

FISCAL YEAR 2018/2019

**MARION COUNTY
STORMWATER MAINTENANCE STRATEGIC PLAN**



MARION COUNTY BOARD OF COUNTY COMMISSIONERS

SWMSP 2018/2019

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Figures

Stormwater Maintenance Strategic Plan

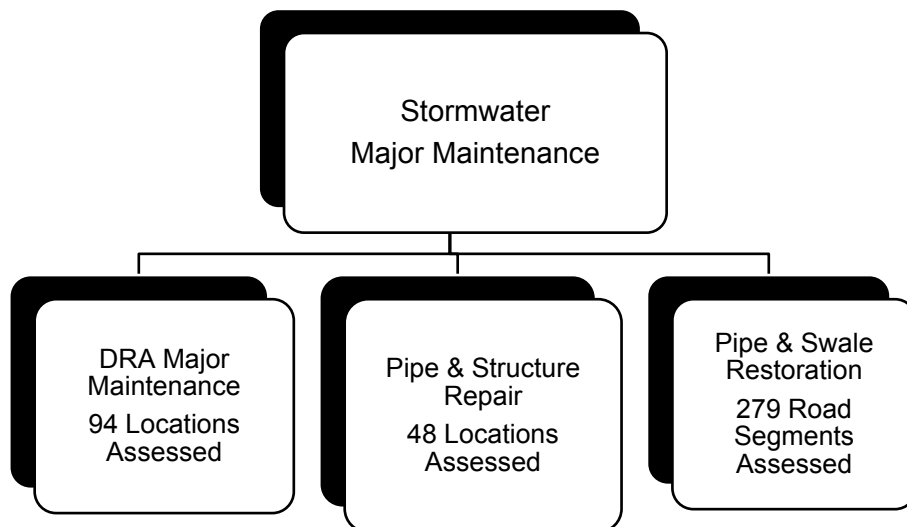
1.0 Purpose

The purpose of the Stormwater Maintenance Strategic Plan (SWMSP) is to identify and prioritize maintenance needs of Marion County’s stormwater infrastructure. Approximately \$1.65M of the annual stormwater assessment is used for routine and non-routine maintenance of the stormwater management system associated with the County’s 3141 centerline miles of roads which includes 2,455 drainage retention areas (DRAs), and 20,670 drainage structures.

Routine maintenance includes DRA mowing and street sweeping. This contracted work is approximately \$665K annually.

Major maintenance of DRAs is considered non-routine and typically involves sinkhole repair, pipe and structure repair, and major vegetation removal. Pipe and swale restoration projects involve routine work such as cleaning out pipes and non-routine repairs such as pipe extensions, addition of end treatments, erosion repair, and reestablishment of swales. Major maintenance and pipe and swale restoration and rehabilitation work is identified through routine inspections including annual inspections of all county-maintained DRAs and planned inspections of specific areas and roadway corridors. This work accounts for approximately \$1M annually. Smaller sinkhole repairs and, on occasion, large sinkhole repairs are often handled internally by the Road Section’s Drainage Crew.

The Stormwater Section under the Office of the County Engineer (OCE) has identified 94 major maintenance locations, 48 pipe and structure locations, and 279 pipe and swale restoration locations. Each location was scored and prioritized accordingly.



The Stormwater Program’s goal is to complete all major maintenance and pipe and structure work within the county-maintained DRAs within two (2) years, leaving subsequent work efforts limited to routine maintenance except in the case of sinkhole formation or vandalism.

Pipe and swale restoration and rehabilitation projects have commenced county-wide starting with the highest trafficked roads. The cost averages \$6,754 per mile. Based on the remaining miles of roads to assess and corrective actions to complete (see **Table 1-1** below), Stormwater staff estimate approximately \$17.9M in repairs and rehabilitation remain. The current budget allocates

\$600K each year for this effort, which accounts for one third of the annual allotted maintenance budget. At this rate, it will take 30 years to address the entire infrastructure throughout the county. This assumes that all roads will require similar maintenance as completed in projects to date and does not include installation costs for non-existent stormwater facilities for older communities. The Maintenance Strategic Plan will prioritize this effort.

Table 1-1 Pipe and Swale Restoration Projects Summary by Road Type: Work Completed vs Remaining Work				
Road Type	Road Length (segment miles)	Completed (segment miles)	Remaining (segment miles)	% Complete
Arterial	103	103	0	100%
Collector	538	359	179	68%
Major Local	385	15	370	4%
Minor Local	297	0	297	0%
Subdivision Local	1818	7	1,811	0.4%
Totals	3,141	484	2,657	15%

While the SWMSP uses a point system to score and initially rank the projects, other factors are considered when selecting projects to move forward for implementation. These factors include sinkhole activity, drainage basin size and previous response history as identified in Cartegraph service requests and work orders. In addition, projects are rotated throughout the county on a quadrant basis so that all areas benefit from maintenance work.

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2.0 Fiscal Year 17/18 Projects

Below is a list of the projects completed in FY 17/18. Several major maintenance and pipe and swale restoration projects have been completed in the last 13 years. See **Table A-1** in **Appendix A** for a detailed list.

Table 2-1 Contracted Maintenance Work Completed in Fiscal Year 17/18	
Projects (in order of completion)	Project Cost
SW Corner of HWY 314A and E HWY 40 Pipe & MES	\$ 11,490.00
Pipe and Swale Restoration NW HWY 225A - MP 22	\$ 88,774.00
Major Maintenance DRA 3556 Significant Erosion Repair	\$ 105,354.00
Major Maintenance DRA 3069 Significant Erosion Repair	\$ 13,787.20
NW 90th Avenue Pipe and Erosion Repair	\$ 45,205.50
Major Maintenance DRAs - 2200, 2981 & 3464 - MP 9	\$ 138,014.40
Major Maintenance DRA 3249 Significant Erosion Repair	\$ 35,716.00
Major Maintenance DRA 3690 Significant Erosion Repair	\$ 78,038.60
Major Maintenance DRA 7083 Erosion Repair	\$ 5,925.00
Major Maintenance DRA 1116 Significant Erosion Repair	\$ 66,109.00
Pipe and Swale Restoration NW 70th Ave Rd/NW 80th Ave - MP 23	\$ 32,790.00
NW 44th Avenue Inlet Sedimentation Removal	\$ 16,675.00
Major Maintenance DRA 7545 Sinkhole Repair	\$ 12,223.00
Total	\$ 650,101.70

As pipe and swale restoration projects are completed, the roads are placed in an inspection rotation to ensure that future work is identified proactively rather than reactively.

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3.0 Projects Evaluated and Prioritized

3.1 Maintenance Projects Identification and Prioritization Overview

The maintenance projects evaluated in this report were scored based on a points system to prioritize the projects. Due to the difference between project types, three scoring groups were utilized; one for major maintenance, one for pipe and structure repair, and one for pipe and swale restoration. List of the projects scored are shown in **Tables A-2, A-3, and A-4** in **Appendix A**.

3.2 Major Maintenance of DRAs: Prioritization Process and Scoring

The priority scoring for major maintenance was based on eight categories:

- 1) Sinkhole Activity
- 2) Aquifer Vulnerability based on the Marion County Aquifer Vulnerability Assessment (MCAVA) study
- 3) Fence Condition
- 4) Fence Vegetation Coverage
- 5) Vegetation Overgrowth DRA-Wide (Constructed Portion)
- 6) Vegetation Overgrowth Parcel-Wide (Unconstructed Portion)
- 7) Erosion
- 8) Pipe & Structure Maintenance

Table A-2 in **Appendix A** identifies the scoring and ranking for each category.

3.2.1 Sinkhole Activity

Sinkhole activity in a DRA is key in assessing the maintenance priority. Sinkholes pose a safety issue and can provide a direct conduit of untreated stormwater into the Floridan Aquifer. The following point system prioritizes the loading due to the type of sinkhole activity exhibited.

Table 3-1 Scoring System Used for the Sinkhole Activity

Sinkhole Activity	Points Allotted
Active Sinkhole with Visible Chimney	20
Active Sinkhole without Visible Chimney	15
Depression with Soft Area	10
Depression with Firm Area	5

As previously mentioned, while the SWMSP uses a point system to score and initially rank the projects, other factors are considered when selecting projects to move forward for implementation. Sinkhole activity is a key factor.

3.2.2 Aquifer Vulnerability and Springs Protection

The MCAVA project was conducted to characterize the natural vulnerability of the Floridan Aquifer System. Aquifer vulnerability is classified based on relative vulnerability (one area is more vulnerable than another). Aquifer vulnerability was established using the evidential themes of intermediate confining unit thickness, effective karst features, and soil hydraulic conductivity. This criteria is used to help prioritize DRAs with sinkholes and depressions, so a score is only included in those cases. The point allocation in **Table 3-2** was assigned based on the vulnerability.

Table 3-2 Scoring System Used to Assess Aquifer Vulnerability

Vulnerability Assessment	Points Allotted
Most Vulnerable	6
More Vulnerable	4
Vulnerable	2
Less Vulnerable	0

3.2.3 Fence and Vegetation Coverage Condition

For DRAs that were fenced, fence components (posts, chain link, gates, etc.) were assessed for the amount of work needed, as well as, the fence line evaluated for vegetative growth, including growth of invasive and exotic vegetation. Points were allocated based on the amount of work linearly to be performed. For example, if the fence or vegetation coverage of the fence were rated “Poor”, the evaluation concluded that work was necessary for at least 66% of its linear length (with respect to its perimeter or entire length). The point allocation in **Table 3-3** was assigned based on fence condition.

Table 3-3 Scoring System Used to Assess Fence and Vegetation Coverage Condition

Rating of Fence and Vegetation Coverage Condition	Points Allotted
Poor 66-100%	10
Fair 33-66%	8
Good 0-33%	4
No Issue and/or No Fence	0

3.2.4 Vegetation Overgrowth DRA-Wide (Constructed Portion)

Prior to 2004, many DRAs were only mowed one time per year. As a result, these DRAs eventually became overgrown preventing routine maintenance from occurring and limiting access for thorough inspections to occur. Points were allocated based on the amount of area within the DRA determined to be mowable. For example, if the vegetation DRA-wide were rated “Poor”, the evaluation concluded that the DRA was not mowable for at least 50% of its area. The point allocation in **Table 3-4** was assigned based on overgrown vegetation across the DRA.

Table 3-4 Scoring System Used to Assess Vegetation Overgrowth DRA-Wide (Constructed Portion)

% of DRA Mowable	Points Allotted
Poor (Not Mowable) 50-100%	10
Fair (Partially Mowable) 11-49%	8
Good (Partially Mowable) 1-10%	6
Minor Clearing (Bush Hog)	4
None (Mowable) 0%	0

Note that this score assesses the vegetation DRA-wide for the “constructed portion”. There are a few DRAs that are only constructed on a portion of the parcel. Where this occurs, an additional category is scored called the Vegetation Parcel-Wide (Unconstructed Portion).

3.2.5 Vegetation Overgrowth Parcel-Wide (Unconstructed Portion)

When a DRA is unconstructed over a significant portion of the parcel, a separate category is scored to assess the unconstructed portion. The scoring is weighted relative to the constructed versus unconstructed areas. Once the vegetative coverage rating is established for each portion, they are multiplied by their respective percentages of the parcel's area. The point allocation in **Table 3-5** was assigned based on overgrown vegetation across the unconstructed portion of the DRA parcel.

Table 3-5 Scoring System Used to Assess Vegetation Overgrowth Parcel-Wide (Unconstructed Portion)

% of DRA Mowable	Points Allotted
Poor (Not Mowable) 50-100%	10
Fair (Partially Mowable) 11-49%	8
Good (Partially Mowable) 1-10%	6
Minor Clearing (Bush Hog)	4
None (Mowable) 0%	0

3.2.6 Erosion

Where erosion issues have been identified in the DRAs, it is rated as major or minor. Major erosion repair typically involves significant erosion around a structure or area where channelized flow has been created. Minor repair usually involves rutting associated with vehicular traffic. The point allocation for erosion are shown in **Table 3-6**.

Table 3-6 Scoring System Used to Assess Erosion

Erosion	Points Allotted
Major	15
Minor	5

3.2.7 Pipe and Structure Maintenance

When damage to pipes and structures has been identified in the DRAs, they are assessed for functionality. The score is reflective of all pipes discharging into the DRA, so if one pipe or structure is not functional, the score would reflect the maximum points allotted. The point allocation for pipe and structure maintenance is included in **Table 3-7**.

Table 3-7 Scoring System Used to Assess Pipe and Structure Maintenance

Functionality	Points Allotted
Non-Functional	20
Functional w/Damage	5

3.3 Pipe and Structure Repair: Prioritization Process and Scoring

Projects included under this category only involve damage to pipes and/or structures in or immediately near a DRA. There are no other maintenance issues to be addressed during these types of repairs. They have typically been grouped together for quote with compact construction timelines. This allows for continual ongoing contract work with short turnarounds, and, if a high priority issue is identified, it can be easily inserted into a contract process and addressed quickly. The priority scoring for pipe and structure repair projects are based on two categories:

- 1) Functionality of pipes/structures

- 2) Number of damaged pipes/structures

Table A-3 in **Appendix A** identifies the scoring and ranking for each location.

3.3.1 Pipe and Structure Functionality Assessment

A non-functional pipe can significantly impact adjacent roadways and properties; therefore, functionality is a key factor for the scoring for these projects. Sometimes, a safety issue exists that will also be addressed such as a drop-off or jagged edge on a culvert pipe cut up by mowing activities. The point system used to prioritize functionality is shown in **Table 3-8**.

Table 3-8 Scoring System for Functionality Assessment

Functionality	Points Allotted
Non-Functional with Safety Issue	20
Non-Functional without Safety Issue	15
Functional with Damage and Safety Issue	10
Functional with Damage	5

3.3.2 Impacted Pipes/Structures in DRA

The number of pipes or structures impacted at a single location can also impact the area’s ability to convey or store stormwater runoff properly. The point system used to prioritize impacted pipes and structures is shown in **Table 3-9**.

Table 3-9 Scoring System for Impacted Pipes/Structures in DRA

Number of Pipes/Structures Impacted	Points Allotted
5 or more Pipes/Structures	10
4 Pipes/Structures	8
3 Pipes/Structures	6
2 Pipes/Structures	4
1 Pipe/Structure	2

The drainage area is not scored specifically, but is evaluated when selecting projects. For example, if two pipe and structure projects are being directly compared and have identical scores, the location with the greater drainage area will be selected.

3.4 Pipe and Swale Restoration: Prioritization Process and Scoring

As mentioned in Section 1, pipe and swale restoration and rehabilitation projects are implemented county-wide. The implementation schedule was based on road classification, starting with arterials, then the number of pipes full of sediment. Once all the arterial roads were completed, work on collector roads began. The Stormwater Maintenance Strategic Plan now evaluates all collectors and major local roads into the prioritization process. The priority scoring for pipe and structure restoration projects are based on four categories:

- 1) Road Classification
- 2) Traffic Count
- 3) Pipes - average percent full
- 4) Clogged pipes within flood zone

Table A-4 in **Appendix A** identifies the scoring and ranking for each location.

3.4.1 Road Classification

Projects were assigned points based on the road classification using the point system in **Table 3-10**.

Table 3-10 Scoring System for Type of Road Classification

Road Type	Points Allotted
Arterial	20
Collector	16
Major Local	12
Minor Local	8
Subdivision Local	4

Table A-4 in **Appendix A** shows the road type for each project.

3.4.2 Traffic Count

Projects were assigned points based on traffic count using the point system in **Table 3-11**.

Table 3-11 Scoring System for Traffic Count

Traffic Count	Points Allotted
>25,001	20
20,001-25,000	16
15,001-20,000	12
10,001-15,000	8
5,001-10,000	4
0-5,000	2

Table A-3 in **Appendix A** shows the traffic count for each road.

3.4.3 Clogged Pipe Assessment

In late 2010, an assessment of each county-maintained pipe was made to determine its current hydraulic capacity and how full of sediment the pipes were. Using that data, an average percentage full was calculated for each road and allotted one (1) point for each 10% increment full.

Table 3-12 Scoring System for Clogged Pipe Assessment

Average % Full in Pipes	Points Allotted
per 10%	1

Table A-4 in **Appendix A** shows the average percentage full for each road.

3.4.4 Clogged Pipe Assessment if in a Flood Zone

When clogged pipes are in a flood zone, this could negatively impact upstream and downstream areas. An evaluation was conducted using ArcGIS to determine how many pipes along each road were clogged by at least 30% and existed in a flood prone area (FEMA floodplain or GWIS flood

zone identified in the Watershed Management Plan). Each occurrence scores a point as shown in the **Table 3-13**.

**Table 3-13 Scoring System Used for Clogged Pipes
30% or More Full In FEMA/GWIS Flood Zone**

Clogged Pipes 30% or more full	Points Allotted
Number of pipes meeting criteria	1

Table A-4 in **Appendix A** shows the number of clogged pipes for each road in a FEMA/GWIS Flood Zone.

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4.0 Projects Proposed for Fiscal Year 18/19

Projects proposed for Fiscal Year 18/19 are included in **Table 4-1**. Note that there are two groups, A and B. Group A clusters the major maintenance and pipe and structure locations/issues together and Group B identifies the pipe and swale restoration projects. The scheduling for these groups will proceed in parallel through the fiscal year. While not guaranteed, the order of implementation should closely approximate the maintenance project number for each group.

Group A projects were prioritized using the following methodology. First, the highest scoring project was selected from the major maintenance or pipe and structure priority scoring lists and assigned a “MP” number or group. Using GIS, Stormwater staff identified the nearest project locations and added them to the group. Most groups are organized to involve more locations or heavier work effort and be longer duration projects, 30 to 45 days, and be over \$50,000. Other groups involve fewer locations or less work effort and have shorter durations, 14 to 21 days, and may be less than \$50,000. Major maintenance work will be funded by the 534101 Contract Maintenance line item. Pipe and structure work will be funded by the 563101 Capital Outlay line item.

Group B identifies the pipe and swale restoration projects scored as described in Section 3; however, in selecting the order of implementation, service requests were considered. Roads with significant service requests relating to drainage issues were selected over similarly scored roads with fewer service requests. Pipe and swale restoration projects typically range from \$30,000 to \$200,000 and will be primarily funded by the 563101 Capital Outlay line item. Note that Group B includes drainage work associated with rehabilitation projects identified with the Transportation Improvement Plan (TIP). Where rehabilitation projects are planned, Stormwater staff will evaluate the pipe and swale restoration work needed. This additional work will be incorporated into the TIP project to ensure cost savings due to economy of scale and overall work efficiency within the OCE.

Table 4-1 Proposed Maintenance Projects for FY 18/19

Maintenance Project ID	Project Type	Project Name/Location
Group A		
MP 31	Major Maintenance/Pipe & Structure	DRAs 7008, 7014, 7018, 7030, 7034, 3761 and 3762
MP 32	Major Maintenance/Pipe & Structure	DRAs 2497, 2515, 2517, 2545, 2706, and 2752
MP 33	Major Maintenance/Pipe & Structure	DRAs 7046, 7271, 7382, 7398, 7403, 7436 and 7361
MP 34	Major Maintenance/Pipe & Structure	DRAs 1135, 5066, 5111, 5112, and 5140
MP 35	Major Maintenance/Pipe & Structure	DRAs 2090, 2148, 2163, 2198, 2221, 2225, 2227 and 3169
MP 36	Major Maintenance/Pipe & Structure	DRAs 7032, 7033, 7091, 7105 and 7196
MP 37	Major Maintenance	DRAs 2631, 2634 and 2693
MP 38	Major Maintenance	DRAs 7101, 7103, 7108 and 7275

MP 42	Major Maintenance	DRA 2630, 2788, and 2791
MP 43	Major Maintenance/Pipe & Structure	DRA 2657, 2674, 2684, 2917, and 2955
MP 44	Major Maintenance	DRA 2830 and 3061
MP 45	Major Maintenance	DRA 7134 and 7262
MP 46	Major Maintenance	DRA 7576
Group B		
MP 25	Pipe & Swale Restoration	West Anthony Road
MP 26	Pipe & Swale Restoration	NW Gainesville Road
MP 39	Pipe & Swale Restoration	SW 80 th Avenue
MP 40	Pipe & Swale Restoration	SE Baseline Road, Se 108 th Terrace Road, and SE 110 th Street Road
MP 47	Pipe & Swale Restoration	Marion Oaks Lane
MP 48	Pipe & Swale Restoration	NE HWY 315
MP 49	Pipe & Swale Restoration	NW 100 th Avenue and NW 95 th Avenue Road
MP 50	Pipe & Swale Restoration	SW 38 th Avenue, SW 40 th Avenue, SW 90 th Street, and SW 85 th Street
MP 51	Pipe & Swale Restoration	Marion Oaks Trail
MP 52	Pipe & Swale Restoration	Villages Buena Vista Blvd
MP 53	Pipe & Swale Restoration	SE 145 th Street
MP 54	Pipe & Swale Restoration	W HWY 329
MP 55	Pipe & Swale Restoration	Emerald Road

Figures showing the overall location map for all projects, as well as, close-ups of each Maintenance Project ID are provided in **Appendix B**.

APPENDIX A TABLES

TABLE A-1
STORMWATER MAINTENANCE STRATEGIC PLAN
HISTORICAL LIST OF COMPLETED MAINTENANCE PROJECTS

TABLE A-1			
Project Identification	Project Location	Fiscal Year Completed	Project Cost
Major Maintenance			
Bid 06B-051	Fore Acres	FY 2005-2006	\$ 32,552
PO 0700569	Silver Springs Shores DRAs	FY 2006-2007	\$ 11,475
Bid 07B-033	Marion Oaks DRAs	FY 2006-2007	\$ 14,500
Bid 07B-054	Southeast & Southwest Quadrants - Marion County DRAs	FY 2006-2007	\$ 11,000
Bid 07B-066	10 DRAs throughout Marion County	FY 2006-2007	\$ 87,678
Bid 08B-013	Southwest Quadrant - Marion County DRAs	FY 2007-2008	\$ 7,500
Q08-029	Cedar Hills	FY 2007-2008	\$ 5,499
Bid 08B-032	Highway 484 DRA	FY 2007-2008	\$ 4,235
Bid 08B-014	19 DRAs throughout Marion County	FY 2007-2008	\$ 97,368
Bid 08B-086	37 DRAs throughout Marion County	FY 2008-2009	\$ 189,794
Bid 09B-039	4 DRAs throughout Marion County	FY 2008-2009	\$ 15,500
Bid 10B-027	27 DRAs throughout Marion County	FY 2009-2010	\$ 108,550
Bid 11B-095	27 DRAs throughout Marion County	FY 2011-2012	\$ 188,029
Bid 12B-079	DRAs West of I-75	FY 2011-2012	\$ 36,141
Bid 12B-080	DRAs East of I-75	FY 2011-2012	\$ 147,210
Bid 12B-138	12 DRAs throughout Marion County	FY 2011-2012	\$ 174,459
12Q-064-PA-04	DRA 2685 in Marion Oaks	FY 2011-2012	\$ 28,506
12Q-064-PA-05	DRAs 2921 and 2923 in Marion Oaks	FY 2011-2012	\$ 91,213
12Q-064	DRA 2960 in Marion Oaks	FY 2012-2013	\$ 10,802
12Q-064	DRAs East of I-75 Misc Repairs	FY 2012-2013	\$ 37,413
12Q-064	DRAs NW 60th Avenue	FY 2012-2013	\$ 25,860
12Q-064	DRA 3690 SW 60th Avenue Sinkhole Repair	FY 2012-2013	\$ 39,013
12Q-064-PA-22	DRA 7545 in Deer Path Sinkhole Repair	FY 2012-2013	\$ 65,878
13Q-019-PA-02	DRA 3559 Sinkhole Repair	FY 2012-2013	\$ 93,233
13Q-019	DRA Major Maintenance of 3 Structures SW	FY 2013-2014	\$ 26,363
Bid 13B-172	DRA Major Maintenance in SE Quadrant - 13 DRAs	FY 2013-2014	\$ 151,385
Bid 14B-046	DRA Major Maintenance in SW-1 Quadrant - 4 DRAs	FY 2013-2014	\$ 54,050
Bid 14B-066	DRA Major Maintenance in NW-1 Quadrant - 2 DRAs	FY 2013-2014	\$ 46,595
Bid 14B-073	February 2014 DRA Fence Repair Bid - New Damage	FY 2013-2014	\$ 3,721
Bid 14B-108	DRA Major Maintenance in NE-1 DRA 5060	FY 2013-2014	\$ 46,396
12Q-064	DRA 5096 Fence Relocation Project	FY 2013-2014	\$ 1,960
Q14-109	May 2014 DRA Fence Repair Bid - New Damage	FY 2014-2015	\$ 5,992
Q14-133	July 2014 DRA Fence Repair Bid - New Damage	FY 2014-2015	\$ 4,469
Q14-155	August 2014 DRA Fence Repair Bid - New Damage	FY 2014-2015	\$ 7,188
12Q-064-PA-31	Major Maint DRAs -2802, 2922, 2968, & 3071 - MP-1	FY 2014-2015	\$ 76,455
12Q-064-PA-32	Major Maint DRAs -2322, 3142, & 3148 - MP-2	FY 2014-2015	\$ 72,527
Q15-046	December 2014 DRA Fence Repair Project	FY 2014-2015	\$ 8,616
12Q-064-PA-34	Major Maint DRAs -5005, 5008, 5012, 5013, 5030 & 5035 - MP-4	FY 2014-2015	\$ 74,297
15B-113	Major Maint DRAs -7013, 7080, 7086, & 7167 - MP-5	FY 2014-2015	\$ 73,676
Q15-136	June 2015 DRA Fence Repair Project	FY 2014-2015	\$ 2,902
15B-128	Major Maint DRAs -7081, 7124, 7184, & 7187 - MP-6	FY 2014-2015	\$ 67,955
12Q-064-PA-33	Major Maint DRAs -2644, 2679, 2686, 2694, & 2907 - MP-3	FY 2014-2015	\$ 57,500
15B-188	Major Maint DRAs -1036, 1093, 1098, & 1136 - MP-7	FY 2015-2016	\$ 87,270
12Q-064-TO-01	Major Maint DRA - 1142 DE Invasive / Exotic Removal	FY 2015-2016	\$ 3,950
12Q-064-TO-02	Major Maint DRAs - 1029 - MP-7A	FY 2015-2016	\$ 35,983
12Q-064-TO-03	DRA 3249 Sinkhole Repair	FY 2015-2016	\$ 52,317
12Q-064-TO-04	DRA 3559 Sinkhole Repair	FY 2015-2016	\$ 41,128
12Q-064-TO-11	Major Maint DRAs - 3108 & 2632 - MP-11	FY 2015-2016	\$ 14,441
12Q-064-TO-06	DRA 5081	FY 2015-2016	\$ 39,569
12Q-064-TO-09	Mossbrook Farms DRA 1154	FY 2016-2017	\$ 49,750
12Q-064-TO-13	Major Maint DRAs -2780, 2825, 2826, 2927, & 2949 - MP-10	FY 2016-2017	\$ 27,648
12Q-064-TO-14	Major Maint DRAs -3016 - MP-8	FY 2016-2017	\$ 114,944
17B-094	Major Maint DRAs -3059, 3072, & 3468 - MP-12	FY 2016-2017	\$ 47,166

TABLE A-1
STORMWATER MAINTENANCE STRATEGIC PLAN
HISTORICAL LIST OF COMPLETED MAINTENANCE PROJECTS

17B-153	DRA 7545 Sinkhole Repair	FY 2016-2017	\$ 37,423
17B-155	Major Maint DRAs 1067, 1071 & 1122 - MP-30	FY 2016-2017	\$ 58,537
18B-057	Major Maintenance DRA 3556 Significant Erosion Repair	FY 2017-2018	\$ 105,354
Q18-075	Major Maintenance DRA 3069 Significant Erosion Repair	FY 2017-2018	\$ 13,787
17B-092	Major Maintenance DRAs - 2200, 2981 & 3464 - MP 9	FY 2017-2018	\$ 138,014
18B-108	Major Maintenance DRA 3249 Significant Erosion Repair	FY 2017-2018	\$ 35,716
18B-076	Major Maintenance DRA 3690 Significant Erosion Repair	FY 2017-2018	\$ 78,039
17Q-087-TO-11	Major Maintenance DRA 7083 Erosion Repair	FY 2017-2018	\$ 5,925
18B-180	Major Maintenance DRA 1116 Significant Erosion Repair	FY 2017-2018	\$ 66,109
17B-153	Major Maintenance DRA 7545 Sinkhole Repair	FY 2017-2018	\$ 12,223
Pipe and Structure Projects			
13Q-019-PA-07	W HWY 320 Drainage Structure Repair	FY 2013-2014	\$ 27,595
12Q-064	Pipe & Structures SE-1	FY 2013-2014	\$ 14,230
12Q-064	Pipe & Structures SW-1	FY 2013-2014	\$ 11,625
12Q-064	Pipe & Structures SE-2	FY 2013-2014	\$ 20,088
12Q-064	SW 60th Ave Drainage Structure Repair	FY 2013-2014	\$ 3,750
Bid 14B-108	Pipe & Structures NE-1	FY 2013-2014	\$ 46,396
12Q-064	Pipe & Structures SW-2	FY 2013-2014	\$ 14,361
12Q-064	Pipe & Structures SW-3	FY 2013-2014	\$ 22,765
12Q-064	Pipe & Structures SW-4	FY 2013-2014	\$ 17,099
12Q-064	Pipe & Structures SE-3	FY 2013-2014	\$ 13,184
12Q-064	Pipe & Structures SE-4	FY 2014-2015	\$ 13,217
12Q-064	Pipe & Structures SW-5	FY 2014-2015	\$ 18,175
12Q-064	Pipe & Structures NW 193rd Street CGID 13518 Erosion Repair Project	FY 2014-2015	\$ 14,896
12Q-064-TO-02	Pipe & Structures MP-7A	FY 2015-2016	\$ 12,074
	Pipe & Structures DRA 2753 Splash Pad	FY 2015-2016	\$ 2,400
12Q-064-TO-12	Inlet Repair CR 475 A	FY 2015-2016	\$ 3,500
12Q-064-TO-11	Pipe & Structures DRA 3108 & 2632 - MP-11	FY 2015-2016	\$ 21,211
12Q-064-TO-13	Pipe & Structures DRAs -2780, 2825, 2826, 2927, & 2949 - MP-10	FY 2016-2017	\$ 95,837
17Q-087-TO-02	SW Corner of HWY 314A and E HWY 40 Pipe & MES	FY 2017-2018	\$ 11,490
17Q-087-TO-13	NW 44th Avenue Inlet Sedimentation Removal	FY 2017-2018	\$ 16,675
Pipe and Swale Repair and Restoration Projects			
Bid 04B-005	Pipe & Swale Eureka & Ft. McCoy and Various SE Marion County areas (Phase I & II)	FY 2003-2004	\$ 230,748
Bid 05B-076	Pipe & Swale Rainbow Springs area P&S Phase III	FY 2005-2006	\$ 408,650
Bid 06B-109	Pipe & Swale Carol & Country Estates/Subdivisions	FY 2006-2007	\$ 295,030
Bid 09B-091	Pipe & Swale Arterial Roads/County-wide (GWP)	FY 2009-2010	\$ 140,756
Bid 10B-026	Pipe & Swale Collector Roads/Phase 1 (RTP Enterprises)	FY 2009-2010	\$ 212,618
12Q-064-PA-01	Pipe & Swale Collector Roads/CR25	FY 2011-2012	\$ 70,273
12Q-064-PA-06	Pipe & Swale Collector Roads/NW-SW 60th Avenue	FY 2011-2012	\$ 22,550
12Q-064-PA-07	Pipe & Swale Collector Roads/NW 110th Avenue	FY 2011-2012	\$ 22,730
12Q-064-PA-14	Pipe & Swale Collector Roads/CR475A&B and CR312	FY 2011-2012	\$ 51,801
12Q-064	Pipe & Swale Collector Roads/NE 175th St Rd	FY 2011-2012	\$ 6,625
12Q-064	Pipe & Swale Collector Roads/NE 165th Street	FY 2011-2012	\$ 25,083
12Q-064-PA-19	Pipe & Swale Collector Roads/NE 58th Avenue - MP-27	FY 2011-2012	\$ 60,504
12Q-064	Pipe & Swale Local Roads/SE 23rd Lane	FY 2011-2012	\$ 9,399
12Q-064	Pipe & Swale Local Roads/Water Trak	FY 2011-2012	\$ 20,007
12Q-064	Pipe & Swale Collector Roads/NW 60th Avenue	FY 2012-2013	\$ 25,859
12Q-064	Pipe & Swale Local Roads/SE 7th Avenue	FY 2012-2013	\$ 6,530
12Q-064	Pipe & Swale Collector Roads/SE 38th Street	FY 2012-2013	\$ 27,467
12Q-064-PA-27	Pipe & Swale Collector Roads/CR 316 East	FY 2013-2014	\$ 247,496
13Q-019-PA-05	Pipe & Swale Collector Road - NW/NE 100th Street	FY 2013-2014	\$ 61,017
13Q-019-PA-06	Pipe & Swale NW Gainesville Rd at Lowell	FY 2013-2014	\$ 32,465
13Q-019-PA-08	Pipe & Swale CR 328	FY 2014-2015	\$ 135,440
13Q-019-PA-10	Pipe & Swale SW 49th Avenue - Mannino	FY 2014-2015	\$ 35,556
12Q-064-PA-37	Pipe & Swale W HWY 326 - CGID 14588 Pipe Repair in Roadway	FY 2014-2015	\$ 7,495
12Q-064-PA-36	Pipe & Swale E HWY 318 - MP-14	FY 2014-2015	\$ 29,109

TABLE A-1
STORMWATER MAINTENANCE STRATEGIC PLAN
HISTORICAL LIST OF COMPLETED MAINTENANCE PROJECTS

15B-059	Pipe & Swale W HWY 316 - MP-13	FY 2014-2015	\$ 140,635
12Q-064-PA-39	Pipe & Swale SE 52nd St - MP-15	FY 2014-2015	\$ 37,135
15B-112	Pipe & Swale E HWY 316 - Dbl. Pipe Repair in Roadway	FY 2014-2015	\$ 58,087
12Q-064-PA-40	Pipe & Swale Marion Oaks Manor Phase 1 - MP-16	FY 2014-2015	\$ 128,867
12Q-064-PA-41	Pipe & Swale NW 90th Ave (Little) - Pipe Extension/Shoulder Reconstruction	FY 2014-2015	\$ 17,911
12Q-064-TO-08	Pipe & Swale NE 90th Street Rd - MP-17	FY 2015-2016	\$ 28,027
12Q-064-TO-10	Pipe & Swale NW 62nd Pl - MP-18	FY 2015-2016	\$ 105,139
16B-174	P&S Marion Oaks Manor Phase 2 - MP-20	FY 2016-2017	\$ 72,966
16B-174	P&S Marion Oaks Manor Phase 3 - MP-24	FY 2016-2017	\$ 74,112
12Q-064-TO-15	P&S SE HWY 42 - MP-19	FY 2016-2017	\$ 64,555
Q17-091	P&S SE HWY 484 - MP-21	FY 2016-2017	\$ 8,960
17B-093	P&S MP-41 Culvert Replacement Near Orange Lake/NW Gainesville Rd	FY 2016-2017	\$ 165,302
Q17-130	SW 66th Street	FY 2016-2017	\$ 15,345
17Q-087-TO-05	Pipe and Swale Restoration NW HWY 225A - MP 22	FY 2017-2018	\$ 88,774
Q18-094	NW 90th Avenue Pipe and Erosion Repair	FY 2017-2018	\$ 45,206
17Q-087-TO-12	Pipe and Swale Restoration NW 70th Ave Rd/NW 80th Ave - MP 23	FY 2017-2018	\$ 32,790

**TABLE A-2
STORMWATER MAINTENANCE STRATEGIC PLAN
MAJOR MAINTENANCE PRIORITIZATION SCORING**

Table A-2

DRAINAGE RETENTION AREA (DRA) #	3761	2631	2630	2955	3061	2606	2634	2674	2925	7101	3098	7436	1047	2610	3119	7008	2216	7134	7108
SINKHOLE ACTIVITY																			
Active Sinkhole with Visible Chimney (20)																		20	
Active Sinkhole w/o Visible Chimney (15)	15																		
Depression with Soft Area (10)												10				10	10		
Depression with Firm Area (5)																			
AQUIFER VULNERABILITY (MCAVA)																			
Most Vulnerable (6)												6					6		
More Vulnerable (4)	4															4			
Vulnerable (2)																			
Less Vulnerable (0)																			
FENCE AND VEGETATION COVERAGE																			
Poor 66-100% (10)											10								
Fair 33-66% (8)				8								8				8		8	8
Good 0-33% (4)										4									
No Issue and/or No Fence (0)	0	0	0		0	0	0	0	0				0	0	0		0		
VEGETATION DRA WIDE (CONSTRUCTED PORTION)																			
Poor (Not Mowable) 50-100% (10)	10	10													10				
Fair (Partially Mowable) 11-49% (8)			8		8						8	8				8	8		8
Minor Clearing (Bush Hog) 0% (6)																			
Good (Partially Mowable) 1-10% (4)						4	4	4	4									4	
None (Mowable) 0% (0)				0						0				0					
VEGETATION PARCEL WIDE (NOT CONSTRUCTED PORTIONS)																			
Poor (Not Mowable) 50-100% (10)													10						
Fair (Partially Mowable) 11-49% (8)																			
Minor Clearing (Bush Hog) 0% (6)																			
Good (Partially Mowable) 1-10% (4)																			
None (Mowable) 0% (0)																			
EROSION																			
Major (15)	15	15	15	15	15	15	15	15	15	15	15			15					15
Minor (5)												5	5		5		5		
PIPE & STRUCTURE MAINTENANCE																			
Non-Functional (20)		20	20	20	20	20	20	20	20	20			20	20	20				
Functional w/Damage (5)	5										5					5	5		
TOTAL	49.0	45.0	43.0	43.0	43.0	39.0	39.0	39.0	39.0	39.0	38.0	37.0	35.0	35.0	35.0	35.0	34.0	32.0	31.0
NUMBER OF CARTEGRAPH SERVICE REQUESTS AND WORK ORDERS																			
Service Requests (1)	0	2	0	1	1	1	1	1	2	7	5	6	0	0	0	6	4	17	8
Work Orders (2)	0	2	3	0	1	1	1	1	4	2	4	3	0	0	0	4	10	7	4
DRAINAGE BASIN SIZE																			
Drainage Basin (ICPR Basin Size in Acres)	21.3	29.0	4.8	24.9	30.3	9.6	6.5	16.6	55.8	46.2	18.4	35.2	11.7	16.8	9.2	22.7	121.6	11.1	26.9
Assigned Maintenance Project #	MP-31	MP-37	MP-42	MP-43	MP-44		MP-37	MP-43		MP-38		MP-33				MP-31	MP-35	MP-45	MP-38

TABLE A-2
STORMWATER MAINTENANCE STRATEGIC PLAN
MAJOR MAINTENANCE PRIORITIZATION SCORING

Table A-2

DRAINAGE RETENTION AREA (DRA) #	1032	1135	2446	3754	7018	2684	2788	2791	2799	2830	7046	3125	7034	7103	7152	7275	7403	7331	2895	
SINKHOLE ACTIVITY																				
Active Sinkhole with Visible Chimney (20)																				
Active Sinkhole w/o Visible Chimney (15)																				
Depression with Soft Area (10)																				
Depression with Firm Area (5)																				
AQUIFER VULNERABILITY (MCAVA)																				
Most Vulnerable (6)																				
More Vulnerable (4)																				
Vulnerable (2)																				
Less Vulnerable (0)																				
FENCE AND VEGETATION COVERAGE																				
Poor 66-100% (10)		10			10							10								
Fair 33-66% (8)																		8		
Good 0-33% (4)				4									4		4					
No Issue and/or No Fence (0)	0		0			0	0	0	0	0	0			0		0	0			0
VEGETATION DRA WIDE (CONSTRUCTED PORTION)																				
Poor (Not Mowable) 50-100% (10)	10	10	10		10															
Fair (Partially Mowable) 11-49% (8)				8								8		8		8	8	8		
Minor Clearing (Bush Hog) 0% (6)																				
Good (Partially Mowable) 1-10% (4)						4	4	4	4	4	4		4		4					
None (Mowable) 0% (0)																				0
VEGETATION PARCEL WIDE (NOT CONSTRUCTED PORTIONS)																				
Poor (Not Mowable) 50-100% (10)																				
Fair (Partially Mowable) 11-49% (8)				8																
Minor Clearing (Bush Hog) 0% (6)																				
Good (Partially Mowable) 1-10% (4)																				
None (Mowable) 0% (0)																				
EROSION																				
Major (15)			15															15		
Minor (5)		5		5	5	5	5	5	5	5	5	5						5	5	
PIPE & STRUCTURE MAINTENANCE																				
Non-Functional (20)	20					20	20	20	20	20	20		20	20	20	20				20
Functional w/Damage (5)		5	5	5	5							5						5	5	
TOTAL	30.0	30.0	30.0	30.0	30.0	29.0	29.0	29.0	29.0	29.0	29.0	28.0	28.0	28.0	28.0	28.0	28.0	26.0	25.0	
NUMBER OF CARTEGRAPH SERVICE REQUESTS AND WORK ORDERS																				
Service Requests (1)	0	0	0	2	12	0	1	0	1	1	0	1	5	0	6	5	2	4	0	
Work Orders (2)	0	0	4	1	7	0	2	2	1	0	0	5	1	1	3	3	5	7	0	
DRAINAGE BASIN SIZE																				
Drainage Basin (ICPR Basin Size in Acres)	75.5	46.3	10.3	17.6	31.7	10.9	28.2	7.6	62.8	7.5	26.6	34.7	4.2	35.1	32.7	50.6	32.0	41.4	43.5	
Assigned Maintenance Project #		MP-34			MP-31	MP-43	MP-42	MP-42		MP-44	MP-33		MP-31	MP-38		MP-38	MP-33			

TABLE A-2
STORMWATER MAINTENANCE STRATEGIC PLAN
MAJOR MAINTENANCE PRIORITIZATION SCORING

Table A-2

DRAINAGE RETENTION AREA (DRA) #	2946	5066	1040	2589	2657	2693	7091	7250	7033	3184	3435	3437	3762	7055	7193	7264	7576	2227	7198
SINKHOLE ACTIVITY																			
Active Sinkhole with Visible Chimney (20)																	20		
Active Sinkhole w/o Visible Chimney (15)																			
Depression with Soft Area (10)																			
Depression with Firm Area (5)																			
AQUIFER VULNERABILITY (MCAVA)																			
Most Vulnerable (6)																			
More Vulnerable (4)																			
Vulnerable (2)																			
Less Vulnerable (0)																			
FENCE AND VEGETATION COVERAGE																			
Poor 66-100% (10)							10		10										
Fair 33-66% (8)																			
Good 0-33% (4)																			
No Issue and/or No Fence (0)	0	0	0	0	0	0		0		0	0	0	0	0	0	0		0	0
VEGETATION DRA WIDE (CONSTRUCTED PORTION)																			
Poor (Not Mowable) 50-100% (10)													10		10				
Fair (Partially Mowable) 11-49% (8)									8									8	8
Minor Clearing (Bush Hog) 0% (6)																			
Good (Partially Mowable) 1-10% (4)			4	4	4	4	4	4											
None (Mowable) 0% (0)	0	0								0	0	0		0		0			
VEGETATION PARCEL WIDE (NOT CONSTRUCTED PORTIONS)																			
Poor (Not Mowable) 50-100% (10)																			
Fair (Partially Mowable) 11-49% (8)																			
Minor Clearing (Bush Hog) 0% (6)																			
Good (Partially Mowable) 1-10% (4)																			
None (Mowable) 0% (0)																			
EROSION																			
Major (15)				15	15	15		15		15	15	15		15					
Minor (5)	5	5					5						5		5			5	5
PIPE & STRUCTURE MAINTENANCE																			
Non-Functional (20)	20	20	20													20			
Functional w/Damage (5)				5	5	5	5	5	5	5	5	5	5	5	5			5	5
TOTAL	25.0	25.0	24.0	24.0	24.0	24.0	24.0	24.0	23.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	18.0	18.0
NUMBER OF CARTEGRAPH SERVICE REQUESTS AND WORK ORDERS																			
Service Requests (1)	0	1	1	4	3	1	2	0	3	0	2	2	0	1	0	3	3	2	1
Work Orders (2)	4	3	1	2	4	2	2	0	2	5	3	6	0	0	0	0	0	0	3
DRAINAGE BASIN SIZE																			
Drainage Basin (ICPR Basin Size in Acres)	7.9	44.6	7.9	11.5	6.9	8.9	23.1	51.9	18.8	34.9	46.8	43.5	33.6	39.1	1276.5	12.6	73.9	56.9	15.7
Assigned Maintenance Project #		MP-34			MP-43	MP-37	MP-36		MP-36				MP-31				MP-46	MP-35	

**TABLE A-2
STORMWATER MAINTENANCE STRATEGIC PLAN
MAJOR MAINTENANCE PRIORITIZATION SCORING**

Table A-2

DRAINAGE RETENTION AREA (DRA) #	7271	1027	7014	3026	3169	5079	7105	7227	7228	7283	7493	2163	2198	2221	2390	2869	7170	7398	3046
SINKHOLE ACTIVITY																			
Active Sinkhole with Visible Chimney (20)																			
Active Sinkhole w/o Visible Chimney (15)																			
Depression with Soft Area (10)																			
Depression with Firm Area (5)																			
AQUIFER VULNERABILITY (MCAVA)																			
Most Vulnerable (6)																			
More Vulnerable (4)																			
Vulnerable (2)																			
Less Vulnerable (0)																			
FENCE AND VEGETATION COVERAGE																			
Poor 66-100% (10)		10			10														
Fair 33-66% (8)			8																
Good 0-33% (4)							4												
No Issue and/or No Fence (0)	0			0		0		0	0	0	0	0	0	0	0	0	0	0	0
VEGETATION DRA WIDE (CONSTRUCTED PORTION)																			
Poor (Not Mowable) 50-100% (10)								10	10	10	10								
Fair (Partially Mowable) 11-49% (8)	8																		
Minor Clearing (Bush Hog) 0% (6)		6					6												
Good (Partially Mowable) 1-10% (4)			4									4	4	4	4	4	4	4	
None (Mowable) 0% (0)																			
VEGETATION PARCEL WIDE (NOT CONSTRUCTED PORTIONS)																			
Poor (Not Mowable) 50-100% (10)				10		10													
Fair (Partially Mowable) 11-49% (8)																			8
Minor Clearing (Bush Hog) 0% (6)																			
Good (Partially Mowable) 1-10% (4)			4																
None (Mowable) 0% (0)																			
EROSION																			
Major (15)																			
Minor (5)	5											5	5	5	5	5	5	5	5
PIPE & STRUCTURE MAINTENANCE																			
Non-Functional (20)																			
Functional w/Damage (5)	5			5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
TOTAL	18.0	16.0	16.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	13.0
NUMBER OF CARTEGRAPH SERVICE REQUESTS AND WORK ORDERS																			
Service Requests (1)	3	4	2	0		0	3	0	0	4	0	0	1	3	0	0	1	1	1
Work Orders (2)	0	2	1	2		0	0	0	0	7	0	0	1	0	1	2	1	1	1
DRAINAGE BASIN SIZE																			
Drainage Basin (ICPR Basin Size in Acres)	42.6	30.2	21.7	33.9	13.9	191.6	14.5	6.7	29.4	27.6	4.8	39.9	11.1	22.1	10.1	7.5	65.0	16.1	136.0
Assigned Maintenance Project #	MP-33		MP-31		MP-35		MP-36					MP-35	MP-35	MP-35				MP-33	

**TABLE A-2
STORMWATER MAINTENANCE STRATEGIC PLAN
MAJOR MAINTENANCE PRIORITIZATION SCORING**

Table A-2

DRAINAGE RETENTION AREA (DRA) #	5140	7154	7161	7262	2046	2497	2515	2517	3186	3589	7214	7226	7393	7400	7401	7489	7030	3129
SINKHOLE ACTIVITY																		
Active Sinkhole with Visible Chimney (20)																		
Active Sinkhole w/o Visible Chimney (15)																		
Depression with Soft Area (10)																		
Depression with Firm Area (5)																		
AQUIFER VULNERABILITY (MCAVA)																		
Most Vulnerable (6)																		
More Vulnerable (4)																		
Vulnerable (2)																		
Less Vulnerable (0)																		
FENCE AND VEGETATION COVERAGE																		
Poor 66-100% (10)									10									
Fair 33-66% (8)				8														8
Good 0-33% (4)		4	4														4	
No Issue and/or No Fence (0)	0				0	0	0	0		0	0	0	0	0	0	0		
VEGETATION DRA WIDE (CONSTRUCTED PORTION)																		
Poor (Not Mowable) 50-100% (10)																		
Fair (Partially Mowable) 11-49% (8)																		
Minor Clearing (Bush Hog) 0% (6)					6													
Good (Partially Mowable) 1-10% (4)		4	4															
None (Mowable) 0% (0)				0					0	0							0	
VEGETATION PARCEL WIDE (NOT CONSTRUCTED PORTIONS)																		
Poor (Not Mowable) 50-100% (10)							10	10	10		10	10	10	10	10	10		
Fair (Partially Mowable) 11-49% (8)	8																	
Minor Clearing (Bush Hog) 0% (6)																		
Good (Partially Mowable) 1-10% (4)																		
None (Mowable) 0% (0)																		
EROSION																		
Major (15)																		
Minor (5)										5								
PIPE & STRUCTURE MAINTENANCE																		
Non-Functional (20)																		
Functional w/Damage (5)	5	5	5	5	5					5							5	
TOTAL	13.0	13.0	13.0	13.0	11.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.0	8.0
NUMBER OF CARTEGRAPH SERVICE REQUESTS AND WORK ORDERS																		
Service Requests (1)	0	3	3	11	2	0	0	0	6	5	1	0	0	0	0	0	7	1
Work Orders (2)	0	7	4	4	1	1	0	0	7	2	0	0	0	0	0	0	3	1
DRAINAGE BASIN SIZE																		
Drainage Basin (ICPR Basin Size in Acres)	32.4	3.3	10.5	44.8	3.6	23.4	3.8	7.2	9.9	51.0	421.0	1276.5	124.6	239.9	131.8	124.6	15.3	6.6
Assigned Maintenance Project #	MP-34			MP-45		MP-32	MP-32	MP-32									MP-31	

**TABLE A-3
STORMWATER MAINTENANCE STRATEGIC PLAN
PIPE STRUCTURE PROJECT PRIORITIZATION SCORING**

Drainage Retention Area (DRA) #	PIPE & STRUCTURE MAINTENANCE	Non-Functional w/Safety Issue (20)	Non-Functional w/No Safety Issue (15)	Functional w/Damage & Safety Issue (10)	Functional w/Damage (5)	Drainage Basin (ICPR Basin Size in Acres)	NUMBER OF DAMAGED PIPES/ STRUCTURES IN DRA	1 Pipe or Structure (2)	2 Pipe or Structure (4)	3 Pipe or Structure (6)	4 Pipe or Structure (8)	5 Pipe or Structure (10)	NUMBER OF CARTEGRAPH SERVICE REQUESTS	Number of Work Orders	Number of Service Requests	TOTAL	Rank: 5=Low 4=Moderate 3=Medium 2=High 1=Severe	Fiscal Year Planned	Maintenance Project #
DRA 7032			15			14.8			6							21			MP-36
DRA 3152			15			9.6		2							1	17	3		
DRA 3289			15			12.8		2							0	17	3		
DRA 3341			15			4.9		2							1	17	3		
DRA 3516			15			37.1		2							1	17	3		
DRA 5111			15			45.2		2							0	17	3		MP-34
DRA 5112			15			57.7		2							0	17	3		MP-34
CGID 20942			15			N/A		2							1	17	3		
DRA 7196			15			17.5		2								17			MP-36
DRA 3253			15			188.8		2								17			
DRA 2225			15			13.3		2								17			MP-35
DRA 2090				10		9.8			4						1	14	4		MP-35
DRA 2752				10		8.1			4						1	14	4		MP-32
DRA 3300				10		8.7			4						2	14	4		
CGID 18624				10		67.1		2							1	12	4		
DRA 2148				10		122.6		2							1	12	4		MP-35
DRA 2248				10		21.9		2							1	12	4		
DRA 3294				10		25.3		2							0	12	4		
DRA 3306				10		24.7		2							3	12	4		
DRA 3312				10		8.1		2							1	12	4		
DRA 7441				10		5.5		2							2	12	4		
DRA 7494				10		5.1		2							2	12	4		
CGID 22549				10		N/A		2							3	12	4		
DRA 7382					5	6.2				6						11			MP-33
DRA 2706					5	6.4			4						3	9	4		MP-32
DRA 3273					5	6.2			4						0	9	4		
DRA 3280					5	29.8			4						0	9	4		
DRA 3304					5	4.6			4						1	9	4		
DRA 2322					5	31.2			4							9			
DRA 2614					5	13.5		2							1	7	5		
DRA 2624					5	12.0		2							1	7	5		
DRA 2917					5	9.2		2							0	7	5		MP-43
DRA 2993					5	11.7		2							1	7	5		
DRA 3232					5	34.9		2							3	7	5		
DRA 3268					5	9.9		2							0	7	5		
DRA 3278					5	9.1		2							0	7	5		
DRA 3315					5	44.1		2							3	7	5		
DRA 3322					5	7.1		2							1	7	5		
DRA 3324					5	35.6		2							0	7	5		
DRA 3356					5	34.1		2							0	7	5		
DRA 3365					5	7.0		2							1	7	5		
DRA 3380					5	43.1		2							1	7	5		
DRA 3387					5	8.3		2							1	7	5		
DRA 7028					5	23.4		2							1	7	5		
DRA 7491					5	25.9		2							1	7	5		
DRA 7361					5	47.5		2								7			MP-33
DRA 2545					5	24.2		2								7			MP-32
CGID 31475	TD-SR-4653-13					N/A		2								2			

**TABLE A-4
STORMWATER MAINTENANCE STRATEGIC PLAN
PIPE SWALE RESTORATION PROJECT PRIORITIZATION SCORING**

ROUTE	ROAD CLASSIFICATION					TRAFFIC COUNT						AVERAGE PIPE PERCENT FULL (1 POINT PER 10%)		PIPE & SWALE STATUS No. of 30% or > in FEMA/GWIS Flood Zone	SCORING CONCLUSION		CARTEGRAPH		Maintenance Project #
	Arterial (20)	Collector (16)	Major Local (12)	Minor Local (8)	Subdivision Local (4)	0-5,000 (2)	5,001-10,000 (4)	10,001-15,000 (8)	15,001-20,000 (12)	20,001-25,000 (16)	25,000 + (20)	AVERAGE PERCENT FULL IN PIPE (%)	AVERAGE PERCENT FULL IN PIPE (POINTS)		Total	Rank	Work Orders	Service Requests	
N HWY 329		16				2						20	1.96	11	31.0	1	1	20	
NW GAINESVILLE RD		16				2						51	5.09	7	30.1	2	36	31	MP-26
NE HWY 315		16				2						28	2.79	7	27.8	3	1	17	MP-48
WEST ANTHONY RD		16					4					45	4.50	3	27.5	4	17	1	MP-25
NW 115TH AVE			12			2						44	4.42	9	27.4	5	3	14	
W HWY 318		16				2						22	2.22	7	27.2	6	25	8	
E HWY 329		16				2						65	6.50	2	26.5	7	10	8	
N US HWY 21		16				2						85	8.50	0	26.5	7	0	1	
NW 16TH AVE		16				2						85	8.50	0	26.5	7	39	4	
SW 80TH AVE		16					4					13	1.33	5	26.3	10	39	12	MP-39
NW 110TH ST			12			2						33	3.27	9	26.3	11	1	6	
NE 36TH AVE		16				2						67	6.67	1	25.7	12	7	7	
SW 103RD STREET RD		16					4					33	3.31	2	25.3	13	42	8	
SW 60TH AVE		16						8				1	0.11	1	25.1	14	27	5	
JUNIPER RD			12			2						58	5.80	5	24.8	15	1	8	
SPRING RD			12			2						55	5.54	5	24.5	16	11	1	
BAHIA RD			12			2						55	5.51	5	24.5	17	4	7	
SE BASELINE RD		16						8				5	0.50	0	24.5	18	0	2	MP-40
NW 16TH AVE			12				4					85	8.50	0	24.5	18	39	0	
SW 105TH ST			12			2						54	5.43	5	24.4	20	8	4	
EMERALD RD			12			2						54	5.41	5	24.4	21	0	0	MP-55
PECAN RD			12			2						51	5.13	5	24.1	22	2	12	
NE 35TH ST		16					4					31	3.10	1	24.1	23	7	5	
FISHER RD			12			2						40	4.04	6	24.0	24	17	6	
NW 27TH AVE		16					4					30	3.00	1	24.0	25	8	1	
LOCUST RD			12			2						70	6.98	3	24.0	26	35	1	
NW 160TH ST			12			2						39	3.92	6	23.9	27	1	9	
REDWOOD RD			12			2						49	4.91	5	23.9	28	1	4	
SE 108TH TERRACE RD		16				2						49	4.88	1	23.9	29	9	1	MP-40
SE 80TH ST		16				2						29	2.88	3	23.9	29	34	8	
NE 95TH ST		16				2						58	5.75	0	23.8	31	3	5	
SW 66TH ST		16					4					28	2.75	1	23.8	31	10	5	
NE HWY 315		16				2						37	3.66	2	23.7	33	0	10	
SE 44TH AVENUE RD		16					4					26	2.56	1	23.6	34	37	2	
SE 135TH AVE		16				2						55	5.50	0	23.5	35	16	1	
BANYAN RD			12			2						35	3.50	6	23.5	35	1	6	
NE 86TH LN			12			2						85	8.50	1	23.5	35	0	1	
SE 150TH AVE			12			2						85	8.50	1	23.5	35	27	0	
SE 183RD AVENUE RD			12			2						54	5.36	4	23.4	39	16	10	
NW 27TH AVE			12				4					43	4.33	3	23.3	40	8	5	
SW 49TH AVE		16					4					21	2.13	1	23.1	41	68	9	
NW 135TH ST		16				2						50	5.00	0	23.0	42	1	1	
SW 80TH ST		16					4					20	2.00	1	23.0	42	14	4	
SW 115TH STREET RD			12			2						30	3.00	6	23.0	42	0	2	
DOGWOOD RD			12				4					70	6.96	0	23.0	45	13	1	
NE 199TH STREET RD			12			2						26	2.64	6	22.6	46	20	1	
NW 160TH AVE			12			2						36	3.59	5	22.6	47	3	5	
PINE RD			12			2						56	5.58	3	22.6	48	5	1	
NE 30TH CT			12			2						85	8.50	0	22.5	49	8	2	
SE 145TH ST		16				2						34	3.40	1	22.4	50	0	9	MP-53
SE 41ST CT		16				2						34	3.38	1	22.4	51	44	7	
NW HWY 335			12			2						34	3.36	5	22.4	52	54	1	
NW 118TH STREET RD			12			2						43	4.33	4	22.3	53	152	1	
W HWY 329		16				2						23	2.31	2	22.3	54	12	8	
CEDAR RD			12			2						63	6.31	2	22.3	55	19	5	
NW 61ST LN			12				4					53	5.25	1	22.3	56	3	4	
NW 44TH AVE		16					4					2	0.24	2	22.2	57	5	3	
SE 64TH AVENUE RD			12			2						42	4.23	4	22.2	58	19	3	

**TABLE A-4
STORMWATER MAINTENANCE STRATEGIC PLAN
PIPE SWALE RESTORATION PROJECT PRIORITIZATION SCORING**

ROUTE	ROAD CLASSIFICATION					TRAFFIC COUNT						AVERAGE PIPE PERCENT FULL (1 POINT PER 10%)		PIPE & SWALE STATUS No. of 30% or > in FEMA/GWIS Flood Zone	SCORING CONCLUSION		CARTEGRAPH		Maintenance Project #
	Arterial (20)	Collector (16)	Major Local (12)	Minor Local (8)	Subdivision Local (4)	0-5,000 (2)	5,001- 10,000 (4)	10,001- 15,000 (8)	15,001- 20,000 (12)	20,001- 25,000 (16)	25,000 + (20)	AVERAGE PERCENT FULL IN PIPE (%)	AVERAGE PERCENT FULL IN PIPE (POINTS)		Total	Rank	Work Orders	Service Requests	
SE 180TH AVENUE RD			12			2						61	6.06	2	22.1	59	8	3	
W HWY 329		16				2						30	3.00	1	22.0	60	3	10	MP-54
SE HWY 452		16				2						30	3.00	1	22.0	60	16	2	
SW 62ND AVENUE RD		16					4					20	2.00	0	22.0	60	18	2	
SW 62ND AVENUE RD			12				4					20	2.00	4	22.0	60	18	7	
SW 95TH ST			12			2						20	2.00	6	22.0	60	15	3	
SE 135TH ST			12			2						49	4.93	3	21.9	65	19	1	
NW 150TH AVE			12			2						58	5.81	2	21.8	66	1	2	
SW 47TH PLACE RD			12			2						68	6.75	1	21.8	67	105	0	
SE 47TH AVE			12			2						36	3.63	4	21.6	68	1	8	
SW 155TH ST			12			2						46	4.60	3	21.6	69	17	7	
SE 1ST STREET RD			12			2						36	3.58	4	21.6	70	17	5	
SW 121ST TER			12			2						56	5.57	2	21.6	71	4	15	
SW 110TH AVE			12			2						46	4.56	3	21.6	72	18	2	
SE 80TH AVE			12			2						55	5.50	2	21.5	73	28	2	
SE 145TH ST		16				2						30	3.00	0	21.0	74	0	0	
NE 97TH STREET RD		16				2						30	3.00	0	21.0	74	107	19	
NW 40TH AVE		16				2						20	2.00	1	21.0	74	10	2	
S HWY 475		16					4					10	1.00	0	21.0	74	31	3	
SE HWY 450		16				2						30	3.00	0	21.0	74	10	4	
SW 38TH ST			12			2						70	7.00	0	21.0	74	6	6	
NW 60TH AVE			12			2						30	2.96	4	21.0	80	9	7	
SE 175TH ST			12			2						38	3.80	3	20.8	81	7	0	
NE 14TH STREET RD			12			2						28	2.78	4	20.8	82	1	2	
BAY RD			12			2						58	5.75	1	20.8	83	1	0	
SW 114TH CT			12			2						58	5.75	1	20.8	83	1	3	
SW SHOREWOOD DR			12			2						68	6.75	0	20.8	83	0	0	
SW 19TH AVENUE RD		16				2						27	2.67	0	20.7	86	18	1	
NE 63RD ST			12			2						56	5.60	1	20.6	87	5	4	
SW 7TH AVE		16				2						16	1.57	1	20.6	88	0	4	
NE 25TH AVE		16				2						15	1.50	1	20.5	89	23	3	
SE 110TH STREET RD		16				2						25	2.50	0	20.5	89	5	7	MP-40
NE 150TH AVENUE RD			12			2						15	1.50	5	20.5	89	4	2	
NW 165TH ST			12			2						65	6.50	0	20.5	89	26	0	
NE 1ST STREET RD			12			2						64	6.42	0	20.4	93	2	2	
SE 52ND CT			12			2						64	6.38	0	20.4	94	4	3	
NW 120TH AVENUE RD			12			2						32	3.21	3	20.2	95	88	5	
NE 118TH AVENUE RD			12			2						41	4.07	2	20.1	96	5	2	
MARION OAKS CRSE		16					4					0	0.00	0	20.0	97	15	17	
NW 35TH ST		16					4					0	0.00	0	20.0	97	0	1	
SW 95TH ST		16					4					0	0.00	0	20.0	97	15	1	
VILLAGES BUENA VISTA BLVD		16					4					0	0.00	0	20.0	97	0	9	MP-52
NE 225TH ST			12			2						48	4.83	1	19.8	101	0	0	
SE 112TH STREET RD			12			2						58	5.75	0	19.8	102	0	0	
SE 49TH STREET RD			12			2						58	5.75	0	19.8	102	2	0	
SW 105TH AVE			12			2						58	5.75	0	19.8	102	0	0	
SW 165TH AVENUE RD			12			2						57	5.69	0	19.7	105	10	14	
SW 35TH ST			12			2						37	3.67	2	19.7	106	22	5	
MARION OAKS TRL		16				2						17	1.67	0	19.7	107	0	6	
SW 110TH ST			12			2						36	3.64	2	19.6	108	2	8	
SW 129TH TERRACE RD			12			2						36	3.64	2	19.6	109	35	17	
SW 27TH ST			12			2						56	5.58	0	19.6	110	2	10	
NW 95TH ST		16				2						15	1.50	0	19.5	111	46	1	
NE 212TH STREET RD			12			2						25	2.50	3	19.5	111	6	0	
SE 141ST AVENUE RD			12			2						55	5.50	0	19.5	111	29	0	
NE 160TH AVENUE RD			12			2						54	5.39	0	19.4	114	15	9	
SE 38TH ST			12				4					24	2.39	1	19.4	114	5	1	
SW 80TH ST			12			2						24	2.39	3	19.4	116	14	35	

TABLE A-4
STORMWATER MAINTENANCE STRATEGIC PLAN
PIPE SWALE RESTORATION PROJECT PRIORITIZATION SCORING

ROUTE	ROAD CLASSIFICATION					TRAFFIC COUNT						AVERAGE PIPE PERCENT FULL (1 POINT PER 10%)		PIPE & SWALE STATUS	SCORING CONCLUSION		CARTEGRAPH		Maintenance Project #
	Arterial (20)	Collector (16)	Major Local (12)	Minor Local (8)	Subdivision Local (4)	0-5,000 (2)	5,001-10,000 (4)	10,001-15,000 (8)	15,001-20,000 (12)	20,001-25,000 (16)	25,000 + (20)	AVERAGE PERCENT FULL IN PIPE (%)	AVERAGE PERCENT FULL IN PIPE (POINTS)	No. of 30% or > in FEMA/GWIS Flood Zone	Total	Rank	Work Orders	Service Requests	
MIDWAY RD			12			2						44	4.36	1	19.4	117	2	0	
ORANGE RD			12			2						33	3.33	2	19.3	118	0	0	
ALMOND RD			12			2						43	4.27	1	19.3	119	1	2	
NE 35TH ST			12				4					23	2.25	1	19.3	120	7	13	
SW RIDGEWOOD RD			12			2						53	5.25	0	19.3	120	14	1	
N HWY 314A		16				2						10	1.00	0	19.0	122	31	5	
NE 243RD PLACE RD			12			2						50	5.00	0	19.0	122	11	1	
SW 85TH AVE			12			2						30	3.00	2	19.0	122	9	2	
SE 24TH ST			12			2						39	3.88	1	18.9	125	25	1	
CHESTNUT RD			12			2						49	4.86	0	18.9	126	5	0	
NE 125TH TERRACE RD			12			2						48	4.83	0	18.8	127	6	0	
NE 40TH AVENUE RD			12			2						48	4.83	0	18.8	127	1	0	
SE SUNSET HARBOR RD			12			2						28	2.80	2	18.8	129	5	2	
SW BREEZY POINT DR			12			2						38	3.80	1	18.8	129	0	0	
SE 113TH STREET RD			12			2						37	3.69	1	18.7	131	6	3	
SILVER RD			12			2						47	4.66	0	18.7	132	9	7	
MARION OAKS BLVD			12			2						26	2.63	2	18.6	133	1	3	
OAK RD			12			2						36	3.60	1	18.6	134	3	4	
SE 132ND PL			12			2						45	4.50	0	18.5	135	28	1	
SW 20TH AVENUE RD			12			2						25	2.48	2	18.5	136	16	3	
NW 13TH ST			12			2						43	4.33	0	18.3	137	3	1	
TEAK RD			12			2						43	4.29	0	18.3	138	5	3	
NE 45TH AVENUE RD			12			2						43	4.25	0	18.3	139	1	2	
NW 122ND TER			12			2						43	4.25	0	18.3	139	0	2	
SE HWY 25A			12			2						42	4.21	0	18.2	141	35	3	
EMERALD RD			12			2						42	4.18	0	18.2	142	0	16	
NE 145TH AVENUE RD			12			2						42	4.17	0	18.2	143	6	3	
NE 127TH STREET RD		16				2						0	0.00	0	18.0	144	1	12	
NE 203RD AVENUE RD		16				2						0	0.00	0	18.0	144	0	1	
NE 230TH AVE		16				2						0	0.00	0	18.0	144	23	1	
NE 47TH AVE		16				2						0	0.00	0	18.0	144	12	2	
NW 38TH AVE		16				2						0	0.00	0	18.0	144	1	12	
NW 3RD ST		16				2						0	0.00	0	18.0	144	0	1	
SE 147TH PL		16				2						0	0.00	0	18.0	144	2	2	
SE 147TH ST		16				2						0	0.00	0	18.0	144	96	1	
SW 38TH AVE		16				2						0	0.00	0	18.0	144	23	1	
SW 3RD ST		16				2						0	0.00	0	18.0	144	0	2	
SW 40TH AVE		16				2						0	0.00	0	18.0	144	0	1	
SW 90TH ST		16				2						0	0.00	0	18.0	144	0	6	
NE 170TH ST			12			2						30	3.00	1	18.0	144	31	0	
NW 112TH PLACE RD			12			2						30	3.00	1	18.0	144	4	0	
SW 210TH AVE			12			2						30	3.00	1	18.0	144	0	0	
SW 40TH AVE			12			2						30	3.00	1	18.0	144	0	0	
SW 9TH STREET RD			12			2						30	3.00	1	18.0	144	0	0	MP-50
NW 110TH AVE			12			2						19	1.93	2	17.9	161	1	3	
SW TIGER LAKE BLVD			12			2						38	3.79	0	17.8	162	0	0	
NE 148TH TERRACE RD			12			2						27	2.67	1	17.7	163	2	4	
NE 172ND PL			12			2						37	3.67	0	17.7	163	1	1	
NW 77TH ST			12				4					17	1.67	0	17.7	163	0	0	
SE 92ND CT			12			2						27	2.67	1	17.7	163	61	4	
SE 50TH TER			12			2						16	1.62	2	17.6	167	5	0	
NW 60TH ST			12				4					6	0.57	1	17.6	168	5	0	
NE 49TH ST			12			2						35	3.50	0	17.5	169	23	13	
NW 100TH AVE			12			2						15	1.50	2	17.5	169	22	1	MP-49
SW 102ND STREET RD			12			2						24	2.42	1	17.4	171	1	0	
SE 59TH ST			12			2						24	2.40	1	17.4	172	23	3	
NE 148TH TER			12			2						24	2.38	1	17.4	173	3	5	
NE 105TH ST			12			2						23	2.30	1	17.3	174	5	2	

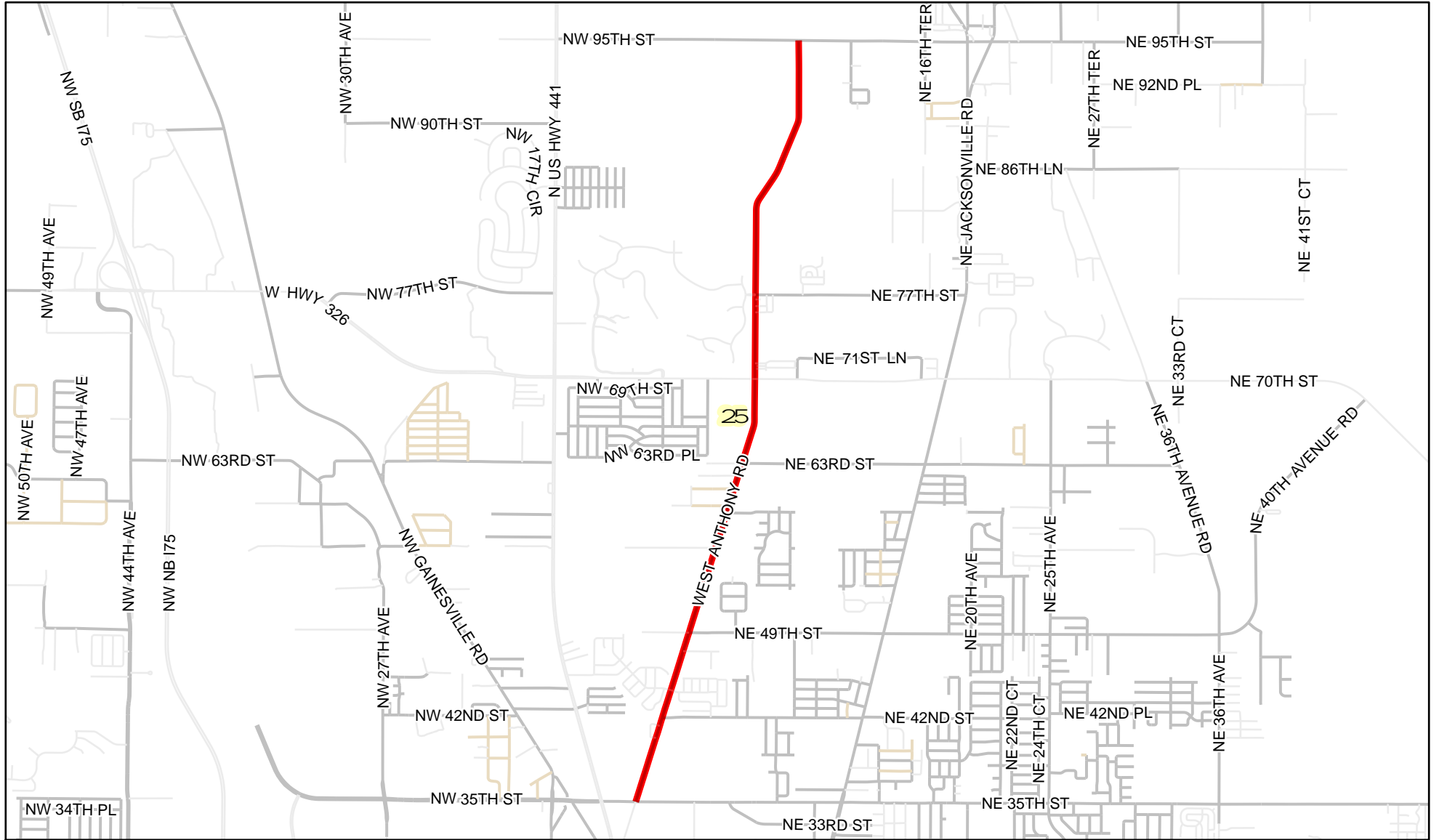
**TABLE A-4
STORMWATER MAINTENANCE STRATEGIC PLAN
PIPE SWALE RESTORATION PROJECT PRIORITIZATION SCORING**

ROUTE	ROAD CLASSIFICATION					TRAFFIC COUNT						AVERAGE PIPE PERCENT FULL (1 POINT PER 10%)		PIPE & SWALE STATUS No. of 30% or > in FEMA/GWIS Flood Zone	SCORING CONCLUSION		CARTEGRAPH		Maintenance Project #
	Arterial (20)	Collector (16)	Major Local (12)	Minor Local (8)	Subdivision Local (4)	0-5,000 (2)	5,001- 10,000 (4)	10,001- 15,000 (8)	15,001- 20,000 (12)	20,001- 25,000 (16)	25,000 + (20)	AVERAGE PERCENT FULL IN PIPE (%)	AVERAGE PERCENT FULL IN PIPE (POINTS)		Total	Rank	Work Orders	Service Requests	
NE 46TH ST			12			2						23	2.25	1	17.3	175	100	2	
NW 90TH AVE			12			2						13	1.25	2	17.3	175	2	10	
SW 7TH AVENUE RD			12			2						22	2.18	1	17.2	177	13	8	
SW 29TH AVENUE RD			12			2						21	2.10	1	17.1	178	9	0	
SE TIMUCUAN RD			12			2						21	2.06	1	17.1	179	2	3	
NE 20TH TERRACE RD			12			2						30	3.00	0	17.0	180	6	0	
NE 35TH AVENUE RD			12			2						30	3.00	0	17.0	180	1	2	
SE 115TH AVE			12			2						30	3.00	0	17.0	180	4	0	
SE 125TH TERRACE RD			12			2						30	3.00	0	17.0	180	1	0	
SE 160TH AVENUE RD			12			2						20	2.00	1	17.0	180	0	0	
SE 18TH ST			12			2						30	3.00	0	17.0	180	52	0	
SE 25TH AVE			12			2						30	3.00	0	17.0	180	35	9	
SE 35TH ST			12			2						30	3.00	0	17.0	180	1	0	
SE 4TH PL			12			2						30	3.00	0	17.0	180	1	0	
SE 5TH ST			12			2						30	3.00	0	17.0	180	0	0	
SE 79TH ST			12			2						30	3.00	0	17.0	180	9	0	
SW 99TH PL			12			2						30	3.00	0	17.0	180	1	2	
SW MARINE BLVD			12			2						30	3.00	0	17.0	180	13	3	
SW RAINBOW LAKES BLVD			12			2						30	3.00	0	17.0	180	3	1	
SW 88TH PLACE RD			12			2						30	2.97	0	17.0	194	1	8	
MARION OAKS TRL			12			2						19	1.93	1	16.9	195	0	3	MP-51
SW 36TH AVENUE RD			12			2						29	2.92	0	16.9	196	31	0	
SW 7TH AVE			12			2						16	1.57	1	16.6	197	0	20	
CHERRY RD			12			2						15	1.50	1	16.5	198	10	8	
HICKORY RD			12			2						25	2.50	0	16.5	198	1	0	
SE 90TH CT			12			2						25	2.50	0	16.5	198	20	0	
SE 52ND AVE			12			2						24	2.38	0	16.4	201	1	4	
MARION OAKS DR			12			2						21	2.06	0	16.1	202	2	2	
NW 45TH AVE			12				4					0	0.00	0	16.0	203	12	5	
NW 63RD ST			12			2						20	2.00	0	16.0	203	38	8	
SE 44TH AVENUE RD			12				4					0	0.00	0	16.0	203	37	3	
SW 107TH STREET RD			12			2						20	2.00	0	16.0	203	0	0	
SW 38TH AVE			12			2						10	1.00	1	16.0	203	23	2	MP-50
SW 72ND TERRACE RD			12			2						20	2.00	0	16.0	203	0	0	
SW 95TH AVENUE RD			12			2						6	0.60	1	15.6	209	0	1	
MARION OAKS PASS			12			2						5	0.55	1	15.5	210	1	2	
MARION OAKS TRL			12			2						15	1.50	0	15.5	211	1	8	
SE 84TH AVE			12			2						15	1.50	0	15.5	211	3	2	
SW 43RD STREET RD			12			2						15	1.50	0	15.5	211	2	0	
NE 42ND PL			12			2						14	1.38	0	15.4	214	10	8	
SW 128TH AVE			12			2						14	1.36	0	15.4	215	0	2	
MARION OAKS CRSE			12			2						11	1.10	0	15.1	216	15	8	
SW 61ST PLACE RD			12			2						1	0.10	1	15.1	216	5	9	
NE 227TH PLACE RD			12			2						10	1.00	0	15.0	218	0	0	
NW 95TH AVENUE RD			12			2						10	1.00	0	15.0	218	1	0	MP-49
SE 126TH PL			12			2						10	1.00	0	15.0	218	1	3	
SE 73RD AVE			12			2						10	1.00	0	15.0	218	7	1	
SE 83RD TER			12			2						10	1.00	0	15.0	218	4	0	
SW 41ST PL			12			2						8	0.75	0	14.8	223	2	1	
MARION OAKS LN			12			2						5	0.54	0	14.5	224	0	4	
SW 83RD PLACE RD			12			2						5	0.50	0	14.5	225	0	5	
SW 135TH STREET RD			12			2						4	0.38	0	14.4	226	0	0	
MARION OAKS LN			12			2						0	0.00	0	14.0	227	1	4	MP-47
N MAGNOLIA AVE			12			2						0	0.00	0	14.0	227	10	2	
NE 103RD COURT RD			12			2						0	0.00	0	14.0	227	0	0	
NE 106TH AVE			12			2						0	0.00	0	14.0	227	0	0	
NE 10TH STREET RD			12			2						0	0.00	0	14.0	227	7	0	
NE 110TH AVE			12			2						0	0.00	0	14.0	227	0	0	


**TABLE A-4
STORMWATER MAINTENANCE STRATEGIC PLAN
PIPE SWALE RESTORATION PROJECT PRIORITIZATION SCORING**


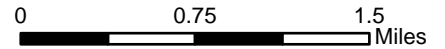
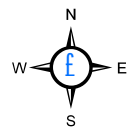
ROUTE	ROAD CLASSIFICATION					TRAFFIC COUNT						AVERAGE PIPE PERCENT FULL (1 POINT PER 10%)		PIPE & SWALE STATUS No. of 30% or > in FEMA/GWIS Flood Zone	SCORING CONCLUSION		CARTEGRAPH		Maintenance Project #
	Arterial (20)	Collector (16)	Major Local (12)	Minor Local (8)	Subdivision Local (4)	0-5,000 (2)	5,001- 10,000 (4)	10,001- 15,000 (8)	15,001- 20,000 (12)	20,001- 25,000 (16)	25,000 + (20)	AVERAGE PERCENT FULL IN PIPE (%)	AVERAGE PERCENT FULL IN PIPE (POINTS)		Total	Rank	Work Orders	Service Requests	
NE 110TH CT			12			2						0	0.00	0	14.0	227	0	0	
NE 112TH TER			12			2						0	0.00	0	14.0	227	0	0	
NE 147TH AVENUE RD			12			2						0	0.00	0	14.0	227	12	0	
NE 150TH AVE			12			2						0	0.00	0	14.0	227	8	1	
NE 153RD AVE			12			2						0	0.00	0	14.0	227	0	1	
NE 165TH ST			12			2						0	0.00	0	14.0	227	3	0	
NE 222ND PLACE RD			12			2						0	0.00	0	14.0	227	0	0	
NE 36TH AVE			12			2						0	0.00	0	14.0	227	7	1	
NE 52ND CT			12			2						0	0.00	0	14.0	227	15	2	
NE 60TH CT			12			2						0	0.00	0	14.0	227	0	1	
NE 63RD CT			12			2						0	0.00	0	14.0	227	0	0	
NW 120TH ST			12			2						0	0.00	0	14.0	227	29	5	
NW 210TH AVE			12			2						0	0.00	0	14.0	227	5	0	
NW 62ND ST			12			2						0	0.00	0	14.0	227	0	0	
NW RIDGEWOOD RD			12			2						0	0.00	0	14.0	227	0	0	
SE 100TH ST			12			2						0	0.00	0	14.0	227	0	1	
SE 109TH LN			12			2						0	0.00	0	14.0	227	0	0	
SE 114TH STREET RD			12			2						0	0.00	0	14.0	227	16	2	
SE 156TH PLACE RD			12			2						0	0.00	0	14.0	227	0	0	
SE 1ST ST			12			2						0	0.00	0	14.0	227	2	0	
SE 61ST CT			12			2						0	0.00	0	14.0	227	2	0	
SE AGNEW RD			12			2						0	0.00	0	14.0	227	0	0	
SW 119TH CT			12			2						0	0.00	0	14.0	227	0	1	
SW 126TH TER			12			2						0	0.00	0	14.0	227	0	0	
SW 140TH ST			12			2						0	0.00	0	14.0	227	0	0	
SW 145TH ST			12			2						0	0.00	0	14.0	227	10	5	
SW 150TH ST			12			2						0	0.00	0	14.0	227	2	0	
SW 161ST COURT RD			12			2						0	0.00	0	14.0	227	11	2	
SW 165TH ST			12			2						0	0.00	0	14.0	227	0	0	
SW 189TH COURT RD			12			2						0	0.00	0	14.0	227	0	0	
SW 36TH ST			12			2						0	0.00	0	14.0	227	1	0	
SW 50TH TER			12			2						0	0.00	0	14.0	227	2	0	
SW 58TH CIR			12			2						0	0.00	0	14.0	227	1	0	
SW 63RD TER			12			2						0	0.00	0	14.0	227	0	0	
SW 67TH AVE			12			2						0	0.00	0	14.0	227	8	0	
SW 69TH CT			12			2						0	0.00	0	14.0	227	0	0	
SW 73RD AVENUE RD			12			2						0	0.00	0	14.0	227	0	0	
SW 79TH TER			12			2						0	0.00	0	14.0	227	1	0	
SW 84TH AVENUE RD			12			2						0	0.00	0	14.0	227	5	2	
SW 85TH ST			12			2						0	0.00	0	14.0	227	6	0	MP-50
SW 90TH ST			12			2						0	0.00	0	14.0	227	0	0	MP-50
SW BLUEGILL RD			12			2						0	0.00	0	14.0	227	0	0	
SW HALF MOON DR			12			2						0	0.00	0	14.0	227	0	0	
SW INDIAN HILL DR			12			2						0	0.00	0	14.0	227	0	0	
SW PORTULACA CT			12			2						0	0.00	0	14.0	227	0	0	
SW SEA CLIFF AVE			12			2						0	0.00	0	14.0	227	0	0	
SW TIGER LAKE BLVD W			12			2						0	0.00	0	14.0	227	0	0	

APPENDIX B MAPS



- Legend**
- Road Maintenance**
- County, Paved
 - County, Unpaved
 - County, MSTU, Paved
 - Other

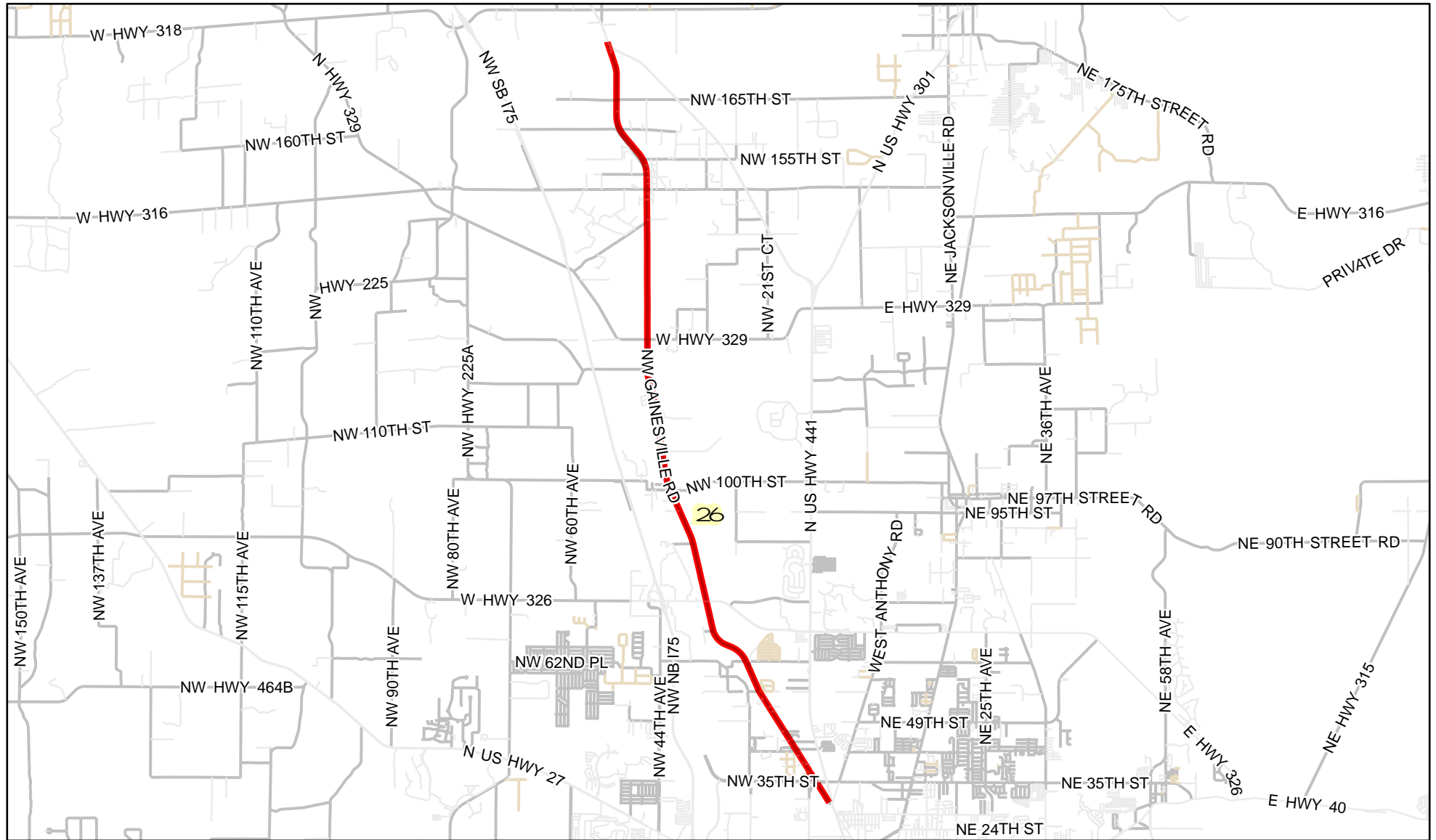
 Pipe & Swale Restoration




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MP 25

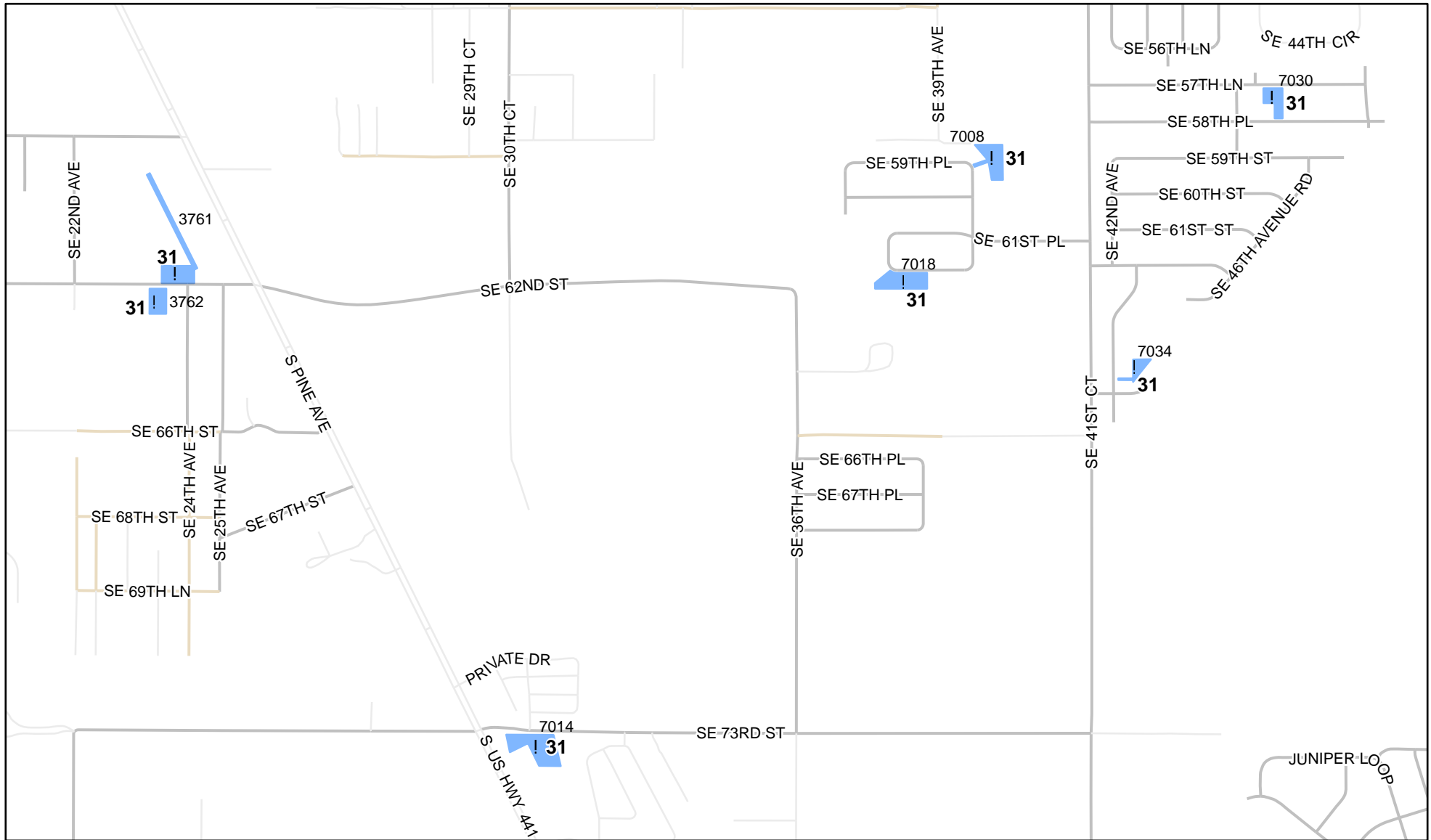


- Legend**
- Road Maintenance**
- Pipe & Swale Restoration
 - County, Paved
 - County, Unpaved
 - County, MSTU, Paved
 - Other


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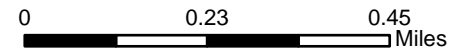
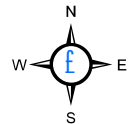
Maintenance Strategic Plan

MP 26



Legend

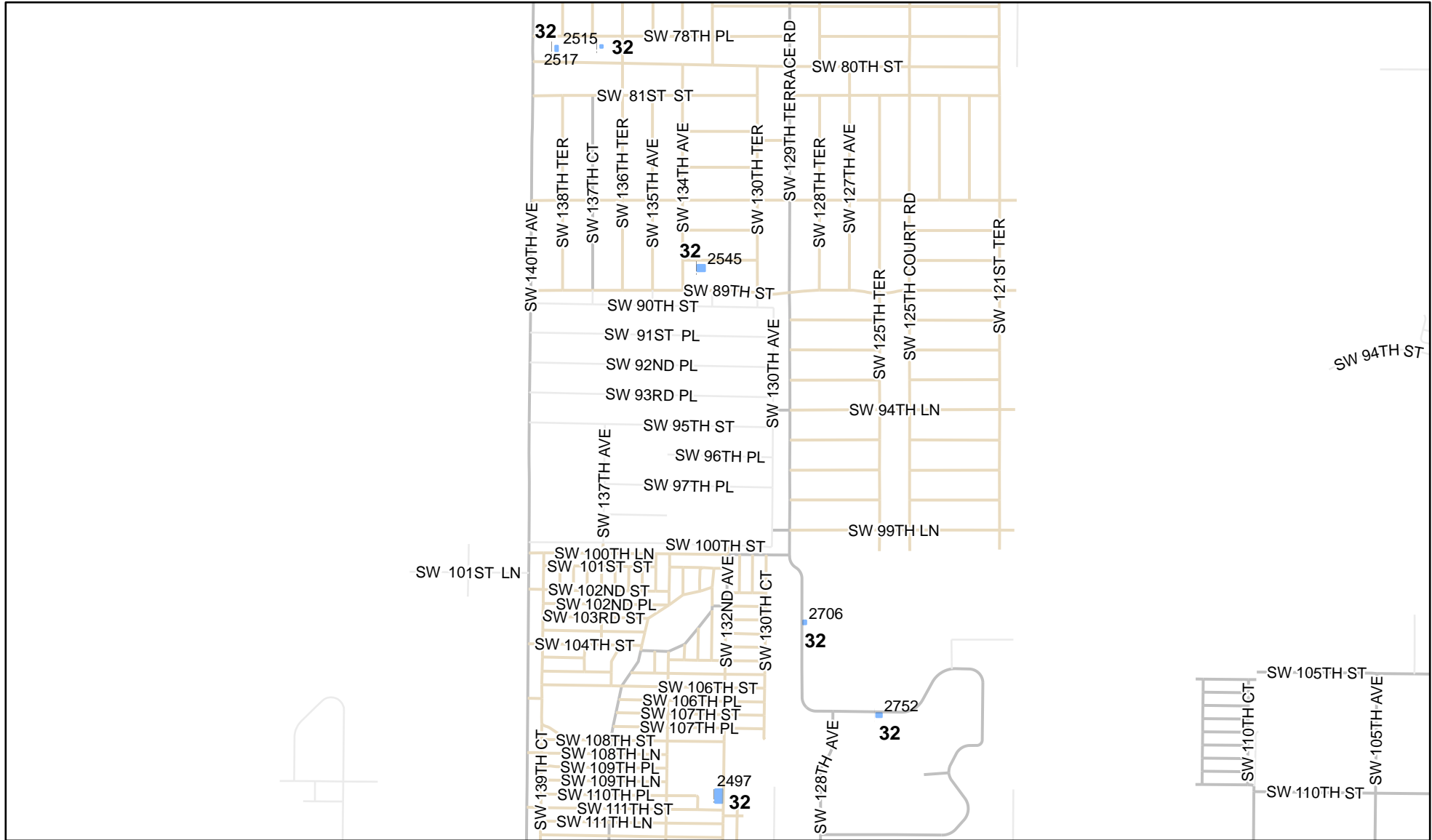
- Road Maintenance**
- County, Paved
 - County, Unpaved
 - County, MSTU, Paved
 - Other
- Drainage Retention Areas
- Major Maintenance & Pipe and Structure



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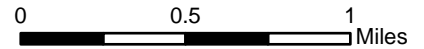
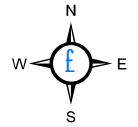
Maintenance Strategic Plan

MP 31



Legend

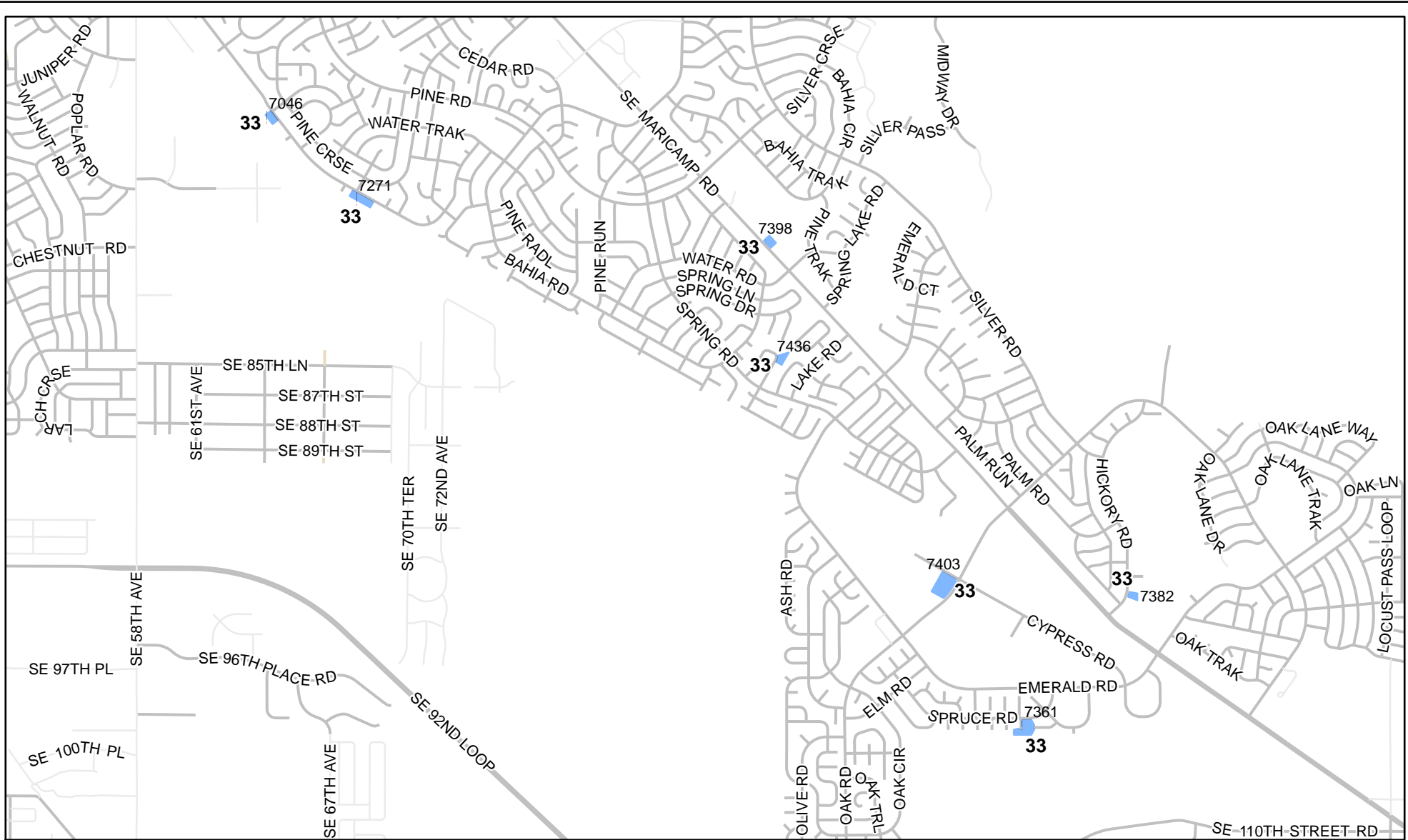
- Road Maintenance**
- County, Paved
 - County, Unpaved
 - County, MSTU, Paved
 - Other
- Drainage Retention Areas
- | Major Maintenance & Pipe and Structure









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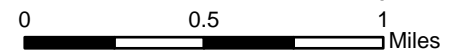
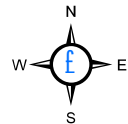
Maintenance Strategic Plan

MP 32



Legend

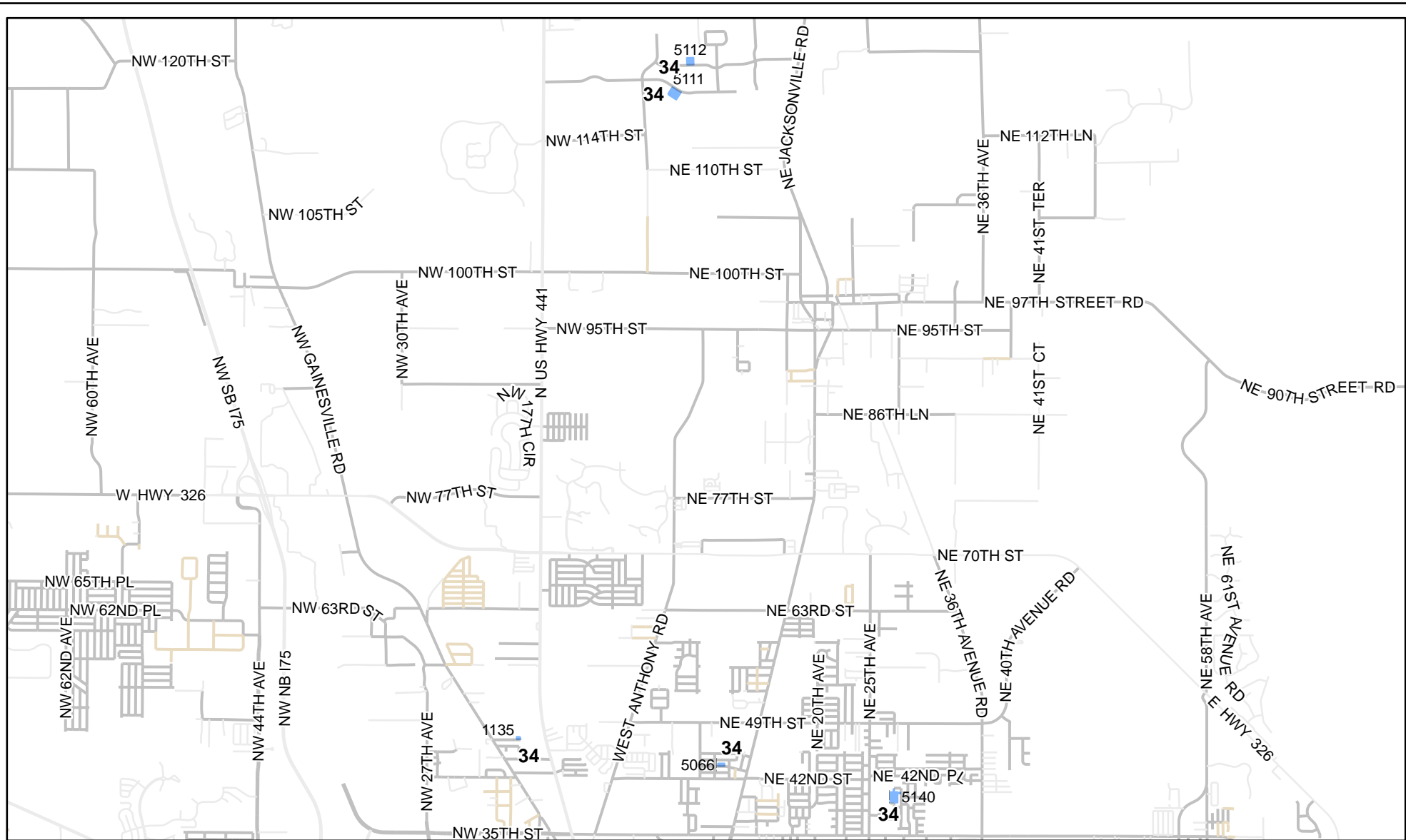
- Road Maintenance**
-  Drainage Retention Areas
 -  Major Maintenance & Pipe and Structure
 -  County, Paved
 -  County, Unpaved
 -  County, MSTU, Paved
 -  Other



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MP 33




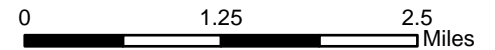
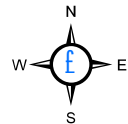
Legend

Road Maintenance

- County, Paved
- County, Unpaved
- County, MSTU, Paved
- Other

 Drainage Retention Areas

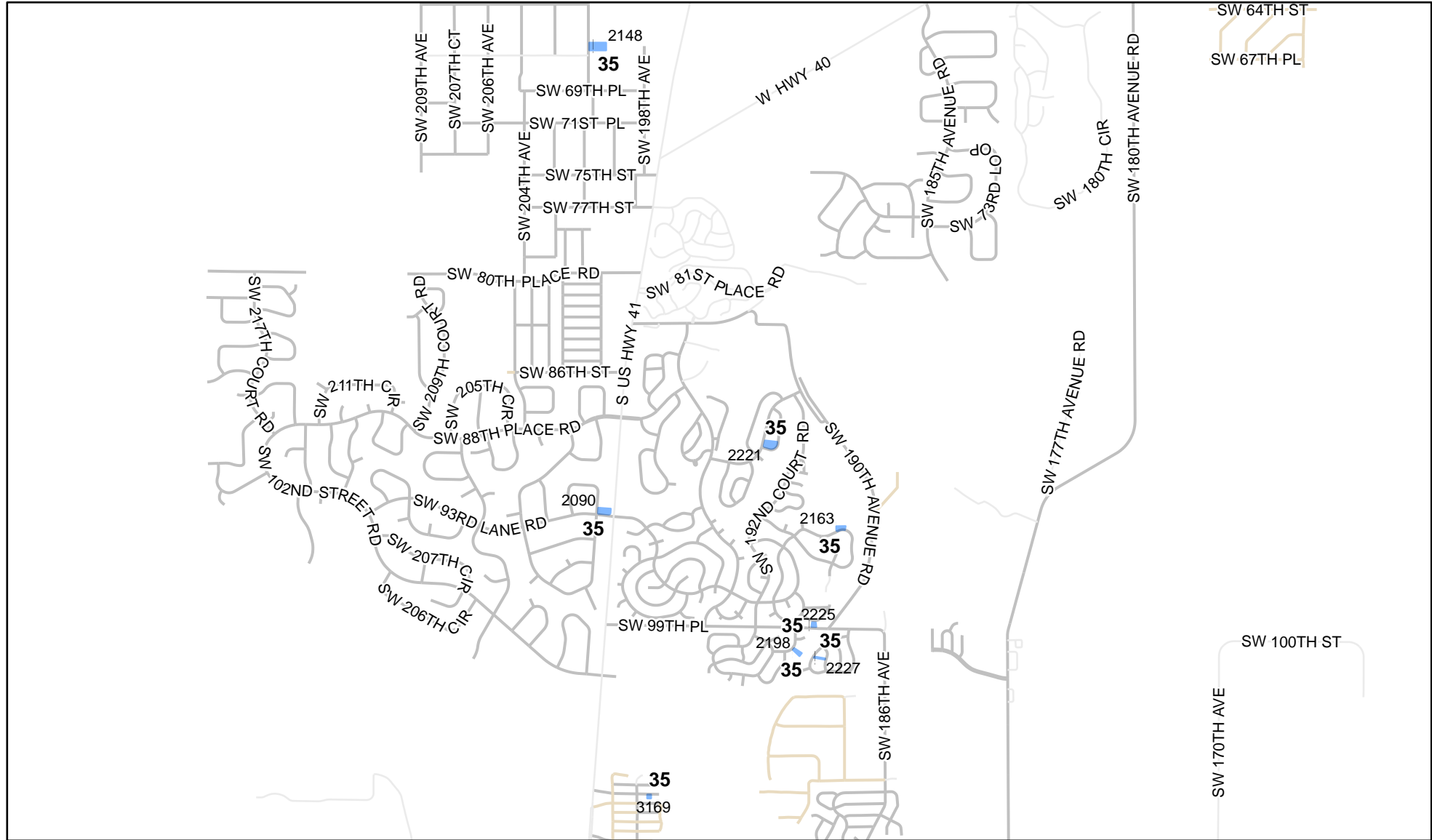
 Major Maintenance & Pipe and Structure



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MP 34



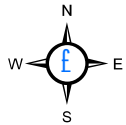
Legend

Road Maintenance

- County, Paved
- County, Unpaved
- County, MSTU, Paved
- Other

Drainage Retention Areas

Major Maintenance & Pipe and Structure



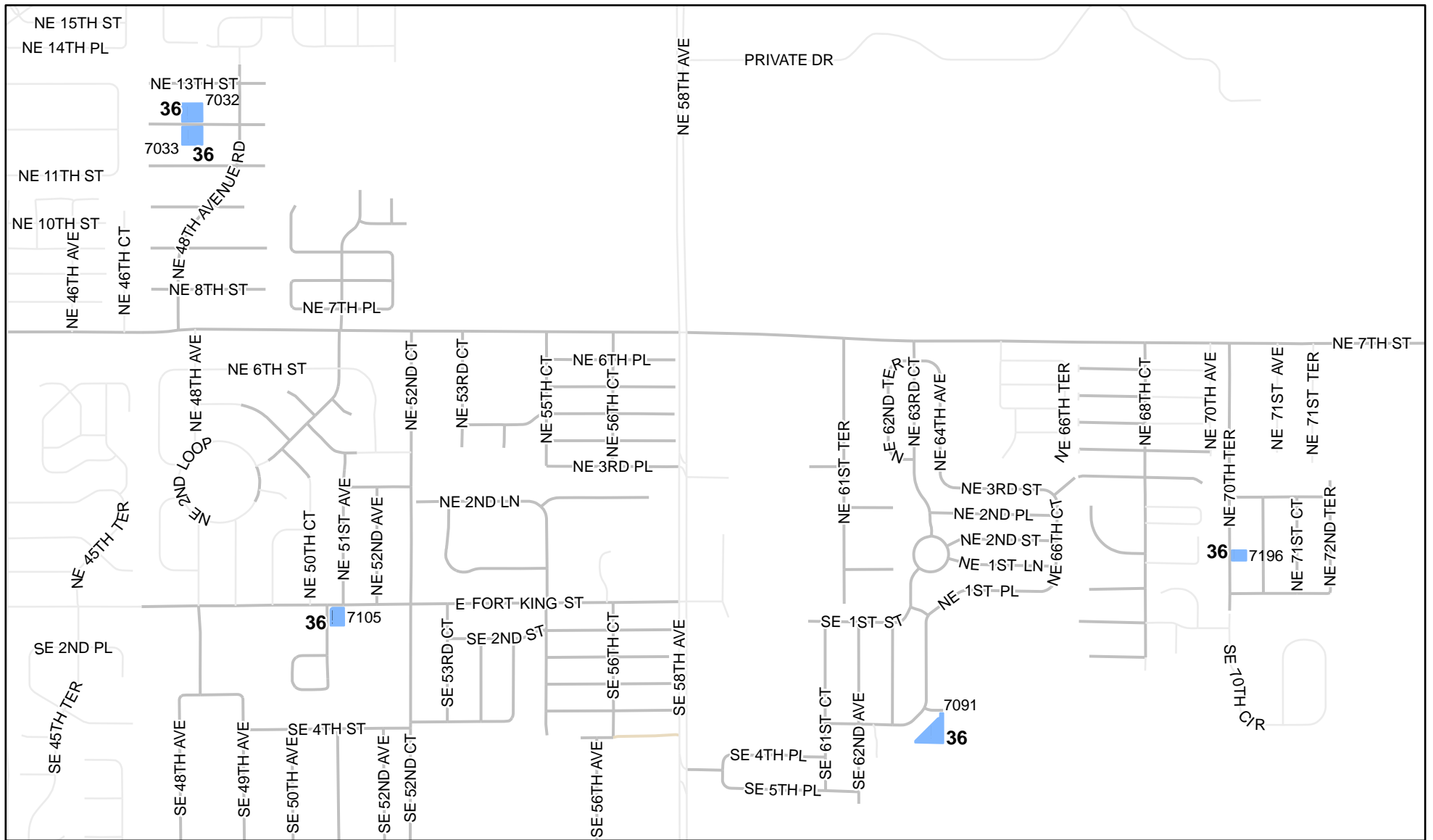
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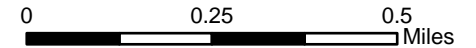
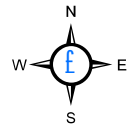
Maintenance Strategic Plan

MP 35



Legend

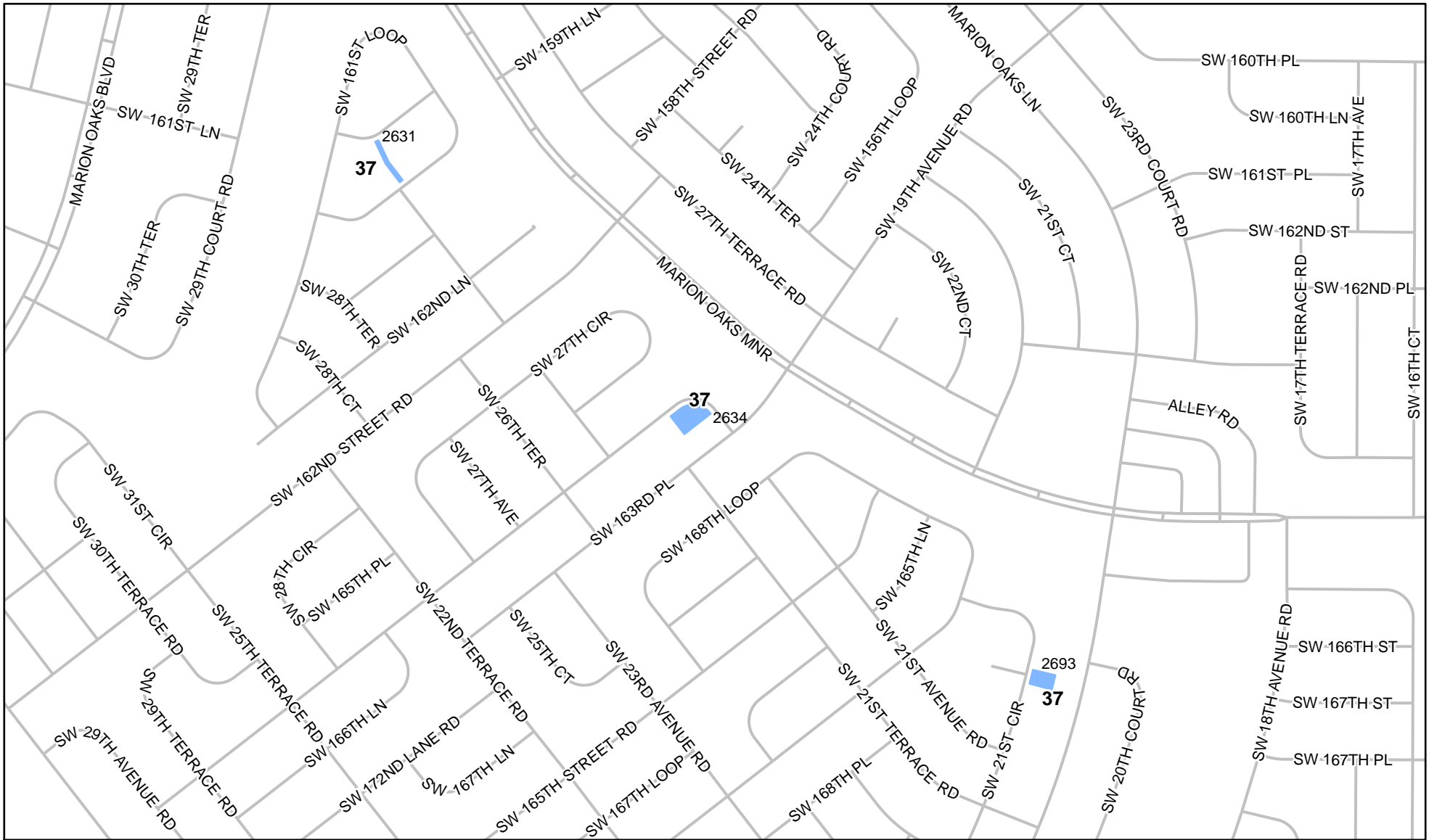
- Road Maintenance**
- County, Paved
 - County, Unpaved
 - County, MSTU, Paved
 - Other
- Drainage Retention Areas
- Major Maintenance & Pipe and Structure



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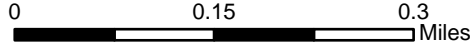
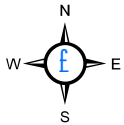
Maintenance Strategic Plan

MP 36



Legend

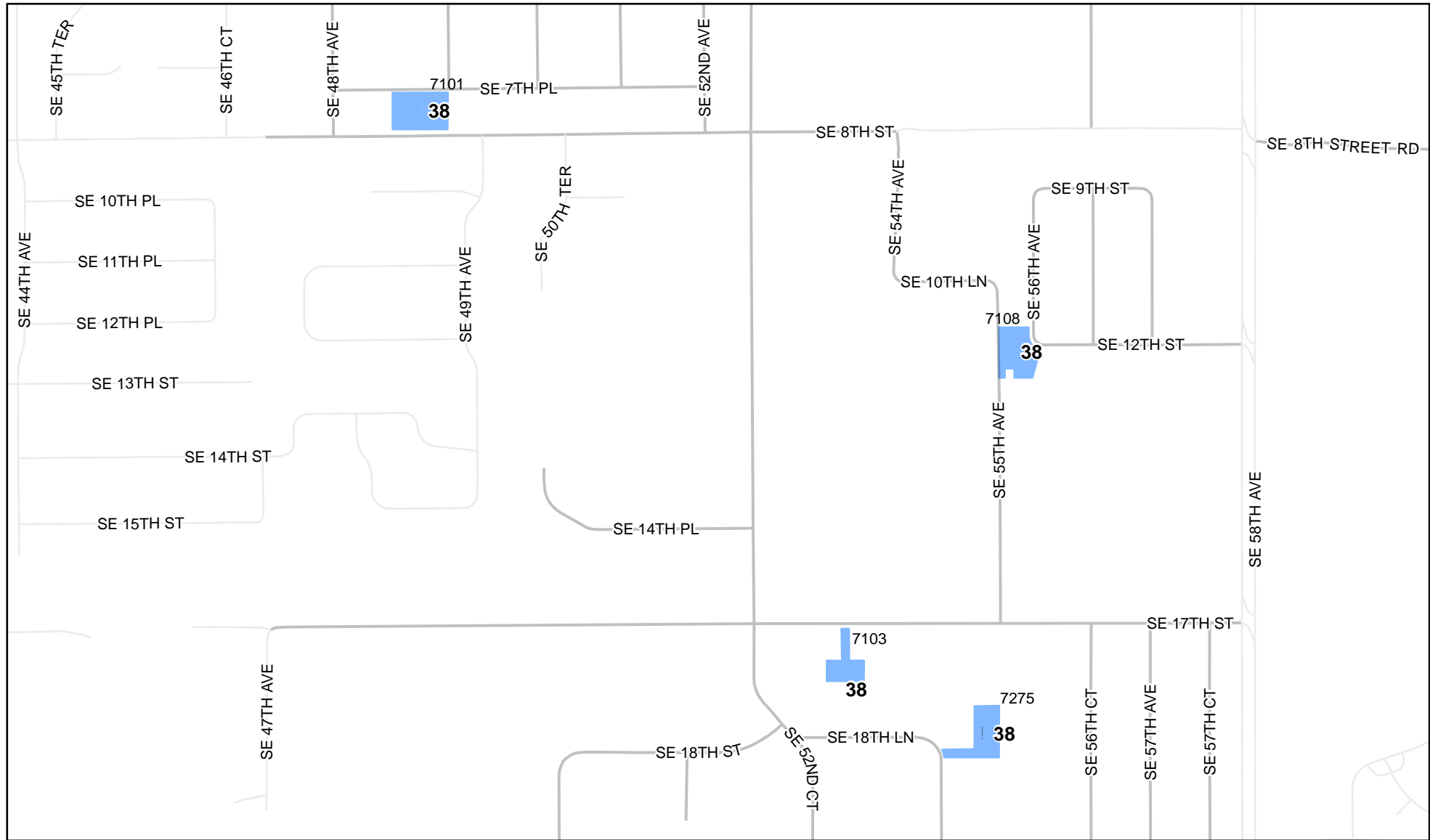
- Road Maintenance**
- County, Paved (grey line)
 - County, Unpaved (orange line)
 - County, MSTU, Paved (yellow line)
 - Other (light grey line)
- Drainage Retention Areas** (blue square)
- Major Maintenance & Pipe and Structure** (vertical dashed line)









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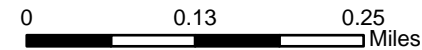
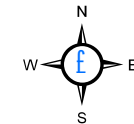
Maintenance Strategic Plan

MP 37



Legend

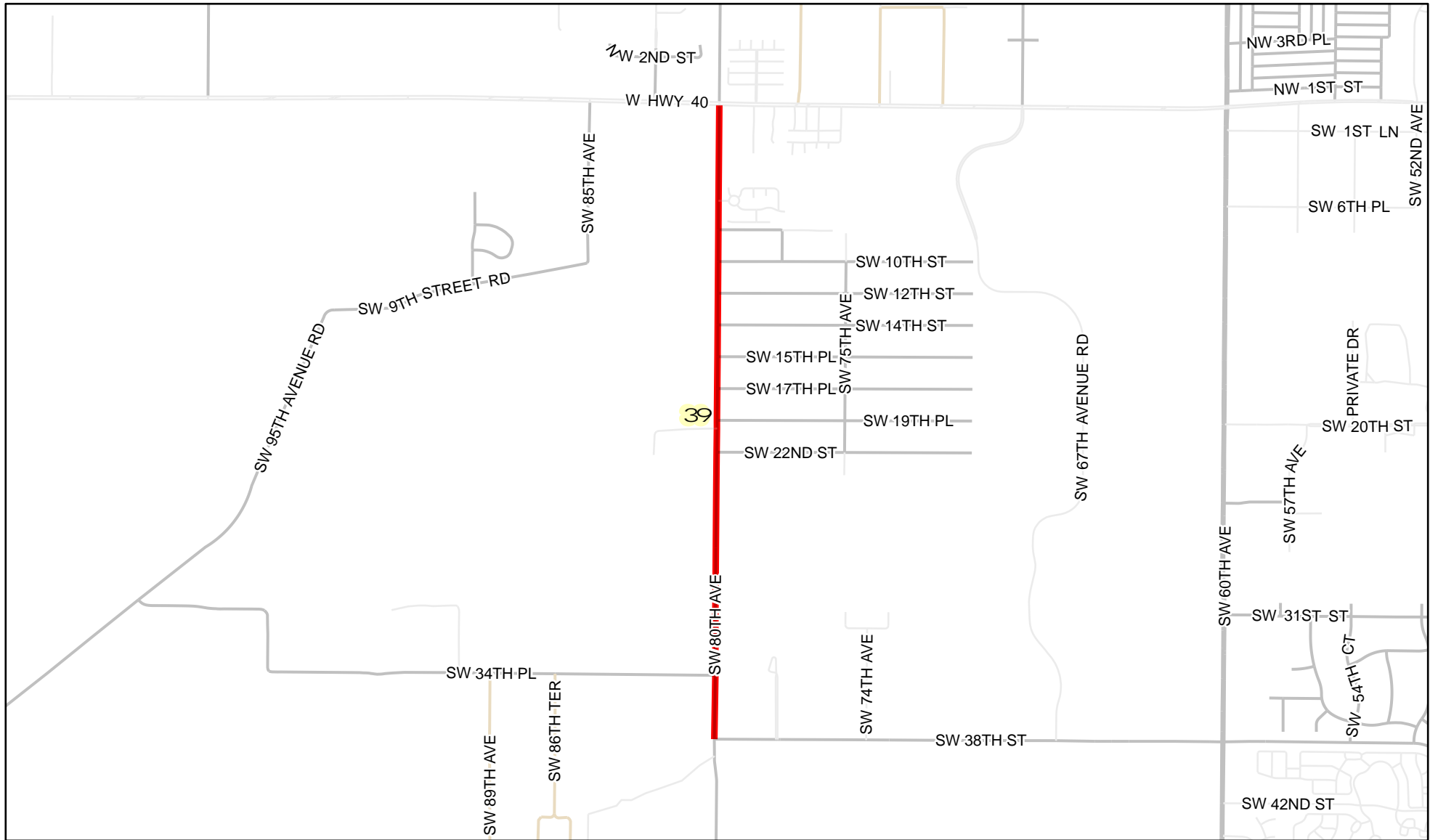
- Road Maintenance**
-  County, Paved
 -  County, Unpaved
 -  County, MSTU, Paved
 -  Other
-  Drainage Retention Areas
-  Major Maintenance & Pipe and Structure



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MP 38

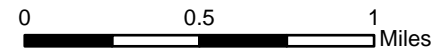
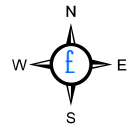


Legend

Road Maintenance

 Pipe & Swale Restoration

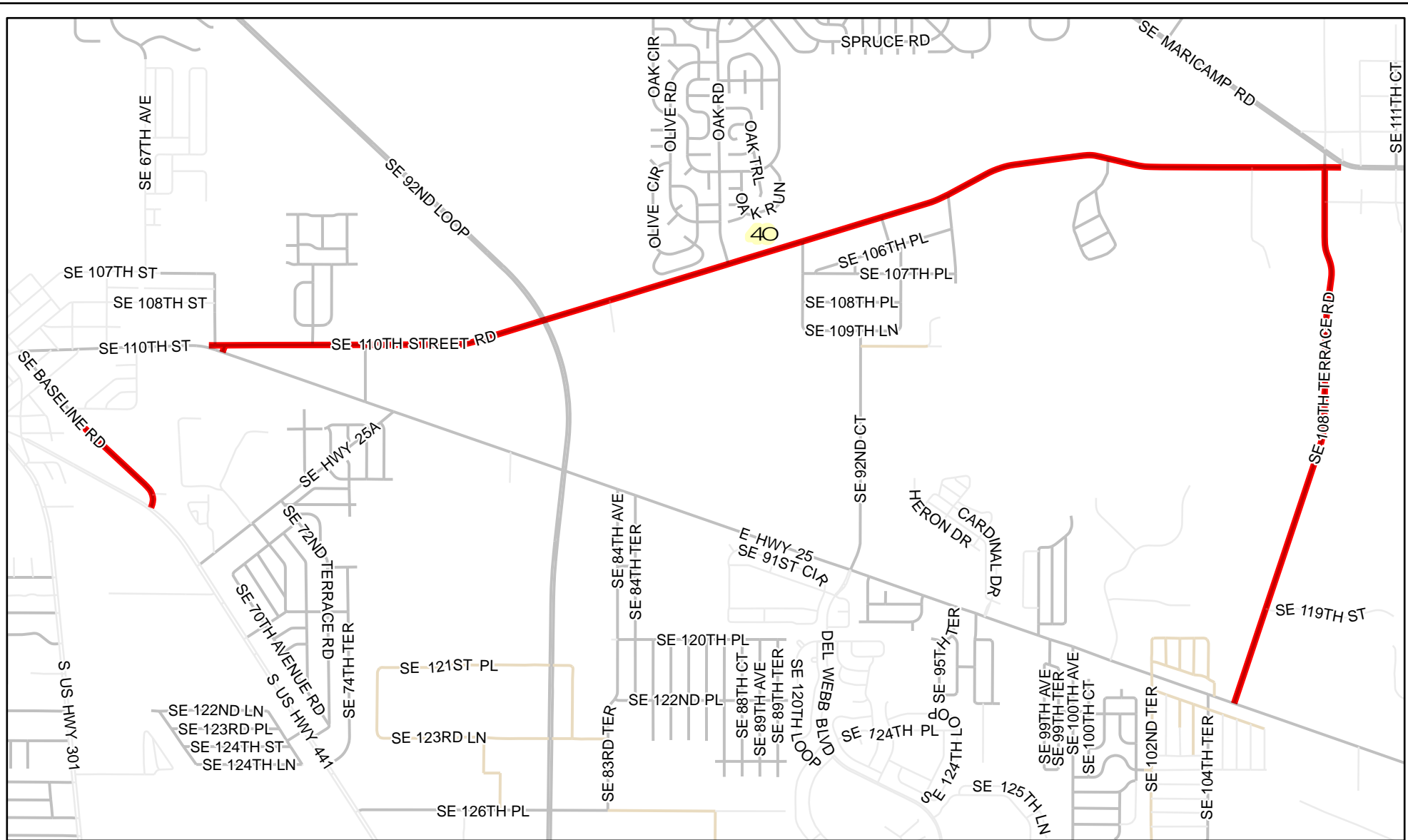
-  County, Paved
-  County, Unpaved
-  County, MSTU, Paved
-  Other



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MP 39



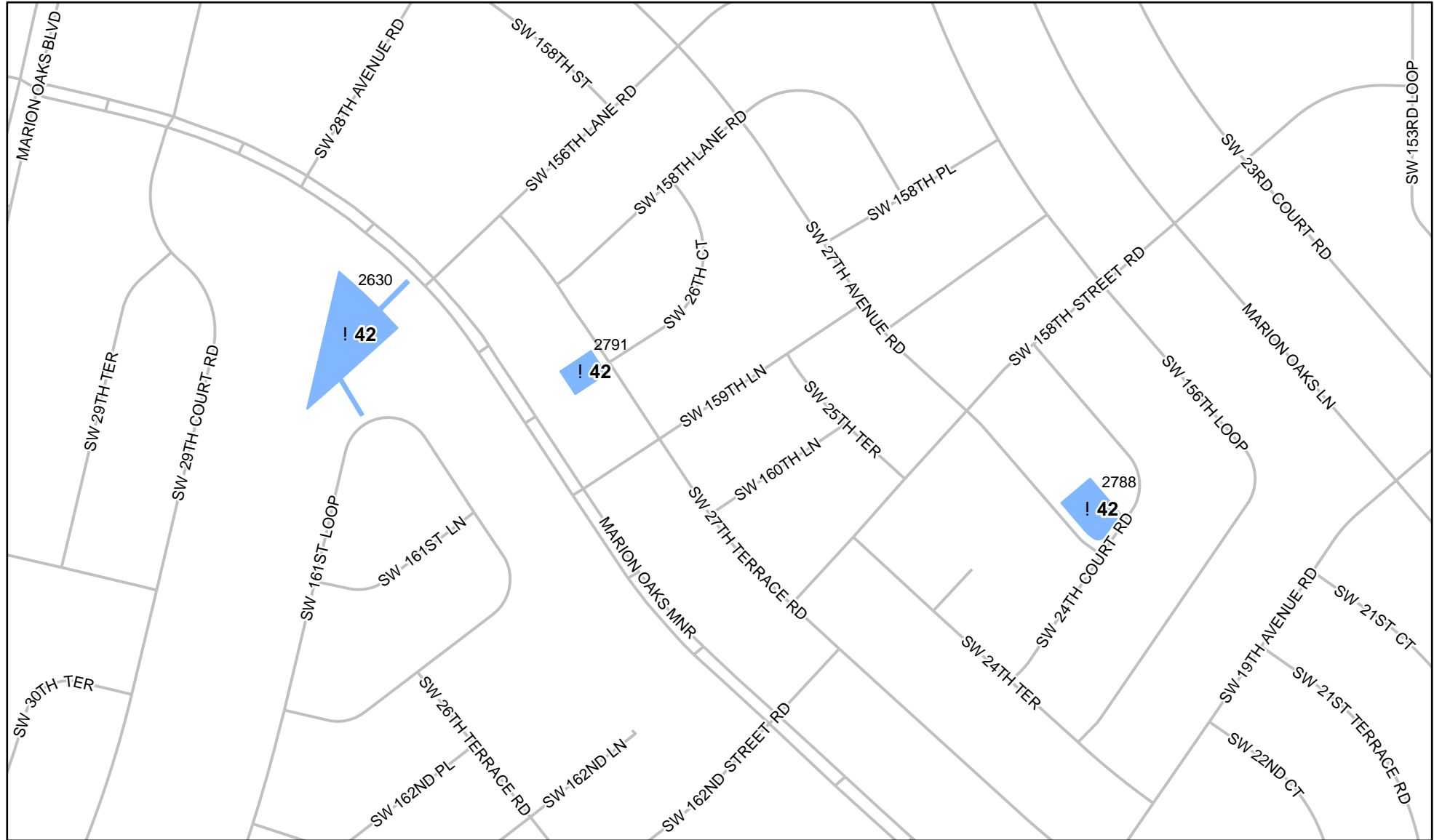
Legend

Road Maintenance

-  Pipe & Swale Restoration
-  County, Paved
-  County, Unpaved
-  County, MSTU, Paved
-  Other

N
W  E
S

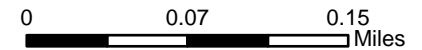
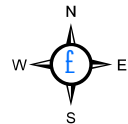
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Miles



Legend

Road Maintenance ■ Drainage Retention Areas ! Major Maintenance & Pipe and Structure

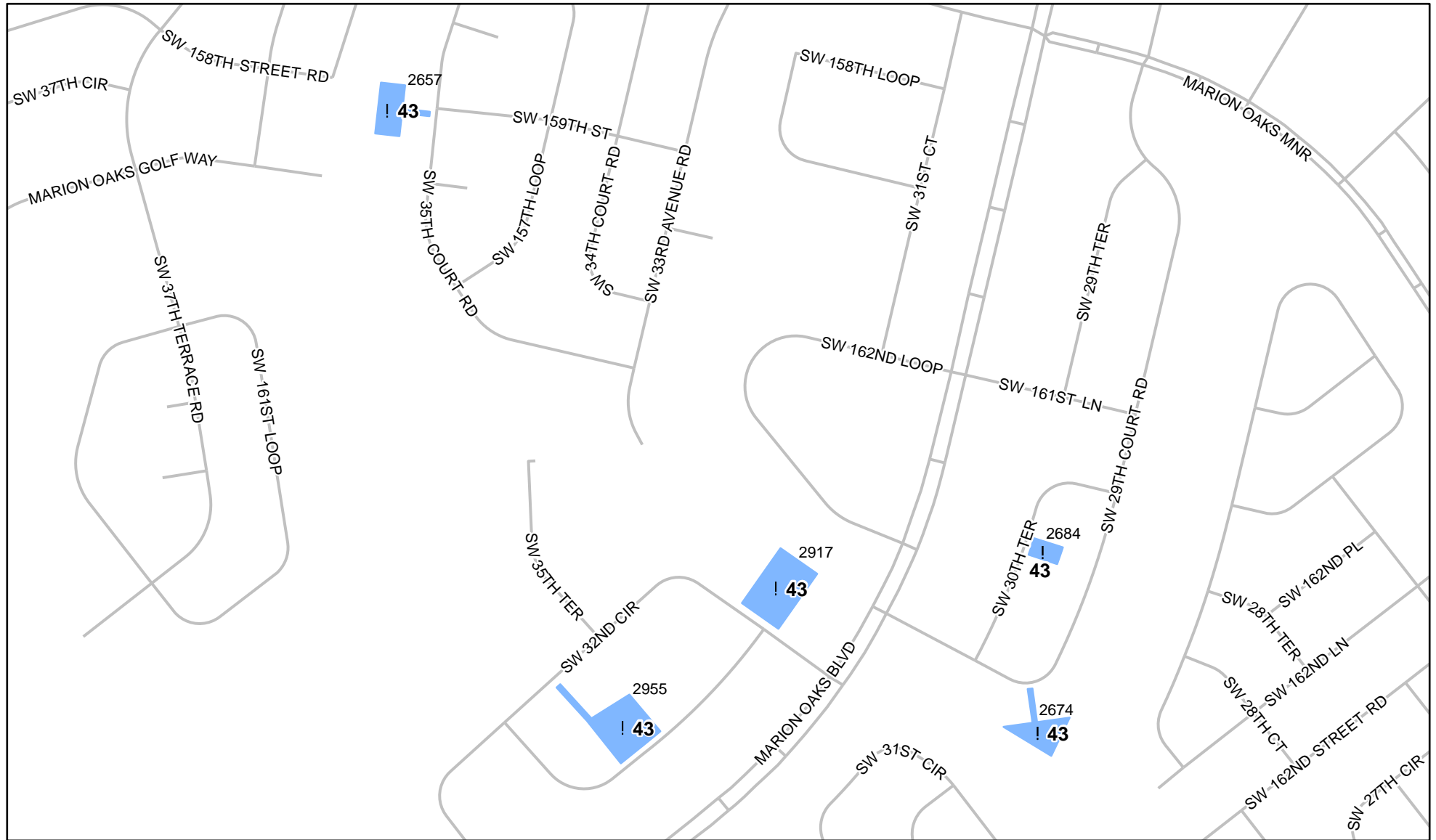
- County, Paved
- County, Unpaved
- County, MSTU, Paved
- Other



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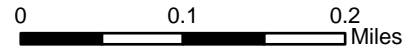
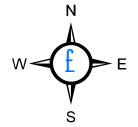
Maintenance Strategic Plan

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Legend

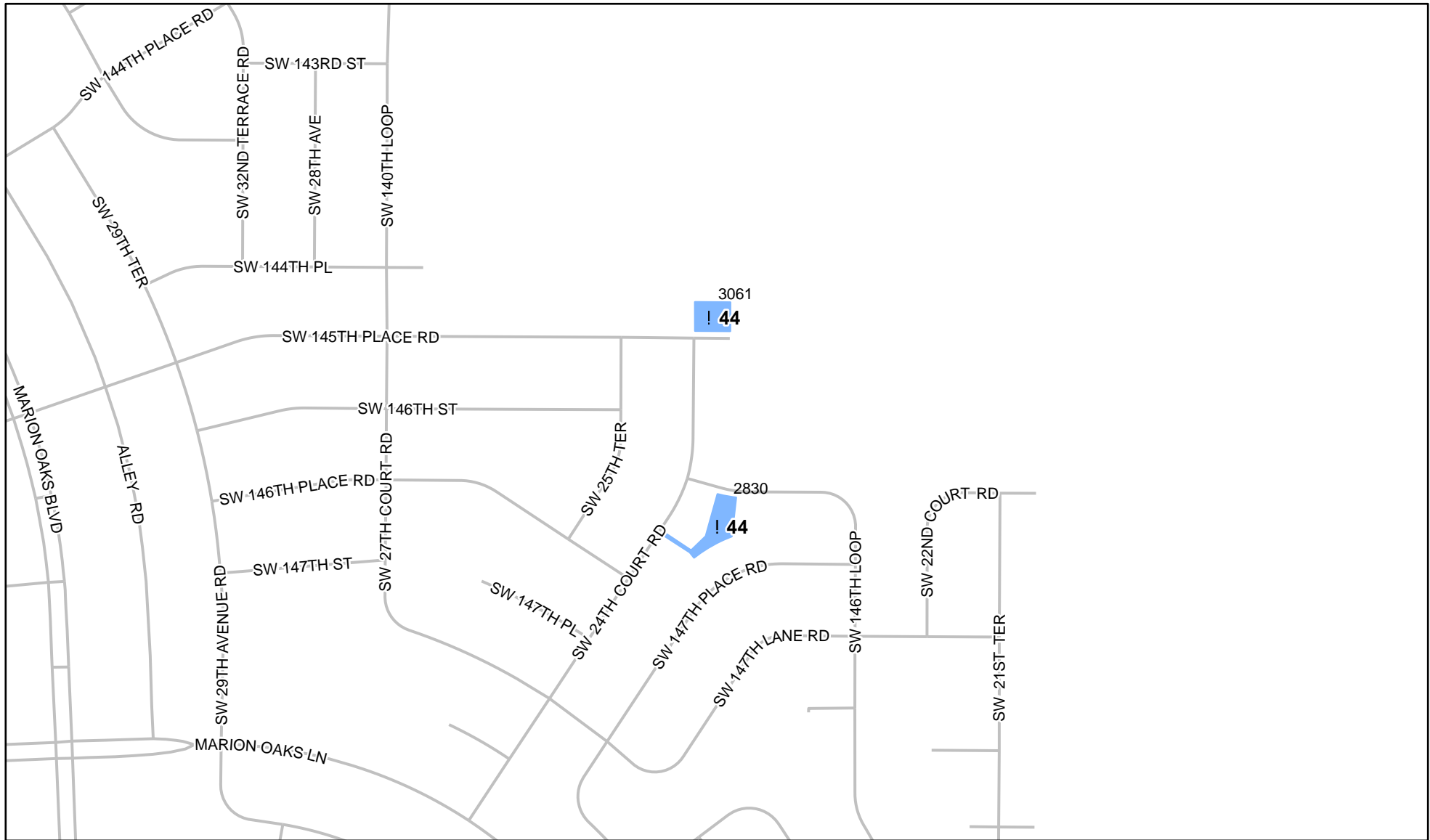
- Road Maintenance**
- County, Paved
 - County, Unpaved
 - County, MSTU, Paved
 - Other
- Drainage Retention Areas
- Major Maintenance & Pipe and Structure



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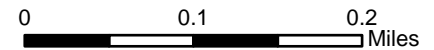
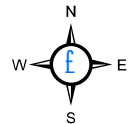


Legend

Road Maintenance

-  County, Paved
-  County, Unpaved
-  County, MSTU, Paved
-  Other

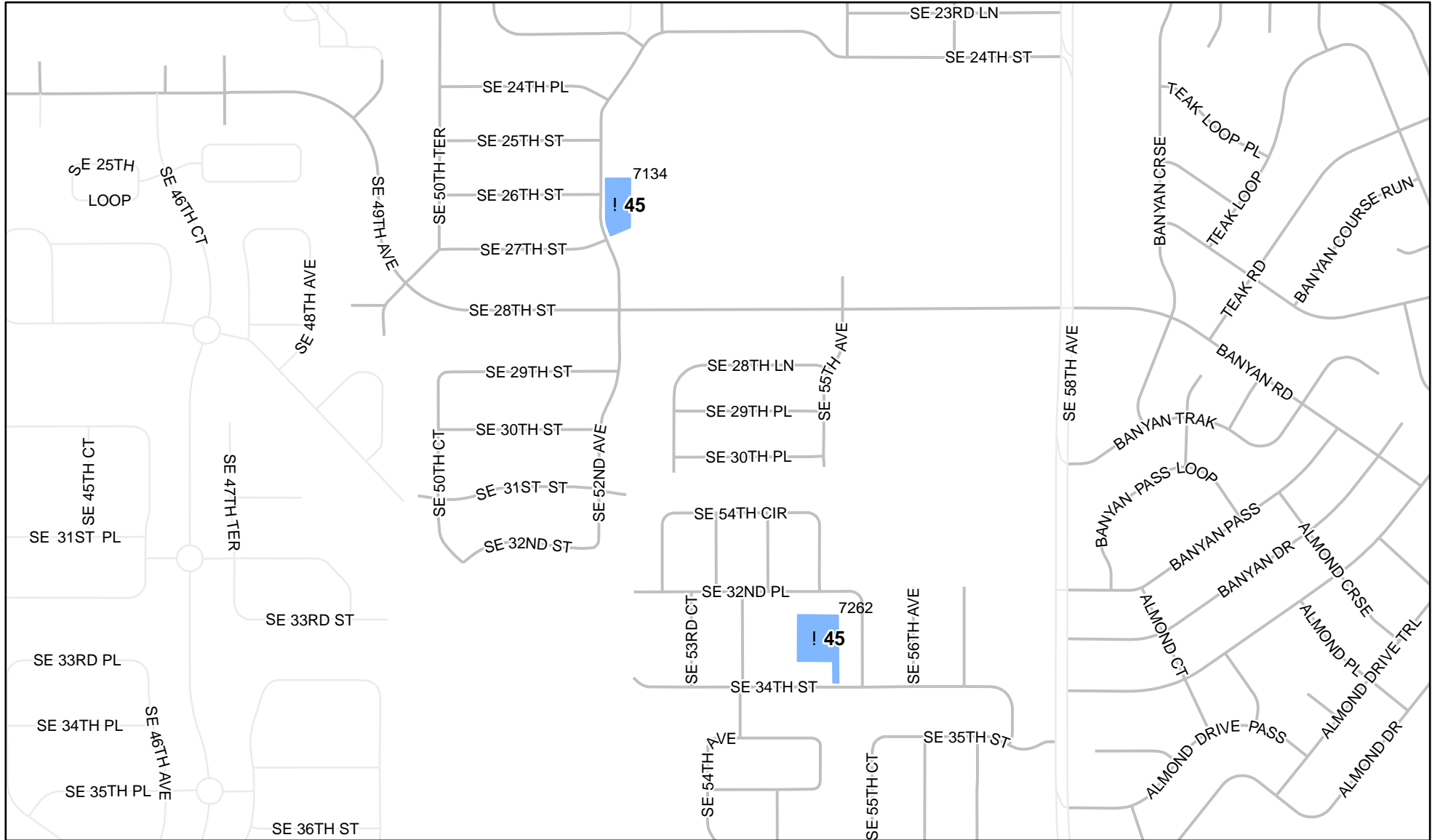
-  Drainage Retention Areas
-  Major Maintenance & Pipe and Structure



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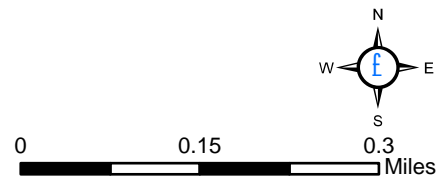
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MP 44



Legend
Road Maintenance
 Drainage Retention Areas **!** Major Maintenance & Pipe and Structure

- County, Paved
- County, Unpaved
- County, MSTU, Paved
- Other




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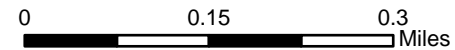
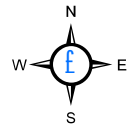
Maintenance Strategic Plan

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Legend

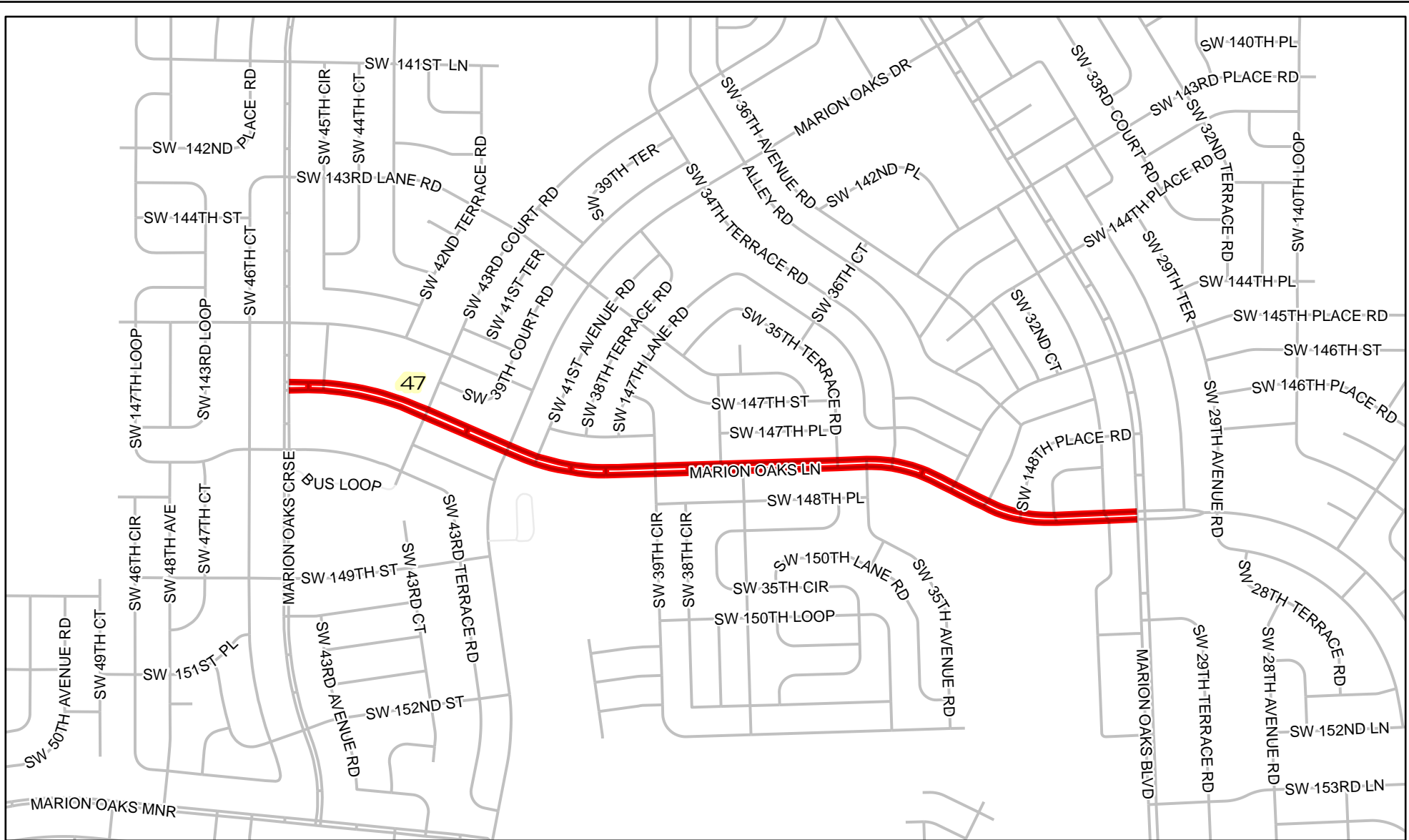
- Road Maintenance**
- County, Paved
 - County, Unpaved
 - County, MSTU, Paved
 - Other
- Drainage Retention Areas
- Major Maintenance & Pipe and Structure








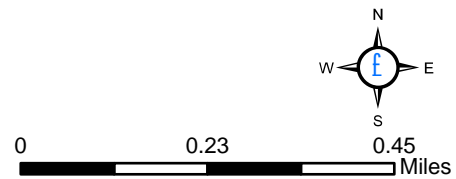
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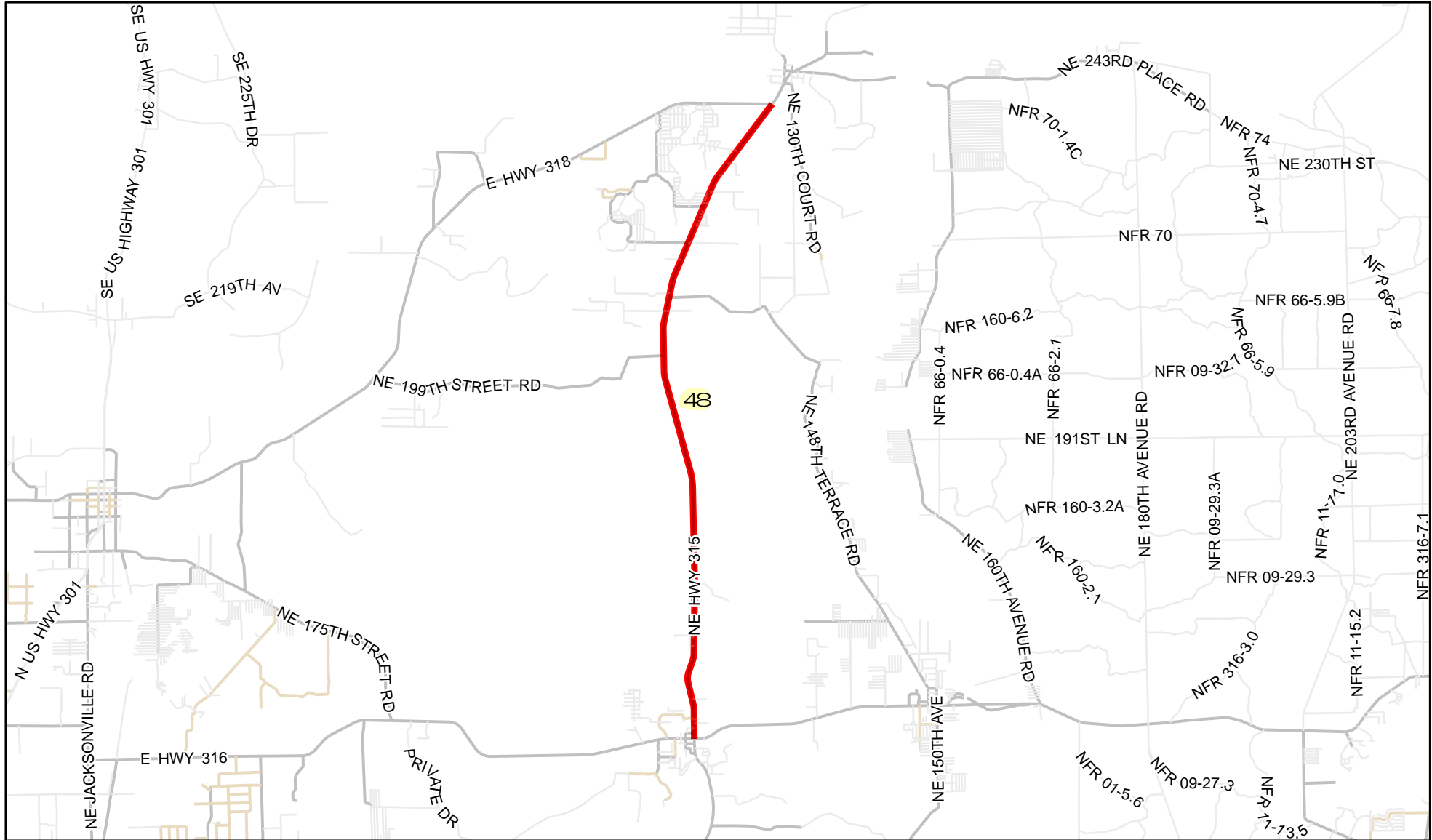
- Legend**
- Road Maintenance**
-  Pipe & Swale Restoration
 -  County, Paved
 -  County, Unpaved
 -  County, MSTU, Paved
 -  Other



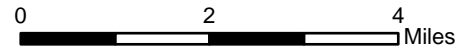
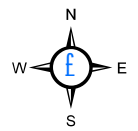


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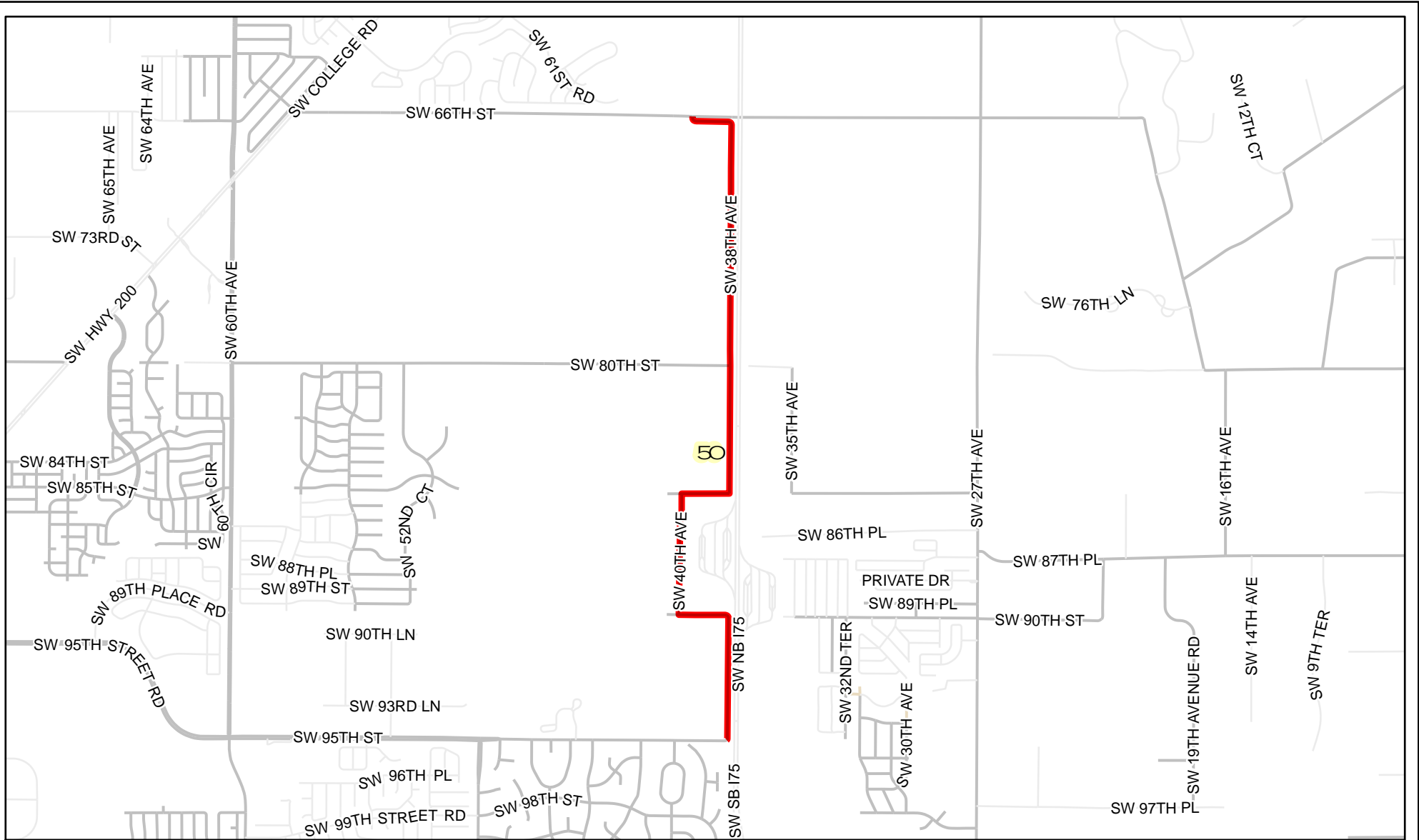
- Legend**
- Road Maintenance**
- Pipe & Swale Restoration
 - County, Paved
 - County, Unpaved
 - County, MSTU, Paved
 - Other

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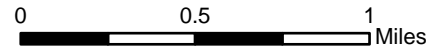
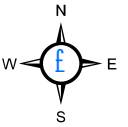
Maintenance Strategic Plan

MP 48



Legend

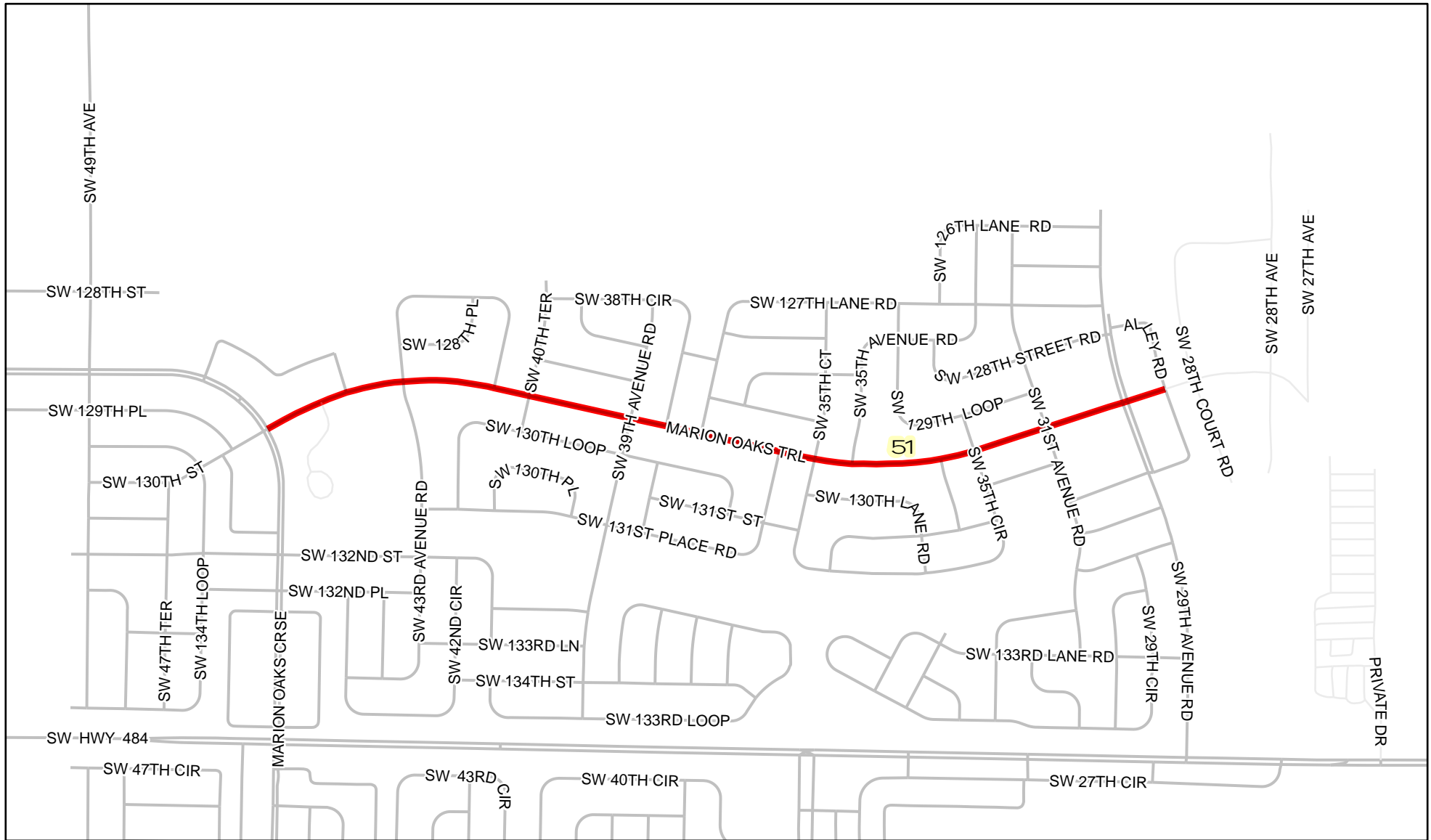
- Road Maintenance**
- Pipe & Swale Restoration
 - County, Paved
 - County, Unpaved
 - County, MSTU, Paved
 - Other



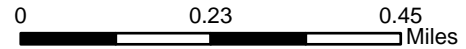
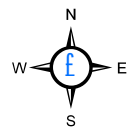

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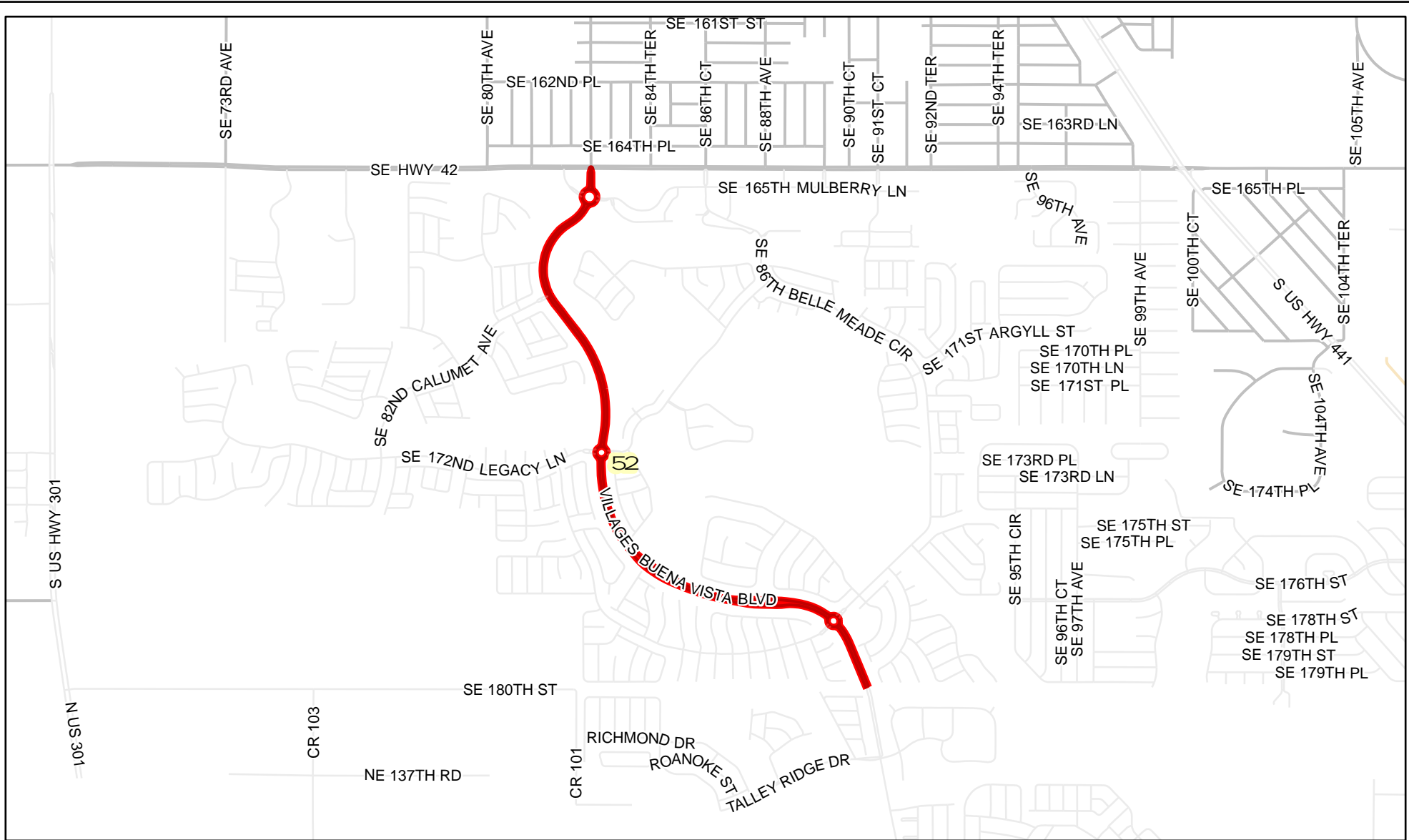
- Legend**
- Road Maintenance**
- Pipe & Swale Restoration
 - County, Paved
 - County, Unpaved
 - County, MSTU, Paved
 - Other

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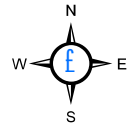


Legend

Road Maintenance

- County, Paved
- County, Unpaved
- County, MSTU, Paved
- Other

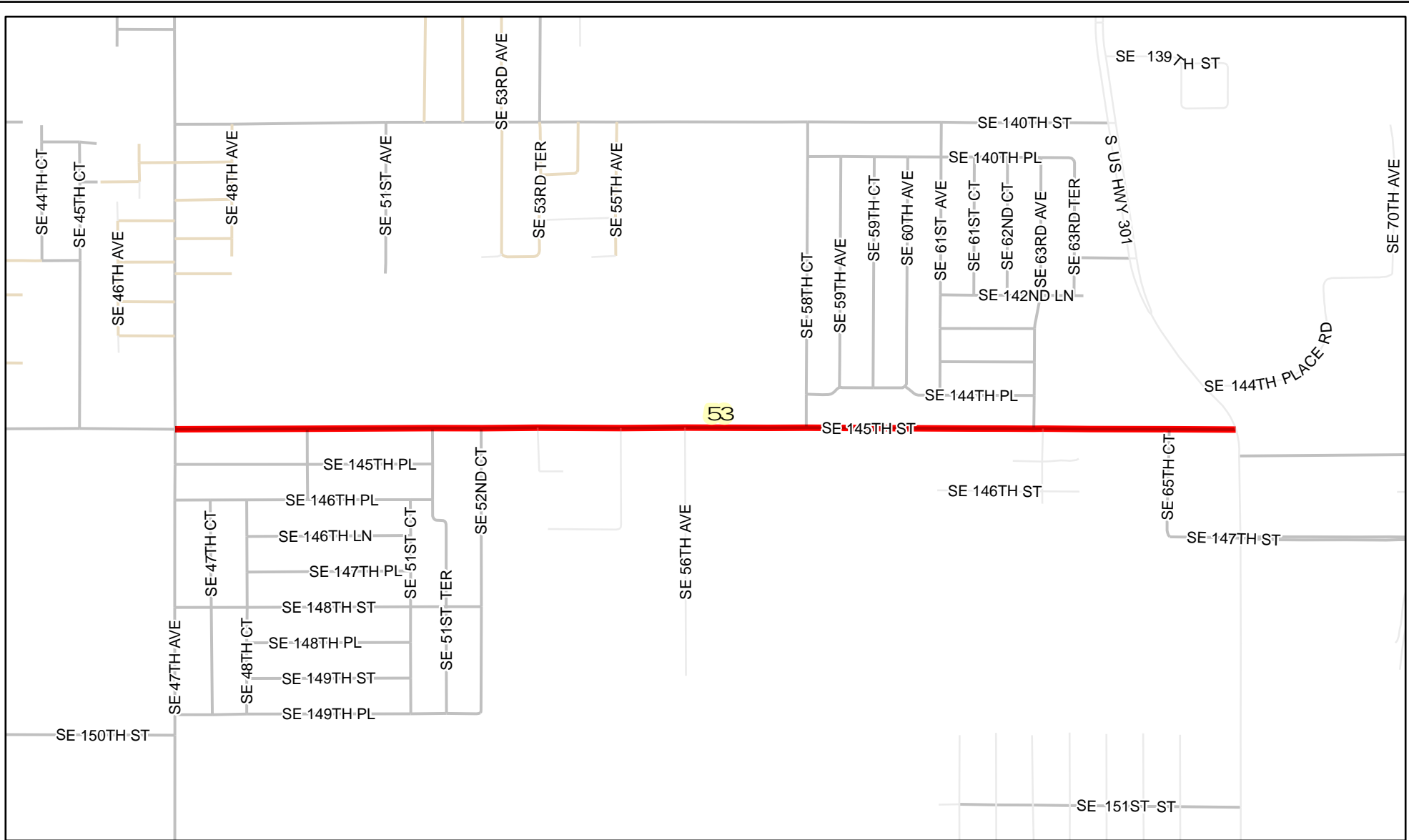
Pipe & Swale Restoration



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
MP 52

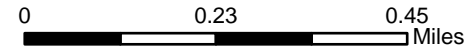
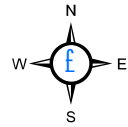


Legend

Road Maintenance

 Pipe & Swale Restoration

-  County, Paved
-  County, Unpaved
-  County, MSTU, Paved
-  Other



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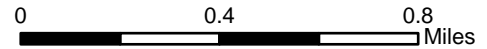
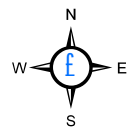
Maintenance Strategic Plan


MP 53



Legend

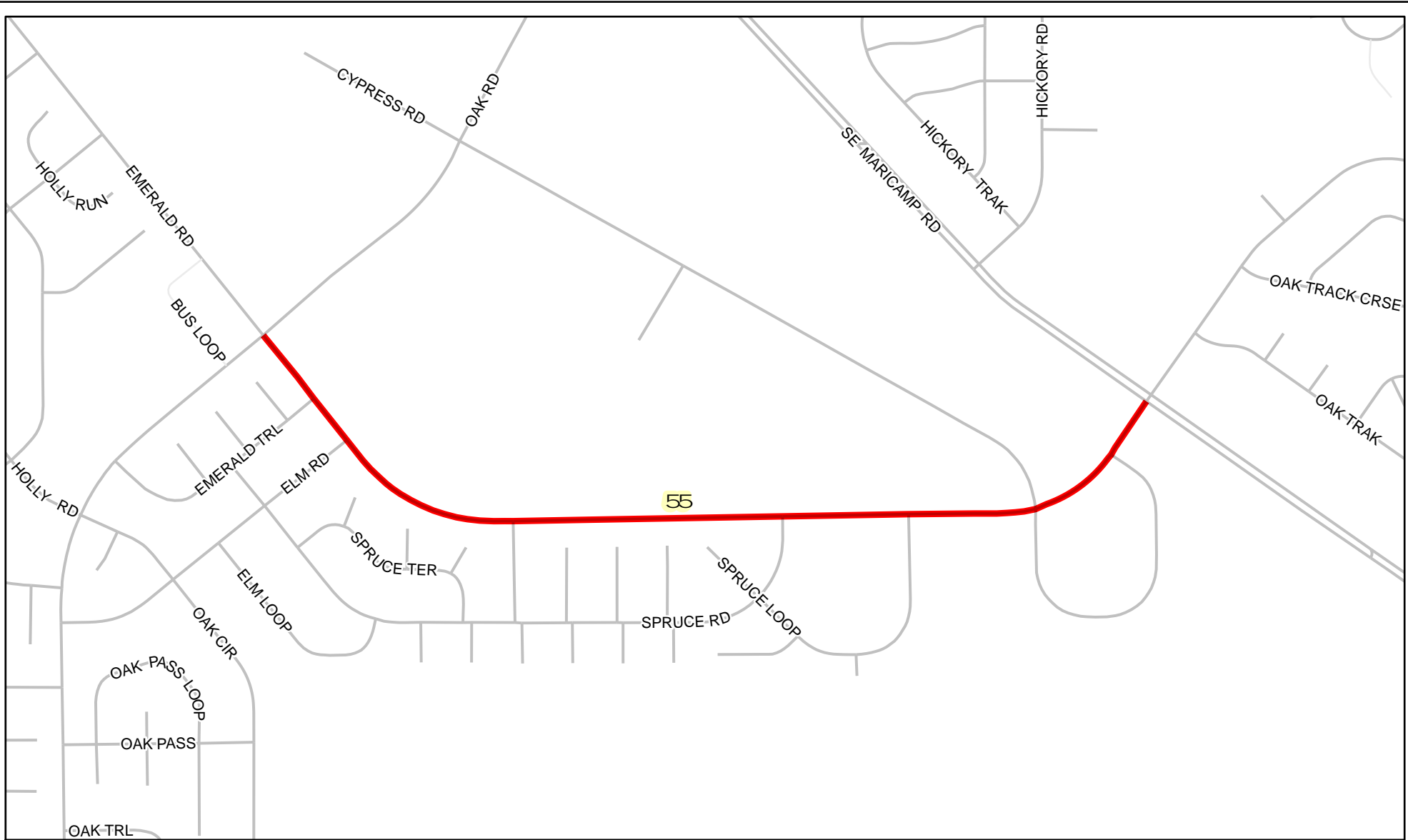
- Road Maintenance**
- Pipe & Swale Restoration
 - County, Paved
 - County, Unpaved
 - County, MSTU, Paved
 - Other








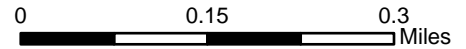
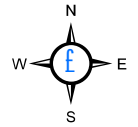

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- Legend**
- Road Maintenance**
-  Pipe & Swale Restoration
 -  County, Paved
 -  County, Unpaved
 -  County, MSTU, Paved
 -  Other



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