PM-10 CERTIFIED STREET SWEEPER APPLICATION #2
CMAQ Funding Available for Federal Fiscal Year 2014

General Instructions:
This form is to be used to request federal Congestion Mitigation and Air Quality (CMAQ) funding available through the Maricopa Association of Governments (MAG) for PM-10 certified street sweepers. Available funding region wide is estimated at $900,000 in FY 2014 CMAQ.

This application form includes: Part A - Contact Information, Part B - Cost and Funding Information, Part C - Methodology, Part D - Supplemental Information, Part E - Signature, and Part F - Checklist (These 6 parts are in one tab). Separate tabs are provided for the Transmittal Instructions and the Schedule, Attachment 1 - list of eligible street sweepers for CMAQ reimbursement, and Attachment 2 - list of example equipment not eligible for CMAQ reimbursement. Alternative application forms are available upon request.

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Two copies of a printed, complete and signed application must be received in the MAG offices by **10:00 a.m. Friday, November 22, 2013.**. The application is also to be submitted electronically. Detailed transmittal instructions are located in the excel tab - Transmittal Inst. and Schedule.

If member agencies need additional information or have questions, they should contact Dean Giles, Teri Kennedy, or Stephen Tate at

mailto:dgiles@azmag.gov
mailto:tkennedy@azmag.gov
mailto:state@azmag.gov

All information is required.

PART A - CONTACT INFORMATION

Contact Information

1. Agency Name (Please select one)	Surprise
2. Name:	Antonio DeLaCruz
3. Phone:	623-222-6227
4. E-Mail:	antonio.delacruz@surprisaz.gov
5. Mailing Address:	16000 N Civic Center Plaza, Surprise AZ 85374-7470

PART B - FUNDING INFORMATION

6. Please attach a detailed price summary for the proposed equipment from the vendor. Additional costs for optional equipment beyond the specifications necessary for compliance with Rule 1186-certification are not eligible for reimbursement	Please attach the detailed price summary when submitting and transmitting application. ATTACHED
7. Funding Information	**Amount**
(a) Total Cost of Sweeper	**$202,747**
(b) Total Cost Eligible for Reimbursement (See Attachment 1 for list of Rule 1186 Sweepers)	**$202,747**
(c) Costs not eligible for reimbursement. The Local Agency is responsible for these costs. = 7a - 7b (See Attachment 2 for list of example ineligible equipment for CMAQ reimbursement)	

8. Reimbursement Information	Amount	Funding Type	Share of Eligible Cost (See #7)
(a) Federal Share of Total Cost Eligible for Reimbursement (Cannot be more than 94.3% of Total Eligible Cost for Reimbursement as listed in 7b) = 7b * 94.3%	**$191,190**	**CMAQ**	**94.3%**
(b) Local Share of Total Cost Eligible for Reimbursement (Cannot be less than 5.7% of Total Cost Eligible for Reimbursement as listed in #7b) = 7b *5.7%	**$11,557**	**Local**	**5.70%**

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9. Project Funding Based on Information from #7 & #8	Federal Share = 8a	Local Share = 7c + 8b	Total Cost of Sweeper
	$191,190	$11,557	$202,747

PART C: METHODOLOGY INFORMATION

Information in Part C is used to calculate a CMAQ cost effectiveness score for the requested street sweeper.

10. The requested PM-10 certified street sweeper will (Select Yes or No for all that apply):	
(a) Replace a noncertified street sweeper	NO
(b) Expand service area	NO
(c) Increase sweeping frequency	NO
(d) Replace an older certified street sweeper **(The older certified sweeper being replaced should be at least 8 years old)**	**Yes**

11. For the requested sweeper, please provide the information for roadway types in the table below for:	Arterial Street	Collector Street	Residential Street	Other
(a) Sweeping cycle length (measured in days between sweepings)	20	20	20	
(b) Lane miles to be swept per cycle	72	144	504	
(c) Average weekday traffic per lane being swept	6000	840	200	
(d) If values were entered in the "Other" column, please specify what "Other" means:				

12. **If "expand service area" was "yes" in question #10**, please provide the following information for the roadway types in the table below:	Arterial Street	Collector Street	Residential Street	Other
- Previously unswept lane miles to be swept by the new sweeper:	0	0	0	
If values were entered in the "Other" column, please specify what "Other" means:				

13. **If "increase sweeping frequency" was "yes" in question #10**, please provide the following information for the roadway types in the table below:	Arterial Street	Collector Street	Residential Street	Other
- Previous cycle length (measured in days between sweepings):	0	0	0	

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mailto:tkennedy@azmag.gov
mailto:state@azmag.gov

All information is required.

If values were entered in the "Other" column, please specify what "Other" means:	
14. **If "replace an older PM-10 certified street sweeper" was "yes" in question #10**, please provide information in the following	
(a) Number of hours in service of the sweeper that is being replaced	12,480
(b) The month and year that the older certified sweeper was put into service (e.g. 4/2001)	Jul-04
(c) An estimate of the percent of time the older sweeper was out of service in the past year due to repairs and maintenance issues	40%
(d) Please explain why the older sweeper was out of service.	The sweeper is over eight years and has extensive Mechcanical problems
15. Will the requested certified street sweeper be used to sweep streets within 4 miles of a PM-10 monitor? If yes, please specify which monitor. Link to MAG webpage for PM-10 Map	Yes, monitor #2 Dysart
Part D - SUPPLEMENTAL INFORMATION:	
16. Have local resources been committed for additional staff or equipment to support the PM-10 certified street sweeper? (Please select Yes or No)	Yes
If yes, please provide details (e.g., number, type and cost of employees, equipment, and maintenance).	Funds to meet city contribution of 5.7%
17. Please indicate in what geographical area(s) the requested certified street sweeper will operate (e.g., Glendale Ave. to Thomas Rd.; 19th Ave. to Central Ave).	All Sweeper are use city wide - each will have a separate route each day - City map attached tab 3
18. Provide a map of the area to be swept by the proposed sweeper.	Please attach a PDF when submitting and transmitting application.

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mailto:tkennedy@azmag.gov
mailto:state@azmag.gov

All information is required.

19. Please indicate if your agency would be willing to provide MAG with additional information on the requested PM-10 certified street sweeper. (Please select Yes or No)	Yes	
20. Please indicate the total number of sweepers currently owned and operated by your agency for sweeping streets:		
(a) PM-10 certified:	8	
(b) Noncertified:	0	

PART E - SIGNATURE PAGE

As the jurisdiction's manager/administrator or designated representative, I certify that the information contained in this application is accurate and complete and that the local funds for this project will be included in the sponsoring MAG member agency's local current CIP/TIP or budget document if the project is selected for federal funding.

Signature:

Name: Antonio DeLaCruz

Title: Manager - Streets

Date: 10/29/13

PART F - CHECK LIST (OPTIONAL)

This check list is optional, but is included to facilitate applicant review and verification that all required fields in the form have been completed

Part A - Fields 1- 5 are complete	No	
Part B - Fields 6-9 are complete	No	
Part C - Fields 10-14 are complete	No	
Part D - Fields 15-21 are complete	No	

TRANSMITTAL INSTRUCTIONS and SCHEDULE

The due date and time for project applications to be submitted to MAG is Friday, November 22, 2013 by 10:00 a.m.

Member agencies are to:

1) Transmit the application and all attachments electronically, and

To transmit the application electronically, please save the excel file, and then send the application and all attachments to Teri Kennedy, Transportation Programming Manager. Please send graphic attachments in PDF form. Click cell below to send e-mail.

mailto: dgiles@azmag.gov

2) Submit two printed, signed, and complete applications to MAG.

To submit two printed, signed, and complete applications to MAG, the applicant can mail **(at MAG offices by Friday, November 22, 2013 by 10:00 a.m.** or drop off application to:

Maricopa Association of Governments
ATTN: Teri Kennedy,
302 N. 1st Avenue, Suite #300,
Phoenix, AZ 85003.

Or, the applicant can scan a printed and signed application and transmit it via e-mail or fax to: tkennedy@azmag.gov or 602.254.6300 by Friday, November 22, 2013 by 10:00 a.m. If the applicant is transmitting a scanned, printed, and signed application via e-mail or fax, the applicant will mail or drop off the original printed application by Friday, November 22, 2013 by 10:00 a.m.

Application Workshops and Open Working Group Meeting Schedule*	
Tuesday, November 5th, 2013 from 2:00-3:00 PM	Workshop on MAG Transportation Federal Fund Project Applications

* All meetings will be held on the 2nd Floor of the MAG Offices at 302 North 1st Ave, Suite 300, Phoenix, Arizona 85003

ATTACHMENT 2

EXAMPLES OF ADDITIONAL STREET SWEEPER EQUIPMENT NOT ELIGIBLE FOR REIMBURSEMENT

1. Automatic lubrication system (grease jockey system)
2. Camera/monitor
3. Hopper access step
4. Drag shoe carbide
5. Hydrant hopper wash down system
6. Conveyer flush kit with hydrant
7. 1000 pounds per square inch (PSI) wand
8. Dual HiBack air-suspended seats
9. Hand hose

BALAR EQUIPMENT
11023 N. 22ND AVE.
P.O. BOX 83118
PHOENIX, AZ 85029

Voice: 602-944-1933
Fax: 602-944-9687

QU
Quote N
Quote D
Page:

Quoted To:
CITY OF SURPRISE ACCOUNTS PAYABLE 16000 N. CIVIC CENTER PLAZA SURPRISE, AZ 85374

Customer ID	Good Thru	Payment Terms
SURPRISE	12/11/13	Net 10 Days

Quantity	Item	Description
		PER ATTACHED SCHWARZE
		ELECTRONIC BUILD SHEET
1.00	SCH-A-7 TORNADO	SCHWARZE A-7 TORNADO
		HGAC FEE

Su
Sa
Fr
To

JOTATION

lumber: 1113208
)ate: Nov 11, 2013
1

Sales Rep
JB

Unit Price	Amount
180,348.00	180,348.00
	2,705.22
ubtota:	183,053.22
ales Tax	15,193.42
eight	4,500.00
OTAL	202,746.64

Dixeleta Dr
29800N

Patton Rd
28200N

Jomax Rd
26600N

Happy Valley Rd
25000N

Pinnacle Peak Rd
23400N

Deer Valley Rd
21800N

Beardsley Rd
20200N

Sun Valley
Parkway

Union Hills Dr
18600N

Bell Rd
17000N

Greenway Rd
15400N

Waddell Rd
13800N

Cactus Rd
12200N

Peoria Ave
10600N

R3W R2W

T5N T4N

T4N T3N

235th Ave 23500W

227th Ave 22700W

219th Ave/Crosier Rd 21900W

211th Ave 21100W

203rd Ave 20300W

195th Ave 19500W

151st Ave 15100W

143rd Ave 14300W

Dixeleta Dr
29800N

Dynamite Blvd
28200N

Jomax Rd
26600N

Happy Valley Rd
25000N

Pinnacle Peak Rd
23400N

Deer Valley Rd
21800N

Beardsley Rd
20200N

T5N T4N

R3W R2W

R2W R1W

Grand Ave

Perryville Rd 18700W

Citrus Rd 17900W

Cotton Ln 17100W

Estrella Fwy (SR 303)

Sarival Ave 16300W

Reems Rd 15500W

Bullard Ave 14700W

Litchfield Rd 13900W

Dysart Rd 13100W

El Mirage Rd 12300W

115th Ave 11500W

Thunderbird Rd
13800N

T4N T3N

R1W R1E

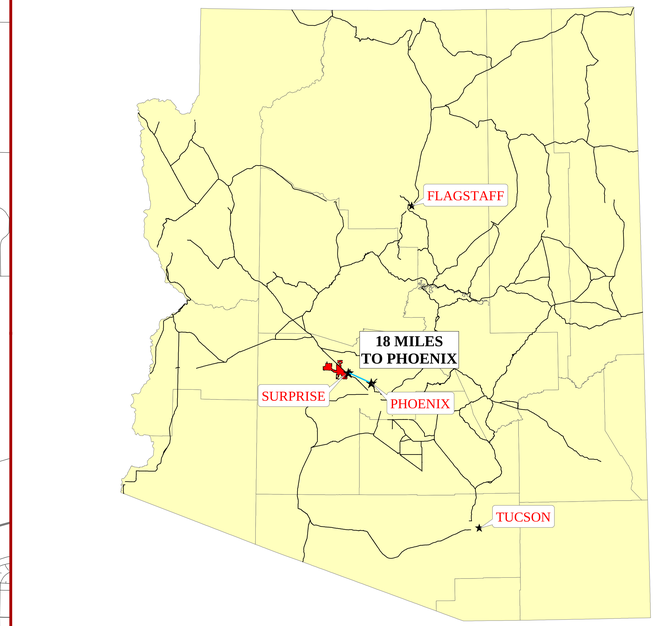
Public Works Yard

Surprise Center

Recreational Campus

City Hall

Community Initatives, Teen Center, Parks & Rec, Villanueva Center, Fire Station 1, and City Court



SURPRISE
ARIZONA

FY 2004

CITY OF SURPRISE
12425 W. BELL ROAD
SURPRISE, AZ 85374
623.583.4840
623.583.3858 FAX
www.surpriseaz.com

INCORPORATED: 1960
ELEVATION: 1,130 FEET
COUNTY: MARICOPA
AREA: 72 SQUARE MILES
POPULATION: 45,000 ESTIMATED

SURPRISE CITY COUNCIL 623.583.5899

JOAN SHAFER, MAYOR
DON COX, VICE MAYOR (DISTRICT 1)
MARTHA BAILS (DISTRICT 2)
GARY "DOC" SULLIVAN (DISTRICT 3)
DANNY ARISMENDEZ (DISTRICT 4)
ROBERT VUKANOVICH (DISTRICT 5)
THOMAS ALLEN (DISTRICT 6)

INTERIM CITY MANAGER 623.875.4242
JAMES RUMPELTES

Map Legend

- Key Buildings
- Church
- Fire Station
- Hospital
- Municipal Building
- Museum
- Park
- Post Office
- School
- Surprise Corporate Limits

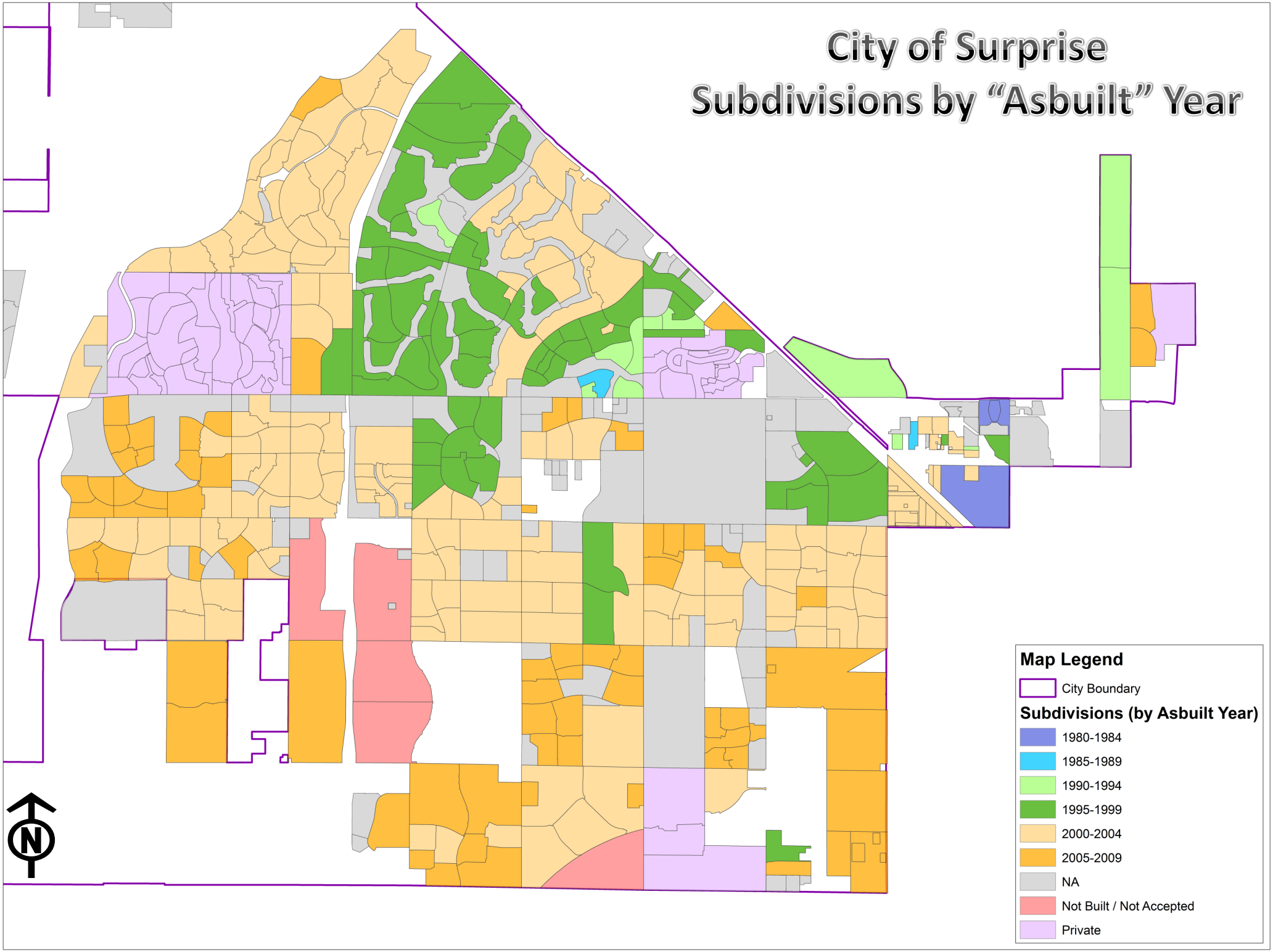
N

1 0.5 0 1 Miles

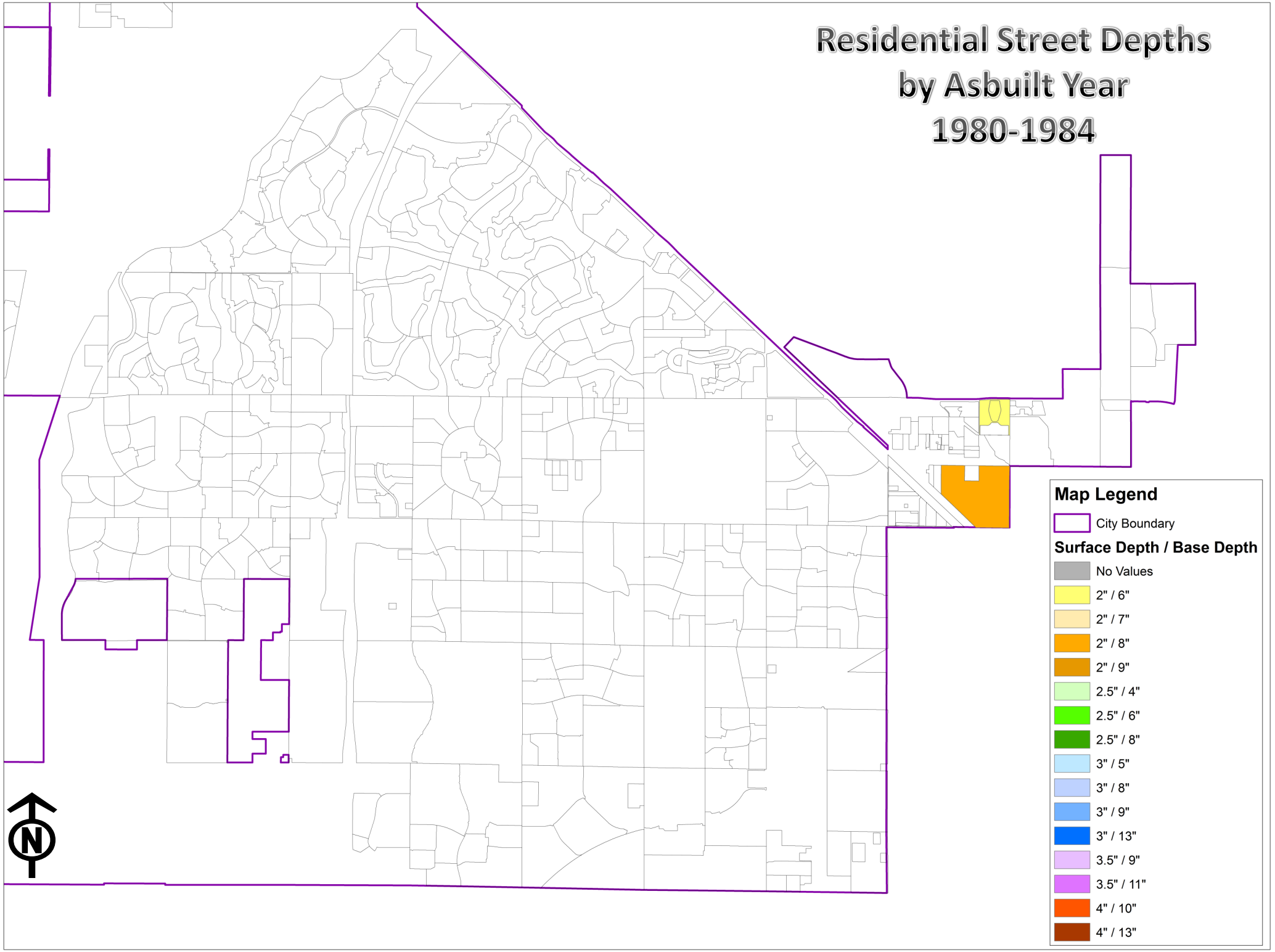
1 inch equals 2,002 feet

PLOT DATE:01 JULY 03

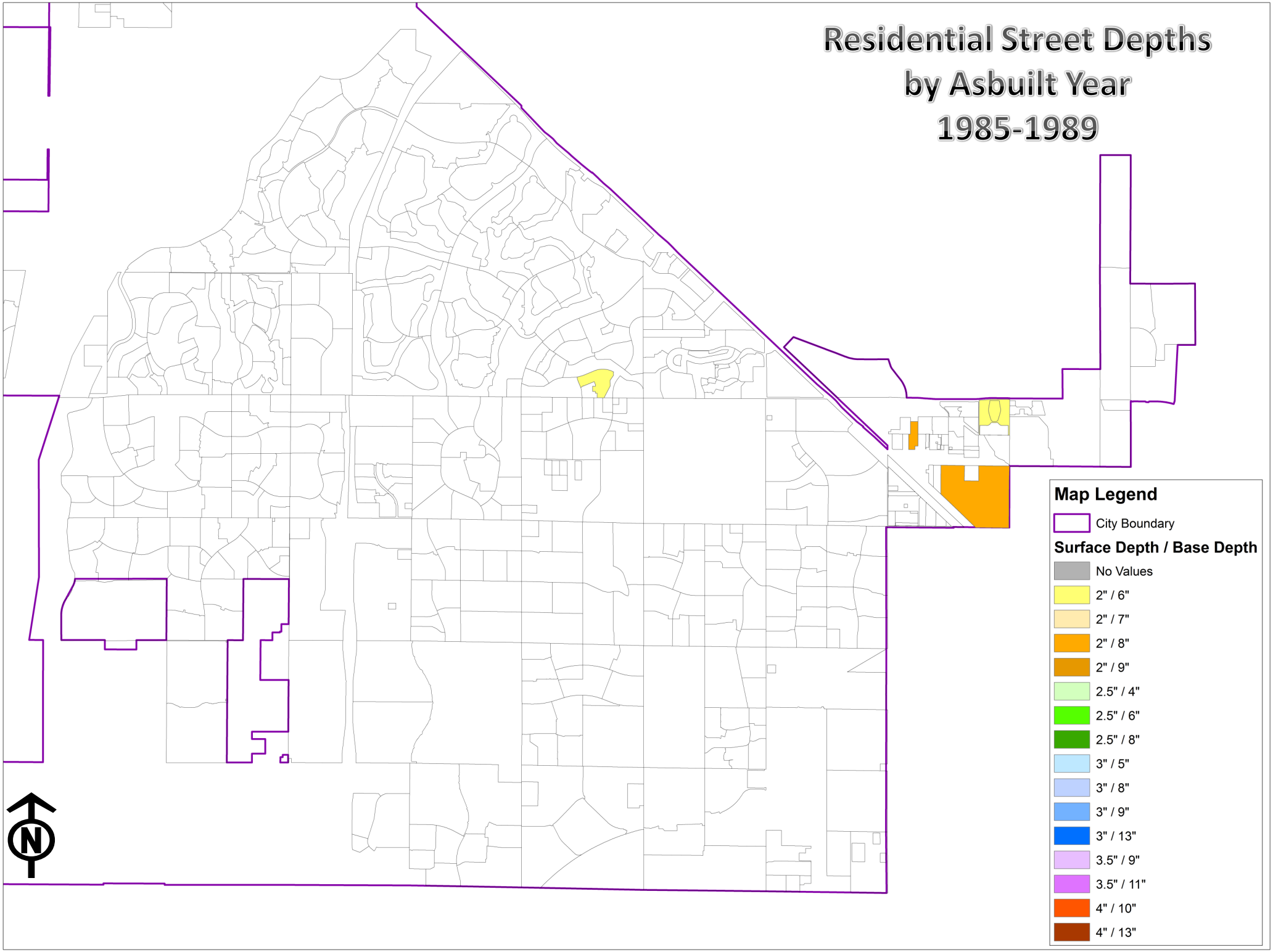
City of Surprise
Subdivisions by "Asbuilt" Year



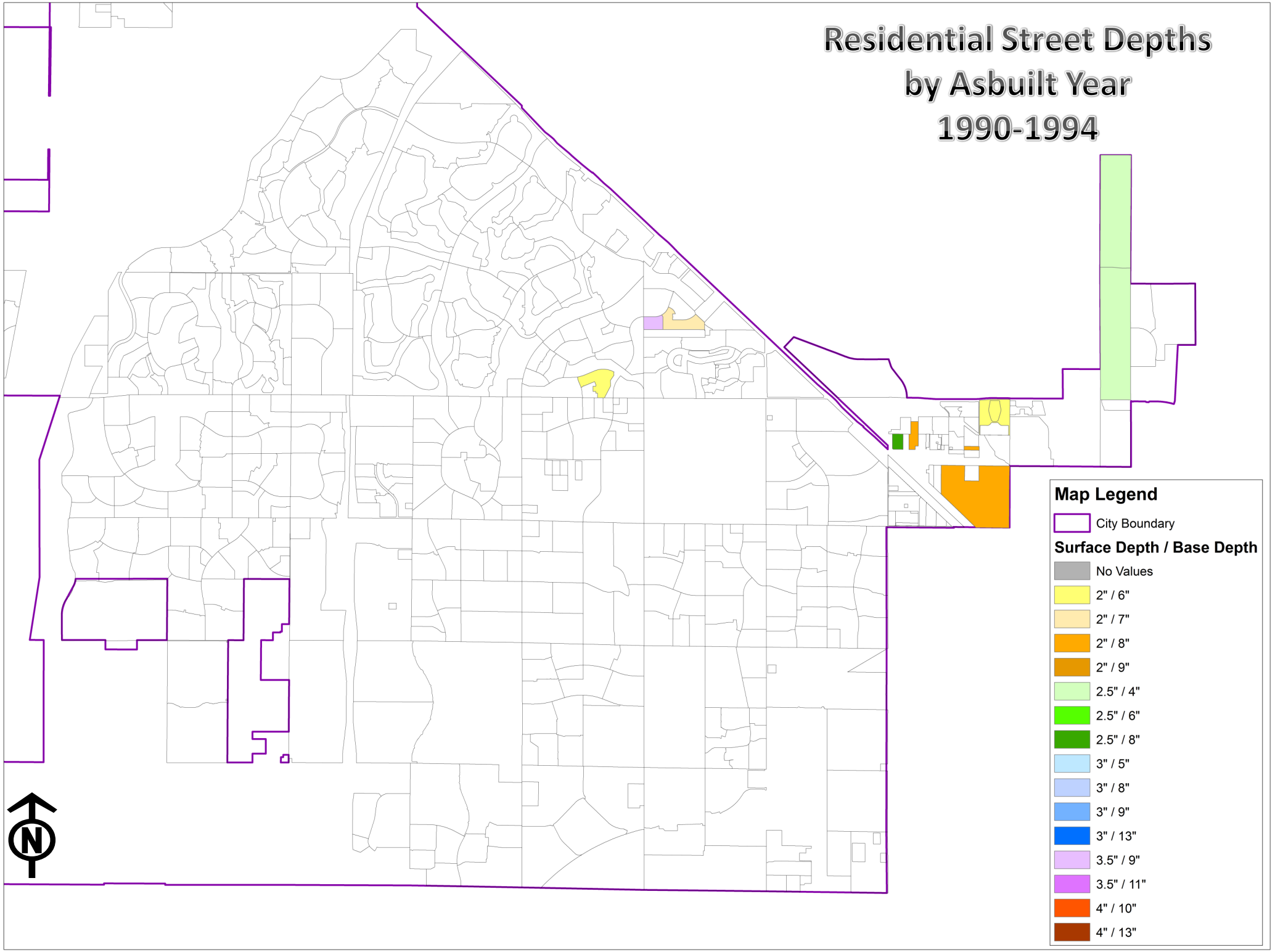
Residential Street Depths by Asbuilt Year 1980-1984



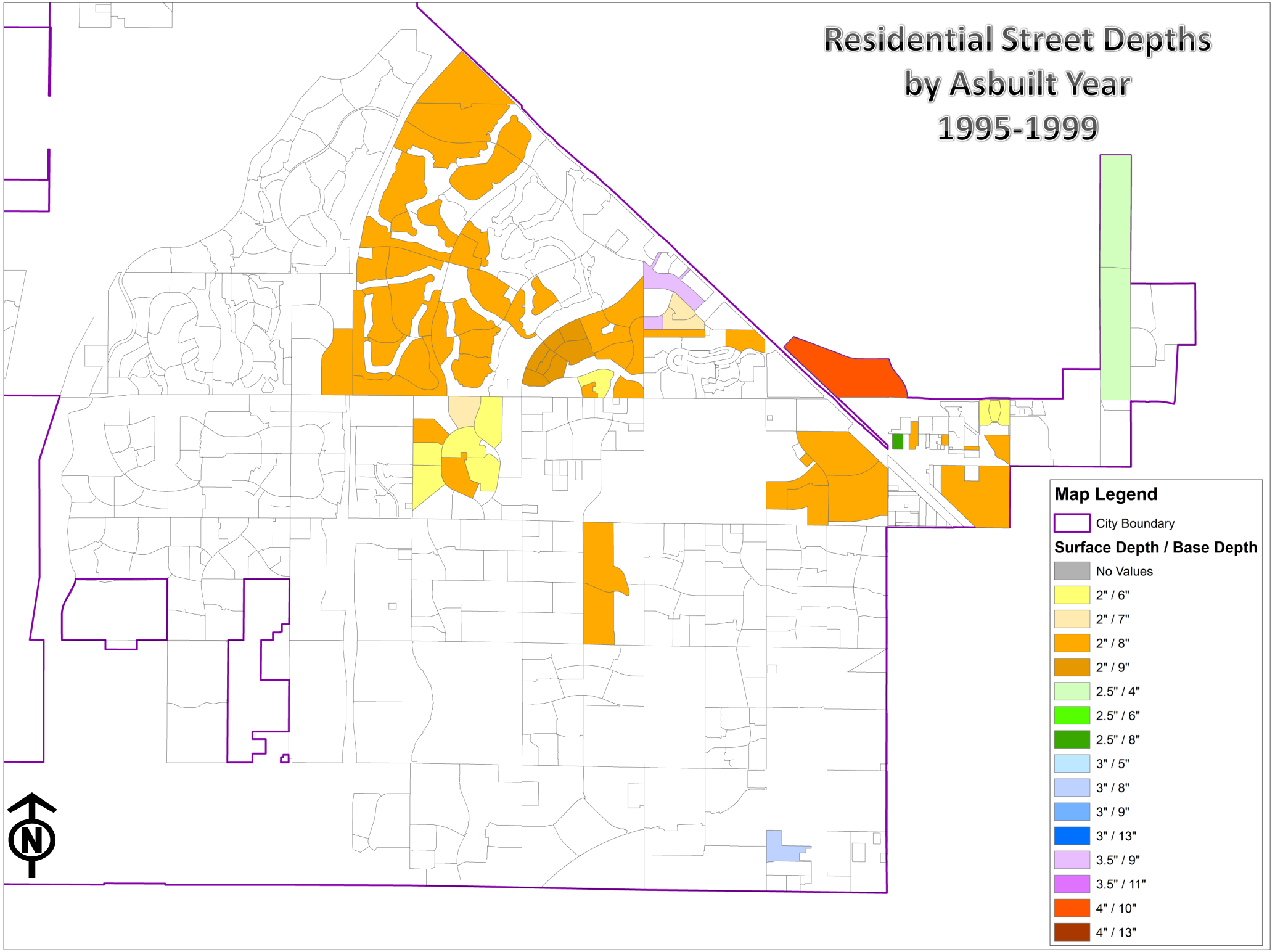
Residential Street Depths by Asbuilt Year 1985-1989



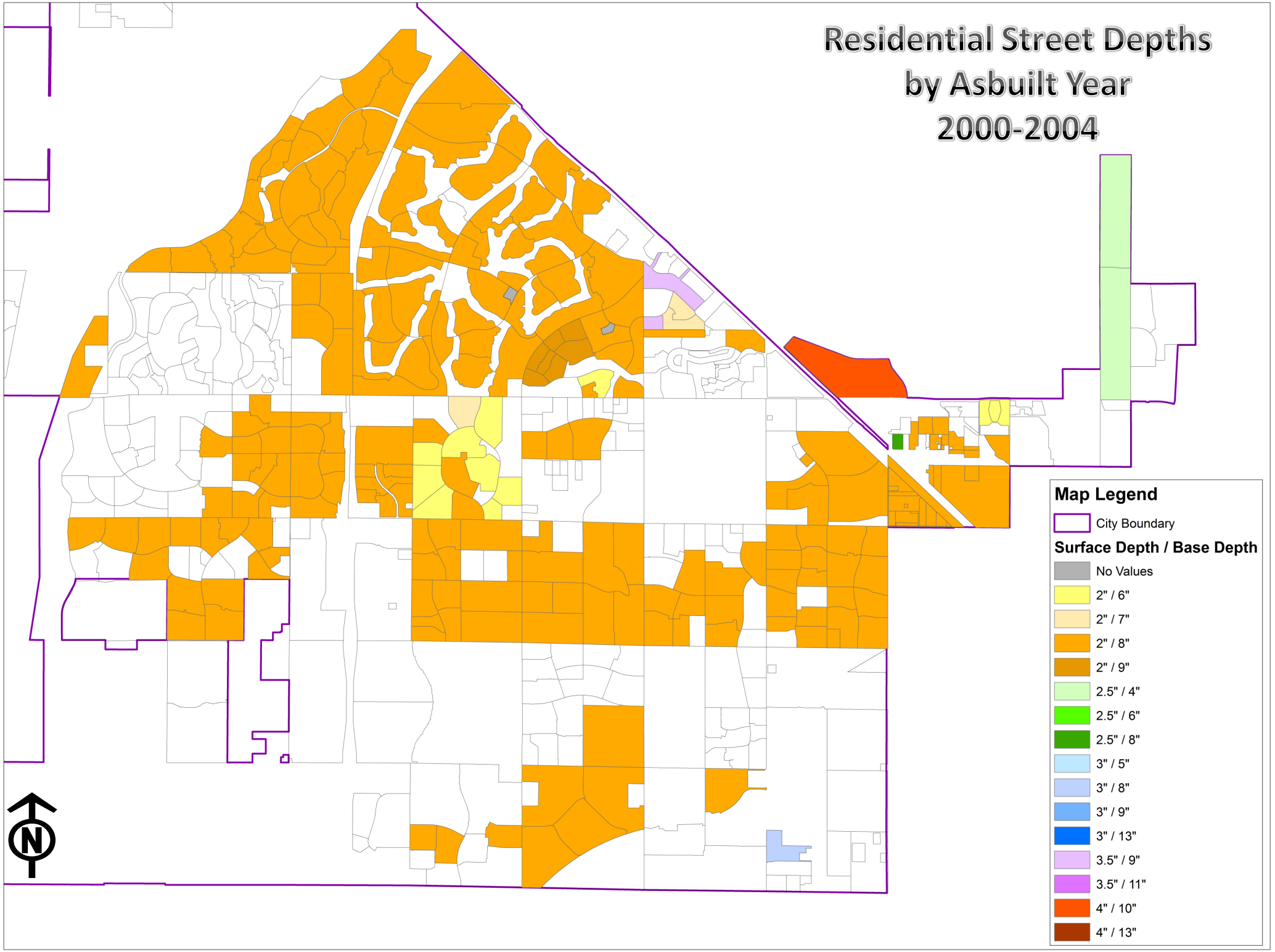
Residential Street Depths by Asbuilt Year 1990-1994



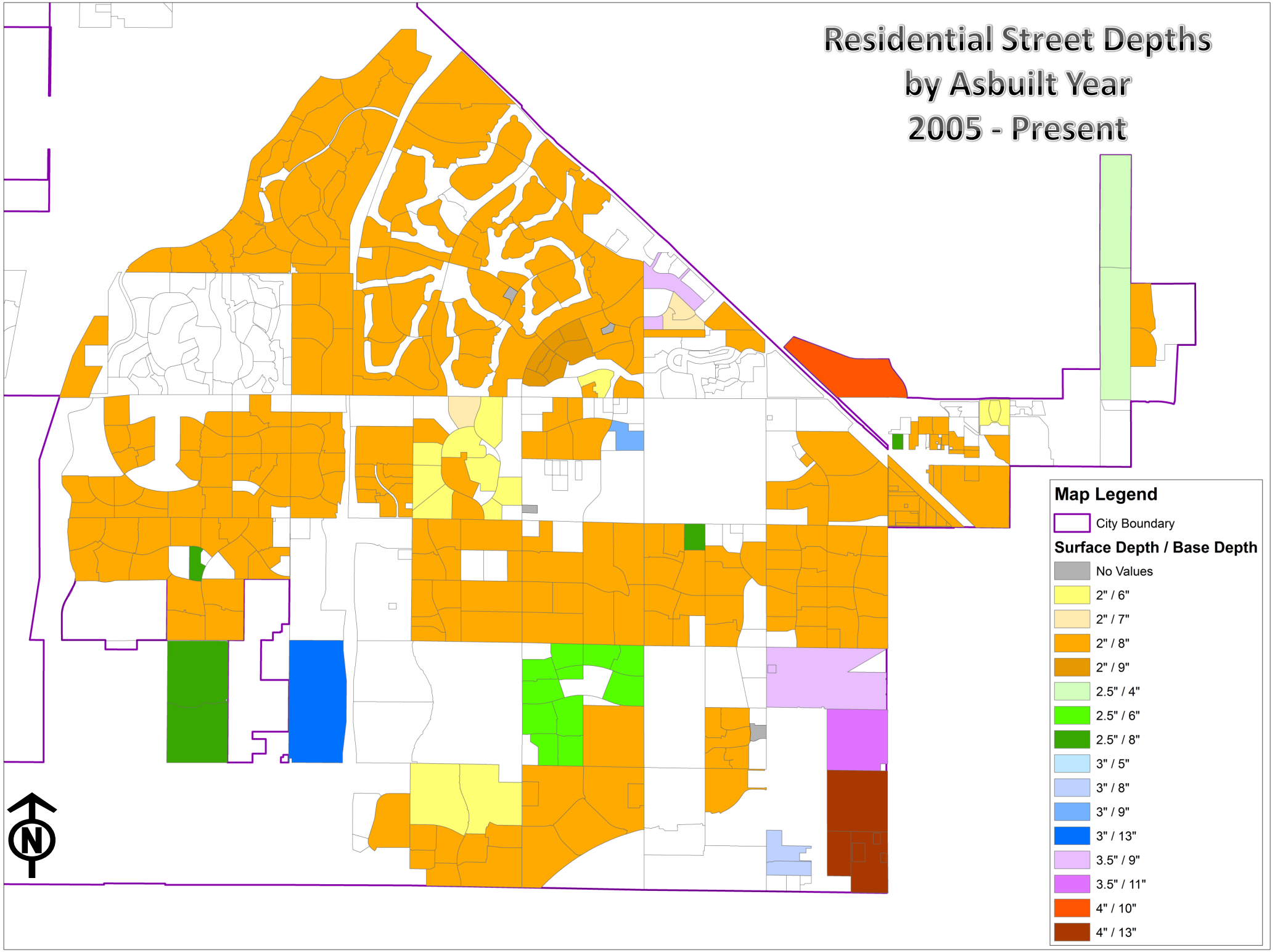
Residential Street Depths by Asbuilt Year 1995-1999



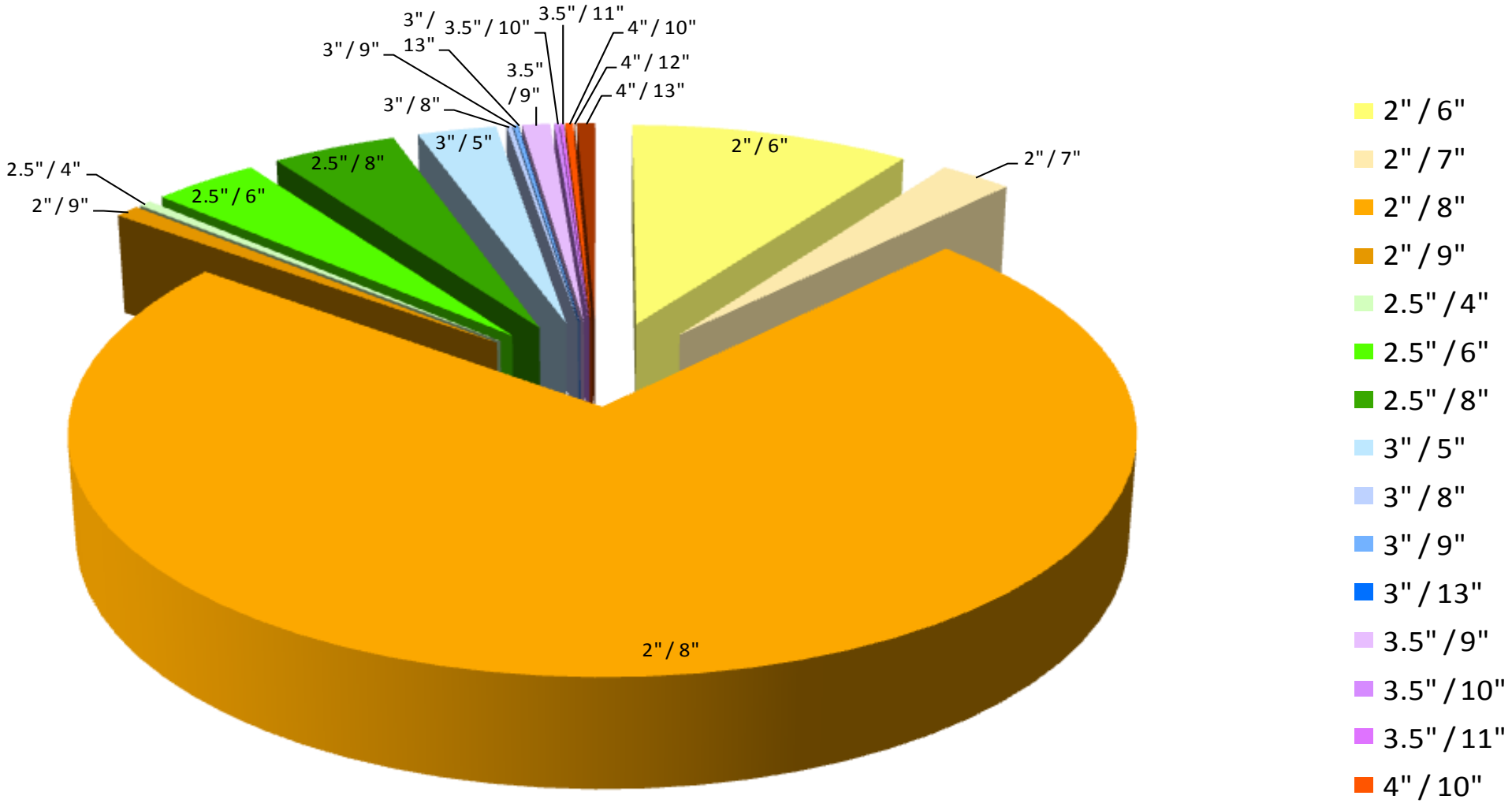
Residential Street Depths by Asbuilt Year 2000-2004



Residential Street Depths by Asbuilt Year 2005 - Present



Residential Street Depth - Overall Centerline Mileages



Depth	Miles
2" / 6"	40.35
2" / 7"	10.48
2" / 8"	300.65
2" / 9"	3.59
2.5" / 4"	1.82

Depth	Miles
2.5" / 6"	15.33
2.5" / 8"	17.99
3" / 5"	11.36
3" / 8"	0.76
3" / 9"	0.69

Depth	Miles
3" / 13"	0.00
3.5" / 9"	4.04
3.5" / 10"	0.67
3.5" / 11"	0.52
4" / 10"	1.15

Depth	Miles
4" / 12"	0.05
4" / 13"	2.64