



City of West Des Moines

2022

**SNOW AND ICE  
PROCEDURES MANUAL**



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SAMPLE

**CITY OF WEST DES MOINES**  
**SNOW AND ICE CONTROL PROCEDURES**  
**OPERATING INSTRUCTIONS AND SAFETY RULES FOR STAFF**

**1. WORK HOURS**

For major storm events, two 12 hour shifts will be established at the discretion of the Director of Public Services and/or Superintendent of Public Services.

**2. SAFETY PROCEDURES**

Safety is paramount during any snow storm. The following safety rules will be observed by all equipment operators.

- A. Check your snow removal equipment prior to leaving the yard and also the following:
  - 1) CDL Inspection Items
  - 2) All work lights and emergency lights
  - 3) Two-way radio
  - 4) Snow plow and frame for any damage or issues
  - 5) Material spreader
  - 6) Rear view mirrors
  - 7) Flags and reflectors
  - 8) Windshield wipers
  - 9) Heater and defroster
  - 10) All necessary mapping for snow and ice removal
  - 11) Liquid dispensing apparatus
- B. Report any non-working equipment to a Supervisor immediately.
- C. Use reasonable caution in operation of snow removal equipment.
- D. Drive cautiously.
- E. Utilize caution when operating in cramped quarters with parked cars on a street.
- F. Know your route and any fixed objects covered by snow.
- G. Obey all traffic laws.
- H. Do not follow traffic too closely.
- I. Pack cold weather gear.

- J. Slow down prior to turning—your plow will tend to push you where it wants to go.
- K. Equipment involved in snow and ice control operations is emergency equipment, but you as the operator, must obey all traffic laws and provide right-of-way to other vehicles.
- L. Do not attempt to tow private automobiles—offer assistance by way of radio contact to Dispatch or Supervisor.
- M. Utilize caution when operating deicing equipment. Watch for overhead obstructions. Lower box when necessary.

### **3. ACCIDENTS**

Report all moving vehicle accidents immediately to your Supervisor. Depending on the severity of the accident and availability due to storm related issues, the Police Department will typically be called to evaluate the accident. Prior to leaving duty on the shift, a Motor Vehicle Accident Report & Review form and the internal Vehicle Damage Claim Report should be filled out. Your Supervisor will attempt to interview the driver at the end of the shift or within 24 hours after return to normal duties. Accident forms should be available from the on-duty Supervisor or dispatcher.

### **4. CARE AND USE OF EQUIPMENT**

The snow plow operator is responsible for routine maintenance of the vehicle. Report any maintenance needed to the Supervisor or fleet staff on duty. Check vehicle before and after use for any maintenance needed or damage to equipment. Fill out Operations Daily Inspection Check Sheet. The vehicle should be refueled at the end of each operator's shift.

### **5. RADIO COMMUNICATIONS**

Operators are to take duty instructions from the Public Services Dispatcher or Supervisor on duty. The Police may report road conditions or other issues to the Public Work's Dispatcher or Supervisor. It will be the role of the Public Services Supervisor to direct all winter maintenance related operations.

### **6. DAILY REPORT**

Upon completion of the shift, operators are required to daily work electronically in Cartegraph. Enter time and equipment into correct work order and task for all snow related activities.

**USE OF  
ABRASIVES  
AND  
CHEMICALS**

**CITY OF WEST DES MOINES  
SNOW AND ICE CONTROL PROCEDURES**

**RECOMMENDED USE OF DEICERS**

Pavement Temperature	Type of Precipitation	Road Surface Condition	Plow
Near 30°	Sleet/Freezing Rain	Wet Pavement/ Icing	No
	Snow	Slush	Yes
20° - 30°	Sleet/Snow	Slush/ Snow	Yes
15° - 20°	Snow	Dry Pavement/ Slick Areas	Yes
			Yes
Below 15°	Snow	Dry Pavement	Yes

**GUIDELINES  
FOR  
STREETS  
AND HIGHWAYS**

**CITY OF WEST DES MOINES**  
**TRAIL PLOWING**

Trails along city streets and greenways may be plowed after 1” of accumulation.

Existing constructed trails that are waiting to be connected to the trail system will not be regularly plowed. Additionally, trail spurs that dead end off the plowed trail system, or those that have mid-block closures, will not be plowed. Exceptions may be made to trails that serve a specific purpose or serve the greater public.

**Examples of these types of sections:**

Grand Avenue west of S 50<sup>th</sup> Street  
Stagecoach west of 88<sup>th</sup> Street  
Grand at Interstate 35  
Veterans Parkway

**Raccoon River Park**

The gravel section of the trail, that loops Blue Herron Lake, will not be plowed. Porta pot service will be limited to times that access is possible and damage will not occur to the trail.

**Parks**

Interior sidewalks in Parks will not have snow removed. Interior Park loop trails will be plowed as time permits. These sections may be delayed during heavy events or times of low staff levels.

**CITY OF WEST DES MOINES  
SNOW AND ICE CONTROL PROCEDURES**

**PARKING LOTS**

\*Performed by snow contractor

<b>Priority</b>	<b>Description</b>	<b>Address</b>
1.	Fire Station #17	1401 Railroad
2.	Fire Station #18	S. 50 <sup>th</sup> & Grand Avenue
3.	Public Safety #19	8055 Mills Civic Parkway
4.	Fire Station #21	3421 Ashworth Road
5.	Fire Station #22	1801 68 <sup>th</sup> Street
6.	Law Enforcement Center	250 Mills Civic Parkway
7.	Library ( <i>PW assist with outer area of lot</i> )	4000 Mills Civic Parkway
8.	City Hall ( <i>PW assist with outer area of lot</i> )	4200 Mills Civic Parkway
9.	<i>Former</i> Human Services Building	318 5 <sup>th</sup> Street
10.	Human Services Building	139 6 <sup>th</sup> Street
11.	RRP Nature Lodge	2500 Grand Avenue
12.	Valley Junction Parking Lots	200 Block 4 <sup>th</sup> Street 200 Block 6 <sup>th</sup> Street 100 Block 6 <sup>th</sup> Street 100 Block 4 <sup>th</sup> Street 300 Block 6 <sup>th</sup> Street
13.	<i>Former</i> Phenix School	415 7 <sup>th</sup> Street
14.	Parks Maintenance Yard	1421 Maple
15.	City Parks <i>(PW will plow from the end of Lincoln to Grand, the loop around the softball complex and dog park at RRP)</i>	Legion, Fairmeadows, Pearson, Crossroads, Holiday, Jaycee, Southwoods, 50 <sup>th</sup> Street, RRP, Boat Ramp, Willow Springs, Scenic Valley, Wild Rose, Ashawa, Valley View
16.	Jordan Cemetery	2600 Block Fuller Road



<b>Priority</b>	<b>Description</b>	<b>Length (feet)</b>
11	Ashawa Park (4431 Waterford Drive)	1,359
12	Fire Station #21 sidewalks	544
13	Fire Station #17 sidewalks	1084
14	Fire Station #22 sidewalks	214
15	Fire Station #18 sidewalks	784
16	Public Safety Station #19 sidewalks	552
17	Fairmeadows Park (543 22 <sup>nd</sup> Street)	729
18	Fairmeadows North Greenway (Meadow lane & 27 <sup>th</sup> Street)	355
19	50 <sup>th</sup> Street near Lowes	65
20	42 <sup>nd</sup> Street @ I-235	273
21	Valley West Drive @ I-235	355
22	28 <sup>th</sup> Street @ I-235	468
23	22 <sup>nd</sup> Street @ I-235	648
24	17 <sup>th</sup> Street @ I-235	592
25	Pearson Park (1256 19 <sup>th</sup> Street)	569
26	Fairmeadows Greenway sidewalks (EP True Pkwy)	169
27	Beh Glen Greenway sidewalk (Grand Ave)	442
28	Kiwanis Park (3101 Maple Street)	571
29	Jordan Creek Greenway – EP True Pkwy east of Valley West Dr	365
30	Jordan Creek Greenway – Valley West Dr	416
31	Jordan Creek Greenway - E.P. True & 39 <sup>th</sup> Street	812
32	Jordan Creek Greenway - E.P. True west of rugby fields	1899
33	Jordan Creek Greenway – 50 <sup>th</sup> Street	555
34	Jordan Creek Greenway – under I35 bridge	935
35	Jordan Creek Greenway - Prairie View Dr	775
36	Jordan Creek Greenway – 60 <sup>th</sup> Street north of tracks	315
37	Jordan Creek Greenway – 60 <sup>th</sup> Street	187
38	Jordan Creek Greenway – EP True Pkwy west of Polo Apts.	90
39	Jordan Creek Greenway – 68 <sup>th</sup> Street	306
40	Jordan Creek Greenway – Jordan Creek Pkwy	888
41	Western Hills Park – 4100 Block of Walnut	30
42	Knolls Park sidewalks (5150 Aspen Dr)	201
43	Knolls Greenway South	974
44	Knolls Greenway North	475
45	Crossroads Park (5205 Ashworth Rd)	28
46	Meadowview Park sidewalks (638 Prairie View Dr)	720
47	Meadowview Greenway sidewalks	172
48	Jaycee Park sidewalks (5608 Center Street)	931
49	Legion Park sidewalks (301 Vine Street)	1351
50	1017 Maple Street (open lot)	48
51	100 11 <sup>th</sup> Street (open lot)	159
52	100 13 <sup>th</sup> Street (open lot)	188
53	Parks Maintenance Facility (1421 Maple Street)	253
54	Water Works Facility (Railroad Ave)	510

<u>Priority</u>	<u>Description</u>	<u>Length (feet)</u>
55	Scenic Valley Park (1223 S. 24 <sup>th</sup> Street)	64
56	Scenic Valley Greenway (S. 34 <sup>th</sup> St and Scenic Valley Dr)	447
57	Peony Park (1100 63 <sup>rd</sup> Street)	303
58	Willow Springs Park (5685 Wistful Vista Dr)	545
59	Wild Rose Park (6801 Cody Drive)	210
60	1 <sup>st</sup> Street north of Vine Street (open lot)	1185
61	1 <sup>st</sup> Street east of bowling alley (open lot)	526
62	221 8 <sup>th</sup> Street (open lot)	100
63	Wilson Park (298 9 <sup>th</sup> Street)	538
64	Florer Park (1410 Locust Street)	688
65	Jordan Cemetery (2950 Fuller Rd)	893
66	Mills Civic Pkwy @ I35 overpass	822
67	Huston Ridge Park (8455 Coachlight Dr)	1161
68	Valley View Park (255 81 <sup>st</sup> Street)	100
69	1859 University Ave (Pump House)	102
70	Grand Ave, west of Fire Station #18 (open lot)	963

#### TRAIL SNOW REMOVAL

<u>Priority</u>	<u>Description</u>	<u>Length (miles)</u>
1	50 <sup>th</sup> /S. 50 <sup>th</sup> Street Trail	3.57
2	60 <sup>th</sup> / S. 60 <sup>th</sup> Street Trail	2.68
3	68 <sup>th</sup> / S. 68 <sup>th</sup> Street Trail	1.27
4	81 <sup>st</sup> / S. 81 <sup>st</sup> Street Trail	1.18
5	88 <sup>th</sup> / S. 88 <sup>th</sup> Street Trail	.44
6	92 <sup>nd</sup> Street Trail	.81
7	Army Post Rd Trail	.19
8	Ashawa Greenway Trail	.75
9	Ashworth Rd Trail	1.24
10	Bridgewood Blvd Trail	.64
11	Chalk Street Trail	.26
12	Cody Drive Trail	.12
13	EP True Pkwy Trail	1.57
14	Grand Ave Trail	2.23
15	Jordan Creek Pkwy Trail	3.26
16	Lake Dr Trail	.17
17	Mills Civic Pkwy Trail	3.45
18	Office Plaza Dr Trail	.28

<u>Priority</u>	<u>Description</u>	<u>Length (miles)</u>
19	Pine Avenue Trail	.02
20	Railroad Ave Trail	.43
21	S. 8 <sup>th</sup> Street Trail	.05
22	S. 11 <sup>th</sup> Street Trail	.16
23	S. 19 <sup>th</sup> Street Trail	.48
24	S. 35 <sup>th</sup> Street Trail	.66
25	S. Prairie View Dr Trail	.13
26	Stagecoach Dr Trail	.92
27	Sugar Street Trail	.04
28	Veterans Pkwy Trail	1.36
29	Vista Dr Trail (bridge over I-80)	.45
30	Westown Pkwy Trail	2.06
31	Maffitt Lake Rd trail bridge	.08
32	Ashawa Park Trail	.36
33	Brookview Park Trail	.18
34	City Campus Trail	.72
35	Crossroads Park	.47
36	Fairmeadows Greenway Trail	.32
37	Fairmeadows Park Trail	.18
38	Holiday Park Trail	.87
39	Jaycee Park Trail	.4
40	Jordan Creek Greenway Trail	6.07
41	Knolls Greenway Trail	.82
42	Levee Trail	1.56
43	Maple Grove Park Trail	.45
44	Peony Park Trail	.67
45	Quail Cove Park	.26
46	Raccoon River Park Trail	1.17
47	Scenic Valley Park Trail	.39
48	Southwoods Park Trail	.43
49	Valley View Park Trail	.25
50	Westridge Greenway Trail	.66
51	Wild Rose Park	.33
52	Willow Springs Park	.63
53	Wilson Park	.09
54	Woodland Hills Greenway Trail	.06

## Guidelines for Plowing Public Safety Locations and City Parking Lots

### General plowing guidelines for all properties:

When plowing for access only, (during overnight storms and open business hours) push along main drives to designated areas. Detailed plowing will follow storm (generally 4 am to 10 am). Keep lot access open and/or work to reduce total snow accumulation by plowing to snow dumps. Key areas that may reduce ability for access are listed as “hot spots”.

Push all public street entrances to an interior area of the parking lot. DO NOT pile snow at entrances or on ROW. (NO “Guard Dogs”)

When possible, plow windrows to downwind locations to help avoid drifting. Arrows on maps show the direction to plow based on prevalent wind directions.

Move as much snow as feasible to snow dump locations listed on maps. If the piles become too large for the location City staff will work to distribute following initial plowing operations.

Plow snow away from entrances, overhead doors, walkways and handicap parking.

On occasion, the City will clear snow from areas that are normally the responsibility of the private property owner. This will only be in circumstances where the removal is incidental to snow removal being performed on sidewalks, trails, or parking lots that are the City’s responsibility. This will be done primarily to maximize efficiency of City snow removal operations, and not for the benefit of the private property owner. Example: Two City properties may be separated by private property; rather than backing up and/or leaving the sidewalk by driving across the grass parking area out into the street, the City employee may continue to remove snow from the sidewalk across the private property in order to access the adjacent City property.

### **Public Safety**

#### During snow events:

For storms that begin late in the day, continue overnight and are more than 2” in depth, or when drifting occurs, access for emergency vehicles need to be maintained. If a site has a specific need they will call dispatch with the request. Each site has different “hot spots” that should be addressed prior to the need if possible.

#### During ice events:

All public safety facilities need to have salt applied with careful attention to “hot spots”.

### **Raccoon River Park**

Plow main roadway from Grand to Lincoln and loop around softball complex. Use caution at center median islands located on the main park road, as the roadway may be too narrow to plow with all equipment.

### **All Other Parking Lots**

#### During snow events:

Overnight access is not generally important. If time allows see description on map for instructions.

#### During ice events:

Salt as needed.

# **SHIFT ASSIGNMENTS**

SAMPLE

# SUPERVISOR PAGER SCHEDULE

October 2022 — May 2023

**October 2022**

	M	T	W	Th	F	Sat	Sun
						1	2
Jeff	3	4	5	6	7	8	9
Ron	10	11	12	13	14	15	16
Brian	17	18	19	20	21	22	23
Paul	24	25	26	27	28	29	30
Mike	31						

**February 2023**

	M	T	W	Th	F	Sat	Sun
Brian			1	2	3	4	5
Paul	6	7	8	9	10	11	12
Mike	13	14	15	16	17	18	19
Jeff	20	21	22	23	24	25	26
Ron	27	28					

**November 2022**

	M	T	W	Th	F	Sat	Sun
Mike		1	2	3	4	5	6
Jeff	7	8	9	10	11	12	13
Ron	14	15	16	17	18	19	20
Brian	21	22	23	24	25	26	27
Paul	28	29	30				

**March 2023**

	M	T	W	Th	F	Sat	Sun
Ron			1	2	3	4	5
Brian	6	7	8	9	10	11	12
Paul	13	14	15	16	17	18	19
Mike	20	21	22	23	24	25	26
Jeff	27	28					

**December 2022**

	M	T	W	Th	F	Sat	Sun
Paul				1	2	3	4
Mike	5	6	7	8	9	10	11
Jeff	12	13	14	15	16	17	18
Ron	19	20	21	22	23	24	25
Brian	26	27	28	29	30	31	

**April 2023**

	M	T	W	Th	F	Sat	Sun
Jeff						1	2
Ron	3	4	5	6	7	8	9
Brian	10	11	12	13	14	15	16
Paul	17	18	19	20	21	22	23
Mike	24	25	26	27	28	29	30

**January 2023**

	M	T	W	Th	F	Sat	Sun
Brian							1
Paul	2	3	4	5	6	7	8
Mike	9	10	11	12	13	14	15
Jeff	16	17	18	19	20	21	22
Ron	23	24	25	26	27	28	29
Brian	30	31					

**May 2023**

	M	T	W	Th	F	Sat	Sun
Jeff	1	2	3	4	5	6	7
Ron	8	9	10	11	12	13	14
Brian	15	16	17	18	19	20	21
Paul	22	23	24	25	26	27	28
Mike	29	30	31				

**CITY OF WEST DES MOINES  
SNOW AND ICE CONTROL PROCEDURES  
12 HOUR SHIFT SCHEDULE**

**NOTE:**

1. SNOW SHIFTS WILL BE FROM 8:00 A.M. TO 8:00 P.M., AND 8:00 P.M. TO 8:00 A.M.
2. IN CASE OF AN EMERGENCY STORM DURING SHIFT CHANGE, THE EXISTING SHIFT ARRANGEMENT WILL HOLD UNTIL SNOW IS REMOVED.

<b>DATES</b>	<b>TIME</b>	<b>DAY SHIFT</b>	<b>NIGHT SHIFT</b>
Monday, October 3 thru Sunday, October 23	3 weeks	1	2
Monday, October 24 thru Sunday, November 13	3 weeks	2	1
Monday, November 14 thru Sunday, December 4	3 weeks	1	2
Monday, December 5 thru Sunday, December 25	3 weeks	2	1
Monday, December 26 thru Sunday, January 15	3 weeks	1	2
Monday, January 16 thru Sunday, February 5	3 weeks	2	1
Monday, February 6 thru Sunday, February 26	3 weeks	1	2
Monday, February 27 thru Sunday, March 19	3 weeks	2	1
Monday, March 20 thru Sunday, April 9	3 weeks	1	2
Monday, April 10 thru Sunday, April 30	3 weeks	2	1
Monday, May 1 thru Sunday, May 21	3 weeks	1	2

If snow/ice conditions are developing at a time other than regular business hours, contact the on-call supervisor through the Operations emergency cell at 515-650-7555. If there is no response after 10 minutes, use the following numbers to contact a Shift Supervisor:

<b>Supervisor</b>	<b>Mobile Phone number</b>
Gary Rank	515-835-8262
Ron Wiese	515-473-0674
Mike Coughlon	515-419-1544
Brian Fowler	515-202-5177
Paul Tauke	515-783-2300
Jeff Sherman	515-491-3534

**ADMINISTRATIVE/SUPPORT STAFF**

Phone/Radio Dispatch (4:00am-4:00pm)	Alice Barrett
Phone/Radio Dispatch (7:30am-8:00pm)	Anna Bodensteiner
Phone/Radio Dispatch (Alternate)	Kim Pinegar

SAMPLE

**SHIFT ASSIGNMENTS**

Zone	Truck	Shift 1	C D L	Shift 2	C D L	Major Route	Truck type
1	354	Nathen Geil	B	Robb McMahon	B	3	Single Axle
2	342	Brad Hughes	B	Travis Christensen	B	3	Single Axle
3	318	Mike Neuman	B	Boone Sieren	A	4	Tandem Axle
4	341	Jon Jorgensen	B	Austin Decker	B	2	Single Axle
5	315	Joe Daubner	A	Laramie Sandbulte	A	3	Tandem Axle
6	325	Wayne Barrett	A	Hayden Shea	A	2	Single Axle
7	329	Dan George	A	Luke Quinn	B	2	Single Axle
8	364	Tim Schneider	B	Tasha Graf (Larsen)	B	1	Single Axle
9	344	Derek Muche	B	Kevin Wilcox	A	1	Single Axle
10	324	Austin Westhoff	A	Kevin Hershberger	A	1	Tandem Axle
11	386	Pat Graves	B	Caleb Priest	B	1	Single Axle
12	338	Chad Gillespie	B	Don Tuel	A	2	Tandem Axle
13	323	Zeb Diehl	A	Tyler Weidner	B	F	Tandem Axle
Unimproved	333	Del McDaniel	A	Brian Snyder	A	1	Grader
SWAT	366	Mark Adair	A	Mason Cave	A	1	Tandem Axle TOW
SWAT	343	Allen Brown	B	Mark Lampe	B	2	Single Axle
SWAT	339	James Clark	B	Dillon McMahon	A	3	Single Axle
SWAT	340	Reed Little	A	DJ Edwards	A	4	Single Axle
SWAT	321	Eric Goode	A	Mike Hiatt	A	4	Tandem Axle TOW
SWAT	337	Jon Keimig	B	Brian Joynt	B	4	Single Axle
Spare	316	Bret Percy(ALT)	A	Bret Percy(ALT)	A		Tandem Axle
Facilities	372	Fay Beals	B	Sam Wyman	B		One ton w/sander/boss
Facilities	108	Jeff Munsinger	B	Jeremy O'Neil	B		One ton w/sander/boss
Facilities	100	Jon Hagen	A	Nick Allen	A		Pickup w/boss plow
Facilities	114	John Thill	B	DeeAnn Fredericks	B		Pickup w/Wideout
Facilities	360	Trails					Pickup w/boss plow
Facilities	133	Trails					Pickup W/boss plow
Facilities	106	Trails					Pickup W/Wideout mount

**Laborers Shift 3**

Facilities	122	Ben Mathews		Morgan Langer			Pickup W/ Hand Sprayer/blower
Facilities	160	Lyndon Carter		Willie Fry			Pickup W/blower/shovel
Facilities	101	Sky Bjornsen		Laborer			Pickup W/Boss plow/tank
Supervisor	155	Brian Fowler					Pickup W/boss plow
Supervisor	485	Ron Wiese					Pickup W/boss plow
Supervisor	355	Mike Coughlon					Pickup W/boss plow
Supervisor	118	Paul Tauke					Pickup W/boss plow
Supervisor	359	Jeff Sherman					Pickup W/boss plow mount

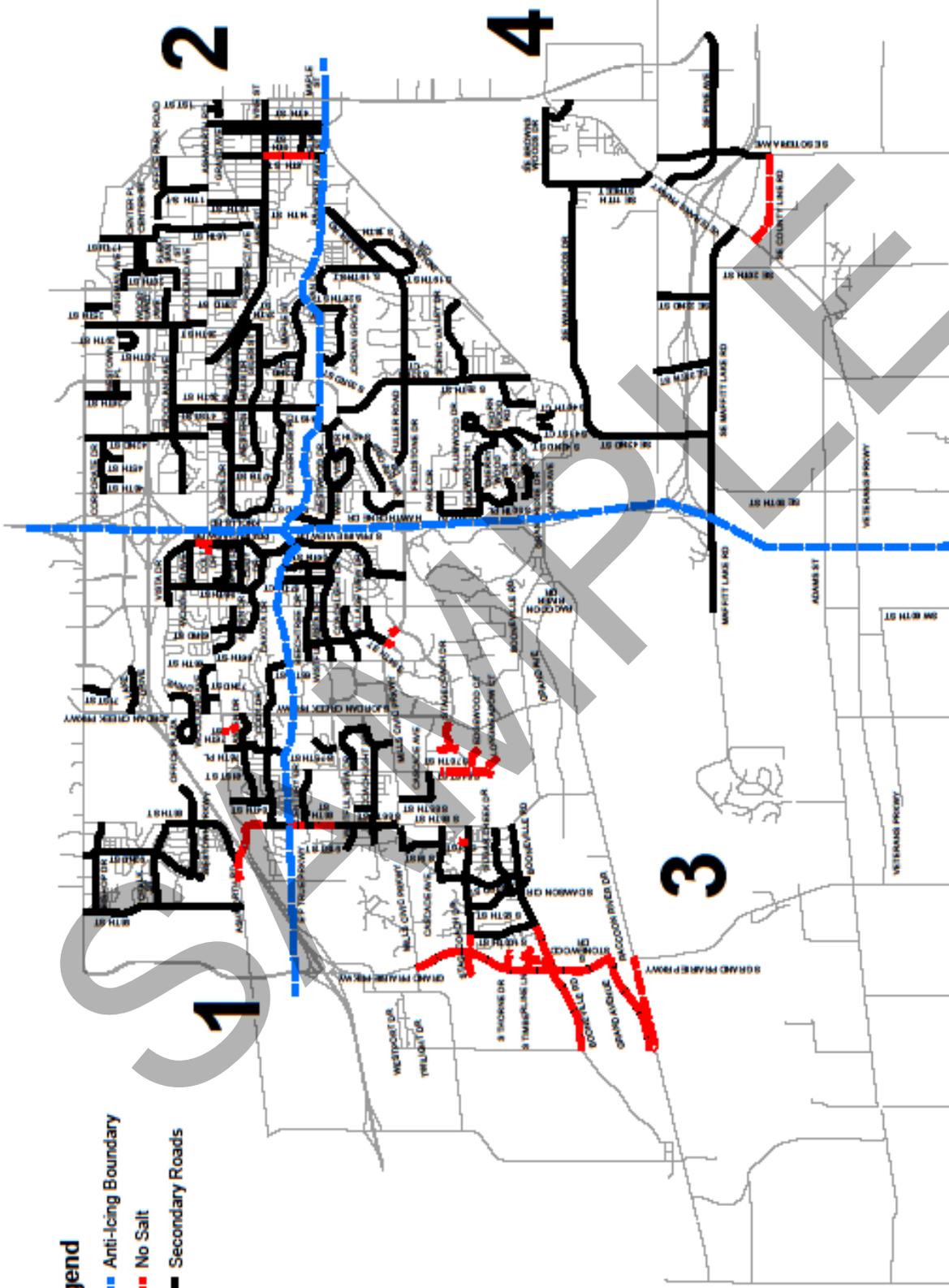
# MAPS

SAMPLE



# ANTI-ICING COLLECTOR STREETS

- Legend**
- Anti-Icing Boundary
  - No Salt
  - Secondary Roads



10/7/2022

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# LOCAL SNOW AND ICE ZONES

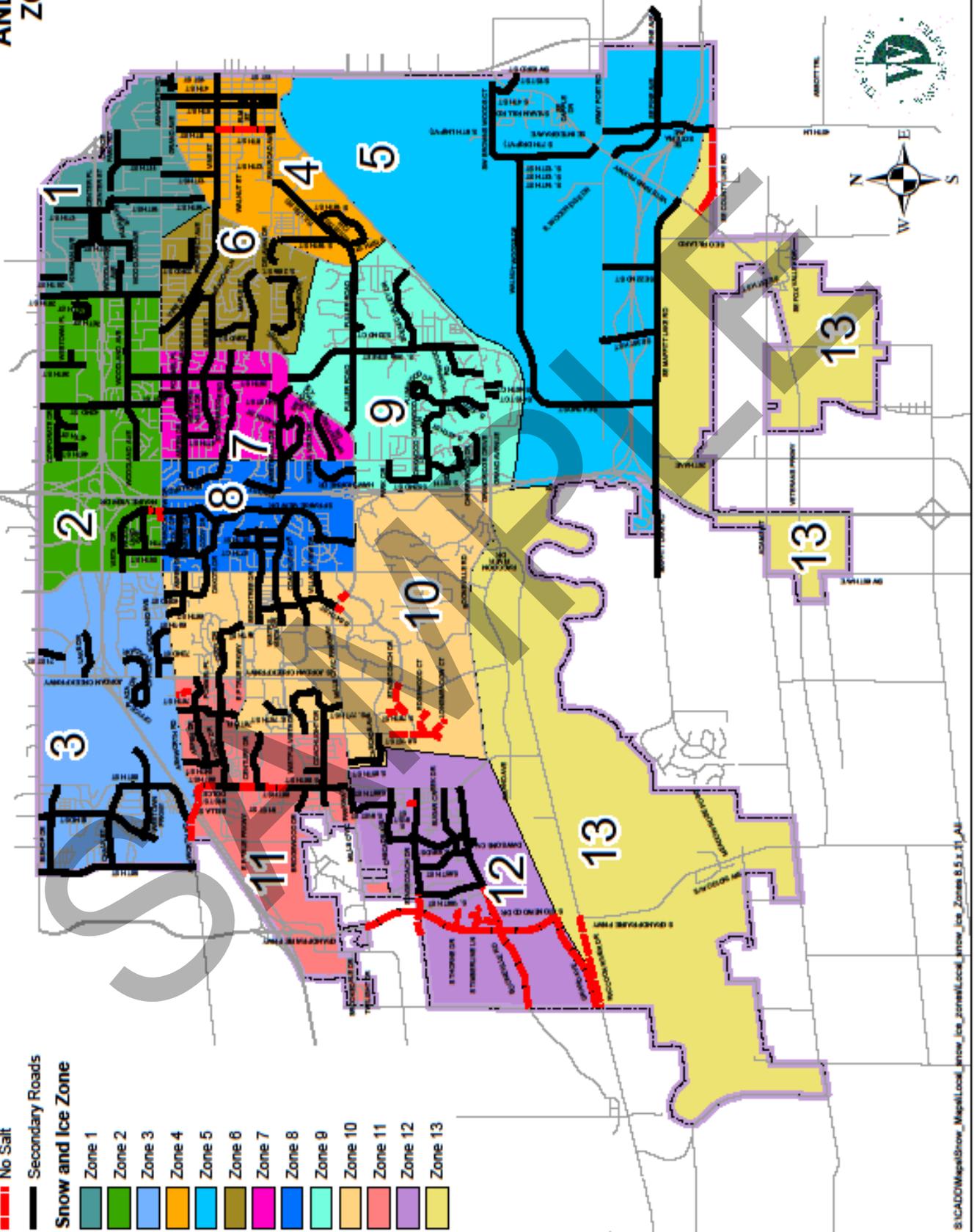
## Legend

 No Salt

 Secondary Roads

## Snow and Ice Zone

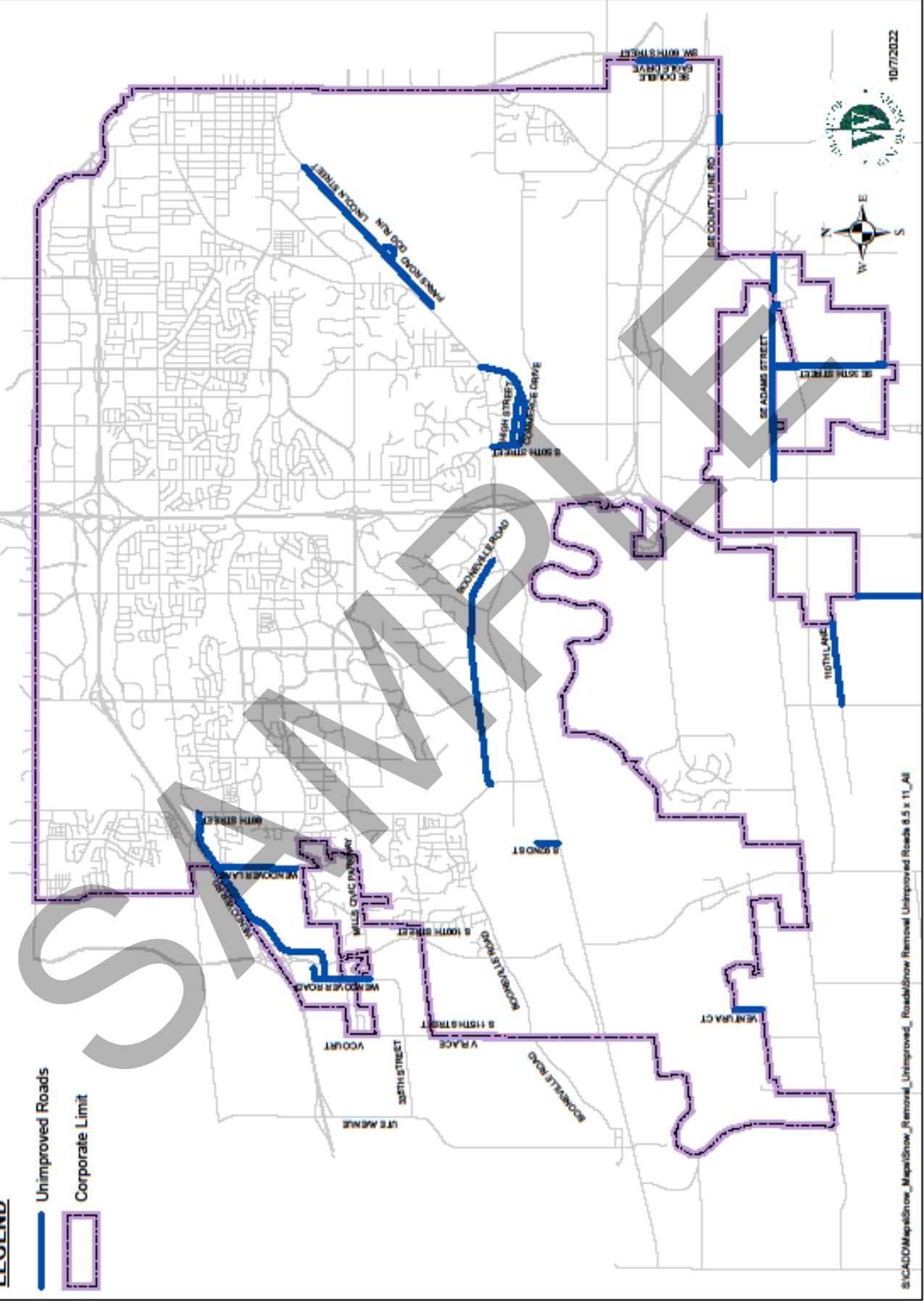
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-  Zone 2
-  Zone 3
-  Zone 4
-  Zone 5
-  Zone 6
-  Zone 7
-  Zone 8
-  Zone 9
-  Zone 10
-  Zone 11
-  Zone 12
-  Zone 13



# SNOW REMOVAL UNIMPROVED ROADS

## LEGEND

-  Unimproved Roads
-  Corporate Limit

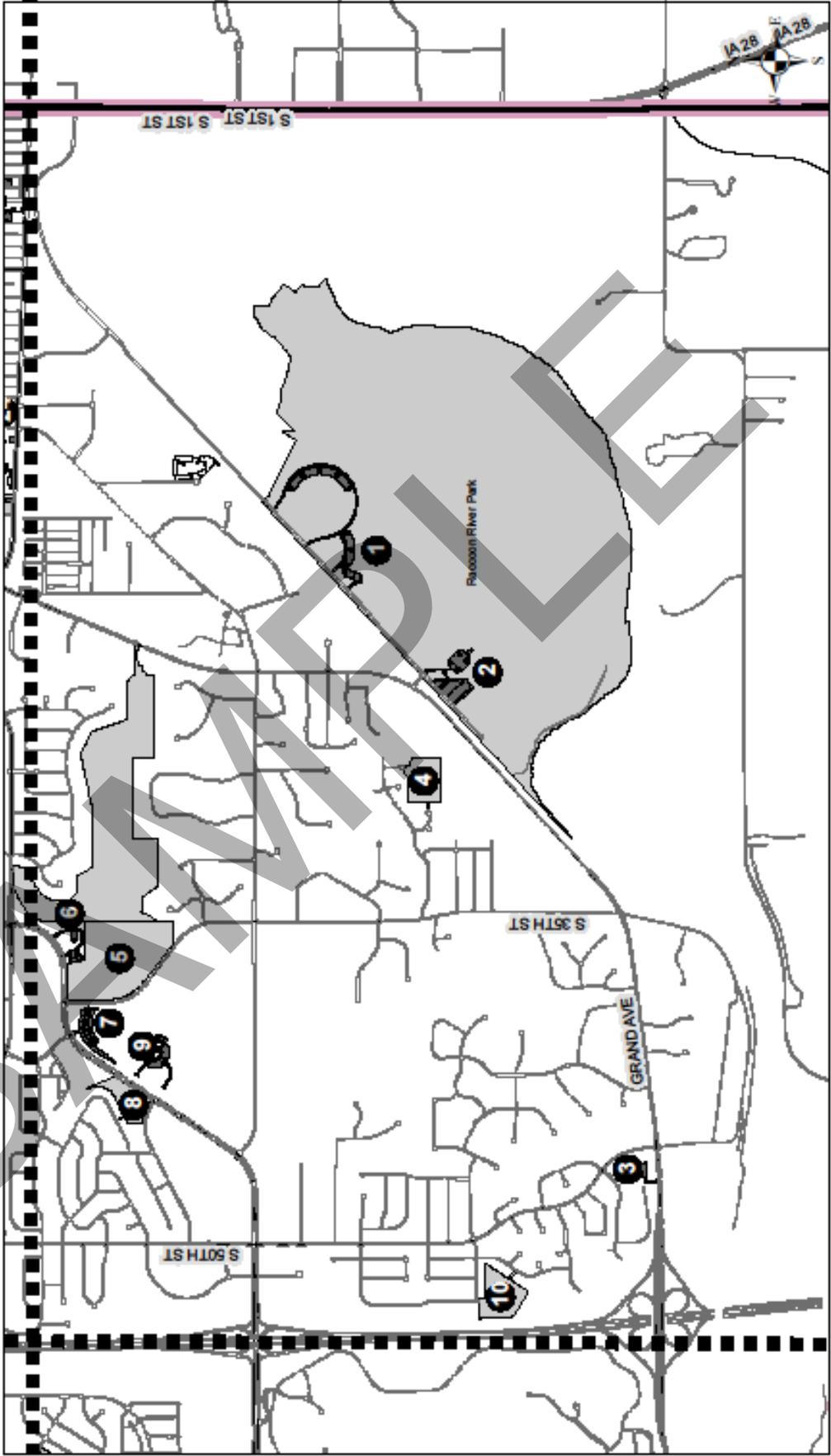
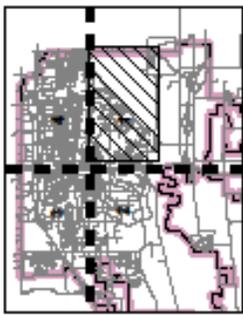


10/7/2022

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# CITY PARKING LOTS (1 of 4)

- | City Parking Lots              |                             |
|--------------------------------|-----------------------------|
| 1. Nature Lodge/Soccer Complex | 20. Fire Station #21        |
| 2. Boat Ramp/Soccer Complex    | 21. Pearson Park            |
| 3. Fire Station #18            | 22. Fairmeadows Park        |
| 4. Scenic Valley Park          | 23. Holiday Park            |
| 5. South Woods Park            | 24. Fire Station #17        |
| 6. Law Enforcement Center      | 25. Wilson Park             |
| 7. Library                     | 26. Valley Junction         |
| 8. Ashwa's Park                | 27. Legion Park             |
| 9. City Hall                   | 28. Maple Grove Park        |
| 10. Quail Cove Park            | 29. 39th Street Parking Lot |
| 11. Fire Station #19           |                             |
| 12. Valley View Park (aquatic) |                             |
| 13. Valley View Park (west to) |                             |
| 14. Willow Springs Park        |                             |
| 15. Wild Rose Park             |                             |
| 16. Jaycee Park                |                             |
| 17. Fire Station #22           |                             |
| 18. Crossroads Park            |                             |
| 19. Jordan Creek Park          |                             |

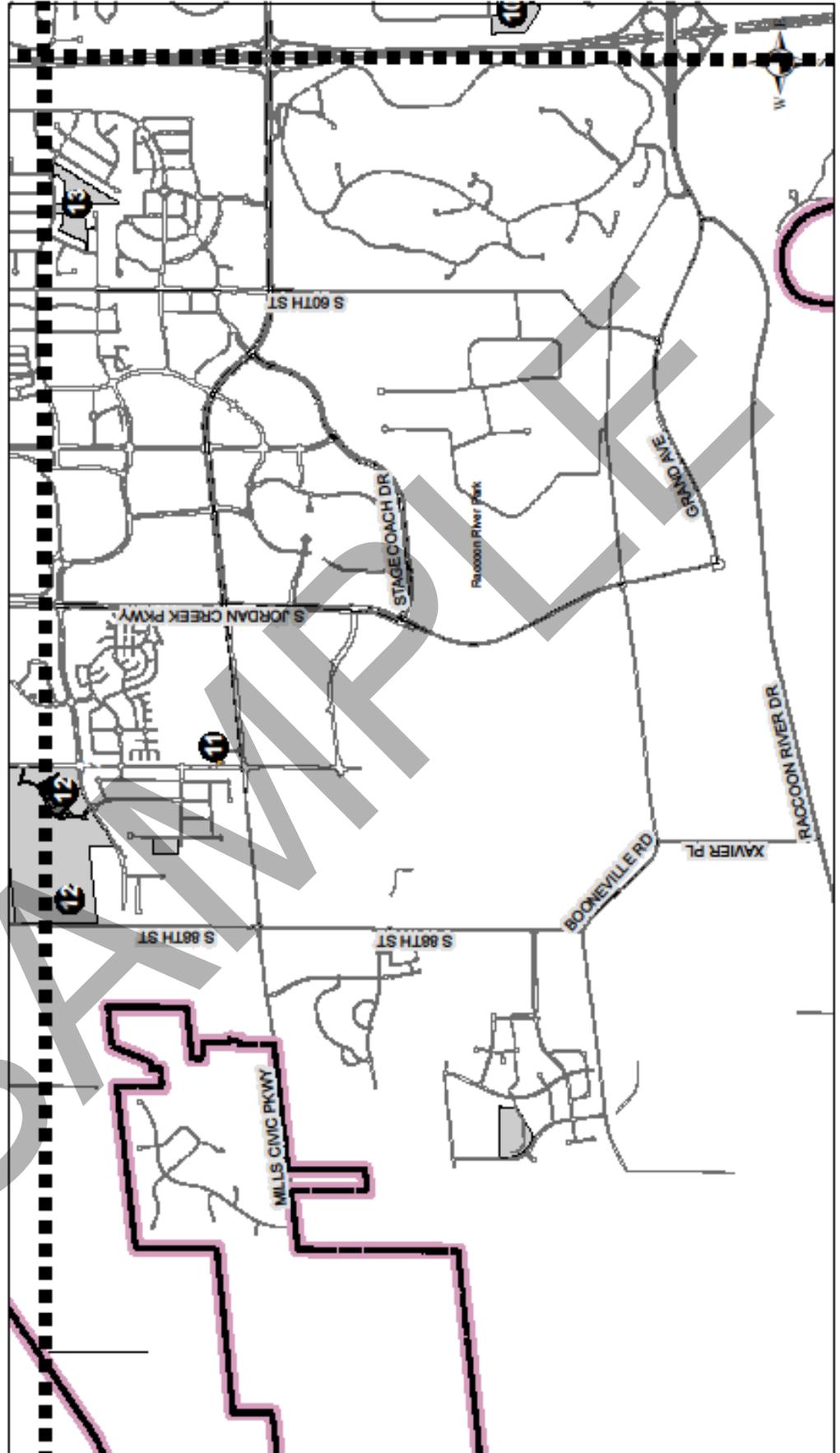
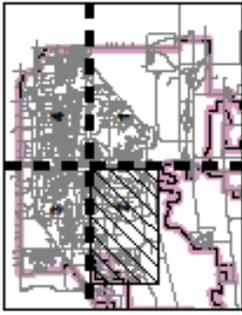




# CITY PARKING LOTS (2 of 4)

## City Parking Lots

- |                                |                                |                             |
|--------------------------------|--------------------------------|-----------------------------|
| 1. Nature Lodge/Soccer Complex | 11. Fire Station #19           | 20. Fire Station #21        |
| 2. Boat Ramp/Soccer Complex    | 12. Valley View Park (aquatic) | 21. Pearson Park            |
| 3. Fire Station #18            | 13. Willow Springs Park        | 22. Fairmeadows Park        |
| 4. Scenic Valley Park          | 14. Wild Rose Park             | 23. Holiday Park            |
| 5. South Woods Park            | 15. Jaycee Park                | 24. Fire Station #17        |
| 6. Law Enforcement Center      | 16. Peony Park                 | 25. Wilson Park             |
| 7. Library                     | 17. Fire Station #22           | 26. Valley Junction         |
| 8. Ashawa Park                 | 18. Crossroads Park            | 27. Legion Park             |
| 9. City Hall                   | 19. Jordan Creek Park          | 28. Maple Grove Park        |
| 10. Quail Cove Park            |                                | 29. 35th Street Parking Lot |

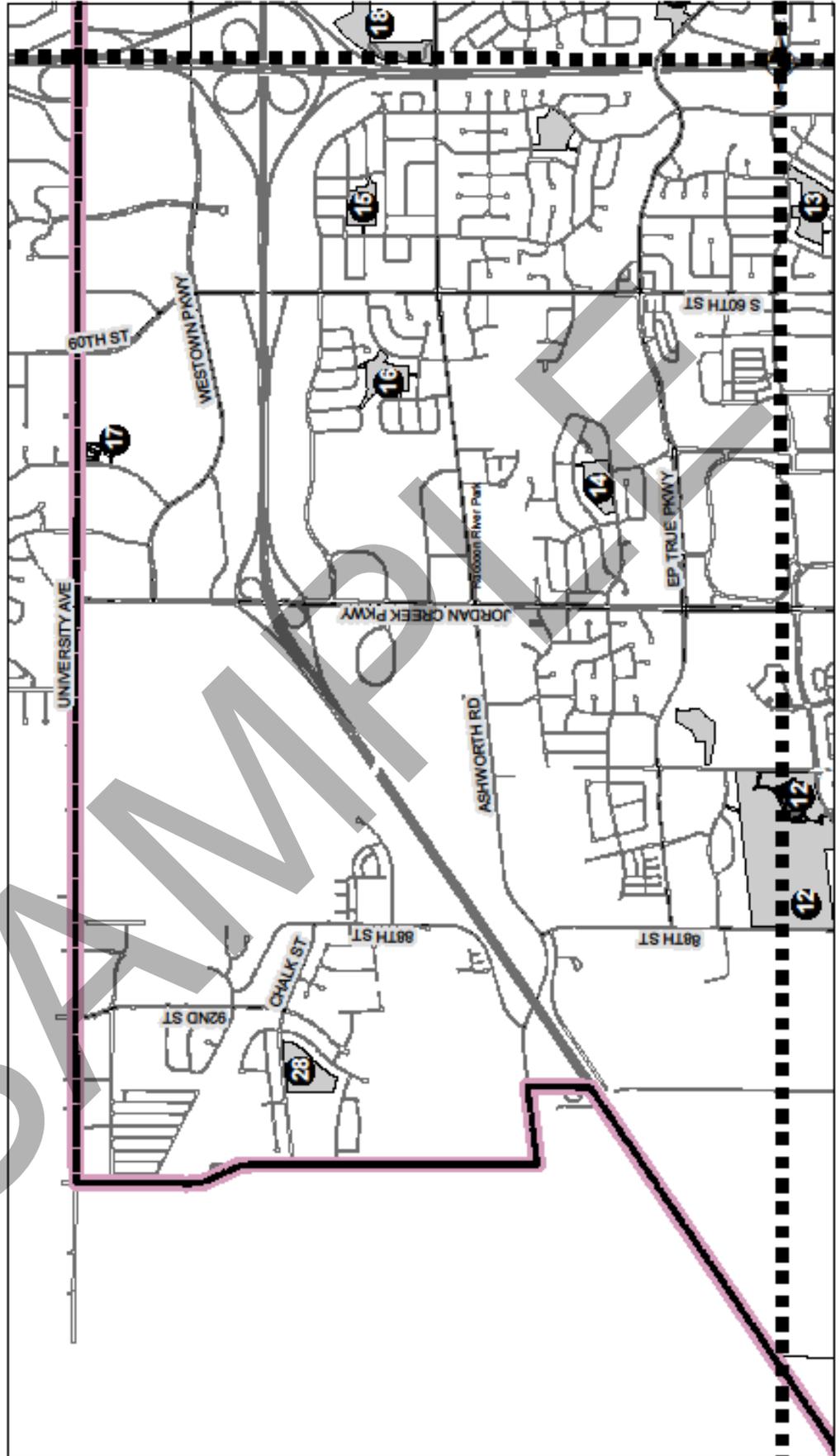




# CITY PARKING LOTS (3 of 4)

## City Parking Lots

- |                                |                                |                             |
|--------------------------------|--------------------------------|-----------------------------|
| 1. Nature Lodge/Soccer Complex | 11. Fire Station #19           | 20. Fire Station #21        |
| 2. Boat Ramp/Soccer Complex    | 12. Valley View Park (aquatic) | 21. Pearson Park            |
| 3. Fire Station #18            | 12. Valley View Park (west to) | 22. Fairmeadows Park        |
| 4. Scenic Valley Park          | 13. Willow Springs Park        | 23. Holiday Park            |
| 5. South Woods Park            | 14. Wild Rose Park             | 24. Fire Station #17        |
| 6. Law Enforcement Center      | 15. Jaycee Park                | 25. Wilson Park             |
| 7. Library                     | 16. Peony Park                 | 26. Valley Junction         |
| 8. Ashaw's Park                | 17. Fire Station #22           | 27. Legion Park             |
| 9. City Hall                   | 18. Crossroads Park            | 28. Maple Grove Park        |
| 10. Quail Cove Park            | 19. Jordan Creek Park          | 29. 39th Street Parking Lot |



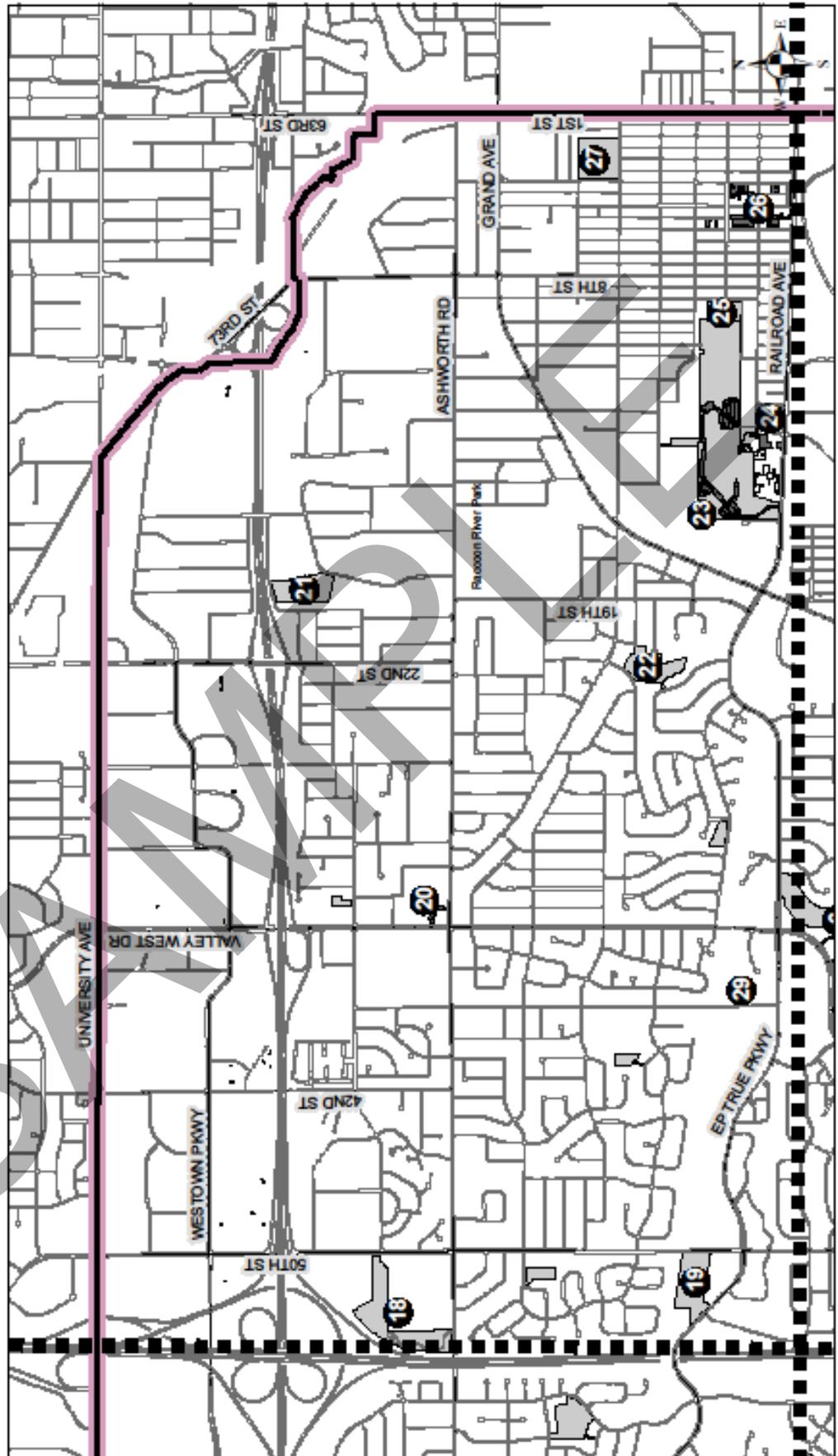
WEST DES MOINES

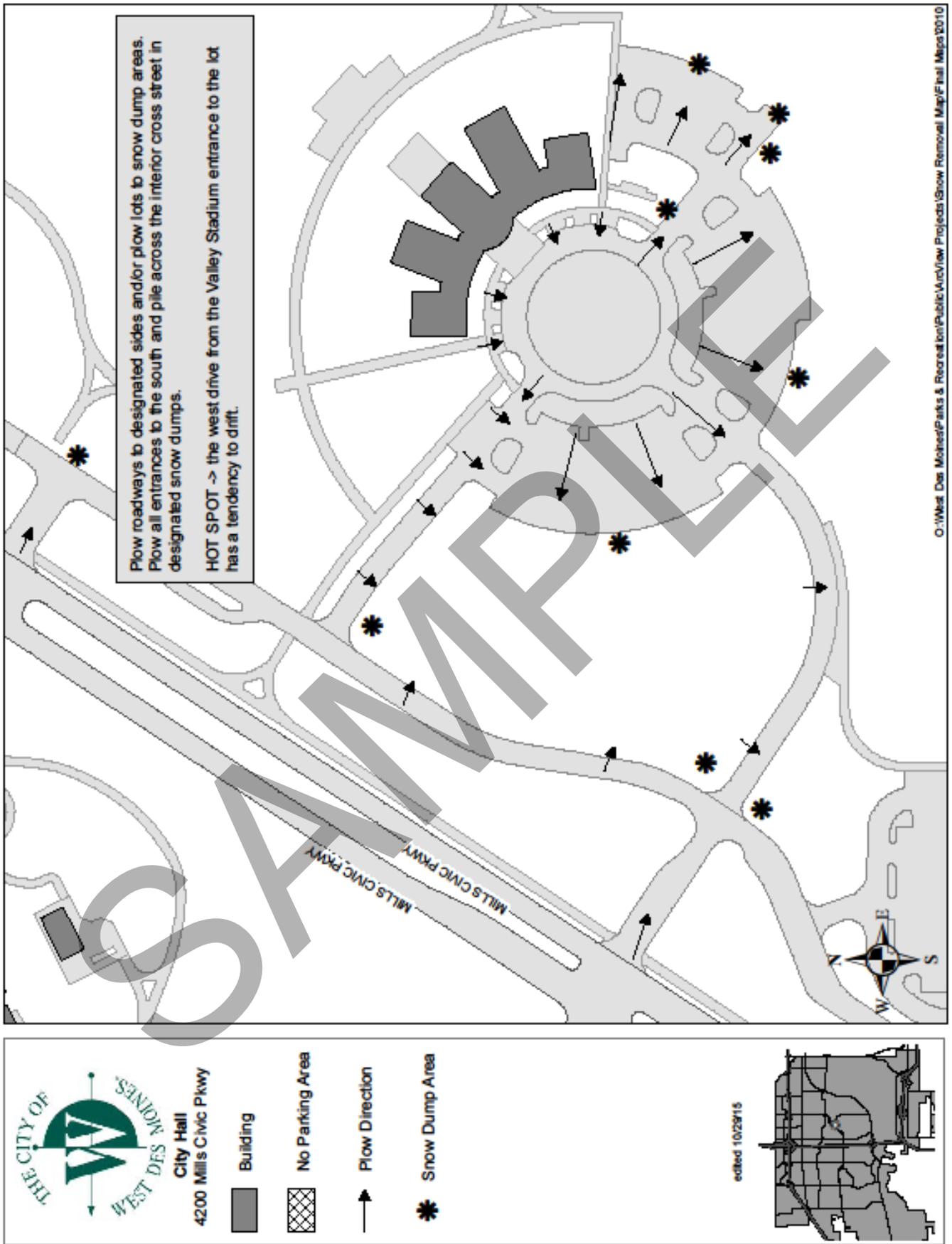
# CITY PARKING LOTS (4 of 4)

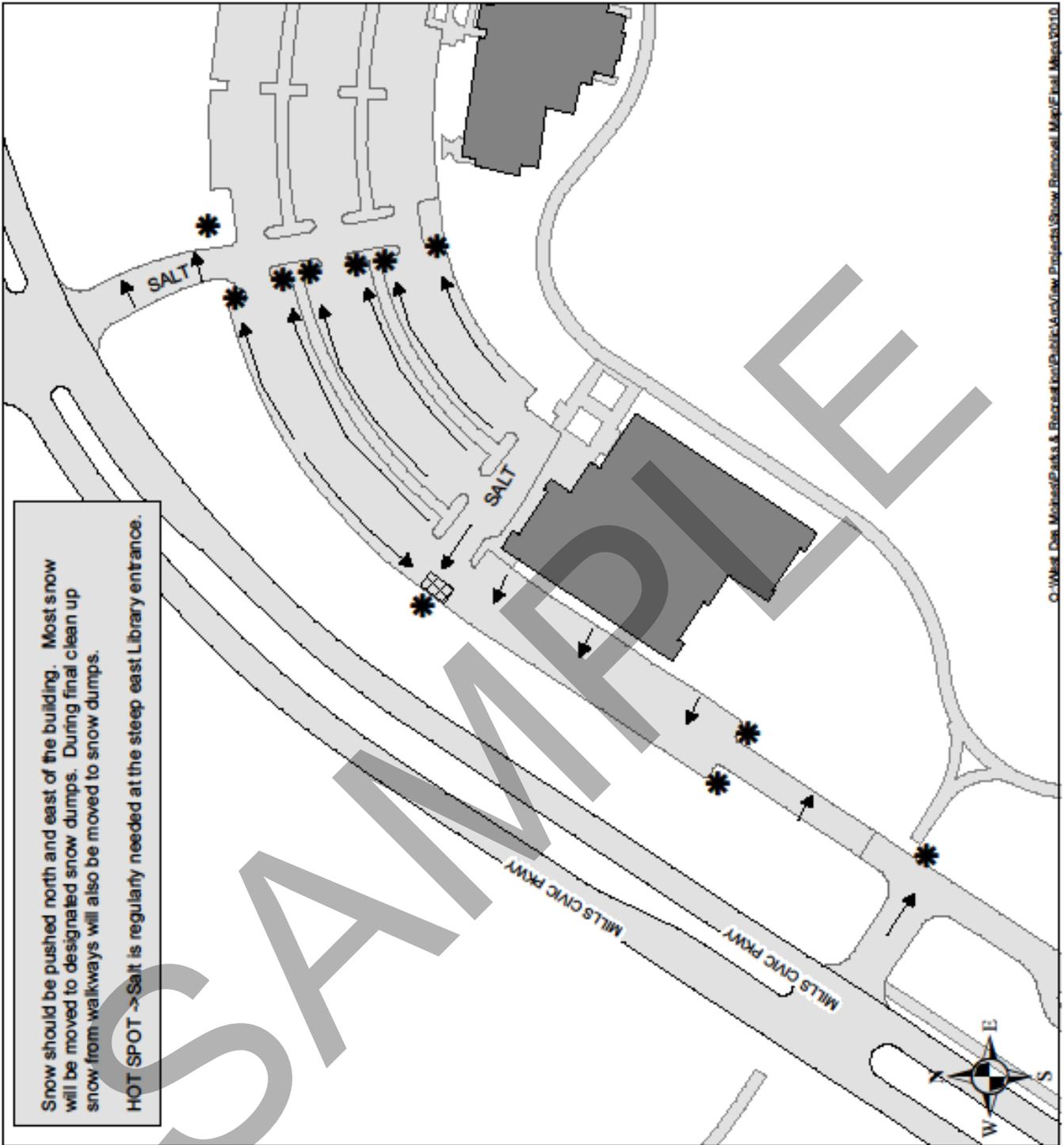


## City Parking Lots

- |  |  |  |
|--|--|--|
| <ol style="list-style-type: none"> <li>1. Nature Lodge/Soccer Complex</li> <li>2. Boat Ramp/Soccer Complex</li> <li>3. Fire Station #18</li> <li>4. Socratic Valley Park</li> <li>5. South Woods Park</li> <li>6. Law Enforcement Center</li> <li>7. Library</li> <li>8. Ashawa Park</li> <li>9. City Hall</li> <li>10. Quail Cove Park</li> </ol> | <ol style="list-style-type: none"> <li>11. Fire Station #19</li> <li>12. Valley View Park (aquatic)</li> <li>13. Valley View Park (west lot)</li> <li>14. Willow Springs Park</li> <li>15. Wild Rose Park</li> <li>16. Jaycee Park</li> <li>17. Perony Park</li> <li>18. Fire Station #22</li> <li>17. Crossroads Park</li> <li>19. Jordan Creek Park</li> </ol> | <ol style="list-style-type: none"> <li>20. Fire Station #21</li> <li>21. Pearson Park</li> <li>22. Fairmeadows Park</li> <li>23. Holiday Park</li> <li>24. Fire Station #17</li> <li>25. Wilson Park</li> <li>26. Valley Junction</li> <li>27. Legion Park</li> <li>28. Maple Grove Park</li> <li>29. 35th Street Parking Lot</li> </ol> |
|--|--|--|

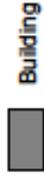








**Law Enforcement Center**  
 250 Mills Civic Pkwy



**No Parking Area**



**Plow Direction**



**Snow Dump Area**



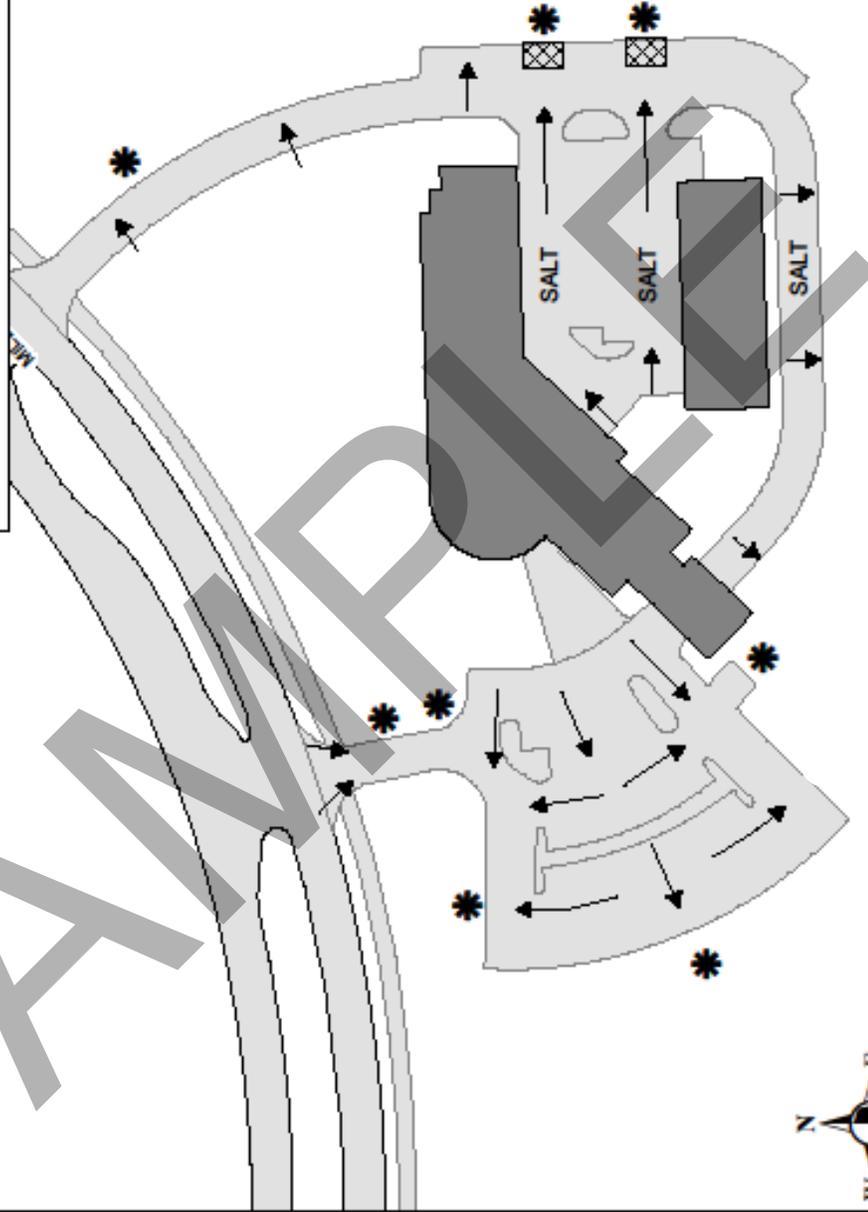
edited 09/26/13



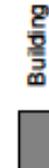
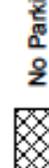
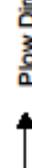
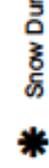
24 hour access is required for the back entrance, loop around the interior parking lot, and front entrance to sally port (west). The east sally port exit is not as critical as it is down hill and for the most part one way to the east.

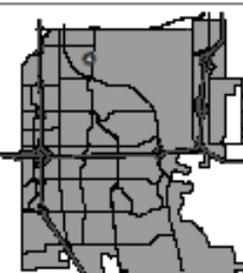
**HOT SPOT->** The rear entrance has a tendency to drift. All snow in the interior parking lot needs to be carried to the east to the indicated "snow dumps".

**NOTE: CONCRETE PATCHES WERE DONE IN 2013. MINIMIZE SALT USAGE WHEN POSSIBLE TO PROTECT NEW CONCRETE.**

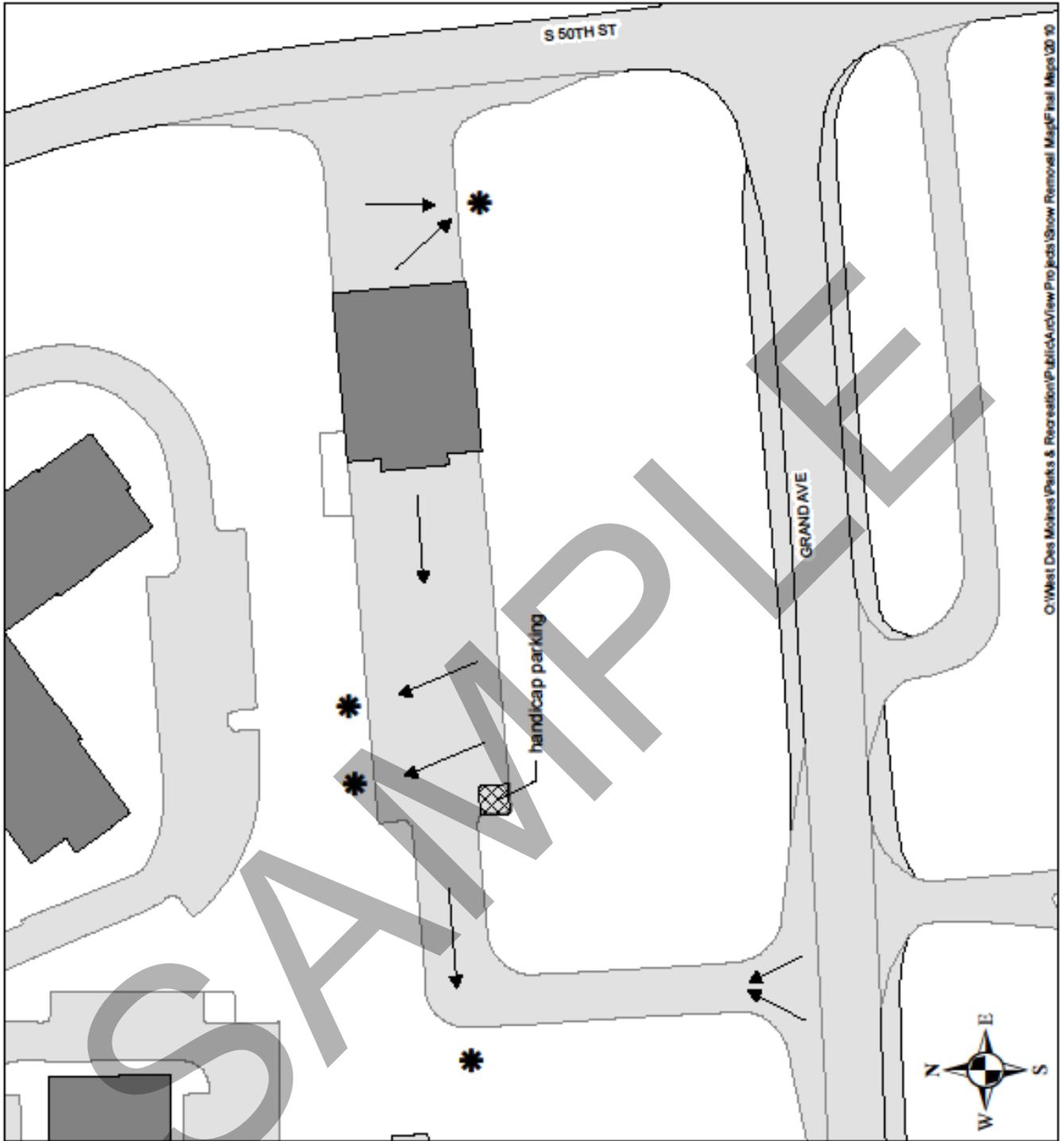



**Fire Station #17**  
 1401 Railroad Ave.

 Building  
 No Parking Area  
 Plow Direction  
 Snow Dump Area

edited 09/23/10
 





C:\West Des Moines Parks & Recreation\Public\View Projects\Snow Removal Map\Final Map\CD 10



**Fire Station #18**  
5025 Grand Ave.

**Building**

**No Parking Area**

**Flow Direction**

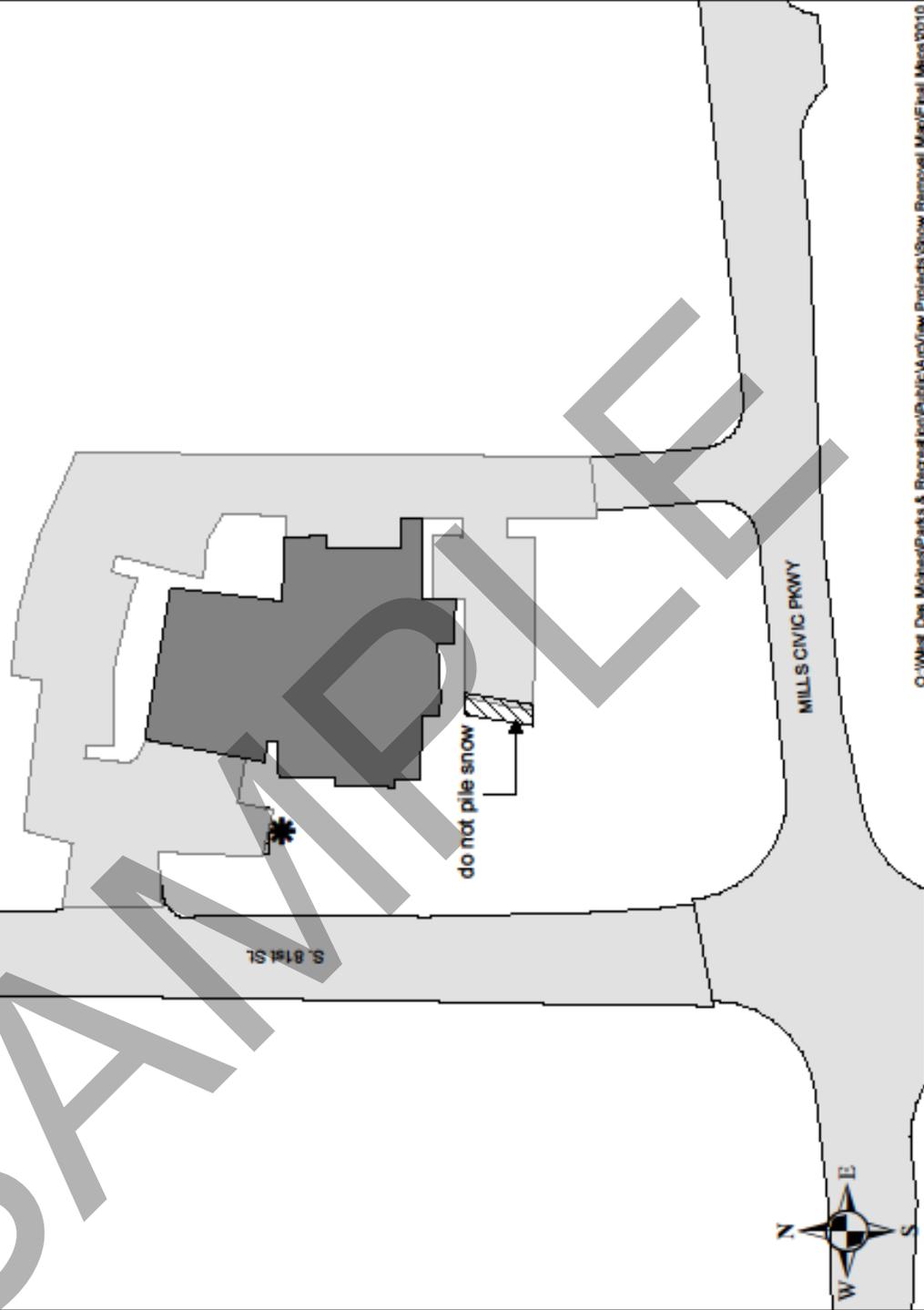
**Snow Dump Area**

edited 09/23/10



This site is mostly level and little chance of total immobility with small snows, but due to heavy use and complicated curb lines it can quickly become challenging. Snow in the south lot needs to be pulled away from the building and pushed to the south.

USE CARE - up lights at the west end of this lot can easily become covered if snow is pushed to the west. All lots need to have snow pulled away from the building and pushed to the outer curbs. Snow left at the curb during initial plowing operations will be blown out at a later time.

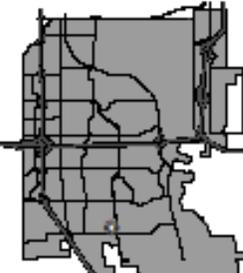




**Fire/EMS Station #19**  
8055 Mills Civic Pkwy

- Building
- No Parking Area
- Plow Direction
- \* Snow Dump Area

edited 09/23/10





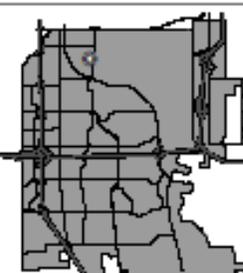
**Fire Station #21**  
3421 Ashworth Rd.

Building

No Parking Area

Plow Direction

Snow Dump Area

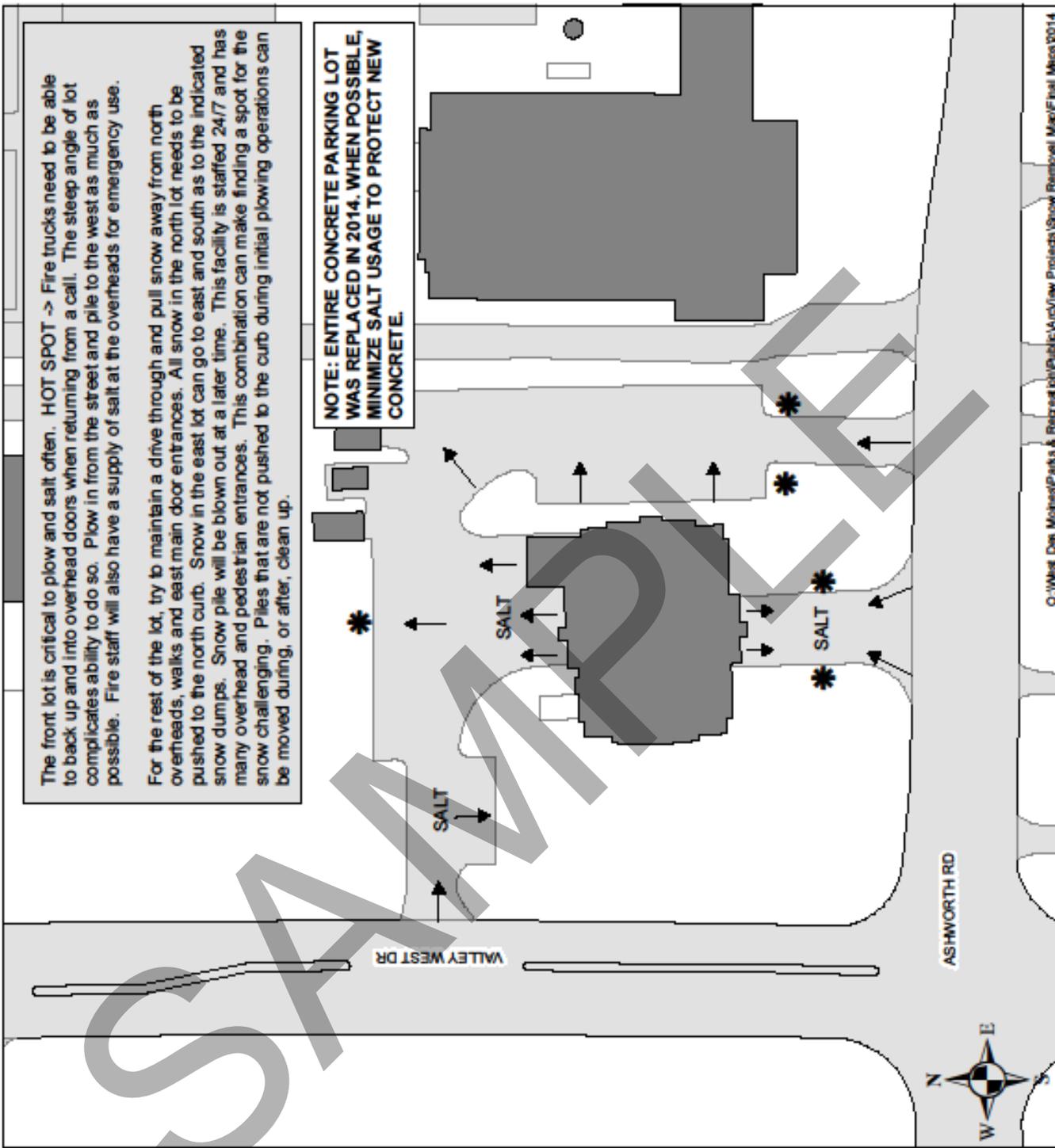


edited 09/26/14

The front lot is critical to plow and salt often. HOT SPOT -> Fire trucks need to be able to back up and into overhead doors when returning from a call. The steep angle of lot complicates ability to do so. Plow in from the street and pile to the west as much as possible. Fire staff will also have a supply of salt at the overheads for emergency use.

For the rest of the lot, try to maintain a drive through and pull snow away from north overheads, walks and east main door entrances. All snow in the north lot needs to be pushed to the north curb. Snow in the east lot can go to east and south as to the indicated snow dumps. Snow pile will be blown out at a later time. This facility is staffed 24/7 and has many overhead and pedestrian entrances. This combination can make finding a spot for the snow challenging. Piles that are not pushed to the curb during initial plowing operations can be moved during, or after, clean up.

**NOTE: ENTIRE CONCRETE PARKING LOT WAS REPLACED IN 2014. WHEN POSSIBLE, MINIMIZE SALT USAGE TO PROTECT NEW CONCRETE.**





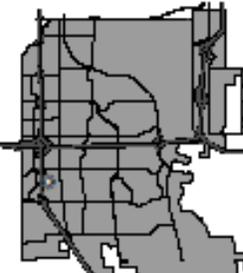
**Fire Station #22**  
1801 68th St.

Building

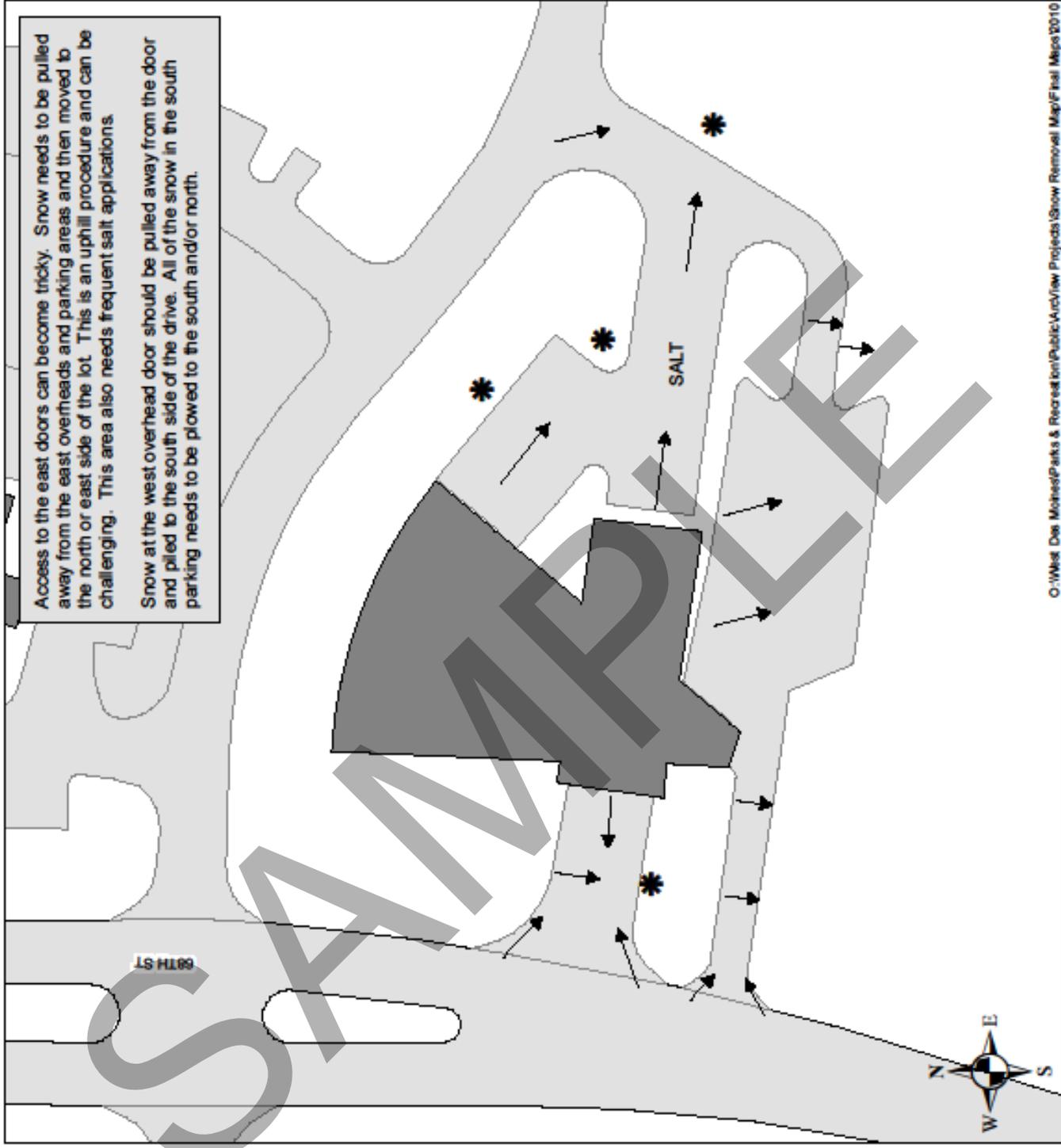
No Parking Area

Plow Direction

Snow Dump Area



edited 09/23/10



Access to the east doors can become tricky. Snow needs to be pulled away from the east overhangs and parking areas and then moved to the north or east side of the lot. This is an uphill procedure and can be challenging. This area also needs frequent salt applications.

Snow at the west overhead door should be pulled away from the door and piled to the south side of the drive. All of the snow in the south parking needs to be plowed to the south and/or north.

