

2020 SWU ANNUAL REPORT SUMMARY

ACCOUNT FUND BALANCE UNAUDITED TOTALS AS OF 1/20/21

Revenue (includes interest) \$13,319,817 Expenses (including encumbrances) \$6,956,736

STORMWATER UTILITY CUSTOMERS

89% collection rate since the start of the utility in June 2018

NPDES PERMIT COMPLIANCE

PUBLIC ENGAGEMENT

- Public Events and public presentations cancelled due to COVID
- Educational materials available on peoriastormwater.com

POLLUTION CONTROL MEASURES

- Grants were available for private property green infrastructure
- Storm sewer outfall inspections
- Erosion control and volume control ordinances
- Staff training event cancelled due to COVID

WATER QUALITY MONITORING

4 sample locations tested quarterly (4 times) per year

ASSET INVENTORY WORK

MAPPING

- 2.77 square miles of the City mapped
- 17.4 miles of pipe surveyed

ASSET MAINTENANCE

STORM SEWER PIPES

14,570 feet inspected and rated by TV inspection

PIPES, INLETS & HEADWALLS

- 198 hours of staff time spent cleaning inlet tops
- 72 hours of staff time spent cleaning headwalls
- 2,296 hours of staff time spent on storm sewer repairs
- 785 hours of staff time spent on storm sewer cleaning

GROUND MAINTENANCE

\$399,760.00 spent on mowing vacant lots, weed control, mulch installation, tree trimming & green infrastructure maintenance

PEORIA STREET SWEEPING

The streets in the CSO area were swept seven times while the rest of the streets were swept five (5) times; 2,000 tons of debris was removed

COMMUNITY INVESTMENT PLAN

PROJECTS

- Concrete Lined Drainage Channel (Florence-Merle-Richmond): funding reduced from \$350,000 to \$50,000 due to COVID. The engineering work was under way but put on hold. In 2021, the project modeling will be expanded to cover the Knolls subdivision which experienced flooding in 2020 and in the past. Once the modeling has been completed we will hold a public meeting then proceed to creating the plans and specifications.
- 2. Annual Drainage Repair Program
 - Funding reduced from \$900,000 to \$850,000 due to COVID.
 - Annual Drainage Repair Contract
 - Fifteen (15) projects were completed for \$522,144.
 - Storm Sewer Lining Contract
 - Six (6) lining projects were completed under for \$119,379.
- 3. Green Infrastructure Maintenance
 - Funding was reduced from \$200,000 to \$100,000 due to COVID. The project was delayed due to COVID. The funds will be used to replant green infrastructure.
- 4. Merle & Knoxville culvert
 - Funding reduced from \$600,000 to \$100,000 due to COVID. In 2020 the engineering modeling was completed. The next step is to have a public meeting to discuss the results of the modeling and reopening Merle at Knoxville. The public meeting will happen once it is safe hopefully in 2021. After the public meeting, we will proceed to creating the plans and specifications.
- 5. Stormwater Management Clean Water Act
 - Funding reduced from \$400,000 to \$200,000 due to COVID. See NPDES Permit Compliance above for work completed
- 6. Stormwater Infrastructure Improvements project
 - Funding delayed until 2021
- 7. Stormwater Utility Grants
 - See below for Grant Program

UNPLANNED PROJECTS

- 1. Glen Ave and Sheridan Rd (Red Carpet) estimated city cost \$340,000
- 2. Abington and Madison Total estimated cost \$1.3 Million. Modeling and design completed in 2020. Project put on hold due to issues with getting easements needed to construct the project.

Abington and Madison Culvert Project- on hold due to easement a	cquisition issues
PH 1-2 Engineering	\$162,400
PH 3 Engineeirng	\$45,000
Land Acquisition estimate	\$60,000
Construction estimate	\$990,945
PM/staff time estimate	\$25,000
	\$1,283,345

CREDITS PROGRAM

SWU CREDITS

- Water quality credit
 - One (1) property received a credit for existing native prairie plantings. This manages 0.06 Acres. They received a \$18.24 credit per year.

STORMWATER UTILITY GRANT PROGRAM

RAIN BARREL GRANT

- Funding was reduced from \$5,000 to \$1,000 due to COVID
- Twenty-one rain barrels approved at 15 properties
- \$1,050 in reimbursement

GREEN INFRASTRUCTURE GRANT

- Funding was reduced from \$125,000 to \$21,000 due to COVID
- Ten (10) applications received and approved
- Eight (8) applications were approved but removed from the program by the property owners
- One (1) approved but no reimbursement request: 1500 NE Glen Oak Ave. \$9,070 for permeable paver driveway
- One (2) approved and constructed: 4425 W Deermeadow Dr. \$6,600 for permeable paver driveway

PRIVATE PROPERTY DRAINAGE ASSISTANCE PROGRAM

- Funding was reduced from \$200,000 to \$119,000 due to COVID
- Projects at twenty-one properties were approved for a total of \$113,725.03

STORMWATER INFRASTRUCTURE INVESTMENT GRANT

Funding was reduced from \$200,000 to \$0 due to COVID

COMMUNITY INVESTMENT PLAN (FY21-FY22)

2021 & 2022 BUDGET DRAINAGE PROJECTS

Project Name	2021	2022
Drainage - D		
Concrete Lined Drainage Channel Repairs (Florence-Merle-Richmond)	\$ 560,000	\$ 0
Drainage Analysis Engineering	\$ 280,000	\$ 112,000
Drainage Repair Program	\$ 1,050,000	\$ 1,050,000
Green Infrastructure Maintenance	\$ 200,000	\$ 240,000
Merle & Knoxville Culvert	\$ 700,000	\$ 0
Storm Water Management - Clean Water Act	\$ 450,000	\$ 360,000
Stormwater Asset Management	\$ 330,000	\$ 280,000
Stormwater Backlog Projects	\$ 0	\$ 600,000
Stormwater Infrastructure Improvements	\$ 840,000	\$ 455,000
Stormwater Utility Grants	\$ 650,000	\$ 655,000
CIP Total	\$ 5,060,000	\$ 3,752,000

Unplanned (at 2021 budget time) Projects		
Abington and Madison Culvert Project- on hold	\$ 1 300 000	\$ 0
due to easement acquisition issues	\$ 1,300,000	\$ 0
Glen Ave (west of sheridan) culvert replacement		\$ 1,500,000

CIP Total	\$ 6,360,000 \$ 3,752,000
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2021 BACKLOG STORMWATER UTILITY SUMMARY

Updated 1/19/2021 **2021 CIP Project Backlog**

#	Project Name	Notes	Priority	Estimated Cost	District	Year
1	Merle Ln and Knoxville Ave culvert	August 2017- visited site, head wall for the culvert is failing. Road is falling in. Some recent repairs were to install metal rails to hold guard rail in place. Current culvert is a large CMP that the condition is unknown.	CIP Project	\$ 600,000.0	0 2	2021
2	Merle Florence Drainage Ditch	concrete lined channel in need of repair	CIP project	\$ 250,000.0	2	2021
3	Clean Water Act- GPS data collection and GIS mapping of the storm sewers	1. Using a consultant to collect survey grade locations of the storm sewer systems which is then entered into GIS \$100,000. 2. stormwater sampling \$18,000, 3. TMDL sampling	CIP project	\$ 100,000.0	0 all	every
4	Abington & Madison	replace 8' diameter CMP with new pipe. Project on hold waiting for easement from property owner.	unplanned	\$ 1,300,000.0	0 1	2021
5	Glen west of Sheridan	Replace box culvert under Glen connecting from Red Carpet to creek. Potentially do at the same time as the City/County's Glen project	CIP project	\$ 1,500,000.0	0 3	2022
6	Spring Lane from Ravinwoods to the cul de sac ditch project	see cost estmate from CMT: driveway replacement, culvert replacemtn, easements, grading, sodding, outfall improvements See SW Infrastructure Improvement on CIP	CIP project	\$ 410,000.0	0 5	2021
7	Orange Prairie Natural prairie detention basin restoration	Evaluation of Orange prairie (Grange Hall Rd - American Prairie Dr) natural prairie detention basins (4) (\$20K) to provide recommendations to restore. Restoration of prairie (125.K) and 1 year maintenance contract to re-establish and evaluate (\$35K per year). Would need to budget \$35K each year. Once the prairie is fully established the annual maintenance may decrease.	CIP project	\$ 180,000.0	0 5	future

Subtotal CIP: \$ 4,340,000.00

Most of the creek projects would be on private property. Focusing on City owned infrastructure first, then will look at projects in the creeks

1	Dry Run Creek erosion repairs- continuation of Holly Hedges Devereux project	erosion repairs and stabilization from 2002 Stormwater master plan. Early Action Project #1	CIP Project	\$ 2,500,000.00	4	Future
2	West Branch Dry Run Creek "B" erosion repairs- South of War Memorial Drive	erosion repairs and stabilization from 2002 Stormwater master plan. Continuation of Early Action Project #2	CIP Project	\$ 1,750,000.00	2	Future
3	Big Hollow Creek	erosion repairs and stabilization from 2002 Stormwater master plan. Continuation of Early Action Project #3	CIP Project	\$ 1,500,000.00	5	Future
4	Dry Run Creek "B" erosion repairs- McClure to Nebraska	erosion repairs and stabilization from 2002 Stormwater master plan. Continuation of Early Action Project #4	CIP Project	\$ 1,600,000.00	2	Future
5	Dry Run Creek "B" erosion repairs- Forrest Hill Ave to Glen Ave	erosion repairs and stabilization from 2002 Stormwater master plan. Continuation of Early Action Project #5	CIP Project	\$ 1,300,000.00	3	Future
6	Update Stormwater master plan	update the 2002 Stormwater master plan	CIP Project	\$ 150,000.00	all	Future

Subtotal Creek projects: \$ 8,800,000.00

Total CIP Projects: \$ 13,140,000.00

1

2

3

4

5

6

2021 ARC Project List

Project Name	Notes	PIN	Site Assessment	Priority	Budget Estimate	Election District
1614 E. Lake Ave	blocakge and erosion at outfall, deteriorating stream bank		1	1	\$ 75,000.00	3
255 Detweiler	Pipe failure at outfall and damaged pipe. Settled and flooding house walk out area connected to it. 2020 hold out, needs addititional design work need inlet sizing and pipe replacement, video shows issues and customer tie in floods walk out from basement		1	1	\$ 75,000.00	5
3809 Woodtrail Court	sinkhole in yard between houses.		1	1	\$ 35,000.00	5
N Sommer Court	Line and/or size storm sewers based on Pioneeer Parkway Watershed study		2	2	\$ 125,000.00	5
5611 Humboldt Ave	raise inlet and/or clear debris from structure.		4	4	\$ 15,000.00	3
3357 Lexington Court	Settling ground, possible pipe failur		1	1	\$ 40,000.00	4
1015 Nebraska	Creek has a wall built to protect house, periodically clean debris. Need to evaluate full culvert under Nebraska and if a larger area project is needed		2	2	\$ 50,000.00	2
9169 N Picture Ridge Rd	See 'Inspection List Tab' for previous notes. Appears to be broken section of pipe. Water flows from broken section into ravine. Minor erosion along sides and debris.	933378023	2	2	\$ 125,000.00	5
Huntington Dam on Rothmere Dr	EAP required per IDNR. Repaired in-kind	1323176005	2	2	\$ 15,000.00	4
3716 Verner Dr	point repair on outfall and more in line - hold from 2020 work		2	2	\$ 20,000.00	4
412 Collingwood Circle	Repair wall from erosion, 2020 carry over		2	2	\$ 20,000.00	
6601 Post Oak Rd	Repair settling ground and outfall behind property-2020 carry over Grade yard, line pipe from new manhole to outfall, bury outfall pipe, sod front access.		2	2	\$ 30,000.00	
4918 Sherwood ave	Repair blind connection from storm sewer		2	2	\$ 50,000.00	
924 Bridgetowne Ct	road ends at ROW line. Drainage is poor at the end of the road. Must travel across two private properties to get to the ravine. Look at getting a permanent easement across the two properties. Once get the easements, construct a ditch. 2020 work order but delayed.	920477008	3	2	\$ 30,000.00	5
N Boulevard Ave and E Cox Ave	Appears to be sink hole above storm water pipe. Area marked by cones. Across the street there is another sink hole above the outfall leading to drainage channel.		3	2	\$ 50,000.00	3
5004 N Ronald Rd	See 'Inspection List Tab' for previous notes. Street flood with heavy rain fall. Area appears to be a low point, possible problem with capacity of drainage systems in area due to developments upstream. Property owner noted erosion in back yard, possible use of PPDA.	1419257009	3	3	\$ 125,000.00	4

Project Name	Notes	PIN	Site Assessment	Priority	Budget Estimate	Election District
2706 W Parkridge Dr	See 'Inspection List Tab' for previous notes. Appears to have 2 exposed pipes in back of property. Large exposed outfall pipe in fenced in area that drains into creek area behind property. Minor debris in creek. Major erosion near outfall on banks.	1431177009	3	2	\$ 75,000.00	4
11403 N Hickory Woods St	See 'Inspection List Tab' for previous notes. Reoccurring sink holes along fence lines, require repair every year. Property owner of 11321 has had to fix fence multiple times due to sink holes. Possible use of PPDA.	929204004	3	3	\$ 40,000.00	5
Nowland 1023 W	Downstream from Macqueen (2010 project), moved off the 2011 list due to large cost. 9/09/14 sent PPDA flyer and sent consultant. Property is on a regulated floodplain and there is a city ROW to the west of the property. Need to discuss options since it is in a regulated flood plain.	1432427032	3	3	\$ 65,000.00	2
1127 S Laramie St	On NE side of property there appears to be a white PVC pipe with a cracked end sticking out of the ground roughly a foot. Area in front of pipe appears to have minor erosion that could cause water to pond before it enters the drainage grate.	1713276008	4	4	\$ 15,000.00	1
Isabell and Hanssler	Resident says street flood when heavy rains occur. the concrete channel is full of silt and small tree that is blocking channel. Ditch cleaning needed.	1432256001	4	4	\$ 25,000.00	2
1019 W Gilbert	Appears to be erosion on both east and west side of culvert. Heavy vegetation in surround area.	1432208016	4	5	\$ 15,000.00	2
7127 N Fox Point Dr	Grass growth is strong. Property owner informed about some new minor erosion near culvert caused by latest rain fall event. Area between ravine and culvert floods with heavy rainfall. Possible use of PPDA.	1409329002	4	5	\$ 15,000.00	3
413 W Lakewood Ave	See 'Inspection List Tab' for previous notes. Appears to be exposed pipe on side of road closest to property. Minor erosion around pipe. At the end of the street there are broken bits on concrete leading to drainage grate. Minor erosion along path.	1421305020	4	5	\$ 15,000.00	3
5009 N Belle Ct	See 'Inspection List Tab' for previous notes. Appears to be rubble in and around area surrounding outfall. Minor erosion on slopes leading to outfall. Appears to be private drainage pipe in back that is exposed for several feet that drains into creek in the back of property.	1421252009	4	4	\$ 25,000.00	3
1415 Cimarron	Upstream inlet appears to have minor sediment build up, blocking flow. Manually removed debris in surround area to improve flow and clear inlet. Downstream inlet appeared to have floating debris, flow not impacted.	1417378020	4	4	\$ 30,000.00	4

Project Name	Notes	PIN	Site Assessment	Priority	Budget Estimate	Election District
2629 N Lavelle Ct Outfall #8945	See 'City of Peoria Dry Weather Outfall Screening 2020' for previous notes. Pipes section is intact but has separated. Minor erosion in surrounding area.	1336251017	4	4	\$ 40,000.00	4
2808 Overbrook Ct Outfall #8952	See 'City of Peoria Dry Weather Outfall Screening 2020' for previous notes. Concrete structure appears to be collapsed. Tree fallen on top of outfall. Major erosion in surrounding area.	1336226010	4	4	\$ 40,000.00	4
3604 W Marengo Dr Outfall #8938	See 'City of Peoria Dry Weather Outfall Screening 2020' for previous notes. Outfall pipe appears to be broken in multiple sections. Minor erosion in surrounding area.	1336251022	4	4	\$ 30,000.00	4
2601 W Windflower Ct	See 'Inspection List Tab' for previous notes. Appears to be minor erosion in back of property leading to ravine.	930376021	4	4	\$ 25,000.00	5
3213 W Capitol	Appears to be major erosion surrounding outfall. Pipe free hangs for several feet.	1312428024	4	4	\$ 40,000.00	5
11336 N Antler Pl	Major erosion on slopes of creek in pack of property. Appears to be exposed pipe and broken bits of concrete in creek.	929202009	4	4	\$ 50,000.00	5
10517 N Coral Belle Ct	Water from the pipe was causing erosion that was causing damage by property owner's fence. When the fence was put in, he was told he couldn't build further because there was an easement. Need to look into stabilizing where outfall is.		4	4	\$ 20,000.00	
6702 N Parkdale Dr	The water stays in the street and either isn't getting into the inlet or the pipe size is not big enough. Look into regrading the street and redoing the curbs	1312480001	4	4	\$ 15,000.00	5
6211 N Jamestown Rd	Erosion at end of outfall pipe		4	4	\$ 25,000.00	
Trail View	Point repair on pipe. Mortar failling around brick.		4	4	\$ 15,000.00	
Townsend Dr. 9925 N	ditch along Ravenwoods has two large trees with roots encroaching on the channel, also sticks and tree debris in channel. Ditch cleaning recommended	932276006	4	4	\$ 25,000.00	5
11030 W Scotts Trail	During heavy rainfall events street will have standing water. Several properties in area have issues with ponding in back yards.		4	4	\$ 15,000.00	5
Oakwood Dr and Deerbrook Dr	Appears to be stagnant water on corner leading to drain under road. Gutter across the street has standing water. Possibly a blockage in the pipe.		4	4	\$ 10,000.00	5
10025 N Spring Ln	See 'Inspection List Tab' for previous notes. Drainage ditches out front of property flood during heavy rain fall events. Issue is not isolated to single property, multiple properties have same issue.	932201012	4	4	\$ 25,000.00	5

Project Name	Notes	PIN	Site Assessment	Priority	Budget Estimate	Election District
Allen/Park (#2313)	broken/cracked in some spots but still in tact, repair riprap below concrete flare	1406100004	5	5	\$ 20,000.00	5
Sheridan 5105 N	I spoke with Fr. Merdian. He explained that there is a pipe on the hill along the west side of Sheridan that drains to a ditch and the ditch/end of pipe are eroding. From Google map, it looks like the hill has a ditch section that then turns into a curb and gutter section near the high school (approximately at Sherbrook. There is driveway culvert at what looks to be a school parking lot on the north end. Please take a look and see if it is a public or private repair. If it's public add to ARC. I explained that we add to the list based on priority. If it is private, send them info on the PPDA. If it is a small ditch cleaning/stabilization, we may add that to the other small ditch cleaning projects to make one decent ditch maintenance project this year. ditch cleaning needed		5	5	\$ 25,000.00	3
503 Beacon	See 'Inpesction List Tab' for previous notes. No new storm water issues noted. Check in later	1435134002	5	5	\$ 10,000.00	1
2105 N Ardell Pl	Possible rain garden on site. Drainage grate near stop sign. No storm water issue noted.	1431306035	5	5	\$ 10,000.00	2
2222 North Northcrest	See 'Inspection List Tab' for previous notes. Back of property seems to be low point of area. Standing water in backyard, drains to culvert.	1431305003	5	5	\$ 25,000.00	2
3126 N Finnel Ave Outfall #9215	See 'City of Peoria Dry Weather Outfall Screening 2020' for previous notes. Outfall is half filled with silted dirt. Medium growth of vegetation in the area.	1430482012	5	5	\$ 15,000.00	2
854 E High Point Terrace	See 'Inpesction List Tab' for previous notes. Appears to be minor erosion along channel and side road leading to property. Multiple spots where c pipe sticks out into channel in back of property. Behind property there is a large section of above grade c pipe going downhill leading to channel.	929204004	5	5	\$ 25,000.00	3
3810 N Donna Ln	See 'Inspection List Tab' for previous notes. No new storm water issues noted.	1430276005	5	5	\$ 10,000.00	4
4908 N Ronald Rd	See 'Inspection List Tab' for previous notes. Appears to be minor erosion around wing wall.	1419257014	5	5	\$ 15,000.00	4
5202 N Ronald Rd	Exposed c pipe across road from listed property. Up street on Camile there is an open water meter manhole cover. No storm water issues noted.	1419229008	5	5	\$ 10,000.00	4
N Molleck Dr and W Marengo Dr Outfall #8932	See 'City of Peoria Dry Weather Outfall Screening 2020' for previous notes. Pipe section appears to be intact but has separated. Major erosion in surround area.	1336252002	5	5	\$ 40,000.00	4

Project Name	Notes	PIN	Site Assessment	Priority	Budget Estimate	Election District
6224 N Lexington Dr	See 'Inspection List Tab' for previous notes. Property appears to have a possible rain garden. No immediate storm water issues noted.	1417277011	5	5	\$ 10,000.00	4
W La Claire Ln	No immediate storm water issues noted.		5	5	\$ 10,000.00	4
4042 W Hilmont Rd	See 'Inspection List Tab' for previous notes. Minor erosion around outfall/small wing wall behind property. Scattered garbage and debris in surrounding area.	1313158011	5	5	\$ 20,000.00	4
2714 W Glen Ave	See 'Inspection List Tab' for previous notes. No immediate storm water issues noted.	1419326002	5	5	\$ 25,000.00	4
6018 N Graceland Dr	See 'Inspection List Tab' for previous notes. Area behind property has small amount of standing water. No immediate storm water issues noted.	1417305002	5	5	\$ 10,000.00	4
717 W South Forest/10217 N Forrest Dr	See 'Inpesction List Tab' for previous notes. Private culvert on 10217 W South Forest has standing water. Culvert pipe appears to not be sloped properly to allow steady flow of storm water to road culvert.	929479012/0 932202029	5	5	\$ 25,000.00	5
3512 W Chartwell	Appears to be debris along ditch leading to culvert.	1312453021	5	5	\$ 25,000.00	5
6323 W Waterstone Way	See 'Inspection List Tab' for previous notes. No new storm water issues noted.	1303180001	5	5	\$ 10,000.00	5
9138 N Pine Tree Rd	See 'Inspection List Tab' for previous notes. Property appears to have had work done in back near ravine. Steep slope leading to creek. No storm water issues noted.	932454011	5	5	\$ 10,000.00	5
11204 Oak Trail	See 'Inspection List Tab' for previous notes. No new storm water issues noted.	929203003	5	5	\$ 10,000.00	5
1101 W Teton Dr	See 'Inspection List Tab' for previous notes. Appears work has been done to stabilizing surrounding area around outfall and slopes in the back of the property. Some minor erosion after outfall.	1408404026	5	5	\$ 15,000.00	5
N Parkwood Dr and W Chartwell Rd	See 'Inspection List Tab' for previous notes. No immediate storm water issues noted.		5	5	\$ 10,000.00	5
University 8801 N	property appears to be near the high point, the area is very flat. Both adjoining properties have problems with their ditches. The outfall pipes come in lower than the ditch itself. Survey to evaluate if regrading ditches will help and how far you need to regrade to get the ditches to drain properly. Other option bore pipe under University and outlet ditch in the east side ditch. Will be apart of larger drainage project along when city has a project on university	1406276006		5	\$ 50,000.00	

Project Name	Notes	PIN	Site Assessment	Priority	Budget Estimate	Election District
				Total	\$ 2,010,000.00	

2021 Storm sewer projects identified through Televising Total length (ft): 50,278 # 4 & 5 proj: 299 Cost to Fix Grade 4 and 5: \$4,459,336.80

Pipe Li	ning Cost from	Televising (Grade 5)									1
	PipeSegmen	Street	UpstreamMH	DSManhole	Material	Height	Width	Length (FT)	Cost per Foot	Base cost	Estimated Construction (LF cost x 1.5)
1 2	291 3306b	Trails Edge Lexington	342 3703b	341 3703a	PVC RCP	12 15	12 15	49.9 80.9	\$80.00 \$84.00	\$3,992.00	\$5,988.00 \$10,193.40
3	3306b 1333	Lexington Oakwood	3703b 1540	3703a 1541	RCP	15	15	80.9 205.4	\$84.00 \$80.00	\$6,795.60	\$24,648.00
4	xx256	Westport	MH behind curb	to N	RCP	18	18	41.5	\$100.00	\$4,150.00	\$6,225.00
5	1385a	Deerbrook	1603	1603a	PVC	12	12	94.1	\$80.00	\$7,528.00	\$11,292.00
6	xx177a	Knollwood	×100	x100a	CMP	18	18	151.2	\$100.00	\$15,120.00	\$22,680.00
7	2947	Northgate	3437	3436	RCP	12	12	25.8	\$80.00	\$2,064.00	\$3,096.00
8	4376	Post Oak	4725	4725a	CMP	15	15	152.7	\$84.00	\$12,826.80	\$19,240.20 \$22,766.40
9	6342 291	University Ave Trails Edge	5900 342	5844 341	RCP PVC	48 12	48 12	54.4 51.2	\$279.00 \$80.00	\$15,177.60 \$4,096.00	\$6,144.00
11	xx120	Boulevard	SE Corner	SW Corner	CMP	36	36	40.8	\$80.00	\$6,936.00	\$10,404.00
12	3480	Saint Marys Rd	3765	3914	RCP	12	12	250.3	\$80.00	\$20.024.00	\$30,036.00
13	1502	North Forest	1761	1762	CMP	15	15	26	\$84.00	\$2,184.00	\$3,276.00
14	Unkown	Sheridan	1	3	VCP	18	18	85.1	\$100.00	\$8,510.00	\$12,765.00
15	xx109	Republic	487 Republic	306 Republic	VCP	12	12	351.3	\$80.00	\$28,104.00	\$42,156.00
16 17	4576 3005	Clarewood	5554 3481	5553 3573	CT RCP	12	12	275.9	\$80.00 \$142.00	\$22,072.00	\$33,108.00 \$1.576.20
17	3005 1618	N Regant PL Townline	3481 1933	3573 1931	RCP RPM	30 12	30 12	7.4 395.9	\$142.00 \$80.00	\$1,050.80	\$1,576.20 \$47,508.00
19	4816	N Black Oak Ct	5377	5395	PVC	15	15	201.2	\$80.00 \$84.00	\$31,672.00 \$16,900.80	\$25.351.20
20	2064	University	2065	2062	RCP	15	15	123.4	584.00	\$10,365.60	\$15,548.40
21 22	1016 1201	Forest/Glen Bodell	1199 1143	1202 1139	RCP RCP	18 24	18 24	426.9 171.8	\$100.00 \$121.00	\$42,690.00 \$20.787.80	\$64,035.00 \$31,181.70
23	1384	Wilderness	Under Driveway	1604	RCP	12	12	51.7	\$80.00	\$4,136.00 \$18,863.90	\$6,204.00
24	1320	Hickory Woods	1523	1516	RPM	24	24	155.9	\$121.00	\$18,863.90	\$28,295.85
25 26	xx184 xx265	Alexender Derby	Inlet the E 7528 Derby	to E MH in vard	PVC CMP	12 30	12 40	227.8 106.1	\$80.00 \$142.00	\$18,224.00 \$15.066.20	\$27,336.00 \$22,599.30
27	x45b	N Harvard	3015	outfall	CP	24 24	24 24	89.7	\$121.00	\$10,853.70	\$16,280.55
28 29	xx106 3797	Beacon Allen	z103 4987	z104 4988	RCP RCP	24 15	24 15	86.6 339.7	\$121.00 \$84.00	\$10,478.60 \$28,534.80	\$15,717.90 \$42,802.20
30	xx287	2801 N Easton PL	0	1	CMP	12	12	59.4	\$80.00	\$4,752.00	\$7,128.00
31	xx178	Richmond	×100	×101	CMP	15	15	41.4	\$84.00	\$3,477.60	\$5,216.40
32 33	889 xx178	Meadowview Richmond	916 ×100	917 x101	RCP CMP	12 15	12 15	208.9	\$80.00 \$84.00	\$16,712.00	\$25,068.00 \$12,738.60
34	Unkown	5015 Mansfield	x100 Inlet	outfallc	CMP	15	15	101.1	\$84.00	\$1,293.60	\$1,940.40
35	Unknown	Parish	Manhole	outfall	RCP	30	30	16	\$142.00	\$2,272.00	\$3,408.00
36 37	xx138 Unknowm	Isabel W Wilder St	x1	x2 Manhole	CMP	12	12	18.3 7.4	\$80.00	\$1,464.00	\$2,196.00 \$888.00
3,	Ulkilowili	W WILDER St	mac.	41 degrees			**	7.4	200.00	2332.00	3000.00
38	x74	Fairmont	40 degrees 45' 25" -89 degrees 36' 23"	45' 24" -89 degrees 36' 22"	CMP	12	12	36.1	\$80.00	\$2,888.00	\$4,332.00
39 40	2064	University	2065	2062	RCP	15 12	15 12	35.3	\$84.00	\$2,965.20	\$4,447.80 \$29.184.00
41	xx337 4336	W Corrington Post Oak	0 4650	1 4650a	PVC	12	12	243.2 5	\$80.00 \$80.00	\$19,456.00 \$400.00	\$600.00
42	6875	Trails End	7267	Outfall	RCP	15	15	120.5	\$84.00	\$10,122.00	\$15,183.00
43 44	Unknown xx264	St Micheal Prospect	Manhole 5700 N Prospect Inlet	Outfall	CMP	48 15	48 15	31.6 0	\$279.00 \$84.00	\$8,816.40	\$13,224.60 \$0.00
45	5828	Hamilton	6775	6774	RPM	15	15	0	\$84.00	\$0.00	\$0.00
46 47	Unknown 754	hampshire Broadland	towards Austin Dr 1026	on hampsshir 1025	CMP RCP	15 12	15 12	11.3 27.7	\$84.00 \$80.00	\$949.20 \$2.216.00	\$1,423.80 \$3,324.00
48	754 1546	Ravinwoods	1026	1025	RCP	12	12	187.3	\$80.00	\$14,984.00	\$22,476.00
207	1469	Ravinwoods	1787	1788	PE	36	36	67.5	\$170.00	\$11,475.00	\$17,212.50
208 209	x709 1540	S Forest Tr Ravinwoods	a709 1832	b709 1831	CMP RPM	15 12	15 12	22.2 15.5	\$84.00 \$80.00	\$1,864.80 \$1,240.00	\$2,797.20 \$1.860.00
210	x37	N Harvard	manhole in drive	outfall	CP	18	18	29.7	\$100.00	\$2,970.00	\$4,455.00
211 212	1415a 204	Sleepy Hollow Wood trail	1642a 604	1643 604a	CMP RCP	15 30	15 30	120.3 116.9	\$84.00 \$142.00	\$10,105.20 \$16,599.80	\$15,157.80 \$24,899.70
213	6963	Glen Ave	7124	7123	PVC	8	8	7.6	\$80.00	\$608.00	\$912.00
214	2784a	Picture Ridge	3116a	3116b	CMP	12	12	22	\$80.00	\$1,760.00	\$2,640.00
215 216	5558 3675	Woodview W Richards Way	5552 4550	5548 4570	PVC RCP	18 18	18 18	245.2 232.5	\$100.00 \$100.00	\$24,520.00 \$23,250.00	\$36,780.00 \$34,875.00
217	xx317	Oak Pr	0	1	CMP	12	12	119.4	\$80.00	\$9,552.00	\$14,328.00
218	1635 147	Townline Granite St	1916 846	1915 845	RCP	15 15	15 15	36.4 78.8	\$84.00 \$84.00	\$3,057.60	\$4,586.40
220	1489	Caymen Cove	1724	1724a	RPM	12	12	107.2	\$80.00	\$8,576.00	\$12,864.00
221	w118	Western	6273	6280	CT	12	12	23.6	\$80.00	\$1.888.00	\$2,832.00
222 223	121aa xx234	Wilder ADM under bridge	109ab MH by guard shack	109aa Outfall at rive	RPM RCP	18 60	18 60	74.6 239.8	\$100.00 \$1,200	\$7,460.00 \$287,760.00	\$11,190.00 \$431,640.00
223 224	944	ADM under bridge Bodell	1072	1069	RCP CP	60 18	60 18	239.8 120.1	\$100.00	\$12,010,00	\$18,015.00
225 226	2370 3539	Glenbrooke 1819 W Teton Dr	2842 4006	Outfall 4084	RCP CMP	15 12	15 12	36.8 82.5	\$84.00 \$80.00	\$3,091.20 \$6,600.00	\$4,636.80 \$9,900.00
227	5174	Mackinac	6518	6517	CMP	18	18	20.2	\$100.00	\$2,020.00	\$3,030.00
228	xx106	Beacon Laurel Wood	z103	z104	RCP	24 12	24	173.6 130.8	\$121.00	\$21,005.60	\$31,508.40 \$15,696.00
229	1572 x56	Laurel Wood Westport	1877 3005 MH middle of yard	1877a outfall	CMP	12 36	12 36	130.8 84.1	\$80.00 \$170.00	\$10,464.00 \$14,297.00	\$21,445.50
231	3590	Terra Vista Dr	4118	4119	RCP	15	15	32.8	\$84.00	\$2,755.20	\$4,132.80 \$46,848.00
232 233	R33A005954 x57	Corrington 1428 Daytona	R33A006079 1501 headwall	R33A006081 1428 outfall	CT RCP	12 36	12 36	390.4 219.2	\$80.00 \$170.00	\$31,232.00 \$37,264.00	\$46,848.00 \$55,896.00
.33			1301 H690M9H	1420 Outrall	·····F	30	20	24,116	\$170.00 TOTAL:	\$37,264.00 \$2,106,938.00	
Pipe Li	ning Cost from	Televising (Grade 4)	UpstreamMH	DSManhole	Material	Height	Width	Length (FT)	Cost per Foot	LF Cost	Est. Construction Cost
1	PipeSegmen unknown	Street Sheridan	UpstreamMH 1	DSManhole 3	VCP	18	18	Length (FT) 85.1	Cost per Foot \$100.00	\$8,510.00	\$12,765.00
2	P18B002722	Malone	P188001998	P188002004	Ct RCP	12 12	12 12	410	580.00	\$32,800,00	\$49,200.00 \$4,716.00
3	2943 3507	Northgate Teton drive	3403 3918	3402 3818	RCP PVC	12 12	12 12	39.3 160.1	\$80.00	\$3,144.00 \$12.808.00	\$4,716.00 \$19,212.00
5	4863-1	N Cedarwilde Ct	6270	6270-A	RCP	12	12	50.3	\$80.00	\$4,024.00	\$6,036.00
6 7	338	Winter Ct	412	868	RCP	12	12	83.8	\$80.00	\$6,704,00	\$10,056.00
7	xx182 7307	Alexender 2914 W Brookside	S inlet at tracks 0	(inlet at track	PVC	12 24	12 24	27.1	\$80.00	\$2,168.00 \$24.442.00	\$3,252.00 \$36.663.00
10	3029	Morningside	3462	3390	CMP	36	48	306.8	\$400.00	\$122 720 00	\$184,080.00
11	1545a	Red Oak	1841	1842	RPM	12	12	79.8	\$80.00	\$6,384.00	\$9,576.00
12 13	1574 192	Thousand Oaks Trail View	1884 529	1885 600	RPM RCP	12 24	12 24	116.2 107.4	\$80.00 \$121.00	\$9,296.00 \$12,995.40	\$13,944.00 \$19,493.10
14	xx293	6109 N Wickwood Rd	0	1	CMP	12	12	40.8	\$80.00	\$3,264.00	\$4,896.00
15 16	4472 3125	W Verner Dr High Point	4514 3275	4514-1 3276a	CMP PVC	15 18	15 18	33.4 39.6	\$84.00 \$100.00	\$2,805.60 \$3,960.00	\$4,208.40 \$5,940.00
16 17	3125 2068	High Point University	3275 2067	3276a 2069	RCP	18 12	18	39.6 35.8	\$100.00	\$3,960.00	\$5,940.00 \$4,296.00
18	3460	Kingsway	3866	3864	RCP	15	15	261.5	\$84.00	\$21,966.00	\$32,949.00
19 20	6113 338	Shenandoah Winter Ct	6937 412	6939 868	RCP RCP	36 12	36 12	316.3 83.8	\$170.00 \$80.00	\$53,771.00 \$6,704.00	\$80,656.50 \$10.056.00
21	unknown	Allen Road	west	east	RCP	12	12	9.9	\$80.00	\$792.00	\$1,188.00
22	3466	Manning Road	3776-A	3777	RCP	18	18	130.8	\$100.00	\$13,080,00	\$19.620.00
23 24	6967 6528	Glen Ave Glen Ave	7120 7055	7121 7058	RCP RCP	24 24	24 24	59.5 102.3	\$121.00 \$121.00	\$7,199.50 \$12.378.30	\$10,799.25 \$18,567.45
25	Unknowm	Austin	Austin	hampshire	RCP	15	15	303.3	\$84.00	\$25,477.20	\$38,215.80
26 27	4479-A xx296	4013 Verner Dr W Reservoir Blvd	4509 8752	4511 8754	CMP RCP	18 18	18 18	132.6 360.4	\$100.00 \$100.00	\$13,260.00 \$36,040.00	\$19,890.00 \$54,060.00
28	3460	W Reservoir Blvd Kingsway	8752 3866	8754 3864	RCP	18 15	18 15	360.4 261.5	\$100.00 \$84.00	\$36,040.00	\$54,060.00 \$32,949.00

LF Cost Construction costs- assume 1.5x
UV Cure 12" \$ 80.00 \$120.00
UV Cure 15" \$ 80.00 \$126.00
UV Cure 18" \$100.00 \$190.00
UV Cure 21" \$100.00 \$150.00 UV Cure 24" \$121.00 \$181.50 UV Cure 30" \$142.00 \$213.00 UV Cure 36" \$170.00 \$255.00 UV Cure 48" \$279.00 \$418.50

Pipes currently Known to be under buildings

BUILDING ADDRESS	TYPE	PRORITY	OWNERSHIP	NOTES	PIPE #	INSPECTION STATUS	PARCEL ID#	UNDER BUILDING
2019 W Northmoor Rd	RCP	High	Utility Easement	Sent sketch to Dan(Foth)-2/21/20 via Email	5188	Completed	1418277026	YES
132 W Northaven Ct	CMP	High	Not COP Easement	Hole, soil visible @8', unbalanced, deformed	3038-A	Completed	1409326006	YES
5501 N Cedarwilde Ct	RCP	Medium	City of Peoria-Easement	Buried MH	4863/4863-1	Completed	1314353022	YES
10902 N Waterton Dr	RCP	Medium	Unknown	Cable intruding through joint	885	Completed	929156010	YES
11336 N Antler Pl	RCP	Medium	City of Peoria-Easement	Base of foundation is shown, reinforcement exposure	1363/1362B	Completed	929202009	YES
1013 W Verner Dr	CMP	Medium	Utility Easement	Hole @133' can't continue,	4479-A	Completed	1313310020	YES
1915 W Courtside Dr	CMP	Low	City of Peoria-Easement	No issues	3603-a	Completed	1407429015	YES
1819 W Teton Dr	CMP	Low	Utility Easement	Okay, no serious issues	3539-A	Completed	1408352006	YES
5315 N Rothmere Dr	CMP	Low	COP SW Easement	Too much water,	4912	Completed	1323126008	YES
3520 W Tedford Dr	RCP	Low	COP SW Easement	Good, minor issues	4157	Completed	1312451011	YES
5345 N Kirsten Cu	RCP	Low	Utility Easement	Good, no issues	4945/4946	Completed	1323202022	YES
1012 W Verner Dr	PVC	Low	Utility Easement	Good, no issues	4481	Completed	1313311005	YES
5618 N Hamilton Rd	RCP	Low	Unknown	Good, no issues	5284	Completed	1418456006	YES
2113 W Austin Dr	RCP	Low	Utility Easement	Good, no issues	5250	Completed	1418479008	YES
6521 N Sheridan Rd	RCP	Low	Utility Easement	Material change, good no issues	3306C	Completed	1417230003	YES
4915 N Big Hollow Rd	RCP	Low	Unknown	Good, MMC to 10"Clay pipe @96"	6518	Completed	1419176019	YES
2506 W Marian CT	RCP	Low	Unknown	Good, sharp turn, far past building	5813	Completed	1419132015	YES
Inverness and Dundee	RCP	Low	Unknown	Good, no issues	1958	Completed	1405278009	YES
2213 W Taholah CT	RCP	Low	Utility Easement	Good, rebar drilled @56', TBI in Joint	5837	Completed	1419256030	YES
1005 W Deerbrook Dr	RCP	Low	Storm Sewer Easement	Good, no major issues	1379B	Completed	929252022	YES
5903 N Oak Grove PI	RCP	Low	No Map(Private Area)	Good condition, no major issues	4831	Completed	1314327037	YES
11057 N Buckskin CT	RCP	Low	Utility Easement	Good condition, no major issues	1390	Completed	929253001	YES

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29	3475	Manning	3769 1849	3770 1850	CMP PVC	24	24	113.7 69.2	\$121.00 \$80.00	\$13,757.70 \$5,536.00	\$20,636.55 \$8,304.00
29 30	1551	Manning Ravinwoods	1849	1850	PVC	24 12	24 12	69.2	\$80.00	\$5,536.00	\$8,304.00
31	5939	Orange Prairie	7446	7449	RPM			51.7	\$100.00		\$7.755.00
32	5883 207	Sunnyview Grove Mill	6948 628	6952 632	CMP RCP	24 36	24 36	283.3 116.3	\$121.00 \$170.00	\$34,279.30 \$19,771.00	\$51,418.95 \$29,656.50
31 32 33 34 35 36	207	Wolf	528 3488a	3488	RCP	36 10	36 10	116.3	\$170.00	\$19,771.00	\$29,656.50
35	3093 6980	Glen Ave	7113	7111	RCP RCP	18 12	18 12	41.6 72.8	\$80.00	\$5,824.00	\$6,240.00 \$8,736.00
36	427	Grove Mill	629	628	RCP				\$100.00 \$80.00 \$170.00	\$4,160.00 \$5,824.00 \$20,859.00	\$31 288 50
38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55	916 P18B001213	Wilhelm Marquette	1098 P18B001901	1097 P18B001213	RCP	18 15	18 15	26.2 321.9	\$100.00 \$84.00	\$2,620.00 \$27,039.60	\$3,930.00 \$40,559.40
39	P18B001213 4164a	Marquette Avcliffe	P188001901 4778a	P188001213 4788	CT RCP	15 12	15 12	321.9 68.3	\$84.00 \$80.00	\$27,039.60 \$5.464.00	\$40,559.40 \$8.196.00
40	4164a 3126	Aycliffe High Point	4778a 3276	4788 3277	PVC	18	12	68.3 35.9	\$100.00	\$5,464.00 \$3,590.00	\$8,196.00 \$5,385.00
42	5390	5729 N Rosemead Dr	6615	6616	CMP	12	18 12	164.6	580.00	\$13,168,00	\$19,752,00
43	4912 1554	5301 N Rothmere Dr Ravinwoods	6223 1854	6222 1855	PE PVC	36	36 12 15	239 57	\$170.00 \$80.00 \$84.00	\$40,630.00 \$4,560.00 \$9,492.00	\$60,945.00 \$6,840.00 \$14,238.00
44	1554	Ravinwoods	1854	1855	PVC	36 12 15	12	57	\$80.00	\$4,560.00	\$6,840.00
45			5386	5386a	RCP	15	15		\$84.00	\$9,492.00	\$14,238.00
46	1411 6543	Grand Oak Glen Ave	1660 7085	1659 7085a	RCP RCP	12 12	12 12	25.7 131.6	\$80.00	\$2,056.00 \$10,528.00	\$3,084.00 \$15,792.00
47	2096a	Altofer	7085 2139a	7085a 2139	PVC	12	12	131.6	\$80.00	\$10,528.00	\$15,792.00
49	745	Broadland	1017	1352	RPM	15	15	165.9	\$84.00	\$13,050.00	\$20,903.40
50	745 3035-1	132 W Northaven CT	3346	3346-∆	RCP	15 15	15 15	31.3	\$84.00 \$84.00	\$13,935.60 \$2,629.20	\$3,943,80
51	1488 3529	Caymen Cove Hi Wood Street	1725 3997	1724 3997-A	RCP	12	12	30.6 151.3	\$80.00	\$2,448.00	\$3,672.00
52	3529	Hi Wood Street	3997	3997-A	CMP RCP	12 24 18	12 24 18	151.3	\$80.00 \$121.00 \$100.00	\$2,448.00 \$18,307.30 \$7,160.00	\$3,672.00 \$27,460.95 \$10,740.00
53	xx186	Marble Way	3535	3535a 843	RCP	18	18	71.6	\$100.00	\$7,160.00	\$10,740.00
54	143 1316	Carlisle Ln Hickory Woods	276 1525	1521	RPM RPM	12 24	12 24	19.3 111.4	\$80.00 \$121.00	\$1,544.00 \$13,479.40	\$2,316.00 \$20,219.10
56		Brookshire	1139	1230		18	18	273.6	\$100.00	\$27.360.00	\$41,040.00
57	589 5556	Brooklyn PL	712	1254	CP CMP	18	18	141.3	\$100.00	\$14,130.00	\$21,195.00
58	5556	Clarewood	5548	5551	CMP	24	24	5.5	\$121.00	\$665.50	\$998.25
59	3433 2357	Kingsway	3863 2816	3864	PVC RCP	15	15	40	\$84.00	\$3,360.00	\$5,040.00
56 57 58 59 60 61 62 63	2357 x67	Kingsway Waterstone Wy St Michaels	2816 3815 CB	2816a 3812 MH	CMP	15 36 15	15 36 15	40 45.5 137.4	\$84.00 \$170.00 \$84.00	\$3,360.00 \$7,735.00 \$11,541.60	\$11,602.50 \$17,312.40
62	6029	St Michaels Cherny Ridge	3815 CB 5813	3812 MH	RPM	18	19	137.4	\$84.00	\$11,541.60	\$17,312.40
63	6928 5877a	Cherry Ridge Sunnyview	6967a	5815 6967	CMP	18	18 18	44.6 97.1	\$100.00 \$100.00	\$9,710.00	\$14,565.00
64	6576	Glen Ave	7101	7099	RCP	12	12	18.3	\$80.00	\$1,464.00	\$2,196.00
65	3125a	High Point	3276a	3276	PVC	18	18	122.2	\$100.00	\$12,220.00	\$18,330.00
66	3653	Patricia Lane	3805	3806	PVC	12	12	158.5	\$80.00	\$12,680.00	\$19,020.00
_								7,573	TOTAL:	>865,953.20	\$1,298,929.80
l										\$2,972,891.20	\$4,459,336.80
<u> </u>									Total:	\$2,973,000	\$4,459,000
Pipe Int	o (Grade 3)	Street	UpstreamMH	DSManhole	Material	Haink-	Midel	Length (FT)			
1		Street Boulder Creek Ct	UpstreamMH 94	DSManhole 99	RCP	Height 24	Width 24	111			
2		Country Creek Ln	159	154	RCP	36	36	139			
3		Country Creek Ln Prairie Creek Ct	170	171	RCP RCP	36 15	36 15	139 60			
4		Stone Creek Dr	91	109	RCP	21	21	128			
5		Stone Creek Ct	828A	828	RCP	18	18	99			
2 3 4 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26					Concrete						
6		Oak Creek Ct	117	110	Pipe (non-	15	15	166			
					reinforced)						
7		Summerbend	400	401	RCP	24	24	146			
8		Summerbend Coral Belle	417	418	RCP	12	12	141			
9		Trails Edge	423	424	RCP	12	12	49			
10		Tuscany Ridge Ct	595	594	Cast Iron	12	12 15	38			
11		Liams Wy	702 704	703 705	RCP	18 12	15	105 52			
12		Ballymore Ballymore	704 705	705 710	RCP	12	12 15	52 224			
14			1251	707	RCP	49		158			
15		Dunmore Dr Dunmore Dr	699 698	697 697	RCP	18 12	15 12	241			
16		Dunmore Dr	698	697	RCP	12	12	35			
17		Scotts Trail	725	724	RCP	12	12	53			
18		Scotts Trail	721	722	RCP	18	15	131			
19		Marks Pl	733	734	RCP	15	15	82			
20		Brooklyn Brooklyn	999 1001	1000 1002	RCP RCP	18 12	18 12	103 34			
22		Brooklyn	1010	1002	RCP			161			
23		Broadland	1021	1022	RCP	18	18	268			
24		Broadland	1027	1025	RCP	18 18	18 18	249			
25		Broadland	1022	1023	RCP	18	18	34			
26		Geneva	1034	1407	RCP	18	18	18			
					Concrete						
27		Whittington Way	1463	271	Pipe (non-	15	15	141			
					reinforced)						
Dine Int	o (Grade 2)							3,165		_	
ripe iiii	o (drade 2)	Street	UpstreamMH	DSManhole	Material	Height	Width	Length (FT)			
1		Stone Creek Dr	106 190	104 847	RCP RCP	21 15	21 15	128			
2		Stone Creek Dr Saddlehorn Ct	190	847	RCP	15	15	128 129			
3		Rosebury Ln	182	154				142			
4		Country Creek Ln Saddlehorn Way	159 165	154 164	RCP RCP	36 15	36 15	139 23			
6		Country Ridge Way	165 166	164 162	RCP	15	15 15	105			
7		Country Ridge Way Stone Creek Dr	17	91	RCP	21	21	59			
8		Stone Creek Dr	125	129	RCP	15	15	27			
1 2 3 4 5 6 7 8					Concrete						
9		Stone Creek Dr	124	120	Pipe (non-	18	18	147			
l					Pipe (non- reinforced)						
10		Onyx Ln	237	235	PVC	12	12	53			
		•									
l					Reinforced						
11		Onyx Ln	234	236	Plastic Pine	18	18	370			
					(Truss Pipe)						
12		Onvx Ln	233	232	PVC	12	12	34			
					Reinforced						
13		Moonstone Ct	229	834	Plastic Pipe	12	12	187			
					(Truss Pipe)						
					Reinforced						
14		Granite St	846	845	Plastic Pipe	15	15	236			
14					(Truss Pipe)						
					Painform.						
15		Granite St	249	845	Reinforced Plastic Pipe	12	12	29			
				343	(Truss Pipe)						
		Playden Dr	214	850	RCP	18	18	206			
			297	296	RCP RCP	15 15	15 15	73 38			
		Stonenenge Ct	40.0								
		Stonehenge Ct Stonehenge Ct	296	295	DCD.	24		100			
		Stonehenge Ct	296 289	294	RCP	24		149			
		Stonehenge Ct Trails Edge Dr Trails Edge	296 289 346 367	294 345 358	RCP PVC PVC	24 12 12	24 12 12	149 47 147			
		Stonehenge Ct Trails Edge Dr Trails Edge Winter Ct	296 289 346 367 412	294 345 358 868	PVC PVC RCP	24 12 12 12	24 12 12 12	149 47 147 105			
		Stonehenge Ct Tralls Edge Dr Tralls Edge Winter Ct Harvest Ct	296 289 346 367 412 391	294 345 358 868 390	RCP PVC PVC RCP RCP	24 12 12 12 12	24 12 12 12 12	149 47 147 105 179			
16 17 18 19 20 21 22 23 24		Stonehenge Ct Trails Edge Dr Trails Edge Winter Ct	296 289 346 367 412	294 345 358 868	PVC PVC RCP	24 12 12 12	24 12 12 12	149 47 147 105			

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25	Summerbend Ct	396	400	RCP	18	18	291	
26	Summerbend Trails Edge	401 414	866 415	RCP	24 12	24 12	153 194	
26 27 28	Trails Edge Trails Edge	424	869	RCP RCP RCP RCP	15	15	139	
	-							
29	Prilgrims Wy	1079	446	Reinforced Plastic Pipe	15	15	128	
				(Truss Pipe)				
	Tuscany Ridge Ct	593	594	Cast Iron				
30	Tuscany Ridge Ct	593 702	594 703	Cast Iron	12 18	12	69 105	
31 32	Liams Wy	702 703	703 704	RCP RCP	18 24	15 15	213	
33		705			18		224	
34 35	Ballymore Bristol Dr	709 687	1253 1259	RCP RCP	48 12	36 12	184 187	
36	Glenshire Dr	660	1259		24	18	195	
37	Bristol Dr	1256	1255	RCP RCP	12	12	120	
38	Glenshire DR	672	671		15	15	34	
39	Glenshire Dr	674	1262	Concrete	12	12	128	
35	Glensille Di	074	1202	Pipe (non- reinforced)	12	12	120	
40	Classics DD	1262	1258	RCP	15	15	104	
41	Glenshire DR Bristol Dr	1262 1258	1257	DCD.	24	15	194 212	
41 42 43	Dunmore Dr	42	694 1252	RCP RCP	30 42	30	125	
43	Dunmore Dr	695 1261	1252	RCP RCP	42	36	158 54	
45	Glenshire DR Glenshire DR	1260	907	RCP	15 18	15 15	160	
46	Dunmore Dr	690	694	DCD.		30	334	
47	Brooklyn Pl Columbine	714 786	715 791	RCP RCP	15 15	15 15	35 85	
48 49	Casey	792	906	RCP	24	24	106	
50 51	Casey Northtrail	0	796 794	RCP RCP	15 15	15 15	138	
51 52	Northtrail Northtrail	796 794	794 1330	RCP RCP	15 24	15 24	36 104	
53	Northtrail	1329	1330	RCP	12	12	100	
54	Scotts Trail	729	728	RCP	15	12	215	
55 56 57	Scotts Trail Scotts Trail Scotts Trail	727 725 724	726 724 723	RCP RCP RCP	12 12 15	12 12 15	34 53	
57	Scotts Trail	724	724	RCP	15	15		
58 59	Scotts Trail Marks Pl	720 733	721 734	RCP RCP	12 15	12 15	34 82	
59 60		733 734		RCP RCP			82 42	
60 61	Marks Pl	734 736	735	RCP	15	15	42 58	
62	Marks Pl Marks Pl	739	735 740	CI	15 15	15 12	35	
63 64	Miners Miners	774 772	772 770	RCP RCP	15 18	15 18	351 384	
	Miners	772				24		
66 67	Minne	770 768 1325	37 765	RCP RCP	24 12	24	24 46	
67 68	Copper Brooklyn	1325 995	765 59	RCP RCP	12 15	12 15	46 127	
69	Brooklyn	1001	1002	RCP	12	12	34	
69 70	Hazel	984	985	RCP RCP	12 15	15	34 21	
71 72	Hazel	987	991 989	RCP	15 18	15 18	236 34	
72	Hazel Brooklyn	992 1003	989 1004	RCP	18	18	34 69	
73 74	Brooklyn	1010	1006	RCP RCP	12 15	12 15	161	
75 76	Hazel Broadland	981 1016	983 1017	RCP RCP	12 15	12 15	53 34	
76	Broadland	1016	1017	RCP	15	15	34	
				Reinforced				
77	Broadland	1017	1352	Plastic Pipe (Truss Pipe)	15	15	169	
				(Truss Pipe)				
78	Broadland	1018	1019	RCP	12	12	35	
79 80	Dover Broadland	1020 1021	1021 1022	RCP RCP	15 18	15 18	52 268	
81	Broadland Jason Dr Rhonda Way Rhonda Way	1029	1022	Ductile Iron	12	12	53	
81 82	Jason Dr	958	1028 954	RCP	12 18	12 18	53 35	
	Rhonda Way	947		RCP				
84 85	Northtrail	953 802	952 0	RCP RCP	12 12	12	34 92	
86	Northtrail	1393	803				116	
87 88	Northtrail Meadowview	807 809	809 889	RCP RCP	12 12	12 12	42 202	
89	Parkview	891	889	RCP	15	15	322	
89 90	Parkview Meadowview	891 929	1383	RCP RCP	15 18	15 18	322 122	
91 92	Meadowview Highcrest	1383	936 1379	RCP RCP	18 24	18 24	92 144	
93	Serene	1294	1295	RCP	15	15	119	
94	Stillwater	925	1384 1343	DCD.	12	12	120	
95 96	Crestpoint Meadowview	901					195	
96 97		0		RCP	18	12	34	
	Meadowview	0 919	0 918	RCP PVC RCP	18 12 12	18 12 12	195 34 34	
98	Meadowview Meadowview	919 918	0 918 1387	RCP RCP	12 15	12 15	34 140	
98	Meadowview Meadowview Meadowview	919 918	0 918 1387	RCP RCP	12 15	12 15	34 140	
98	Meadowview Meadowview Meadowview Dana Geneva	919 918 922 1088 1407	0 918 1387 921 1289 1033	RCP RCP	12 15 12 30 18	12 15 12 30 18	34 140 35 172 17	
98 99 100 101 102	Meadowview Meadowview Meadowview Dana Geneva Manchester	919 918 922 1088 1407	0 918 1387 921 1289 1033 1409	RCP RCP RCP RCP RCP RCP	12 15 12 30 18 21	12 15 12 30 18	34 140 35 172 17	
98 99 100 101 102 103	Meadowview Meadowview Meadowview Dana Geneva Manchester	919 918 922 1088 1407 1039 1455	0 918 1387 921 1289 1033	RCP RCP RCP RCP RCP RCP	12 15 12 30 18 21	12 15 12 30 18	34 140 35 172 17	
98 99 100 101 102	Meadowview Meadowview Meadowview Dana Geneva	919 918 922 1088 1407	0 918 1387 921 1289 1033 1409	RCP RCP RCP RCP RCP RCP RCP RCP	12 15 12 30 18 21	12 15 12 30 18	34 140 35 172 17	
98 99 100 101 102 103 104	Meadowview Meadowview Meadowview Dana Geneva Meadester Alex Lauraline	919 918 922 1088 1407 1039 1455 1405	0 918 1387 921 1289 1033 1409 1405 1406	RCP RCP RCP RCP RCP RCP RCP RCP	12 15 12 30 18 21 24 30	12 15 12 30 18 21 24 30	34 140 35 172 17 41 235 164	
98 99 100 101 102 103	Meadowview Meadowview Meadowview Dana Geneva Manchester	919 918 922 1088 1407 1039 1455	0 918 1387 921 1289 1033 1409	RCP RCP RCP RCP RCP RCP RCP RCP RCP	12 15 12 30 18 21	12 15 12 30 18	34 140 35 172 17	
98 99 100 101 102 103 104	Meadowview Meadowview Meadowview Dana Geneva Meadester Alex Lauraline	919 918 922 1088 1407 1039 1455 1405	0 918 1387 921 1289 1033 1409 1405 1406	RCP RCP RCP RCP RCP RCP RCP RCP	12 15 12 30 18 21 24 30	12 15 12 30 18 21 24 30	34 140 35 172 17 41 235 164	
98 99 100 101 102 103 104	Meadowview Meadowview Meadowview Dana Geneva Meadester Alex Lauraline	919 918 922 1088 1407 1039 1455 1405	0 918 1387 921 1289 1033 1409 1405 1406	RCP RCP RCP RCP RCP RCP RCP RCP RCP (Truss Pipe)	12 15 12 30 18 21 24 30	12 15 12 30 18 21 24 30	34 140 35 172 17 41 235 164	
98 99 100 101 102 103 104	Meadowview Meadowview Meadowview Dana Geneva Meadester Alex Lauraline	919 918 922 1088 1407 1039 1455 1405	0 918 1387 921 1289 1033 1409 1405 1406	RCP RCP RCP RCP RCP RCP RCP RCP RCP (Truss Pipe)	12 15 12 30 18 21 24 30	12 15 12 30 18 21 24 30	34 140 35 172 17 41 235 164	
98 99 100 101 102 103 104	Meadowview Meadowview Dana Geneview Manchester Alex Lauraline	919 918 922 1088 1407 1039 1455 1405	0 918 1387 921 1289 1033 1409 1405 1406	RCP RCP RCP RCP RCP RCP RCP RCP RCP	12 15 12 30 18 21 24 30	12 15 12 30 18 21 24 30	34 140 35 172 17 41 235 164	
98 99 100 101 101 102 103 104 105 106	Meadowview Meadowview Meadowview Dana Geneva Manchester Alex Lauraline Carrington Ct Granite St	919 918 922 1088 1407 1039 1455 1405	0 918 1387 921 1289 1033 1409 1405 1406	RCP RCP RCP RCP RCP RCP RCP RCP RCP RCP	12 15 12 30 18 21 24 30	12 15 12 30 18 21 24 30	34 140 35 172 17 41 235 164	
98 99 100 101 101 102 103 103 105 106 107 109 107 109 109 109 109 109 109 109 109 109 109	Meadowwiew Meadowwiew Meadowwiew Dana Geneva Manchester Alex Luuraline Carrington Ct Granite St Geneva Geneva	919 918 922 1088 1407 1039 1455 1405 275	0 918 1387 921 1289 1033 1409 1405 1406 1246	RCP	12 15 12 30 18 21 24 30	12 15 12 30 18 21 24 30 12	34 140 35 172 17 41 235 164 161	
98 99 100 101 101 102 103 103 105 106 107 109 107 109 109 109 109 109 109 109 109 109 109	Meadowiew Meadowiew Meadowiew Meadowiew Dana Genera Manchester Alex Lauraline Carrington Ct. Granite St. Geneva Geneva Geneva Geneva Geneva Geneva Meadowiew Geneva Geneva Meathall Meadowiew Geneva Meathall Meadowiew Geneva Me	919 918 922 1088 1407 1435 1405 275 275 1245	0 918 1387 921 1289 1033 1409 1405 1406 1246 840	RCP	12 15 12 30 18 21 24 30 12 30	12 15 12 30 18 21 24 30 12	34 140 35 172 17 41 235 164 161	
98 99 91 100 101 102 102 103 104 105 106 107	Meadowwiew Meadowwiew Meadowwiew Dana Geneva Manchester Alex Luuraline Carrington Ct Granite St Geneva Geneva	919 918 922 1088 1407 1039 1455 1405 275	0 918 1387 921 1289 1033 1409 1405 1406 1246	RCP	12 15 12 30 18 21 24 30	12 15 12 30 18 21 24 30 12	34 140 35 172 17 41 235 164 161	
98 99 100 101 101 102 103 103 105 106 107 109 107 109 109 109 109 109 109 109 109 109 109	Meadowielew Meadowielew Meadowielew Cana Manchester Alex Lauraline Carrington Ct Granite St Geneva Geneva Geneva Stone Creek Ct	919 918 922 1088 1407 1039 1455 1405 275 1245 1061 1060 1394 135	0 918 1387 921 1289 1033 1405 1406 1246 840 1060 1145 1395 828	RCP	12 15 12 30 18 21 24 30 12 12 30	12 15 12 30 18 21 24 30 12 30	34 140 35 172 17 41 235 164 161 101 34 223 79 39 13,467	
98 99 100 101 102 103 104 105 106 107 108 109 110	Meadowiew Meadowiew Meadowiew Meadowiew Dana Genera Manchester Alex Lauraline Carrington Ct. Granite St. Geneva Geneva Geneva Geneva Geneva Geneva Meadowiew Geneva Geneva Meathall Meadowiew Geneva Meathall Meadowiew Geneva Me	919 918 922 1088 1407 1435 1405 275 275 1245	0 918 1387 921 1289 1033 1409 1405 1406 1246 840	RCP	12 15 12 30 18 21 24 30 12 30	12 15 12 30 18 21 24 30 12	34 140 35 172 17 41 235 164 161 101 34 223 79 39	
98 99 100 101 101 102 103 104 105 106 107 108 109 Pipe Info (Grade 1)	Meadowielew Meadowielew Meadowielew Cara Cara Manchester Alex Lauraline Carrington Ct Granite St Geneva Geneva Geneva Stone Greek Ct Street	919 918 922 1088 1407 1039 1455 1405 275 1245 1061 1060 1394 135	0 918 1387 921 1289 1033 1405 1406 1246 840 1060 1145 1395 828	RCP	12 15 12 30 18 21 24 30 12 12 30 12 Height	12 15 30 18 21 24 30 12 24 30 12 15 36 18 Width	34 140 35 172 17 41 235 164 161 101 34 223 79 39 13,467 Length (FT)	
98 99 100 101 102 103 104 105 106 107 108 109 110	Meadowielew Meadowielew Meadowielew Cana Manchester Alex Lauraline Carrington Ct Granite St Geneva Geneva Geneva Stone Creek Ct	919 918 922 1088 1407 1039 1455 1405 275 1245 1061 1060 1394 135	0 918 1387 921 1289 1033 1405 1406 1246 840 1060 1145 1395 828	RCP	12 15 12 30 18 21 24 30 12 12 30	12 15 12 30 18 21 24 30 12 30	34 140 35 172 17 41 235 164 161 101 34 223 79 39 13,467	
98 99 90 100 101 101 102 103 104 105 106 107 108 109 Pipe Info (Grade 1) 1	Meadowielew Meadowielew Meadowielew Cana Cana Manchester Alex Lauraline Carrington Ct Granite St Geneva Geneva Geneva Stone Greek Ct Street Granite St	919 918 921 1088 1407 1099 1405 1405 1405 1405 1405 1405 1406 1106 1106 1106 1106 1106 1106 1106	0 918 1387 921 1289 1033 1409 1405 1406 1246 840 U060 1145 1395 828 USManhole 837	RCP	12 15 30 18 21 24 30 12 24 30 12 15 36 18 Height 24	12 15 30 18 21 24 30 12 12 30 12 15 36 18	34 140 35 172 17 41 235 164 161 101 34 223 79 39 13,467 Length (FT)	
98 99 99 100 101 101 102 103 104 105 105 106 107 108 109 110 110 109 110 110 110 110 110 110	Meadowielew Meadowielew Meadowielew Meadowielew Meadowielew Generya Manchester Alex Lauraline Carrington Ct Granite St Generya Northtrail Stone Creek Ct Granite St Street Granite St	919 918 921 1082 1082 1082 1082 1082 1082 1085 1285 1285 1285 1081 1080 1189 1189 1189 1189 1189 1189	0 918 1387 921 1289 1033 1409 1405 1406 1246 840 1060 1145 1395 828 DSManhole 837	RCP	12 15 30 18 21 24 30 12 12 15 36 18 Height 24	12 15 12 30 18 21 24 30 12 15 36 18 Width	34 140 35 172 17 41 235 164 161 101 34 223 79 39 13,467 Length (FT) 231 263 149	
98 99 99 100 101 101 102 103 104 105 105 106 107 108 109 110 110 109 110 110 110 110 110 110	Meadowielew Meadowielew Meadowielew Meadowielew Meadowielew Generya Manchester Alex Lauraline Carrington Ct Granite St Generya Northtrail Stonec Creek Ct Storect Granite St Street Storect Storec	919 918 921 1082 1083 1083 1083 1083 1185 1295 1295 1245 1261 1362 1363 1373 1373 1373 1373 1373 1373 1373	0 918 1387 921 1289 1033 1405 1406 1246 840 1060 1145 1395 828 DSManhole 837 216 294 345	RCP	12 15 30 18 21 24 30 12 12 30 12 15 36 18 Height 24 24 12 24	12 15 12 30 18 21 24 30 12 15 36 18 Width 24	34 140 35 172 17 17 141 415 164 161 101 34 223 79 39 11,467 Leouth (FT) 231 263 149 181	
98 99 99 100 101 101 102 103 104 105 105 106 107 108 109 110 110 109 110 110 110 110 110 110	Meadowielew Meadowielew Meadowielew Meadowielew Genera Manchester Alex Lauraline Carrington Ct Granite St Genera Genera Northrail Street Granite St Street Granite St Street Granite St	919 918 928 108 918 108 108 1108 1108 1108 1109 1145 1405 275 1245 1061 1060 1194 135 UpstreamMH 838 217 289 341	0 918 1387 921 1289 1033 1409 1405 1406 1246 840 1060 1145 1395 828 DSManhole 837 216 294 345 320	RCP	12 15 30 18 21 24 30 12 15 36 18 Height 24 12 24 12 24 12 18	12 15 12 30 18 21 24 30 12 15 36 18 Width 24 12 24 12 18	34 140 35 172 17 41 235 164 161 101 34 223 79 39 13,467 231 261 261 261 261 169 161	
98 99 99 1300 1301 1302 1302 1302 1303 1303 1304 1305 1306 1307 1307 1307 1308 1309 1309 1309 1309 1309 1309 1309 1309	Meadowielew Meadowielew Meadowielew Meadowielew Genera Manchester Alex Lauraline Carrington Ct Granite St Genera Genera Northrail Street Granite St Street Granite St Street Granite St	919 918 928 108 918 108 108 1108 1108 1108 1109 1145 1405 275 1245 1061 1060 1194 135 UpstreamMH 838 217 289 341	0 918 1387 921 1289 1033 1409 1405 1406 1246 840 1060 1145 1395 828 DSManhole 837 216 294 345 320	RCP	12 15 30 18 21 24 30 12 15 36 18 Height 24 12 24 12 24 12 18	12 15 12 30 18 21 24 30 12 15 36 18 Width 24 12 24 12 18	34 140 35 172 17 41 235 164 161 101 34 223 79 39 13,467 231 261 261 261 261 169 161	
98 99 99 1300 1301 1302 1302 1302 1303 1303 1304 1305 1306 1307 1307 1307 1308 1309 1309 1309 1309 1309 1309 1309 1309	Meadowiere Meadowiere Meadowiere Meadowiere Meadowiere Meadowiere Gemena Manchester Asex Lauraline Carrington Ct. Grante St. Grante St. Genera Genera Genera Genera Store Greek Ct. Street Trails Edge Hervest Ct. Trails Edge Hervest Ct. Trails Edge Hervest Ct. Trails Edge Hervest Ct. Trails Edge Pleased.	919 918 918 918 918 918 928 928 928 928 1405 1405 1275 1245 1061 1060 1196 1181 1181 UpstreamMet 838 917 229 341 391 444 669	0 918 1387 921 1289 1033 1409 1405 1406 1246 840 1060 1145 1395 828 DSManhole 837 216 294 345 349 869 747 697 747 697	RCP	12 15 12 30 18 21 24 30 12 15 36 18 Height 24 12 18 15 24 18 15 24 18	12 15 12 30 18 21 24 30 12 12 15 36 18 Width 24 12 12 18 15 18 18 18 19 19 19 19 19 19 19 19 19 19 19 19 19	34 140 35 177 177 177 125 164 161 101 34 223 79 39 13,467 231 263 149 181 179 139 139 129 129	
98 99 99 1300 1301 1302 1302 1302 1303 1303 1304 1305 1306 1307 1307 1307 1308 1309 1309 1309 1309 1309 1309 1309 1309	Meadowielew Meadowielew Meadowielew Meadowielew Meadowielew Meadowielew Manchester Alex Lauraline Carrington Ct Granite St Geneva Northtrail Stone Creek Ct Stonethenge Ct Trails Edge Harvest Ct Trails Edge Harvest Ct Lauraline	919 918 928 928 928 1407 1039 1455 1405 1405 1405 1405 1060 1394 135 1060 1394 1394 1391 289 341 341 341 341 341 341	0 918 1387 921 1289 1033 1409 1405 1406 1246 294 295 295 295 295 295 295 295 295 295 295	RCP	12 15 12 30 18 21 24 30 12 15 36 18 Height 24 12 24 12 12 14 12 14 15 15 16 18 18 18 18 18 18 18 18 18 18 18 18 18	12 15 12 30 18 21 24 30 12 12 15 36 18 Width 24 12 12 18 15 18 18 18 19 19 19 19 19 19 19 19 19 19 19 19 19	34 140 35 172 177 17 17 18 161 161 161 101 101 203 34 223 79 39 13,467 231 263 149 131 119 119 119 129 129 129 139 139 139 139 139 139 139 139 139 13	
98 99 99 1300 1301 1302 1302 1302 1303 1303 1304 1305 1306 1307 1307 1307 1308 1309 1309 1309 1309 1309 1309 1309 1309	Meadowielew Meadowielew Meadowielew Meadowielew Meadowielew Geneea Manchester Alex Lauraline Carrington Ct Granite St Geneva Geneva Northrait Street Granite St Street Granite St Trails Edge Playden Dr Trails Edge	919 918 928 928 928 1003 1009 1100 1100 1275 1275 1245 1061 1060 1384 138 217 288 227 288 227 288 247 266 669 729	0 918 918 918 918 918 918 918 921 921 921 921 921 921 922 922 922 922	RCP	12 12 30 18 21 24 30 12 12 15 36 18 Height 24 12 24 12 24 12 18 15 15 15 15 15 16 18 18 18 18 18 18 18 18 18 18 18 18 18	12 12 30 18 21 24 30 12 12 30 12 12 15 36 18 Width 24 12 24 12 12 15 15 15 15 15 16 18 18 18 18 18 18 18 18 18 18 18 18 18	34 140 35 177 177 141 215 164 161 101 101 223 79 39 13,467 231 263 149 181 179 139 104 241 179 139 104 241 241 241 241 241 241 241 241 241 24	
98 99 99 100 101 101 102 103 104 105 105 106 107 108 109 110 110 109 110 110 110 110 110 110	Meadowielew Meadowielew Meadowielew Meadowielew Meadowielew Meadowielew Manchester Alex Lauraline Carrington Ct Granite St Geneva Northtrail Stone Creek Ct Stonethenge Ct Trails Edge Harvest Ct Trails Edge Harvest Ct Lauraline	919 918 928 928 928 1407 1039 1455 1405 1405 1405 1405 1060 1394 135 1060 1394 1394 1391 289 341 341 341 341 341 341	0 918 1387 921 1289 1033 1409 1405 1406 1246 294 295 295 295 295 295 295 295 295 295 295	RCP	12 15 12 30 18 21 24 30 12 15 36 18 Height 24 12 24 12 12 14 12 14 15 15 16 18 18 18 18 18 18 18 18 18 18 18 18 18	12 15 12 30 18 21 24 30 12 12 15 36 18 Width 24 12 12 18 15 18 18 18 19 19 19 19 19 19 19 19 19 19 19 19 19	34 140 35 172 177 17 17 18 161 161 161 101 101 203 34 223 79 39 13,467 231 263 149 131 119 119 119 129 129 129 139 139 139 139 139 139 139 139 139 13	
98 99 90 1300 1301 1302 1302 1303 1004 1105 1106 1106 1107 107 107 108 1109 1109 1109 1109 1109 1109 1109	Meadowielew Meadowielew Meadowielew Meadowielew Dearw Manchester Alex Lauraline Carrington Ct Granite St Geneva	919 918 928 928 928 1407 1409 1405 1405 1405 1405 1405 1405 1405 1405	0 918 918 918 918 918 918 918 921 921 921 921 921 921 922 922 922 922	RCP	12 12 30 18 21 24 30 12 12 15 36 18 Height 24 12 24 12 24 12 18 15 15 15 15 15 16 18 18 18 18 18 18 18 18 18 18 18 18 18	12 12 30 18 21 24 30 12 12 30 12 12 15 36 18 Width 24 12 24 12 12 15 15 15 15 15 16 18 18 18 18 18 18 18 18 18 18 18 18 18	34 140 35 177 177 141 215 164 161 101 101 223 79 39 13,467 231 263 149 181 179 139 104 241 179 139 104 241 241 241 241 241 241 241 241 241 24	

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2021 Dry Weather Screening- Outfalls in need of maintenance

The year listed is the year the repairs were identified

Total 140 Avg cost of outfall repairs: \$ 30,000

\$4,200,000

	Year	Outfall #		Year	Outfall #		Year	Outfall #		Year	Outfall #		Year	Outfall #		Year	Outfall #
1	2012	56	1	2013	1277	1	2014	3100	1	2015	1610	1	2016	2102	1	2020	8932
2	2012	70	2	2013	1279	2	2014	3296	2	2015	1689	2	2015	2106	2	2020	8938
3	2012	77	3	2013	1501	3	2014	3298	3	2015	1692	3	2015	35	3	2020	8945
4	2012	78	4	2013	1505	4	2014	3411	4	2015	1693	4	2015	43	4	2020	8952
5	2012	811	5	2013	1514	5	2014	3414	5	2015	3900	5	2015	2107	5	2020	8958
6	2012	614	6	2013	1541	6	2014	3893	6	2015	4778	6	2015	21	6	2020	8973
7	2012	815	7	2013	1576	7	2014	4303	7	2015	4802	7	2015	202	7	2020	9015
8	2012	827	8	2013	1589		2014	4313		2015	4818		2015	204	8	2020	9017
9	2012	851	9	2013	1597	9	2014	4657	9	2015	5017	9	2015	54	9	2020	9020
			10	2013	1601	10	2014	4816	10	2015	5135		2015	188	10	2020	9029
			11	2013	1604				11	2015	5268	11	2015	2131	11	2020	9060
			12	2013	1605				12	2015	5291	12	2015	2130	12	2020	9065
			13	2013	1618					2015	5330		2015	60	13	2020	9085
			14	2013	1621				14	2015	5333	14	2015	57-2	14	2020	9141
			15	2013	1624					2015	5388		2015	56-2	15	2020	9148
			16	2013	1629				16	2015	5389	16	2015	4816	16	2020	9185
			17	2013	1649					2015	5543	17	2015	57	17	2020	9198
			18	2013	1650					2015	5788				18	2020	9212
			19	2013	1651					2016	5810				19	2020	9214
			20	2013	1652					2017	7340				20	2020	9215
			21	2013	1653					2018	7344				21	2020	9216
			22	2013	1685					2019	7428				22	2020	9217
			23	2013	1728					2020	7440				23	2020	9218
			24	2013	1734					2021	7638				24	2020	9254
			25	2013	1736					2022	7857				25	2020	9261
			26	2013	1737					2023	7860				26	2020	9267
			27	2013	1740				27	2024	7861				27	2020	9327
			28	2013	1757										28	2020	9330
			29	2013	1760										29	2020	9577
			30	2013	1822										30	2020	9578
			31	2013	1890										31	2020	9627
			32	2013	2313										32	2020	9628
			33	2013	2545										33	2020	9727
			34	2013	2547										34	2020	9772
			35	2013	2549										35	2020	9793
			36	2013	2551										36	2020	9826
			37	2013	2846										37	2020	9876
			38	2013	3041										38	2020	9938
			39	2013	3166												

2021 SWU	Engineering	Needed
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nage Study		Total County Total Cost	\$ 1,200,000.00					Dellacet
		Location	Council District	Issue	Notes	Date added	Priority	Ballpark budget
	1	University & Lakes	3	reoccurring flooding in low lying area. 9/27/19 storm the westaire culvert was blocked by large debris	homes flooded 9/27/19	1/6/2020	high	\$ 500,000
		Sheridan- Knoxville						
	2	from Northmoor-	3	reoccurring flooding in low lying area near Sheridan Rd @ bicycle safety town		10/4/2019	high	
		Sheridan/Knoxville						ć 50.00
	3	intersection	3	saccerusing flooding in Janubrian area	hama flandad 0/27/10	10/4/2019	la la la	\$ 50,00
	4	614 W Cody Ct 4529 N North St	3	reoccurring flooding in low lying area reoccurring flooding in low lying area	home flooded 9/27/19 home flooded 9/27/19	10/4/2019	high high	\$ 25,00
	4	4529 N NOITH ST	3	reoccurring flooding in low lying area reoccurring flooding in low lying area, look at re-establishing the ditch along the road,	nome nooded 9/27/19	10///2019	nign	\$ 25,00
	5	1105 East Koch Ave	3	property owner looking at PPDA	home flooded 9/27/19	10/7/2019	high	\$ 25,00
	6	1614 E Lake Ave	3	structural design for high wall needed	issue prior to 9/27/19 storm	10/7/2019	high	\$ 20,00
	7	University & Jeth Ct	4	culvert plugs with debris causing university to flood	issue prior to 9/27/19 storiii	10/7/2019	high	\$ 20,00
	8	400 W Morningside	5	in floodplain- creek is narrow and eroding towards the road, asphalt and other walls prev	iously placed	10/7/2019	medium	
			3	in noodplain- creek is narrow and eroding towards the road, asphalt and other wails prev				
	9 10	6811 N Galena Rd 4224 N University	3		home flooded 9/27/19	10/7/2019	high high	\$ 25,0
		,		locks like smaller size should in history size compathing locks off also in the floodulein	home flooded 9/27/19	10/7/2019		\$ 25,0
	11	1410 w westaire ave	4	looks like smaller pipe shoved in bigger pipe, something looks off also in the floodplain		10/28/2019	high	\$ 20,00
	12	4529 N North St	3	floods in yard- many pipes come to the area to be investigated		10/29/2019		\$ 20,0
	13	803 W North Ln	5	standing water in the ditches in the front yards- no dwy culverts		11/4/2019	medium	\$ 20,00
	14	11018 N Buckskin Ct	5	swale filled in at this yard, culvert buried, and end of cul de sac	since the swale was filled in three houses get water	11/12/2019	medium	\$ 20,00
	15	5727 N Sheridan Rd	3	wants culvert under fairmont at Sheridan	water drains over his yard and	11/15/2019	medium	
					driveway to fairmont			\$ 25,00
	16	2016 N Ellis St	2	erosion in dry run creek		1/20/2020	medium	\$ 20,00
	17	Ravinswood & Townsend	5	pipe close to the edge of the road. Do we need to extend the pipe/protect the road	Reported by Councilman Cyr	4/24/2020	medium	\$ 15,00
	18	6011 Eaglecreek Dr	5	backyard flooding See SR60993, PC31112 This sewer drain in the backyard of this house is alway house flooded twice in 8 months! Literally flash flood videos through 4 yards that we can see. S structure upstream from this location to more quickly get run off into the storm sewer system.		5/28/2020	high	\$ 20,0
	19	122 W Morningside	5	Ditch along side and behind the houses that drains possibly to a detention basin west of park edge ct.	Operations cleaned out the culvert 6/5/20 Need to research plans to see who is responsible for the ditches and get them cleaned	6/5/2020	medium	\$ 15,0
	20	1123 NE Glen Oak	3	water from the road gets into the apartment complex and floods	out. not sure what it floods parking	7/23/2020	medium	
	21	2714 W Glen Ave	4	Road floods when it rains	lot?	7/24/2020		7 15,0
	21	2/14 W Gien Ave	4	Road floods when it rains		//24/2020	meaium	\$ 20,0
	22	Knolls subdivision through Richwood- 402-422 Westwood, 405 Richwoods	3	Flooding and basement back ups on 402-422 Westwood, flooding on 405 W Richwoods	Flooded 7/15/20 concrete lined channel (Florence/Merle/ Richmond) downstream of this area. adding modeling as part of concrete lined channel project	7/24/2020	high	\$ 25,00
		Wardcliffe lake			the neighborhood would like			5,0
	23	(behind 2707	4	trash and debris gets into the lake from Sterling	the private late to be dredged	7/31/2020	low	
		Rockwood Dr)		, , , , , , , , , , , , , , , , , , ,	by the city			\$ 15,0
	24	5703 Woodlawn Ct	3	check the capacity of the roadway culverts	flooding in the ROW	8/21/2020	medium	
	25	6223 W Diversey Ct & 6310 W Clairemont Ct	5	There is a 42" storm sewer that drains to an open channel for 50 ft then connects to a 24" pipe. Adjacent owners want to connect pipes	Who owns the 24" pipe? Is it size properly? Can the system be	9/1/2020	low	+/-
		0310 W Clairemont Ct		Adjustit offices from the comment pipes	closed?			\$ 15,00
	26	7700 N Derby Rd (Derby & Orchard)	3	erosion in creek is causing road issues, water from Orchard drains across Derby and is eroding the channel	v gutter across the road or add storm sewer	10/1/2020	high	\$ 20,0
	27	1105 W Virginia	2	flooding, property damage- flood plain (special flood hazard area/500 yr floodplain) on	damage in July 2020 storm, filed	10/23/2020	high	
	2,	1105 W Viiginia	-	property. She thinks creek has engineering defects	claim but was denied	10/25/2020	g.i	\$ 50,00
projects		Location	Council District	Issue	Notes	Date added	Priority	Ballpark budget
	1	Spring In	5	ditches flood and don't drain			high	\$ 30,00
	2	3430 Grimson	4	ditches filled in over time		10/28/2019	6	\$ 30,00
	-	Richwoods and Albany -	-	and the same of th	Operations was going to do it in	, -0, -013		2 33,0
	3	Sterling to Stanley; Stanley- Richwoods to	2	poor drainage, ditches don't drain well	2020 but didn't have time. Moved it moved to ARC. Councilman	7/29/2020		
		Albany			involved			\$ 50,0

2021 Backlog Stormwater Utility Summary

_	#	Cost
CIP list	6	\$ 8,800,000
ARC list	48	\$ 2,010,000
Repairs from Televising list	299	\$ 4,459,000
Outfall repair list	140	\$ 4,200,000
Operations list 2019	80	\$ 145,000
Inlet repairs list 2019	135	\$ 695,000
Ditch Cleaning list 2019	40	\$ 345,000
Engineering Study	30	\$ 1,200,000
Total	748	\$ 21,854,000