



Northern Arizona University – Facility Services

Blue Stake Procedure

1. Pre-Construction Meeting

- a. Prior to the meeting, the Contractor and excavation superintendent shall review the Blue Stake Procedure located on the NAU FS website http://nau.edu/Facility-Services/DP_Contract/.
- b. During Pre-Construction meeting, review the Blue Stake procedures with General Contractor and their Excavator Subcontractor.

2. Notification Process

It is the responsibility of the General Contractor to make all utility staking requests. To request utility staking for any project the Contractor must submit a request to Arizona811.com through the E-stake program and email a request to **FACILITY SERVICES**. All requests are given a log number. It is the Contractor’s responsibility to note that number for future reference.

- a. Prepare Blue Stake Request sketches on NAU Blue Stake Grid Maps (civil drawings or other plan sheets will not be accepted), identifying the area where the blue stake needs to be provided.
- b. Mark on the ground the limits of the area for which staking is being requested. Marking in landscaping (grass, rock, natural, etc.) shall be with white flags. Marking on hard surfaces (asphalt, concrete, pavers, etc.) shall be in non-permanent white chalk paint. Failure to mark an excavation site could result in a delay in staking.
- c. Log onto Arizona811.com and request utility location for the required area through the E-stake program. Obtain the AZ Blue Stake 13-digit confirmation # for record.
- d. Fill out the NAU Blue Stake request form and email it to naubluestake@nau.edu. The email should include:
 - i. Blue Stake Request Form.
 - ii. Map of the area on the Blue Stake Grid Maps.
 - iii. 13-digit AZ Blue Stake #.
 - iv. Information and details on the proposed dig including estimated excavation depth and type of work to be performed.

The clock won’t start until Blue Stake Request Form and Sketches have been received.

- e. NAU Blue Stake will clear 2 full business days after a request has been received. Any email received after 5:00 pm generates the Blue Stake request starting the following work day..

Requested On	Clear On
Monday	Thursday
Tuesday	Friday
Wednesday	Monday
Thursday	Tuesday
Friday	Wednesday

*If a Legal Holiday occurs an additional day must be added.

- f. Incomplete forms will may result in a delay in staking. All trench locations must be marked in white paint on site with a maximum of 10 feet outside perimeter of excavation.

DO NOT DIG UNTIL ALL BLUE STAKES (AZ AND NAU) HAVE CLEARED.

NAU and AZ Blue Stake are two separate entities and time to stake is tracked separately.

3. Blue Stake Request Requirements

- a. The General Contractor’s Superintendent shall be the one placing the call to AZ Blue Stake and NAU Blue Stake (not the Subcontractors). Subcontractors are expected to communicate their Blue Stake requests to their General Contractor in time to ensure proper Blue Stake process prior to digging. Subs that will be working during the duration of the Blue Stake are to be included on the Blue Stake request. Generals are required to add or delete subs when updates are requested.
- b. Contractor shall not start digging until Blue Stake has cleared.
- c. Contractor shall include construction site fences in the area to be blue staked.
- d. Blue Stake expires after 15 working days. Request a Blue Stake renewal by the 12th day after your original Blue Stake request has cleared so that excavations can continue without interruption.
- e. If the locator or trade finds no underground facility within the identified limits of excavation, they will inform the Contractor by telephone or by indicating “NO” or will indicate N/Utility in the area as indicated below.
- f. Upon acknowledging the staking the Contractor becomes responsible for maintaining and preserving the stakes or markings. At any time the Blue Stake marks are no longer visible the contractor must stop excavation and request an updated Blue Stake. Excavation cannot resume until after the Blue Stake clears and the Contractor is liable for any delay costs.
- g. Contractor shall be responsible for repair to all utility lines which have been damaged as a result of Contractor’s operations and which have been properly staked by the Owner in accordance with this procedure.
- h. Contractor shall notify the Owner by calling 928-523-4227 of any subsurface utility lines which have not been staked and which may be discovered during the course of operations.
- i. Contractor shall remove the blue stake marks outside of the fenced area at the end of the excavation phase for CMAR projects in a manner that does not damage finished surfaces. All projects will remove blue stake marks at substantial completion in a manner that does not damage finished surfaces. **A Contractor can be charged for overcalling an area. ARS 40-360.22-J**

4. Blue Stake Color Codes

Types of utilities or systems shall be marked with the appropriate colors, with non-permanent paint or with flags, as follows:

Utility	Color	No Facility Found
Electric	Red	N/E (or N/APS)
Gas/Oil	Yellow	N/G
Communications/CATV	Orange	N/TV
Water	Blue	N/W
Sewer	Green	N/S
Survey Markings (temp)	Pink	
Proposed Excavation	White	

If the locator or trade finds no underground facility within the identified limits of excavation, they will inform the Contractor by telephone or by indicating “NO” as identified above.



NORTHERN
ARIZONA
UNIVERSITY

Facility Services



UNIFORM COLOR CODE FOR MARKING UNDERGROUND FACILITIES



Proposed Excavation



Temporary Survey



Electric Power



Gas, Oil, Dangerous Materials, Product Lines



Communication, Cable Television, Fiber Optics



Water Systems, Slurry Pipelines



Reclaimed Water



Sanitary Sewer Systems



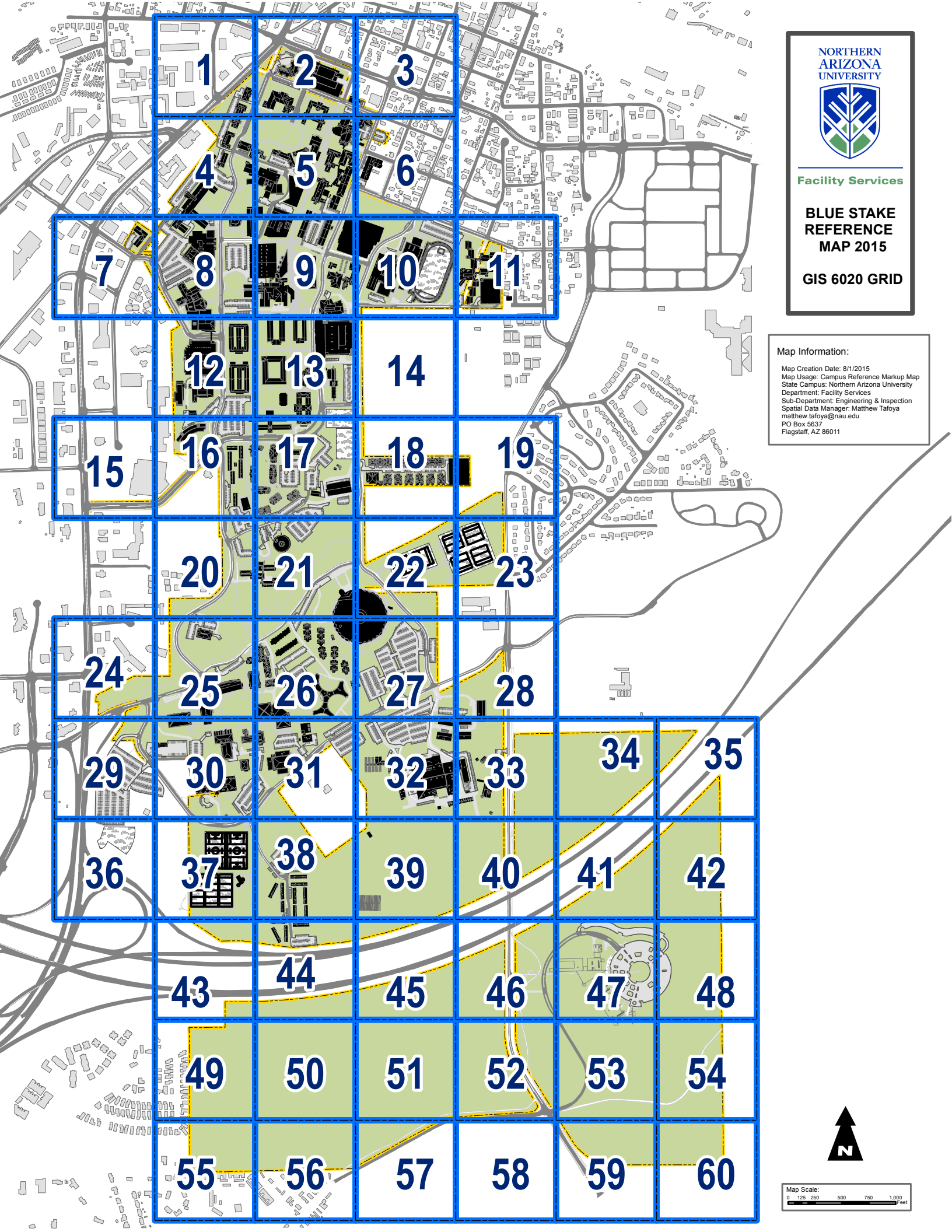


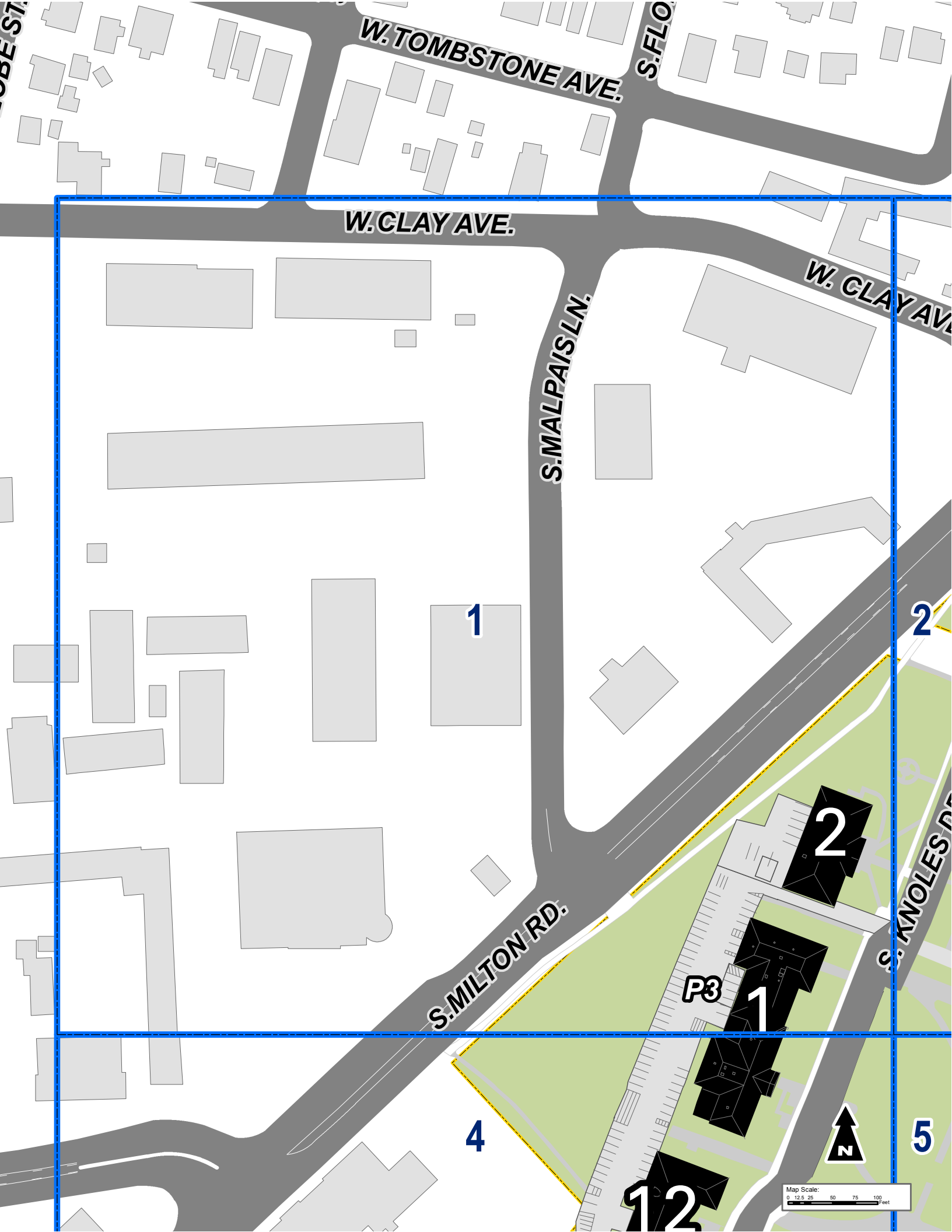
BLUE STAKE
REFERENCE
MAP 2015

GIS 6020 GRID

Map Information:

Map Creation Date: 8/1/2015
Map Usage: Campus Reference Markup Map
State Campus: Northern Arizona University
Department: Facility Services
Sub-Department: Engineering & Inspection
Spatial Data Manager: Matthew Tafoya
matthew.tafoya@nau.edu
PO Box 5637
Flagstaff, AZ 86011





W. TOMBSTONE AVE.

S. FLO

W. CLAY AVE.

W. CLAY AVE.

S. MALPAIS LN.

1

2

2

P3

1

S. MILTON RD.

S. ANOLES DR.

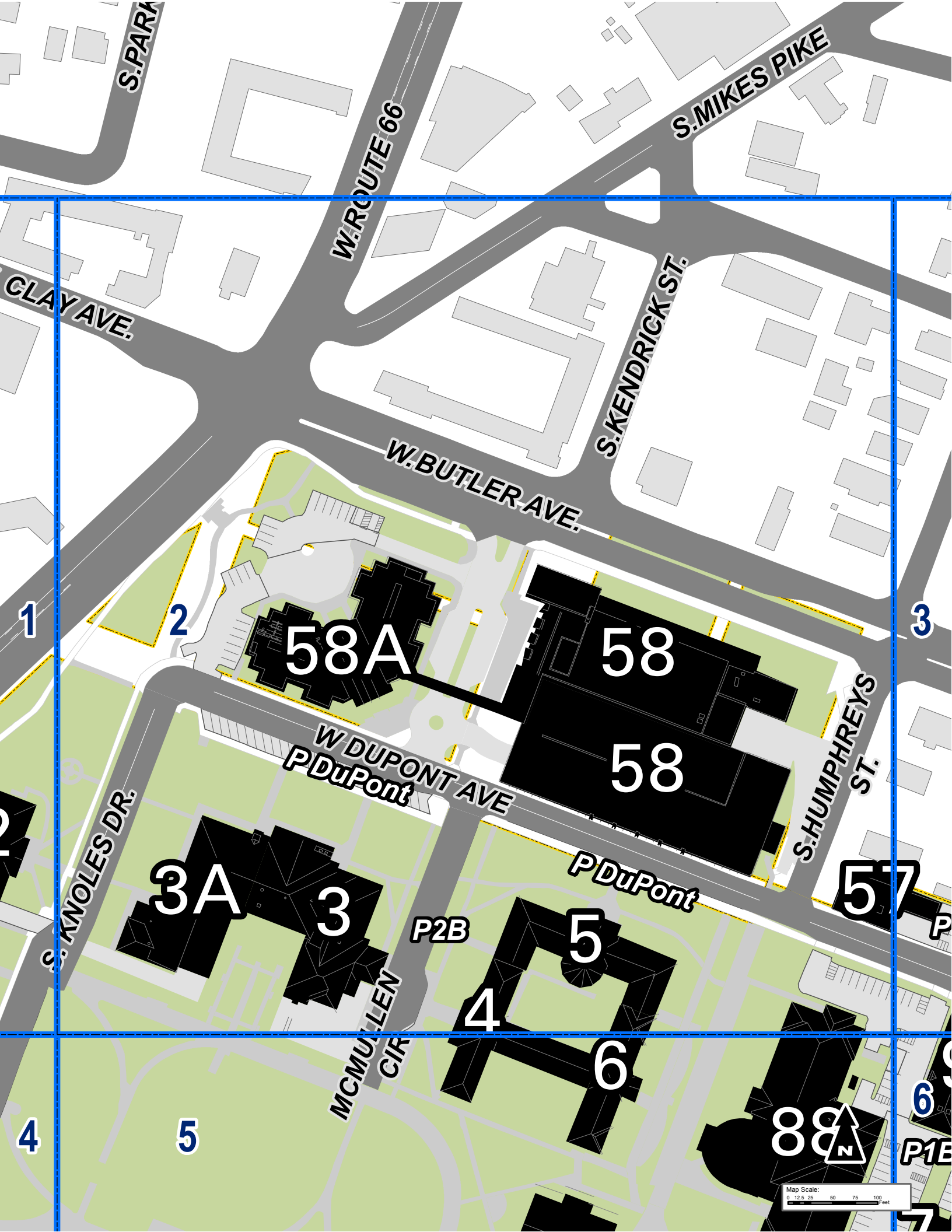
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12



Map Scale:
0 12.5 25 50 75 100 Feet



S. PARK

W. ROUTE 66

S. MIKES PIKE

CLAY AVE.

S. KENDRICK ST.

W. BUTLER AVE.

1

2

3

58A

58

58

W DUPONT AVE
P DuPont

S. HUMPHREYS ST.

57

3A

3

P2B

5

S. KNOLES DR.

MCMULLEN CIR

4

6

4

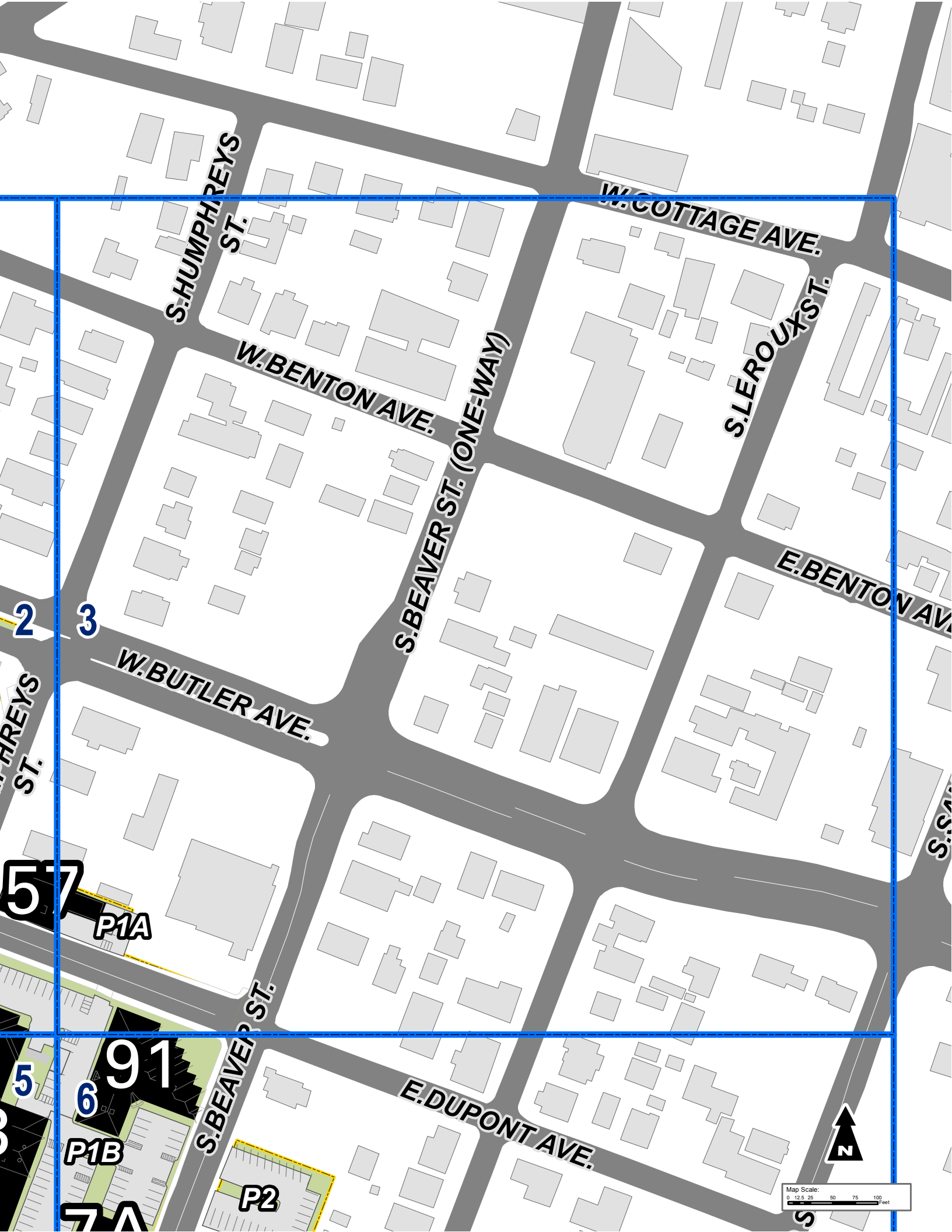
5

88

6

P1E

Map Scale:
0 12.5 25 50 75 100 Feet



S. HUMPHREYS ST.

W. COTTAGE AVE.

W. BENTON AVE.

S. LEROUX ST.

S. BEAVER ST. (ONE-WAY)

E. BENTON AVE.

2

3

W. BUTLER AVE.

HUMPHREYS ST.

57

P1A

5

6

91

P1B

S. BEAVER ST.

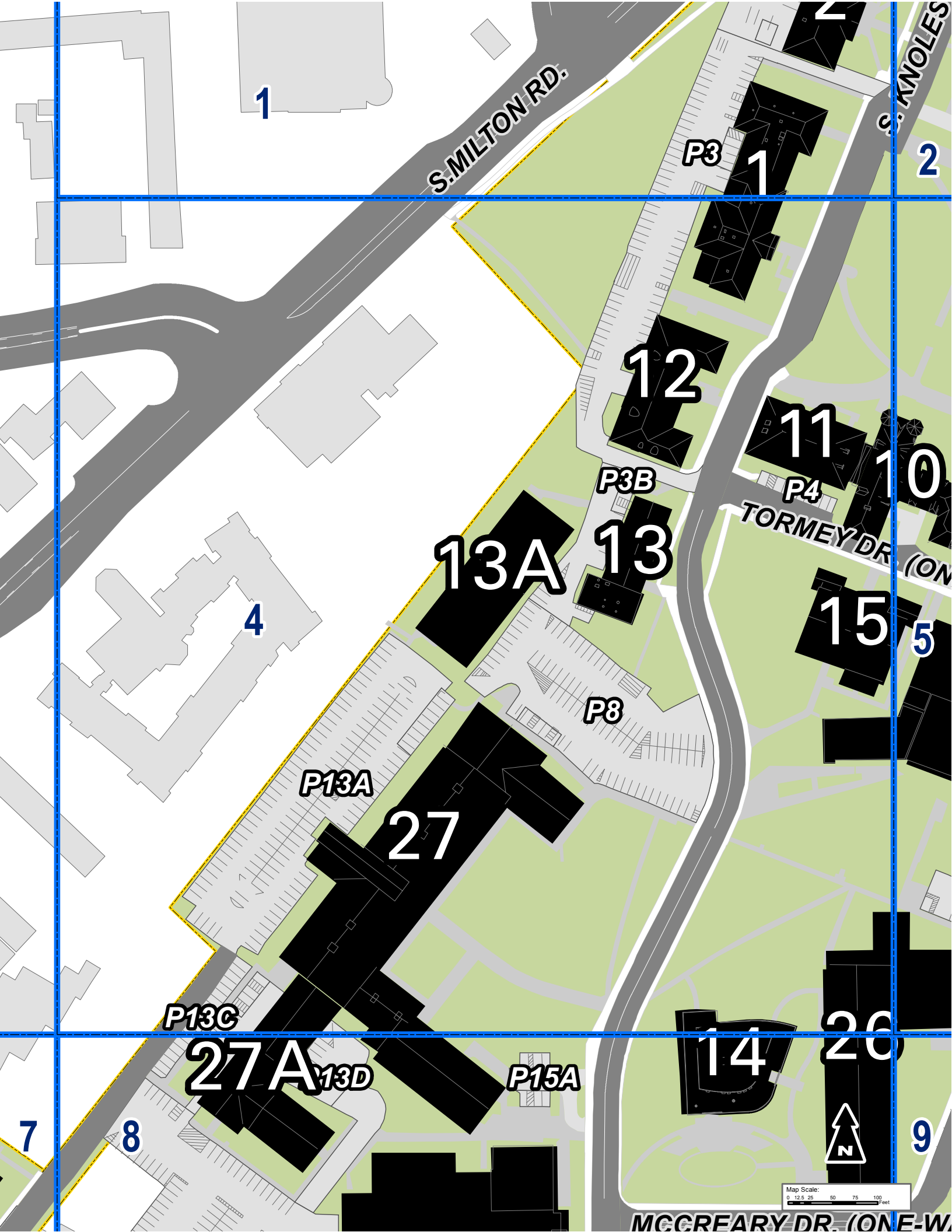
E. DUPONT AVE.

P2



Map Scale:
0 12.5 25 50 75 100 Feet

S



1

S. MILTON RD.

P3

1

2

S. KNOLES

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11

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P3B

P4

TORMEY DR. (ONE-WAY)

13A

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P8

P13A

27

P13C

27A

P13D

P15A

14

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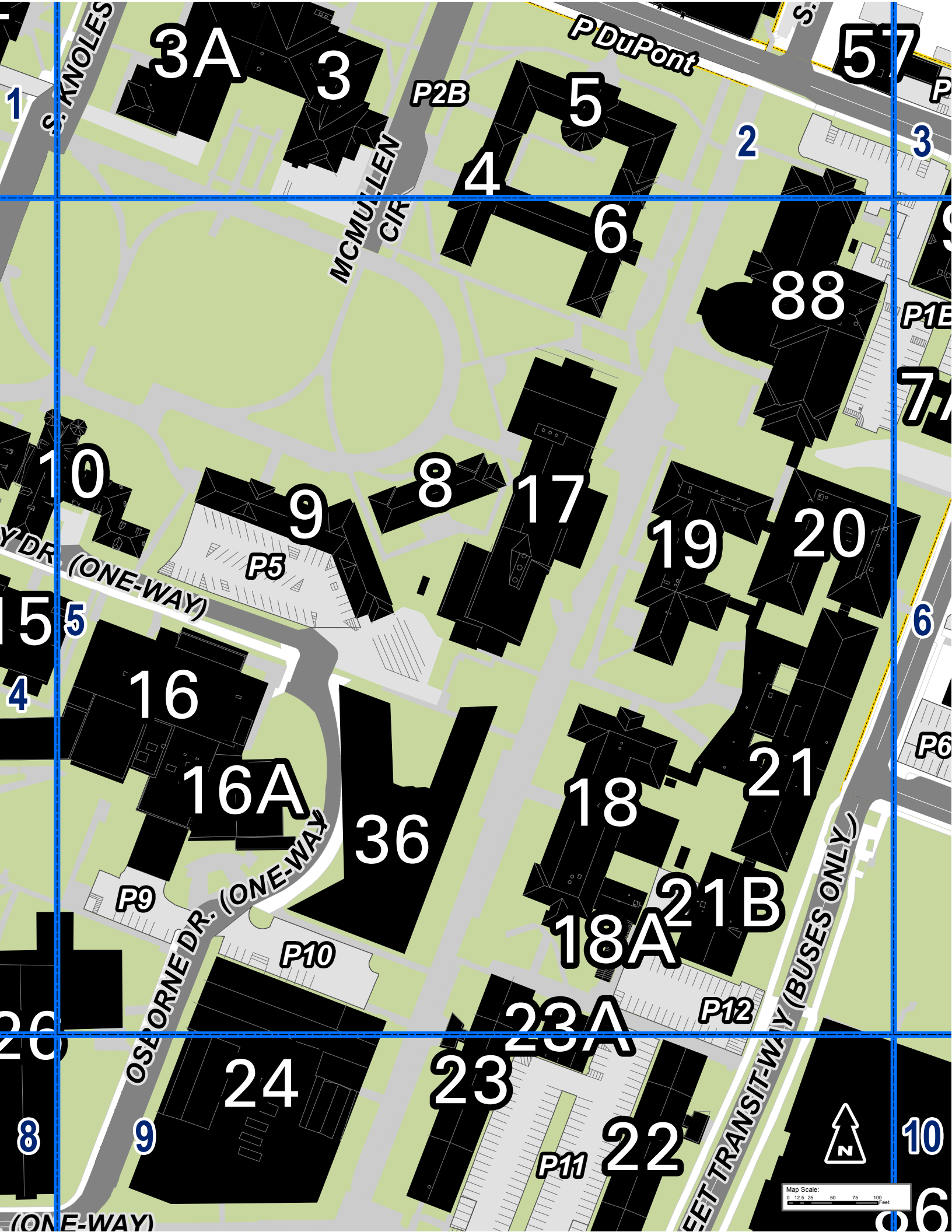
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Map Scale:
0 12.5 25 50 75 100 Feet

MCCREARY DR. (ONE-WAY)



3A

3

P2B

4

5

6

57

2

MCMULLEN CIR

88

P1B

10

9

8

17

19

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(ONE-WAY)

P5

15

4

16

16A

36

18

21

P9

OSBORNE DR. (ONE-WAY)

P10

18A 21B

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23A

P12

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P11

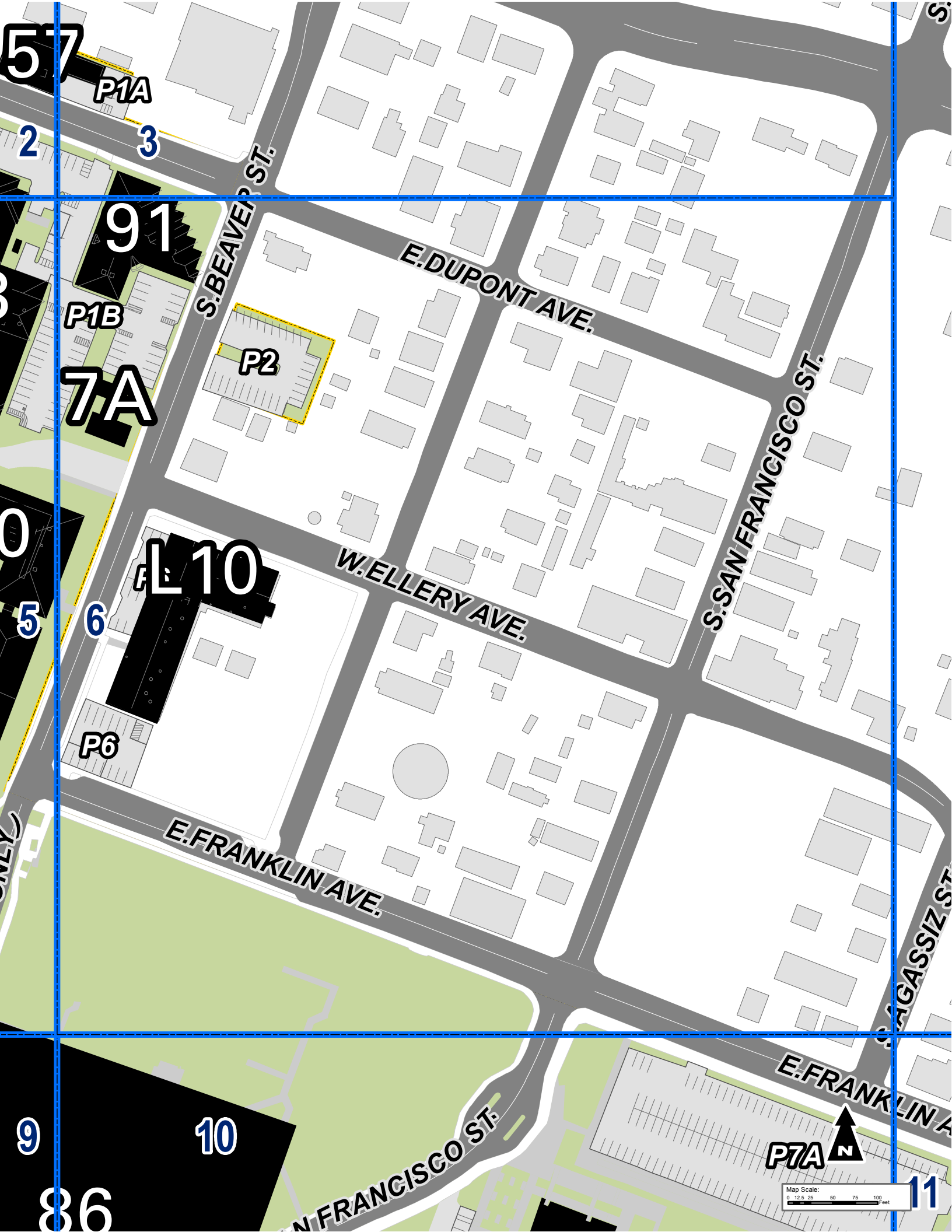
FEET-TRANSIT-WAY (BUSES ONLY)



Map Scale: 0 12.5 25 50 75 100 Feet

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P1A

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P1B

7A

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P6

W. ELLERY AVE.

E. FRANKLIN AVE.

E. DUPONT AVE.

S. SAN FRANCISCO ST.

ONLY

S. GASSIZ ST.

E. FRANKLIN AVE.

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86

SAN FRANCISCO ST.

P7A



Map Scale:
0 12.5 25 50 75 100 Feet

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W METZ
WALK

W RIORDAN RD.

W. RIORDAN RD.

S. RIORDAN RANCH ST.

S PLAZA
WAY

S. PLAZA
WAY

P13B

92

7

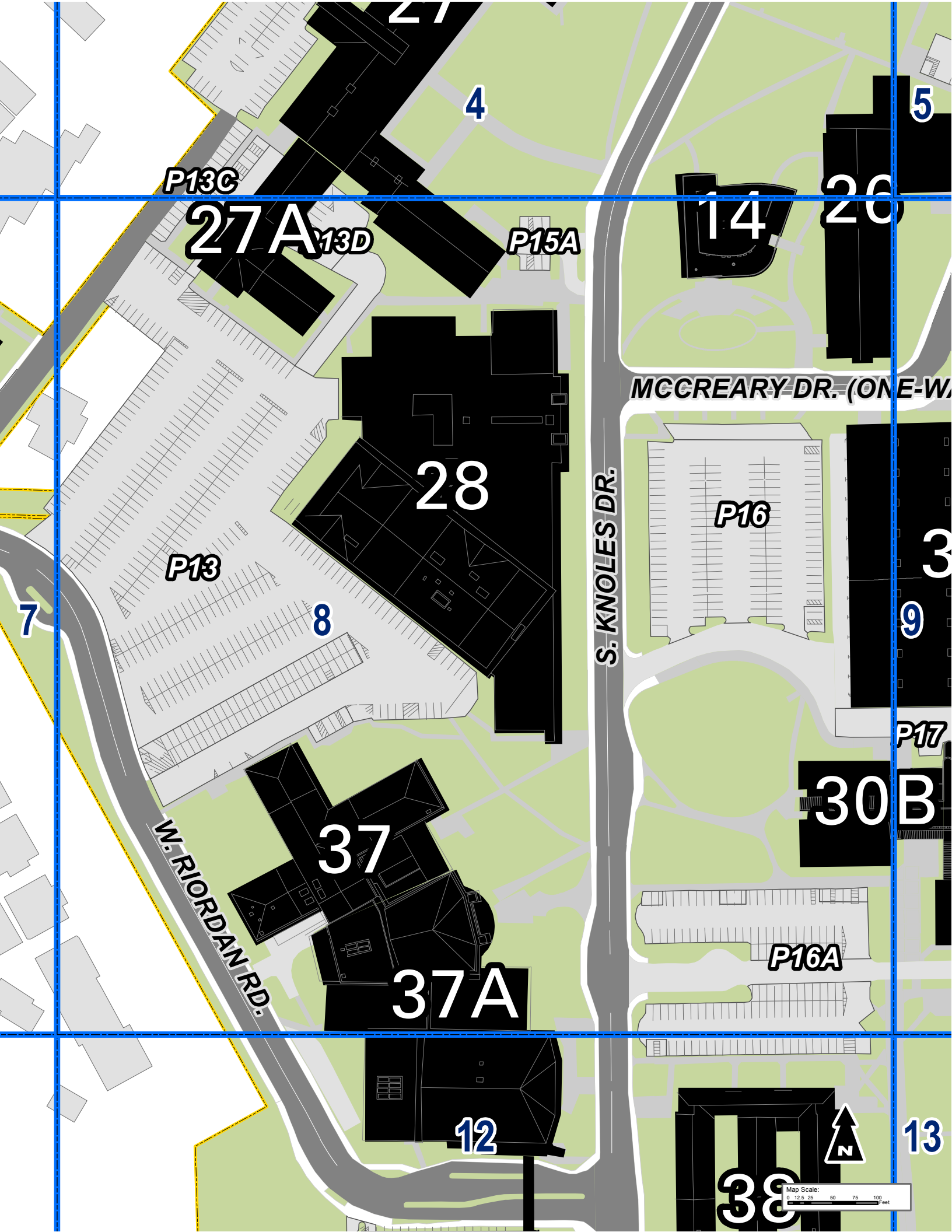
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12



Map Scale:
0 12.5 25 50 75 100
Feet



P13C

27 A 13D

P15A

14

26

MCCREARY DR. (ONE-WAY)

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P13

8

S. KNOLES DR.

P16

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P17

W. RIORDAN RD.

37

30 B

37 A

P16A

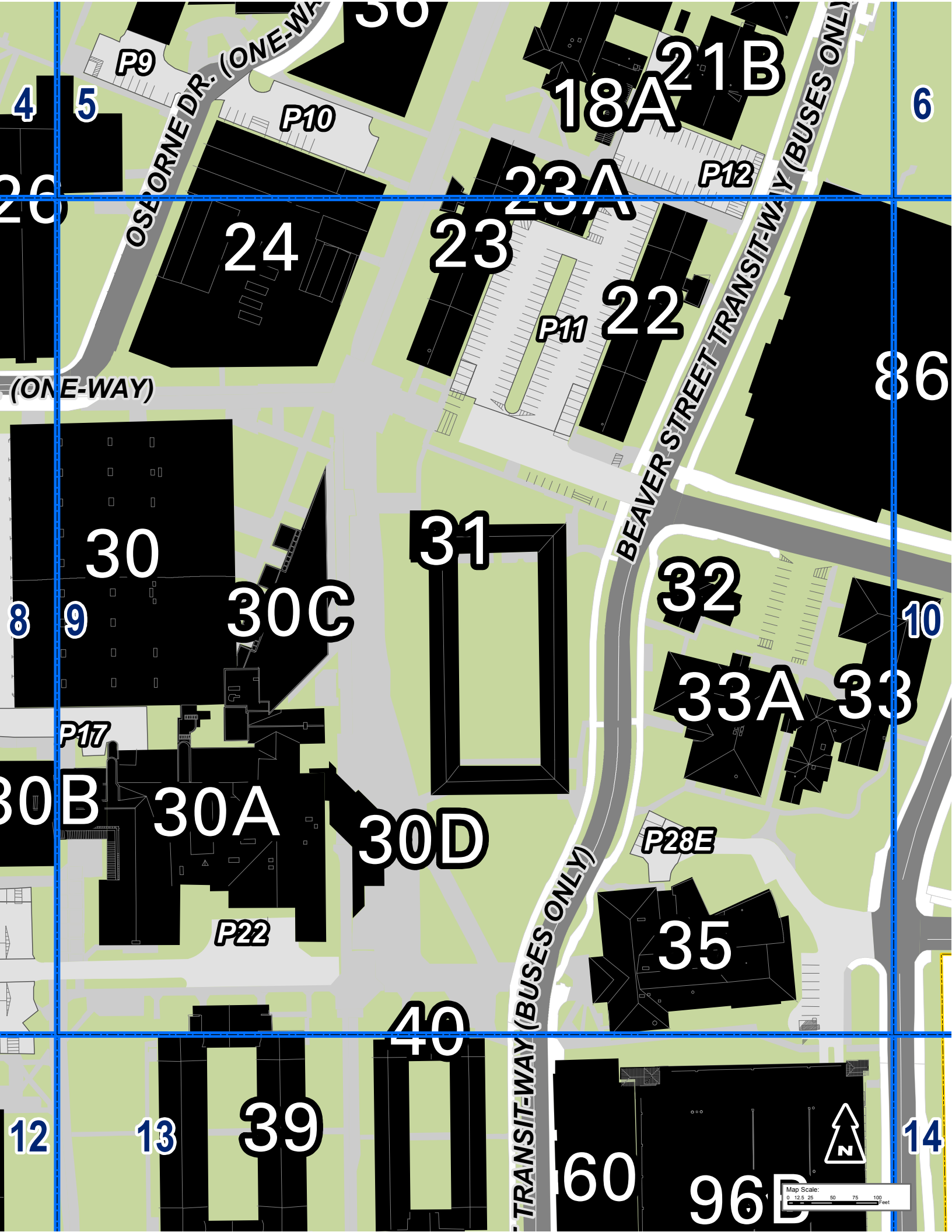
12



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Map Scale: 0 12.5 25 50 75 100 Feet



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26

OSBORNE DR. (ONE-WAY)

P9

P10

18A 21B

P12

23A

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P11

(ONE-WAY)

86

BEAVER STREET TRANSIT-WAY (BUSES ONLY)

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30C

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P28E

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TRANSIT-WAY (BUSES ONLY)

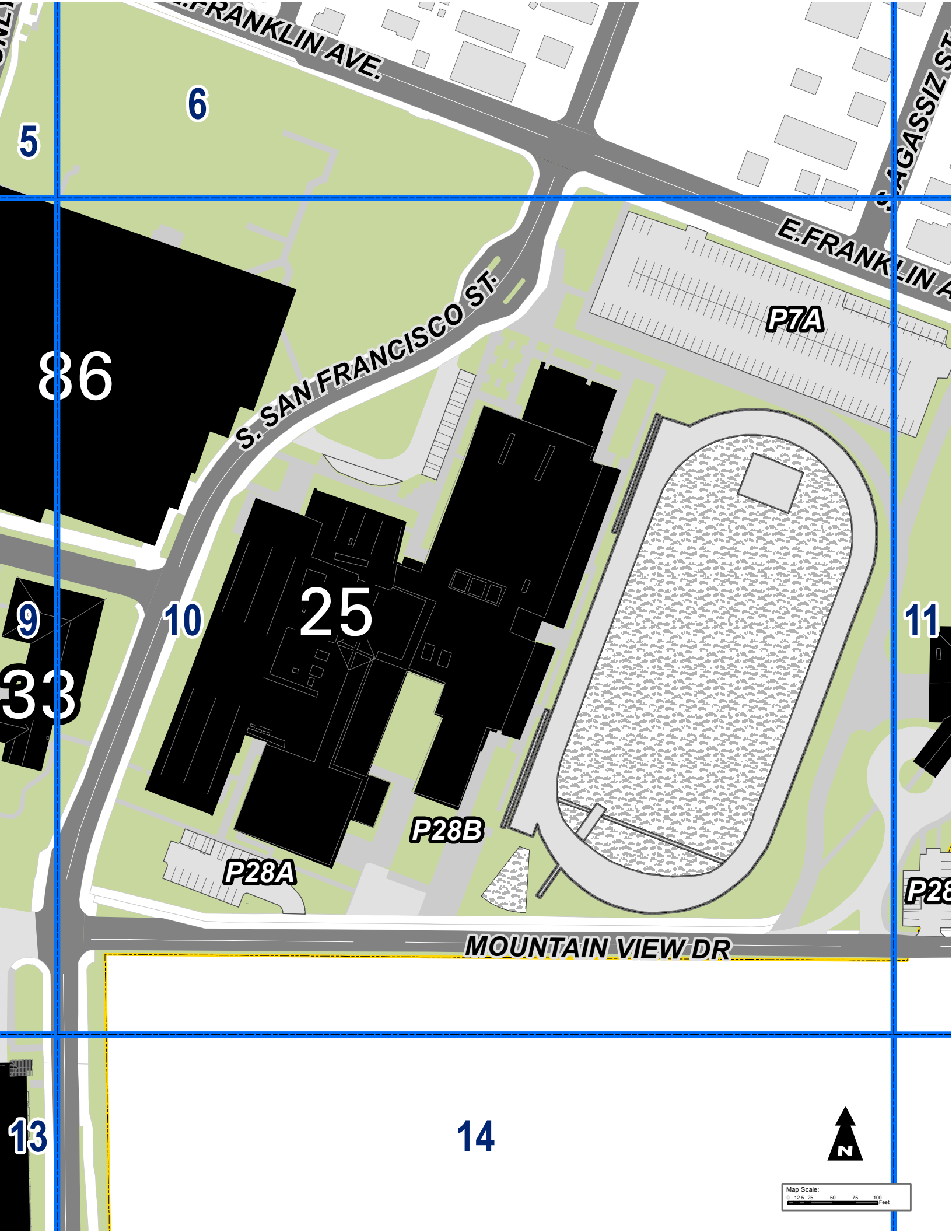
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Map Scale:
0 12.5 25 50 75 100 Feet



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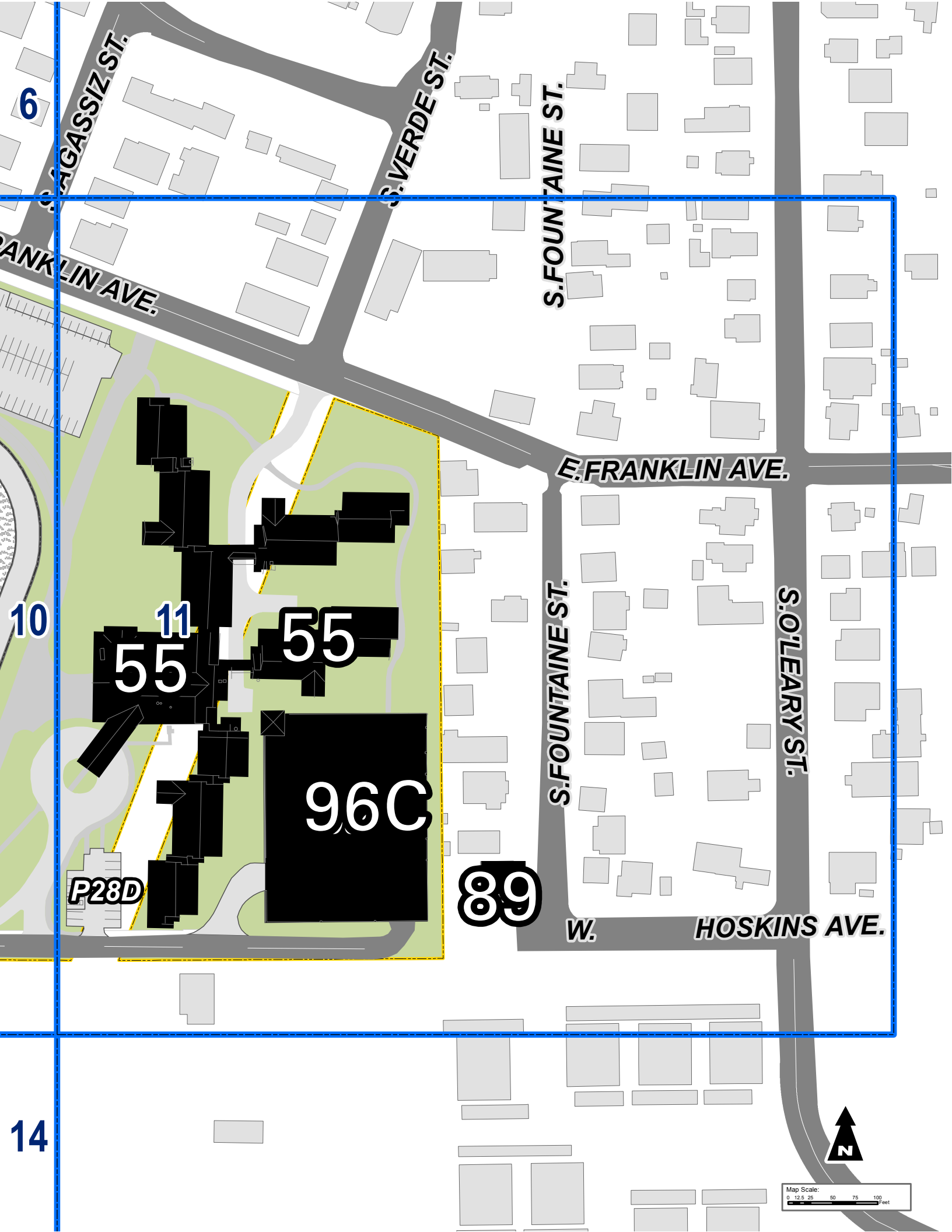
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Map Scale:
0 12.5 25 50 75 100
Feet



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96C

P28D

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S. FOUNTAINE ST.

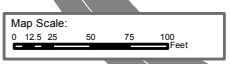
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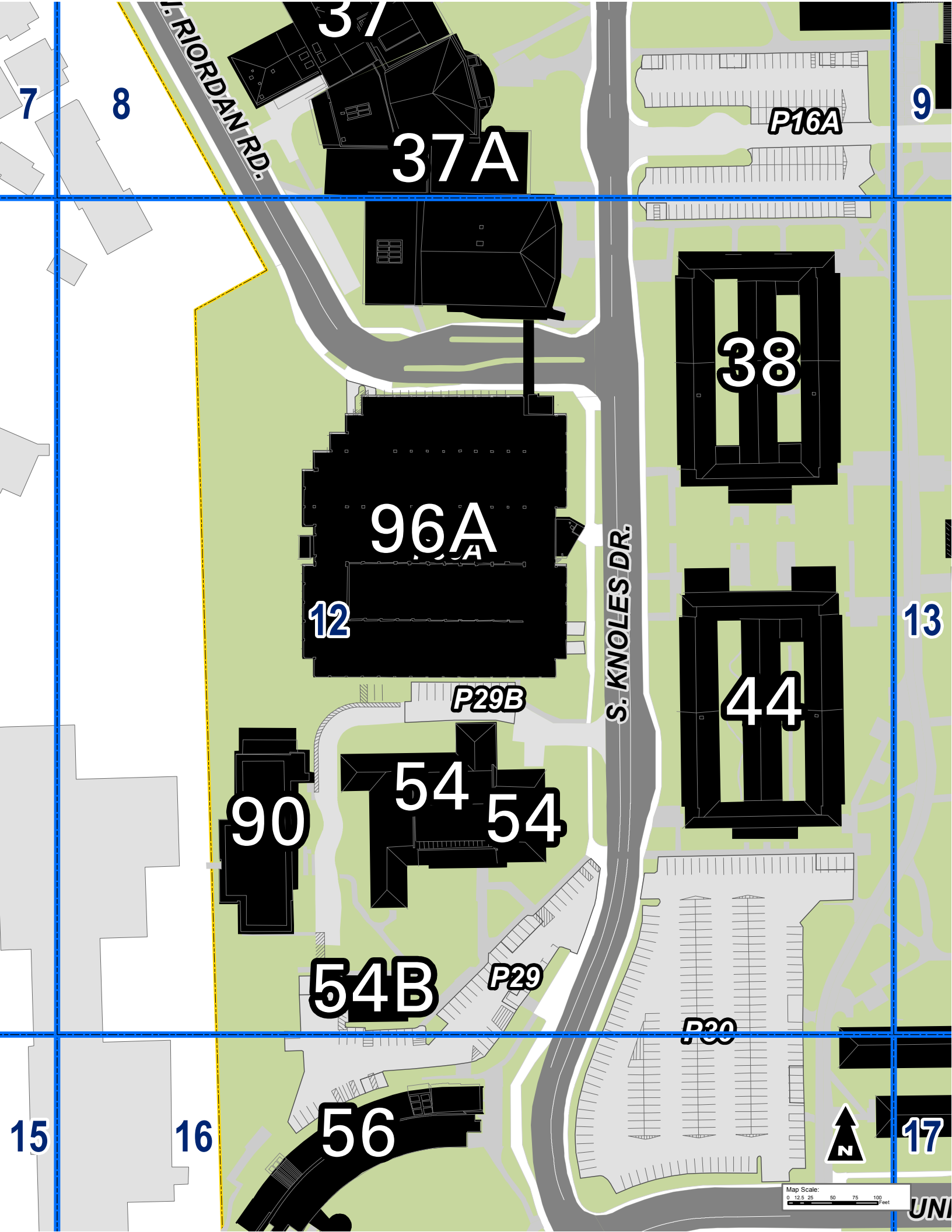
S. FOUNTAINE ST.

S. O'LEARY ST.

W.

HOSKINS AVE.





S. RIORDAN RD.

S. KNOLES DR.

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37A

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P16A

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Map Scale:
0 12.5 25 50 75 100 Feet

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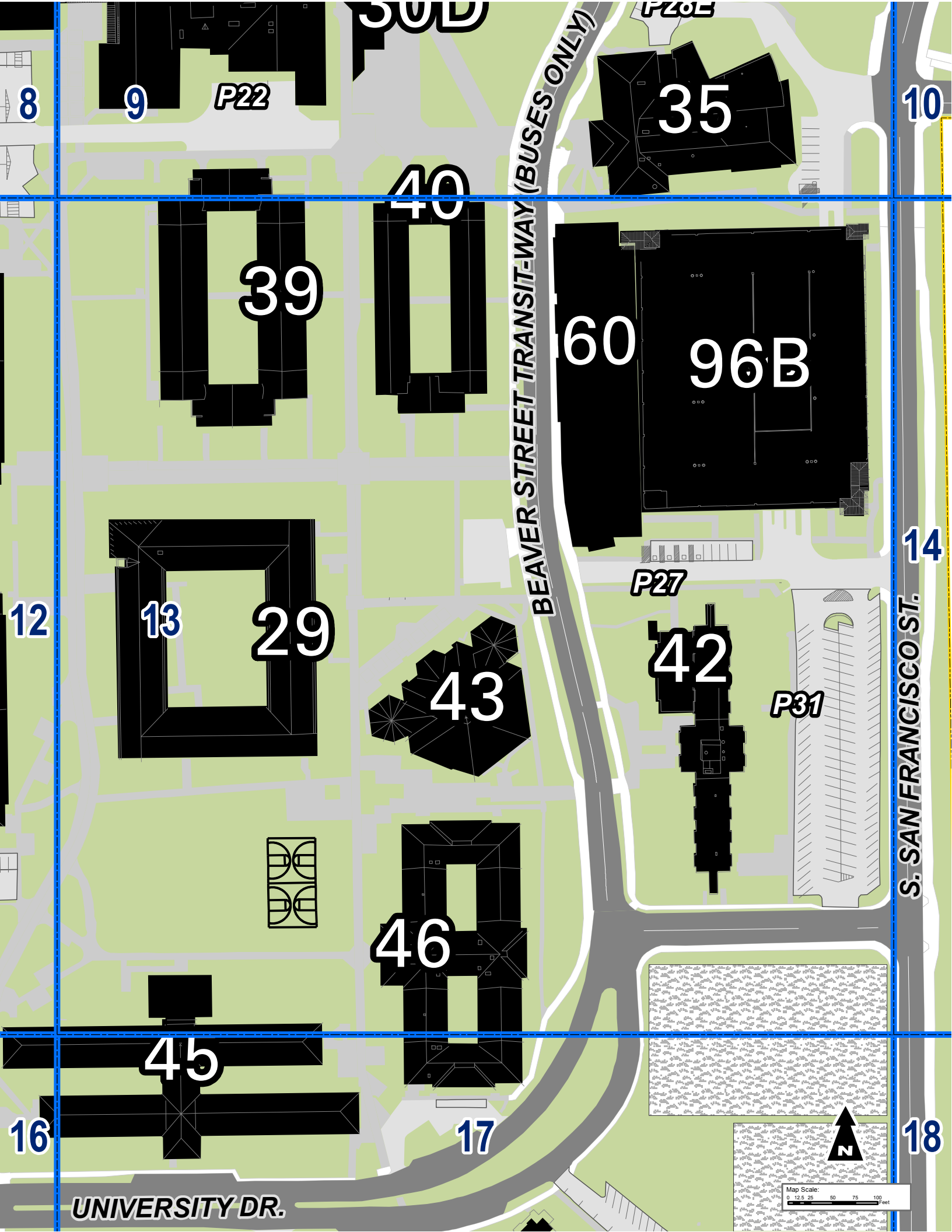
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S. SAN FRANCISCO ST.

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UNIVERSITY DR.



Map Scale:
0 12.5 25 50 75 100 Feet

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MOUNTAIN VIEW DR

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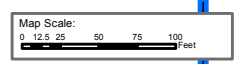
S. SAN FRANCISCO ST.

17

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S. RIORDAN DR.

CHAMBERS DR.

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W. UNIVERSITY AVE.

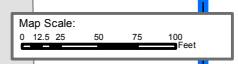
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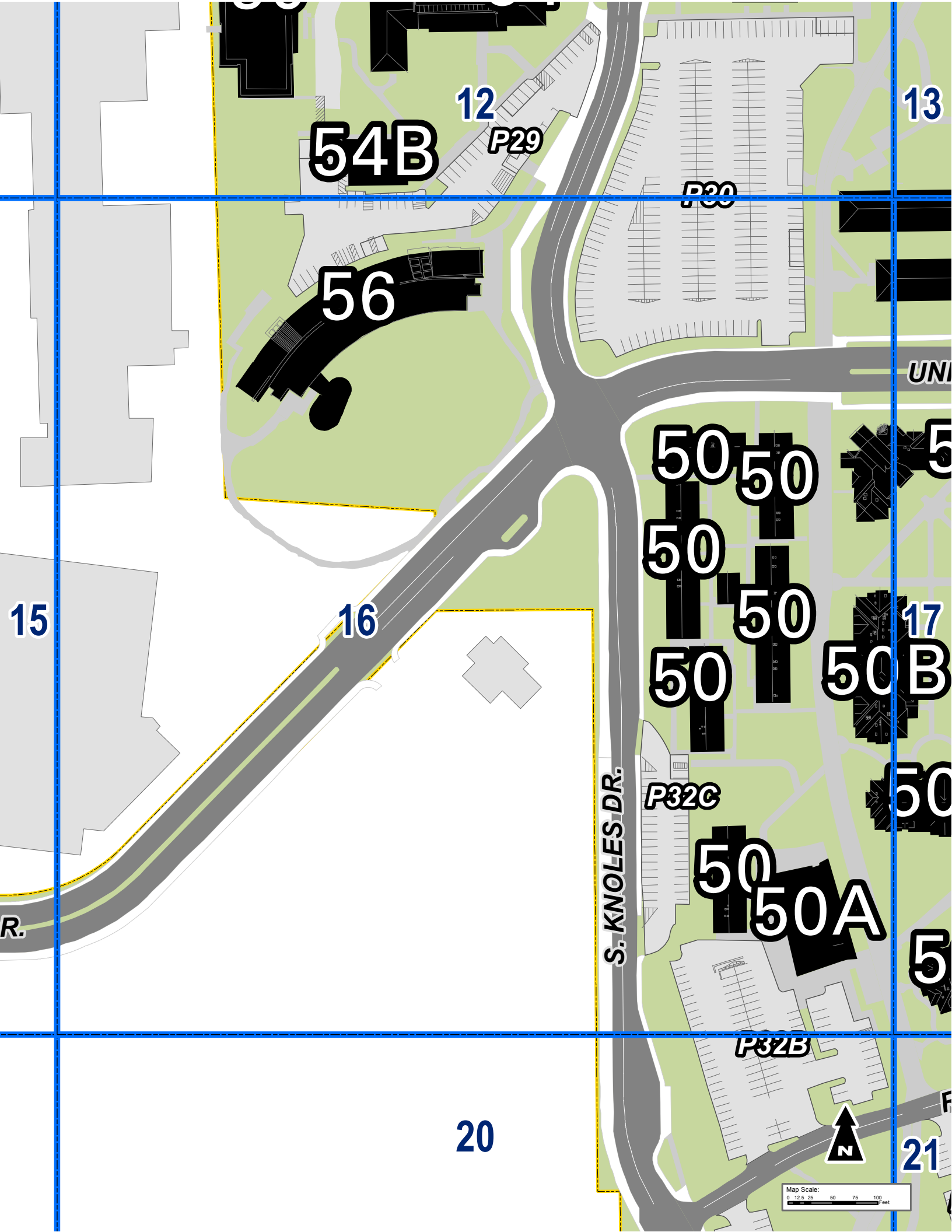
16

W. UNIVERSITY DR.



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54B

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S. KNOLES DR.

P32C

50 **50A**

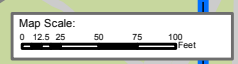
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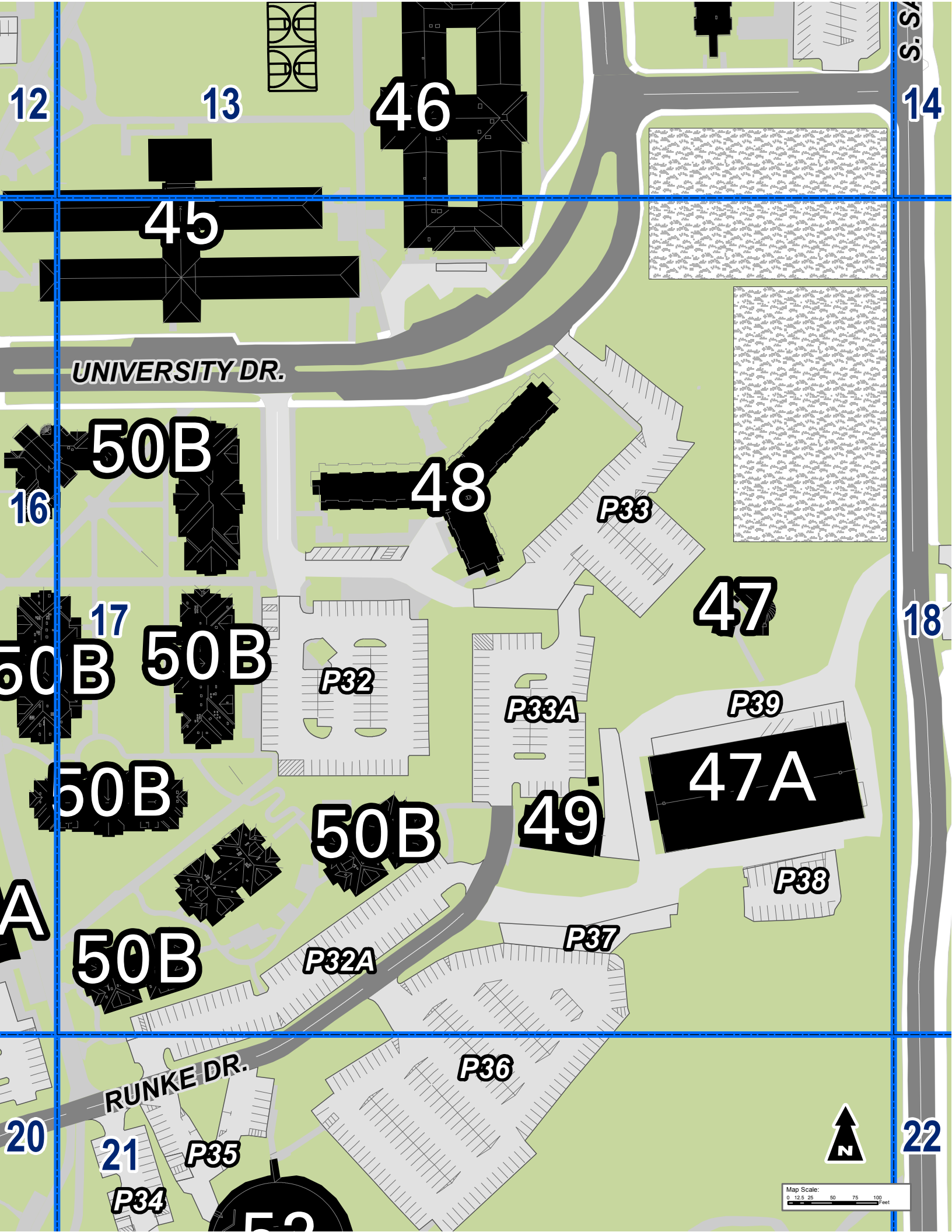
P32B

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UNIVERSITY DR.

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P33

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50B

P32

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P33A

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47A

P38

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50B

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P32A

P37

RUNKE DR.

P36

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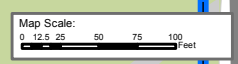
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P34



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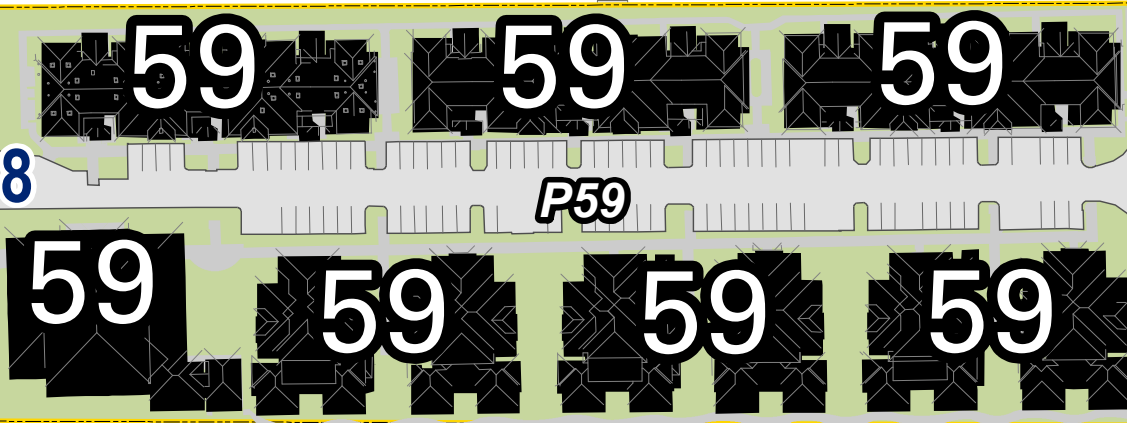
S. SA

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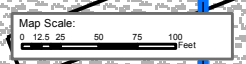


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S. ONE TREE RD.

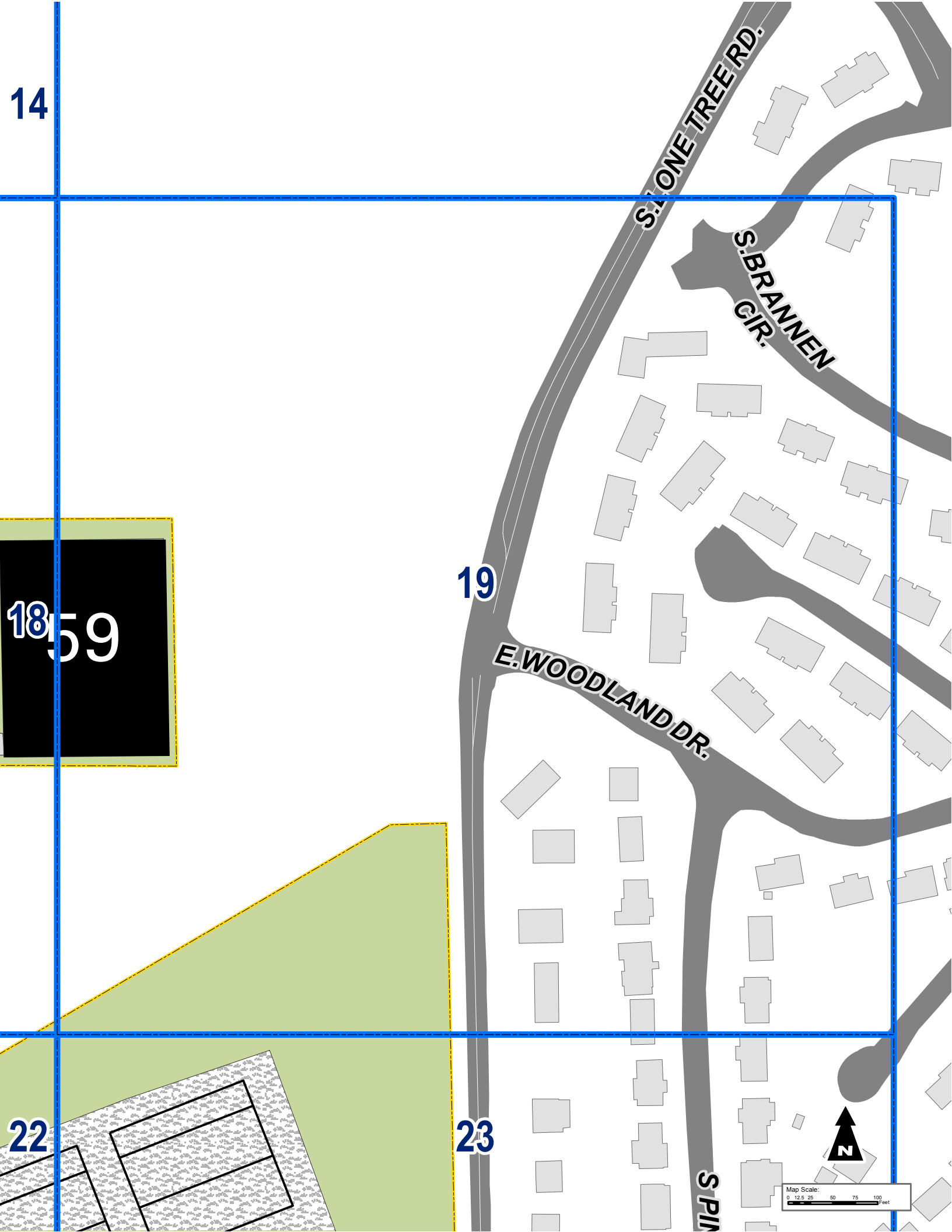
S. BRANNEN CIR.

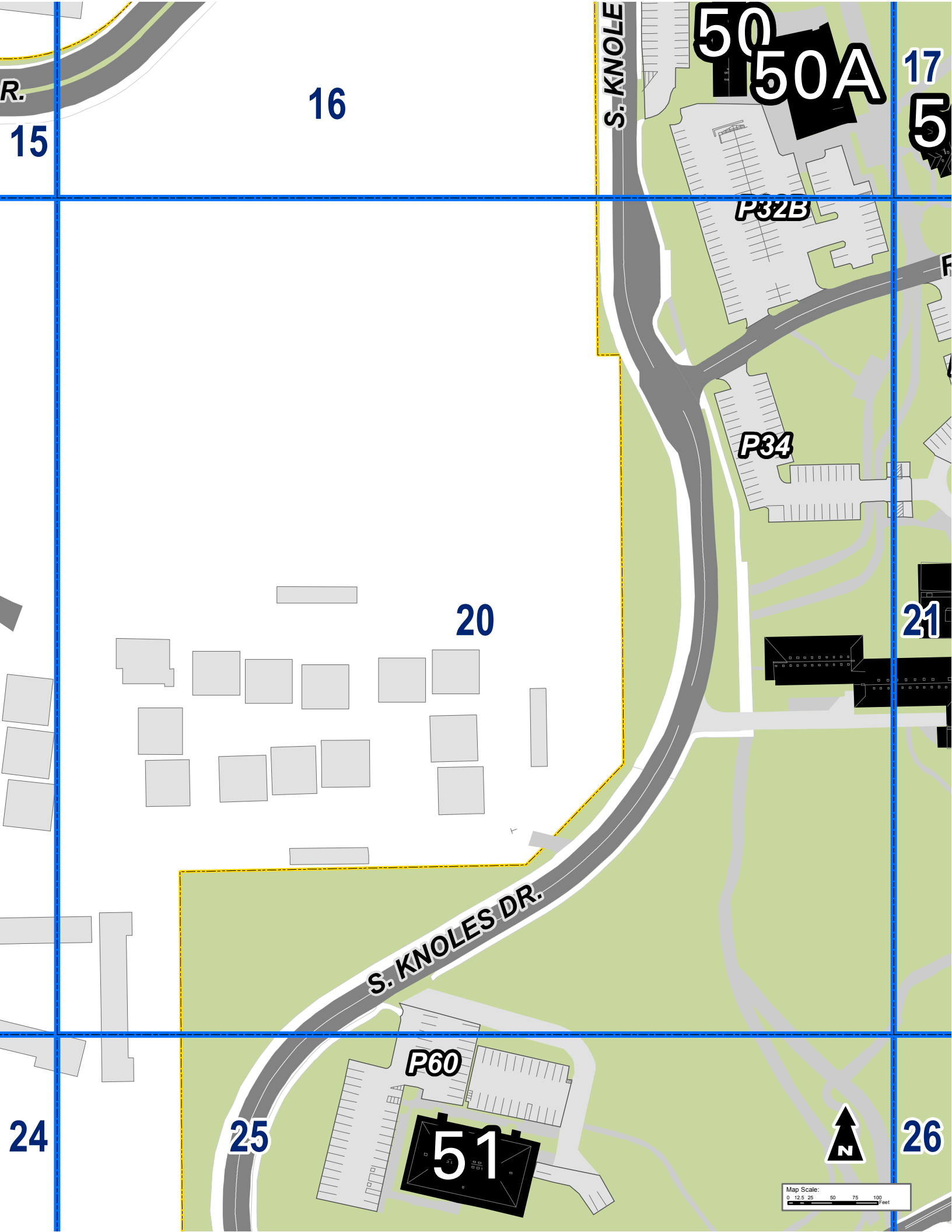
E. WOODLAND DR.

S. PIN



Map Scale:
0 12.5 25 50 75 100 Feet





R.

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S. KNOLES

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50A

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P32B

P34

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S. KNOLES DR.

P60

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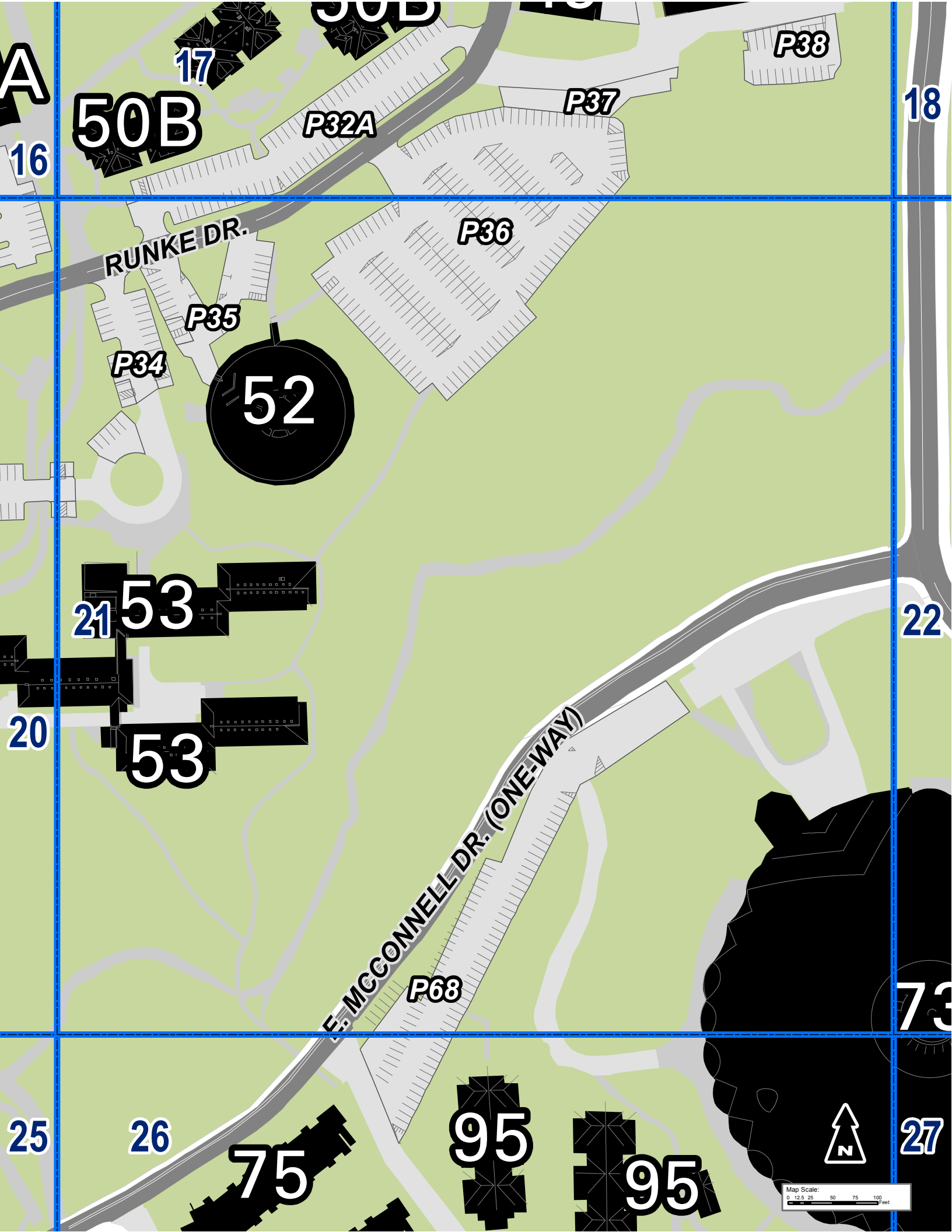


Map Scale:
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RUNKE DR.

E. MCCONNELL DR. (ONE-WAY)

P38

P32A

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Map Scale:
0 12.5 25 50 75 100 Feet



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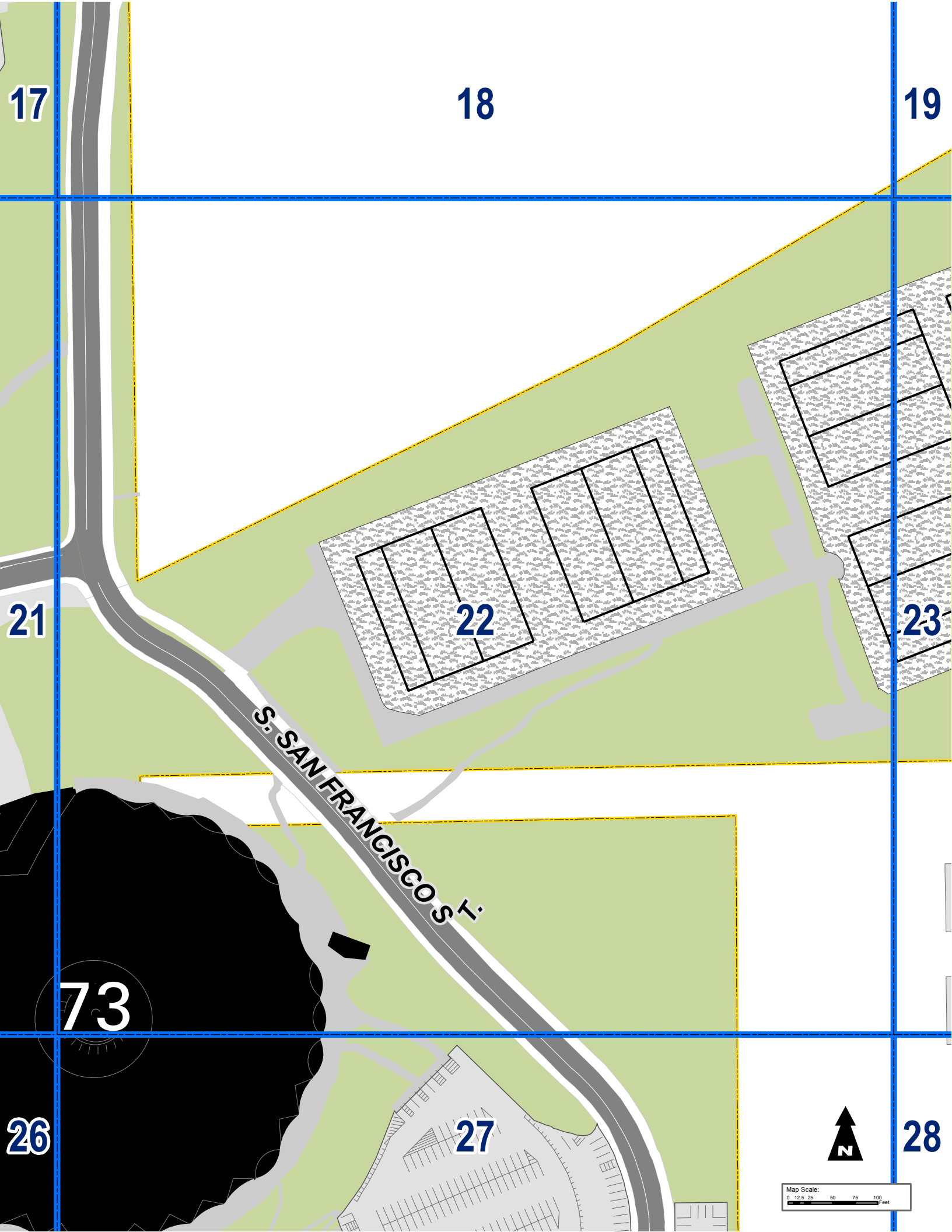
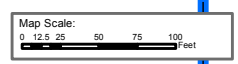
S. SAN FRANCISCO ST.

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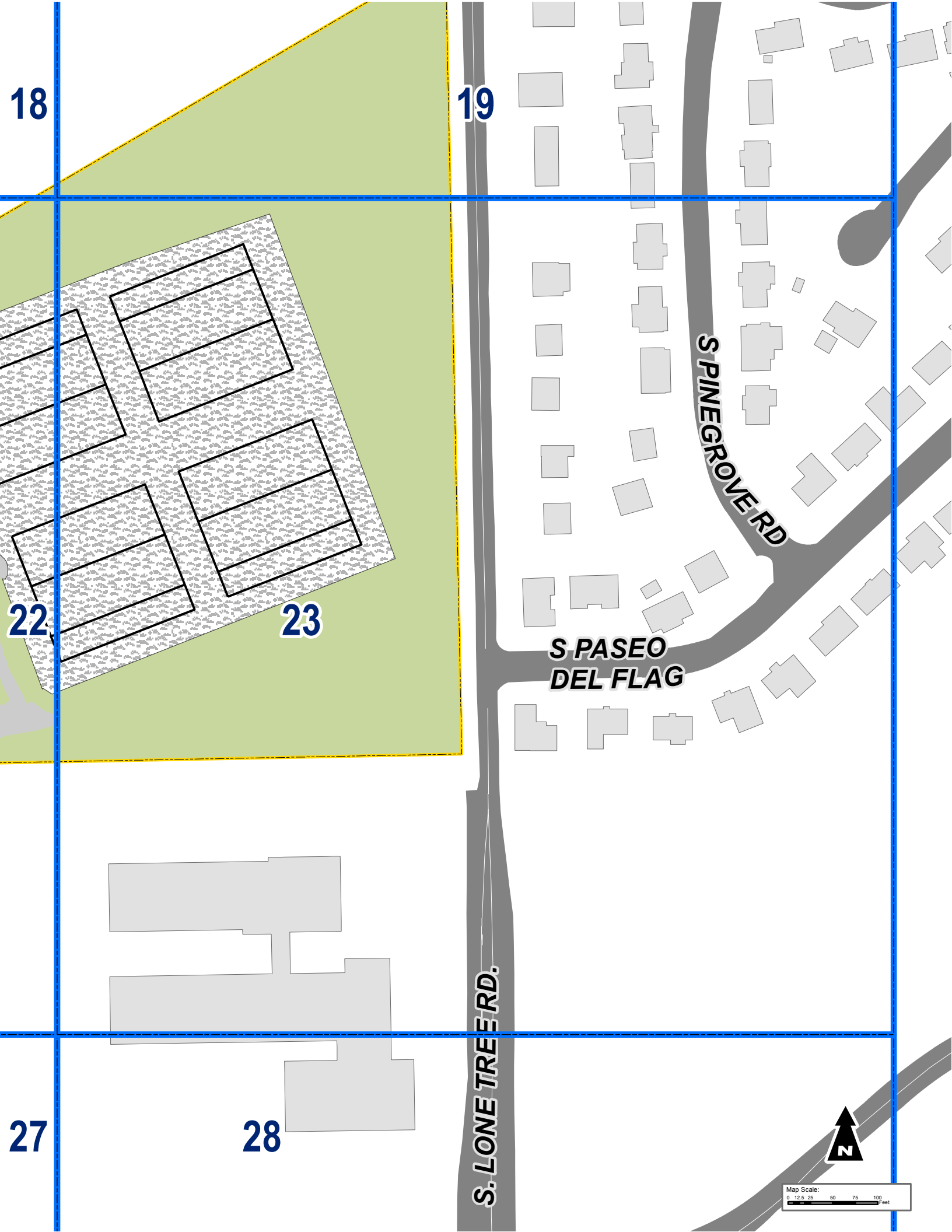
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S. PINEGROVE RD

S. PASEO DEL FLAG

S. LONE TREE RD.



Map Scale:
 0 12.5 25 50 75 100 Feet

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W.SAUNDERS DR.

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W.FOREST MEADOWS ST.

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S. MILTON RD.

W.MCGCONNELL DR.

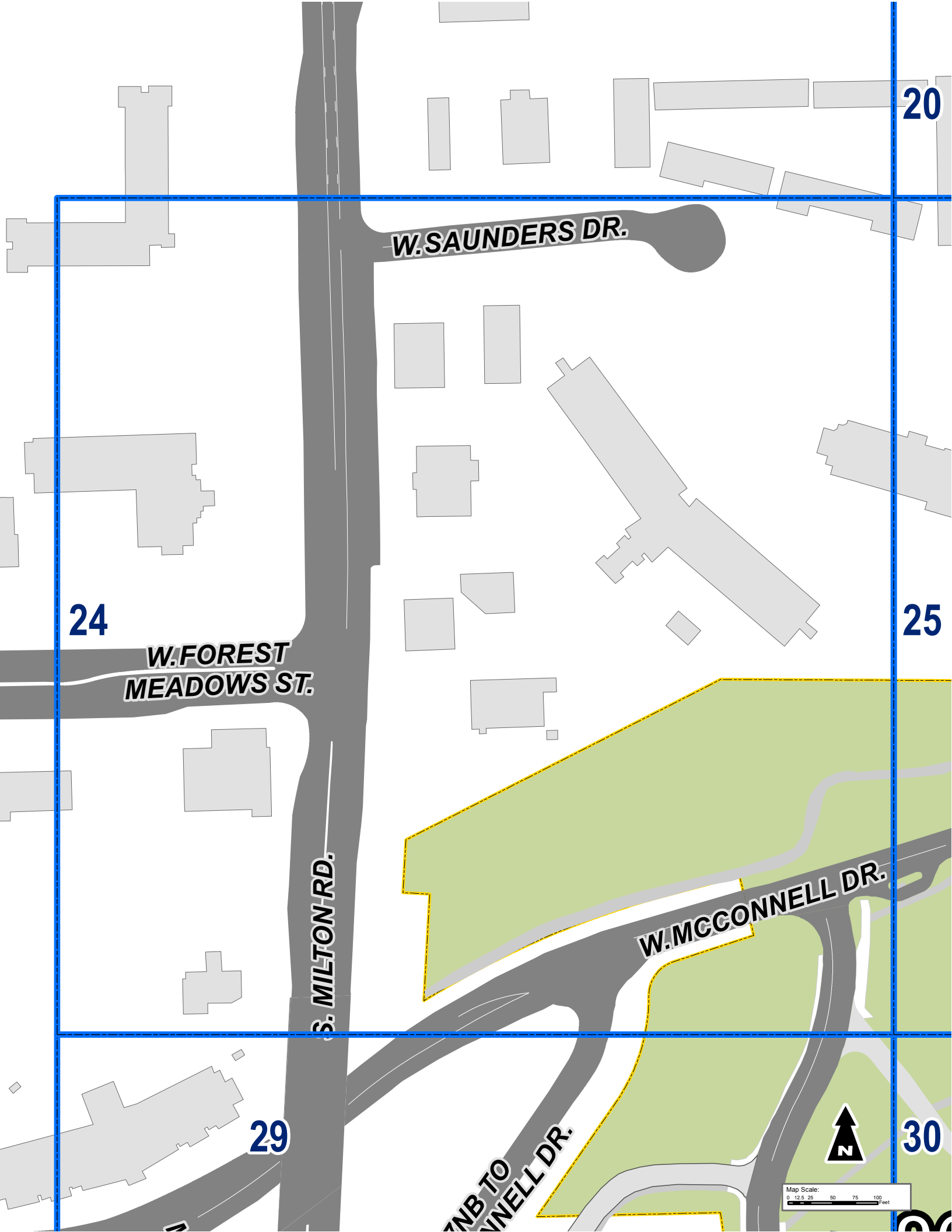
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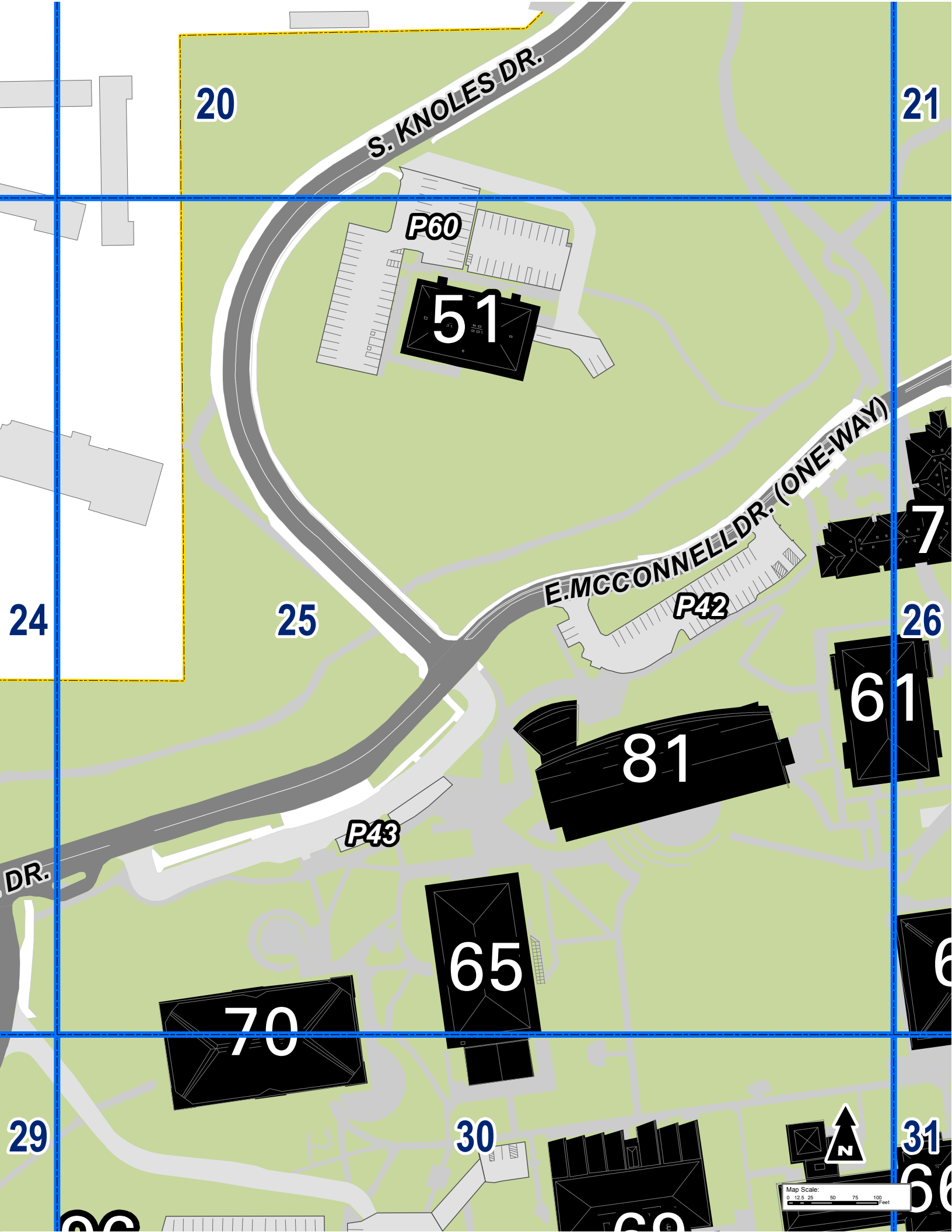
W.MCGCONNELL DR.

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Map Scale:
0 12.5 25 50 75 100 Feet





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S. KNOLES DR.

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E. MCCONNELL DR. (ONE-WAY)

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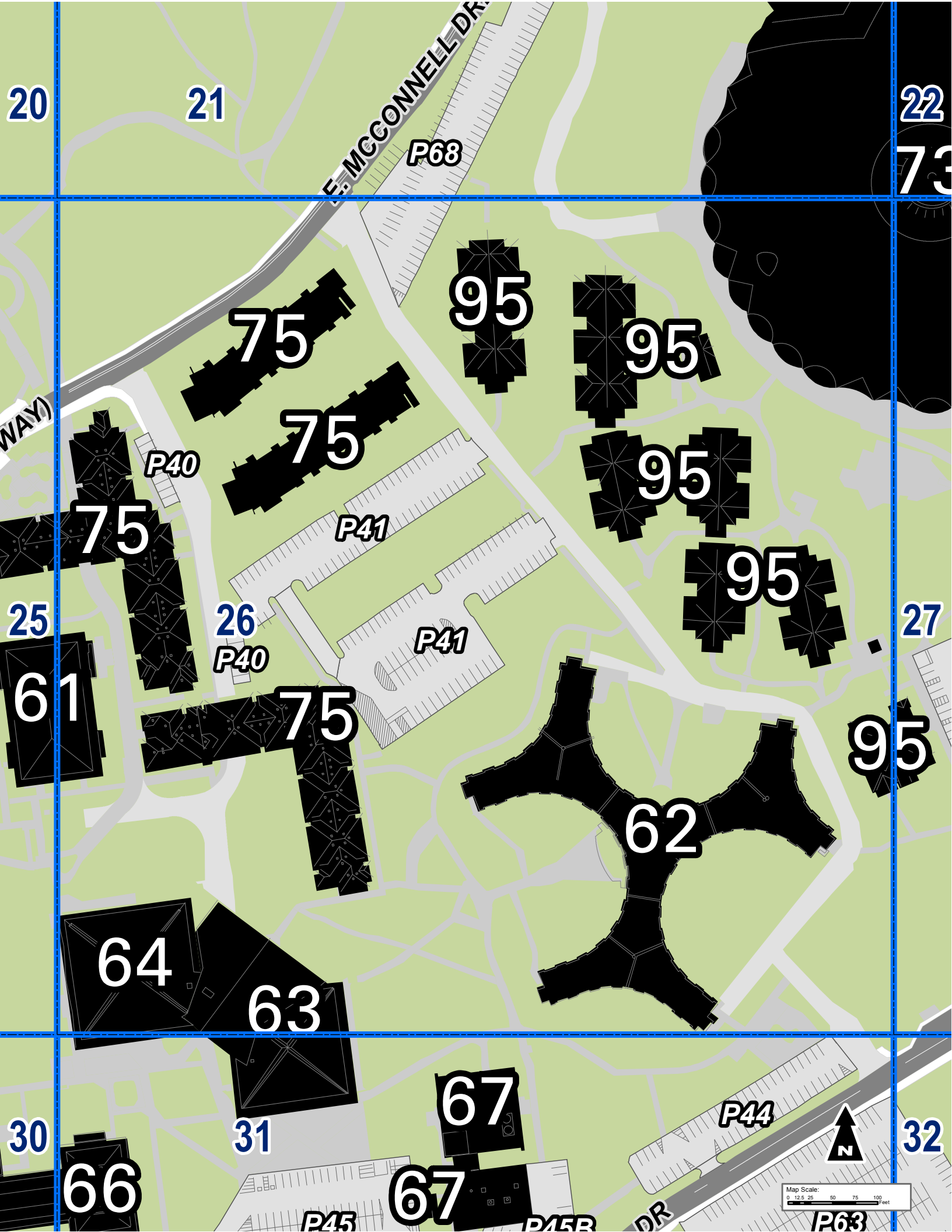
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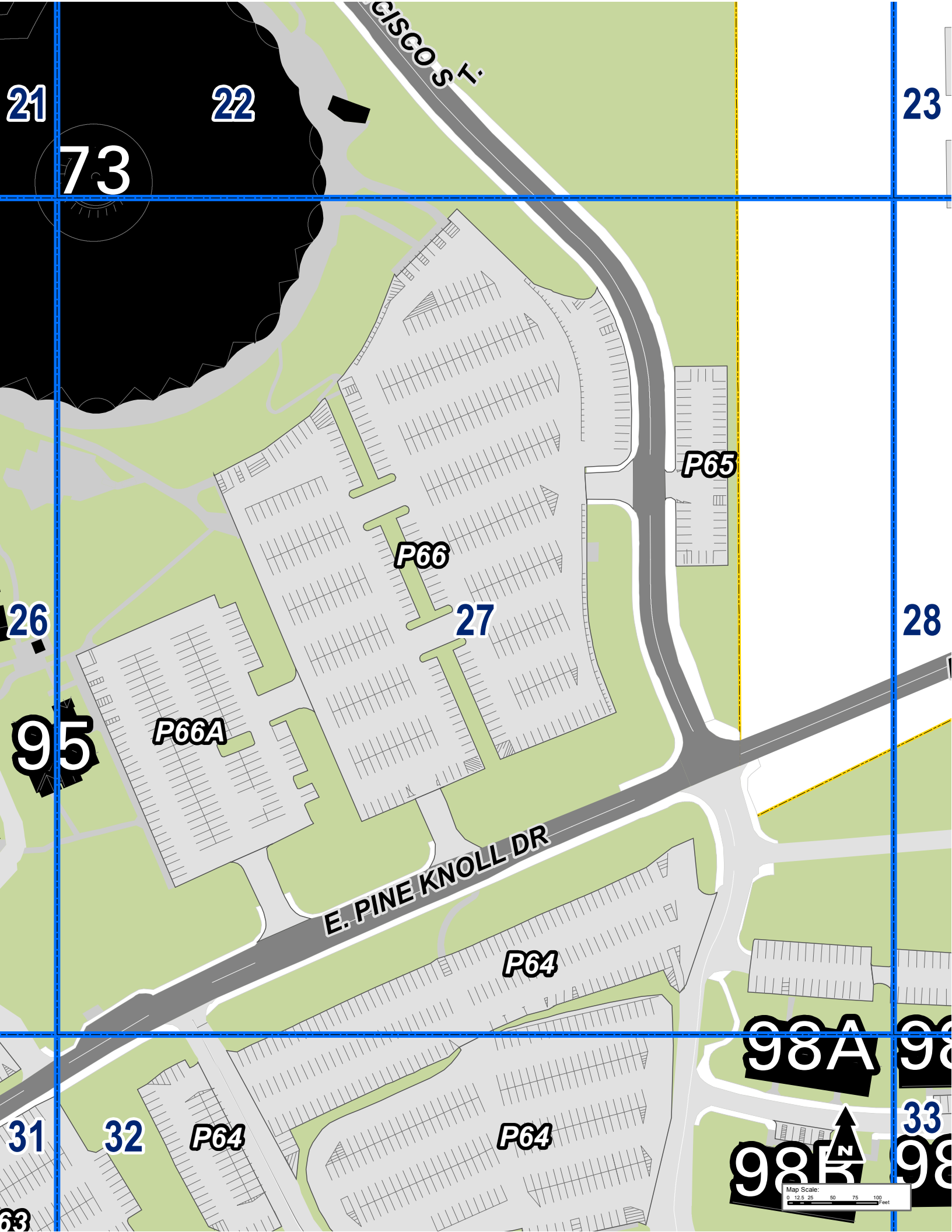
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Map Scale:
0 12.5 25 50 75 100 Feet

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CISCO ST.

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P66A

E. PINE KNOLL DR

P64

98A

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P64

P64

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98B

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63

Map Scale: 0 12.5 25 50 75 100 Feet

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S. LONE TREE RD.

E. PINE
KNOLL DR.

28

E. PINE
KNOLL DR.

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98F

A 98C

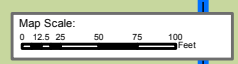
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32 98D

S. LONE TREE RD.



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S. MILTON RD.

W. MCCONNELL DR.

MCCONNELL DR. TO I-17 SB

I-17 NB TO MCCONNELL DR.

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E. PINE

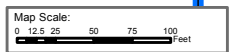
P62

P62A

P62B

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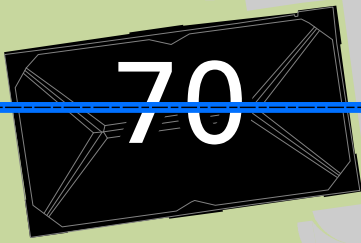


DR.

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96

P61

P47

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P49

P48A

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USFS

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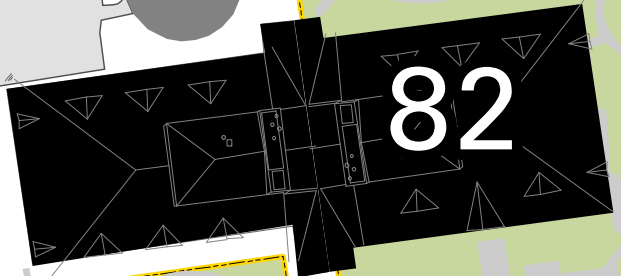
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62A

E. PINE KNOLL DR.



USFS

P46

82B

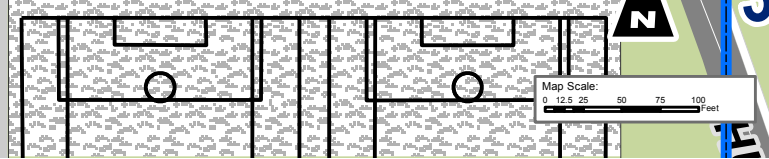
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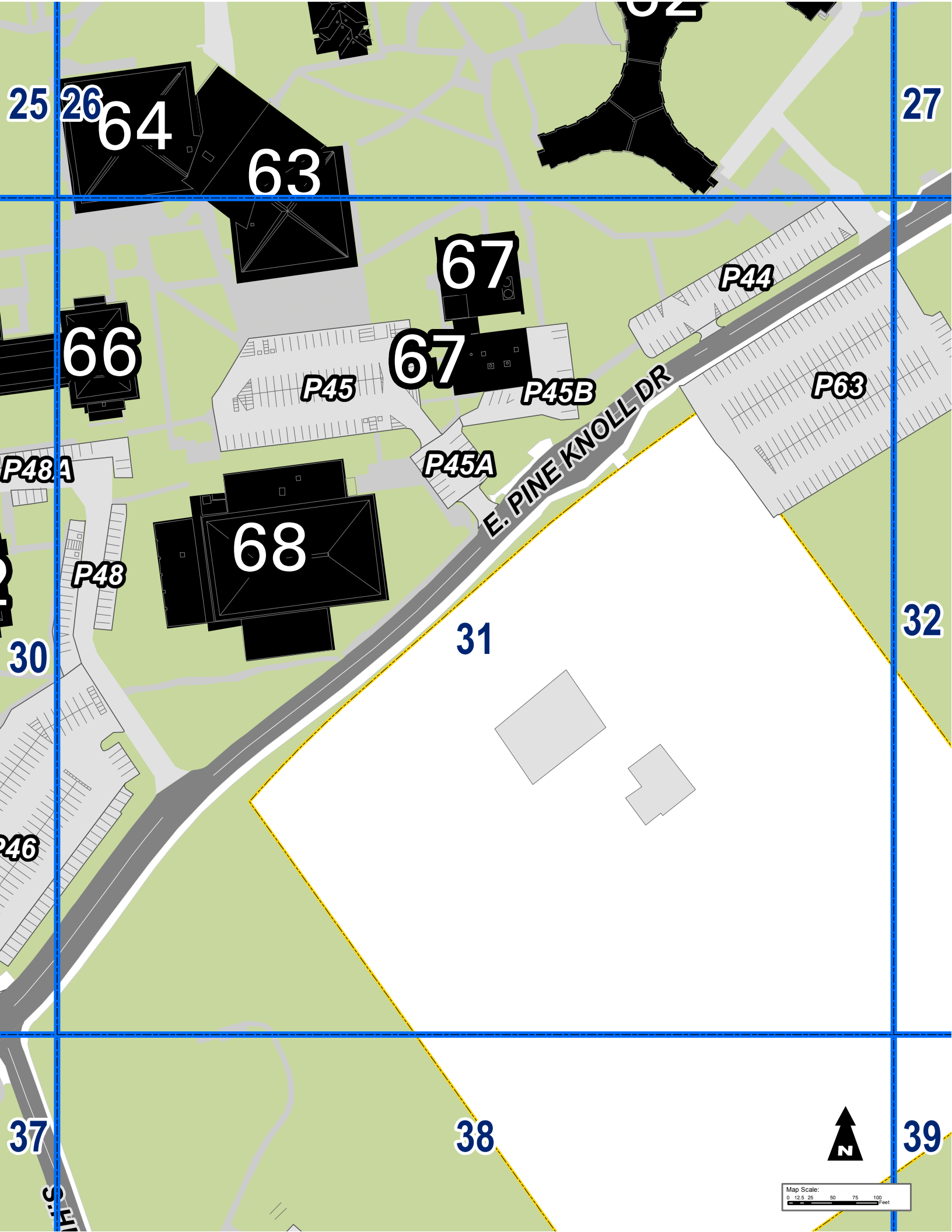
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P45

P45B

P44

P63

P45A

E. PINE KNOLL DR

P48A

P48

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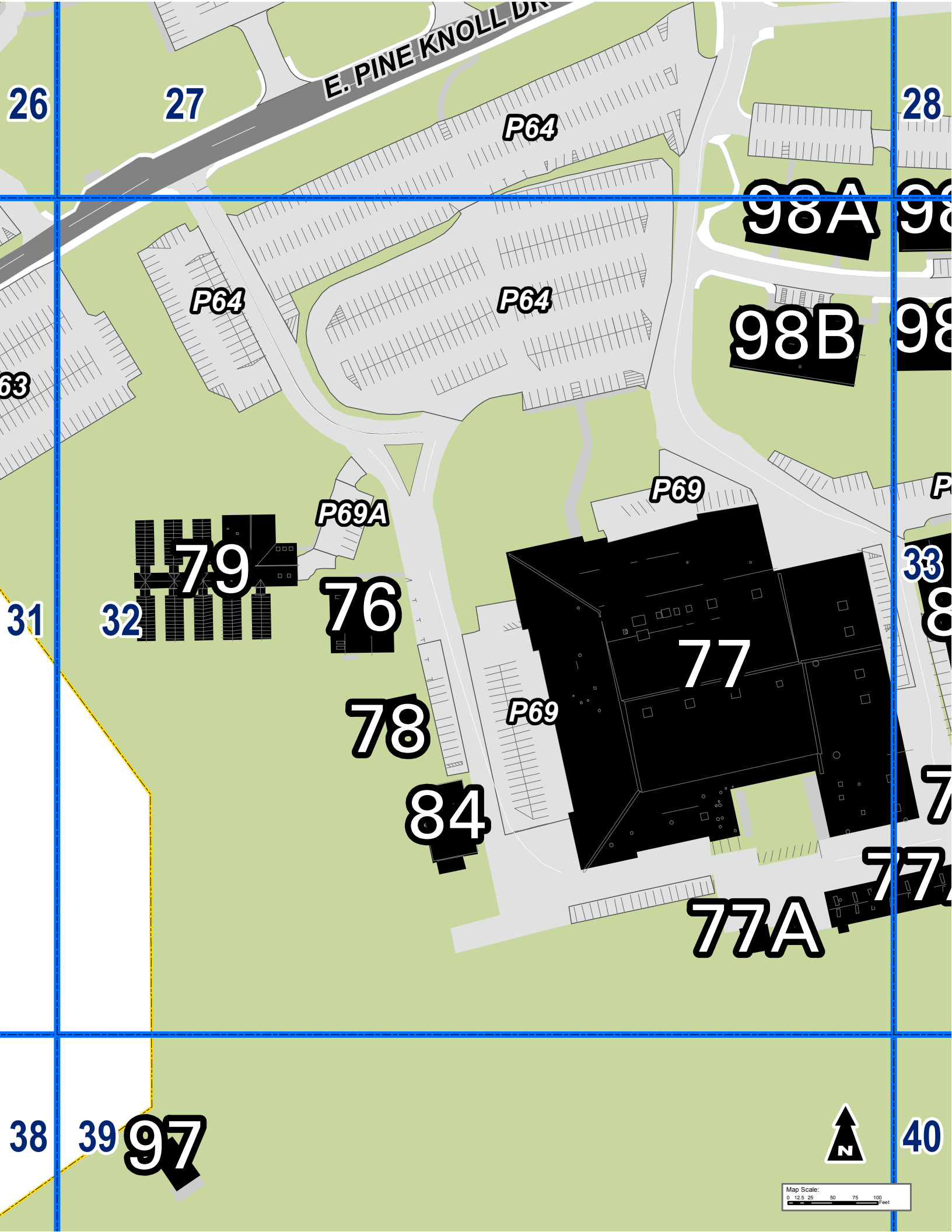
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Map Scale:
0 12.5 25 50 75 100 Feet



E. PINE KNOLL DR

26

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P64

98A

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P64

P64

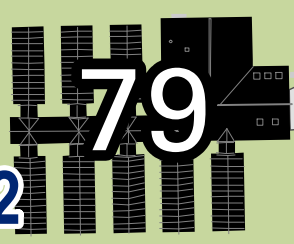
98B

98

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P69A

P69



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P69

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77

38

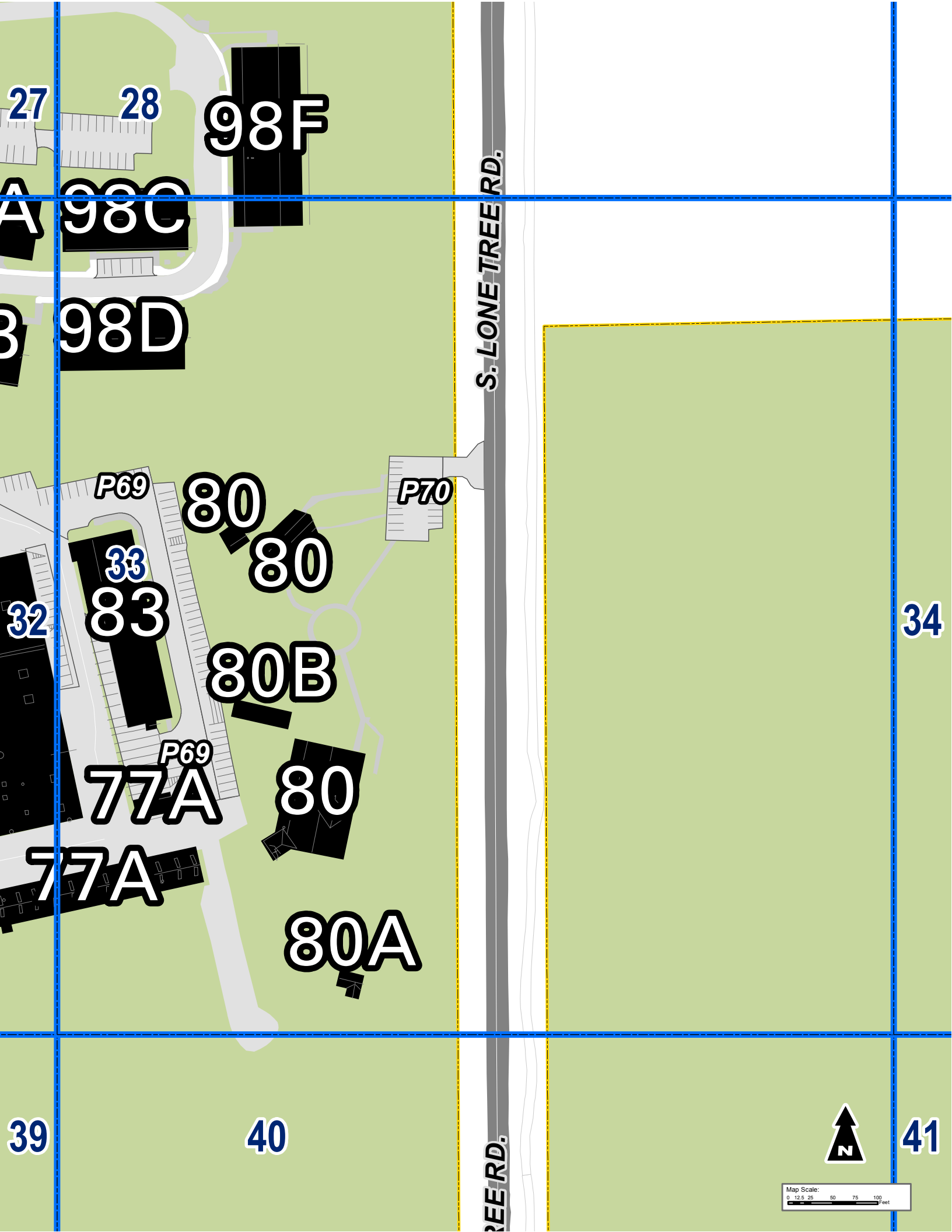
39

97



40

Map Scale:
0 12.5 25 50 75 100
Feet



27

28

98F

A 98C

B 98D

S. LONE TREE RD.

P69

80

P70

80

32

33

83

34

80B

P69

77A

80

77A

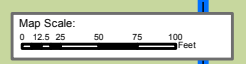
80A

39

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41



28

33

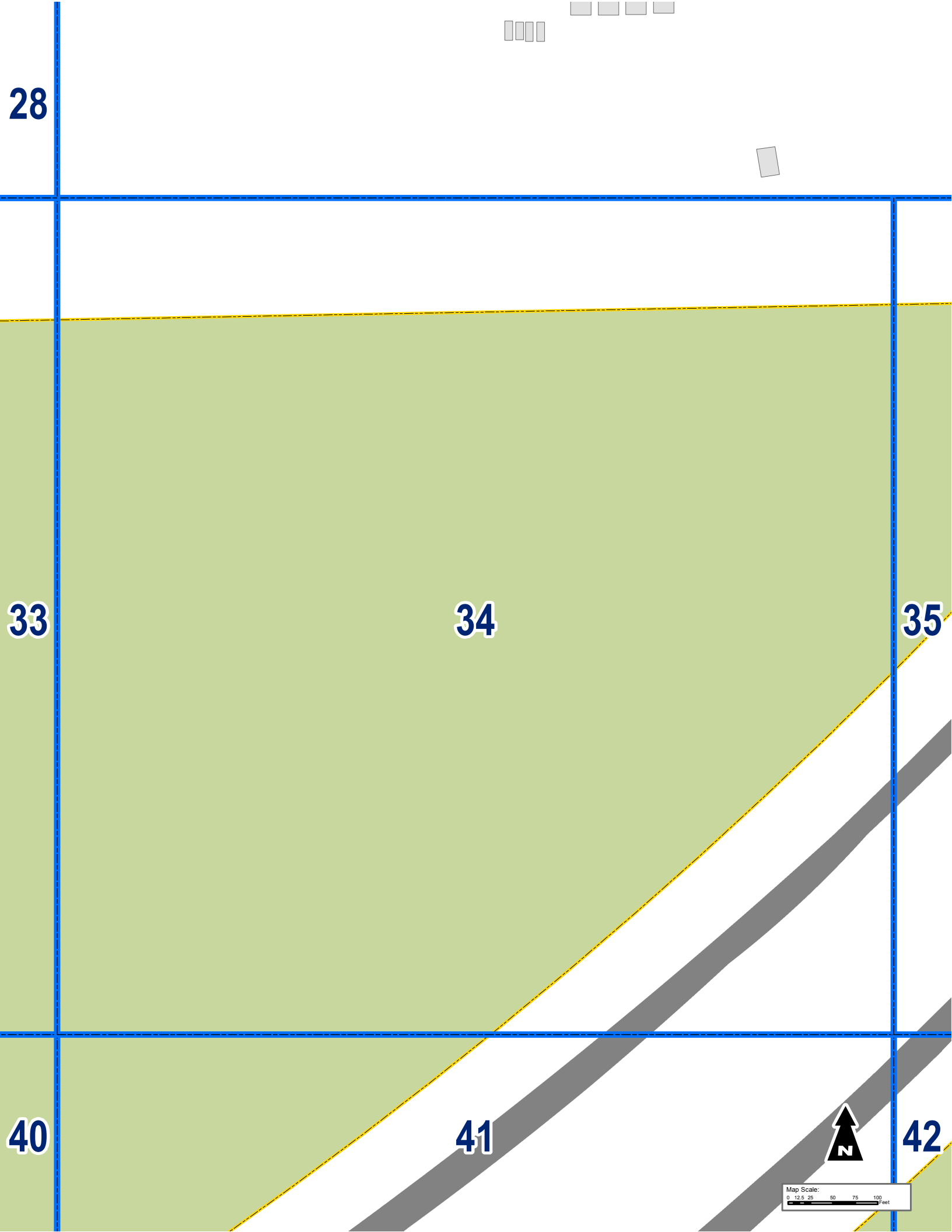
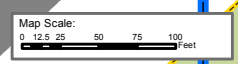
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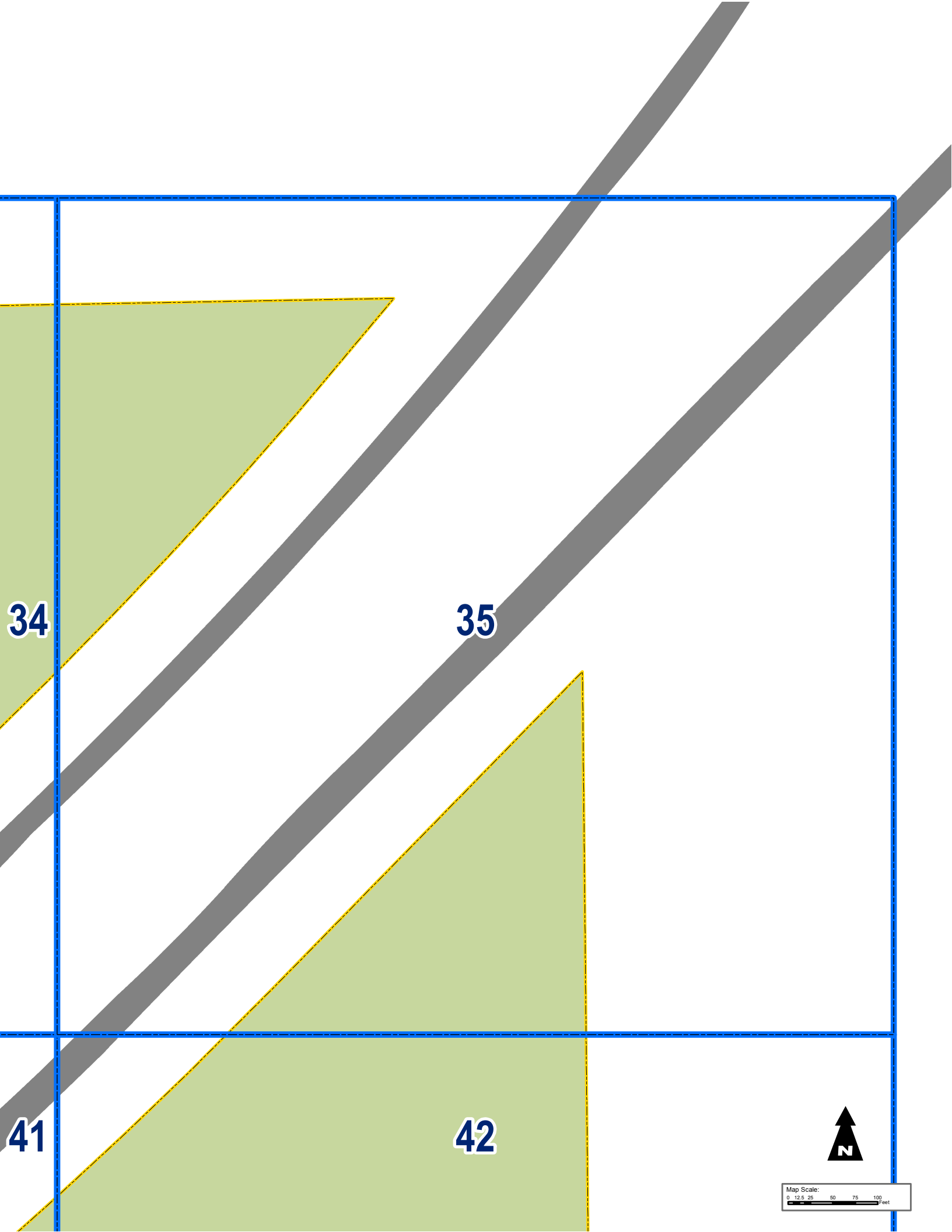
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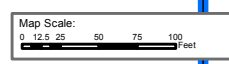


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41

42



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P62B

37

I-17SB
TO I-40WB

36

I-17NB TO I-40WB

43



Map Scale:
0 12.5 25 50 75 100 Feet

I-17
WB

29

30

31

USFS

P46

82B

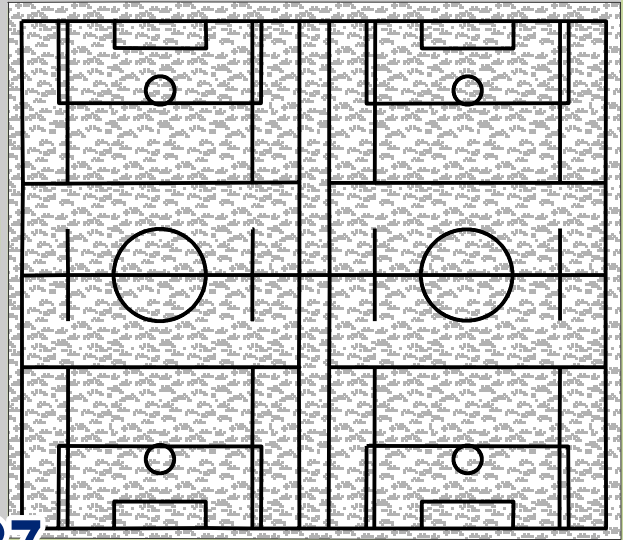
E. PINE KNOLL DR.

S. RUFFER

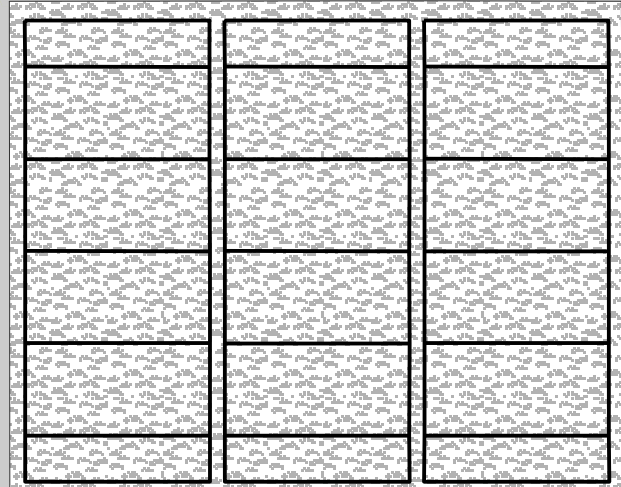
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85

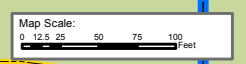


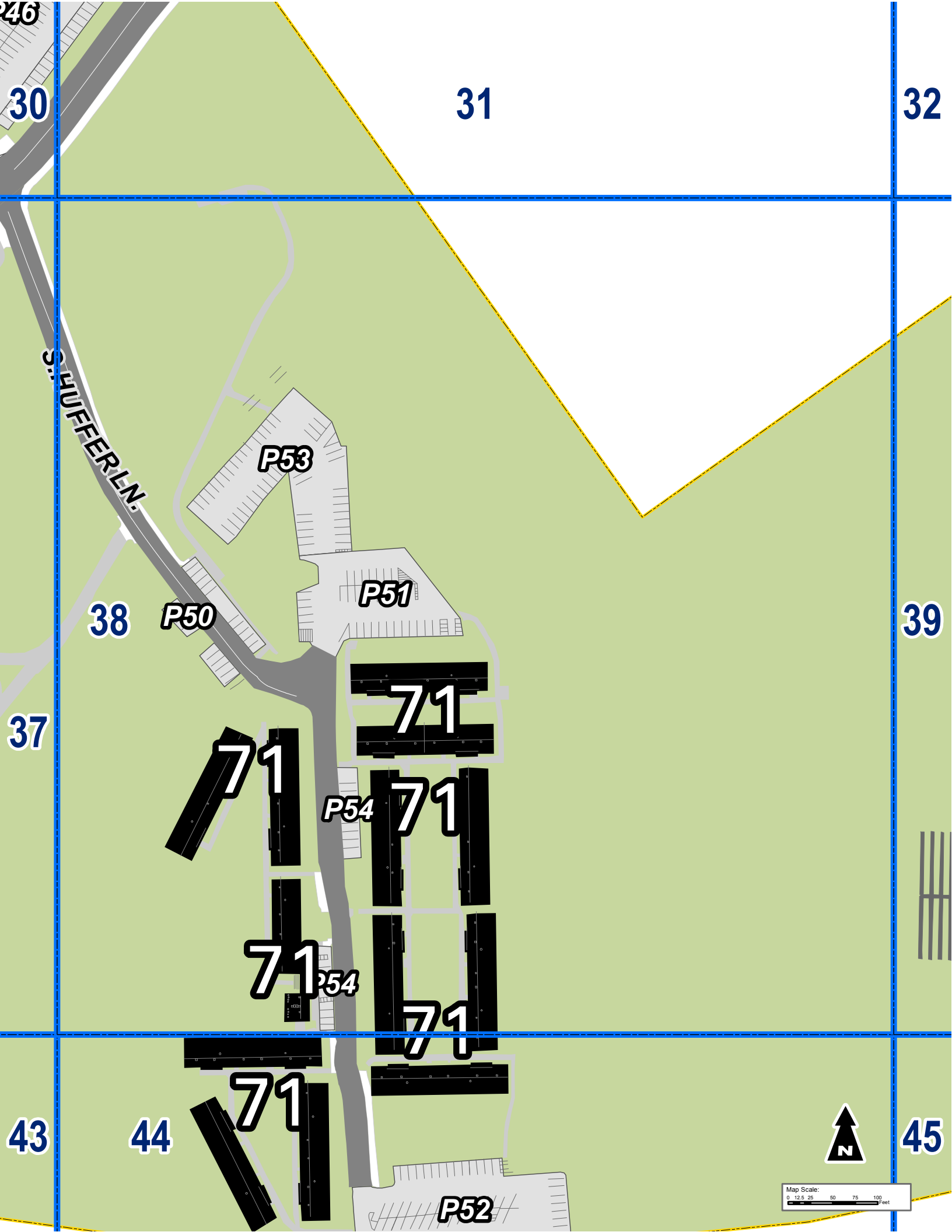
43



44

I-40W





46

30

31

32

SUFFERLN

P53

P51

38

P50

39

37

71

71

P54

71

71

P54

71

43

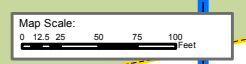
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71

71



45



P52

31

32

77A

77

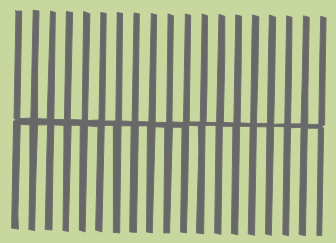
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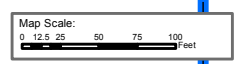


44

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46



77A

80A

32

33

34

39

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41

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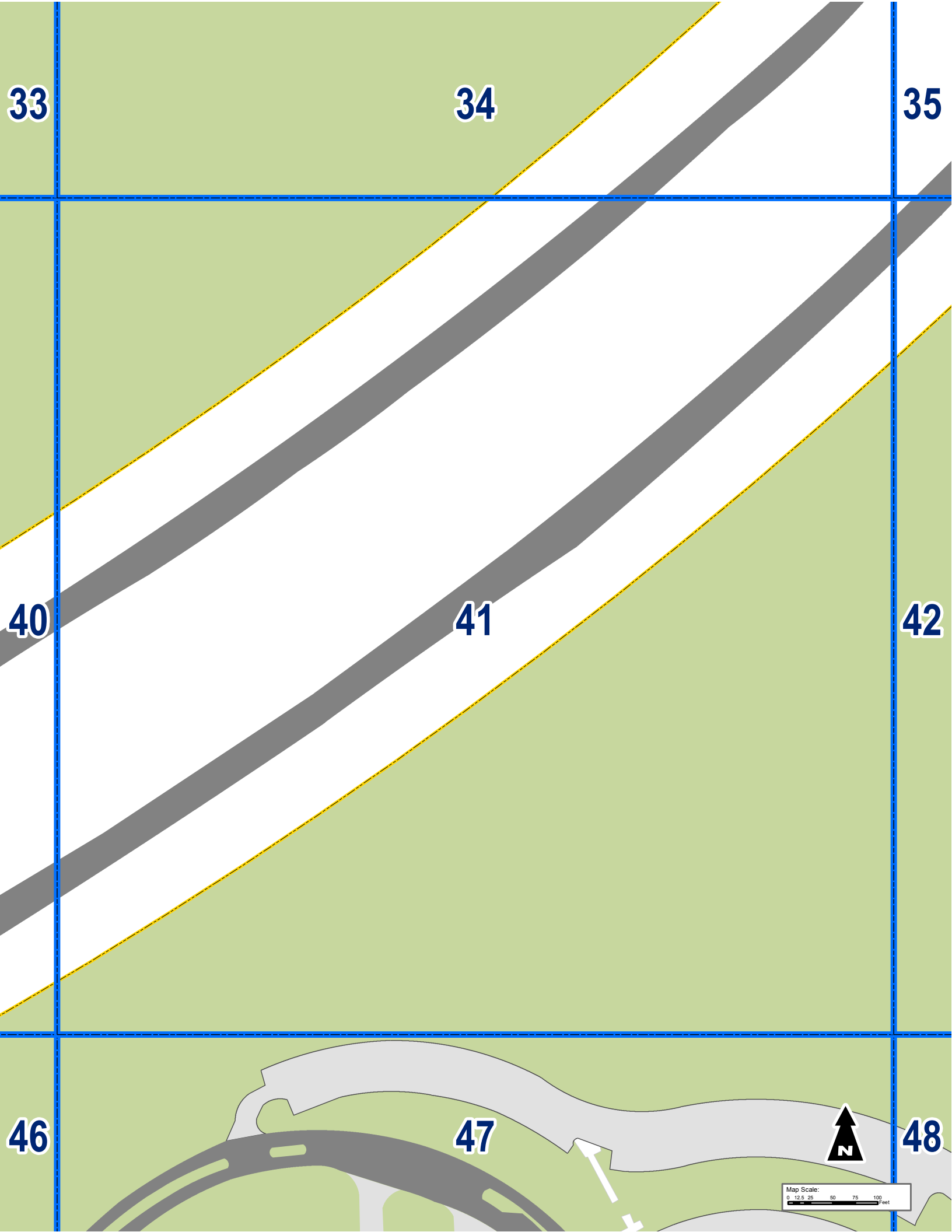
46

47

S. LONE TREE RD.



Map Scale:
0 12.5 25 50 75 100 Feet



34

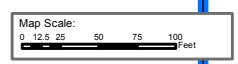
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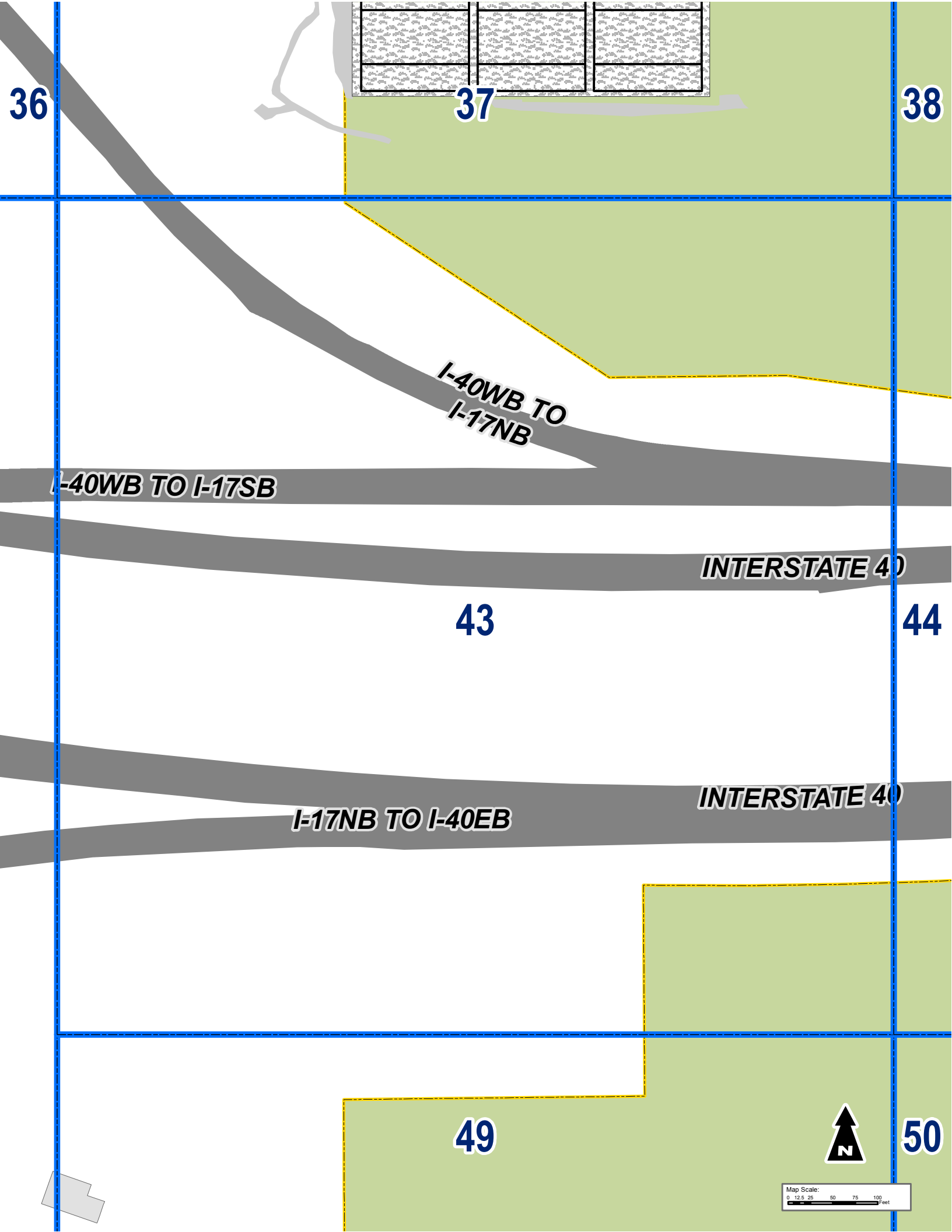
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*I-40WB TO
I-17NB*

I-40WB TO I-17SB

INTERSTATE 40

43

44

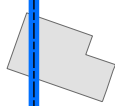
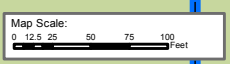
I-17NB TO I-40EB

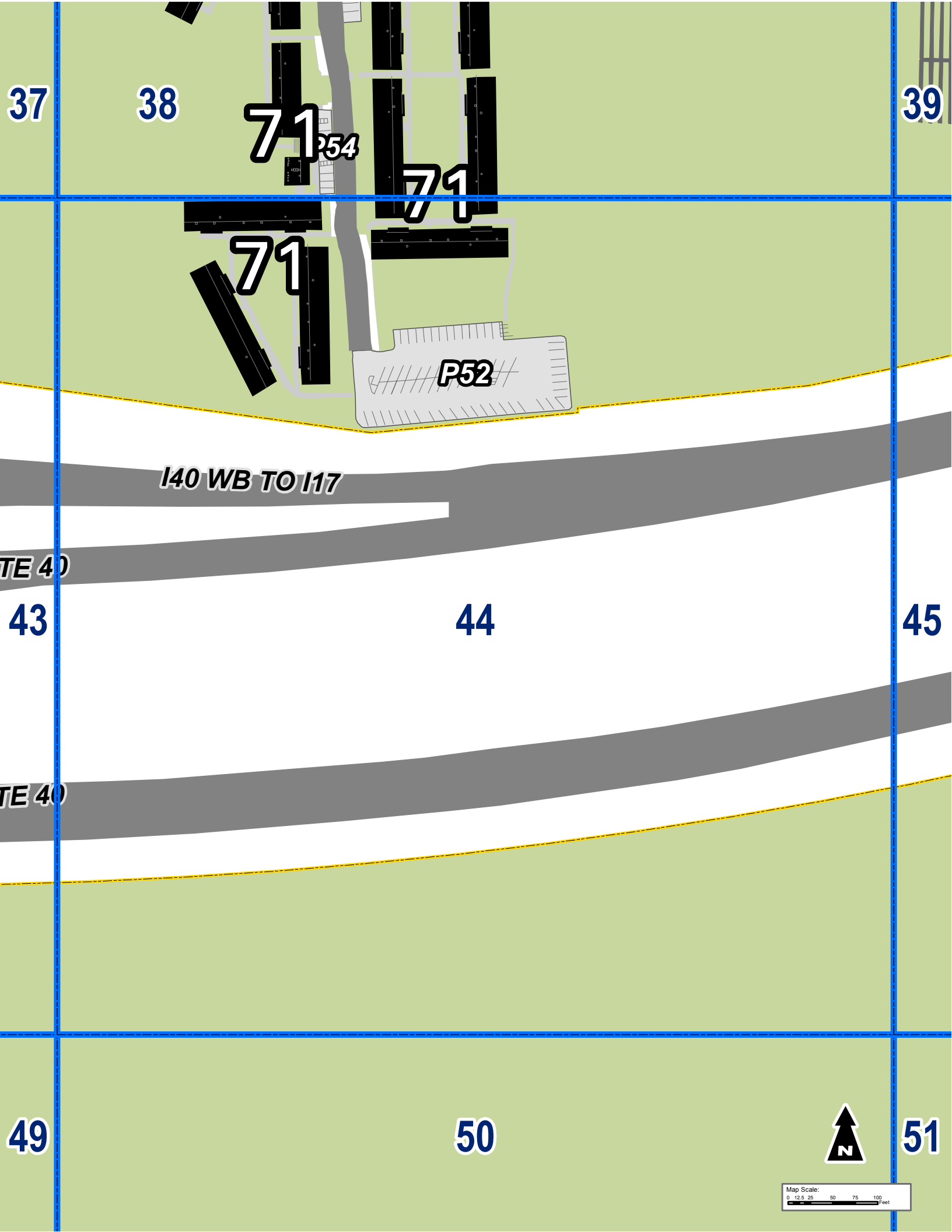
INTERSTATE 40

49



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37

38

39

71 P54

71

71

P52

I40 WB TO I17

STATE 40

43

44

45

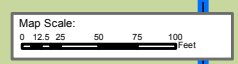
STATE 40

49

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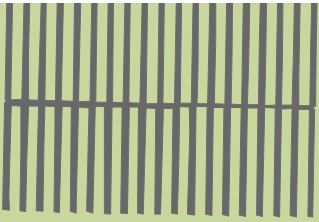
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