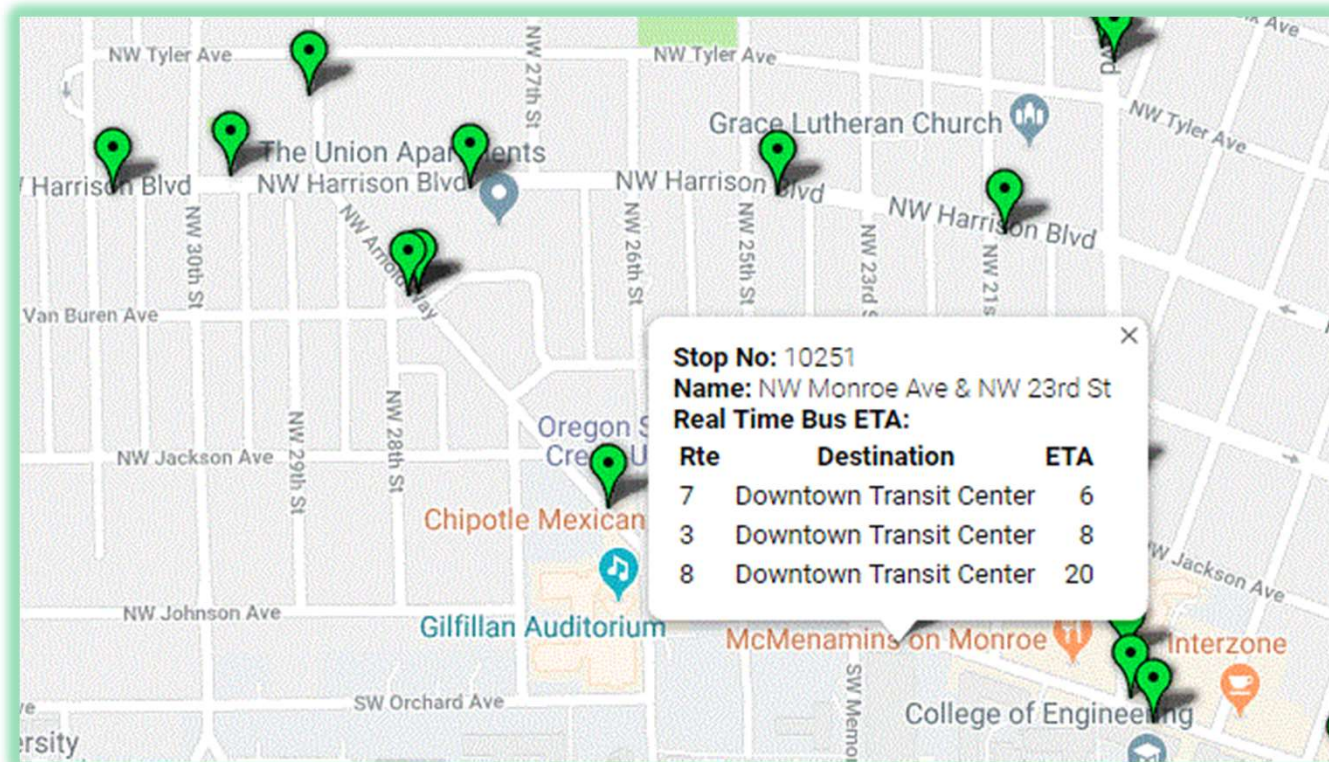


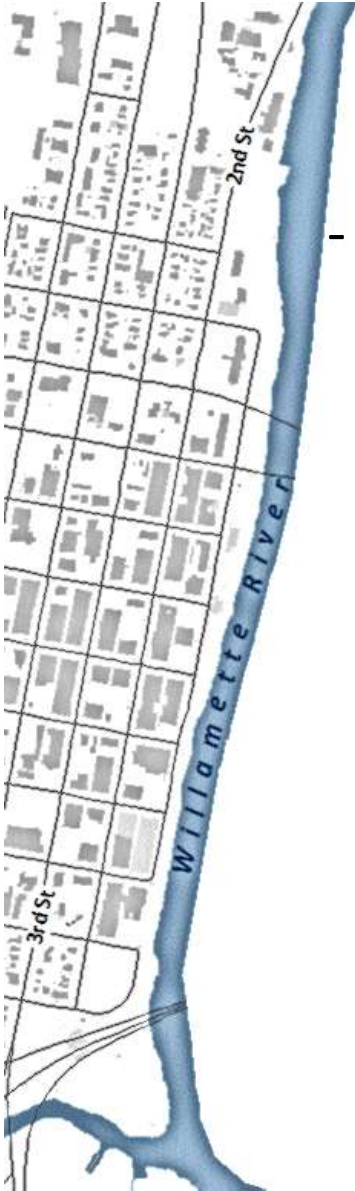


# Public Works

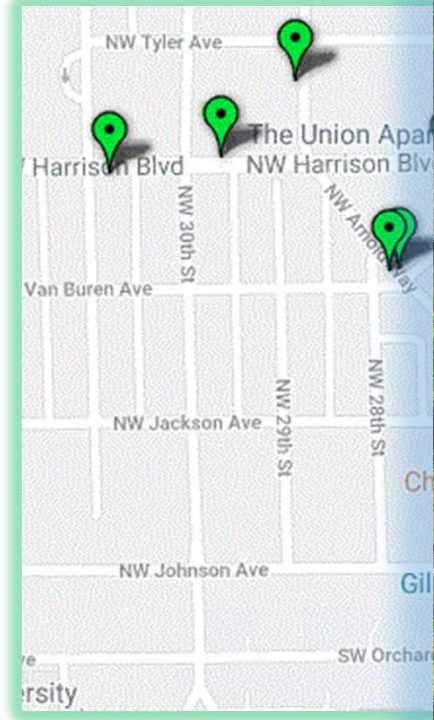
Connexionz, ArcGIS & AGOL

## - Transportation, Corvallis Transit System Bus Routes



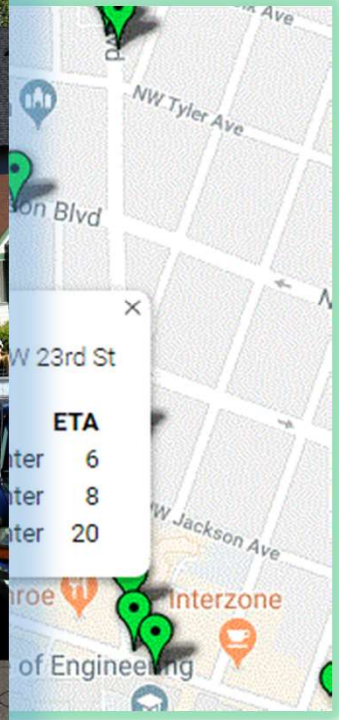


# - Transportation



# Public Works

Accela, ArcGIS & AGOL



 Public Works  
Transportation Division  
<http://www.corvallisoregon.gov/>  
541.766.6916

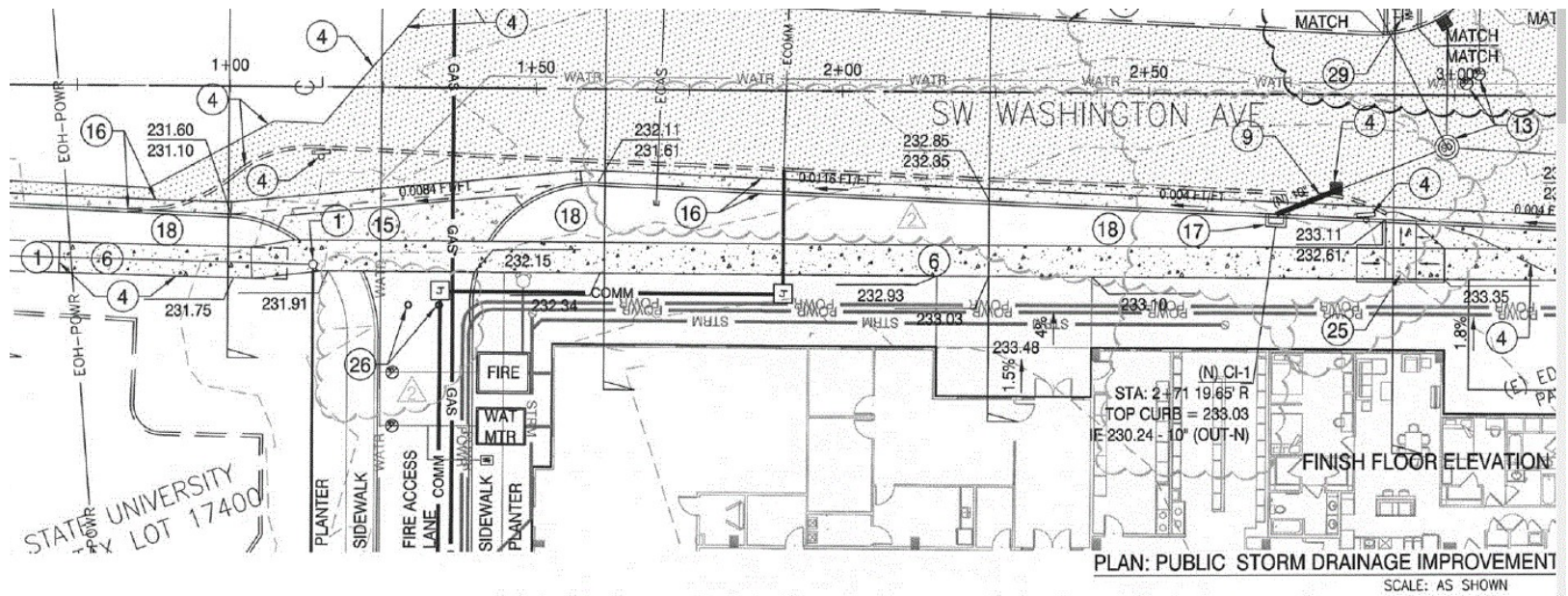




# Public Works

Autocad

- Engineering





## Public Utilities

- Water Distribution
- Waste Water Collections (storm/sewer)
- Asset Management

## Public Works

Autocad, Accela, ArcGIS & AGOL

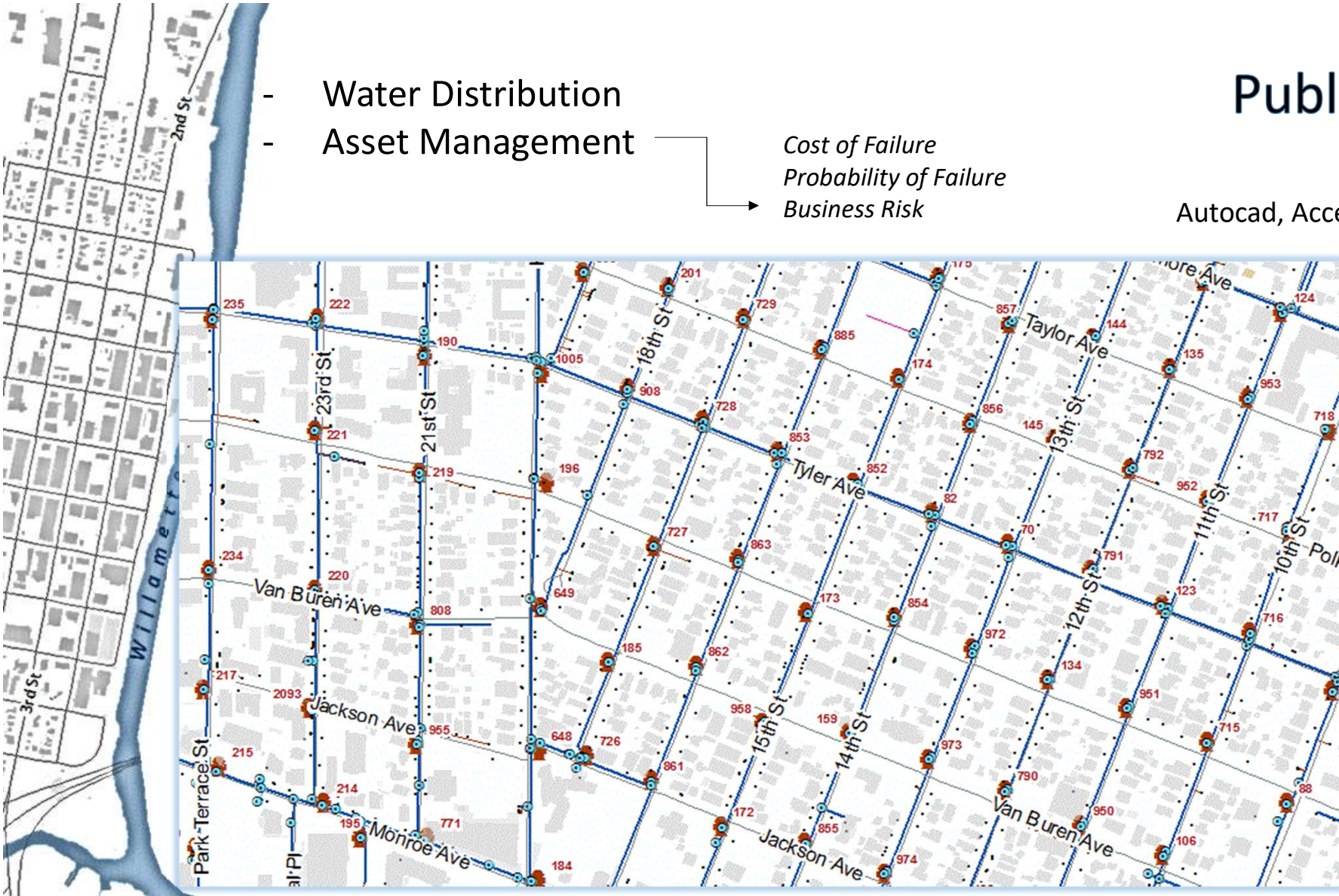


# Public Works

- Water Distribution
- Asset Management

Cost of Failure  
Probability of Failure  
Business Risk

Autocad, Accela, ArcGIS & AGOL





- Waste Water Collections
- Asset Management

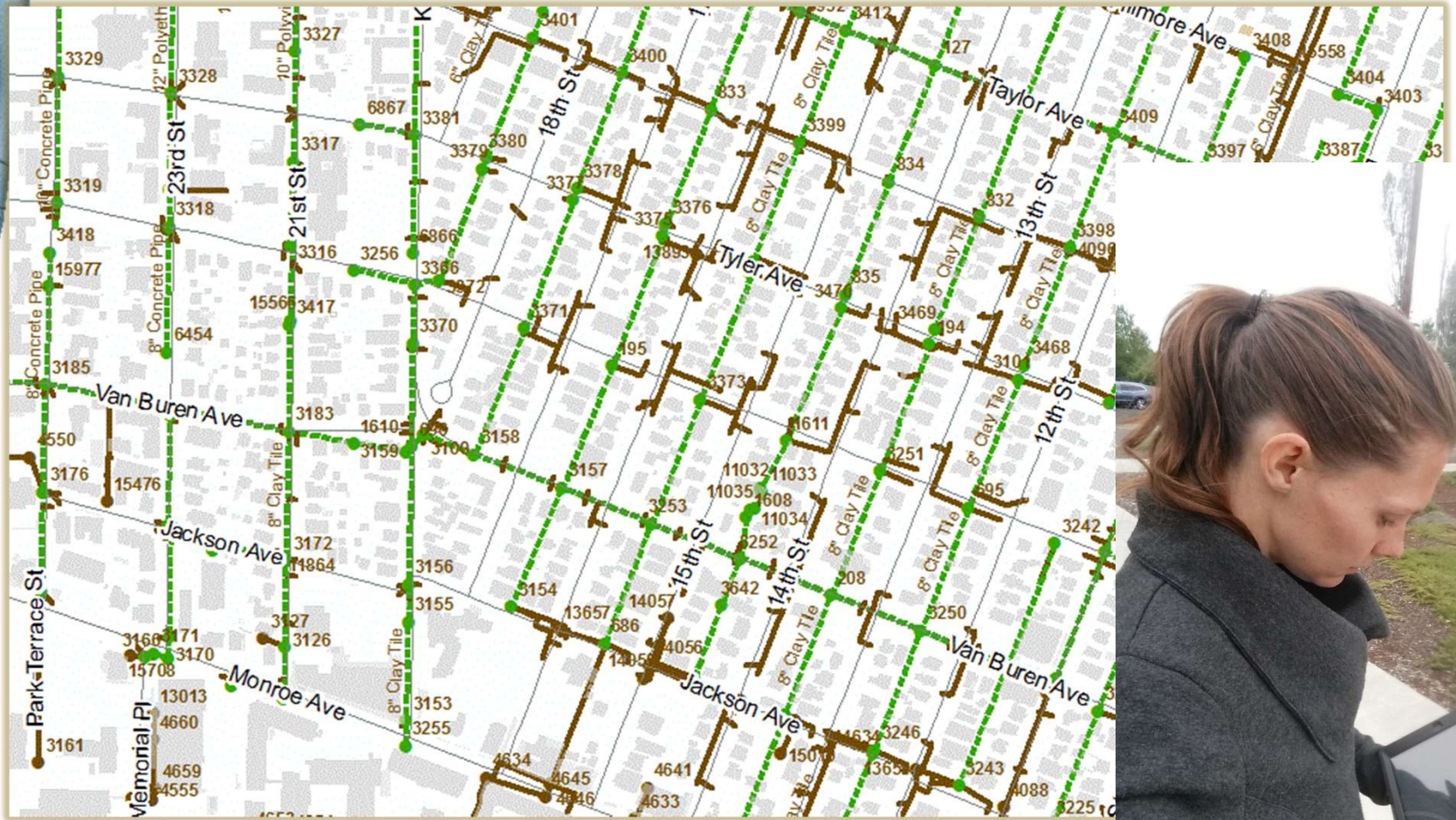
# Public Works





- Waste Water Collections
- Asset Management

# Public Works





## Waste Water Collections MS4 Permit

## Public Works



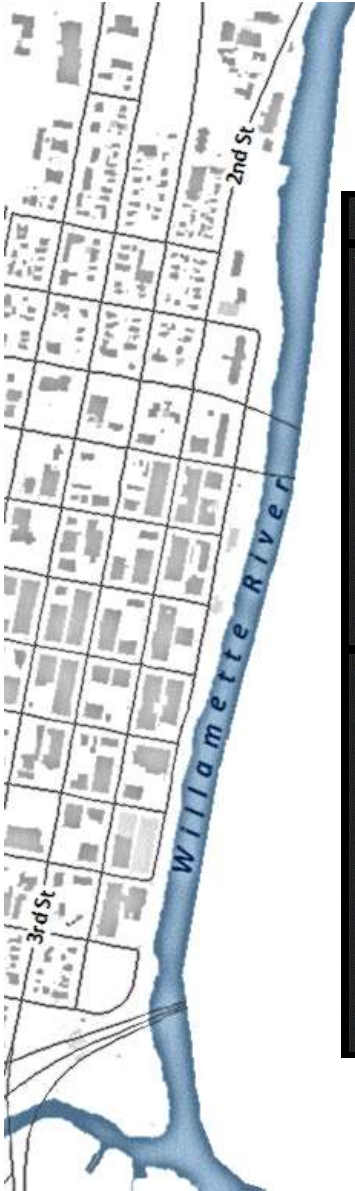






# - Waste Water Collections MS4 Permit

# Public Works



City of Corvallis Detention Pond Health - MS4 Permit Support

Total Number of Bio Facilities

# 105

Last update: a few seconds ago

Corvallis Detention Ponds  
Click on the names below....

- Agilent Technologies
- Airport Ave @ Hout St
- Corvallis CoHousing NE
- Corvallis CoHousing S
- Corvallis Memory Care Facility 2
- Creekside Village
- Fairway View
- Fire Training Facility
- Grand Oaks 1
- Grand Oaks 2
- Grand Oaks 3
- Grand Oaks 5
- Hawkeye
- Huckleberry @ 29th
- Industrial Welding Supply INC
- Kings & Walnut
- Meadow Ridge 1 South
- Meadowflower
- Ponderosa Ridge
- Rivergreen 1
- Rivergreen 2
- Romancier @ Marigold
- Russell Gardens
- Russell Gardens
- Safeway
- Satinwood @ Mirador

Individual Pond Rating

Average Rating for All Ponds

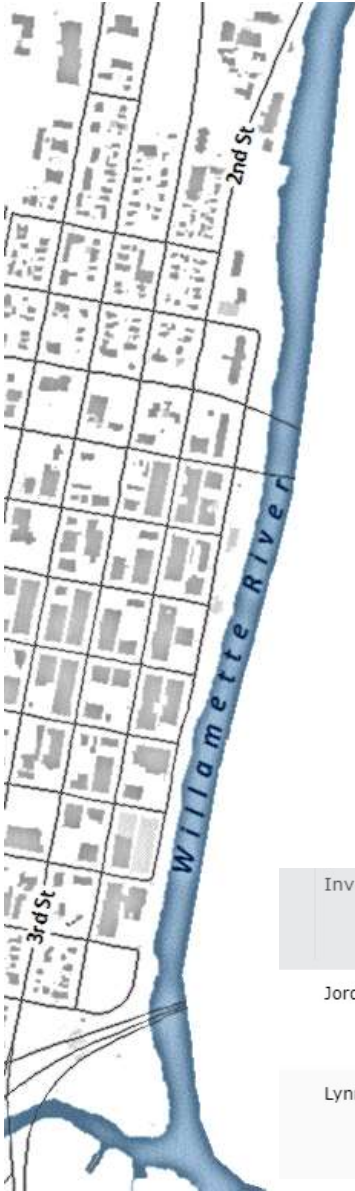
Individual Pond Details

Meadow Ridge 1 South

- System ID 800,026.00
- Structure ID STMD-800026
- Project Number P1342X
- Type Detention Pond
- Structure Type STMD
- Ownership CVO
- Maintenance PVT
- Square Feet 15,093.30
- Name Meadow Ridge 1 South
- Site Address
- Area Square Miles
- Acres
- X Coordinate 7,474,630.01
- Y Coordinate 353,343.33
- Date Published
- Asbuilt Date 7/29/2003, 5:00:00 PM
- GIS ID: 1A155595A-000F-4004-A827







## - MS4 Permit illicit discharge

Survey123 for ArcGIS ▼ My Surveys Help

### Illicit Discharge investigation 2020

Feature Report Export ▼ Open in Map Viewer Show individual response



Investigator	Event Date And Time	Address Closest to Spill	Violation Type	Permit type	PW Arrival	Responders (in order of appearance)
Jordan	Feb 18, 2020, 3:38 PM		Dumping into storm system (Section 4.04.030.010)		Feb 18, 2020, 3:45 PM	CPW
Lynne Warwick	Feb 14, 2020, 1:00 PM	SE Deborah Place	Dumping into storm system (Section 4.04.030.010)		Feb 14, 2020, 8:55 AM	Street sweeper crew (8:55 a.m.), Lynne Warwick (1:00 p.m.)

# Public Works

Survey 123, Workforce, AGOL





- Urban Forestry
- Invasive Veg - Weeds
- Heritage Trees
- Plants by other names

## Parks & Rec.

Davey Treekeeper, ArcGIS & AGOL

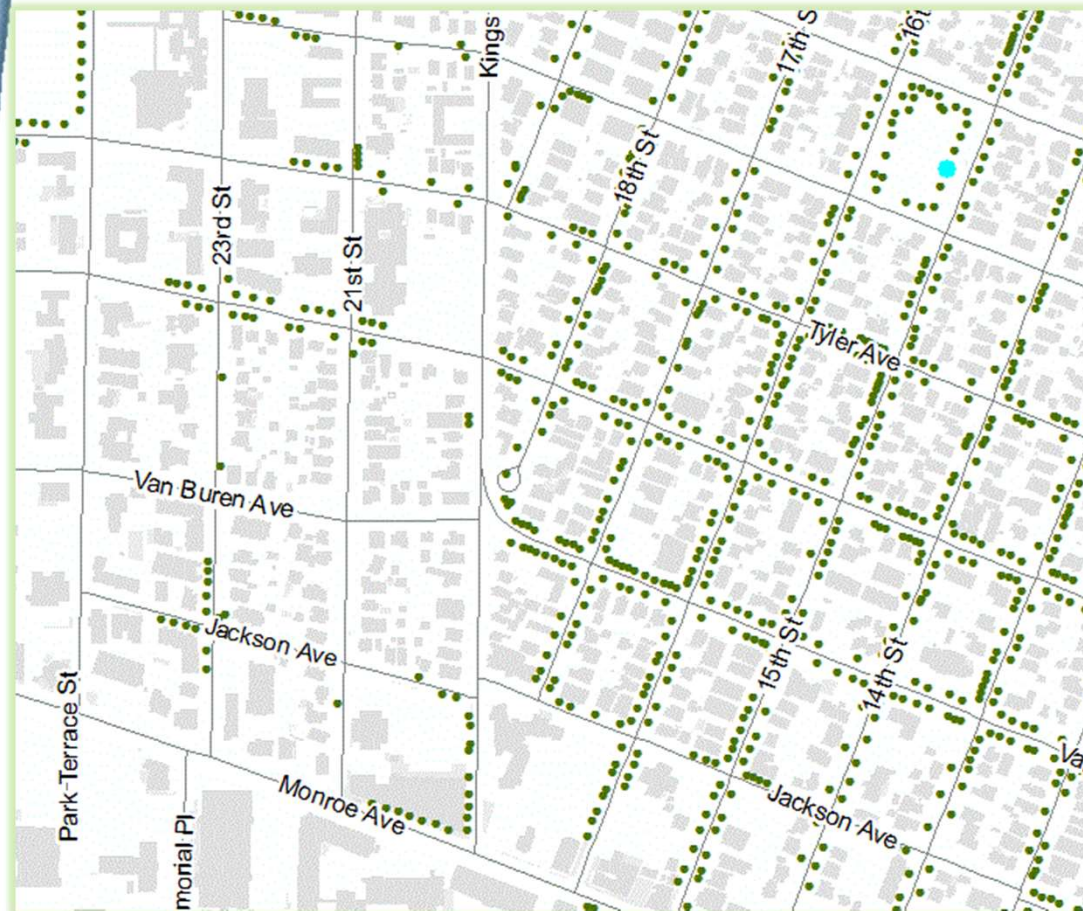
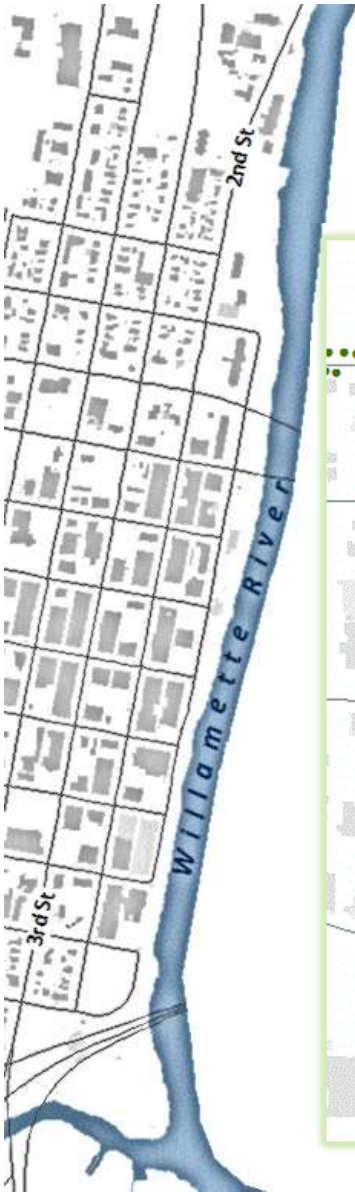




# Parks & Rec.

## - Urban Forestry

Davey Treekeeper, ArcGIS & AGOL



Location: 7,480,209.030 342,652.429 Feet

Field	Value
OBJECTID	72635
Site ID	13292
Field ID	0
Created	8/7/2008
Creator	john hinkle
Modified	4/26/2012
Inspector	marla maple
Add Number	
Add Str	
Park	franklin
Zone ID	
Grow Space	open
Utility	none
Land Use	park
Site Type	T
Species	oak,scarlet
Diameter	11
Height	40
Spread	30
Trunks	1
def_biot	none
def_stru	multi tops
def_cult	none
Condition	70
Risk	
Location	75
Special	
Source	
Appraise	2420
Notes	



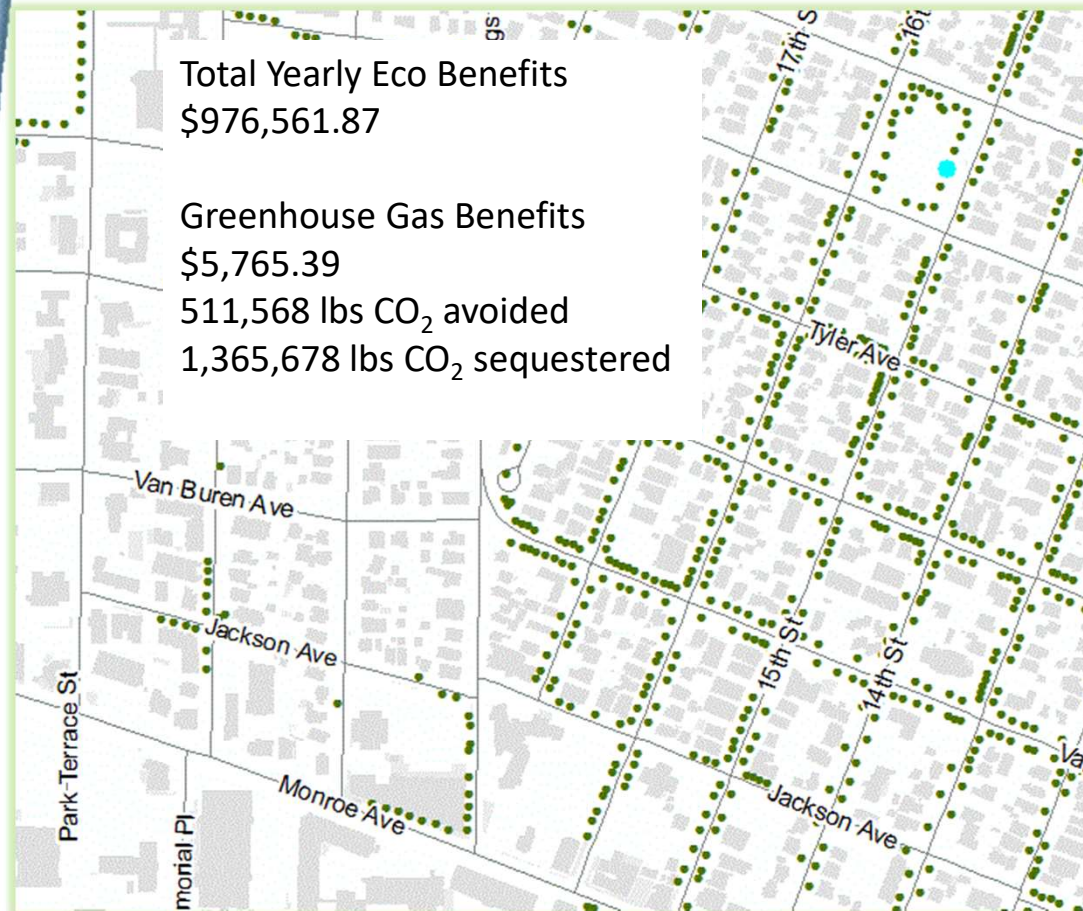
# Parks & Rec.

## - Urban Forestry

Total Yearly Eco Benefits  
\$976,561.87

Greenhouse Gas Benefits  
\$5,765.39

511,568 lbs CO<sub>2</sub> avoided  
1,365,678 lbs CO<sub>2</sub> sequestered



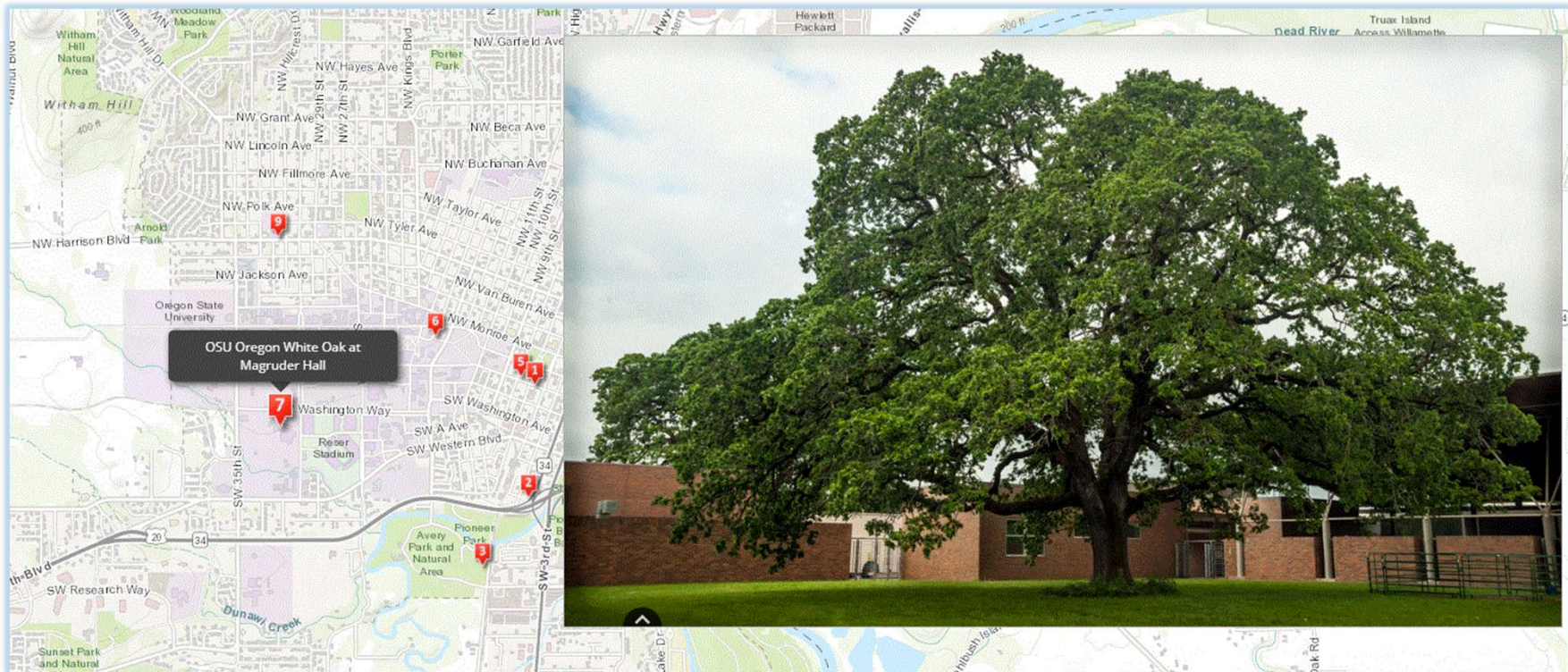
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Height	40
Spread	30
Trunks	1
def_biot	none
def_stru	multi tops
def_cult	none
Condition	70
Risk	
Location	75
Special	
Source	
Appraise	2420
Notes	



# Parks & Rec.

- Urban Forestry
- Heritage Trees





# Parks & Rec.

ArcGIS & AGOL

- Plants by other names





# Parks & Rec.

ArcGIS & AGOL

- Plants by other names



NAME	Showbiz
TYPE	Floribunda
COLOR	medium red
ARS_RATING	8.3
WINNER	1985 AARS Winner
SIGN	yes
GARDEN	West Garden
PARK	Avery
NOTES	
LINK	<a href="#">More info</a>
GENUS	Rosa
Origin	1980
Fragrance	Light



# Information Technology

## - Geographic Information Systems

Everything ESRI

City of Corvallis GIS Services

Kevin Loso Sr. GIS Analyst

[Kevin.Loso@corvallisoregon.gov](mailto:Kevin.Loso@corvallisoregon.gov)

Story Maps <https://corvallisoregon.maps.arcgis.com/home/index.html>

Data <https://www.corvallisoregon.gov/it/page/gis-data-download>

