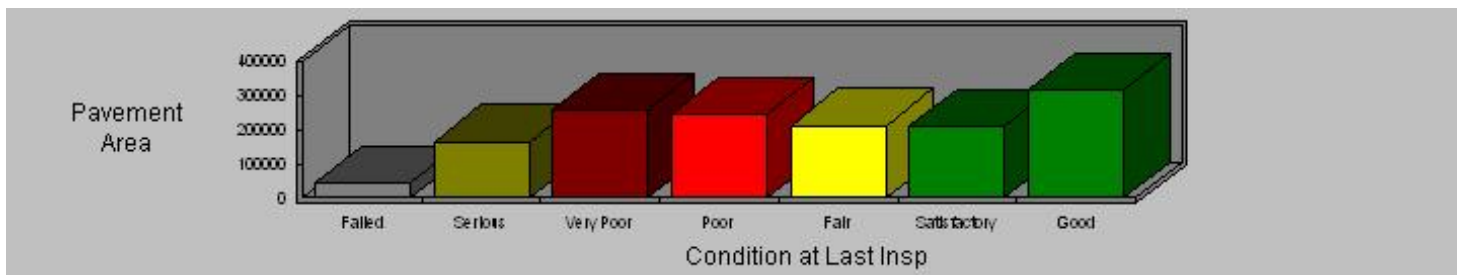




UNIVERSITY OF COLORADO BOULDER
DEPARTMENT OF FACILITIES MANAGEMENT

Pavement Management Plan Facilities Management Outdoor Services



Fall 2012

Personnel

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INTRODUCTION

The UCB Outdoor Services group has been conducting pavement audits and associated MicroPAVER analysis, in conjunction with Borstad Consulting Services, since 2007. As of 2011 all analysis tasks were brought in-house to be conducted by the Facilities Management Civil Engineering group. This has allowed for personnel to maintain close contact with the audit team as well as saving the University money.

During the spring and summer of 2012 the campus saw a myriad of paving projects, as well as pavement upgrades associated with any of the number of capital construction projects in progress. These upgrades are ongoing, and while this year's audit reflects some of the upgrades, the majority won't become apparent until after next year's audits. That being said, the overall condition of the asphalt across all of main campus, east campus, the research park and south campus (excluding Parking and Transportation Services owned lots and Housing and Dining Services owned streets and lots) has increased by 1%. This may seem insignificant, but it is important to consider that with no work would the overall quality of asphalt will deteriorate by approximately 3% per year. It is important to note that this increase is only in pavements audited during both 2011 and 2012 audits. A number of new areas were added (McAllister parking lot, Sybase parking lot, etc.) which have very low rated pavements and would skew the results if included in the above analysis.

A summary of recommended work resulting from a maintenance budget of \$150,000 per year is presented in the following document, in entirety in Appendix C and visually in Appendix D. While a larger budget would be required to maintain the progress seen in 2012, work associated with capital projects is expected to continue improving the overall quality.

METHODOLOGY

MicroPAVER utilizes data input from field investigations to predict pavement degradation and recommend maintenance practices. Maintenance is prioritized, based on a set budget, to retain the value of high quality pavements while repairing low quality pavements when budget allows. In order to accomplish this, a student audit team was assembled and trained to assess 19 different distress categories for each section of pavement. A section is defined as an area having similar characteristics such as construction date, traffic, type of construction, etc. For data collection sections are divided into samples that are generally 100 feet long and approximately 3,500 square feet or less. Then a random sample is chosen to represent the section, unless pavement conditions vary significantly within the single section. In that case additional sample(s) are audited for the single section in order to develop a more acceptable

condition index. Once data collection was complete analysis with MicroPAVER was run to determine current conditions as well as budget projections and maintenance recommendations. Analysis becomes more accurate as data for multiple years, as well as construction dates, are added to the database.

PAVEMENT INVENTORY

UCB Outdoor Services owns approximately 1,467,000 square feet of pavement on main campus, east campus, the Research Park and south campus. At a value of approximately \$6.50 per square foot the system has a total value of \$9.5 million. For analysis with the MicroPAVER software this pavement was divided into the following networks listed in Table 1.

Table 1: Network names and areas

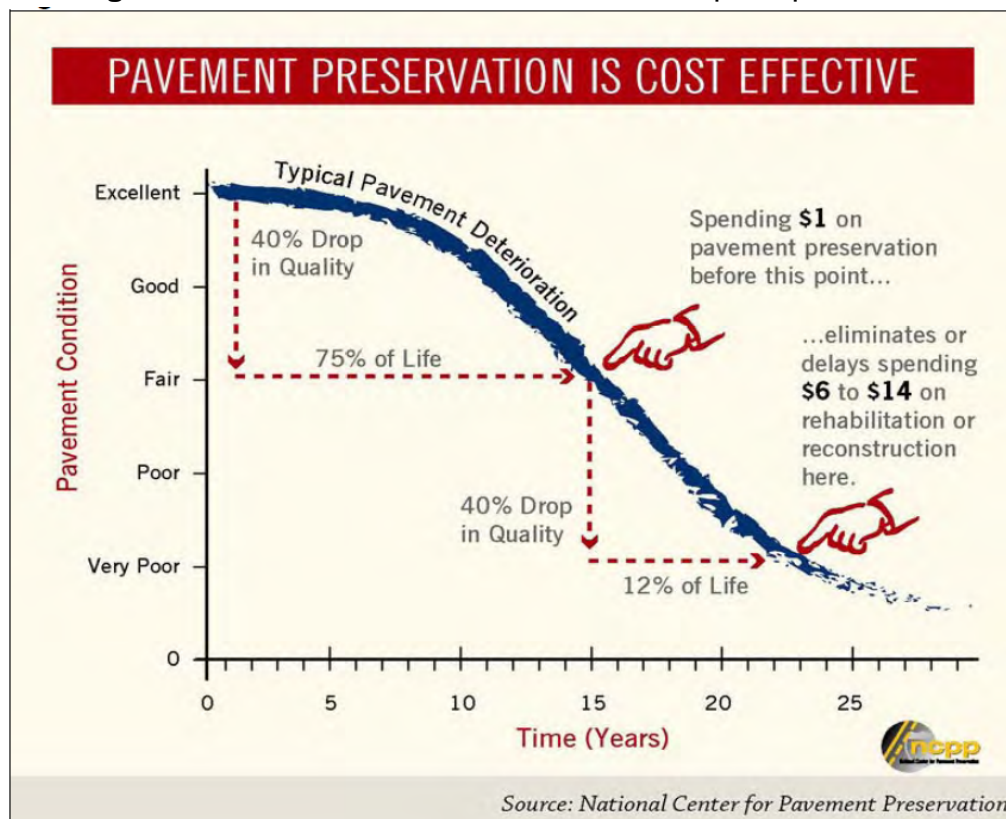
<i>Network Name</i>	<i>Area (Sq Ft)</i>
East Campus	135,661
East Main Campus	264,853
West Main Campus	140,650
Research park	734,667
South Campus	76,321
Housing	9,308
Loading Docks	19,128
Parking Services	43,116
Grandview	42,701
Total	1,466,405

These areas are then further subdivided into 59 branches, based on location. Please see Appendix A for a full listing of branches and associated areas.

PAVEMENT MANAGEMENT

MicroPAVER and this pavement management plan are based on the deterioration curve shown in figure 1 below.

Figure 1: Standard deterioration curve for asphalt pavements



An excellent pavement has a pavement condition index (PCI) of 100 and a completely failed pavement has a PCI of 0. A critical PCI value occurs between 55 and 65. This is the point where pavement condition deteriorates rapidly. Figure 2 shows some examples of different pavement conditions ratings. Maintaining pavements above the critical value can result in a savings of 4-5 times, or more, in most cases. Due to this, the most effective way to maintain pavements, and the methodology that MicroPAVER analysis is based on, is to complete maintenance activities at or before the 40% drop in

quality. For example, an overlay costs significantly less than completely rebuilding a pavement section and a seal coat cost significantly less than an overlay.

Figure 2: Pavement condition



Good - Above critical condition



Failing - Critical condition



Failed – Below critical condition

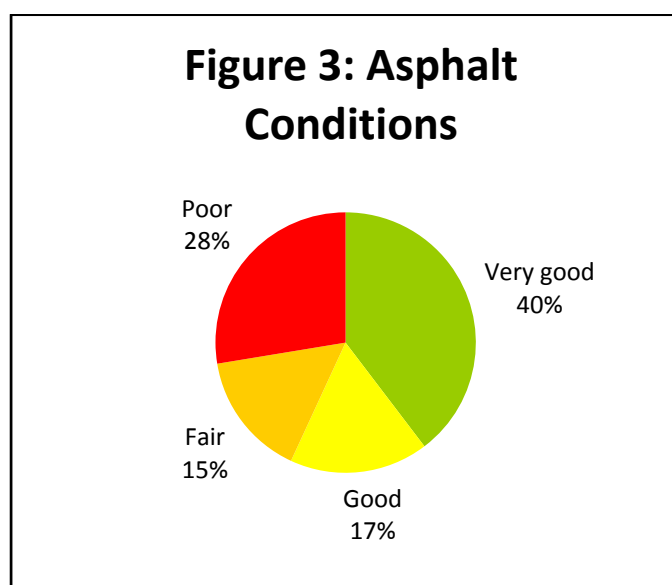
PAVEMENT CONDITIONS

Pavement audits were conducted for the entire University of Colorado, Boulder asphalt pavement inventory, including all areas listed in Table 1. Table 2 shows area-weighted average conditions for the entire system as well as for each network within the system. Appendix A shows even greater detail with conditions of each branch. Overall the campus has an average PCI of just under 60. This means, on average, campus asphalt has a critical PCI rating, which indicates that pavement deterioration is expected to accelerate over the coming years if steps aren't taken to increase the rating.

Table 2: Network Conditions

<i>Network Name</i>	<i>Area (Sq Ft)</i>	<i>Average PCI</i>
ALL	1,466,405	59.33
East Campus	135,661	66.71
East Main Campus	264,853	65.48
West Main Campus	140,650	67.82
Research park	734,667	59.91
South Campus	76,321	33.46
Housing	9,308	75.35
Loading Docks	19,128	75.08
Parking Services	43,116	44.07
Grandview	42,701	49.00

The overall percentages of pavement rated as very good, good, fair and poor are shown in Figure 3.



The audit has shown that 57% of UCB Outdoor Services asphalt surfaces are rated as good or very good condition. These pavements should only need routine preventative maintenance such as crack filling. 17% of pavements in the system are rated as good. These pavements are generally the best candidates for seal coating to prolong life. 15% of UCB Outdoor Services pavements are rated as fair condition. Pavements rated as fair may need additional crack sealing and patching. Fair pavements also generally benefit from slurry seal or mill and overlay work. 28% of UCB Outdoor Services pavements are rated as poor. These pavements are generally 20 years old or older and are failing at a quick rate, costing large amounts of money in maintenance and upkeep. This category of pavements tends to also present critical

safety hazards including potholes and rutting. Pavements rated as poor will likely require total reconstruction to bring their PCI to 100, although mill and overlay work may be appropriate on a case-by-case basis. See Appendix B for PCI values for each individual pavement section and Appendix D for a map showing areas and current pavement conditions.

FIVE YEAR MAINTENANCE PLAN

Based on the set budget of \$150,000 per year for asphalt upgrades, a 5 year maintenance plan has been developed. While this plan did not consider other budgets to a large extent it is important to note that even with a budget of \$150,000 overall asphalt conditions for the system will continue to decrease by a small amount. MicroPAVER analysis shows a required budget of approximately \$200,000 for condition stabilization while a budget of \$500,000 per year would allow the campus to increase its overall PCI rating by approximately 1 point per year. Maintenance plans for other yearly budget values are available upon request.

The set budget of \$150,000 will result in a decrease in overall PCI of approximately 0.5-1 point per year. This decrease is fairly small, and with the additional work generally provided by capital construction projects on campus it is quite possible to see an increase in pavement quality in the near future. For example, two failing sections of Kittredge Loop Road are planned for replacement with the Kittredge Central and Campus Utility System projects.

MicroPAVER has the ability to break up any set budget into 4 categories: stop gap, preventative, preventative & seal coat and major M&R. Stop gap maintenance entails primarily safety related maintenance such as pothole filling and minor skin patches and is only required for below-critical pavements (PCI 0-55). Ultimately areas flagged for stop-gap maintenance need to be replaced, but the budget being considered will not allow for the required major M&R. Stop-gap maintenance is not desirable and should be avoided if additional funding for major M&R is available. Preventative maintenance includes activities such as crack filling and very minor patching. Preventative maintenance is generally applied to high rated pavements in order to keep their condition rating stable. Preventative maintenance and seal coat is the preventative maintenance described above with the addition of a sprayed-on bituminous asphalt coating that seals the asphalt from the elements (fog seal) or a layer of aggregate covered in a sprayed-on bituminous asphalt coating (slurry seal). Fog seal is generally applied to asphalts experiencing primarily weather related distress while slurry seal can remedy more structural and use related distresses. These two maintenance practices can be applied to increase the condition rating of good and fair rated pavements. Major

M&R consists of mill & overlay maintenance work for higher rated pavements or total reconstruction for low rated and failed pavements.

For this analysis only “global” treatments were considered. Global is used in this context to represent work done to an entire section. This decision was based on the following factor: UCB Outdoor Services employs summer interns to conduct crack sealing and stop gap work it was not necessary to include these “local” maintenance activities. MicroPAVER has the tendency to chew through small maintenance budgets on these activities, while neglecting global maintenance, resulting in a less-than-useful maintenance plan. Therefore the maintenance recommendations, presented by section in Appendix C and visualized in Appendix D, only consider global maintenance. Stop gap maintenance should be carried out on all below-critical pavements and preventative maintenance should be carried out on all above-critical pavements as-needed on a yearly basis.

CONCLUSION AND RECOMMENDATIONS

Maintenance activities for 2013 have previously been determined as major M&R applied to the western portion of Kittredge Loop Rd. and a slurry seal applied to Colorado Ave. between the intersection with 18th St. and the info booth, as well as the portion of Libby Dr. west of Benson Earth Sciences. These are illustrated in Appendix D but are not portrayed in Appendix C. Maintenance recommendations, starting in 2014, are presented in Appendix C and call for extensive fog sealing in 2014, along with small amounts of slurry sealing and major M&R. MicroPAVER has determined, based on distress types and quantities from the past few years, that fog sealing is a better option for certain areas. Fog sealing is a cheaper alternative to slurry sealing and provides almost as much benefit, assuming distresses are more attributed to weathering. The 2014 plan also calls out some above-critical and critical areas for major M&R. Major M&R on these areas needs to be considered on a site specific basis. While major M&R generally consists of total reconstruction or mill and overlay work, it is possible that cheaper methods of M&R could be employed on some of these areas while still attaining a like-new condition.

In the following 4 years after 2014 MicroPAVER analysis recommends almost solely major M&R activities to bring critical pavements back to like-new conditions. This plan does not address some of the worst pavements on campus, instead opting to bring more of the almost-critical and critical pavements to like-new conditions.

By following these recommendations it is possible to reduce asphalt pavement deterioration to a rate of ~0.5% per year (without considering capital construction), as opposed to ~3% with no global maintenance. It is important that UCB Outdoor Services

continues to follow their preventative maintenance practice of crack-filling during the summer. Also, it is important to continue the summer asphalt audit program. Because environmental and usage related distresses are difficult to predict without local data, as more auditing data is added to the database the MicroPAVER program becomes increasing accurate.

Appendix A: Branch names, areas and PCIs

<i>Network Name</i>	<i>Branch Name</i>	<i>Area (Sq Ft)</i>	<i>Average PCI</i>
ALL	(All)	1,466,405	59.33
East Campus	(All)	135,661	66.71
East Campus	Marine Street	56,825	78.03
East Campus	33rd Street	27,768	79.79
East Campus	Admin & Research Cntr West Drive	16,497	54.94
East Campus	Admin & Research Cntr. East Drive	21,334	56.89
East Campus	Lot 566 Drive	13,237	53.49
East Main Campus	(All)	264,853	65.48
East Main Campus	Wardenburg Drive	31,397	63.07
East Main Campus	Baker Drive	27,151	63.53
East Main Campus	Libby Drive	13,366	72.64
East Main Campus	Lot 325 Drive	1,300	40.49
East Main Campus	Willard Loop Drive	17,100	94.99
East Main Campus	Engineering Drive	5,920	42.41
East Main Campus	Colorado Avenue	47,449	57.9
East Main Campus	Power-House Drive	5,922	100
East Main Campus	lot 420 drive	9,039	81.63
East Main Campus	Kittredge Loop Road	75,269	66.29
East Main Campus	18th Street	30,940	67.28
West Main Campus	(All)	140,650	67.82
West Main Campus	Macky Drive	23,832	76.41
West Main Campus	Franklin Drive	23,939	65.36
West Main Campus	Macky Auditorium Loading Dock Drive	3,145	84.28
West Main Campus	Euclid Drive	20,730	30.71
West Main Campus	Stadium Drive	29,138	65.66
West Main Campus	Clare Small Drive	8,595	44.34
West Main Campus	Pleasant Street	31,271	80.7
Research park	(All)	734,667	59.91
Research park	Discovery Drive West Bound	60,155	99.45
Research park	McAllistar Drive	91,762	21.92
Research park	McAllister Loading Dock	11,151	36.33
Research park	McAllistar Parking	212,120	30.38
Research park	Discovery Drive East Bound	54,456	99.85
Research park	SYBASE Drive	30,814	29.27
Research park	SYBASE Parking	88,197	52.25
Research park	Biotech Building	81,362	96.63

Research park	LASP Drive	8,819	41.42
Research park	Innovation Drive South Bound	15,394	99.05
Research park	Innovatio Drive north drive	11,060	99.85
Research park	38th Street	20,097	62.78
Research park	LASP Parking	49,280	50.48
South Campus	(All)	76,321	33.46
South Campus	Tennis Court drive	3,835	2.81
South Campus	South Campus drive	72,486	43.68
Housing	(All)	9,308	75.35
Housing	Cheyenne Arapaho Loading Dock Drive	5,408	64.58
Housing	Andrews/Arnett Driveway	3,900	86.12
Loading Docks	(All)	19,128	75.08
Loading Docks	Regent Bldg loading dock	1,798	51.4
Loading Docks	Aero/DLC Loading Dock	6,316	78.29
Loading Docks	Hale sciences Loading Dock	1,144	51.29
Loading Docks	IBG loading Dock	406	0
Loading Docks	Computing Center LD	2,860	50.46
Loading Docks	Fleming Drive	6,604	97.85
Parking Services	(All)	43,116	44.07
Parking Services	Fleming Drive	8,972	15.83
Parking Services	Lot 399 Drive	1,080	77.35
Parking Services	Lot 418 Driveway	4,332	51.3
Parking Services	Lot 310 drive	5,568	55.32
Parking Services	EHSC Drive	14,246	71.03
Parking Services	Transportation Services Parking Lot	8,918	21.8
Grandview	(All)	42,701	49
Grandview	Native American History	5,016	28.3
Grandview	Armory	3,668	37.39
Grandview	15th St	4,760	80.81
Grandview	Lot 258 Dr	2,475	59.61
Grandview	Kappa Alpha Theta Alley	9,328	18.2
Grandview	Lot 282 Dr	2,712	95.96
Grandview	Grandview Ave.	9,982	43.96
Grandview	13th St	4,760	63.65

Appendix B: Individual PCI ratings by section

<i>Branch ID</i>	<i>Section ID</i>	<i>From</i>	<i>To</i>	<i>PCI</i>
East Campus				
33rd st.	10	N end of 33rd st.	Int. with Colorado Ave.	80
ARC W. Dr.	10	Marine St. (NW corner of ARC)	Pavement Change (Near Start Lot563)	79
Marine St.	10	30th St.	West Edge of RL1/ARC driveway	79
Marine St.	20	West Edge of RL1/ARC	W side Intersection with ARC	86
Marine St.	30	E Side ARC Bldg	W. Side of W. Intersection Lot 575	82
Marine St.	50	West Side intersection of Lot 573	pavement change	80
ARC E. Dr.	10	Marine (NE Corner of ARC)	Pvmnt Change (NE corner of Lot 563)	63
Lot 566 Dr	10	30th Street	East End of Lot 566	63
Marine St.	40	W Side W Intersection of Lot 575	W Side intersection of Lot 573	66
ARC E. Dr.	20	NE corner of Lot 563	South to End of parking lots	54
Lot 566 Dr	20	Est end of Lot 566	Arc East Driveway intersection	47
ARC W. Dr.	20	Pavement Change (NE Corner Lot 563)	End of Parking Lot	32
East Main Campus				
18th St	10	Colorado Ave. (Near Norlin)	S. to Euclid Toll Gate	74
Kitt Loop	10	Regent Drive	Pavement Change 200 ft South	90
Kitt Loop	30	North Side Roundabout (new asphalt)	East Side Roundabout (new asphalt)	96
Kitt Loop	50	East side of parking lot	Pavement change E at start of curve	79
Kitt Loop	60	Start of North Curving Kitt Loop	S Side of Drain Concrete & Crosswlk	93
Libby Dr.	20	Parking Lot 360 Entrance	E to End of Rd at Brackett	78
Lot 420 Dr	10	Intersection with Regent	Straight E to Lot 420	82
Willard Lp	10	West Entrance	East Entrance	100
Wrdsnrg Dr	20	concrete pan W of gate near cheyho	W. to Intersection with 18th St.	80
18th St	20	Euclid Toll Gate	S. to Broadway Ave	63
Baker Dr	10	N Side of Farrand	W End Near Baker Hall	65
Colorado A	10	W Intersection of Colorado & Folsom	W. to Toll Gate	64
Kitt Loop	40	East side of Roundabout	West end of parking lot	59
Kitt Loop	70	N Side of drain concrete	E side of Parking Lot 427 Drive	58
Libby Dr.	10	Info Booth Roundabout	Parking Lot 360 Entrance	69
Colorado A	20	Toll Gate	18th St. Intersection (Near Norlin)	55
Engg Dr.	10	ITLL (West Side)	Intersection with Regent	44
Lot325 Dr.	10	Wardenburg Drive	Lot 325	42
Wrdsnrg Dr	10	Concrete pan N. of gate S. of Libby	Parking Gate Near Cheyenne Arapaho	48
Kitt Loop	20	Pavement change 218 ft S of Regent	NW side of Roundabout	26

Kitt Loop	80	E Side of Parking Lot 427 Drive	Kittredge Loop Road (Reconnects)	37
PowerHouDr	10	Intersection with 18th Street	IMIG Music Building	NA
Grandview				
15th St	10	Intersection with University	Intersection with Grandview	81
Lot 282 Dr	10	Intersection with Grandview	End of Pavement	96
13th St	10	Intersection with University	Intersection with Grandview	64
Lot 258 Dr	10	Intersection with Grandview	NE corner of 416 Broadway	60
Grandview	20	West Intersection with 13th St	End of Grandview	50
Armory	10	End of Lot SE side of Armory	End of pavement NW side of Armory	38
Grandview	10	Intersection with Broadway	West Intersection with 13th St	39
KAT Alley	10	Intersection with 15th St	Intersection with 13th St	2
KAT Alley	20	Intersection with 13th St	Intersection with Lot 258 Dr	36
Native Ame	10	Intersection with Grandview	Broadway Bike Path	29
Housing				
Andrews/Ar	10	Kittridge Loop Road	Lot 427	87
CheyArapLD	10	Lot 310 Dr.	Loading Dock	66
Loading Docks				
AeroDLC LD	20	Aerospace Wing	DLC Wing	80
AeroDLC LD	10	S. Intersection with Colorado Ave	Cross Street	78
Fleming Dr	30	End (E Side) of Parking Lot	End of Fleming Law Driveway	100
Comp LD	10	Intersection with Marine Street	End of Loading Dock	52
Hale LD	10	Intersection with pleasant street	end of Loading dock	53
Regent Ldg	10	Willard Loop Drive	Regent Bldg	53
IBG LD	10	Pavement Change	End of Loading Dock	0
Parking				
EHSC Dr.	10	Regent Drive	W.toConcrete Loading Dock for EHSC	75
Lot 399 Dr	10	Libby Drive	E to Lot 399 (Motorcycle Parking)	79
Lot 310Dr.	10	Intersection with Wardenburg Dr	Lot 310 Parking Gate	57
Lot 418 Dr	10	N Side of Intersection w/ Kitt Lp	200 ft N at start Parking Lot 418	53
Fleming Dr	10	E Side of Intersection with Kitt Lp	W. Side of Parking Lot 406	5
Fleming Dr	20	Start (W Side) of Parking Lot	End (E Side) of Parking Lot	28
Tranp Serv	10	Entire Parking Lot	Including Inlets	22
Research Park				
38 street	10	Intersection with Colorado Ave.	E side of Parking lot N. of CASA	89
Biotech	10	NW end of parking lot	Single parking strip	95
Biotech	20	Single parking strip N of road	Single parking strip S of road	96
Biotech	30	NW corner of central parking area	SE corner of central parking area	99
Dis.Dr.E.B	10	Colorado Avenue	E to End of Boulevard	100
Dis.Dr.E.B	20	End of 1st Boulevard	End of Second Boulevard	100
Dis.Dr.E.B	30	End of 2nd Boulevard	End of 3rd Boulevard	100
Dis.Dr.E.B	40	End of 3rd Boulevard	End of Discovery Drive (E.B)	100

Dis.Dr.W.B	10	east end of discovery drive	Start of second road divider	100
Dis.Dr.W.B	20	Start of second road divider	Start of third road divider	100
Dis.Dr.W.B	30	Start of 3rd Boulevard	Start of 4th Boulevard	99
Dis.Dr.W.B	40	Start of 4th Boulevard	Colorado Ave.	100
Innov DrNB	10	discovery dr (pvmnt change)	N side LASP driveway	100
Innov DrNB	20	N side LASP driveway	Colorado Ave (pavement change)	100
Innov DrSB	10	Colorado Avenue	N to N side Intersection w/ LASP Dr	100
Innov DrSB	20	N side Intersection w/ LASP Dr.	Pvmnt Change - S. side intersection	99
Mc. Park	40	W Parking Lot Entrance	E Parking Lot Entrance	64
SYBASE Dr.	30	Main road turnoff	Intersection with Dis. Dr.	65
SYBASE Prk	10	N end of W Parking Section	Int. w/ SYBASE Dr.	64
SYBASE Prk	20	N end of W center parking section	Int. w/ SYBASE Dr.	63
LASP Dr.	10	Intersection with Innovation Drive	E to End of Pavement	43
LASP Park	10	NW end of parking lot	SE end of parking lot	51
Mc. Dr.	30	S Side of Southern inlet rd.	Center of Median at LD	46
SYBASE Prk	30	N end of E center parking section	Int. w/ SYBASE Dr.	47
38 street	20	E Side of Parking Lot N. of CASA	Wrap Around Building to end of road	39
Mc. Dr.	10	E Bound int. w/ Dis. Dr.	W Bound int. w/ Dis. Dr.	8
Mc. Dr.	20	Concrete Gutter	S int. w/ Dis. Dr.	11
Mc. Dr.	40	Center of median at LD	N concrete gutter at entrance	26
Mc. LD	10	Int. w/ Mc. Dr.	Building Entrance	37
Mc. Park	10	SW Parking Stall	NW Parking Stall	23
Mc. Park	20	W concrete gutter	E concrete gutter	19
Mc. Park	30	W Parking lot Entrance	E Parking lot Entrance	22
Mc. Park	50	W parking lot entrance	E parking lot entrance	36
Mc. Park	60	W parking entrance	E parking entrance	36
Mc. Park	70	Parking Lot Entrance	N end of parking lot	39
Mc. Park	80	Parking lot entrance	N end of parking lot	30
Mc. Park	90	Parking lot entrance	N end of parking lot	11
SYBASE Dr.	10	Int. w/ Dis. Dr.	Concrete pad at building entrance	10
SYBASE Dr.	20	E. Edge of concrete pad at entrance	Gutter at end of E. parking stalls	15
SYBASE Prk	40	N end of W parking section	Int. w/ SYBASE Dr.	37
South Campus				
S CAMP Dr.	10	south Campus Paking Lot	Pavement change	69
S CAMP Dr.	20	pavement change	Fork in road (tennis court drive)	41
S CAMP Dr.	30	Fork in road (tennis court drive)	Table Mesa Intersection	24
T Court Dr	10	Interesction with south campus driv	End of pavement	3
West Main Campus				
Franklin D	20	Pavement Change(118ft W of Intrcn)	NE. Corner of Folsom of Stadium	85
Macky Dr	10	Intersection with University	E to Parking Gate	76
Macky Dr	20	S Side of Parking Gate	N Intersection with Pleasant Street	78

Macky LdDr	10	Macky Drive Intersection	Lot 243 Macky Loading Dock	85
PleasantSt	10	Coldesack N of Norlin Library	E Intersection with Macky Dr.	88
PleasantSt	20	E Intersection with Macky Dr	E side of Crosswalk N of Old Main	71
PleasantSt	30	W side of Crosswalk N of Old Main	W to Broadway	86
StadiumDr	10	Intersection with Folsom	Conc.Loading Dock NW corner of DalW	71
Franklin D	30	NE. Corner of Folsom Stadium	Colorado Avenue Intersection	64
StadiumDr	20	Concrete Loading Dock NW cornerDalW	Pavement End (N Ent. ofField House)	63
Clare Dr	10	North East Side of Rec Center	Rec Center Rear Entrance	46
Franklin D	10	Intersection with Folsom	Pavement Change (118ft Wof Intrscn)	51
EuclidDr	10	Parking Gate	W to Broadway Intersection	35

Appendix C: 5 Year Maintenance Plan

2014	
<i>Network/ Branch/ Section</i>	<i>Work Required</i>
E Campus 33rd st. 10	(2) Surface Seal - Fog Seal \$4165 Before: 79.27 After: 81.09
E Campus ARC E. Dr. 10	Do Nothing Before: 58.52 After: 58.52
E Campus ARC E. Dr. 20	Do Nothing Before: 49.16 After: 49.16
E Campus ARC W. Dr. 10	Do Nothing Before: 78 After: 78
E Campus ARC W. Dr. 20	Do Nothing Before: 29.86 After: 29.86
E Campus Lot 566 Dr 10	Major Above Critical \$26681 Before: 58.59 After: 100
E Campus Lot 566 Dr 20	Do Nothing Before: 42.47 After: 42.47
E Campus Marine St. 10	Do Nothing Before: 78.02 After: 78.02
E Campus Marine St. 20	(3) Surface Treatment - Slurry Seal \$4682 Before: 83.95 After: 93.13
E Campus Marine St. 30	(3) Surface Treatment - Slurry Seal \$4454 Before: 81.1 After: 86.31
E Campus Marine St. 40	Do Nothing Before: 61.91 After: 61.91
E Campus Marine St. 50	Do Nothing Before: 79.47 After: 79.47
E Main C 18th St 10	Do Nothing Before: 71.21 After: 71.21
E Main C 18th St 20	Major Above Critical \$35671 Before: 58.51 After: 100
E Main C Baker Dr 10	Do Nothing Before: 60.69 After: 60.69
E Main C Colorado A 10	Do Nothing Before: 59.59 After: 59.59
E Main C Colorado A 20	Do Nothing Before: 50.15 After: 50.15
E Main C Engg Dr. 10	Do Nothing Before: 39.61 After: 39.61
E Main C Kitt Loop 10	Do Nothing Before: 87.14 After: 87.14
E Main C Kitt Loop 20	Do Nothing Before: 25.45 After: 25.45
E Main C Kitt Loop 30	Do Nothing Before: 92.83 After: 92.83
E Main C Kitt Loop 40	Do Nothing Before: 54.25 After: 54.25
E Main C Kitt Loop 50	(2) Surface Seal - Fog Seal \$1374 Before: 78 After: 79.82
E Main C Kitt Loop 60	Do Nothing Before: 89.93 After: 89.93
E Main C Kitt Loop 70	Do Nothing Before: 53.38 After: 53.38
E Main C Kitt Loop 80	Do Nothing Before: 33.94 After: 33.94
E Main C Libby Dr. 10	Do Nothing Before: 65.21 After: 65.21
E Main C Libby Dr. 20	Do Nothing Before: 76.53 After: 76.53
E Main C Lot 420 Dr 10	Do Nothing Before: 81.08 After: 81.08
E Main C Lot325 Dr. 10	Do Nothing Before: 37.84 After: 37.84
E Main C Willard Lp 10	Do Nothing Before: 92.91 After: 92.91
E Main C Wrdrnrg Dr 10	Do Nothing Before: 43.31 After: 43.31
E Main C Wrdrnrg Dr 20	Do Nothing Before: 79.45 After: 79.45
Grandview 13th St 10	Major Above Critical \$11824 Before: 63.01 After: 100

Grandview 15th St 10	Major Above Critical \$5712 Before: 80.47 After: 100
Grandview Armory 10	Do Nothing Before: 36.29 After: 36.29
Grandview Grandview 10	Do Nothing Before: 37.31 After: 37.31
Grandview Grandview 20	Do Nothing Before: 48.62 After: 48.62
Grandview KAT Alley 10	Do Nothing Before: 0 After: 0
Grandview KAT Alley 20	Do Nothing Before: 34.23 After: 34.23
Grandview Lot 258 Dr 10	Do Nothing Before: 58.89 After: 58.89
Grandview Lot 282 Dr 10	Do Nothing Before: 95.89 After: 95.89
Grandview Native Ame 10	Do Nothing Before: 27.04 After: 27.04
Housing Andrews/Ar 10	Do Nothing Before: 84.68 After: 84.68
Housing CheyArapLD 10	Major Above Critical \$14120 Before: 61.8 After: 100
Load Dock AeroDLC LD 10	Do Nothing Before: 14.46 After: 14.46
Load Dock AeroDLC LD 20	Do Nothing Before: 79.48 After: 79.48
Load Dock Comp LD 10	Do Nothing Before: 47.33 After: 47.33
Load Dock Fleming Dr 30	Do Nothing Before: 96.04 After: 96.04
Load Dock Hale LD 10	Do Nothing Before: 48.15 After: 48.15
Load Dock IBG LD 10	Do Nothing Before: 0 After: 0
Load Dock Regent Ldg 10	Do Nothing Before: 48.26 After: 48.26
Parking EHSC Dr. 10	(3) Surface Treatment - Slurry Seal \$8548 Before: 68.87 After: 77.34
Parking Fleming Dr 10	Do Nothing Before: 3.83 After: 3.83
Parking Fleming Dr 20	Do Nothing Before: 27.26 After: 27.26
Parking Lot 310Dr. 10	Do Nothing Before: 52.18 After: 52.18
Parking Lot 418 Dr 10	Do Nothing Before: 48.17 After: 48.17
Parking Tranp Serv 10	Do Nothing Before: 21.45 After: 21.45
Res. Park 38 street 10	(2) Surface Seal - Fog Seal \$1390 Before: 86.28 After: 92.99
Res. Park 38 street 20	Do Nothing Before: 35.23 After: 35.23
Res. Park LASP Dr. 10	Do Nothing Before: 38.7 After: 38.7
Res. Park LASP Park 10	Do Nothing Before: 49.21 After: 49.21
Res. Park Mc. Dr. 10	Do Nothing Before: 4.56 After: 4.56
Res. Park Mc. Dr. 20	Do Nothing Before: 7.74 After: 7.74
Res. Park Mc. Dr. 30	Do Nothing Before: 44.02 After: 44.02
Res. Park Mc. Dr. 40	Do Nothing Before: 23.29 After: 23.29
Res. Park Mc. LD 10	Do Nothing Before: 34.7 After: 34.7
Res. Park Mc. Park 10	Do Nothing Before: 20.18 After: 20.18
Res. Park Mc. Park 20	Do Nothing Before: 16.04 After: 16.04
Res. Park Mc. Park 30	Do Nothing Before: 19.15 After: 19.15
Res. Park Mc. Park 40	Do Nothing Before: 62.68 After: 62.68
Res. Park Mc. Park 50	Do Nothing Before: 33.66 After: 33.66
Res. Park Mc. Park 60	Do Nothing Before: 33.66 After: 33.66

Res. Park Mc. Park 70	Do Nothing Before: 36.77 After: 36.77
Res. Park Mc. Park 80	Do Nothing Before: 27.44 After: 27.44
Res. Park Mc. Park 90	Do Nothing Before: 7.74 After: 7.74
Res. Park SYBASE Dr. 10	Do Nothing Before: 6.73 After: 6.73
Res. Park SYBASE Dr. 20	Do Nothing Before: 11.91 After: 11.91
Res. Park SYBASE Dr. 30	Do Nothing Before: 63.75 After: 63.75
Res. Park SYBASE Prk 10	(2) Surface Seal - Fog Seal \$2952 Before: 62.69 After: 65.96
Res. Park SYBASE Prk 20	Do Nothing Before: 61.65 After: 61.65
Res. Park SYBASE Prk 30	Do Nothing Before: 45.07 After: 45.07
Res. Park SYBASE Prk 40	Do Nothing Before: 34.7 After: 34.7
S Campus S CAMP Dr. 10	(2) Surface Seal - Fog Seal \$538 Before: 65.2 After: 72.98
S Campus S CAMP Dr. 20	Do Nothing Before: 36.94 After: 36.94
S Campus S CAMP Dr. 30	Do Nothing Before: 23.45 After: 23.45
S Campus T Court Dr 10	Do Nothing Before: 2.45 After: 2.45
W Main C Clare Dr 10	Do Nothing Before: 41.43 After: 41.43
W Main C EuclidDr 10	Do Nothing Before: 29.5 After: 29.5
W Main C Franklin D 10	Do Nothing Before: 46.19 After: 46.19
W Main C Franklin D 20	Do Nothing Before: 83.16 After: 83.16
W Main C Franklin D 30	Do Nothing Before: 59.59 After: 59.59
W Main C Macky Dr 10	Do Nothing Before: 73.78 After: 73.78
W Main C Macky Dr 20	Do Nothing Before: 76.52 After: 76.52
W Main C Macky LdDr 10	(2) Surface Seal - Fog Seal \$472 Before: 83.15 After: 88.16
W Main C PleasantSt 10	(2) Surface Seal - Fog Seal \$1508 Before: 85.47 After: 91.88
W Main C PleasantSt 20	Do Nothing Before: 67.55 After: 67.55
W Main C PleasantSt 30	Do Nothing Before: 83.9 After: 83.9
W Main C StadiumDr 10	Do Nothing Before: 67.55 After: 67.55
W Main C StadiumDr 20	Major Above Critical \$25833 Before: 58.51 After: 100
2015	
<i>Network/ Branch/ Section</i>	<i>Work Required</i>
E Campus 33rd st. 10	Do Nothing Before: 80.18 After: 80.18
E Campus ARC E. Dr. 10	Do Nothing Before: 53.09 After: 53.09
E Campus ARC E. Dr. 20	Do Nothing Before: 43.78 After: 43.78
E Campus ARC W. Dr. 10	Do Nothing Before: 76.28 After: 76.28
E Campus ARC W. Dr. 20	Do Nothing Before: 28.35 After: 28.35
E Campus Lot 566 Dr 10	Do Nothing Before: 98.66 After: 98.66
E Campus Lot 566 Dr 20	Do Nothing Before: 37.7 After: 37.7
E Campus Marine St. 10	Do Nothing Before: 76.31 After: 76.31
E Campus Marine St. 20	Do Nothing Before: 89.54 After: 89.54
E Campus Marine St. 30	Do Nothing Before: 83.89 After: 83.89
E Campus Marine St. 40	Major Above Critical \$32829 Before: 56.69 After: 100

E Campus Marine St. 50	Do Nothing Before: 78.57 After: 78.57
E Main C 18th St 10	Do Nothing Before: 67.29 After: 67.29
E Main C 18th St 20	Do Nothing Before: 98.66 After: 98.66
E Main C Baker Dr 10	Major Above Critical \$92109 Before: 55.38 After: 100
E Main C Colorado A 10	Do Nothing Before: 54.21 After: 54.21
E Main C Colorado A 20	Do Nothing Before: 44.73 After: 44.73
E Main C Engg Dr. 10	Do Nothing Before: 35.28 After: 35.28
E Main C Kitt Loop 10	Do Nothing Before: 84.5 After: 84.5
E Main C Kitt Loop 20	Do Nothing Before: 24.83 After: 24.83
E Main C Kitt Loop 30	Do Nothing Before: 89.26 After: 89.26
E Main C Kitt Loop 40	Do Nothing Before: 48.73 After: 48.73
E Main C Kitt Loop 50	Do Nothing Before: 79.11 After: 79.11
E Main C Kitt Loop 60	Do Nothing Before: 86.72 After: 86.72
E Main C Kitt Loop 70	Do Nothing Before: 47.87 After: 47.87
E Main C Kitt Loop 80	Do Nothing Before: 30.9 After: 30.9
E Main C Libby Dr. 10	Do Nothing Before: 60.31 After: 60.31
E Main C Libby Dr. 20	Do Nothing Before: 74.16 After: 74.16
E Main C Lot 420 Dr 10	Do Nothing Before: 80.39 After: 80.39
E Main C Lot325 Dr. 10	Do Nothing Before: 33.84 After: 33.84
E Main C Willard Lp 10	Do Nothing Before: 89.33 After: 89.33
E Main C Wrdbnrg Dr 10	Do Nothing Before: 38.44 After: 38.44
E Main C Wrdbnrg Dr 20	Do Nothing Before: 78.54 After: 78.54
Grandview 13th St 10	Do Nothing Before: 97 After: 97
Grandview 15th St 10	Do Nothing Before: 97 After: 97
Grandview Armory 10	Do Nothing Before: 34.35 After: 34.35
Grandview Grandview 10	Do Nothing Before: 35.41 After: 35.41
Grandview Grandview 20	Do Nothing Before: 47.06 After: 47.06
Grandview KAT Alley 10	Do Nothing Before: 0 After: 0
Grandview KAT Alley 20	Do Nothing Before: 32.23 After: 32.23
Grandview Lot 258 Dr 10	Do Nothing Before: 57.64 After: 57.64
Grandview Lot 282 Dr 10	Do Nothing Before: 95.76 After: 95.76
Grandview Native Ame 10	Do Nothing Before: 24.82 After: 24.82
Housing Andrews/Ar 10	Do Nothing Before: 82.72 After: 82.72
Housing CheyArapLD 10	Do Nothing Before: 98.66 After: 98.66
Load Dock AeroDLC LD 10	Do Nothing Before: 13.84 After: 13.84
Load Dock AeroDLC LD 20	Do Nothing Before: 78.58 After: 78.58
Load Dock Comp LD 10	Do Nothing Before: 42.07 After: 42.07
Load Dock Fleming Dr 30	Do Nothing Before: 92.43 After: 92.43
Load Dock Hale LD 10	Do Nothing Before: 42.83 After: 42.83

Load Dock IBG LD 10	Do Nothing Before: 0 After: 0
Load Dock Regent Ldg 10	Do Nothing Before: 42.94 After: 42.94
Parking EHSC Dr. 10	Do Nothing Before: 75.31 After: 75.31
Parking Fleming Dr 10	Do Nothing Before: 3.21 After: 3.21
Parking Fleming Dr 20	Do Nothing Before: 26.23 After: 26.23
Parking Lot 310Dr. 10	Do Nothing Before: 46.69 After: 46.69
Parking Lot 418 Dr 10	Do Nothing Before: 42.85 After: 42.85
Parking Tranp Serv 10	Do Nothing Before: 20.83 After: 20.83
Res. Park 38 street 10	Do Nothing Before: 89.41 After: 89.41
Res. Park 38 street 20	Do Nothing Before: 31.83 After: 31.83
Res. Park LASP Dr. 10	Do Nothing Before: 34.53 After: 34.53
Res. Park LASP Park 10	Do Nothing Before: 46.98 After: 46.98
Res. Park Mc. Dr. 10	Do Nothing Before: .29 After: .29
Res. Park Mc. Dr. 20	Do Nothing Before: 3.7 After: 3.7
Res. Park Mc. Dr. 30	Do Nothing Before: 41.57 After: 41.57
Res. Park Mc. Dr. 40	Do Nothing Before: 19.93 After: 19.93
Res. Park Mc. LD 10	Do Nothing Before: 31.84 After: 31.84
Res. Park Mc. Park 10	Do Nothing Before: 16.68 After: 16.68
Res. Park Mc. Park 20	Do Nothing Before: 12.36 After: 12.36
Res. Park Mc. Park 30	Do Nothing Before: 15.61 After: 15.61
Res. Park Mc. Park 40	Do Nothing Before: 61.04 After: 61.04
Res. Park Mc. Park 50	Do Nothing Before: 30.75 After: 30.75
Res. Park Mc. Park 60	Do Nothing Before: 30.75 After: 30.75
Res. Park Mc. Park 70	Do Nothing Before: 34 After: 34
Res. Park Mc. Park 80	Do Nothing Before: 24.26 After: 24.26
Res. Park Mc. Park 90	Do Nothing Before: 3.7 After: 3.7
Res. Park SYBASE Dr. 10	Do Nothing Before: 2.64 After: 2.64
Res. Park SYBASE Dr. 20	Do Nothing Before: 8.05 After: 8.05
Res. Park SYBASE Dr. 30	Major Above Critical \$24005 Before: 62.16 After: 100
Res. Park SYBASE Prk 10	Do Nothing Before: 64.33 After: 64.33
Res. Park SYBASE Prk 20	Do Nothing Before: 59.97 After: 59.97
Res. Park SYBASE Prk 30	Do Nothing Before: 42.66 After: 42.66
Res. Park SYBASE Prk 40	Do Nothing Before: 31.84 After: 31.84
S Campus S CAMP Dr. 10	Do Nothing Before: 69.48 After: 69.48
S Campus S CAMP Dr. 20	Do Nothing Before: 33.13 After: 33.13
S Campus S CAMP Dr. 30	Do Nothing Before: 22.83 After: 22.83
S Campus T Court Dr 10	Do Nothing Before: 1.83 After: 1.83
W Main C Clare Dr 10	Do Nothing Before: 36.81 After: 36.81
W Main C EuclidDr 10	Do Nothing Before: 28.17 After: 28.17
W Main C Franklin D 10	Do Nothing Before: 41.02 After: 41.02
W Main C Franklin D 20	Do Nothing Before: 81.71 After: 81.71

W Main C Franklin D 30	Do Nothing Before: 54.21 After: 54.21
W Main C Macky Dr 10	Do Nothing Before: 70.5 After: 70.5
W Main C Macky Dr 20	Do Nothing Before: 74.15 After: 74.15
W Main C Macky LdDr 10	Do Nothing Before: 85.3 After: 85.3
W Main C PleasantSt 10	Do Nothing Before: 88.4 After: 88.4
W Main C PleasantSt 20	Do Nothing Before: 62.96 After: 62.96
W Main C PleasantSt 30	Do Nothing Before: 82.2 After: 82.2
W Main C StadiumDr 10	Do Nothing Before: 62.96 After: 62.96
W Main C StadiumDr 20	Do Nothing Before: 98.66 After: 98.66
2016	
<i>Network/ Branch/ Section</i>	<i>Work Required</i>
E Campus 33rd st. 10	Do Nothing Before: 79.27 After: 79.27
E Campus ARC E. Dr. 10	Do Nothing Before: 47.58 After: 47.58
E Campus ARC E. Dr. 20	Do Nothing Before: 38.85 After: 38.85
E Campus ARC W. Dr. 10	Do Nothing Before: 73.82 After: 73.82
E Campus ARC W. Dr. 20	Do Nothing Before: 27.68 After: 27.68
E Campus Lot 566 Dr 10	Do Nothing Before: 95.62 After: 95.62
E Campus Lot 566 Dr 20	Do Nothing Before: 33.73 After: 33.73
E Campus Marine St. 10	Do Nothing Before: 73.86 After: 73.86
E Campus Marine St. 20	Do Nothing Before: 86.4 After: 86.4
E Campus Marine St. 30	Do Nothing Before: 82.19 After: 82.19
E Campus Marine St. 40	Do Nothing Before: 98.66 After: 98.66
E Campus Marine St. 50	Do Nothing Before: 77.15 After: 77.15
E Main C 18th St 10	Major Above Critical \$51355 Before: 62.67 After: 100
E Main C 18th St 20	Do Nothing Before: 95.62 After: 95.62
E Main C Baker Dr 10	Do Nothing Before: 98.66 After: 98.66
E Main C Colorado A 10	Do Nothing Before: 48.69 After: 48.69
E Main C Colorado A 20	Do Nothing Before: 39.7 After: 39.7
E Main C Engg Dr. 10	Do Nothing Before: 31.87 After: 31.87
E Main C Kitt Loop 10	Do Nothing Before: 82.61 After: 82.61
E Main C Kitt Loop 20	Do Nothing Before: 24.21 After: 24.21
E Main C Kitt Loop 30	Do Nothing Before: 86.17 After: 86.17
E Main C Kitt Loop 40	Do Nothing Before: 43.38 After: 43.38
E Main C Kitt Loop 50	Do Nothing Before: 78 After: 78
E Main C Kitt Loop 60	Do Nothing Before: 84.19 After: 84.19
E Main C Kitt Loop 70	Do Nothing Before: 42.57 After: 42.57
E Main C Kitt Loop 80	Do Nothing Before: 28.92 After: 28.92
E Main C Libby Dr. 10	Do Nothing Before: 54.97 After: 54.97
E Main C Libby Dr. 20	Do Nothing Before: 70.99 After: 70.99
E Main C Lot 420 Dr 10	Do Nothing Before: 79.83 After: 79.83

E Main C Lot325 Dr. 10	Do Nothing Before: 30.83 After: 30.83
E Main C Willard Lp 10	Do Nothing Before: 86.23 After: 86.23
E Main C Wrdsnbrg Dr 10	Do Nothing Before: 34.32 After: 34.32
E Main C Wrdsnbrg Dr 20	Do Nothing Before: 77.11 After: 77.11
Grandview 13th St 10	Do Nothing Before: 94 After: 94
Grandview 15th St 10	Do Nothing Before: 94 After: 94
Grandview Armory 10	Do Nothing Before: 32.41 After: 32.41
Grandview Grandview 10	Do Nothing Before: 33.51 After: 33.51
Grandview Grandview 20	Do Nothing Before: 45.5 After: 45.5
Grandview KAT Alley 10	Do Nothing Before: 0 After: 0
Grandview KAT Alley 20	Do Nothing Before: 30.23 After: 30.23
Grandview Lot 258 Dr 10	Do Nothing Before: 56.39 After: 56.39
Grandview Lot 282 Dr 10	Do Nothing Before: 95.64 After: 95.64
Grandview Native Ame 10	Do Nothing Before: 22.6 After: 22.6
Housing Andrews/Ar 10	Do Nothing Before: 81.43 After: 81.43
Housing CheyArapLD 10	Do Nothing Before: 95.62 After: 95.62
Load Dock AeroDLC LD 10	Do Nothing Before: 13.22 After: 13.22
Load Dock AeroDLC LD 20	Do Nothing Before: 77.17 After: 77.17
Load Dock Comp LD 10	Do Nothing Before: 37.36 After: 37.36
Load Dock Fleming Dr 30	Do Nothing Before: 88.9 After: 88.9
Load Dock Hale LD 10	Do Nothing Before: 38.02 After: 38.02
Load Dock IBG LD 10	Major Below Critical \$2854 Before: 0 After: 100
Load Dock Regent Ldg 10	Do Nothing Before: 38.11 After: 38.11
Parking EHSC Dr. 10	Do Nothing Before: 72.5 After: 72.5
Parking Fleming Dr 10	Do Nothing Before: 2.59 After: 2.59
Parking Fleming Dr 20	Do Nothing Before: 25.61 After: 25.61
Parking Lot 310Dr. 10	Do Nothing Before: 41.48 After: 41.48
Parking Lot 418 Dr 10	Do Nothing Before: 38.03 After: 38.03
Parking Tranp Serv 10	Do Nothing Before: 20.21 After: 20.21
Res. Park 38 street 10	Do Nothing Before: 86.29 After: 86.29
Res. Park 38 street 20	Do Nothing Before: 29.49 After: 29.49
Res. Park LASP Dr. 10	Do Nothing Before: 31.32 After: 31.32
Res. Park LASP Park 10	Do Nothing Before: 44.75 After: 44.75
Res. Park Mc. Dr. 10	Do Nothing Before: 0 After: 0
Res. Park Mc. Dr. 20	Do Nothing Before: 0 After: 0
Res. Park Mc. Dr. 30	Do Nothing Before: 39.12 After: 39.12
Res. Park Mc. Dr. 40	Do Nothing Before: 16.57 After: 16.57
Res. Park Mc. LD 10	Do Nothing Before: 28.98 After: 28.98
Res. Park Mc. Park 10	Do Nothing Before: 13.18 After: 13.18

Res. Park Mc. Park 20	Do Nothing Before: 8.68 After: 8.68
Res. Park Mc. Park 30	Do Nothing Before: 12.07 After: 12.07
Res. Park Mc. Park 40	Do Nothing Before: 59.4 After: 59.4
Res. Park Mc. Park 50	Do Nothing Before: 27.84 After: 27.84
Res. Park Mc. Park 60	Do Nothing Before: 27.84 After: 27.84
Res. Park Mc. Park 70	Do Nothing Before: 31.23 After: 31.23
Res. Park Mc. Park 80	Do Nothing Before: 21.08 After: 21.08
Res. Park Mc. Park 90	Do Nothing Before: 0 After: 0
Res. Park SYBASE Dr. 10	Do Nothing Before: 0 After: 0
Res. Park SYBASE Dr. 20	Do Nothing Before: 4.19 After: 4.19
Res. Park SYBASE Dr. 30	Do Nothing Before: 97 After: 97
Res. Park SYBASE Prk 10	Do Nothing Before: 62.69 After: 62.69
Res. Park SYBASE Prk 20	Do Nothing Before: 58.29 After: 58.29
Res. Park SYBASE Prk 30	Do Nothing Before: 40.25 After: 40.25
Res. Park SYBASE Prk 40	Do Nothing Before: 28.98 After: 28.98
S Campus S CAMP Dr. 10	Do Nothing Before: 65.21 After: 65.21
S Campus S CAMP Dr. 20	Do Nothing Before: 30.34 After: 30.34
S Campus S CAMP Dr. 30	Do Nothing Before: 22.21 After: 22.21
S Campus T Court Dr 10	Do Nothing Before: 1.21 After: 1.21
W Main C Clare Dr 10	Do Nothing Before: 33.03 After: 33.03
W Main C EuclidDr 10	Do Nothing Before: 27.61 After: 27.61
W Main C Franklin D 10	Do Nothing Before: 36.46 After: 36.46
W Main C Franklin D 20	Major Above Critical \$4126 Before: 80.8 After: 100
W Main C Franklin D 30	Do Nothing Before: 48.69 After: 48.69
W Main C Macky Dr 10	Do Nothing Before: 66.43 After: 66.43
W Main C Macky Dr 20	Do Nothing Before: 70.97 After: 70.97
W Main C Macky LdDr 10	Do Nothing Before: 83.16 After: 83.16
W Main C PleasantSt 10	Do Nothing Before: 85.48 After: 85.48
W Main C PleasantSt 20	Major Above Critical \$23085 Before: 57.82 After: 100
W Main C PleasantSt 30	Do Nothing Before: 81.11 After: 81.11
W Main C StadiumDr 10	Major Above Critical \$66519 Before: 57.82 After: 100
W Main C StadiumDr 20	Do Nothing Before: 95.62 After: 95.62
2017	
<i>Network/ Branch/ Section</i>	<i>Work Required</i>
E Campus 33rd st. 10	Do Nothing Before: 78.36 After: 78.36
E Campus ARC E. Dr. 10	Do Nothing Before: 42.29 After: 42.29
E Campus ARC E. Dr. 20	Do Nothing Before: 34.65 After: 34.65
E Campus ARC W. Dr. 10	Major Above Critical \$14900 Before: 70.54 After: 100
E Campus ARC W. Dr. 20	Do Nothing Before: 27.38 After: 27.38
E Campus Lot 566 Dr 10	Do Nothing Before: 91.97 After: 91.97

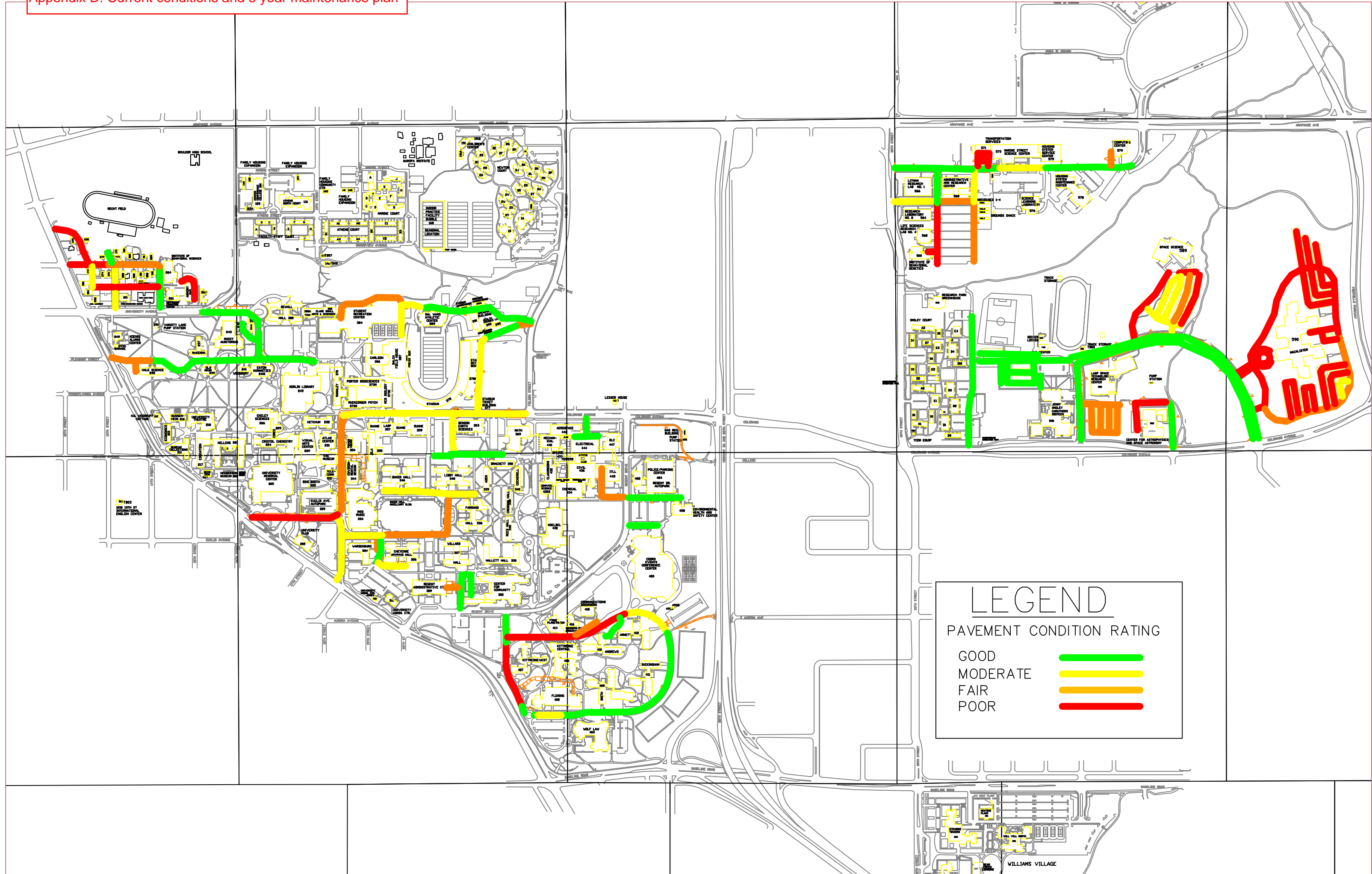
E Campus Lot 566 Dr 20	Do Nothing Before: 30.75 After: 30.75
E Campus Marine St. 10	Major Above Critical \$21360 Before: 70.59 After: 100
E Campus Marine St. 20	Do Nothing Before: 83.95 After: 83.95
E Campus Marine St. 30	Do Nothing Before: 81.1 After: 81.1
E Campus Marine St. 40	Do Nothing Before: 95.61 After: 95.61
E Campus Marine St. 50	Do Nothing Before: 75.03 After: 75.03
E Main C 18th St 10	Do Nothing Before: 98.65 After: 98.65
E Main C 18th St 20	Do Nothing Before: 91.97 After: 91.97
E Main C Baker Dr 10	Do Nothing Before: 95.61 After: 95.61
E Main C Colorado A 10	Do Nothing Before: 43.33 After: 43.33
E Main C Colorado A 20	Do Nothing Before: 35.34 After: 35.34
E Main C Engg Dr. 10	Do Nothing Before: 29.51 After: 29.51
E Main C Kitt Loop 10	Do Nothing Before: 81.36 After: 81.36
E Main C Kitt Loop 20	Do Nothing Before: 23.59 After: 23.59
E Main C Kitt Loop 30	Do Nothing Before: 83.78 After: 83.78
E Main C Kitt Loop 40	Do Nothing Before: 38.49 After: 38.49
E Main C Kitt Loop 50	Do Nothing Before: 76.28 After: 76.28
E Main C Kitt Loop 60	Do Nothing Before: 82.39 After: 82.39
E Main C Kitt Loop 70	Do Nothing Before: 37.78 After: 37.78
E Main C Kitt Loop 80	Do Nothing Before: 27.9 After: 27.9
E Main C Libby Dr. 10	Do Nothing Before: 49.44 After: 49.44
E Main C Libby Dr. 20	Major Above Critical \$18262 Before: 67.01 After: 100
E Main C Lot 420 Dr 10	(2) Surface Seal - Fog Seal \$1525 Before: 79.12 After: 80.39
E Main C Lot325 Dr. 10	Do Nothing Before: 28.88 After: 28.88
E Main C Willard Lp 10	Do Nothing Before: 83.82 After: 83.82
E Main C Wrdrnrg Dr 10	Do Nothing Before: 31.16 After: 31.16
E Main C Wrdrnrg Dr 20	Major Above Critical \$17595 Before: 74.97 After: 100
Grandview 13th St 10	Do Nothing Before: 91 After: 91
Grandview 15th St 10	Do Nothing Before: 91 After: 91
Grandview Armory 10	Do Nothing Before: 30.47 After: 30.47
Grandview Grandview 10	Do Nothing Before: 31.6 After: 31.6
Grandview Grandview 20	Do Nothing Before: 43.93 After: 43.93
Grandview KAT Alley 10	Do Nothing Before: 0 After: 0
Grandview KAT Alley 20	Do Nothing Before: 28.23 After: 28.23
Grandview Lot 258 Dr 10	Major Below Critical \$9148 Before: 55.14 After: 100
Grandview Lot 282 Dr 10	Do Nothing Before: 95.51 After: 95.51
Grandview Native Ame 10	Do Nothing Before: 20.38 After: 20.38
Housing Andrews/Ar 10	Do Nothing Before: 80.62 After: 80.62
Housing CheyArapLD 10	Do Nothing Before: 91.97 After: 91.97
Load Dock AeroDLC LD 10	Do Nothing Before: 12.6 After: 12.6

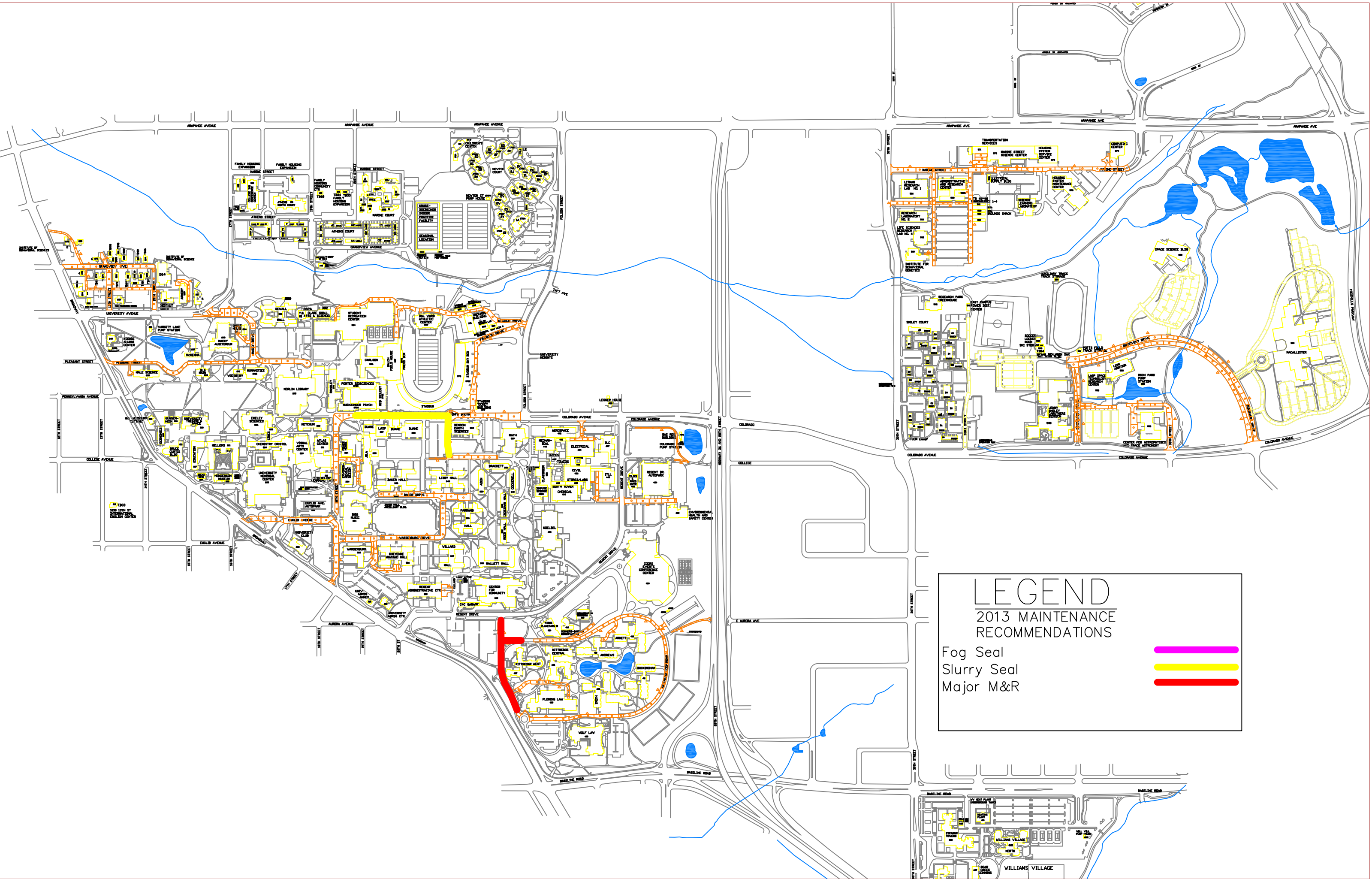
Load Dock AeroDLC LD 20	Do Nothing Before: 75.06 After: 75.06
Load Dock Comp LD 10	Do Nothing Before: 33.45 After: 33.45
Load Dock Fleming Dr 30	Do Nothing Before: 85.87 After: 85.87
Load Dock Hale LD 10	Do Nothing Before: 33.98 After: 33.98
Load Dock IBG LD 10	Do Nothing Before: 98.65 After: 98.65
Load Dock Regent Ldg 10	Do Nothing Before: 34.05 After: 34.05
Parking EHSC Dr. 10	Do Nothing Before: 68.87 After: 68.87
Parking Fleming Dr 10	Do Nothing Before: 1.97 After: 1.97
Parking Fleming Dr 20	Do Nothing Before: 24.99 After: 24.99
Parking Lot 310Dr. 10	Do Nothing Before: 36.84 After: 36.84
Parking Lot 418 Dr 10	Do Nothing Before: 33.98 After: 33.98
Parking Tranp Serv 10	Do Nothing Before: 19.59 After: 19.59
Res. Park 38 street 10	Do Nothing Before: 83.87 After: 83.87
Res. Park 38 street 20	Do Nothing Before: 28.16 After: 28.16
Res. Park LASP Dr. 10	Do Nothing Before: 29.17 After: 29.17
Res. Park LASP Park 10	Do Nothing Before: 42.52 After: 42.52
Res. Park Mc. Dr. 10	Do Nothing Before: 0 After: 0
Res. Park Mc. Dr. 20	Do Nothing Before: 0 After: 0
Res. Park Mc. Dr. 30	Do Nothing Before: 36.66 After: 36.66
Res. Park Mc. Dr. 40	Do Nothing Before: 13.2 After: 13.2
Res. Park Mc. LD 10	Do Nothing Before: 26.11 After: 26.11
Res. Park Mc. Park 10	Do Nothing Before: 9.67 After: 9.67
Res. Park Mc. Park 20	Do Nothing Before: 4.99 After: 4.99
Res. Park Mc. Park 30	Do Nothing Before: 8.52 After: 8.52
Res. Park Mc. Park 40	Do Nothing Before: 57.76 After: 57.76
Res. Park Mc. Park 50	Do Nothing Before: 24.93 After: 24.93
Res. Park Mc. Park 60	Do Nothing Before: 24.93 After: 24.93
Res. Park Mc. Park 70	Do Nothing Before: 28.45 After: 28.45
Res. Park Mc. Park 80	Do Nothing Before: 17.89 After: 17.89
Res. Park Mc. Park 90	Do Nothing Before: 0 After: 0
Res. Park SYBASE Dr. 10	Do Nothing Before: 0 After: 0
Res. Park SYBASE Dr. 20	Do Nothing Before: .32 After: .32
Res. Park SYBASE Dr. 30	Do Nothing Before: 94 After: 94
Res. Park SYBASE Prk 10	Do Nothing Before: 61.05 After: 61.05
Res. Park SYBASE Prk 20	Do Nothing Before: 56.6 After: 56.6
Res. Park SYBASE Prk 30	Do Nothing Before: 37.84 After: 37.84
Res. Park SYBASE Prk 40	Do Nothing Before: 26.11 After: 26.11
S Campus S CAMP Dr. 10	Do Nothing Before: 60.29 After: 60.29
S Campus S CAMP Dr. 20	Do Nothing Before: 28.6 After: 28.6
S Campus S CAMP Dr. 30	Do Nothing Before: 21.59 After: 21.59

S Campus T Court Dr 10	Do Nothing Before: .59 After: .59
W Main C Clare Dr 10	Do Nothing Before: 30.26 After: 30.26
W Main C EuclidDr 10	Do Nothing Before: 27.3 After: 27.3
W Main C Franklin D 10	Do Nothing Before: 32.75 After: 32.75
W Main C Franklin D 20	Do Nothing Before: 98.65 After: 98.65
W Main C Franklin D 30	Do Nothing Before: 43.33 After: 43.33
W Main C Macky Dr 10	Major Above Critical \$52824 Before: 61.67 After: 100
W Main C Macky Dr 20	Major Above Critical \$13805 Before: 66.99 After: 100
W Main C Macky LdDr 10	Do Nothing Before: 81.71 After: 81.71
W Main C PleasantSt 10	Do Nothing Before: 83.28 After: 83.28
W Main C PleasantSt 20	Do Nothing Before: 98.65 After: 98.65
W Main C PleasantSt 30	Do Nothing Before: 80.41 After: 80.41
W Main C StadiumDr 10	Do Nothing Before: 98.65 After: 98.65
W Main C StadiumDr 20	Do Nothing Before: 91.97 After: 91.97
2018	
<i>Network/ Branch/ Section</i>	<i>Work Required</i>
E Campus 33rd st. 10	Do Nothing Before: 77.45 After: 77.45
E Campus ARC E. Dr. 10	Do Nothing Before: 37.55 After: 37.55
E Campus ARC E. Dr. 20	Do Nothing Before: 31.41 After: 31.41
E Campus ARC W. Dr. 10	Do Nothing Before: 98.66 After: 98.66
E Campus ARC W. Dr. 20	Do Nothing Before: 26.67 After: 26.67
E Campus Lot 566 Dr 10	Do Nothing Before: 88.48 After: 88.48
E Campus Lot 566 Dr 20	Do Nothing Before: 28.83 After: 28.83
E Campus Marine St. 10	Do Nothing Before: 98.66 After: 98.66
E Campus Marine St. 20	Do Nothing Before: 82.23 After: 82.23
E Campus Marine St. 30	Do Nothing Before: 80.4 After: 80.4
E Campus Marine St. 40	Do Nothing Before: 91.97 After: 91.97
E Campus Marine St. 50	Major Above Critical \$39083 Before: 72.13 After: 100
E Main C 18th St 10	Do Nothing Before: 95.61 After: 95.61
E Main C 18th St 20	Do Nothing Before: 88.48 After: 88.48
E Main C Baker Dr 10	Do Nothing Before: 91.97 After: 91.97
E Main C Colorado A 10	Do Nothing Before: 38.46 After: 38.46
E Main C Colorado A 20	Do Nothing Before: 31.92 After: 31.92
E Main C Engg Dr. 10	Do Nothing Before: 28.17 After: 28.17
E Main C Kitt Loop 10	Do Nothing Before: 80.58 After: 80.58
E Main C Kitt Loop 20	Do Nothing Before: 22.97 After: 22.97
E Main C Kitt Loop 30	Do Nothing Before: 82.12 After: 82.12
E Main C Kitt Loop 40	Do Nothing Before: 34.36 After: 34.36
E Main C Kitt Loop 50	Do Nothing Before: 73.81 After: 73.81
E Main C Kitt Loop 60	Major Above Critical \$22826 Before: 81.22 After: 100

E Main C Kitt Loop 70	Do Nothing Before: 33.79 After: 33.79
E Main C Kitt Loop 80	Do Nothing Before: 27.51 After: 27.51
E Main C Libby Dr. 10	Major Below Critical \$29044 Before: 44.05 After: 100
E Main C Libby Dr. 20	Do Nothing Before: 98.66 After: 98.66
E Main C Lot 420 Dr 10	Do Nothing Before: 79.83 After: 79.83
E Main C Lot325 Dr. 10	Do Nothing Before: 27.88 After: 27.88
E Main C Willard Lp 10	Do Nothing Before: 82.15 After: 82.15
E Main C Wrdbnrg Dr 10	Do Nothing Before: 29.07 After: 29.07
E Main C Wrdbnrg Dr 20	Do Nothing Before: 98.66 After: 98.66
Grandview 13th St 10	Do Nothing Before: 88 After: 88
Grandview 15th St 10	Do Nothing Before: 88 After: 88
Grandview Armory 10	Do Nothing Before: 28.53 After: 28.53
Grandview Grandview 10	Do Nothing Before: 29.7 After: 29.7
Grandview Grandview 20	Do Nothing Before: 42.37 After: 42.37
Grandview KAT Alley 10	Do Nothing Before: 0 After: 0
Grandview KAT Alley 20	Do Nothing Before: 26.23 After: 26.23
Grandview Lot 258 Dr 10	Do Nothing Before: 97 After: 97
Grandview Lot 282 Dr 10	Do Nothing Before: 95.39 After: 95.39
Grandview Native Ame 10	Do Nothing Before: 18.16 After: 18.16
Housing Andrews/Ar 10	Do Nothing Before: 80.05 After: 80.05
Housing CheyArapLD 10	Do Nothing Before: 88.48 After: 88.48
Load Dock AeroDLC LD 10	Do Nothing Before: 11.98 After: 11.98
Load Dock AeroDLC LD 20	Do Nothing Before: 72.16 After: 72.16
Load Dock Comp LD 10	Major Below Critical \$21467 Before: 30.56 After: 100
Load Dock Fleming Dr 30	Do Nothing Before: 83.57 After: 83.57
Load Dock Hale LD 10	Do Nothing Before: 30.93 After: 30.93
Load Dock IBG LD 10	Do Nothing Before: 95.61 After: 95.61
Load Dock Regent Ldg 10	Do Nothing Before: 30.98 After: 30.98
Parking EHSC Dr. 10	Do Nothing Before: 64.5 After: 64.5
Parking Fleming Dr 10	Do Nothing Before: 1.35 After: 1.35
Parking Fleming Dr 20	Do Nothing Before: 24.37 After: 24.37
Parking Lot 310Dr. 10	Do Nothing Before: 33.06 After: 33.06
Parking Lot 418 Dr 10	Do Nothing Before: 30.93 After: 30.93
Parking Tranp Serv 10	Do Nothing Before: 18.97 After: 18.97
Res. Park 38 street 10	Do Nothing Before: 82.18 After: 82.18
Res. Park 38 street 20	Do Nothing Before: 27.61 After: 27.61
Res. Park LASP Dr. 10	Do Nothing Before: 28.01 After: 28.01
Res. Park LASP Park 10	Do Nothing Before: 40.29 After: 40.29
Res. Park Mc. Dr. 10	Do Nothing Before: 0 After: 0

Res. Park Mc. Dr. 20	Do Nothing Before: 0 After: 0
Res. Park Mc. Dr. 30	Do Nothing Before: 34.21 After: 34.21
Res. Park Mc. Dr. 40	Do Nothing Before: 9.84 After: 9.84
Res. Park Mc. LD 10	Do Nothing Before: 23.25 After: 23.25
Res. Park Mc. Park 10	Do Nothing Before: 6.17 After: 6.17
Res. Park Mc. Park 20	Do Nothing Before: 1.31 After: 1.31
Res. Park Mc. Park 30	Do Nothing Before: 4.98 After: 4.98
Res. Park Mc. Park 40	Do Nothing Before: 56.12 After: 56.12
Res. Park Mc. Park 50	Do Nothing Before: 22.02 After: 22.02
Res. Park Mc. Park 60	Do Nothing Before: 22.02 After: 22.02
Res. Park Mc. Park 70	Do Nothing Before: 25.68 After: 25.68
Res. Park Mc. Park 80	Do Nothing Before: 14.71 After: 14.71
Res. Park Mc. Park 90	Do Nothing Before: 0 After: 0
Res. Park SYBASE Dr. 10	Do Nothing Before: 0 After: 0
Res. Park SYBASE Dr. 20	Do Nothing Before: 0 After: 0
Res. Park SYBASE Dr. 30	Do Nothing Before: 91 After: 91
Res. Park SYBASE Prk 10	Do Nothing Before: 59.41 After: 59.41
Res. Park SYBASE Prk 20	Do Nothing Before: 54.92 After: 54.92
Res. Park SYBASE Prk 30	Do Nothing Before: 35.43 After: 35.43
Res. Park SYBASE Prk 40	Do Nothing Before: 23.25 After: 23.25
S Campus S CAMP Dr. 10	Major Below Critical \$13865 Before: 54.95 After: 100
S Campus S CAMP Dr. 20	Do Nothing Before: 27.77 After: 27.77
S Campus S CAMP Dr. 30	Do Nothing Before: 20.97 After: 20.97
S Campus T Court Dr 10	Do Nothing Before: 0 After: 0
W Main C Clare Dr 10	Do Nothing Before: 28.56 After: 28.56
W Main C EuclidDr 10	Do Nothing Before: 26.37 After: 26.37
W Main C Franklin D 10	Do Nothing Before: 30.08 After: 30.08
W Main C Franklin D 20	Do Nothing Before: 95.61 After: 95.61
W Main C Franklin D 30	Do Nothing Before: 38.46 After: 38.46
W Main C Macky Dr 10	Do Nothing Before: 98.66 After: 98.66
W Main C Macky Dr 20	Do Nothing Before: 98.66 After: 98.66
W Main C Macky LdDr 10	Do Nothing Before: 80.8 After: 80.8
W Main C PleasantSt 10	Do Nothing Before: 81.79 After: 81.79
W Main C PleasantSt 20	Do Nothing Before: 95.61 After: 95.61
W Main C PleasantSt 30	Major Above Critical \$19998 Before: 79.85 After: 100
W Main C StadiumDr 10	Do Nothing Before: 95.61 After: 95.61
W Main C StadiumDr 20	Do Nothing Before: 88.48 After: 88.48





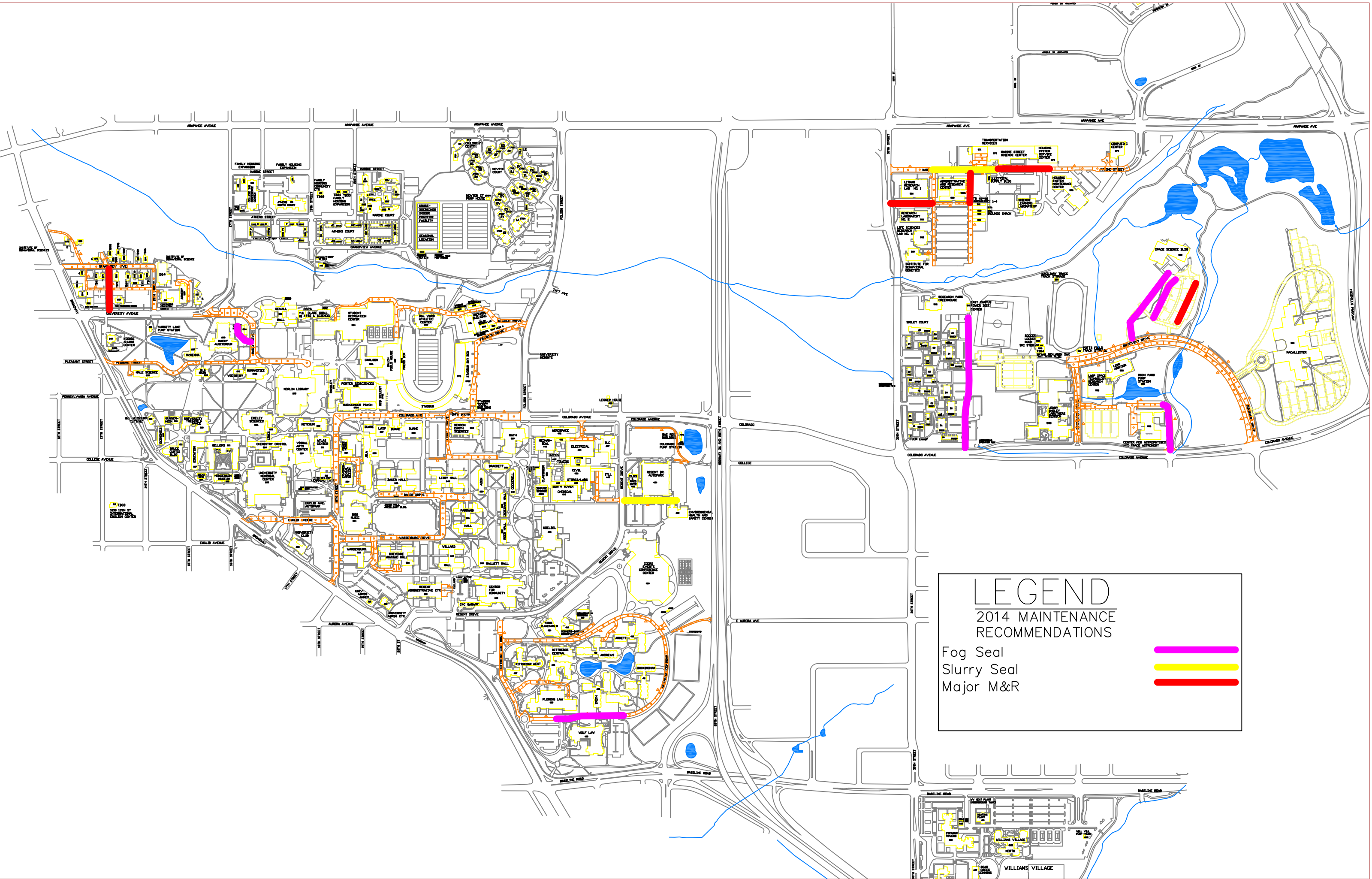
LEGEND

2013 MAINTENANCE
RECOMMENDATIONS

Fog Seal

Slurry Seal

Major M&R



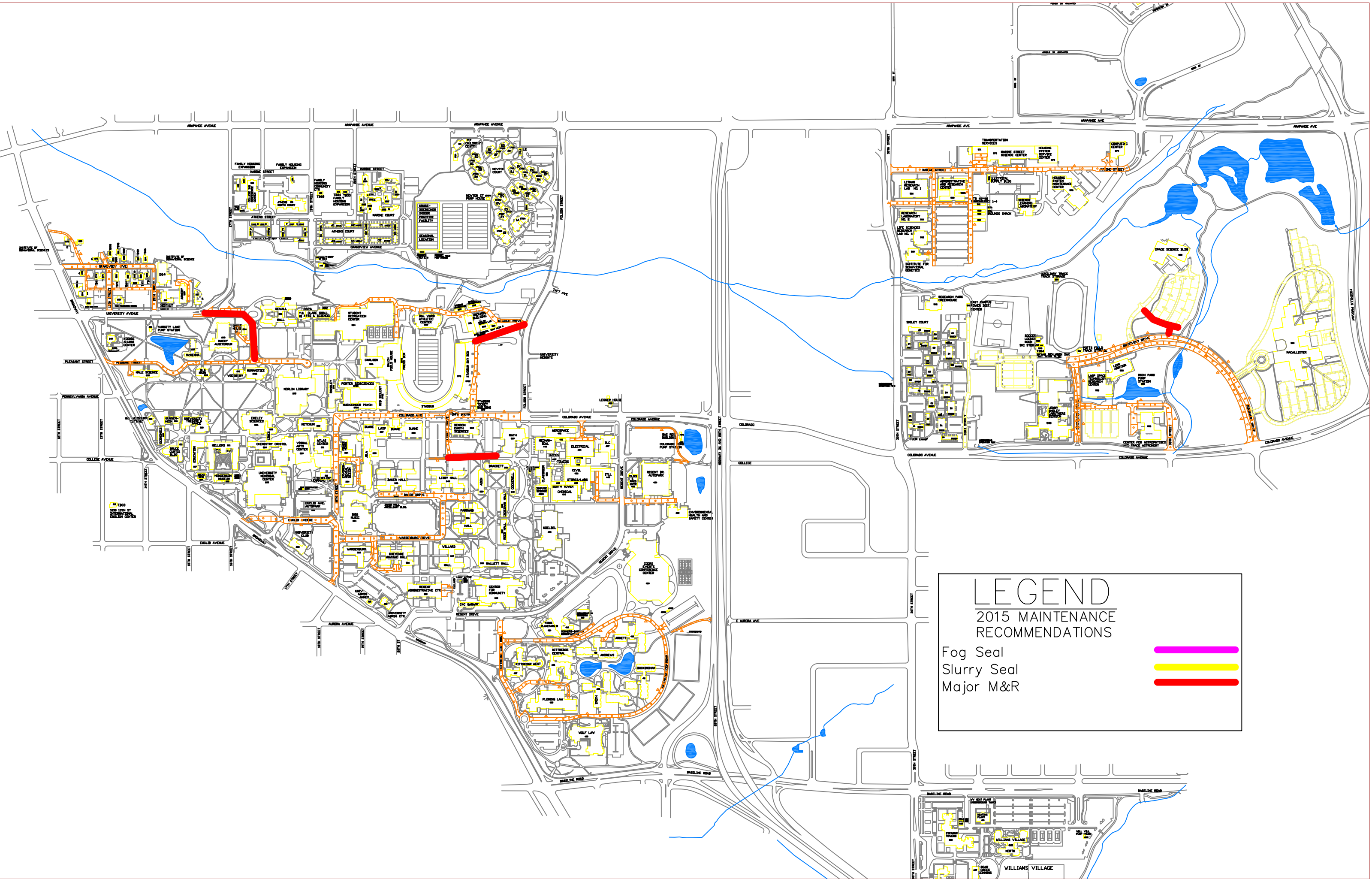
LEGEND

2014 MAINTENANCE RECOMMENDATIONS

Fog Seal

Slurry Seal

Major M&R



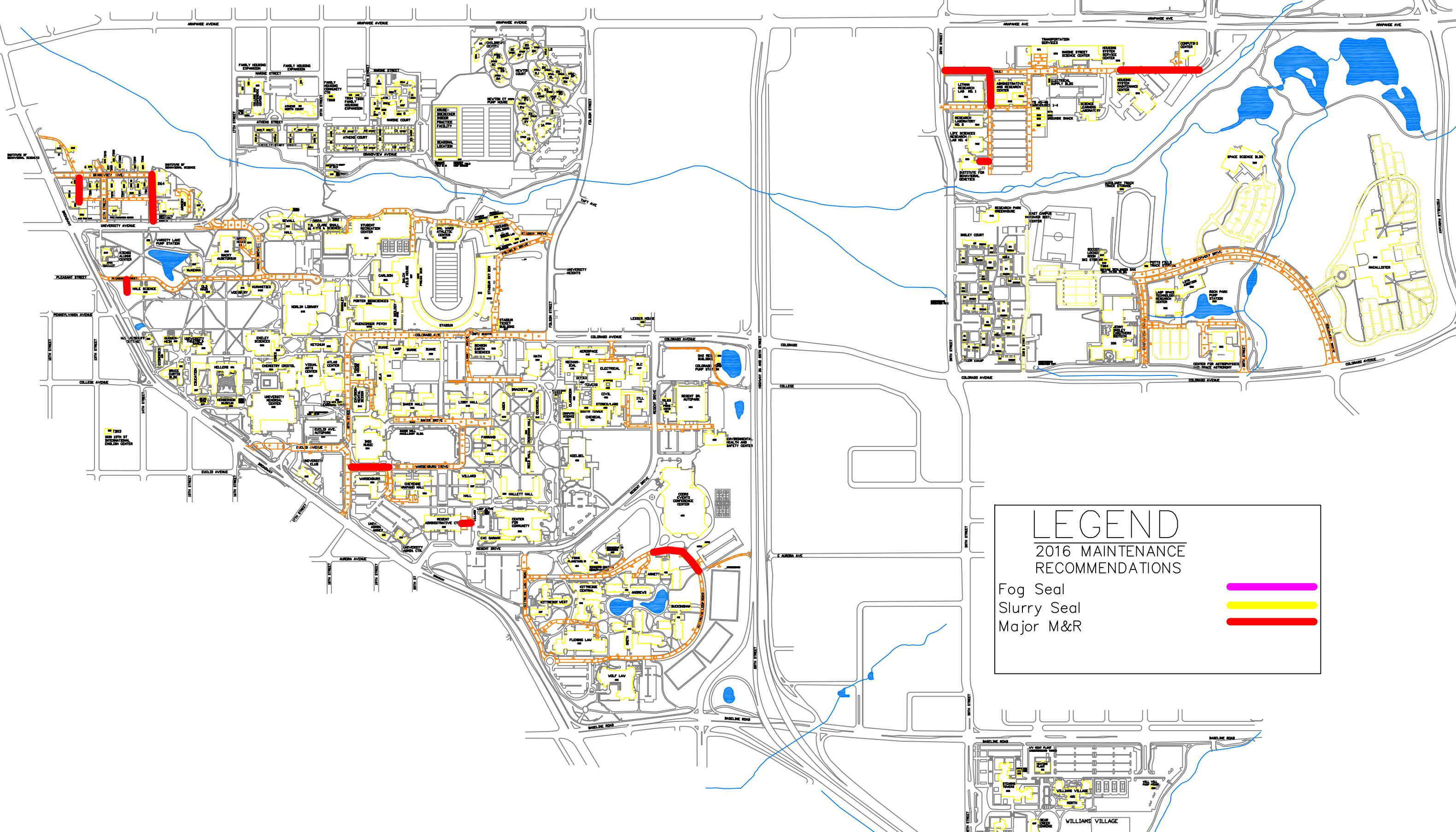
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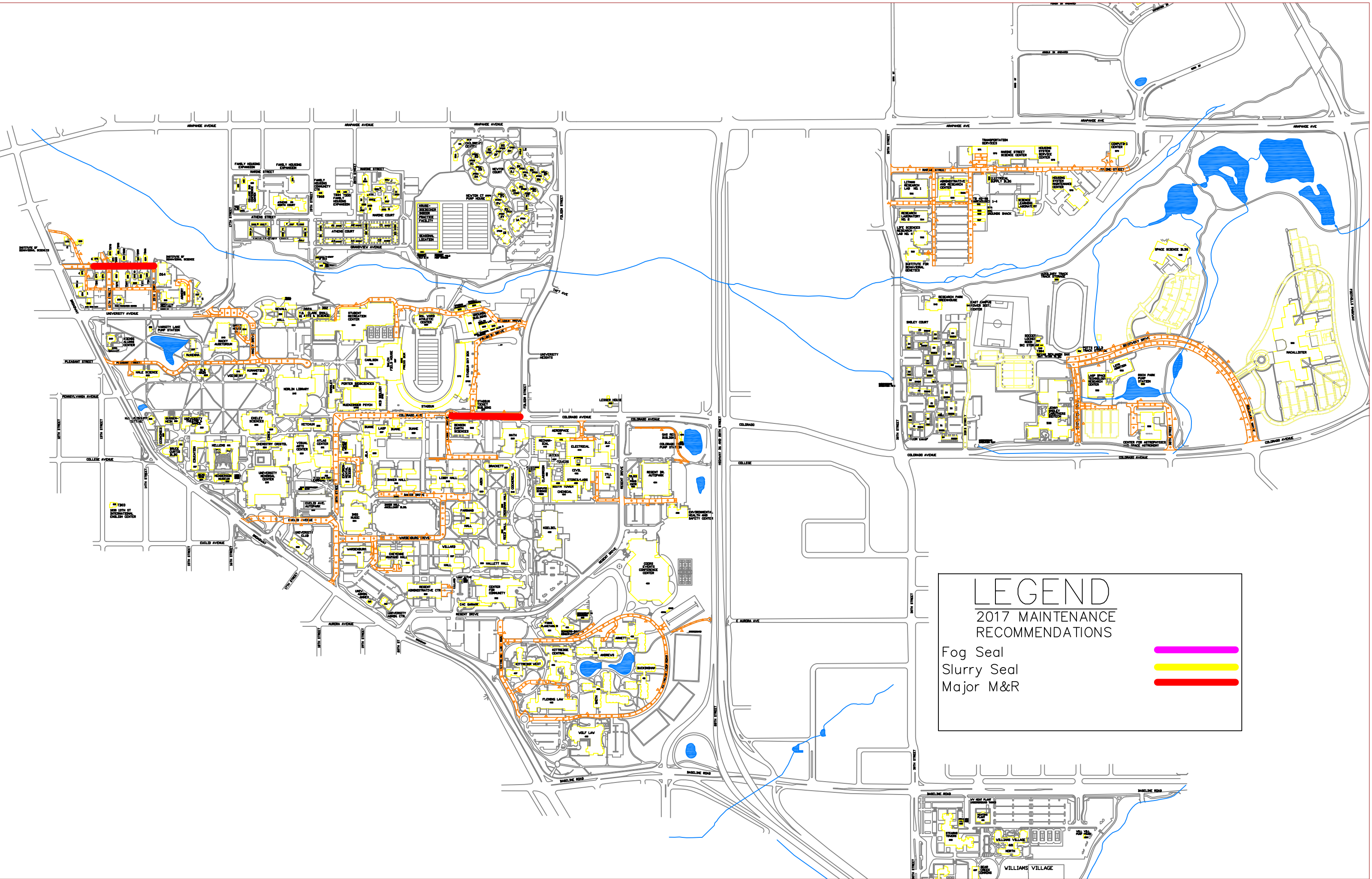
2015 MAINTENANCE
RECOMMENDATIONS

Fog Seal

Slurry Seal

Major M&R





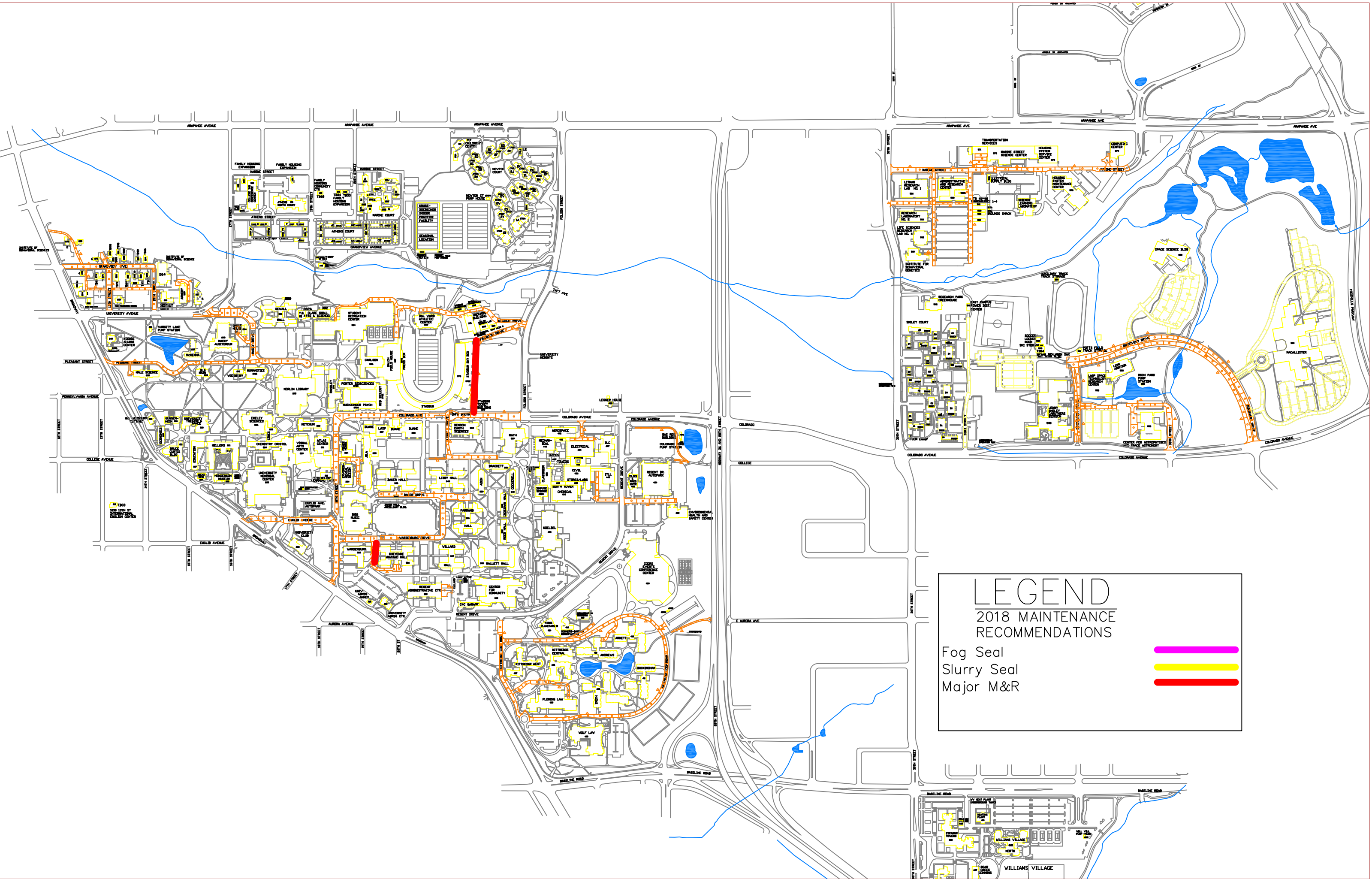
LEGEND

2017 MAINTENANCE
RECOMMENDATIONS

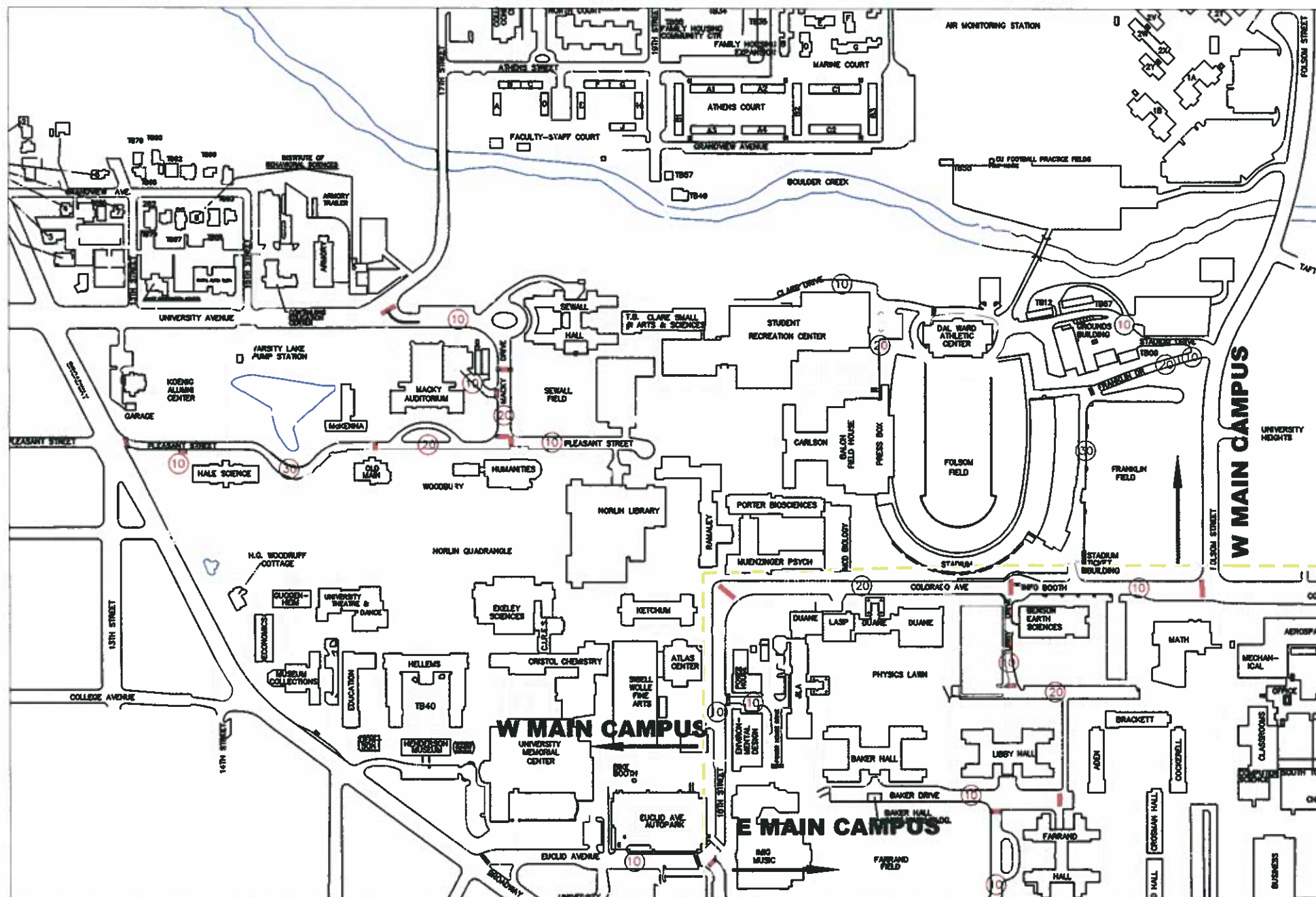
Fog Seal

Slurry Seal

Major M&R



Appendix E: Section Limits

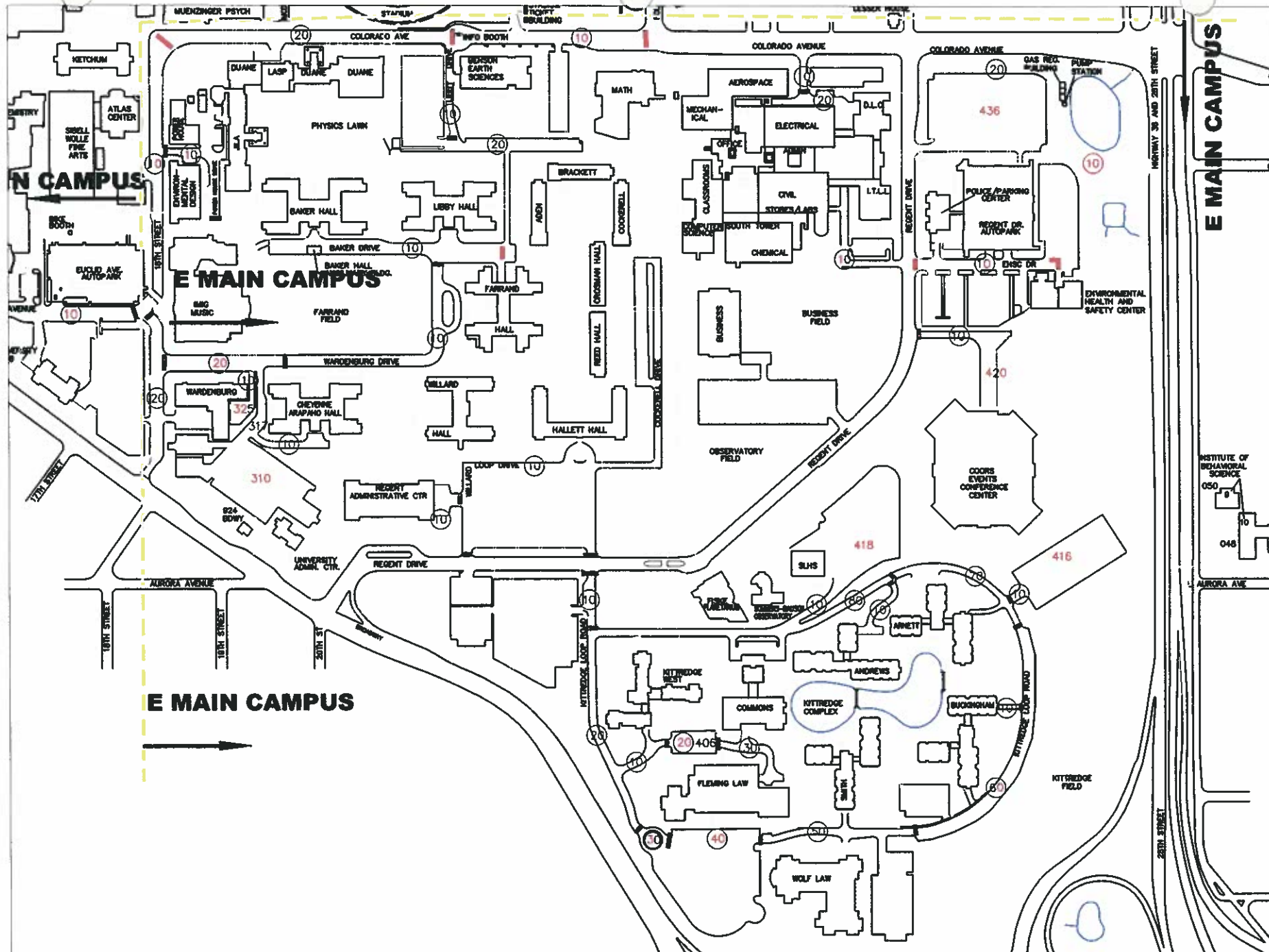


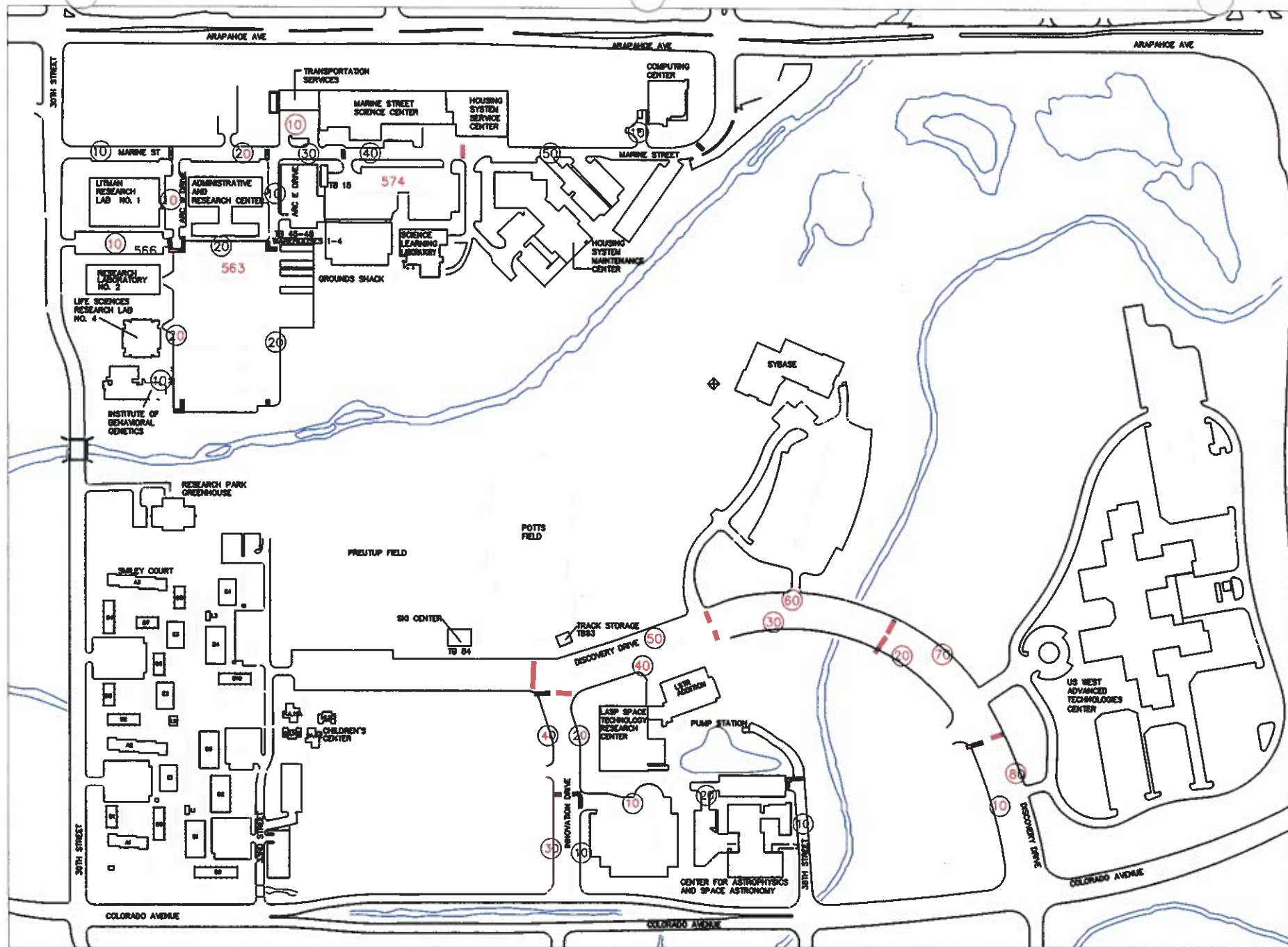
WEST MAIN CAMPUS

②0 SECTION NO.
SECTION LIMIT

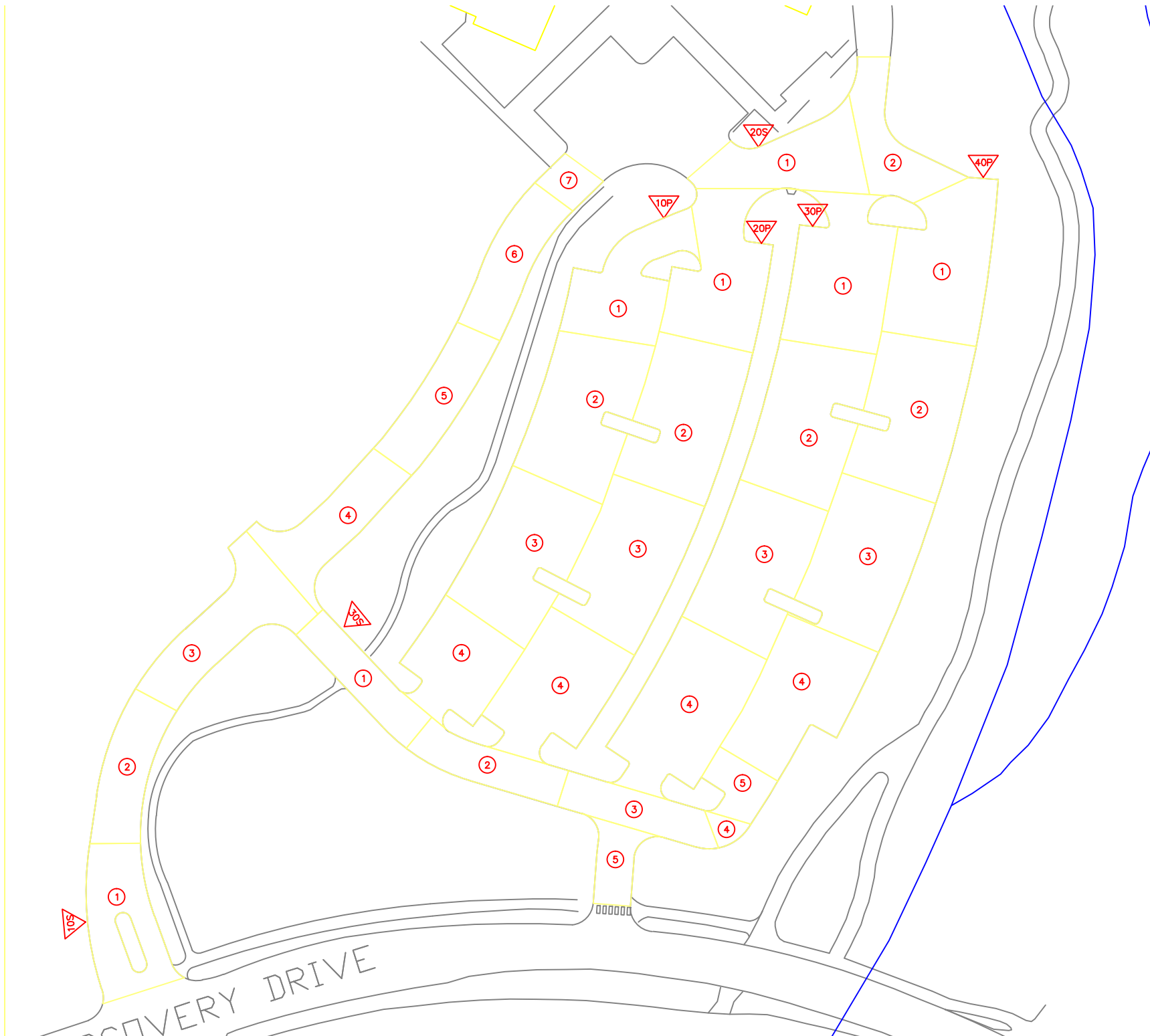
SECTION LIMITS

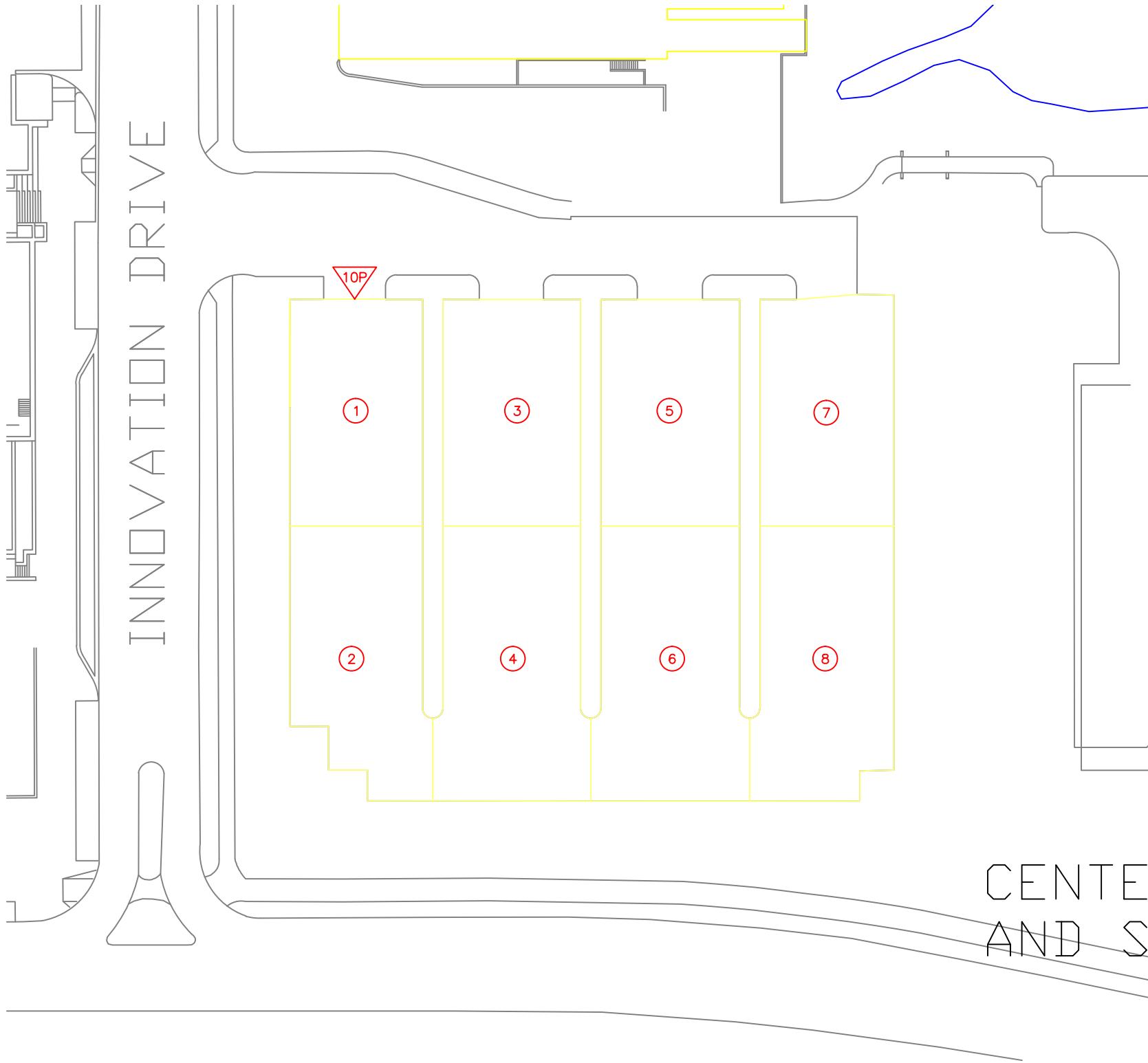
APRIL 2008





SYBASE PAVER MAP





LASP
PARKING
PAVER
MAP

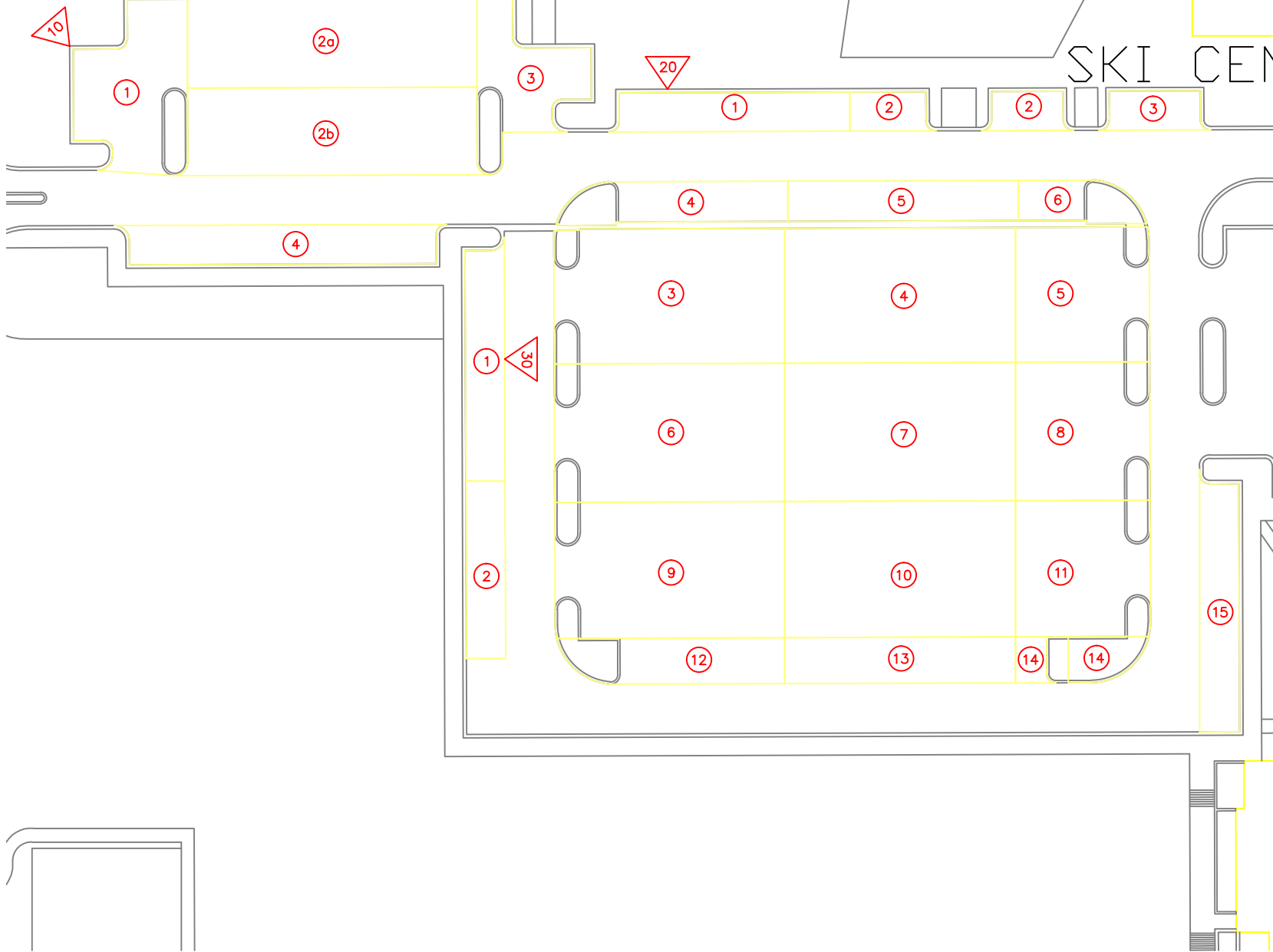
SULLER
LOCKER

547

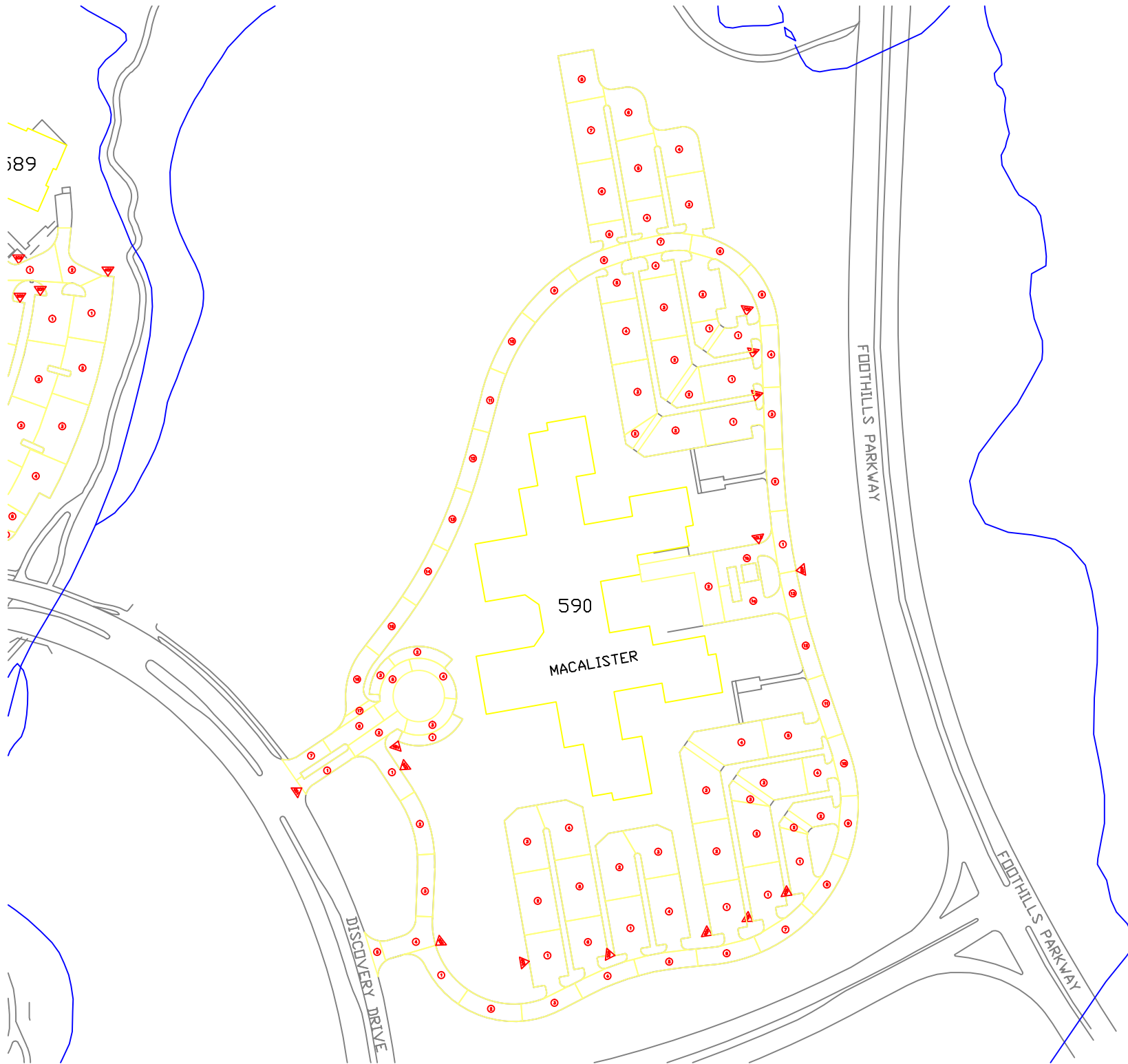
BIOTEC
PAVER

54
MAP

SKI CEN



MACALISTE PAVER MAP



33RD ST
PAVER MA

