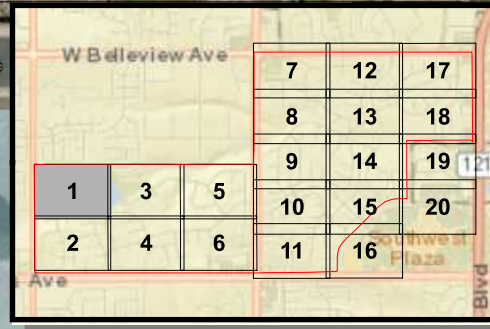


APPENDIX A – EXISTING SYSTEM MAPS





		7	12	17	
		8	13	18	
		9	14	19	
1	3	5	10	15	20
2	4	6	11	16	

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SANITARY SEWER COLLECTION SYSTEM
EXISTING CONDITIONS

No.	Description of Revisions	Date	Name

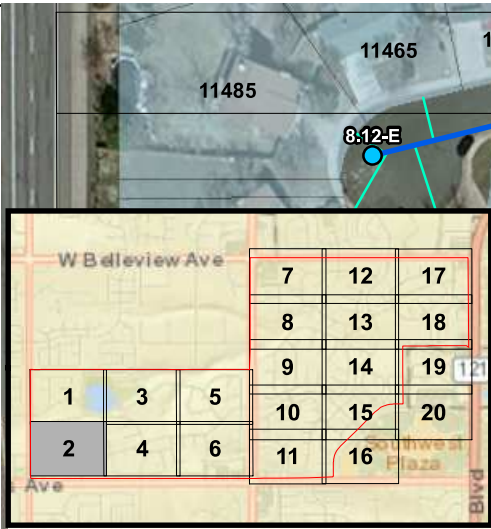
Date: JULY 2016
Job Number: 14.0350
Design By: JWM
Drawn By: JWM
Checked By: JAM

Sheet Number: A-1

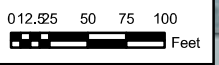
GIS MAP INFORMATION
File Name: Sanitary Sewer_Base.mxd
File Location: G:\Works\14.0350-Southwest Suburban Denver WSD\BASE\GIS

- Manhole Condition**
 - No Defects
 - Infiltration - 1
 - Infiltration - 2
 - Infiltration - 3
 - Infiltration - 4
 - Liner Defect
 - Frame/Ring Defect
 - Buried
 - Lined
- Date Installed/Rehabilitated**
 - 1977 - 1980
 - 1981 - 1985
 - 1986 - 1990
 - 1990 - 2000
 - 2001 - 2016
- Outside the District**
 - Force Mains
 - Gravity Mains
- Service Taps**

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors



VICINITY MAP



Legend

Manhole Condition

- No Defects
- Infiltration - 1
- Infiltration - 2
- Infiltration - 3
- Infiltration - 4
- Liner Defect
- Frame/Ring Defect
- Buried
- Lined

Date Installed/Rehabilitated

- 1977 - 1980
- 1981 - 1985
- 1986 - 1990
- 1990 - 2000
- 2001 - 2016
- Service Taps

Outside the District

- Force Mains
- Gravity Mains



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors

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No.	Description of Revisions	Date	Name

Date: JULY 2016
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Sheet Number:

GIS MAP INFORMATION
File Name: Sanitary Sewer_Base.mxd
File Location: G:\W\14_0350-Southwest Suburban Denver WSD\BASE\GIS\



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SANITARY SEWER COLLECTION SYSTEM
EXISTING CONDITIONS**

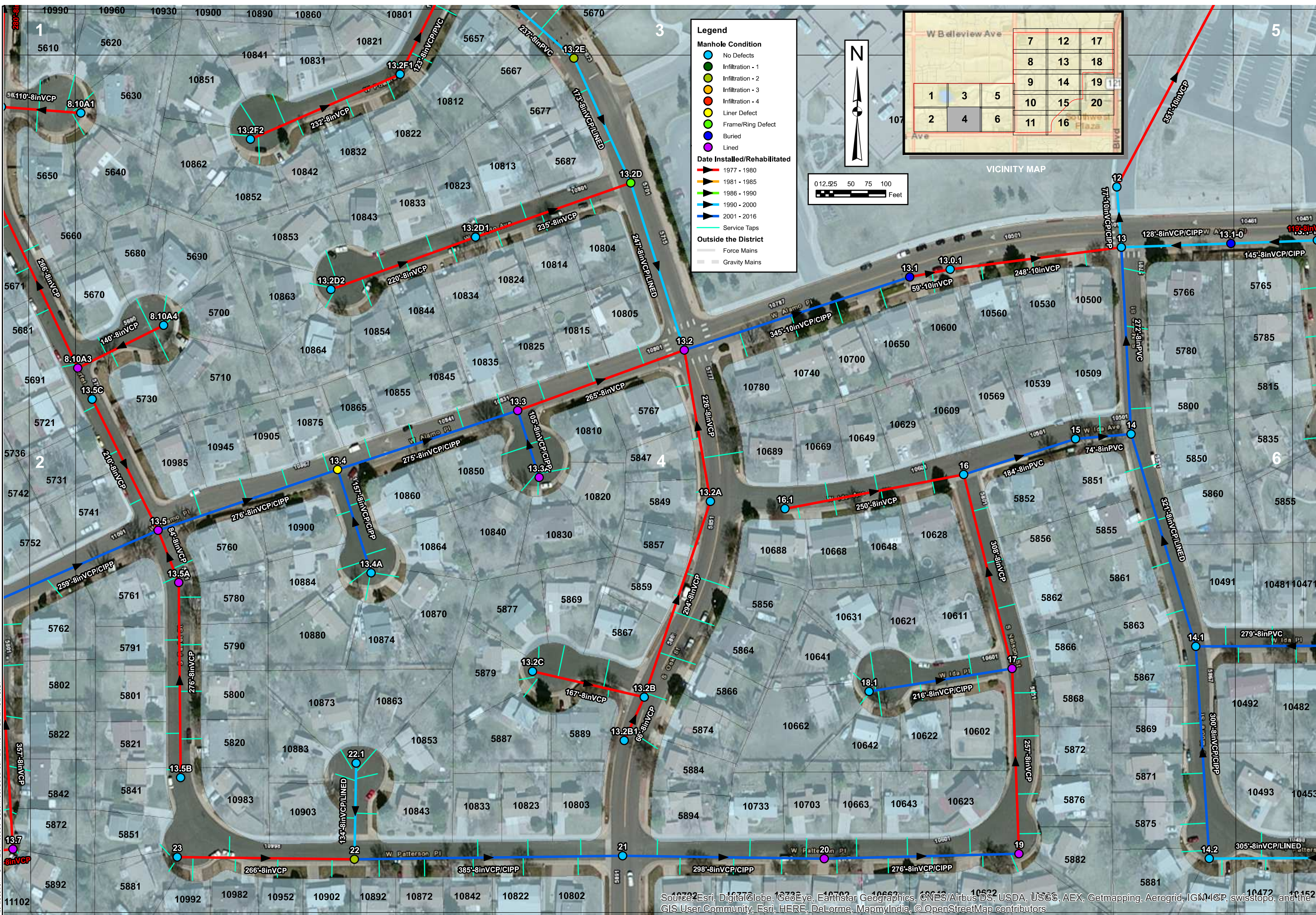
No.	Description of Revisions	Date	Name

Date: JULY 2016
Job Number: 14.0350
Design By: JVM
Drawn By: JVM
Checked By: JAM

Sheet Number:
A-3

GIS MAP INFORMATION
File Name: Sanitary Sewer Base.mxd
File Location: G:\Willis\14.0350-Southwest Suburban Denver WSD\BASE\GIS\

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors



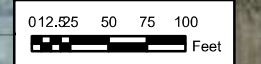
No.	Description of Revisions	Date	Name

Date: JULY 2016
Job Number: 14-0350
Design By: JWM
Drawn By: JWM
Checked By: JAM



VICINITY MAP

W Bellevue Ave		
7	12	17
8	13	18
9	14	19
1	3	5
2	4	6
10	15	20
11	16	



Legend

Manhole Condition

- No Defects
- Infiltration - 1
- Infiltration - 2
- Infiltration - 3
- Infiltration - 4
- Liner Defect
- Frame/Ring Defect
- Buried
- Lined

Date Installed/Rehabilitated

- 1977 - 1980
- 1981 - 1985
- 1986 - 1990
- 1990 - 2000
- 2001 - 2016
- Service Taps

Outside the District

- Force Mains
- Gravity Mains

**SOUTHWEST SUBURBAN DENVER
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 SANITARY SEWER COLLECTION SYSTEM
 EXISTING CONDITIONS**

No.	Description of Revisions	Date	Name

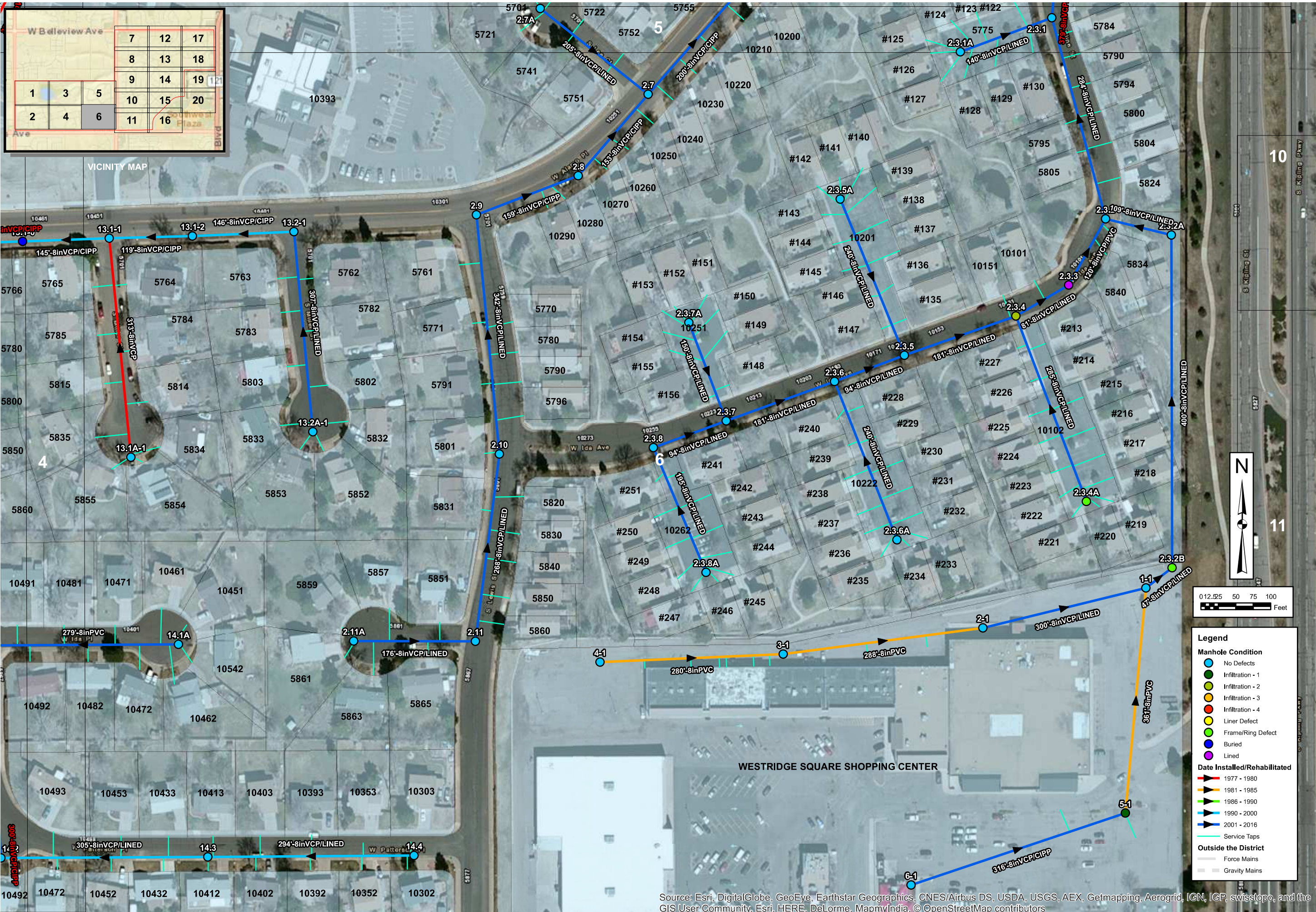
Date: JULY 2016
 Job Number: 14-0350
 Design By: JWM
 Drawn By: JWM
 Checked By: JAM

Sheet Number:
A-5

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors

7	12	17
8	13	18
9	14	19
10	15	20
11	16	

VICINITY MAP



Legend

Manhole Condition

- No Defects
- Infiltration - 1
- Infiltration - 2
- Infiltration - 3
- Infiltration - 4
- Liner Defect
- Frame/Ring Defect
- Buried
- Lined

Date Installed/Rehabilitated

- 1977 - 1980
- 1981 - 1985
- 1986 - 1990
- 1990 - 2000
- 2001 - 2016

Service Taps

- Service Taps

Outside the District

- Force Mains
- Gravity Mains

**SOUTHWEST SUBURBAN DENVER
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SANITARY SEWER COLLECTION SYSTEM
EXISTING CONDITIONS

No.	Description of Revisions	Date	Name

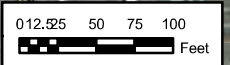
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors

GIS MAP INFORMATION
File Name: Sanitary Sewer_Base.mxd
File Location: G:\Willis\14_0350-Southwest Suburban Denver WSD\BASE\GIS\

W Belleview Ave			
	7	12	17
	8	13	18
	9	14	19
1	3	5	10
2	4	6	11
	15	16	20



MICINITY MAP



Legend

Manhole Condition

- No Defects
- Infiltration - 1
- Infiltration - 2
- Infiltration - 3
- Infiltration - 4
- Liner Defect
- Frame/Ring Defect
- Buried
- Lined

Date Installed/Rehabilitated

- 1977 - 1980
- 1981 - 1985
- 1986 - 1990
- 1990 - 2000
- 2001 - 2016
- Service Taps

Outside the District

- Force Mains
- Gravity Mains

**SOUTHWEST SUBURBAN DENVER
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SANITARY SEWER COLLECTION SYSTEM
EXISTING CONDITIONS**

No.	Description of Revisions	Date	Name

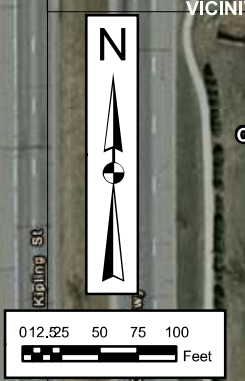
Date: JULY 2016
Job Number: 14-0350
Design By: JWM
Drawn By: JWM
Checked By: JAM

Sheet Number:
A-7

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors

GIS MAP INFORMATION
File Name: Sanitary Sewer Base.mxd
File Location: G:\Willis\14_0350-Southwest Suburban Denver WSD\BASE\GIS\

W Bellevue Ave		
7	12	17
8	13	18
9	14	19
10	15	20
11	16	
1	3	5
2	4	6



Legend

Manhole Condition

- No Defects
- Infiltration - 1
- Infiltration - 2
- Infiltration - 3
- Infiltration - 4
- Liner Defect
- Frame/Ring Defect
- Buried
- Lined

Date Installed/Rehabilitated

- ▶ 1977 - 1980
- ▶ 1981 - 1985
- ▶ 1986 - 1990
- ▶ 1990 - 2000
- ▶ 2001 - 2016

Outside the District

- Force Mains
- Gravity Mains



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EXISTING CONDITIONS

No.	Description of Revisions	Date	Name

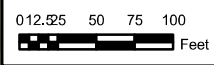
Date:	JULY 2016
Job Number:	14-0350
Design By:	JVM
Drawn By:	JVM
Checked By:	JAM

Sheet Number:
A-9

GIS MAP INFORMATION
File Name: Sanitary Sewer_Base.mxd
File Location: G:\Projects\14_0350-Southwest Suburban Denver WSD\BASE\GIS\

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W Bellevue Ave			
	7	12	17
	8	13	18
	9	14	19
1	3	5	10
2	4	6	11
			15
			16
			20
Southwest Plaza			



- Legend**
- Manhole Condition**
 - No Defects
 - Infiltration - 1
 - Infiltration - 2
 - Infiltration - 3
 - Infiltration - 4
 - Liner Defect
 - Frame/Ring Defect
 - Buried
 - Lined
 - Date Installed/Rehabilitated**
 - ▾ 1977 - 1980
 - ▾ 1981 - 1985
 - ▾ 1986 - 1990
 - ▾ 1990 - 2000
 - ▾ 2001 - 2016
 - Outside the District**
 - Force Mains
 - Gravity Mains

GIS MAP INFORMATION
File Name: Sanitary Sewer Base.mxd
File Location: G:\Illis\14.0350-Southwest Suburban Denver WSD\BASE\GIS\

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No.	Description of Revisions	Date	Name

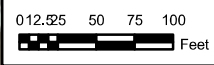
Date: JULY 2016
Job Number: 14.0350
Design By: JVM
Drawn By: JVM
Checked By: JAM

Sheet Number: **A-10**

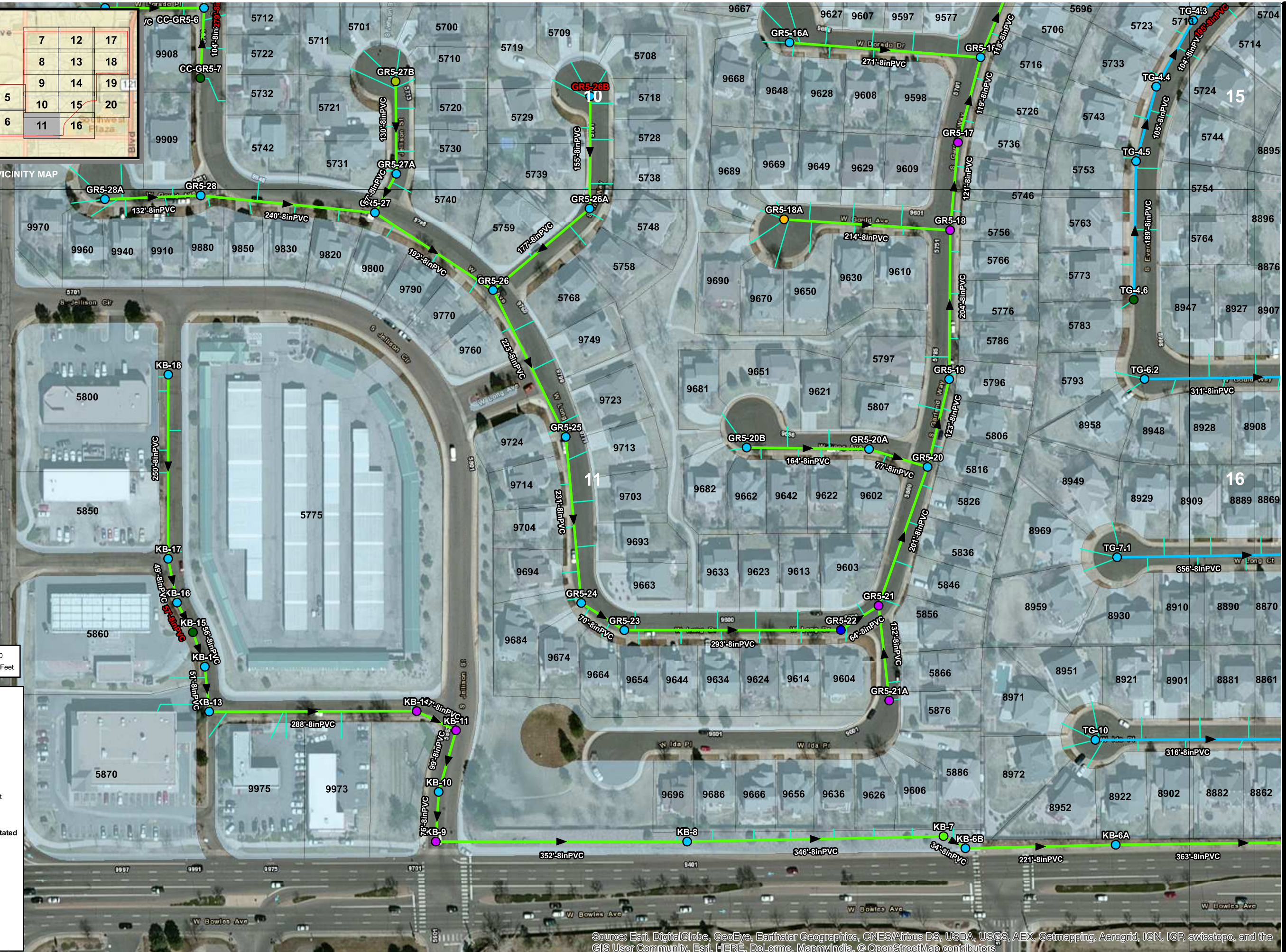
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEAX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors

W Belview Ave			
	7	12	17
	8	13	18
	9	14	19
1	3	5	10
2	4	6	11
			15
			20

VICINITY MAP



- Legend**
- Manhole Condition**
 - No Defects
 - Infiltration - 1
 - Infiltration - 2
 - Infiltration - 3
 - Infiltration - 4
 - Liner Defect
 - Frame/Ring Defect
 - Buried
 - Lined
 - Date Installed/Rehabilitated**
 - 1977 - 1980
 - 1981 - 1985
 - 1986 - 1990
 - 1990 - 2000
 - 2001 - 2016
 - Outside the District**
 - Force Mains
 - Gravity Mains



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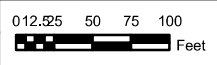
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SANITARY SEWER COLLECTION SYSTEM
EXISTING CONDITIONS**

No.	Description of Revisions	Date	Name

Date: JULY 2016
Job Number: 14.0350
Design By: JWM
Drawn By: JWM
Checked By: JAM
Sheet Number:
A-11

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W Belleview Ave			
	7	12	17
	8	13	18
	9	14	19
1	3	5	10
2	4	6	11
	15	16	20



Legend

Manhole Condition

- No Defects
- Infiltration - 1
- Infiltration - 2
- Infiltration - 3
- Infiltration - 4
- Liner Defect
- Frame/Ring Defect
- Buried
- Lined

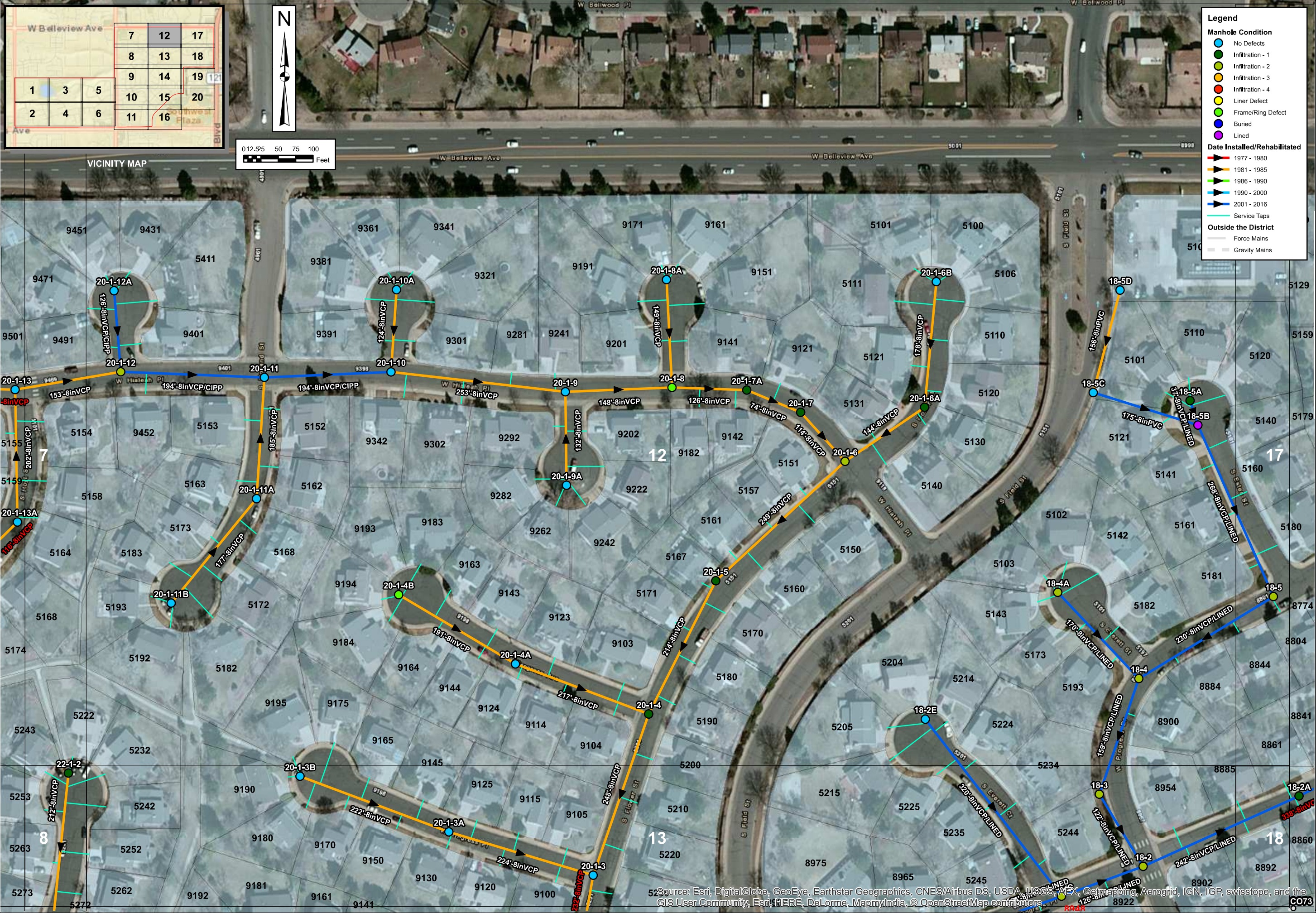
Date Installed/Rehabilitated

- 1977 - 1980
- 1981 - 1985
- 1986 - 1990
- 1990 - 2000
- 2001 - 2016

Service Taps

Outside the District

- Force Mains
- Gravity Mains



GIS MAP INFORMATION
 File Name: Sanitary Sewer_Base.mxd
 File Location: G:\Projects\14_0350-Southwest Suburban Denver WSD\BASE\GIS

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No.	Description of Revisions	Date	Name

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 Job Number: 14-0350
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Sheet Number:
A-12

C073



**SOUTHWEST SUBURBAN DENVER
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SANITARY SEWER COLLECTION SYSTEM
EXISTING CONDITIONS**

WBalleview Ave			7	12	17
			8	13	18
Ave			9	14	19
			10	15	20
1	3	5	11	16	21
2	4	6			

N

0 12.5 25 50 75 100
Feet

Legend

Manhole Condition

- No Defects
- Infiltration - 1
- Infiltration - 2
- Infiltration - 3
- Infiltration - 4
- Liner Defect
- Frame/Ring Defect
- Buried
- Lined

Date Installed/Rehabilitated

- ▲ 1977 - 1980
- ▲ 1981 - 1985
- ▲ 1986 - 1990
- ▲ 1990 - 2000
- ▲ 2001 - 2016

Outside the District

- Force Mains
- Gravity Mains

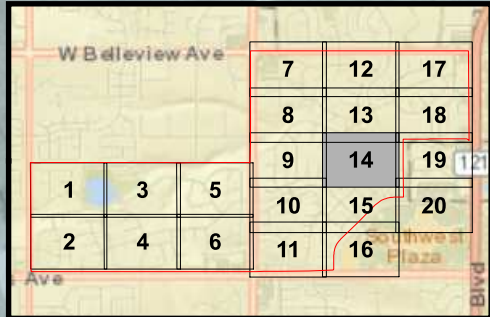
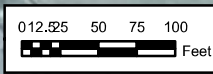
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File Location: G:\Illinois\14.0350-Southwest Suburban Denver\WSD\BASE\GIS\

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Date: JULY 2016	Job Number: 14-0350	Design By: JWM	Drawn By: JWM	Checked By: JAM
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Sheet Number: **A-13**



Legend

Manhole Condition

- No Defects
- Infiltration - 1
- Infiltration - 2
- Infiltration - 3
- Infiltration - 4
- Liner Defect
- Frame/Ring Defect
- Buried
- Lined

Date Installed/Rehabilitated

- ▬ 1977 - 1980
- ▬ 1981 - 1985
- ▬ 1986 - 1990
- ▬ 1990 - 2000
- ▬ 2001 - 2016
- ▬ Service Taps

Outside the District

- Force Mains
- Gravity Mains

GIS MAP INFORMATION
 File Name: Sanitary Sewer_Base.mxd
 File Location: G:\Willis\14_0350-Southwest Suburban Denver WSD\BASE\GIS\

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EXISTING CONDITIONS

No.	Description of Revisions	Date	Name

Date: JULY 2016
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 Design By: JWM
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Sheet Number:
A-14

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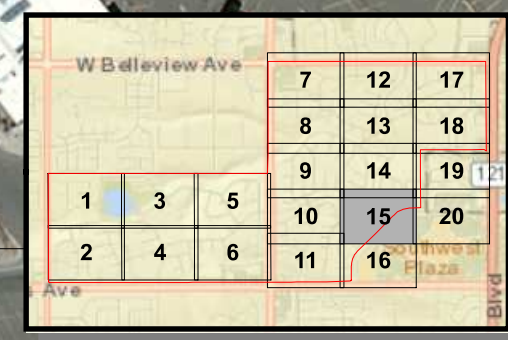


GIS MAP INFORMATION
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 File Location: G:\Projects\14_0350-Southwest Suburban Denver WSD\BASE\GIS\

**SOUTHWEST SUBURBAN DENVER
 WATER & SANITATION DISTRICT
 SANITARY SEWER COLLECTION SYSTEM
 EXISTING CONDITIONS**

No.	Description of Revisions	Date	Name

Date: JULY 2016
 Job Number: 14-0350
 Design By: JVM
 Drawn By: JVM
 Checked By: JAM
 Sheet Number:
A-15



Legend

Manhole Condition

- No Defects
- Infiltration - 1
- Infiltration - 2
- Infiltration - 3
- Infiltration - 4
- Liner Defect
- Frame/Ring Defect
- Buried
- Lined

Date Installed/Rehabilitated

- 1977 - 1980
- 1981 - 1985
- 1986 - 1990
- 1990 - 2000
- 2001 - 2016
- Service Taps

Outside the District

- Force Mains
- Gravity Mains

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGR, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors



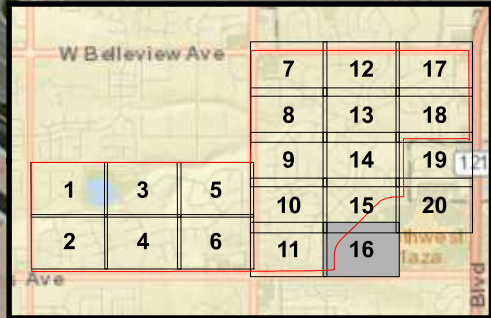
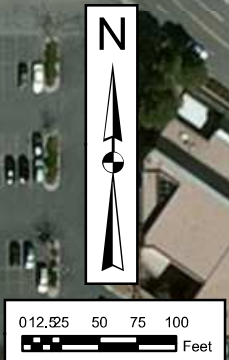
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Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors

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 WATER & SANITATION DISTRICT
 SANITARY SEWER COLLECTION SYSTEM
 EXISTING CONDITIONS**

No.	Description of Revisions	Date	Name

Date: JULY 2016
 Job Number: 14-0350
 Design By: JVM
 Drawn By: JVM
 Checked By: JAM



Legend

Manhole Condition

- No Defects (Blue circle)
- Infiltration - 1 (Green circle)
- Infiltration - 2 (Yellow circle)
- Infiltration - 3 (Orange circle)
- Infiltration - 4 (Red circle)
- Liner Defect (Light blue circle)
- Frame/Ring Defect (Light green circle)
- Buried (Purple circle)
- Lined (Pink circle)

Date Installed/Rehabilitated

- 1977 - 1980 (Red arrow)
- 1981 - 1985 (Orange arrow)
- 1986 - 1990 (Yellow arrow)
- 1990 - 2000 (Light green arrow)
- 2001 - 2016 (Dark green arrow)
- Service Taps (Blue arrow)

Outside the District

- Force Mains (Grey line)
- Gravity Mains (Light grey line)

VICINITY MAP

W Bellevue Ave			
	7	12	17
	8	13	18
1	3	5	19
	10	15	20
2	4	6	16

Legend

Manhole Condition

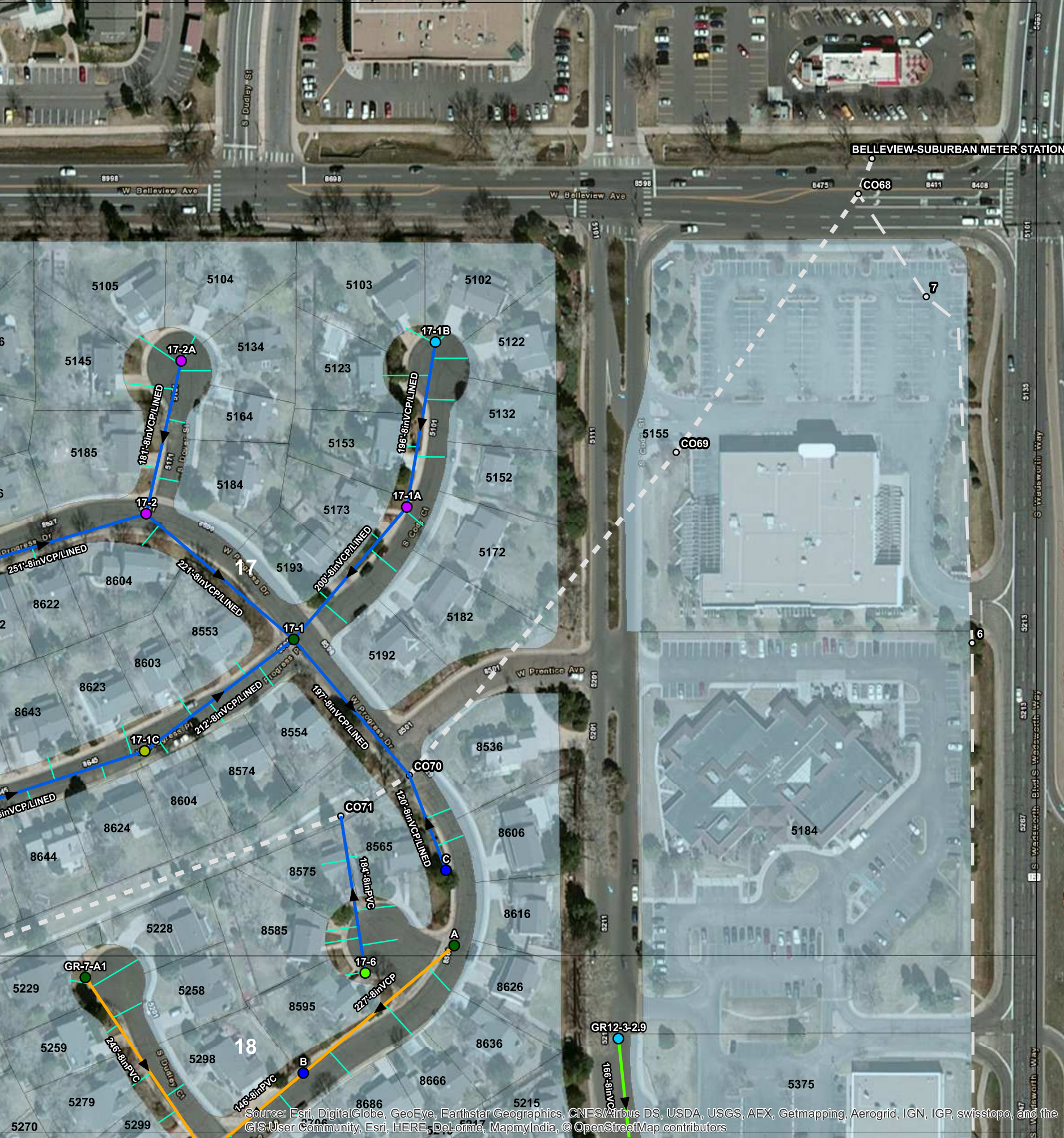
- No Defects
- Infiltration - 1
- Infiltration - 2
- Infiltration - 3
- Infiltration - 4
- Liner Defect
- Frame/Ring Defect
- Buried
- Lined

Date Installed/Rehabilitated

- 1977 - 1980
- 1981 - 1985
- 1986 - 1990
- 1990 - 2000
- 2001 - 2016
- Service Taps

Outside the District

- Force Mains
- Gravity Mains



GIS MAP INFORMATION
 File Name: Sanitary Sewer_Base.mxd
 File Location: G:\w\114\0350-Southwest Suburban Denver\WSD\BASE\GIS

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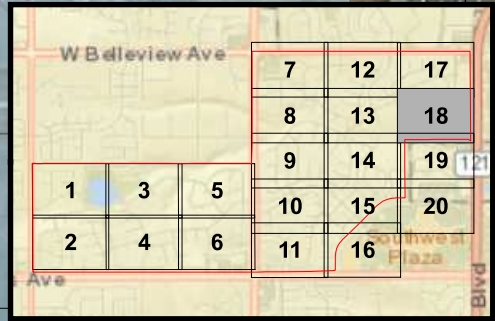
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EXISTING CONDITIONS**

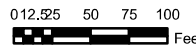
No.	Description of Revisions	Date	Name

Date: JULY 2016
 Job Number: 14-0350
 Design By: JWM
 Drawn By: JWM
 Checked By: JAM

Sheet Number:
A-17



VICINITY MAP



No.	Description of Revisions	Date	Name

- Legend**
- Manhole Condition**
 - Blue circle: No Defects
 - Green circle: Infiltration - 1
 - Yellow circle: Infiltration - 2
 - Orange circle: Infiltration - 3
 - Red circle: Infiltration - 4
 - Purple circle: Liner Defect
 - Light blue circle: Frame/Ring Defect
 - Dark blue circle: Buried
 - Light purple circle: Lined
 - Date Installed/Rehabilitated**
 - Red arrow: 1977 - 1980
 - Orange arrow: 1981 - 1985
 - Yellow arrow: 1986 - 1990
 - Green arrow: 1990 - 2000
 - Blue arrow: 2001 - 2016
 - Green line: Service Taps
 - Outside the District**
 - Grey line: Force Mains
 - Light grey line: Gravity Mains

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors

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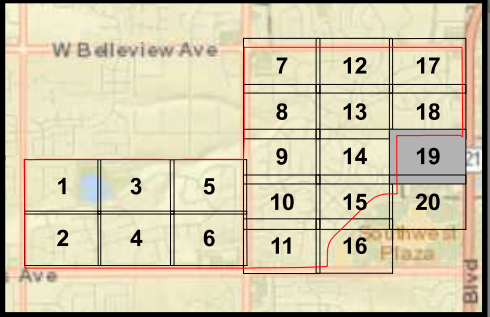
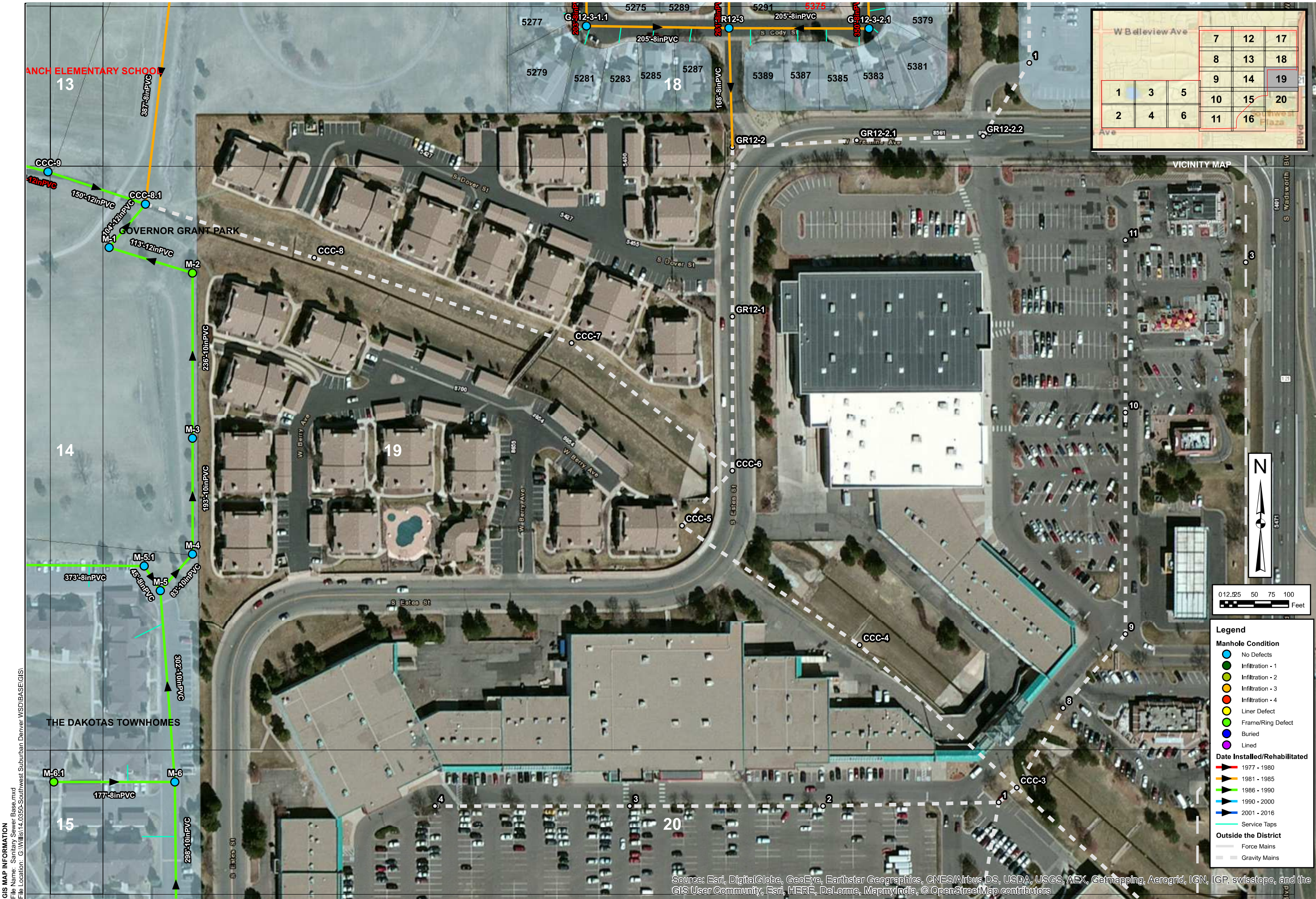
**SOUTHWEST SUBURBAN DENVER
 WATER & SANITATION DISTRICT**
 SANITARY SEWER COLLECTION SYSTEM
 EXISTING CONDITIONS

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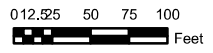
Date:	JULY 2016
Job Number:	14.0350
Design By:	JVM
Drawn By:	JVM
Checked By:	JAM

Sheet Number:

A-18



VICINITY MAP



Legend

Manhole Condition

- No Defects
- Infiltration - 1
- Infiltration - 2
- Infiltration - 3
- Infiltration - 4
- Liner Defect
- Frame/Ring Defect
- Buried
- Lined

Date Installed/Rehabilitated

- 1977 - 1980
- 1981 - 1985
- 1986 - 1990
- 1990 - 2000
- 2001 - 2016
- Service Taps

Outside the District

- Force Mains
- Gravity Mains

GIS MAP INFORMATION
 File Name: Sanitary Sewer_Base.mxd
 File Location: G:\Illis\14_0350-Southwest Suburban Denver_WSD\BASE\GIS\

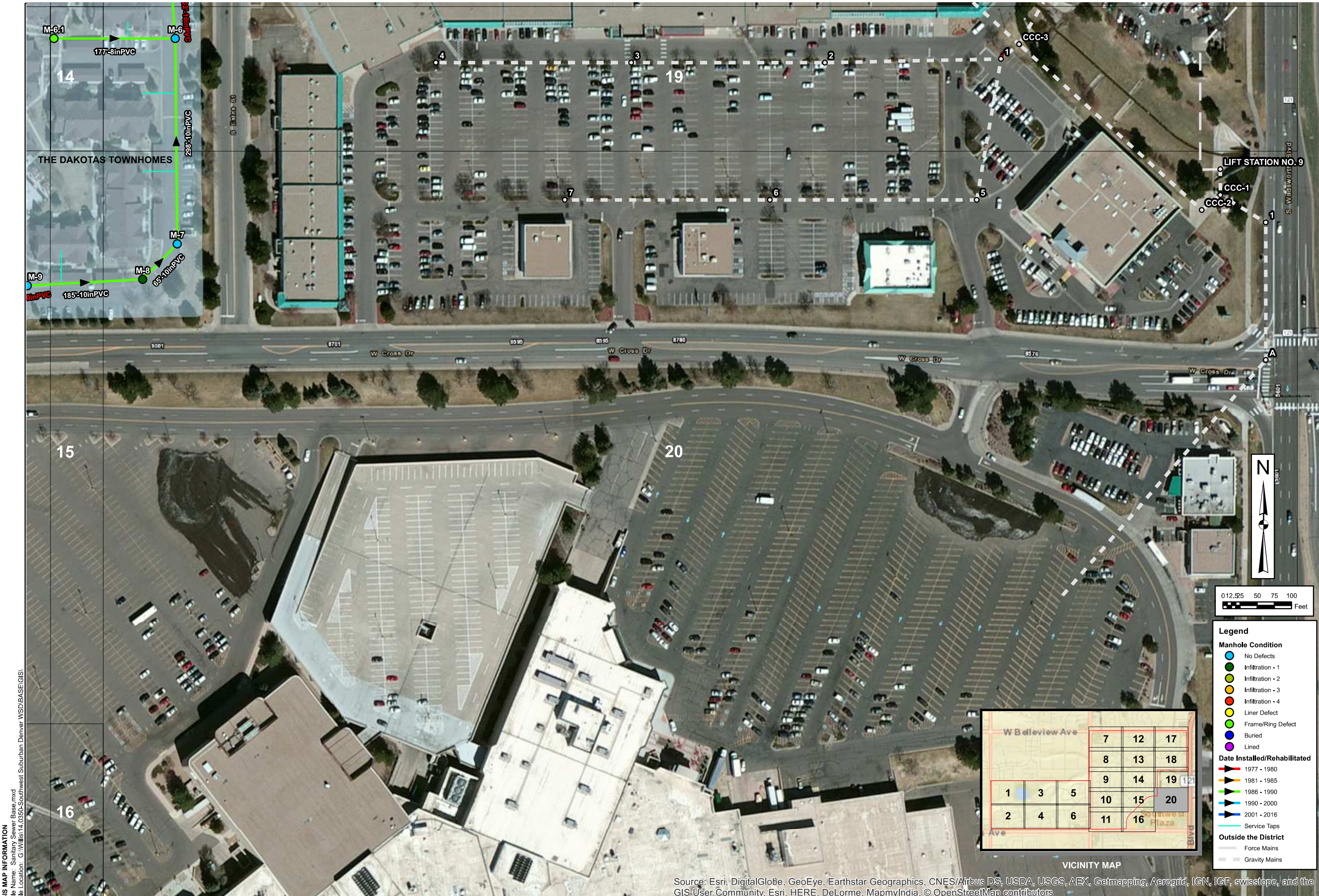
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors

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 EXISTING CONDITIONS**

No.	Description of Revisions	Date	Name

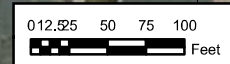
Date: JULY 2016
 Job Number: 14-0350
 Design By: JVM
 Drawn By: JVM
 Checked By: JAM
 Sheet Number:
A-19



GIS MAP INFORMATION
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**SOUTHWEST SUBURBAN DENVER
 WATER & SANITATION DISTRICT
 SANITARY SEWER COLLECTION SYSTEM
 EXISTING CONDITIONS**



- Legend**
- Manhole Condition**
 - No Defects (Blue circle)
 - Infiltration - 1 (Green circle)
 - Infiltration - 2 (Yellow circle)
 - Infiltration - 3 (Orange circle)
 - Infiltration - 4 (Red circle)
 - Liner Defect (Light Green circle)
 - Frame/Ring Defect (Light Blue circle)
 - Buried (Purple circle)
 - Lined (Pink circle)
 - Date Installed/Rehabilitated**
 - 1977 - 1980 (Red arrow)
 - 1981 - 1985 (Orange arrow)
 - 1986 - 1990 (Yellow arrow)
 - 1990 - 2000 (Green arrow)
 - 2001 - 2016 (Blue arrow)
 - Outside the District**
 - Force Mains (Grey line)
 - Gravity Mains (Light Grey line)

VICINITY MAP

W Bellevue Ave			7	12	17
			8	13	18
1	3	5	9	14	19
2	4	6	10	15	20
Ave			11	16	
					S Wadsworth Blvd

No.	Description of Revisions	Date	Name

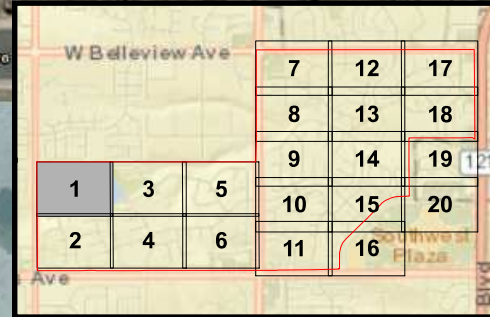
Date: JULY 2016
 Job Number: 14.0350
 Design By: JVM
 Drawn By: JVM
 Checked By: JAM

Sheet Number:
A-20

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APPENDIX B – PHASE I CAPITAL IMPROVEMENTS





VICINITY MAP

**SOUTHWEST SUBURBAN DENVER
 WATER & SANITATION DISTRICT
 SANITARY SEWER COLLECTION SYSTEM
 PHASE I CAPITAL IMPROVEMENTS**

No.	Name	Date	Description of Revisions

Date: NOVEMBER 2016
 Job Number: 14-0350
 Design By: JWM
 Drawn By: JWM
 Checked By: JAM

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors



GIS MAP INFORMATION
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 File Location: G:\Willis\14_0350-Southwest Suburban Denver WSD\BASE\GIS\

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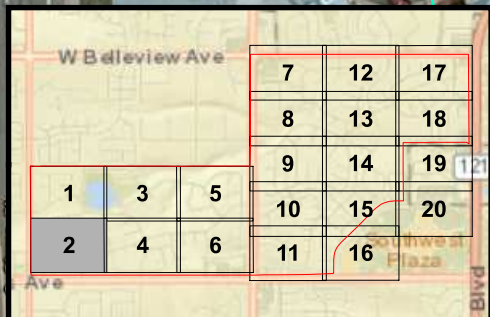
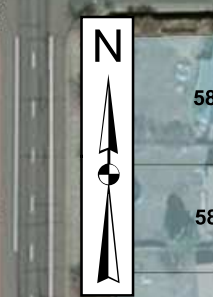
- Manholes
- Liner Repair
- Manhole Lining
- Sanitary Mains

Main Improvements

- CIPP
- Point Repair
- Remove/Replace
- Service Taps

Outside the District

- Force Mains
- Gravity Mains



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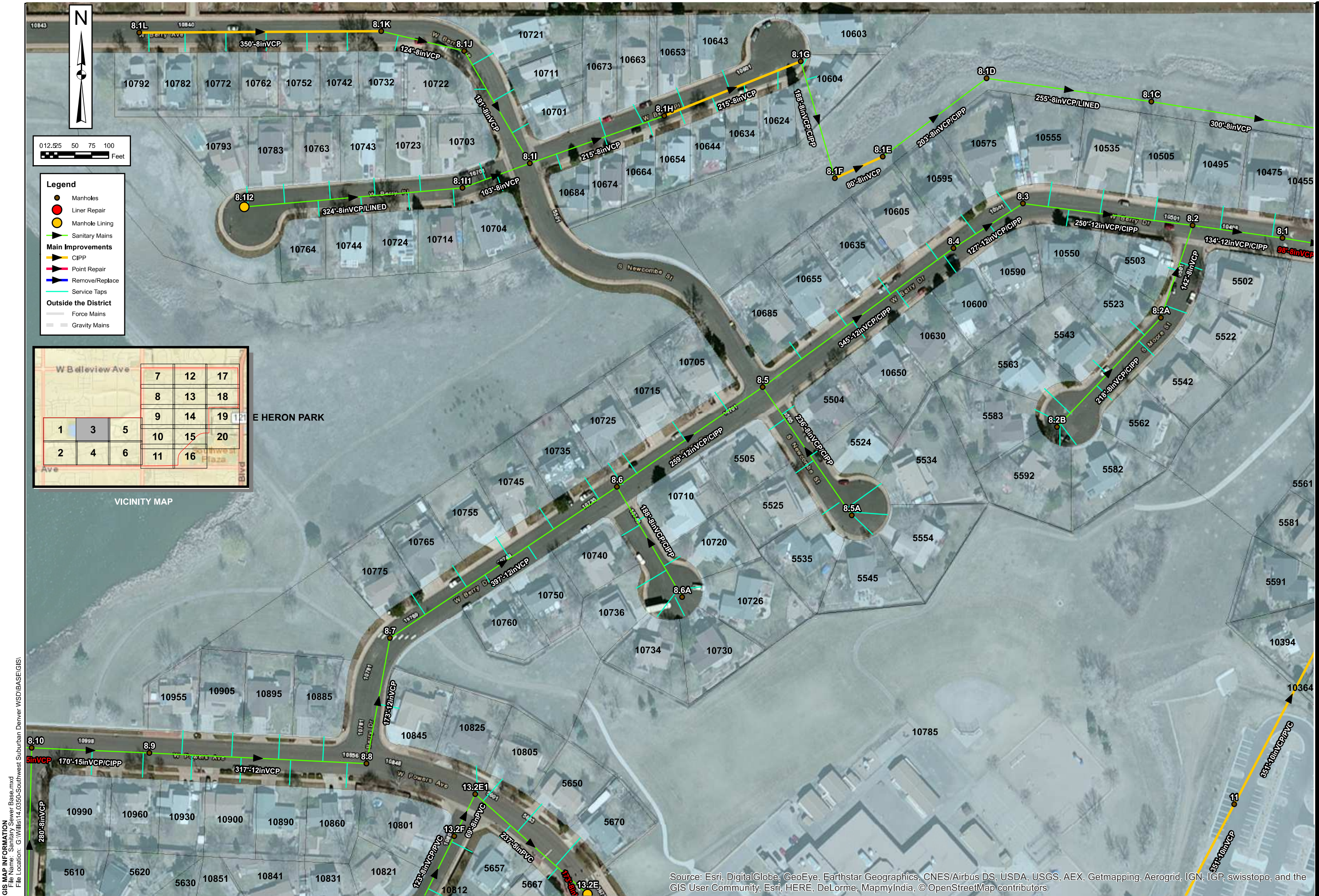
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 PHASE I CAPITAL IMPROVEMENTS**

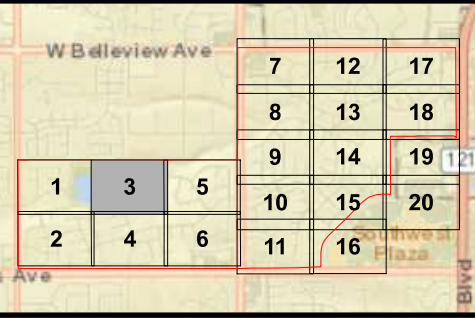
No.	Description of Revisions	Date	Name

Date: NOVEMBER 2016
 Job Number: 14-0350
 Design By: JWM
 Drawn By: JWM
 Checked By: JAM

Sheet Number:
B-2



- Legend**
- Manholes
 - Liner Repair
 - Manhole Lining
 - Sanitary Mains
 - CIPP
 - Point Repair
 - Remove/Replace
 - Service Taps
 - Outside the District
 - Force Mains
 - Gravity Mains



GIS MAP INFORMATION
 File Name: Sanitary Sewer Base.mxd
 File Location: G:\Willis\14_0350-Southwest Suburban Denver WSD\BASE\GIS\

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors

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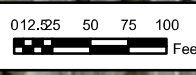
**SOUTHWEST SUBURBAN DENVER
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 PHASE I CAPITAL IMPROVEMENTS**

No.	Description of Revisions	Date	Name

Date: NOVEMBER 2016
 Job Number: 14-0350
 Design By: JVM
 Drawn By: JVM
 Checked By: JAM
 Sheet Number:
B-3

VICINITY MAP

W Bellevue Ave			
	7	12	17
	8	13	18
1	3	5	9
	10	15	19
2	4	6	11
	16		20



Legend

- Manholes (Red circle)
- Liner Repair (Yellow circle)
- Manhole Lining (Yellow circle with black outline)
- Sanitary Mains (Green line)
- Main Improvements (Yellow line)
- CIPP (Yellow line with black outline)
- Point Repair (Red arrow)
- Remove/Replace (Blue arrow)
- Service Taps (Blue line)
- Outside the District (Grey line)
- Force Mains (Grey line)
- Gravity Mains (Grey line)

**SOUTHWEST SUBURBAN DENVER
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 SANITARY SEWER COLLECTION SYSTEM
 PHASE I CAPITAL IMPROVEMENTS**

No.	Description of Revisions	Date	Name

Date: NOVEMBER 2016
 Job Number: 14-0350
 Design By: JWM
 Drawn By: JWM
 Checked By: JAM

Sheet Number:
B-5

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VICINITY MAP

W Bellevue Ave			
	7	12	17
	8	13	18
1	3	5	9
	10	14	15
2	4	6	11
	16	19	20

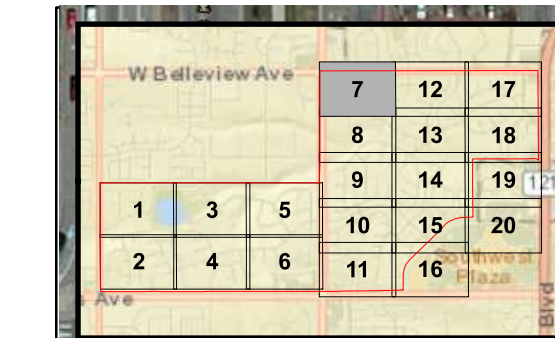
**SOUTHWEST SUBURBAN DENVER
WATER & SANITATION DISTRICT**
SANITARY SEWER COLLECTION SYSTEM
PHASE I CAPITAL IMPROVEMENTS

No.	Description of Revisions	Date	Name

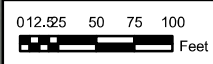
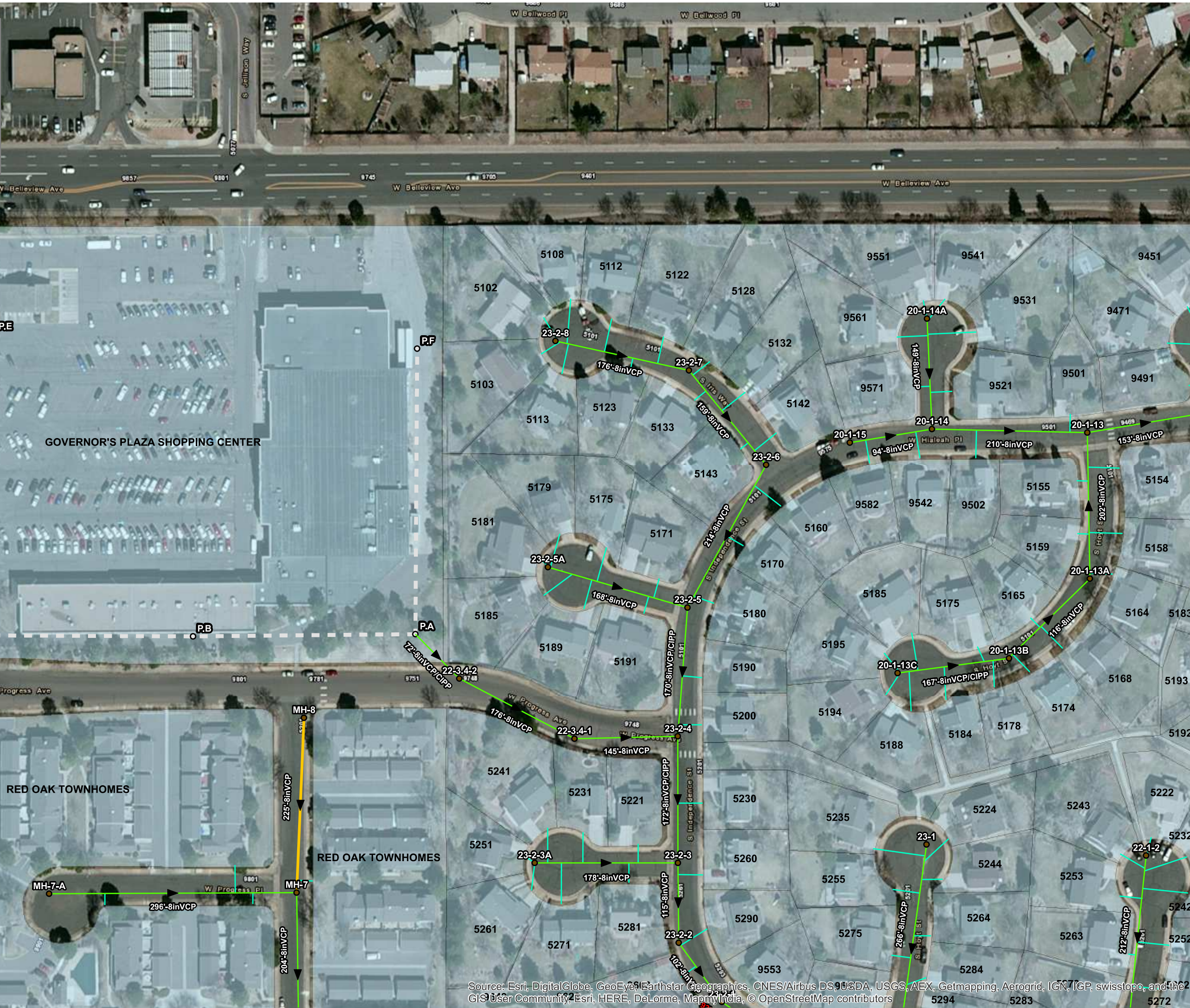
Date: NOVEMBER 2016
 Job Number: 14-0350
 Design By: JVM
 Drawn By: JVM
 Checked By: JAM

Sheet Number:
B-6

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VICINITY MAP



Legend

- Manholes
- Liner Repair
- Manhole Lining
- ▲ Sanitary Mains
- ▲ CIPP
- ▲ Point Repair
- ▲ Remove/Replace
- ▲ Service Taps

Outside the District

- Force Mains
- Gravity Mains

GIS MAP INFORMATION
 File Name: Sanitary Sewer Base.mxd
 File Location: G:\Willis\14_0350-Southwest Suburban Denver WSD\BASE\GIS\

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 PHASE I CAPITAL IMPROVEMENTS**

No.	Description of Revisions	Date	Name

Date: NOVEMBER 2016
Job Number: 14-0350
Design By: JWM
Drawn By: JWM
Checked By: JAM

Sheet Number:
B-7

W Belview Ave

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	8	13	18		
	9	14	19		
1	3	5	10	15	20
2	4	6	11	16	

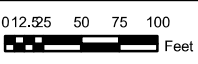
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VICINITY MAP

RED OAK TOWNHOMES

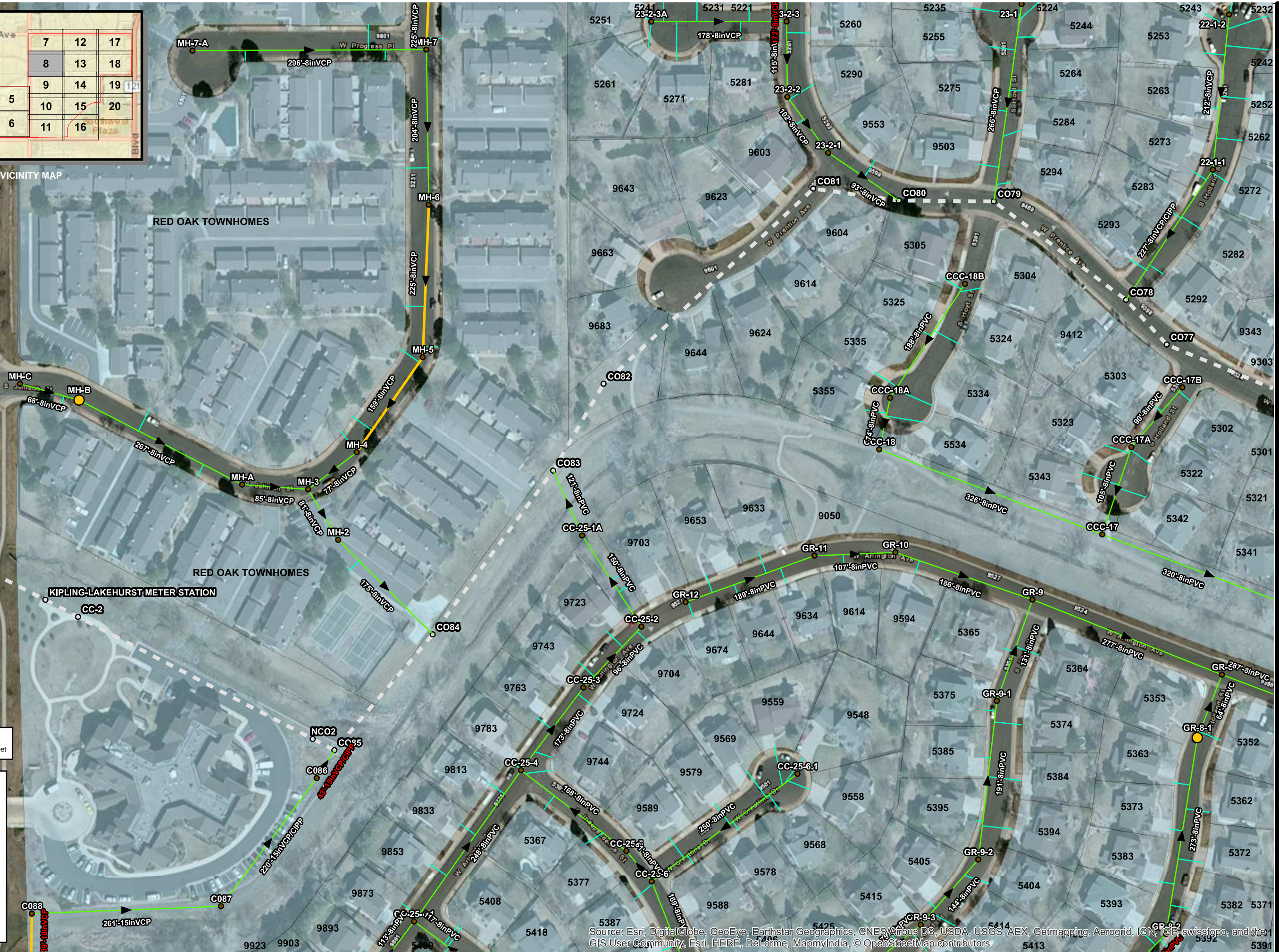
RED OAK TOWNHOMES

KIPLING-LAKEHURST METER STATION



- Legend**
- Manholes
 - Liner Repair
 - Manhole Lining
 - Sanitary Mains
 - ▲ CIPP
 - ▲ Point Repair
 - ▲ Remove/Replace
 - ▲ Service Taps
 - Outside the District
 - Force Mains
 - Gravity Mains

GIS MAP INFORMATION
 File Name: Sanitary Sewer Base.mxd
 File Location: G:\Willis\14_0350-Southwest Suburban Denver WSD\BASE\GIS\



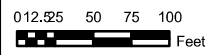
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 PHASE I CAPITAL IMPROVEMENTS**

No.	Description of Revisions	Date	Name

Date: NOVEMBER 2016
 Job Number: 14-0350
 Design By: JVM
 Drawn By: JVM
 Checked By: JAM
 Sheet Number:
B-8



Legend

- Manholes
- Liner Repair
- Manhole Lining
- Sanitary Mains
- Main Improvements**
- ▶ CIPP
- ▶ Point Repair
- ▶ Remove/Replace
- Service Taps
- Outside the District**
- Force Mains
- Gravity Mains

**SOUTHWEST SUBURBAN DENVER
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SANITARY SEWER COLLECTION SYSTEM
PHASE I CAPITAL IMPROVEMENTS**

No.	Description of Revisions	Date	Name

Date: NOVEMBER 2016	Job Number: 14-0350	Design By: JWM	Drawn By: JWM	Checked By: JAM
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B-10

GIS MAP INFORMATION
 File Name: Sanitary Sewer Base.mxd
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VICINITY MAP

W Balview Ave			
	7	12	17
	8	13	18
	9	14	19
1	3	5	10
2	4	6	11
	15	16	20
W Balview Ave			

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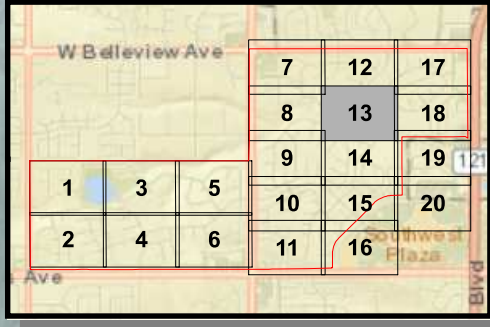


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PHASE I CAPITAL IMPROVEMENTS

No.	Description of Revisions	Date	Name

Date: NOVEMBER 2016
Job Number: 14-0350
Design By: JVM
Drawn By: JVM
Checked By: JAM

- Legend**
- Manholes
 - Liner Repair
 - Manhole Lining
 - Sanitary Mains
 - Main Improvements**
 - CIPP
 - Point Repair
 - Remove/Replace
 - Service Taps
 - Outside the District**
 - Force Mains
 - Gravity Mains





**SOUTHWEST SUBURBAN DENVER
WATER & SANITATION DISTRICT**
SANITARY SEWER COLLECTION SYSTEM
PHASE I CAPITAL IMPROVEMENTS

Legend

- Manholes
- Liner Repair
- Manhole Lining
- ▲ Sanitary Mains
- ▲ CIPP
- ▲ Point Repair
- ▲ Remove/Replace
- ▲ Service Taps
- Force Mains
- Gravity Mains

VICINITY MAP

W Bellevue Ave			
	7	12	17
	8	13	18
	9	14	19
1	3	5	10
2	4	6	11
			15
			16
			20

Name	
Date	
Description of Revisions	
No.	
Date	
Description of Revisions	
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Date	
Description of Revisions	
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Description of Revisions	
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Date	
Description of Revisions	

Date: NOVEMBER 2016
Job Number: 14.0350
Design By: JVM
Drawn By: JVM
Checked By: JAM

Sheet Number:
B-14

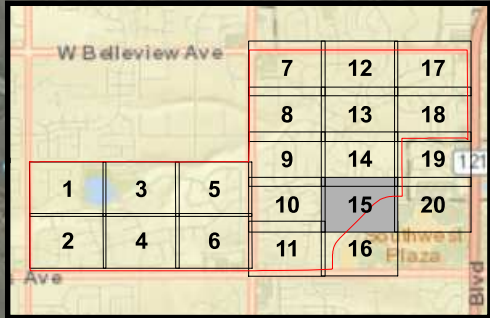
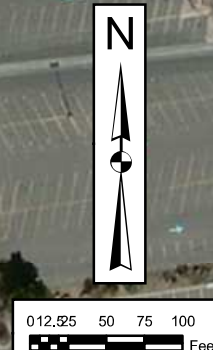
GIS MAP INFORMATION
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File Location: G:\Willis\14.0350-Southwest Suburban Denver WSD\BASE\GIS\

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- Legend**
- Manholes
 - Liner Repair
 - Manhole Lining
 - Sanitary Mains
 - Main Improvements**
 - CIPP
 - Point Repair
 - Remove/Replace
 - Service Taps
 - Outside the District**
 - Force Mains
 - Gravity Mains



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGR, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors

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 WATER & SANITATION DISTRICT
 SANITARY SEWER COLLECTION SYSTEM
 PHASE I CAPITAL IMPROVEMENTS**

No.	Description of Revisions	Date	Name

Date: NOVEMBER 2016
 Job Number: 14-0350
 Design By: JVM
 Drawn By: JVM
 Checked By: JAM

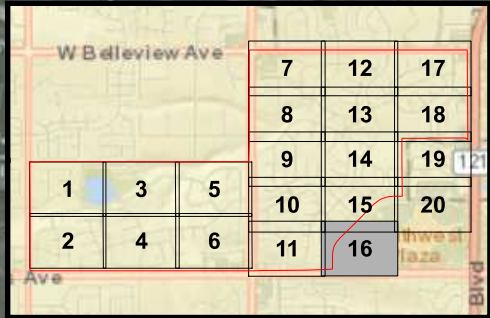


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 PHASE I CAPITAL IMPROVEMENTS**

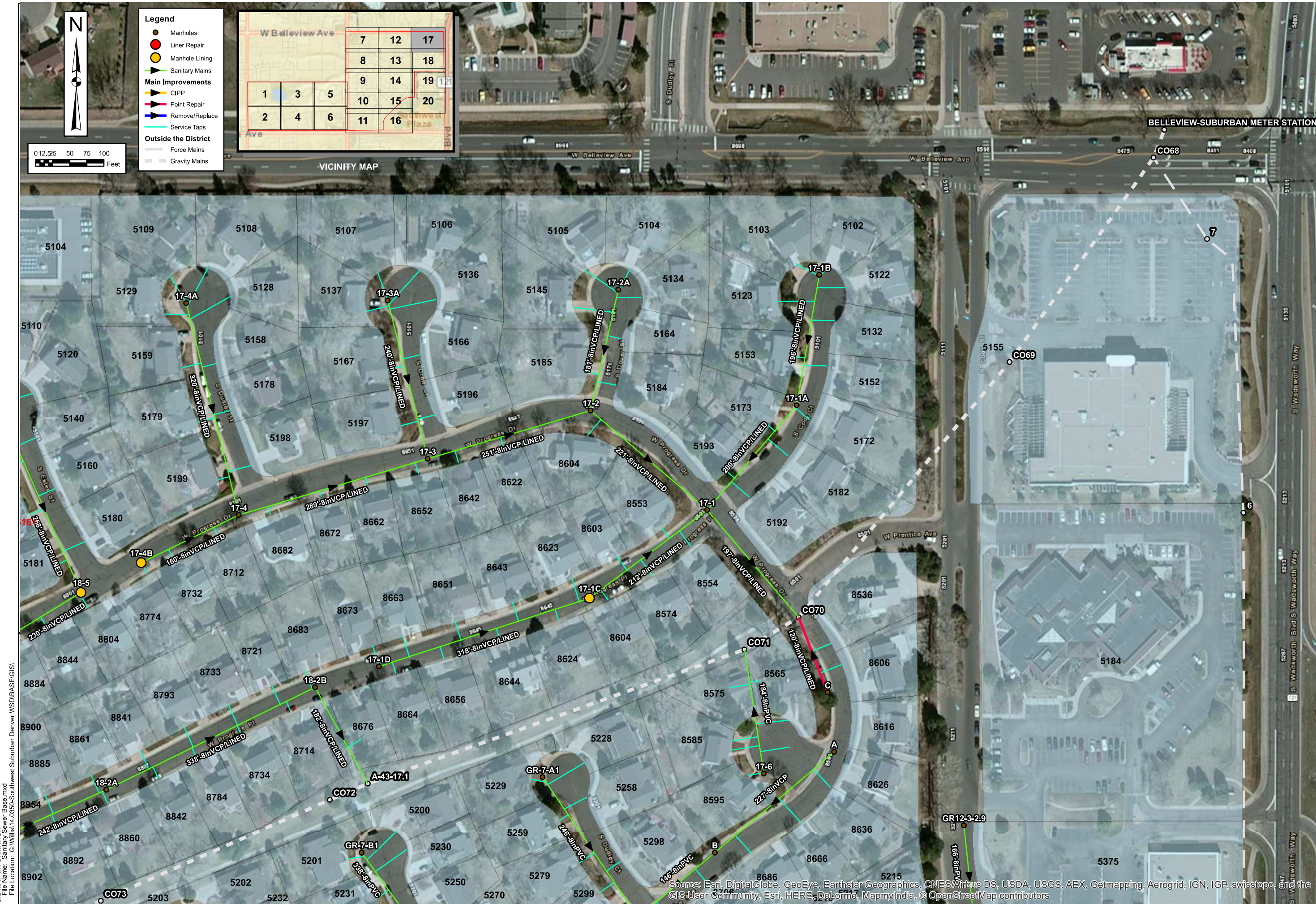
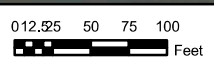
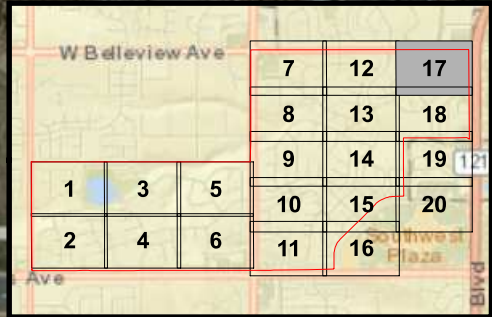
No.	Description of Revisions	Date	Name

Date: NOVEMBER 2016
 Job Number: 14-0350
 Design By: JVM
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- Legend**
- Manholes
 - Liner Repair
 - Manhole Lining
 - Sanitary Mains
 - Main Improvements
 - CIPP
 - Point Repair
 - Remove/Replace
 - Service Taps
 - Outside the District
 - Force Mains
 - Gravity Mains



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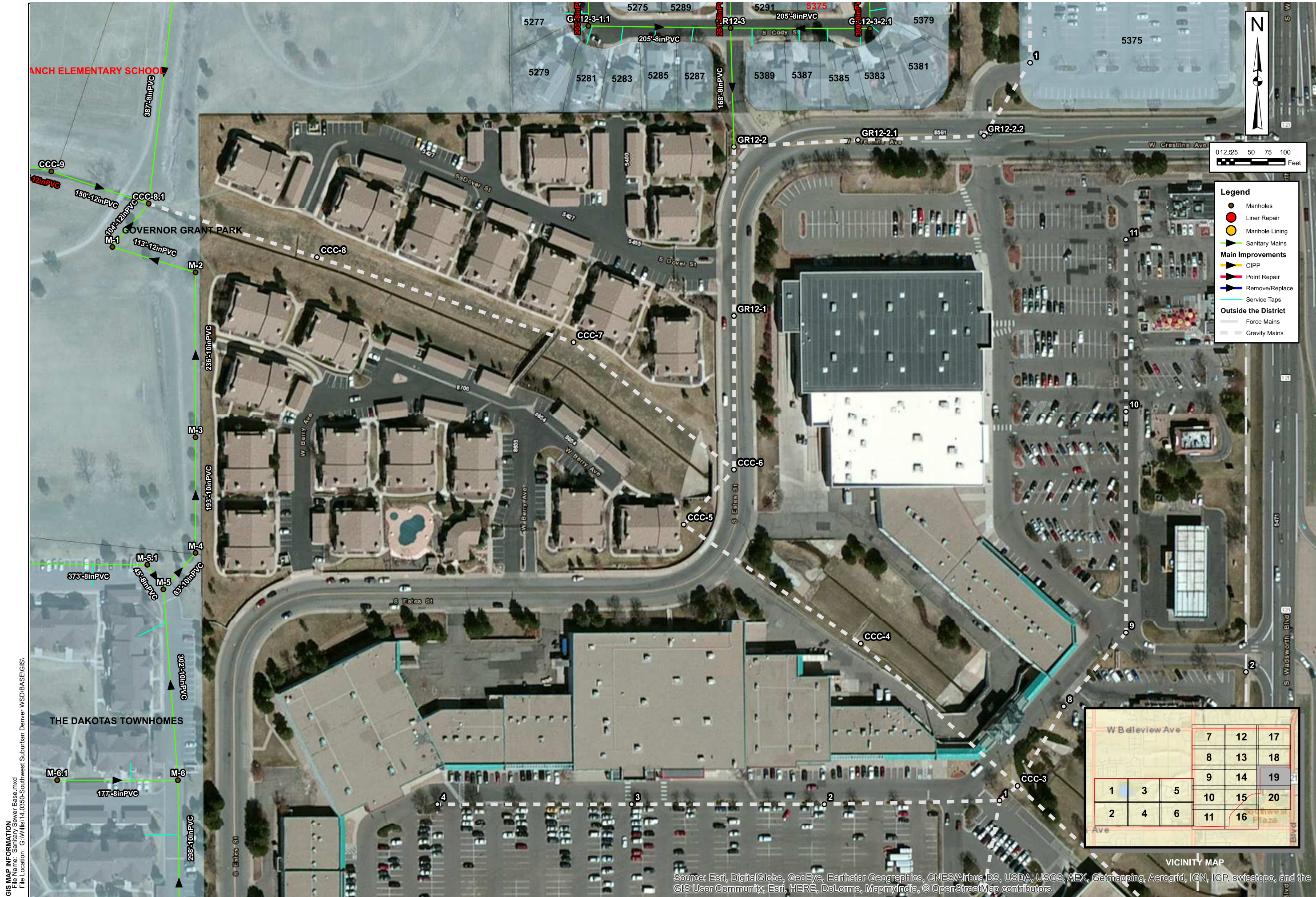
**SOUTHWEST SUBURBAN DENVER
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SANITARY SEWER COLLECTION SYSTEM
PHASE I CAPITAL IMPROVEMENTS**

No.	Description of Revisions	Date	Name

Date: NOVEMBER 2016
Job Number: 14-0350
Design By: JWM
Drawn By: JWM
Checked By: JAM
Sheet Number:
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GIS MAP INFORMATION
File Name: Sanitary Sewer Base.mxd
File Location: G:\Willis\14_0350-Southwest Suburban Denver WSD\BASE\GIS\

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Legend

- Manholes
- Liner Repair
- Manhole Lining
- Sanitary Mains

Main Improvements

- CIPP
- Point Repair
- Remove/Replace
- Service Taps

Outside the District

- Force Mains
- Gravity Mains

VICINITY MAP

			W Berry Ave		
			7	12	17
			8	13	18
			9	14	19
1	3	5	10	15	20
2	4	6	11	16	

GIS MAP INFORMATION
 File Name: Sanitary Sewer Base.mxd
 File Location: G:\Willis\14_0350-Southwest Suburban Denver WSD\BASE\GIS\

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors

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**SOUTHWEST SUBURBAN DENVER
 WATER & SANITATION DISTRICT
 SANITARY SEWER COLLECTION SYSTEM
 PHASE I CAPITAL IMPROVEMENTS**

No.	Description of Revisions	Date	Name

Date: NOVEMBER 2016
 Job Number: 14-0350
 Design By: JVM
 Drawn By: JVM
 Checked By: JAM

Sheet Number:
B-19

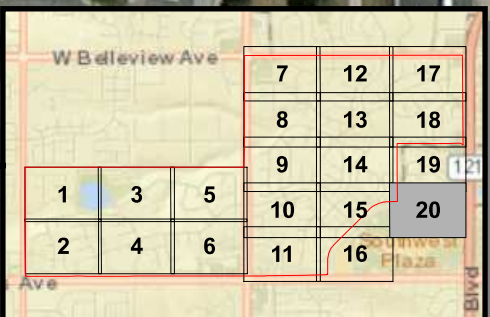


**SOUTHWEST SUBURBAN DENVER
 WATER & SANITATION DISTRICT
 SANITARY SEWER COLLECTION SYSTEM
 PHASE I CAPITAL IMPROVEMENTS**

No.	Description of Revisions	Date	Name

Date: NOVEMBER 2016
Job Number: 14-0350
Design By: JVM
Drawn By: JVM
Checked By: JAM

Sheet Number:
B-20



VICINITY MAP

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APPENDIX C – PHASE II CAPITAL IMPROVEMENTS



GIS MAP INFORMATION
 File Name: Sanitary Sewer Base.mxd
 File Location: G:\Willis\14_0350-Southwest Suburban Denver WSD\BASE\GIS\



VICINITY MAP

W Berry Ave		
7	12	17
8	13	18
9	14	19
1	3	5
2	4	6
10	15	20
11	16	

Legend

- Manholes
- Manhole Lining
- Sanitary Mains
- Main Improvements**
- CIPP
- Remove/Replace
- Service Taps
- Outside the District**
- Force Mains
- Gravity Mains

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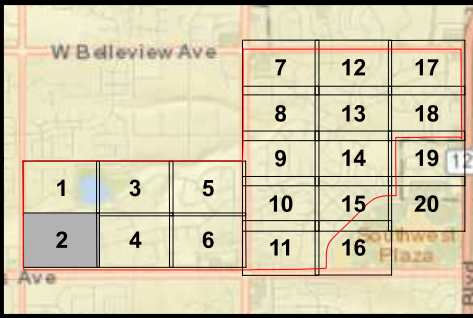
**SOUTHWEST SUBURBAN DENVER
 WATER & SANITATION DISTRICT
 SANITARY SEWER COLLECTION SYSTEM
 PHASE II CAPITAL IMPROVEMENTS**

No.	Description of Revisions	Date	Name

Date: NOVEMBER 2016
 Job Number: 14-0350
 Design By: JWM
 Drawn By: JWM
 Checked By: JAM

Sheet Number:
C-1

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors



- Legend**
- Manholes
 - Manhole Lining
 - Sanitary Mains
 - Main Improvements
 - CIPP
 - Remove/Replace
 - Service Taps
 - Outside the District
 - Force Mains
 - Gravity Mains

**SOUTHWEST SUBURBAN DENVER
WATER & SANITATION DISTRICT
SANITARY SEWER COLLECTION SYSTEM
PHASE II CAPITAL IMPROVEMENTS**

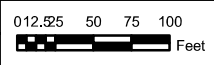
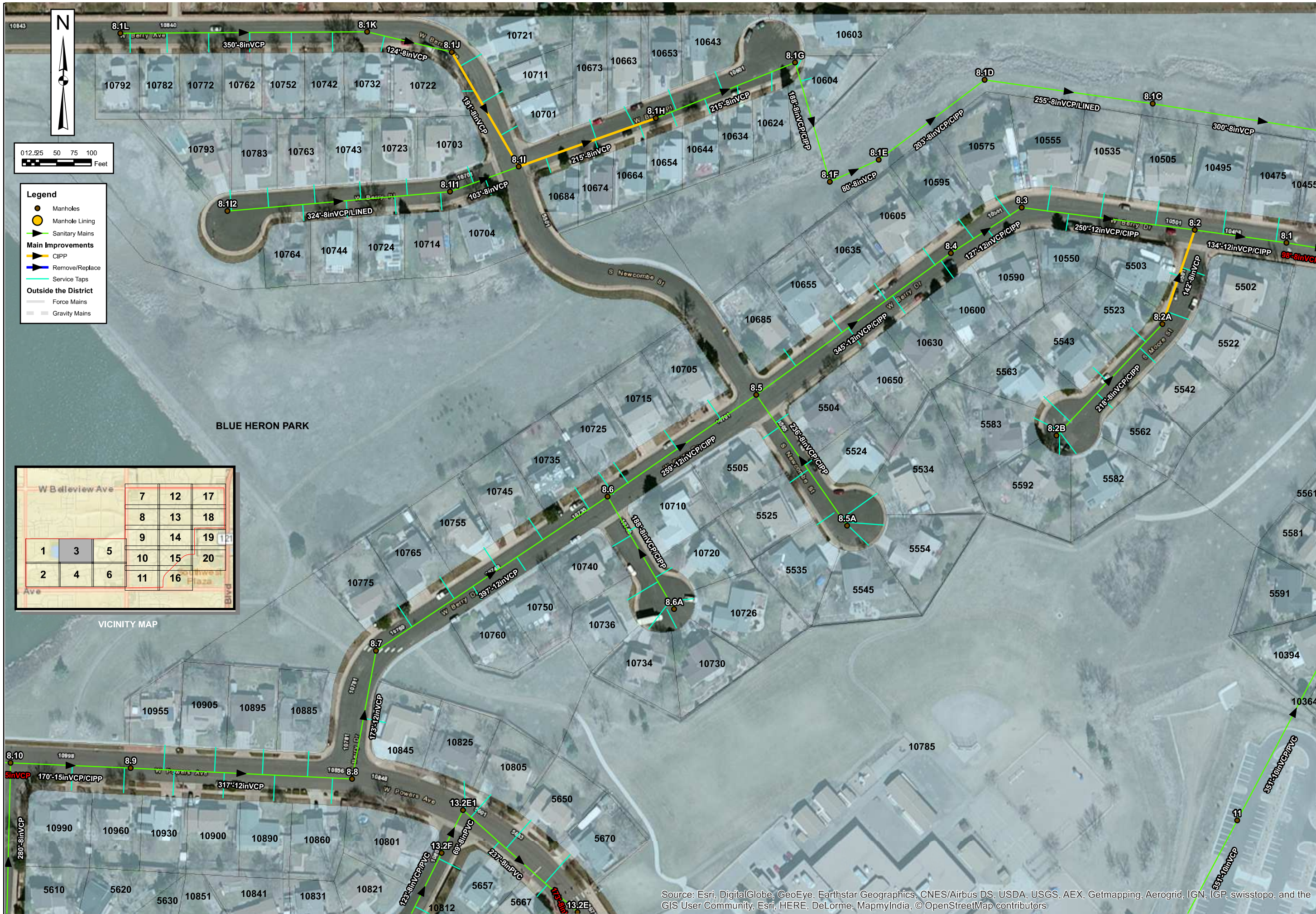
No.	Description of Revisions	Date	Name

Date: NOVEMBER 2016
Job Number: 14-0350
Design By: JWM
Drawn By: JWM
Checked By: JAM

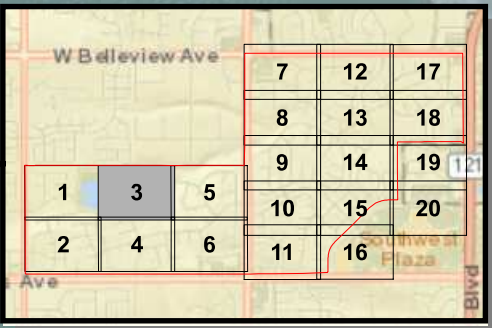
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GIS MAP INFORMATION
File Name: Sanitary Sewer Base.mxd
File Location: G:\Willis\14_0350-Southwest Suburban Denver WSD\BASE\GIS\



- Legend**
- Manholes
 - Manhole Lining
 - Sanitary Mains
 - Main Improvements**
 - CIPP
 - Remove/Replace
 - Service Taps
 - Outside the District**
 - Force Mains
 - Gravity Mains



**SOUTHWEST SUBURBAN DENVER
WATER & SANITATION DISTRICT
SANITARY SEWER COLLECTION SYSTEM
PHASE II CAPITAL IMPROVEMENTS**

No.	Description of Revisions	Date	Name

Date: NOVEMBER 2016
Job Number: 14-0350
Design By: JVM
Drawn By: JVM
Checked By: JAM

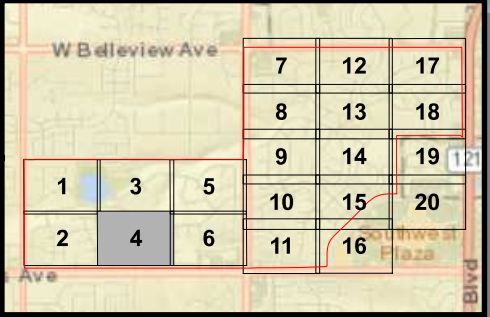
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Legend

- Manholes
- Manhole Lining
- Sanitary Mains
- Main Improvements**
 - CIPP
 - Remove/Replace
 - Service Taps
- Outside the District**
 - Force Mains
 - Gravity Mains



GIS MAP INFORMATION
 File Name: Sanitary Sewer Base.mxd
 File Location: G:\Willis\14_0350-Southwest Suburban Denver WSD\BASE\GIS\

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**SOUTHWEST SUBURBAN DENVER
 WATER & SANITATION DISTRICT
 SANITARY SEWER COLLECTION SYSTEM
 PHASE II CAPITAL IMPROVEMENTS**

No.	Description of Revisions	Date	Name

Date: NOVEMBER 2016
Job Number: 14-0350
Design By: JWM
Drawn By: JWM
Checked By: JAM
Sheet Number:

C-4

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors



VICINITY MAP

W Bellevue Ave			
	7	12	17
	8	13	18
1	3	5	19
2	4	6	20

**SOUTHWEST SUBURBAN DENVER
 WATER & SANITATION DISTRICT
 SANITARY SEWER COLLECTION SYSTEM
 PHASE II CAPITAL IMPROVEMENTS**

No.	Description of Revisions	Date	Name

Date: NOVEMBER 2016
 Job Number: 14-0350
 Design By: JVM
 Drawn By: JVM
 Checked By: JAM

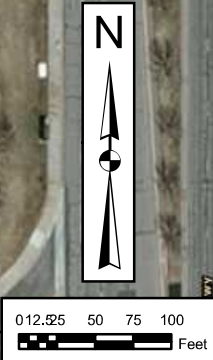
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Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors



VICINITY MAP

W Bellevue Ave		
7	12	17
8	13	18
9	14	19
1	3	5
2	4	6
10	15	20
11	16	



Legend

- Manholes
- Manhole Lining
- Sanitary Mains
- Main Improvements
 - CIPP
 - Remove/Replace
 - Service Taps
- Outside the District
 - Force Mains
 - Gravity Mains

**SOUTHWEST SUBURBAN DENVER
 WATER & SANITATION DISTRICT
 SANITARY SEWER COLLECTION SYSTEM
 PHASE II CAPITAL IMPROVEMENTS**

No.	Description of Revisions	Date	Name

Date: NOVEMBER 2016
 Job Number: 14-0350
 Design By: JVM
 Drawn By: JVM
 Checked By: JAM

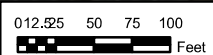
Sheet Number:
C-6

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors

W Belleview Ave		
7	12	17
8	13	18
9	14	19
1	3	5
2	4	6
10	15	20
11	16	

VICINITY MAP

GIS MAP INFORMATION
 File Name: Sanitary Sewer_Base.mxd
 File Location: G:\Willis\14_0350-Southwest Suburban Denver WSD\BASE\GIS\



- Legend**
- Manholes
 - Manhole Lining
 - Sanitary Mains
 - CIPP
 - Remove/Replace
 - Service Taps
 - Outside the District
 - Force Mains
 - Gravity Mains



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

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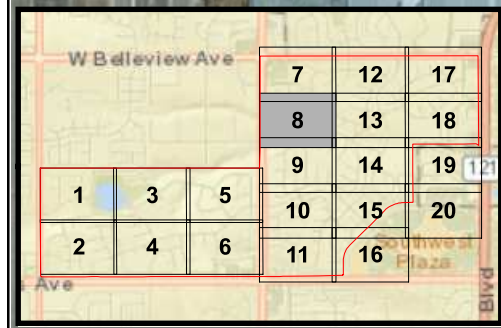
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SANITARY SEWER COLLECTION SYSTEM
PHASE II CAPITAL IMPROVEMENTS**

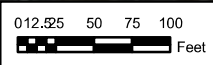
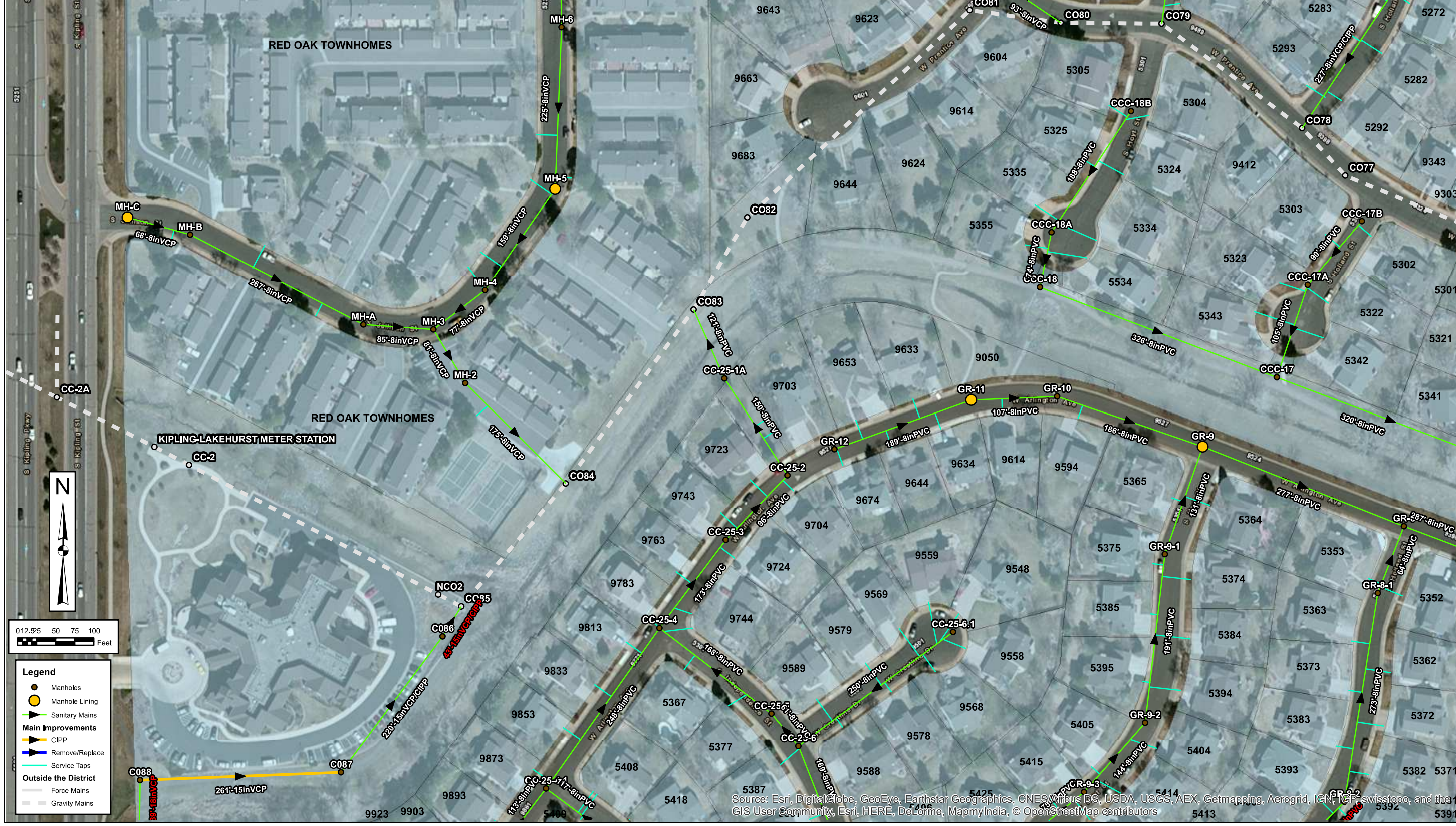
No.	Description of Revisions	Date	Name

Date: NOVEMBER 2016
 Job Number: 14-0350
 Design By: JWM
 Drawn By: JWM
 Checked By: JAM

Sheet Number:
C-7



VICINITY MAP



Legend

- Manholes
- Manhole Lining
- Sanitary Mains
- Main Improvements**
 - CIPP
 - Remove/Replace
 - Service Taps
- Outside the District**
 - Force Mains
 - Gravity Mains

GIS MAP INFORMATION
 File Name: Sanitary Sewer Base.mxd
 File Location: G:\Willis\14_0350-Southwest Suburban Denver WSD\BASE\GIS

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors

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SOUTHWEST SUBURBAN DENVER WATER & SANITATION DISTRICT SANITARY SEWER COLLECTION SYSTEM PHASE II CAPITAL IMPROVEMENTS

No.	Description of Revisions	Date	Name

Date: NOVEMBER 2016
 Job Number: 14-0350
 Design By: JVM
 Drawn By: JVM
 Checked By: JAM

Sheet Number:
C-8



GIS MAP INFORMATION
 File Name: Sanitary Sewer Base.mxd
 File Location: G:\Willis\14_0350-Southwest Suburban Denver WSD\BASE\GIS\

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors

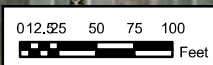
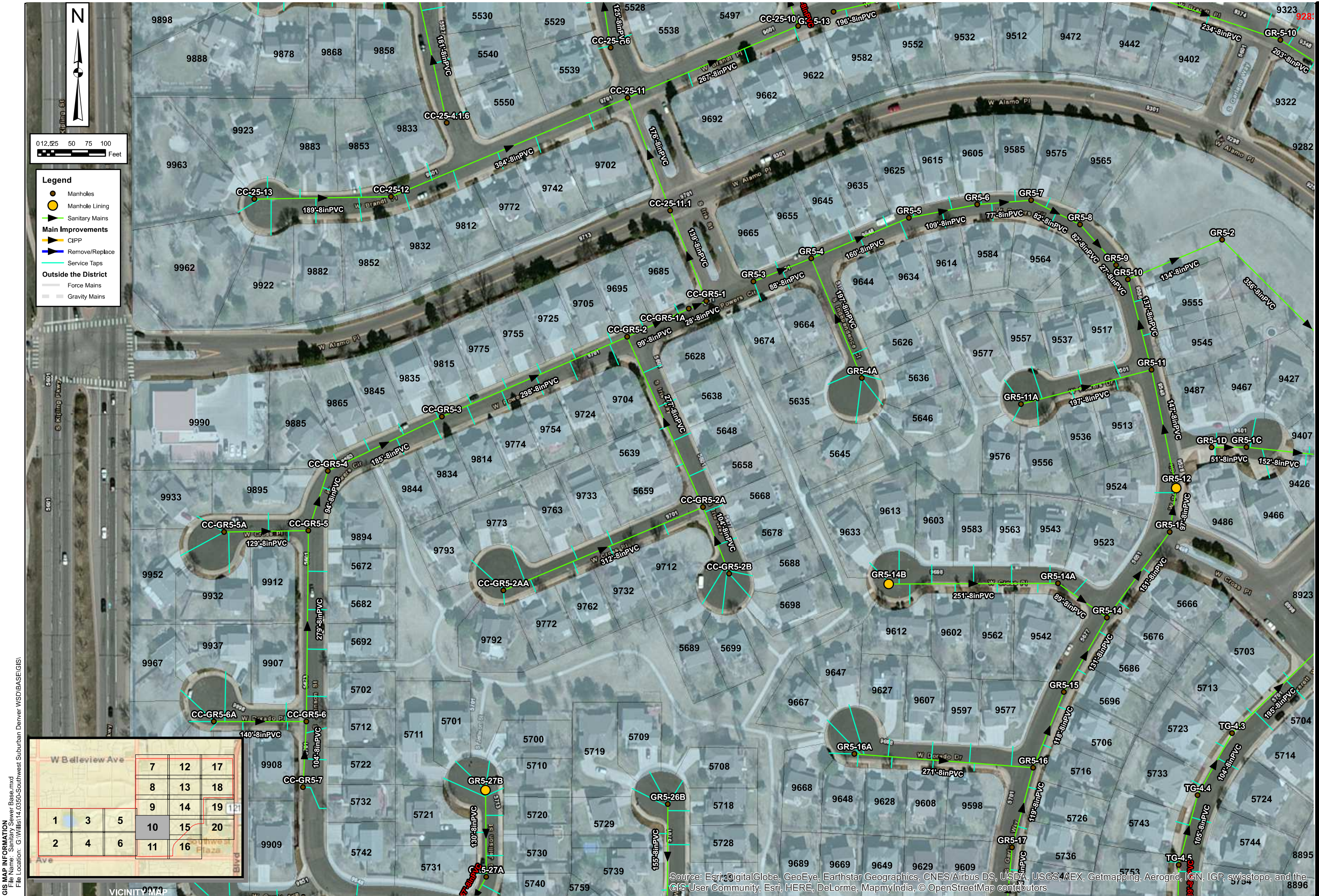
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**SOUTHWEST SUBURBAN DENVER
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 PHASE II CAPITAL IMPROVEMENTS**

No.	Description of Revisions	Date	Name

Date: NOVEMBER 2016
 Job Number: 14-0350
 Design By: JWM
 Drawn By: JWM
 Checked By: JAM

Sheet Number:
C-9



- Legend**
- Manholes
 - Manhole Lining
 - Sanitary Mains
 - Main Improvements
 - CIPP
 - Remove/Replace
 - Service Taps
 - Outside the District
 - Force Mains
 - Gravity Mains

VICINITY MAP

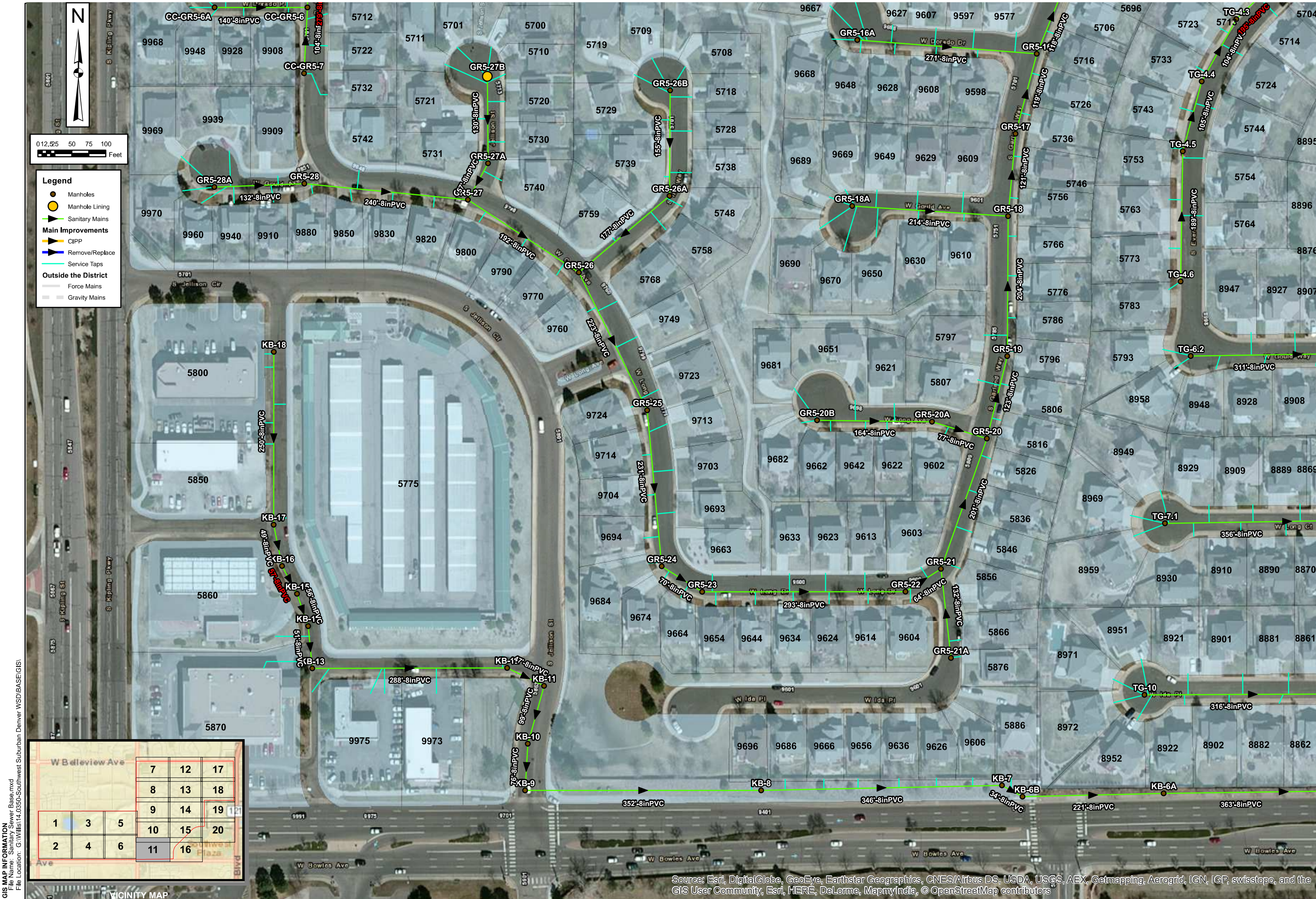
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1	3	5	10
2	4	6	11
			15
			16
			20

**SOUTHWEST SUBURBAN DENVER
WATER & SANITATION DISTRICT
SANITARY SEWER COLLECTION SYSTEM
PHASE II CAPITAL IMPROVEMENTS**

No.	Description of Revisions	Date	Name

Date: NOVEMBER 2016
Job Number: 14-0350
Design By: JWM
Drawn By: JWM
Checked By: JAM

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors



Legend

- Manholes
- Manhole Lining
- Sanitary Mains
- Main Improvements**
 - CIPP
 - Remove/Replace
 - Service Taps
- Outside the District**
 - Force Mains
 - Gravity Mains

VICINITY MAP

W Belleview Ave			
	7	12	17
	8	13	18
	9	14	19
1	3	5	10
2	4	6	11
	15	16	20

**SOUTHWEST SUBURBAN DENVER
WATER & SANITATION DISTRICT
SANITARY SEWER COLLECTION SYSTEM
PHASE II CAPITAL IMPROVEMENTS**

No.	Description of Revisions	Date	Name

Date: NOVEMBER 2016
Job Number: 14-0350
Design By: JWM
Drawn By: JWM
Checked By: JAM

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors

GIS MAP INFORMATION
File Name: Sanitary Sewer Base.mxd
File Location: G:\Willis\14_0350-Southwest Suburban Denver WSD\BASE\GIS\



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SANITARY SEWER COLLECTION SYSTEM
PHASE II CAPITAL IMPROVEMENTS**

No.	Description of Revisions	Date	Name

Date: NOVEMBER 2016
Job Number: 14-0350
Design By: JWM
Drawn By: JWM
Checked By: JAM

Sheet Number:
C-12

GIS MAP INFORMATION
File Name: Sanitary Sewer Base.mxd
File Location: G:\Willis\14_0350-Southwest Suburban Denver WSD\BASE\GIS\

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**SOUTHWEST SUBURBAN DENVER
WATER & SANITATION DISTRICT**
SANITARY SEWER COLLECTION SYSTEM
PHASE II CAPITAL IMPROVEMENTS



Legend

- Manholes
- Manhole Lining
- Sanitary Mains
- Main Improvements
- CIPP
- Remove/Replace
- Service Taps
- Outside the District
- Force Mains
- Gravity Mains

VICINITY MAP

W Bellevue Ave			7	12	17
			8	13	18
			9	14	19
1	3	5	10	15	20
2	4	6	11	16	

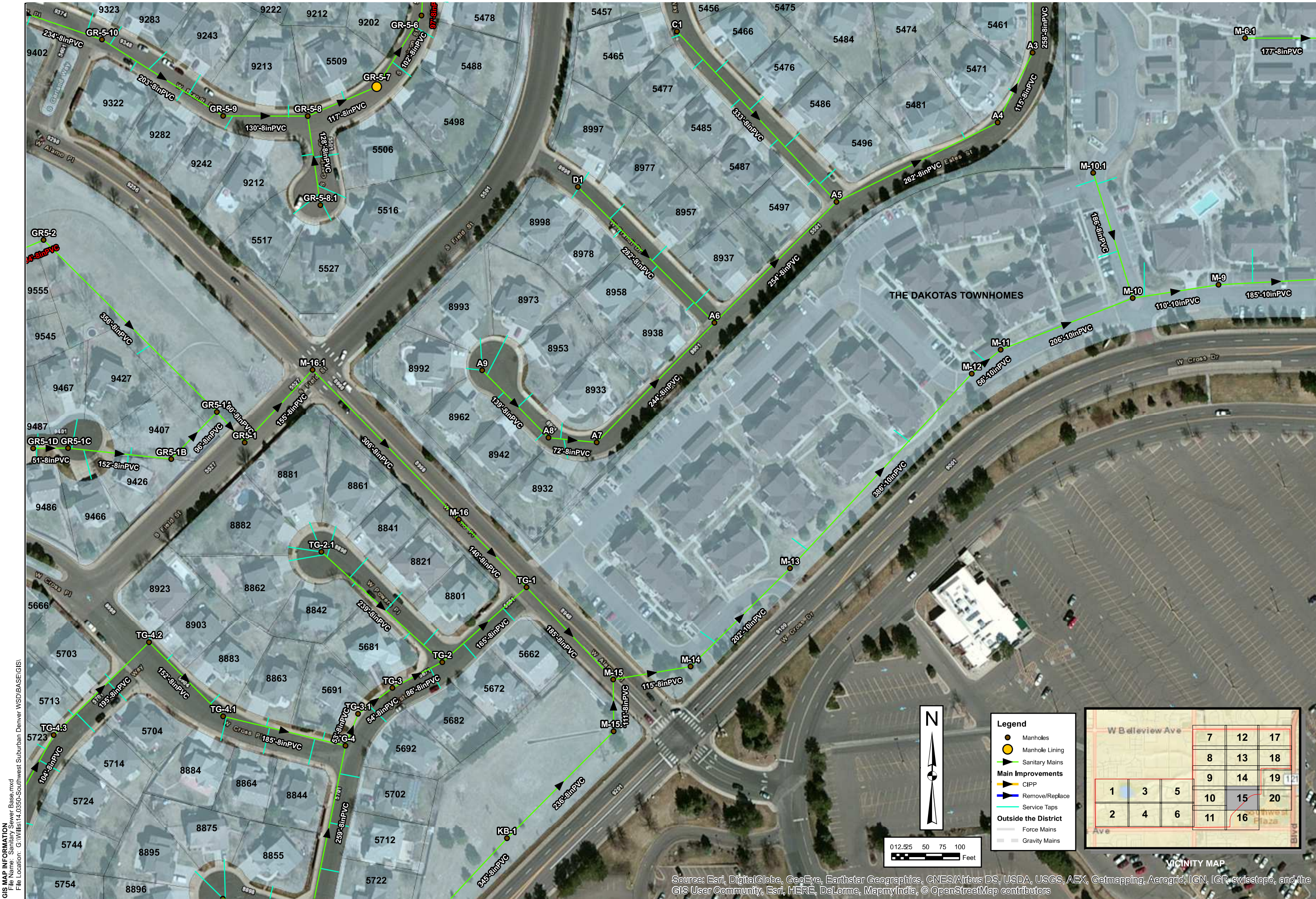
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No.	Description of Revisions	Date	Name

Date: NOVEMBER 2016
Job Number: 14.0350
Design By: JVM
Drawn By: JVM
Checked By: JAM

Sheet Number: **C-13**

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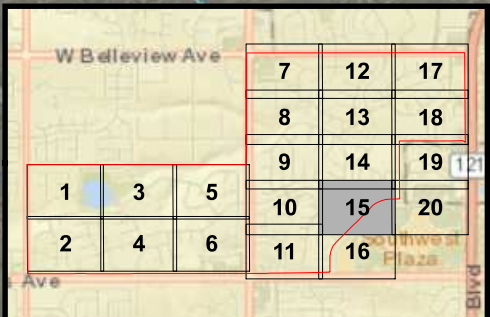
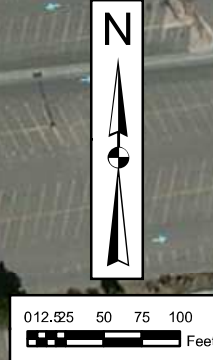
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**SOUTHWEST SUBURBAN DENVER
 WATER & SANITATION DISTRICT
 SANITARY SEWER COLLECTION SYSTEM
 PHASE II CAPITAL IMPROVEMENTS**

No.	Description of Revisions	Date	Name

Date: NOVEMBER 2016
 Job Number: 14.0350
 Design By: JWM
 Drawn By: JWM
 Checked By: JAM
 Sheet Number:
C-15

- Legend**
- Manholes
 - Manhole Lining
 - Sanitary Mains
 - Main Improvements**
 - CIPP
 - Remove/Replace
 - Service Taps
 - Outside the District**
 - Force Mains
 - Gravity Mains

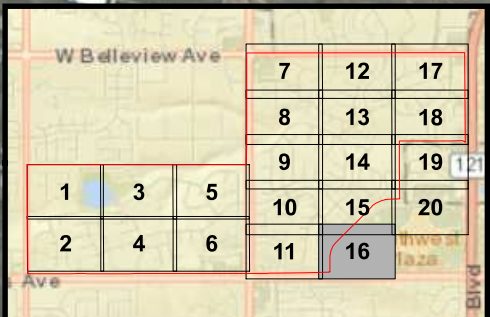


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GIS MAP INFORMATION
 File Name: Sanitary Sewer Base.mxd
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- Legend**
- Manholes
 - Manhole Lining
 - Sanitary Mains
 - Main Improvements**
 - CIPP
 - Remove/Replace
 - Service Taps
 - Outside the District**
 - Force Mains
 - Gravity Mains

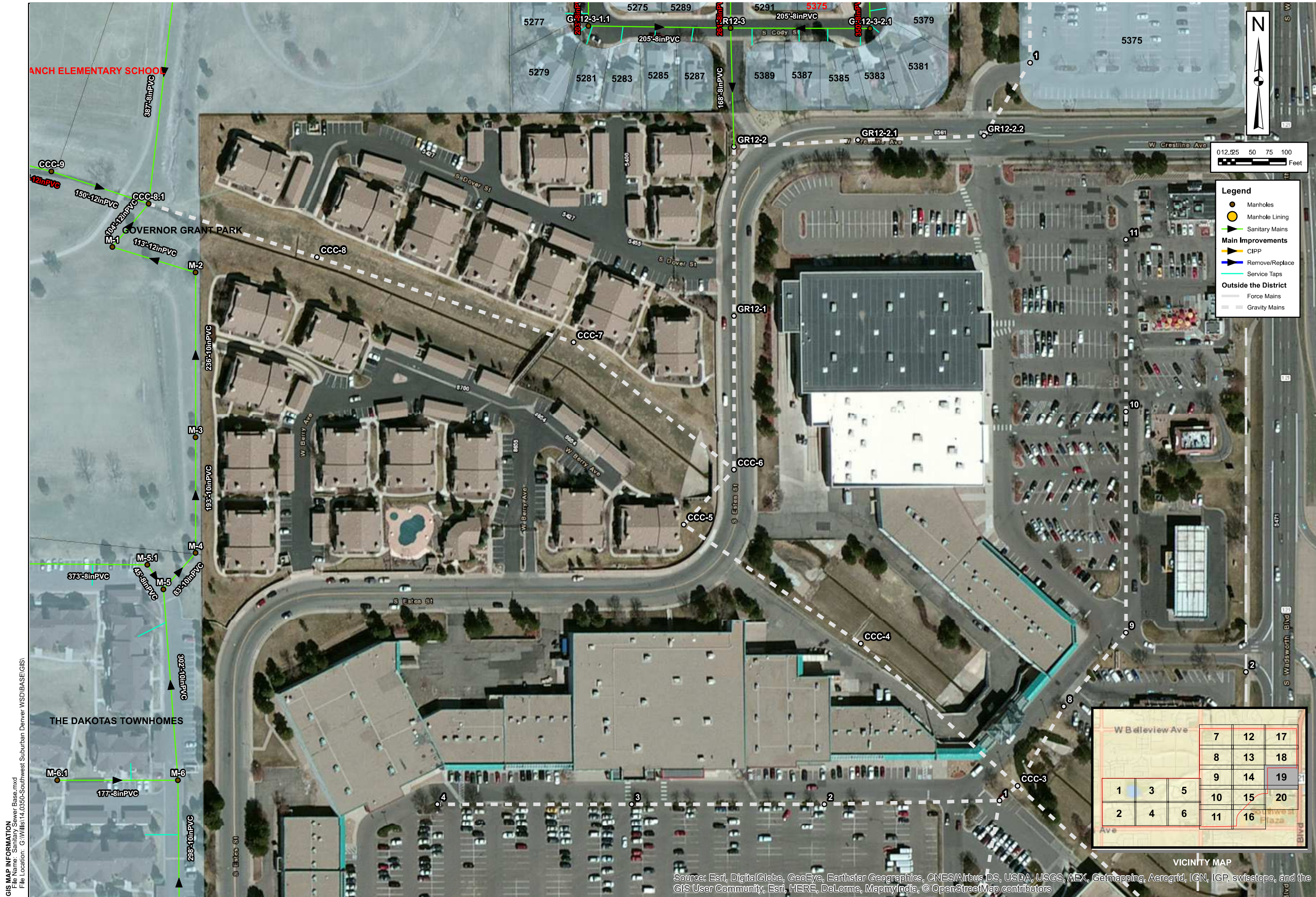


**SOUTHWEST SUBURBAN DENVER
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 SANITARY SEWER COLLECTION SYSTEM
 PHASE II CAPITAL IMPROVEMENTS**

No.	Description of Revisions	Date	Name

Date: NOVEMBER 2016
 Job Number: 14-0350
 Design By: JVM
 Drawn By: JVM
 Checked By: JAM

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors



Legend

- Manholes
- Manhole Lining
- Sanitary Mains
- Main Improvements
- CIPP
- Remove/Replace
- Service Taps
- Outside the District
- Force Mains
- Gravity Mains

VICINITY MAP

			W Bellview Ave		
			7	12	17
			8	13	18
			9	14	19
1	3	5	10	15	20
2	4	6	11	16	
			S Wadsworth Blvd		

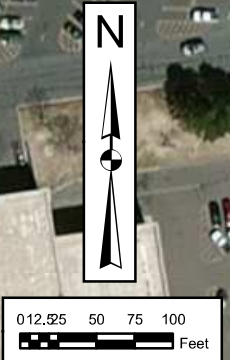
**SOUTHWEST SUBURBAN DENVER
WATER & SANITATION DISTRICT
SANITARY SEWER COLLECTION SYSTEM
PHASE II CAPITAL IMPROVEMENTS**

No.	Description of Revisions	Date	Name

Date: NOVEMBER 2016
 Job Number: 14-0350
 Design By: JVM
 Drawn By: JVM
 Checked By: JAM

GIS MAP INFORMATION
 File Name: Sanitary Sewer Base.mxd
 File Location: G:\Willis\14_0350-Southwest Suburban Denver WSD\BASE\GIS\

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors



Legend

- Manholes
- Manhole Lining
- Sanitary Mains
- Main Improvements**
- CIPP
- Remove/Replace
- Service Taps
- Outside the District**
- Force Mains
- Gravity Mains

VICINITY MAP

W Balview Ave			
	7	12	17
	8	13	18
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1	3	5	10
2	4	6	11
			15
			16
			20
			S Wadsworth Blvd

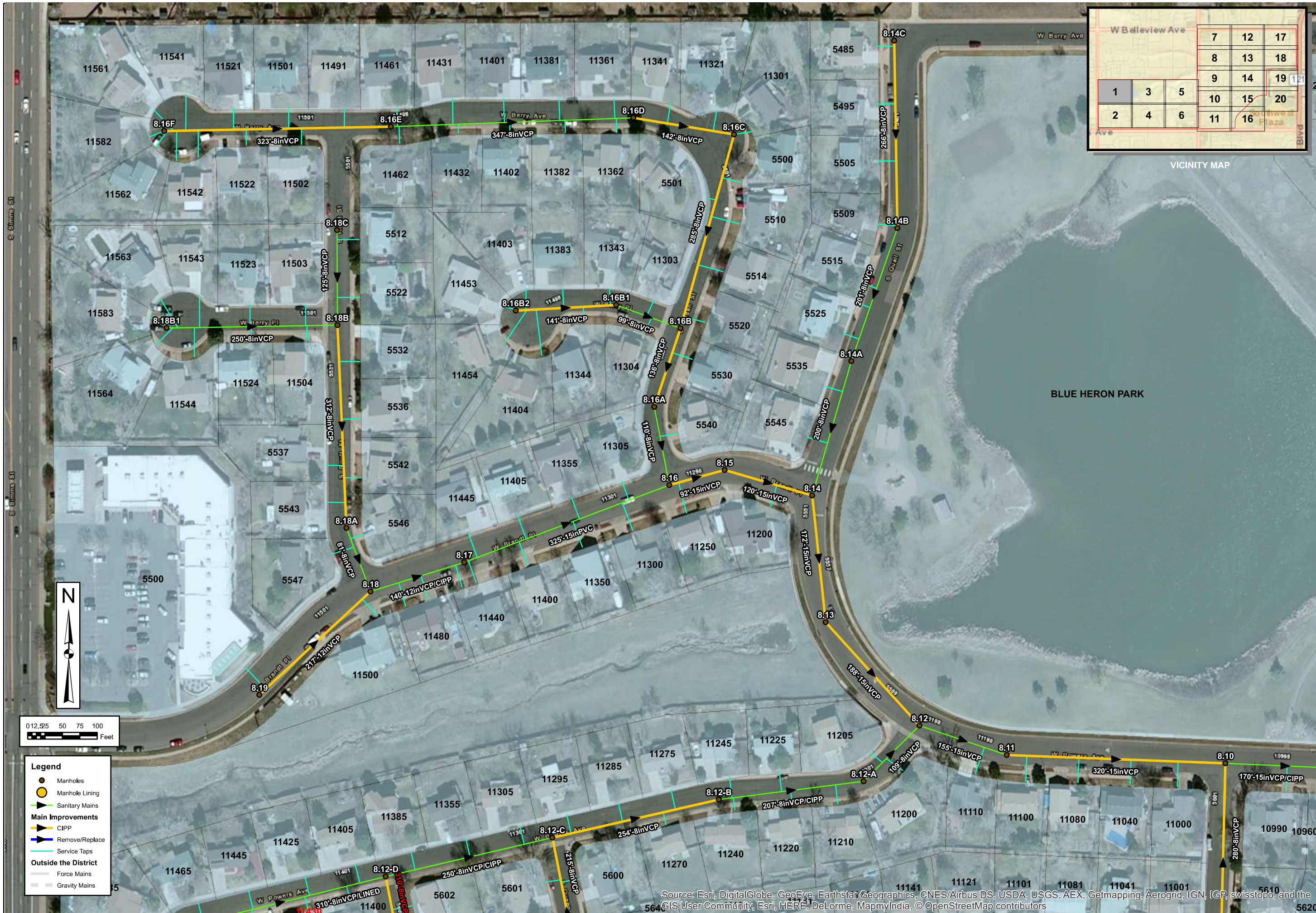
**SOUTHWEST SUBURBAN DENVER
 WATER & SANITATION DISTRICT
 SANITARY SEWER COLLECTION SYSTEM
 PHASE II CAPITAL IMPROVEMENTS**

No.	Description of Revisions	Date	Name

Date: NOVEMBER 2016
 Job Number: 14.0350
 Design By: JVM
 Drawn By: JVM
 Checked By: JAM

APPENDIX D – PHASE III CAPITAL IMPROVEMENTS





VICINITY MAP

W Berry Ave		
7	12	17
8	13	18
9	14	19
1	3	5
2	4	6
10	15	20
11	16	

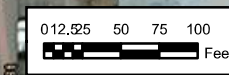
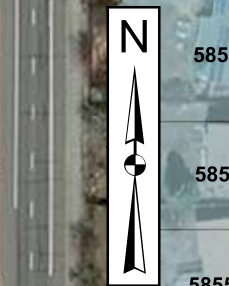
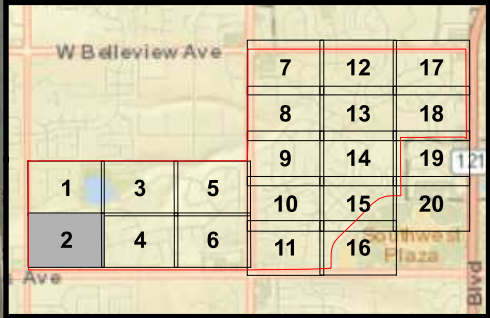
**SOUTHWEST SUBURBAN DENVER
 WATER & SANITATION DISTRICT
 SANITARY SEWER COLLECTION SYSTEM
 PHASE III CAPITAL IMPROVEMENTS**

No.	Description of Revisions	Date	Name

Date: NOVEMBER 2016
 Job Number: 14-0350
 Design By: JWM
 Drawn By: JWM
 Checked By: JAM

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors

GIS MAP INFORMATION
File Name: Sanitary Sewer Base.mxd
File Location: G:\Willis\14_0350-Southwest Suburban Denver WSD\BASE\GIS\



Legend	
	Manholes
	Manhole Lining
	Sanitary Mains
	Main Improvements
	CIPP
	Remove/Replace
	Service Taps
Outside the District	
	Force Mains
	Gravity Mains

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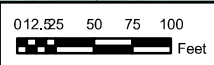
**SOUTHWEST SUBURBAN DENVER
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SANITARY SEWER COLLECTION SYSTEM
PHASE III CAPITAL IMPROVEMENTS**

No.	Description of Revisions	Date	Name

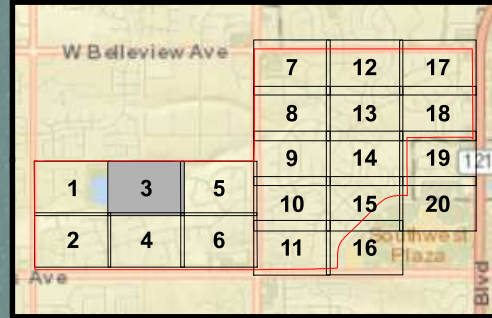
Date: NOVEMBER 2016
Job Number: 14-0350
Design By: JWM
Drawn By: JWM
Checked By: JAM

Sheet Number: **D-2**

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors



- Legend**
- Manholes
 - Manhole Lining
 - Sanitary Mains
 - Main Improvements
 - CIPP
 - Remove/Replace
 - Service Taps
 - Outside the District
 - Force Mains
 - Gravity Mains



**SOUTHWEST SUBURBAN DENVER
WATER & SANITATION DISTRICT
SANITARY SEWER COLLECTION SYSTEM
PHASE III CAPITAL IMPROVEMENTS**

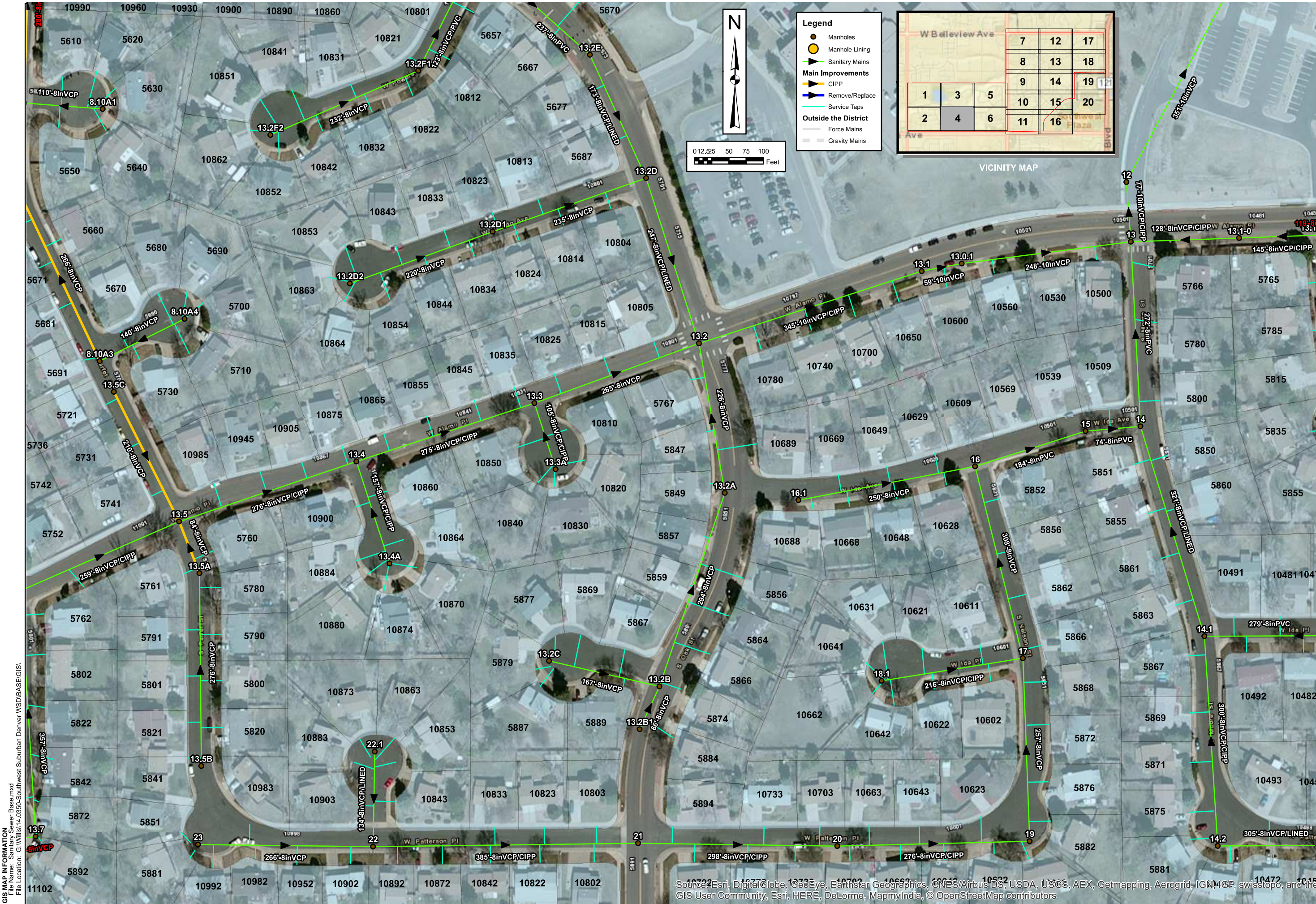
No.	Description of Revisions	Date	Name

Date: NOVEMBER 2016
Job Number: 14-0350
Design By: JVM
Drawn By: JVM
Checked By: JAM

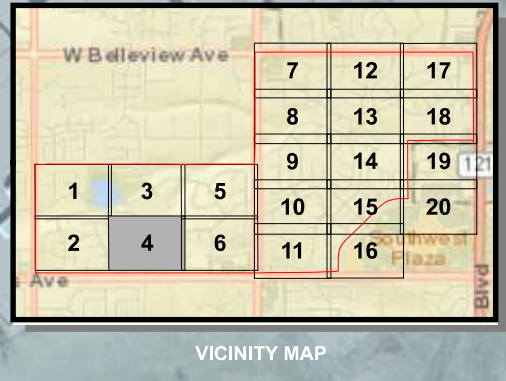
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GIS MAP INFORMATION
File Name: Sanitary Sewer Base.mxd
File Location: G:\Willis\14_0350-Southwest Suburban Denver WSD(BASE)\GIS\

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors



- Legend**
- Manholes
 - Manhole Lining
 - Sanitary Mains
- Main Improvements**
- CIPP
 - Remove/Replace
 - Service Taps
- Outside the District**
- Force Mains
 - Gravity Mains



GIS MAP INFORMATION
 File Name: Sanitary Sewer Base.mxd
 File Location: G:\Willis\14_0350-Southwest Suburban Denver WSD\BASE\GIS\


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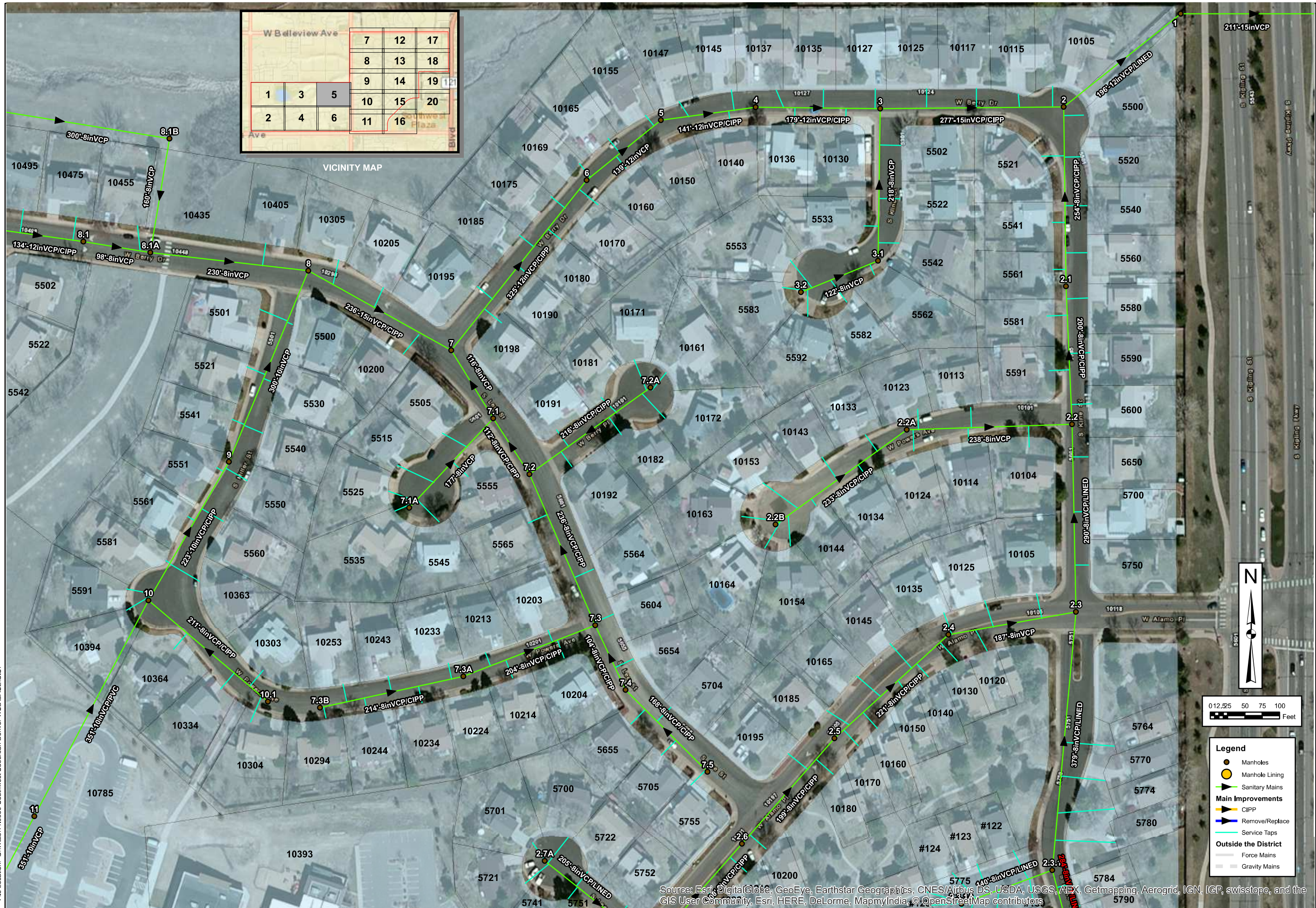
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No.	Description of Revisions	Date	Name

Date: NOVEMBER 2016
Job Number: 14-0350
Design By: JVM
Drawn By: JVM
Checked By: JAM
Sheet Number:

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D-4



VICINITY MAP

W Bellevue Ave					
	7	12	17		
	8	13	18		
	9	14	19		
1	3	5	10	15	20
2	4	6	11	16	
AVE					

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PHASE III CAPITAL IMPROVEMENTS

No.	Date	Description of Revisions

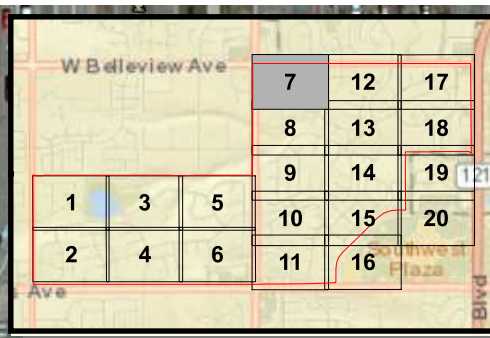
Date: NOVEMBER 2016
Job Number: 14-0350
Design By: JVM
Drawn By: JVM
Checked By: JAM

Sheet Number:

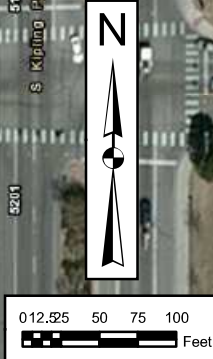
D-5

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GIS MAP INFORMATION
 File Name: Sanitary Sewer Base.mxd
 File Location: G:\Willis\14_0350-Southwest Suburban Denver WSD\BASE\GIS\



VICINITY MAP



Legend

- Manholes
- Manhole Lining
- Sanitary Mains
- ▶ Main Improvements
- ▶ CIPP
- ▶ Remove/Replace
- Service Taps
- Outside the District
- Force Mains
- Gravity Mains

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

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 PHASE III CAPITAL IMPROVEMENTS**

No.	Description of Revisions	Date	Name

Date: NOVEMBER 2016
 Job Number: 14-0350
 Design By: JWM
 Drawn By: JWM
 Checked By: JAM

Sheet Number:
D-7

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	8	13	18
	9	14	19
1	3	5	10
2	4	6	11
	15	16	20

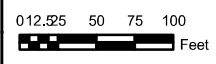
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RED OAK TOWNHOMES

RED OAK TOWNHOMES

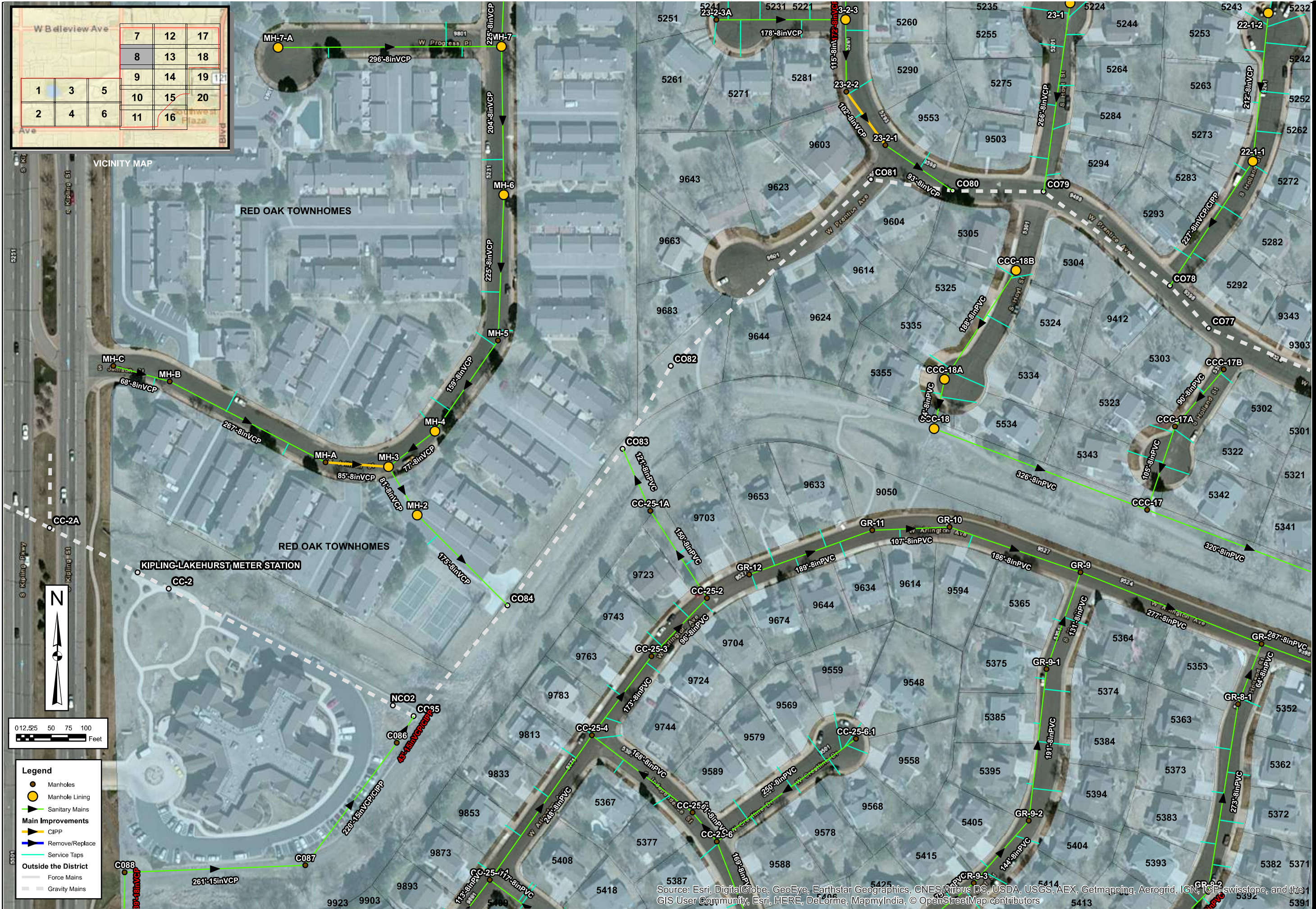
KIPLING-LAKEHURST METER STATION

GIS MAP INFORMATION
 File Name: Sanitary Sewer Base.mxd
 File Location: G:\Willis\14_0350-Southwest Suburban Denver WSD\BASE\GIS



Legend

- Manholes
- Manhole Lining
- Sanitary Mains
- Main Improvements
- CIPP
- Remove/Replace
- Service Taps
- Outside the District
- Force Mains
- Gravity Mains



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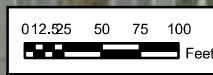
**SOUTHWEST SUBURBAN DENVER
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 PHASE III CAPITAL IMPROVEMENTS**

No.	Description of Revisions	Date	Name

Date: NOVEMBER 2016
 Job Number: 14-0350
 Design By: JWM
 Drawn By: JWM
 Checked By: JAM

Sheet Number:
D-8

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- Legend**
- Manholes
 - Manhole Lining
 - Sanitary Mains
 - Main Improvements
 - CIPP
 - Remove/Replace
 - Service Taps
 - Outside the District
 - Force Mains
 - Gravity Mains

VICINITY MAP

W Bellevue Ave			7	12	17
			8	13	18
			9	14	19
1	3	5	10	15	20
2	4	6	11	16	

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PHASE III CAPITAL IMPROVEMENTS

No.	Description of Revisions	Date	Name

Date: NOVEMBER 2016
 Job Number: 14-0350
 Design By: JWM
 Drawn By: JWM
 Checked By: JAM

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors

GIS MAP INFORMATION
 File Name: Sanitary Sewer Base.mxd
 File Location: G:\Willis\14_0350-Southwest Suburban Denver WSD\BASE\GIS\



Legend

- Manholes
- Manhole Lining
- Sanitary Mains
- Main Improvements**
- ▲ CIPP
- Remove/Replace
- Service Taps
- Outside the District**
- Force Mains
- Gravity Mains

VICINITY MAP

W Belleview Ave			
	7	12	17
	8	13	18
1	3	5	10
			15
			20
2	4	6	11
			16
W Colorado Blvd			

**SOUTHWEST SUBURBAN DENVER
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SANITARY SEWER COLLECTION SYSTEM
PHASE III CAPITAL IMPROVEMENTS

No.	Description of Revisions	Date	Name

Date: NOVEMBER 2016
Job Number: 14-0350
Design By: JWM
Drawn By: JWM
Checked By: JAM

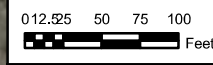
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Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors



Legend

- Manholes
- Manhole Lining
- Sanitary Mains
- Main Improvements**
 - CIPP
 - Remove/Replace
 - Service Taps
- Outside the District**
 - Force Mains
 - Gravity Mains



VICINITY MAP

W Bellevue Ave			
	7	12	17
	8	13	18
1	3	5	9
	10	14	15
2	4	6	11
	16	19	20

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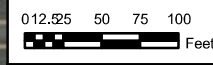
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PHASE III CAPITAL IMPROVEMENTS**

No.	Description of Revisions	Date	Name

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- Legend**
- Manholes
 - Manhole Lining
 - Sanitary Mains
 - Main Improvements**
 - CIPP
 - Remove/Replace
 - Service Taps
 - Outside the District**
 - Force Mains
 - Gravity Mains



W Belleview Ave

	7	12	17			
	8	13	18			
1	3	5	9	14	19	12
	10	15	20			
2	4	6	11	16		

Southwest Plaza Blvd

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PHASE III CAPITAL IMPROVEMENTS**

No.	Description of Revisions	Date	Name

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Job Number: 14-0350
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Drawn By: JVM
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 File Name: Sanitary Sewer Base.mxd
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 SANITARY SEWER COLLECTION SYSTEM
 PHASE III CAPITAL IMPROVEMENTS**

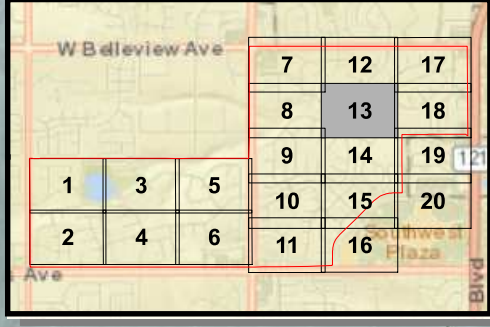
No.	Description of Revisions	Date	Name

Date: NOVEMBER 2016
 Job Number: 14.0350
 Design By: JVM
 Drawn By: JVM
 Checked By: JAM

Sheet Number:
D-13

Legend

- Manholes
- Manhole Lining
- Sanitary Mains
- Main Improvements
- CIPP
- Remove/Replace
- Service Taps
- Outside the District
- Force Mains
- Gravity Mains

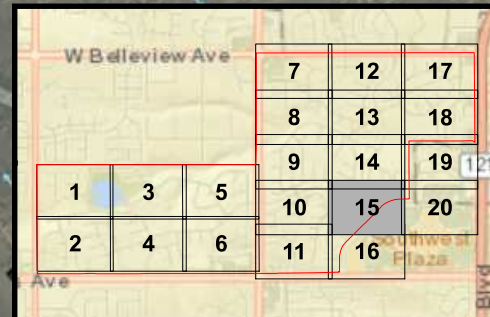


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GIS MAP INFORMATION
 File Name: Sanitary Sewer Base.mxd
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- Legend**
- Manholes
 - Manhole Lining
 - Sanitary Mains
 - Main Improvements
 - CIPP
 - Remove/Replace
 - Service Taps
 - Outside the District
 - Force Mains
 - Gravity Mains



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGR, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors

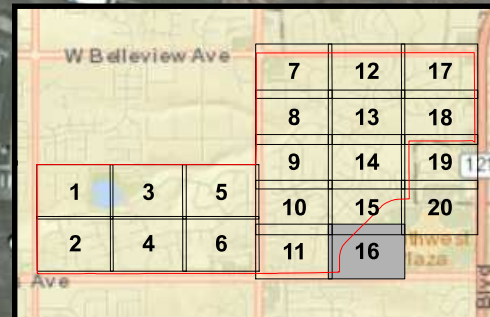
**SOUTHWEST SUBURBAN DENVER
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 PHASE III CAPITAL IMPROVEMENTS**

No.	Description of Revisions	Date	Name



GIS MAP INFORMATION
 File Name: Sanitary Sewer Base.mxd
 File Location: G:\Willis\14.0350-Southwest Suburban Denver WSD\BASE\GIS\

- Legend**
- Manholes
 - Manhole Lining
 - Sanitary Mains
 - Main Improvements**
 - CIPP
 - Remove/Replace
 - Service Taps
 - Outside the District**
 - Force Mains
 - Gravity Mains

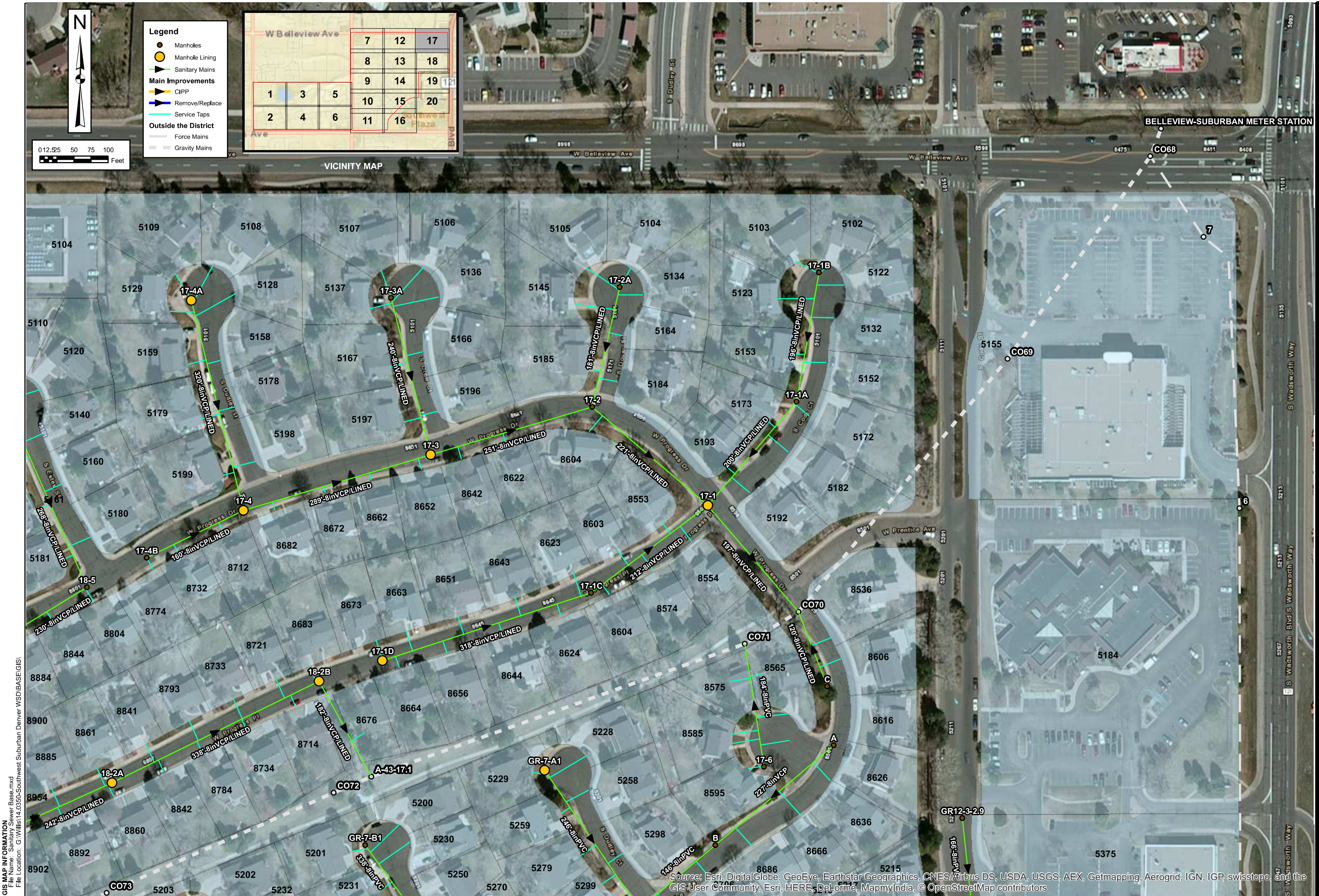


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 PHASE III CAPITAL IMPROVEMENTS**

No.	Description of Revisions	Date	Name

Date: NOVEMBER 2016
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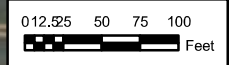
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors



- Legend**
- Manholes
 - Manhole Lining
 - ▲ Sanitary Mains
 - ▶ Main Improvements
 - ▶ CIPP
 - ▶ Remove/Replace
 - ▶ Service Taps
 - Outside the District
 - Force Mains
 - Gravity Mains

VICINITY MAP

W Bellevue Ave			
	7	12	17
	8	13	18
1	3	5	9
	10	14	19
2	4	6	11
	16		20



GIS MAP INFORMATION
 File Name: Sanitary Sewer Base.mxd
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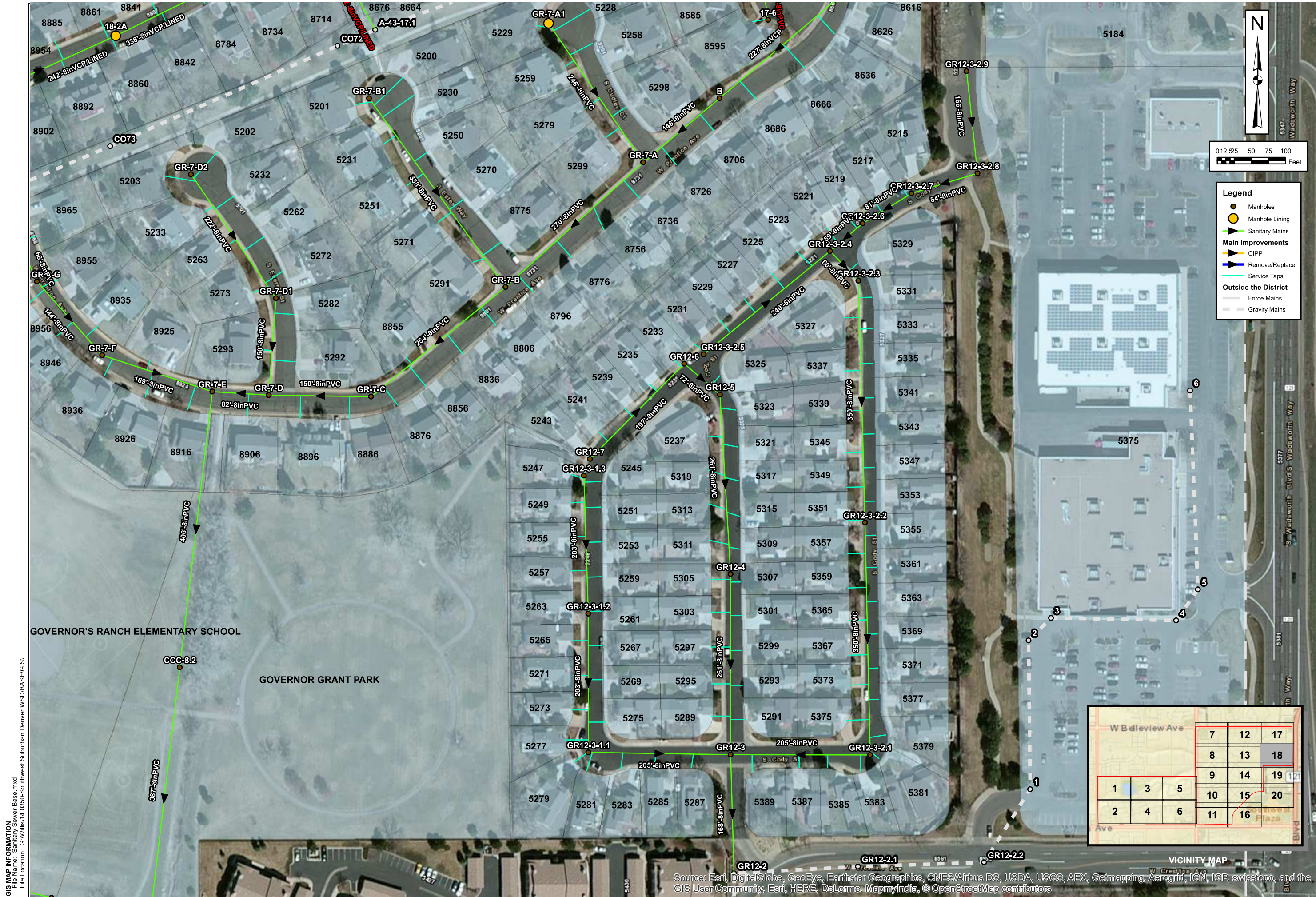
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 PHASE III CAPITAL IMPROVEMENTS**

No.	Description of Revisions	Date	Name

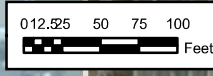
Date: NOVEMBER 2016
 Job Number: 14-0350
 Design By: JWM
 Drawn By: JWM
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 Sheet Number:
D-17

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Legend

- Manholes
- Manhole Lining
- Sanitary Mains
- Main Improvements**
- CIPP
- Remove/Replace
- Service Taps
- Outside the District**
- Force Mains
- Gravity Mains



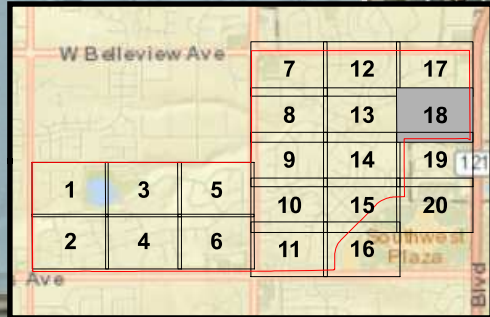
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PHASE III CAPITAL IMPROVEMENTS**

No.	Description of Revisions	Date	Name

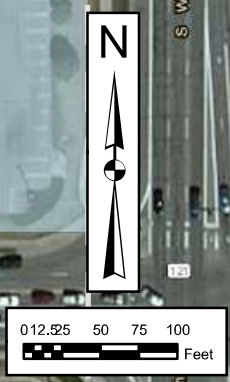
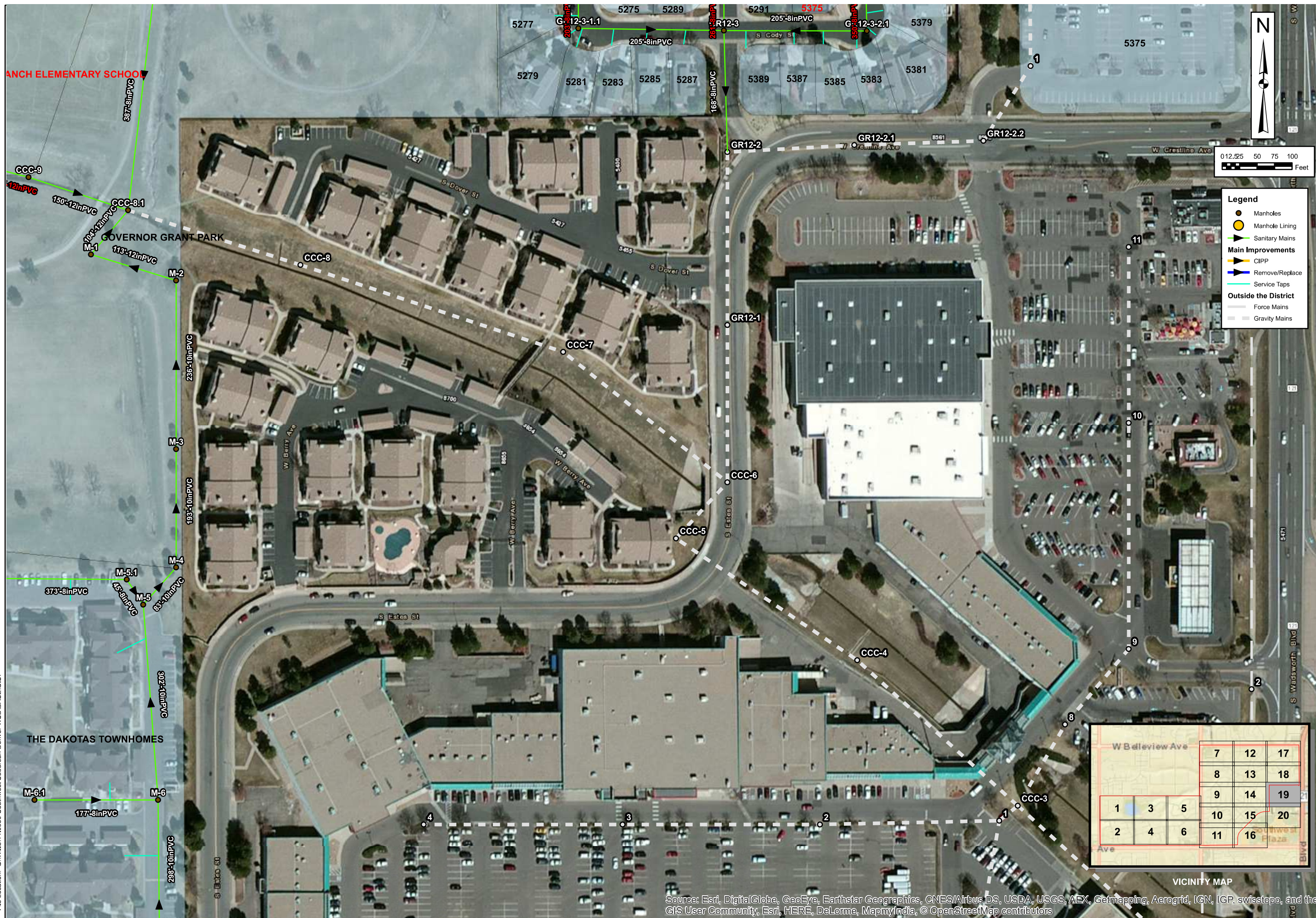


GIS MAP INFORMATION
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Job Number: 14-0350
Design By: JVM
Drawn By: JVM
Checked By: JAM

Sheet Number:
D-18



Legend

- Manholes
- Manhole Lining
- Sanitary Mains
- Main Improvements
- CIPP
- Remove/Replace
- Service Taps
- Outside the District
- Force Mains
- Gravity Mains

VICINITY MAP

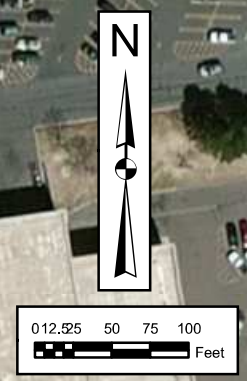
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			8	13	18
1	3	5	9	14	19
			10	15	20
2	4	6	11	16	

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors

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 PHASE III CAPITAL IMPROVEMENTS

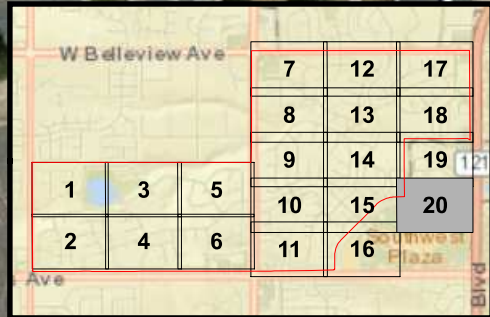
No.	Description of Revisions	Date	Name

Date: NOVEMBER 2016
 Job Number: 14-0350
 Design By: JWM
 Drawn By: JWM
 Checked By: JAM



Legend

- Manholes
- Manhole Lining
- ▲ Sanitary Mains
- Main Improvements**
- ▶ CIPP
- ▶ Remove/Replace
- ▶ Service Taps
- Outside the District**
- Force Mains
- Gravity Mains



VICINITY MAP

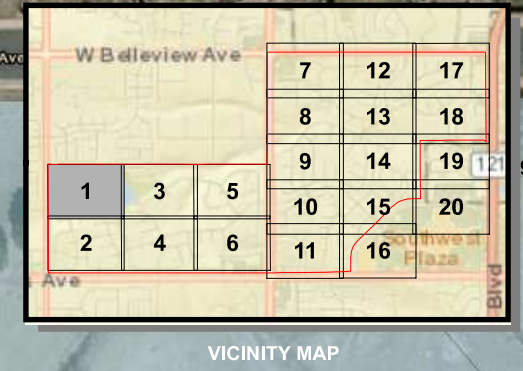
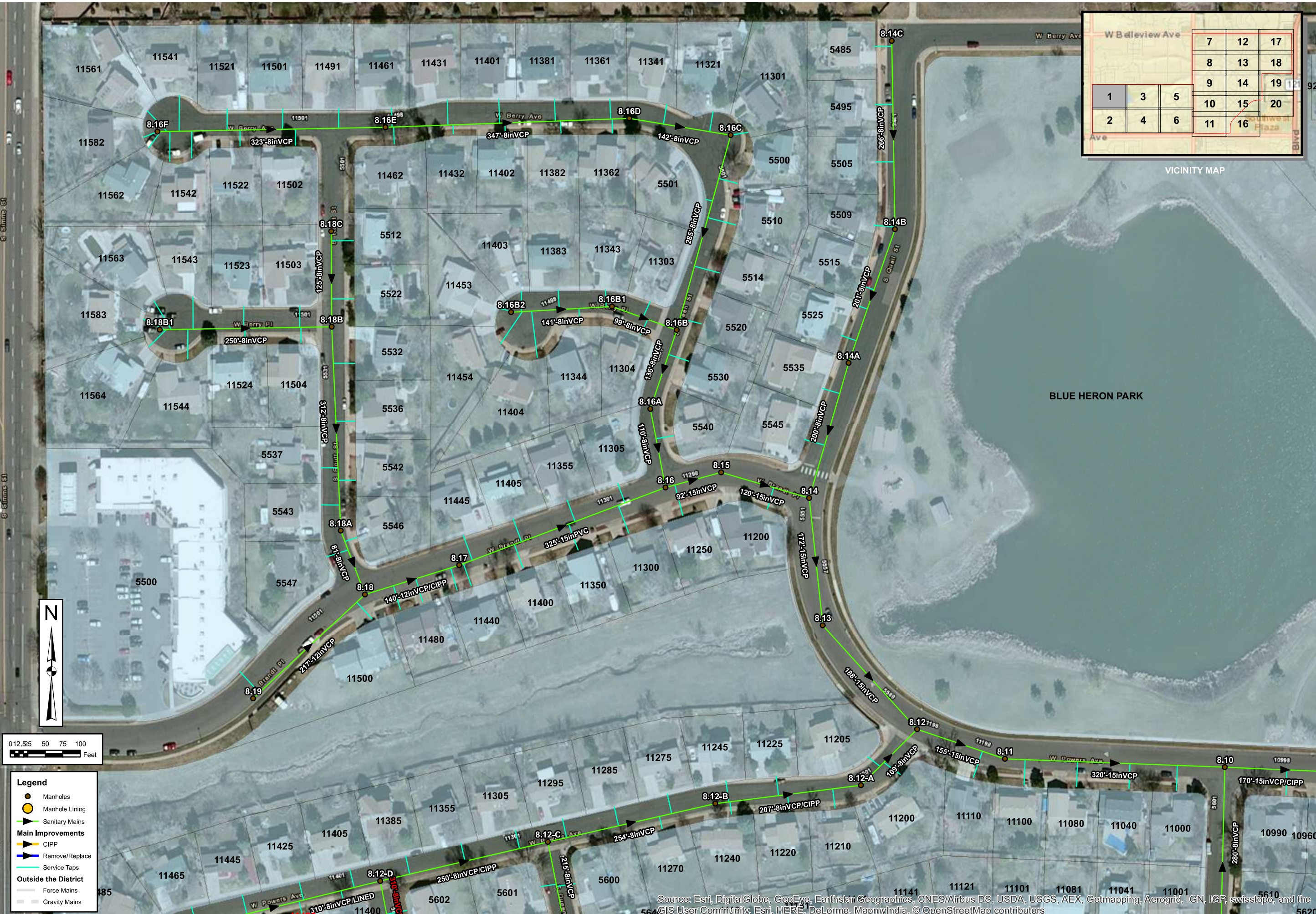
**SOUTHWEST SUBURBAN DENVER
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 SANITARY SEWER COLLECTION SYSTEM
 PHASE III CAPITAL IMPROVEMENTS**

No.	Description of Revisions	Date	Name

Date: NOVEMBER 2016
 Job Number: 14-0350
 Design By: JVM
 Drawn By: JVM
 Checked By: JAM

APPENDIX E – PHASE IV CAPITAL IMPROVEMENTS





Legend

- Manholes
- Manhole Lining
- ▶ Sanitary Mains
- ▶ CIPP
- ▶ Remove/Replace
- ▶ Service Taps
- Outside the District**
- ▶ Force Mains
- ▶ Gravity Mains

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors

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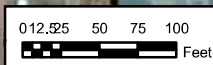
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 PHASE IV CAPITAL IMPROVEMENTS**

No.	Description of Revisions	Date	Name

Date: NOVEMBER 2016
Job Number: 14-0350
Design By: JWM
Drawn By: JWM
Checked By: JAM

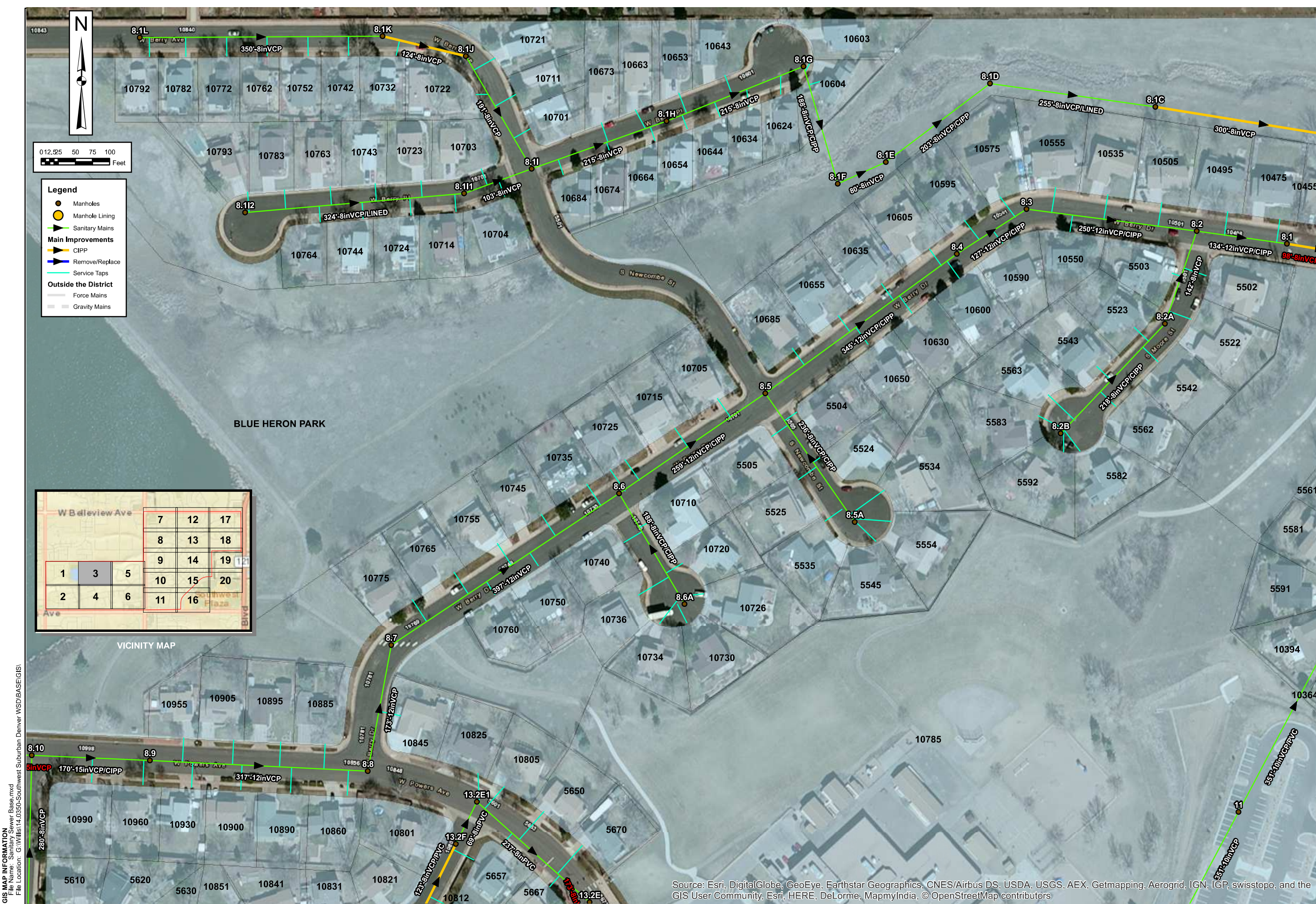


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	Manholes
	Manhole Lining
	Sanitary Mains
Main Improvements	
	CIPP
	Remove/Replace
	Service Taps
Outside the District	
	Force Mains
	Gravity Mains

**SOUTHWEST SUBURBAN DENVER
WATER & SANITATION DISTRICT
SANITARY SEWER COLLECTION SYSTEM
PHASE IV CAPITAL IMPROVEMENTS**

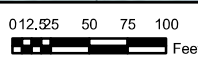
No.	Description of Revisions	Date	Name

Date: NOVEMBER 2016
Job Number: 14-0350
Design By: JWM
Drawn By: JWM
Checked By: JAM
Sheet Number: E-2



Legend

- Manholes
- Manhole Lining
- Sanitary Mains
- Main Improvements
- CIPP
- Remove/Replace
- Service Taps
- Outside the District
- Force Mains
- Gravity Mains



VICINITY MAP

W Balview Ave			7	12	17
			8	13	18
			9	14	19
1	3	5	10	15	20
2	4	6	11	16	

W Phoebe Ave

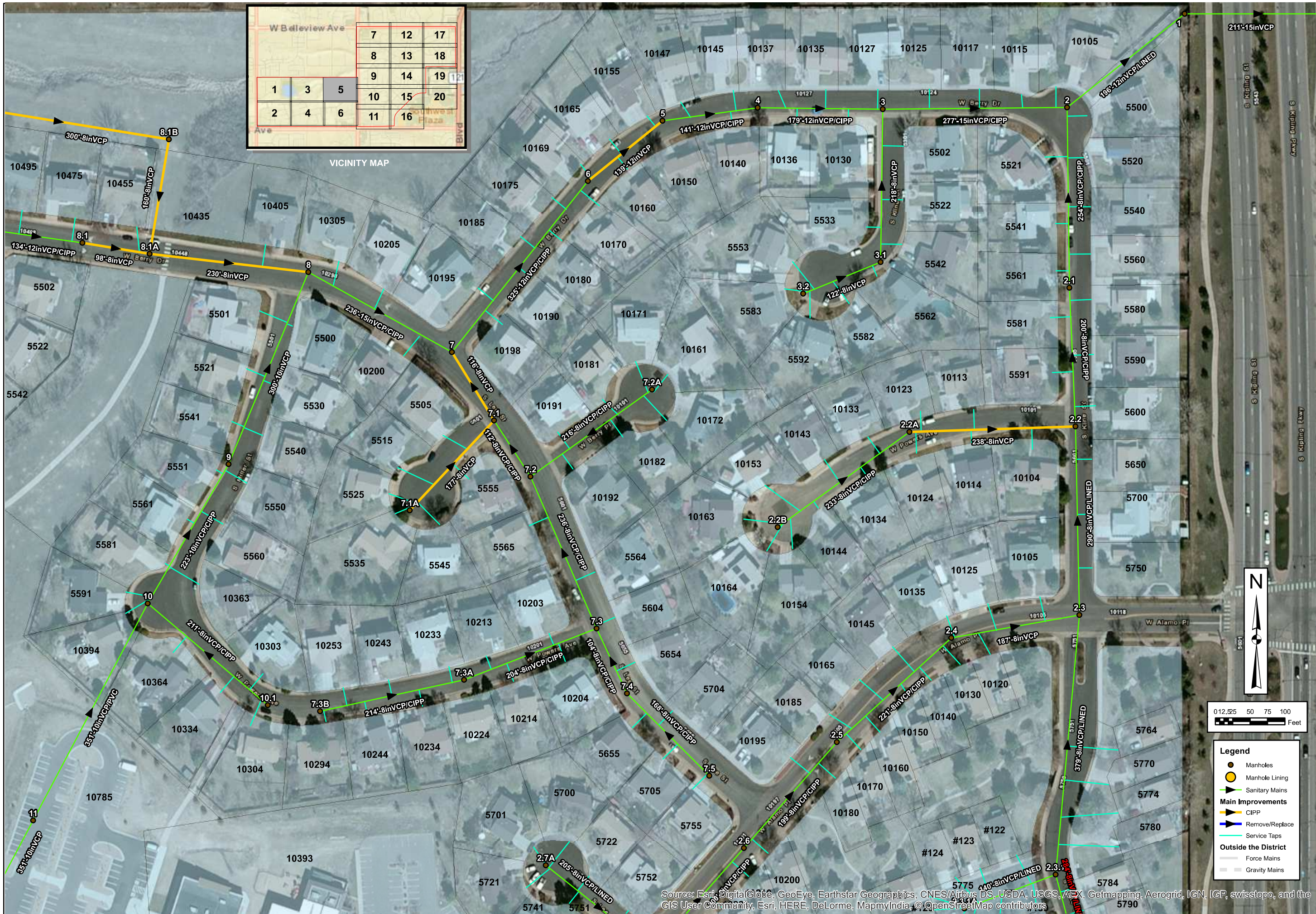
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Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors

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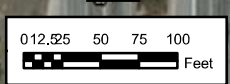
**SOUTHWEST SUBURBAN DENVER
 WATER & SANITATION DISTRICT
 SANITARY SEWER COLLECTION SYSTEM
 PHASE IV CAPITAL IMPROVEMENTS**

No.	Description of Revisions	Date	Name



VICINITY MAP

W Bellevue Ave			
	7	12	17
	8	13	18
	9	14	19
1	3	5	10
2	4	6	11
			15
			16
			20



Legend

- Manholes
- Manhole Lining
- Sanitary Mains
- Main Improvements
 - CIPP
 - Remove/Replace
- Service Taps
- Outside the District
 - Force Mains
 - Gravity Mains

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 WATER & SANITATION DISTRICT
 SANITARY SEWER COLLECTION SYSTEM
 PHASE IV CAPITAL IMPROVEMENTS**

No.	Description of Revisions	Date	Name

Date: NOVEMBER 2016
 Job Number: 14-0350
 Design By: JWM
 Drawn By: JWM
 Checked By: JAM

Sheet Number:
E-5

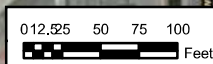
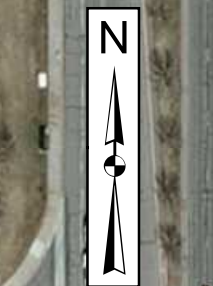
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors



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 File Location: G:\Willis\14.0350-Southwest Suburban Denver WSD\BASE\GIS\

VICINITY MAP

W Bellevue Ave			
	7	12	17
	8	13	18
1	3	5	9
	10	15	20
2	4	6	11
	16		



Legend

- Manholes
- Manhole Lining
- Sanitary Mains
- Main Improvements
 - CIPP
 - Remove/Replace
 - Service Taps
- Outside the District
 - Force Mains
 - Gravity Mains

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors

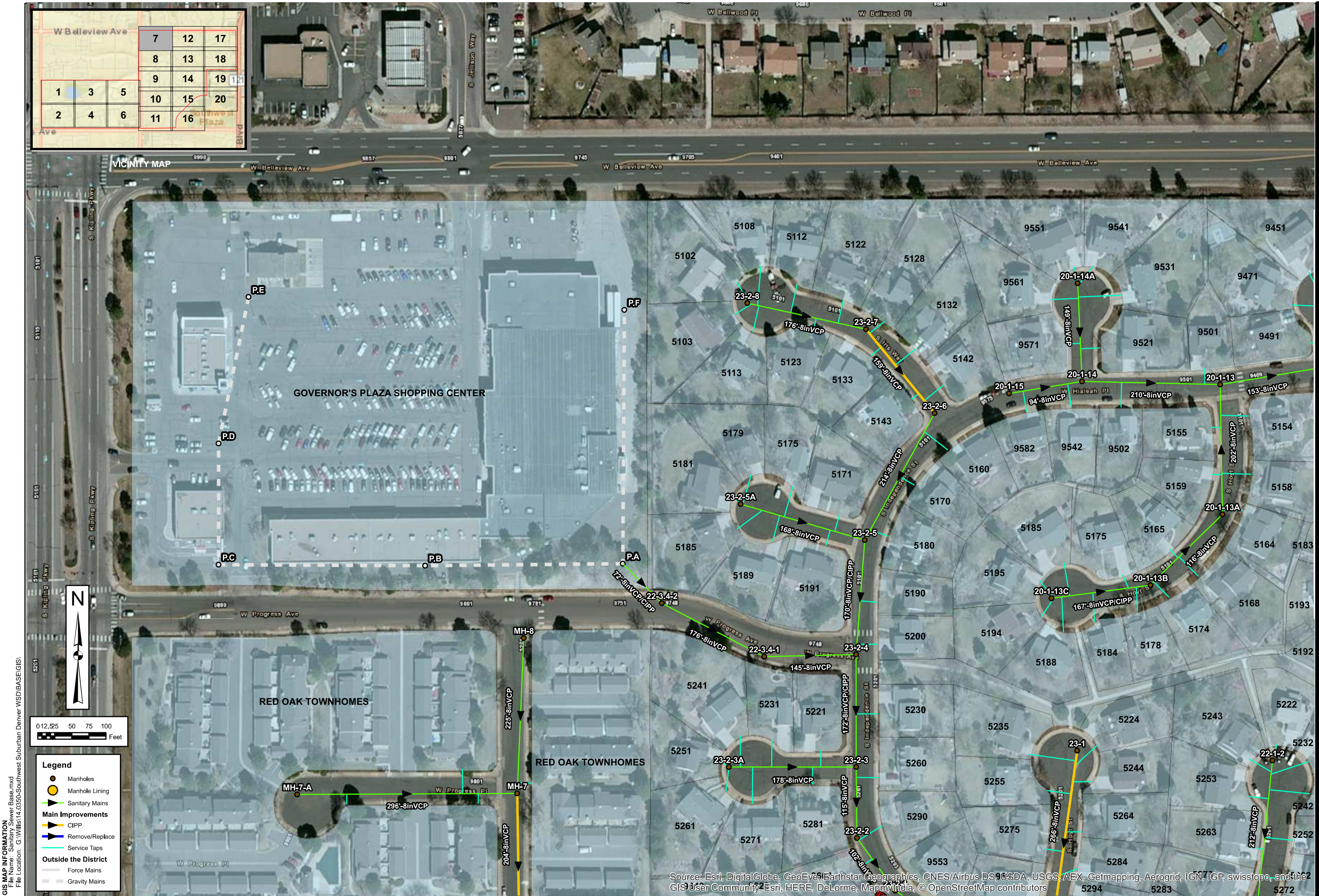
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 PHASE IV CAPITAL IMPROVEMENTS**

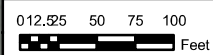
No.	Description of Revisions	Date	Name

Date: NOVEMBER 2016
 Job Number: 14.0350
 Design By: JVM
 Drawn By: JVM
 Checked By: JAM

Sheet Number:
E-6



GIS MAP INFORMATION
 File Name: Sanitary Sewer Base.mxd
 File Location: G:\Willis\14_0350-Southwest Suburban Denver WSD\BASE\GIS



- Legend**
- Manholes
 - Manhole Lining
 - Sanitary Mains
 - CIPP
 - Remove/Replace
 - Service Taps
- Outside the District**
- Force Mains
 - Gravity Mains

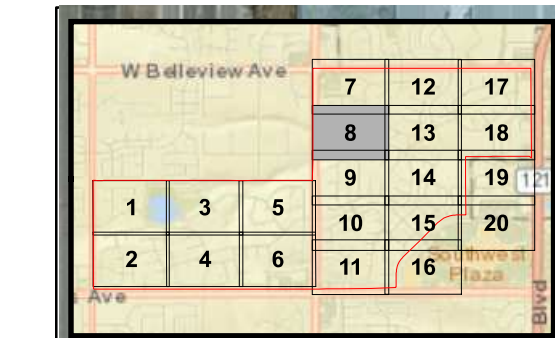
**SOUTHWEST SUBURBAN DENVER
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 PHASE IV CAPITAL IMPROVEMENTS**

No.	Description of Revisions	Date	Name

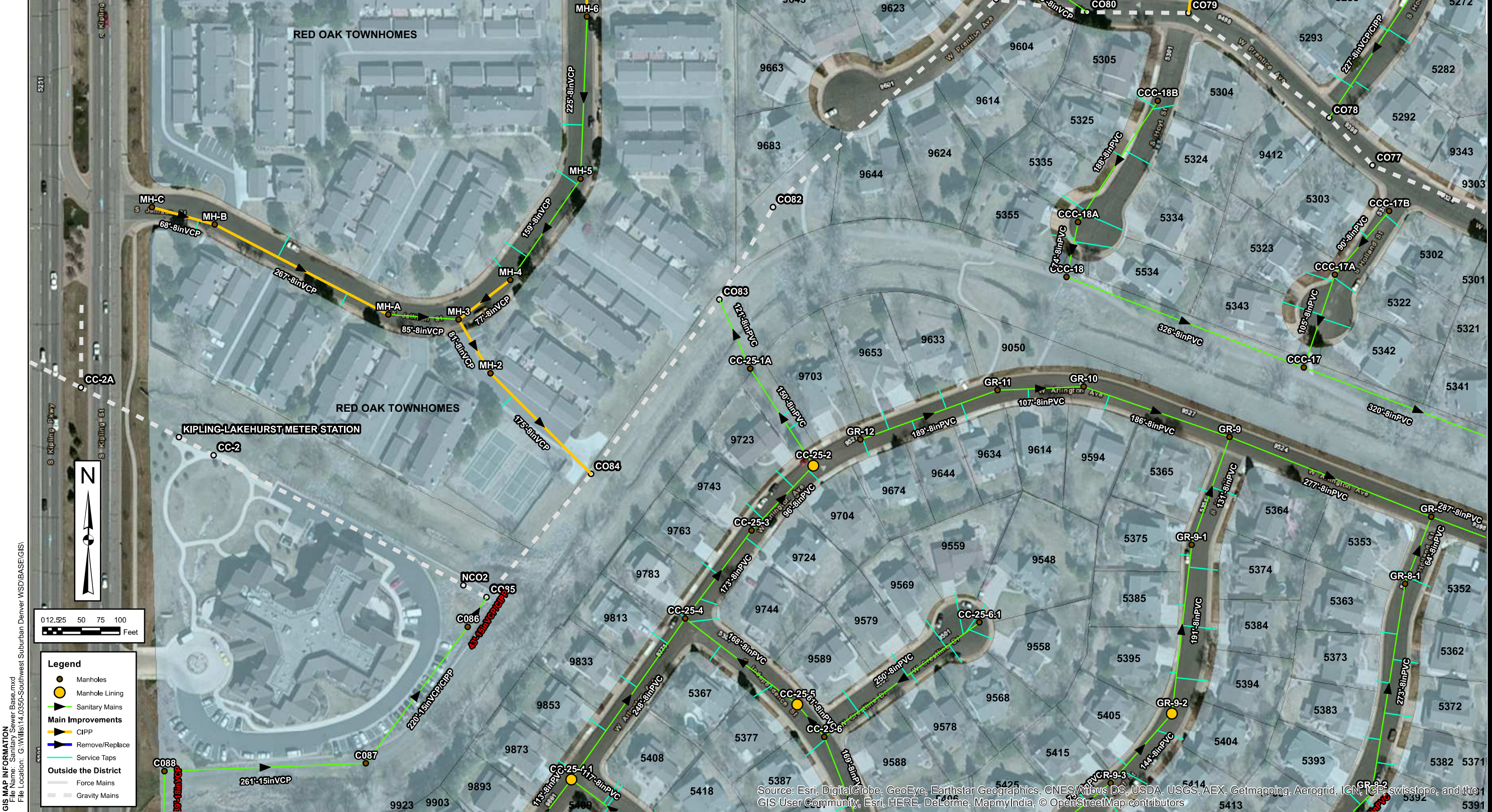
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Job Number: 14-0350
Design By: JVM
Drawn By: JVM
Checked By: JAM

Sheet Number:
E-7

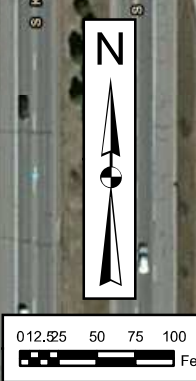
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors



VICINITY MAP



GIS MAP INFORMATION
 File Name: Sanitary Sewer Base.mxd
 File Location: G:\Willis\14.0350-Southwest Suburban Denver WSD\BASE\GIS



Legend

- Manholes
- Manhole Lining
- Sanitary Mains
- CIPP
- Remove/Replace
- Service Taps
- Outside the District
- Force Mains
- Gravity Mains

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 PHASE IV CAPITAL IMPROVEMENTS**

No.	Description of Revisions	Date	Name

Date: NOVEMBER 2016
 Job Number: 14.0350
 Design By: JWM
 Drawn By: JWM
 Checked By: JAM

Sheet Number:
E-8

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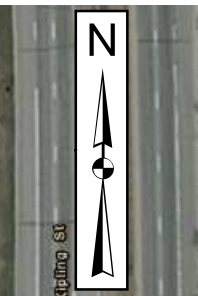
**SOUTHWEST SUBURBAN DENVER
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SANITARY SEWER COLLECTION SYSTEM
PHASE IV CAPITAL IMPROVEMENTS

No.	Description of Revisions	Date	Name

Date: NOVEMBER 2016
 Job Number: 14-0350
 Design By: JWM
 Drawn By: JWM
 Checked By: JAM

GIS MAP INFORMATION
 File Name: Sanitary Sewer Base.mxd
 File Location: G:\Willis\14_0350-Southwest Suburban Denver WSD\BASE\GIS\

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors



- Legend**
- Manholes
 - Manhole Lining
 - Sanitary Mains
 - Main Improvements
 - CIPP
 - Remove/Replace
 - Service Taps
 - Outside the District
 - Force Mains
 - Gravity Mains

GIS MAP INFORMATION
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 File Location: G:\Willis\14_0350-Southwest Suburban Denver WSD\BASE\GIS\

			7	12	17
			8	13	18
			9	14	19
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2	4	6	11	16	



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 SANITARY SEWER COLLECTION SYSTEM
 PHASE IV CAPITAL IMPROVEMENTS**

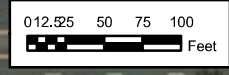
No.	Description of Revisions	Date	Name

Date: NOVEMBER 2016
 Job Number: 14-0350
 Design By: JVM
 Drawn By: JVM
 Checked By: JAM

Sheet Number:
E-10

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GIS MAP INFORMATION
File Name: Sanitary Sewer Base.mxd
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- Legend**
- Manholes
 - Manhole Lining
 - Sanitary Mains
 - Main Improvements**
 - CIPP
 - Remove/Replace
 - Service Taps
 - Outside the District**
 - Force Mains
 - Gravity Mains

VICINITY MAP

			7	12	17
			8	13	18
			9	14	19
1	3	5	10	15	20
2	4	6	11	16	

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**SOUTHWEST SUBURBAN DENVER
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SANITARY SEWER COLLECTION SYSTEM
PHASE IV CAPITAL IMPROVEMENTS**

No.	Description of Revisions	Date	Name

Date: NOVEMBER 2016
Job Number: 14-0350
Design By: JWM
Drawn By: JWM
Checked By: JAM

Sheet Number:
E-12

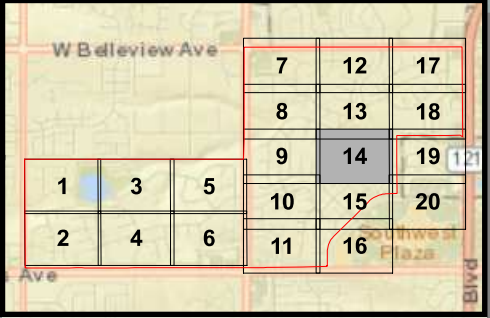
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SANITARY SEWER COLLECTION SYSTEM
PHASE IV CAPITAL IMPROVEMENTS**

Legend

- Manholes
- Manhole Lining
- Sanitary Mains
- Main Improvements
- CIPP
- Remove/Replace
- Service Taps
- Outside the District
- Force Mains
- Gravity Mains



GIS MAP INFORMATION
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Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors

Name	
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Description of Revisions	



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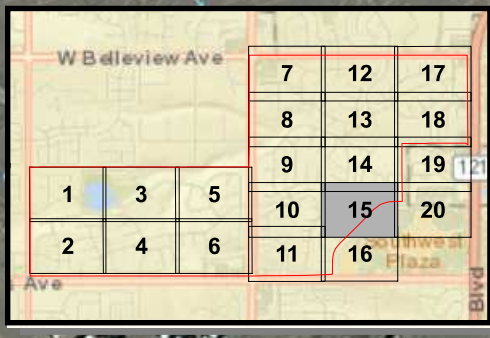
SOUTHWEST SUBURBAN DENVER
WATER & SANITATION DISTRICT
SANITARY SEWER COLLECTION SYSTEM
PHASE IV CAPITAL IMPROVEMENTS

No.	Description of Revisions	Date	Name

Date: NOVEMBER 2016
 Job Number: 14.0350
 Design By: JVM
 Drawn By: JVM
 Checked By: JAM
 Sheet Number:

Legend

- Manholes
- Manhole Lining
- Sanitary Mains
- Main Improvements**
- CIPP
- Remove/Replace
- Service Taps
- Outside the District**
- Force Mains
- Gravity Mains

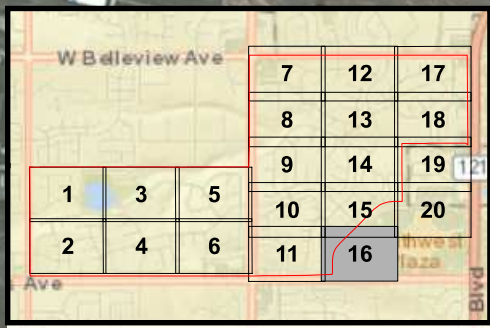


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GIS MAP INFORMATION
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- Legend**
- Manholes
 - Manhole Lining
 - Sanitary Mains
 - Main Improvements**
 - CIPP
 - Remove/Replace
 - Service Taps
 - Outside the District**
 - Force Mains
 - Gravity Mains



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SANITARY SEWER COLLECTION SYSTEM
PHASE IV CAPITAL IMPROVEMENTS

No.	Description of Revisions	Date	Name

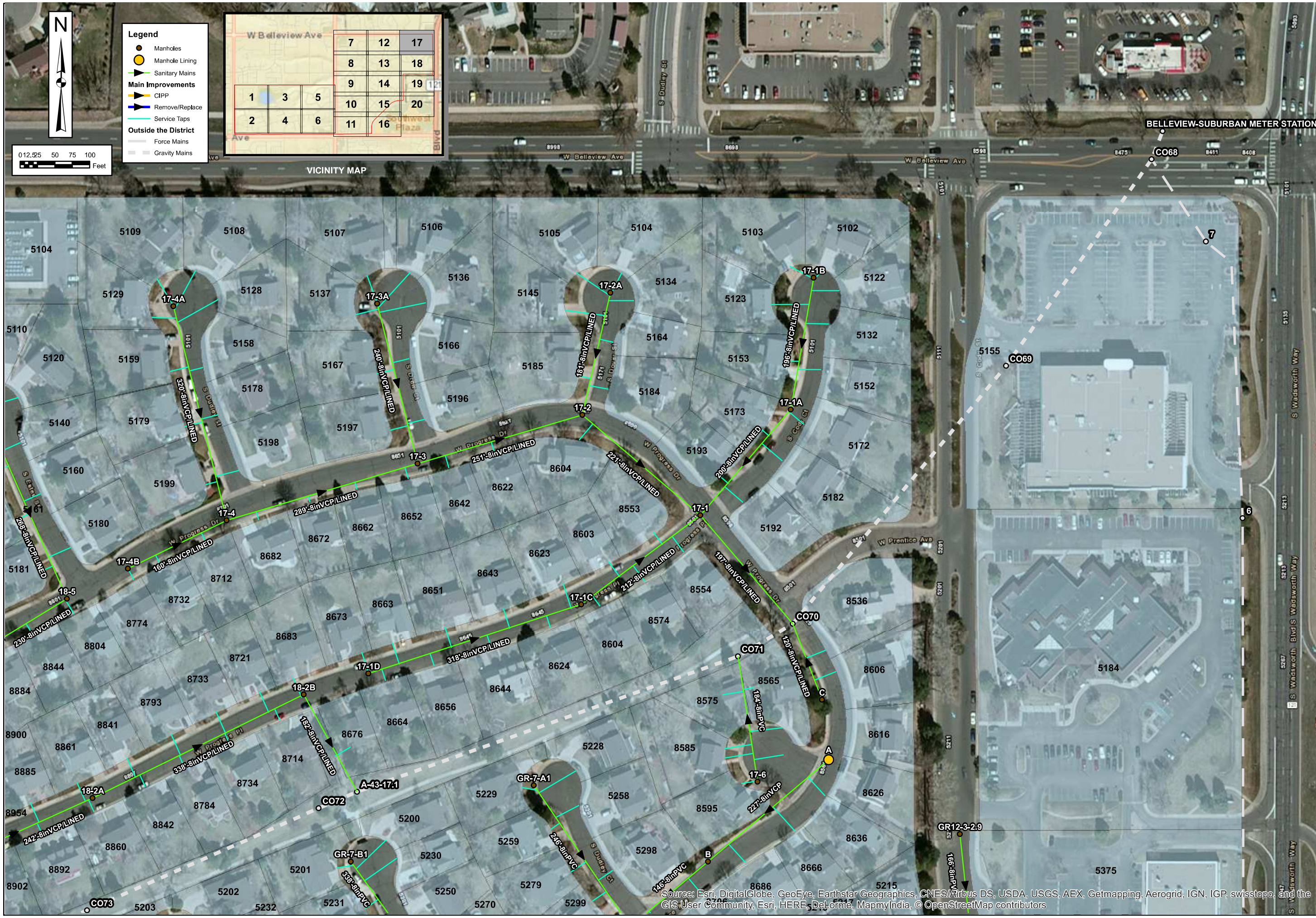
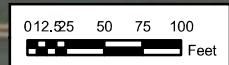
Date: NOVEMBER 2016
 Job Number: 14.0350
 Design By: JVM
 Drawn By: JVM
 Checked By: JAM

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- Legend**
- Manholes
 - Manhole Lining
 - Sanitary Mains
 - ▶ CIPP
 - ▶ Remove/Replace
 - ▶ Service Taps
 - Outside the District
 - Force Mains
 - Gravity Mains

VICINITY MAP

W Bellevue Ave			
	7	12	17
	8	13	18
1	3	5	9
			14
			19
			10
			15
			20
2	4	6	11
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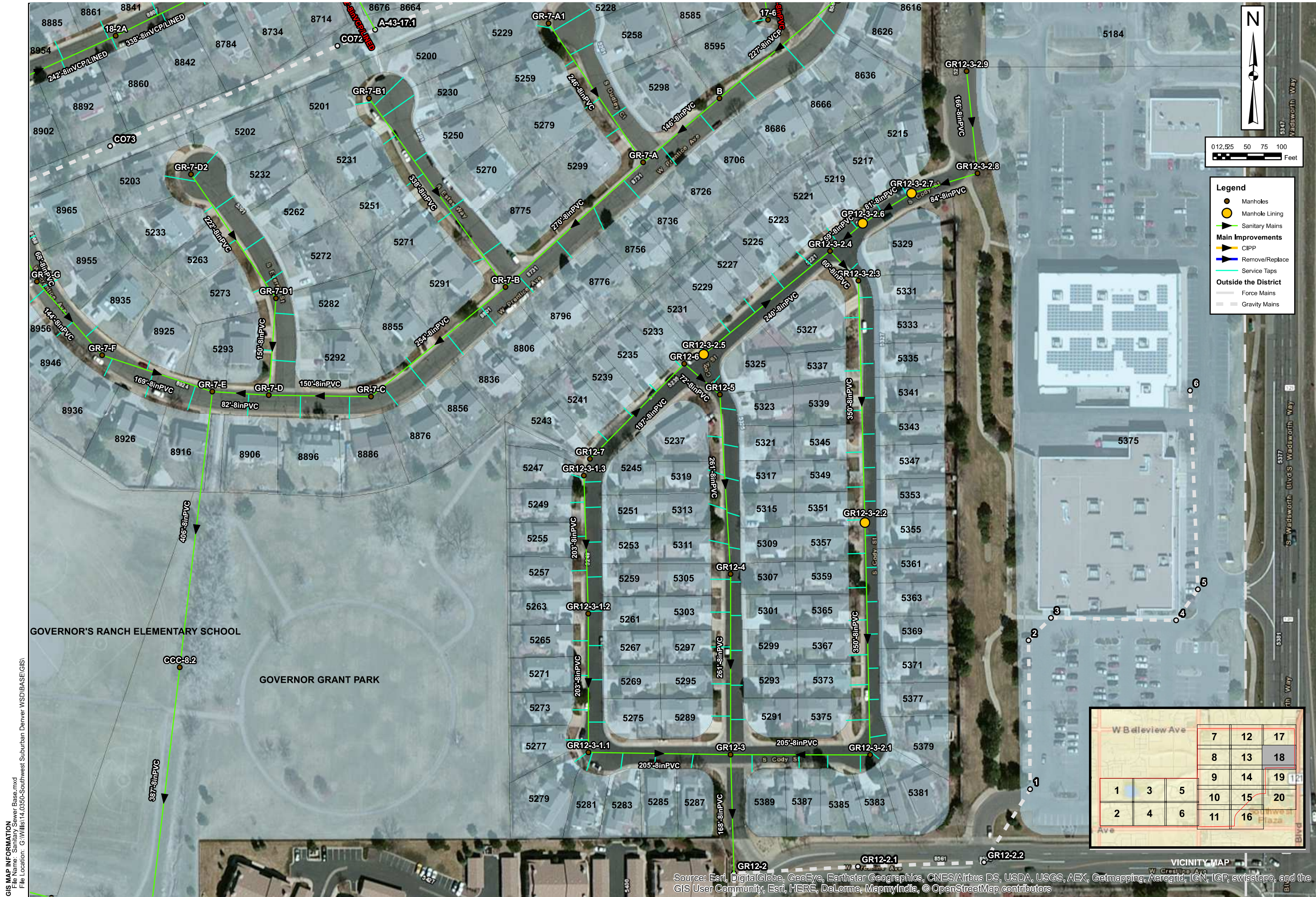
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 PHASE IV CAPITAL IMPROVEMENTS

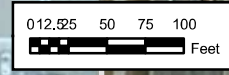
No.	Description of Revisions	Date	Name

Date: NOVEMBER 2016
 Job Number: 14-0350
 Design By: JWM
 Drawn By: JWM
 Checked By: JAM
 Sheet Number:
E-17



Legend

- Manholes
- Manhole Lining
- Sanitary Mains
- Main Improvements**
- CIPP
- Remove/Replace
- Service Taps
- Outside the District**
- Force Mains
- Gravity Mains



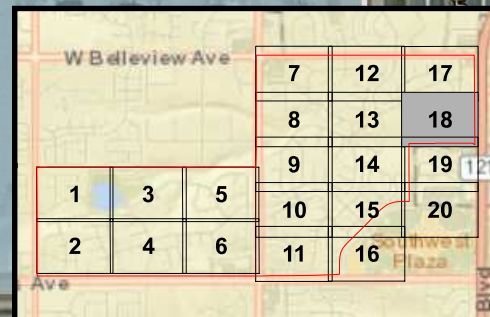
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PHASE IV CAPITAL IMPROVEMENTS**

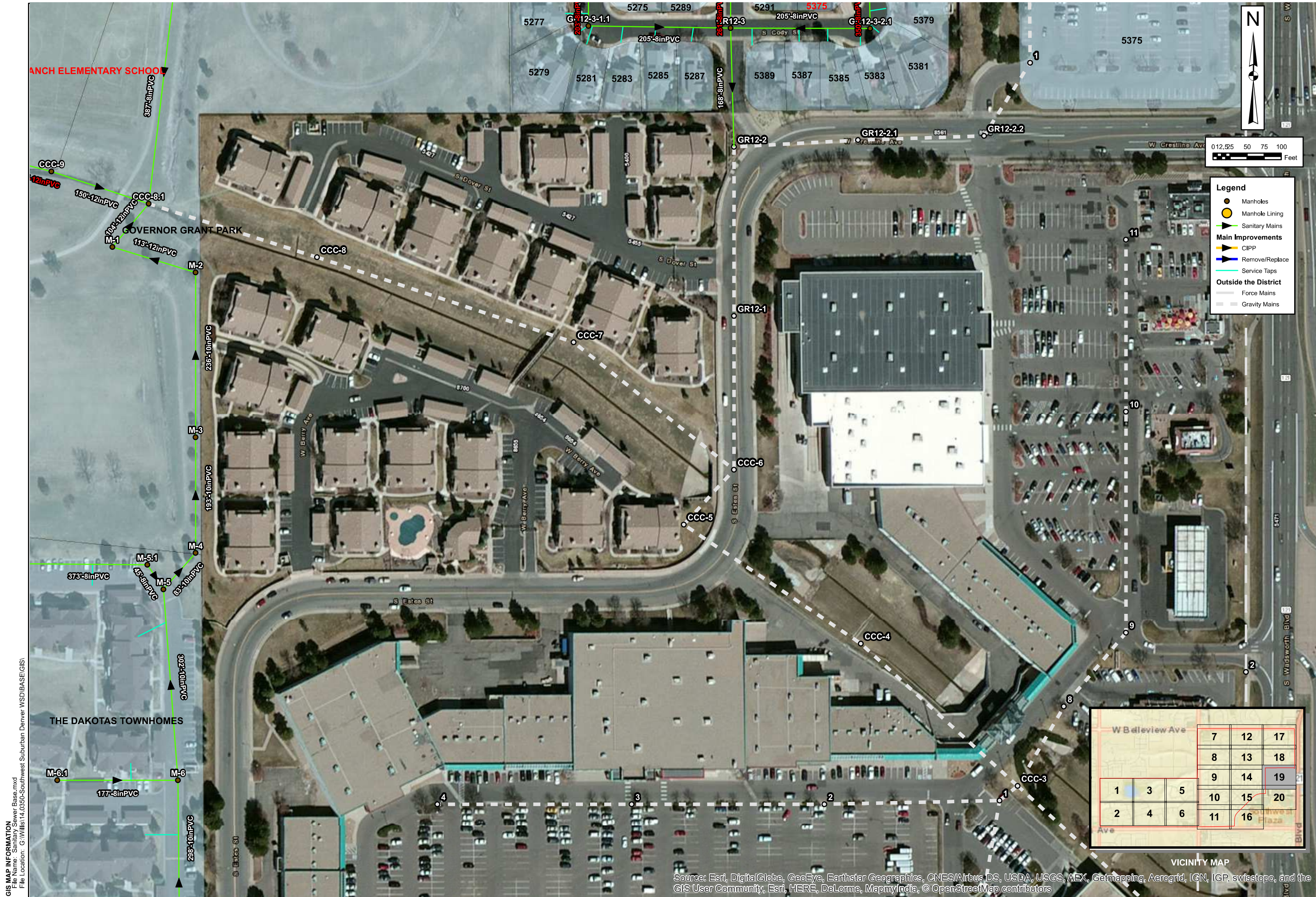
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Design By: JVM
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Checked By: JAM



Legend

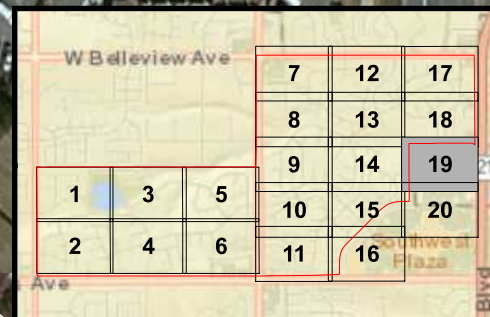
- Manholes
- Manhole Lining
- Sanitary Mains

Main Improvements

- CIPP
- Remove/Replace
- Service Taps


Outside the District

- Force Mains
- Gravity Mains



GIS MAP INFORMATION
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Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors


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PHASE IV CAPITAL IMPROVEMENTS

No.	Description of Revisions	Date	Name

Date: NOVEMBER 2016
 Job Number: 14-0350
 Design By: JVM
 Drawn By: JVM
 Checked By: JAM

Sheet Number:
E-19



- Legend**
- Manholes
 - Manhole Lining
 - Sanitary Mains
 - Main Improvements**
 - CIPP
 - Remove/Replace
 - Service Taps
 - Outside the District**
 - Force Mains
 - Gravity Mains



GIS MAP INFORMATION
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 File Location: G:\Willis\14_0350-Southwest Suburban Denver WSD\BASE\GIS\

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PHASE IV CAPITAL IMPROVEMENTS

No.	Description of Revisions	Date	Name

Date: NOVEMBER 2016
 Job Number: 14-0350
 Design By: JVM
 Drawn By: JVM
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Sheet Number:
E-20

APPENDIX F – PHASE V CAPITAL IMPROVEMENTS





Legend

- Manholes
- Manhole Lining
- Sanitary Mains
- Main Improvements**
- CIPP
- Remove/Replace
- Service Taps
- Outside the District**
- Force Mains
- Gravity Mains

**SOUTHWEST SUBURBAN DENVER
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 PHASE V CAPITAL IMPROVEMENTS**

No.	Description of Revisions	Date	Name

Date: NOVEMBER 2016
 Job Number: 14_0350
 Design By: JVM
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F-1

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GIS MAP INFORMATION
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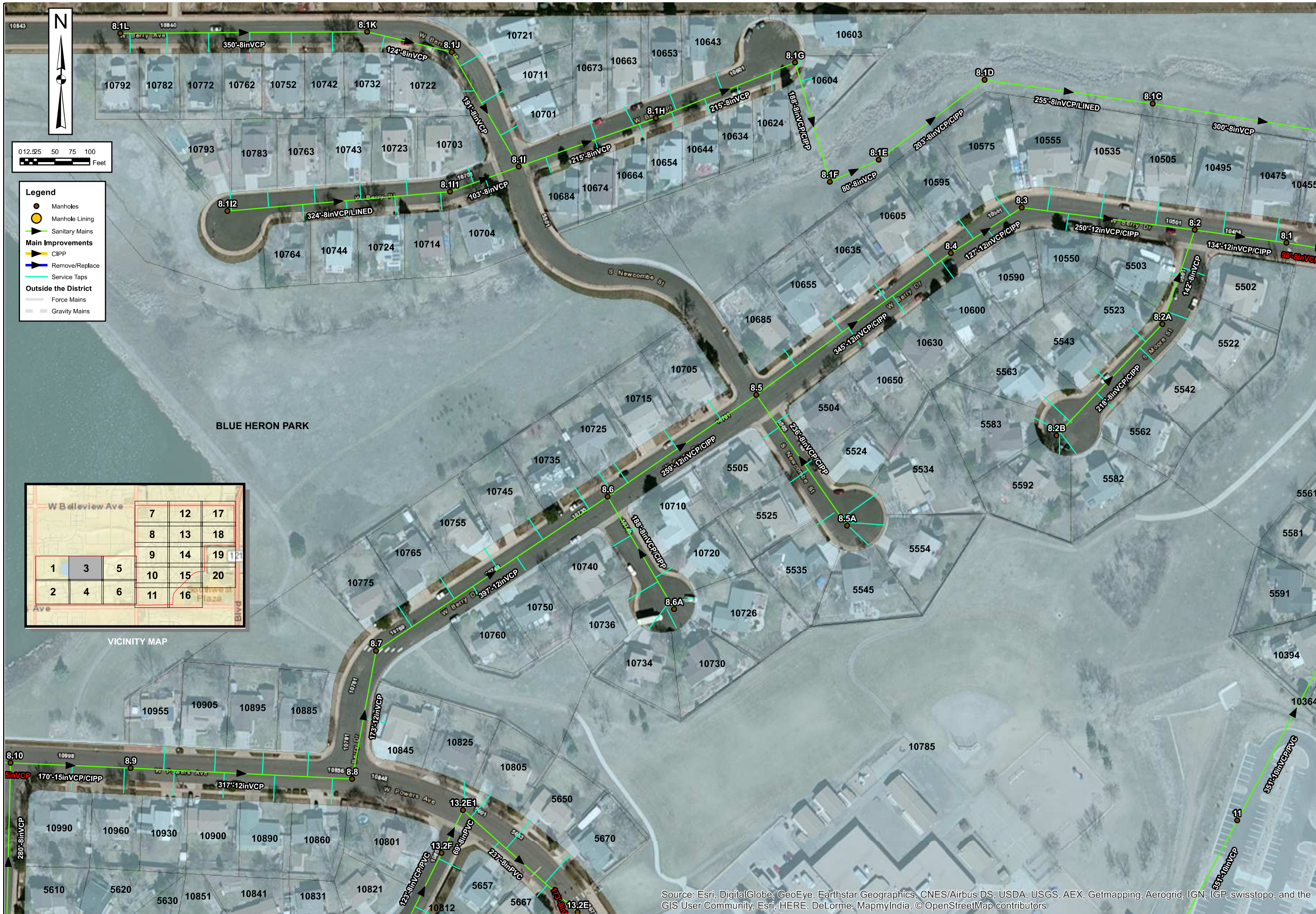
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- Manholes
 - Manhole Lining
 - Sanitary Mains
 - Main Improvements
 - CIPP
 - Remove/Replace
 - Service Taps
 - Outside the District
 - Force Mains
 - Gravity Mains

SOUTHWEST SUBURBAN DENVER WATER & SANITATION DISTRICT SANITARY SEWER COLLECTION SYSTEM PHASE V CAPITAL IMPROVEMENTS

No.	Description of Revisions	Date	Name

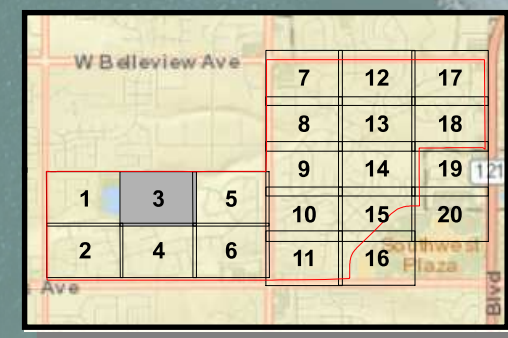
Date: NOVEMBER 2016
Job Number: 14-0350
Design By: JWM
Drawn By: JWM
Checked By: JAM

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors



Legend

- Manholes
- Manhole Lining
- Sanitary Mains
- Main Improvements**
- CIPP
- Remove/Replace
- Service Taps
- Outside the District**
- Force Mains
- Gravity Mains



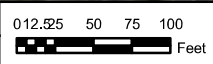
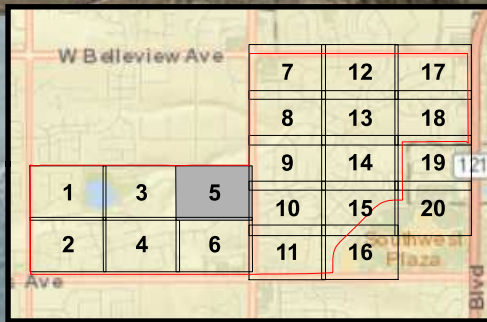
**SOUTHWEST SUBURBAN DENVER
WATER & SANITATION DISTRICT
SANITARY SEWER COLLECTION SYSTEM
PHASE V CAPITAL IMPROVEMENTS**

No.	Description of Revisions	Date	Name

Date: NOVEMBER 2016
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GIS MAP INFORMATION
 File Name: Sanitary Sewer Base.mxd
 File Location: G:\Willis\14_0350-Southwest Suburban Denver WSD\BASE\GIS\



Legend

- Manholes
- Manhole Lining
- ▲ Sanitary Mains

Main Improvements

- ▲ CIPP
- ▲ Removal/Replace
- ▲ Service Taps

Outside the District

- ▲ Force Mains
- ▲ Gravity Mains

**SOUTHWEST SUBURBAN DENVER
 WATER & SANITATION DISTRICT
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VICINITY MAP

W Balview Ave		
7	12	17
8	13	18
9	14	19
1	3	5
10	15	20
2	4	6
11	16	

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**SOUTHWEST SUBURBAN DENVER
 WATER & SANITATION DISTRICT
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 PHASE V CAPITAL IMPROVEMENTS**

No.	Description of Revisions	Date	Name

Date: NOVEMBER 2016
Job Number: 14-0350
Design By: JVM
Drawn By: JVM
Checked By: JAM

Sheet Number:
F-6

Legend

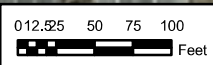
- Manholes
- Manhole Lining
- Sanitary Mains
- Main Improvements
- CIPP
- Removal/Replace
- Service Taps
- Outside the District
- Force Mains
- Gravity Mains

GIS MAP INFORMATION
 File Name: Sanitary Sewer Base.mxd
 File Location: G:\Willis\14_0350-Southwest Suburban Denver WSD\BASE\GIS\

VICINITY MAP

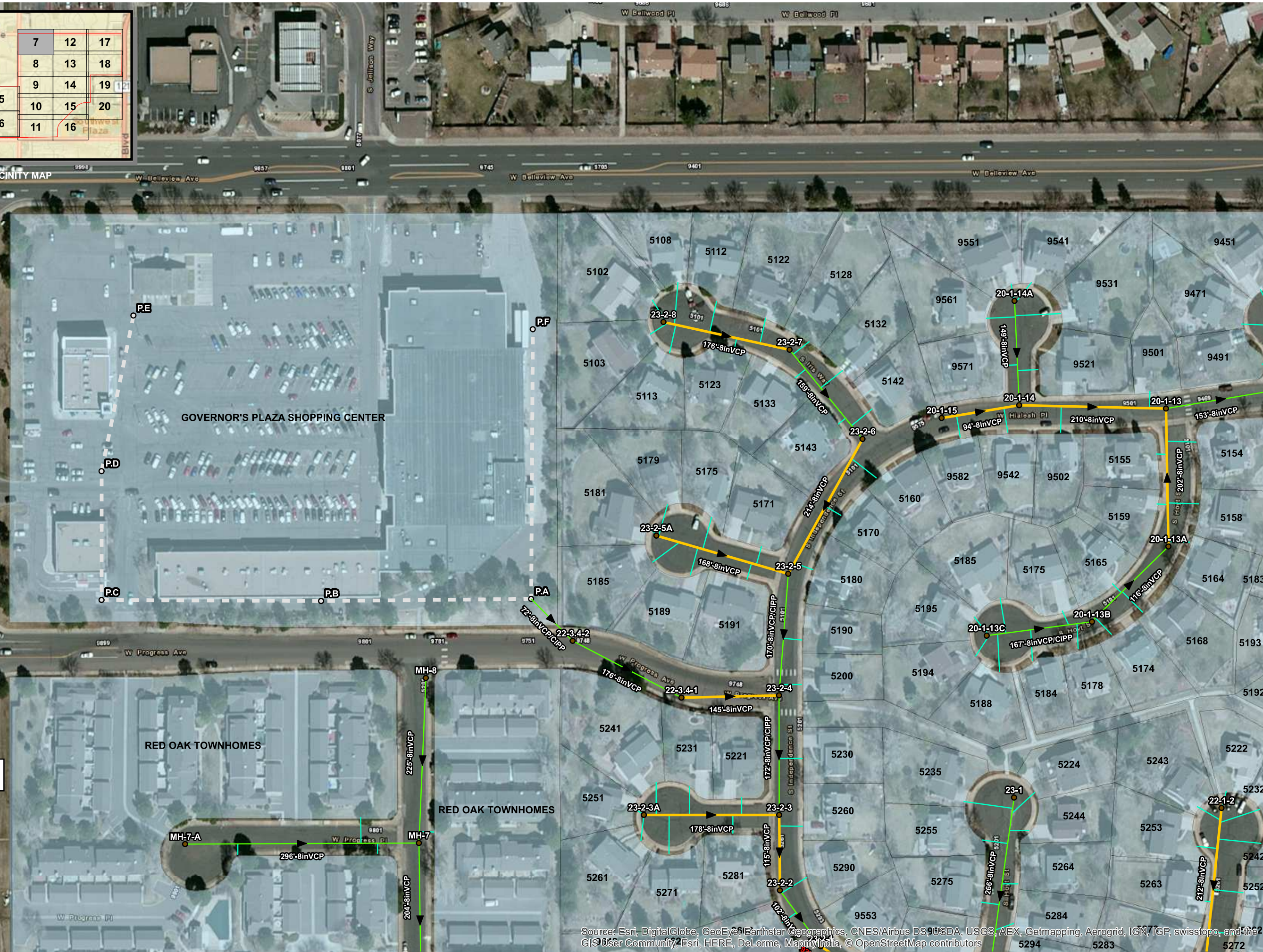
W Belleview Ave			
	7	12	17
	8	13	18
	9	14	19
1	3	5	10
2	4	6	11
	16	15	20

W Belleview Ave



Legend

- Manholes
- Manhole Lining
- Sanitary Mains
- Main Improvements
- CIPP
- Remove/Replace
- Service Taps
- Outside the District
- Force Mains
- Gravity Mains



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**SOUTHWEST SUBURBAN DENVER
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 SANITARY SEWER COLLECTION SYSTEM
 PHASE V CAPITAL IMPROVEMENTS**

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Date: NOVEMBER 2016
Job Number: 14-0350
Design By: JVM
Drawn By: JVM
Checked By: JAM

Sheet Number:
F-7

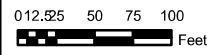
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2	4	6	10	15	20
AVE			11	16	

VICINITY MAP

RED OAK TOWNHOMES

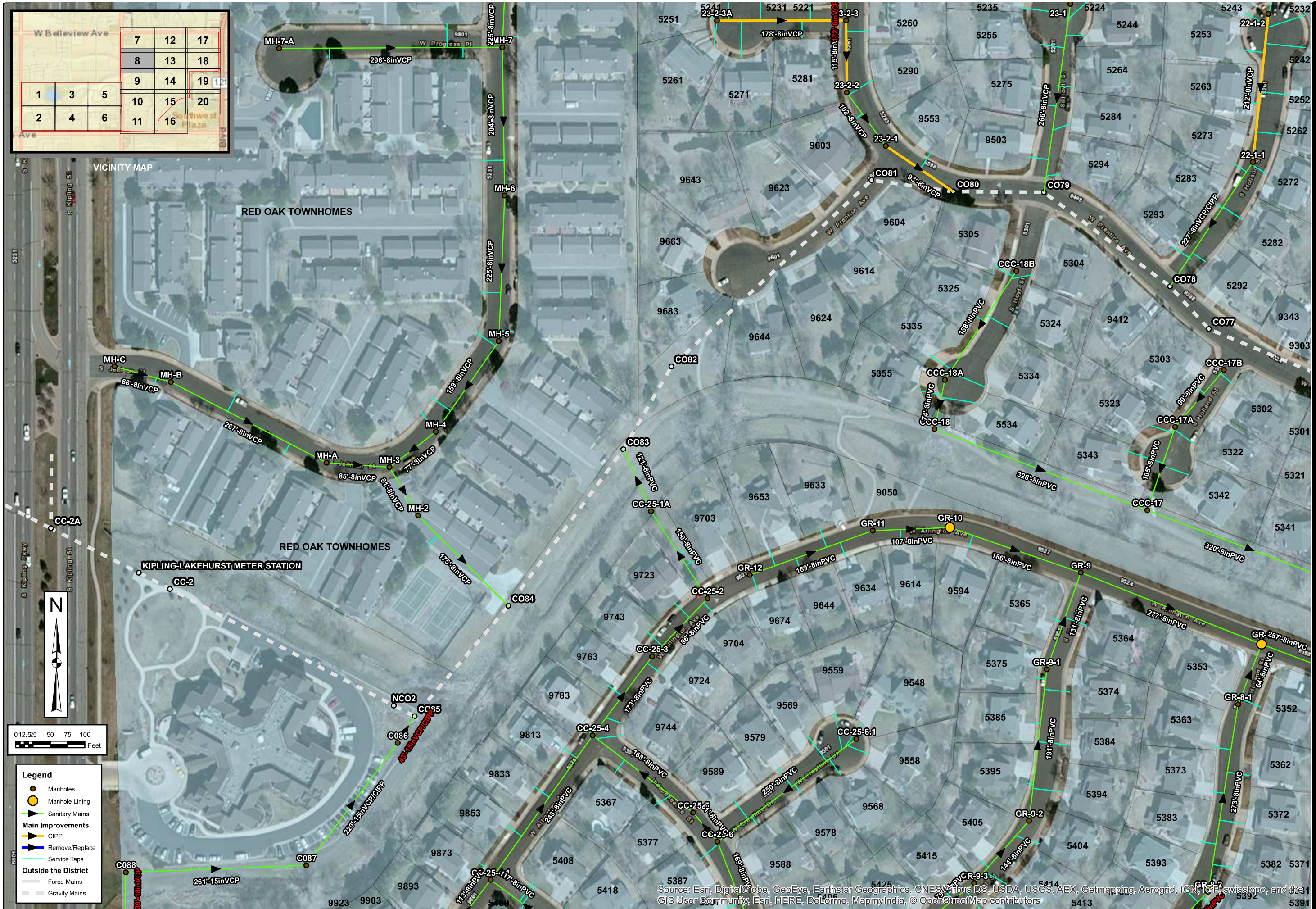
RED OAK TOWNHOMES

KIPLING-LAKEHURST METER STATION



- Legend**
- Manholes
 - Manhole Lining
 - Sanitary Mains
 - Main Improvements
 - CIPP
 - Remove/Replace
 - Service Taps
 - Outside the District
 - Force Mains
 - Gravity Mains

GIS MAP INFORMATION
File Name: Sanitary Sewer Base.mxd
File Location: G:\Willis\14_0350-Southwest Suburban Denver WSD\BASE\GIS\



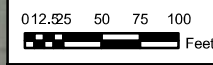
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**SOUTHWEST SUBURBAN DENVER
WATER & SANITATION DISTRICT
SANITARY SEWER COLLECTION SYSTEM
PHASE V CAPITAL IMPROVEMENTS**

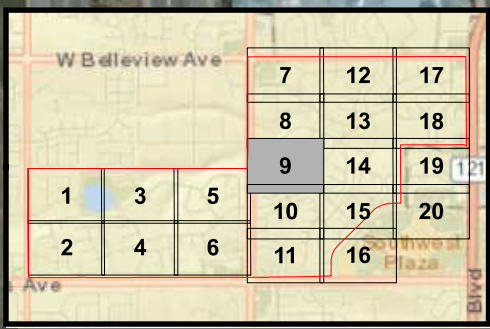
No.	Description of Revisions	Date	Name

Date: NOVEMBER 2016
Job Number: 14-0350
Design By: JWM
Drawn By: JWM
Checked By: JAM
Sheet Number:
F-8

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- Legend**
- Manholes
 - Manhole Lining
 - Sanitary Mains
 - Main Improvements**
 - CIPP
 - Remove/Replace
 - Service Taps
 - Outside the District**
 - Force Mains
 - Gravity Mains



**SOUTHWEST SUBURBAN DENVER
WATER & SANITATION DISTRICT
SANITARY SEWER COLLECTION SYSTEM
PHASE V CAPITAL IMPROVEMENTS**

No.	Description of Revisions	Date	Name

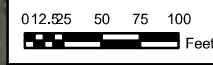
GIS MAP INFORMATION
File Name: Sanitary Sewer Base.mxd
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Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors



Legend

- Manholes
- Manhole Lining
- Sanitary Mains
- Main Improvements**
 - CIPP
 - Remove/Replace
 - Service Taps
- Outside the District**
 - Force Mains
 - Gravity Mains



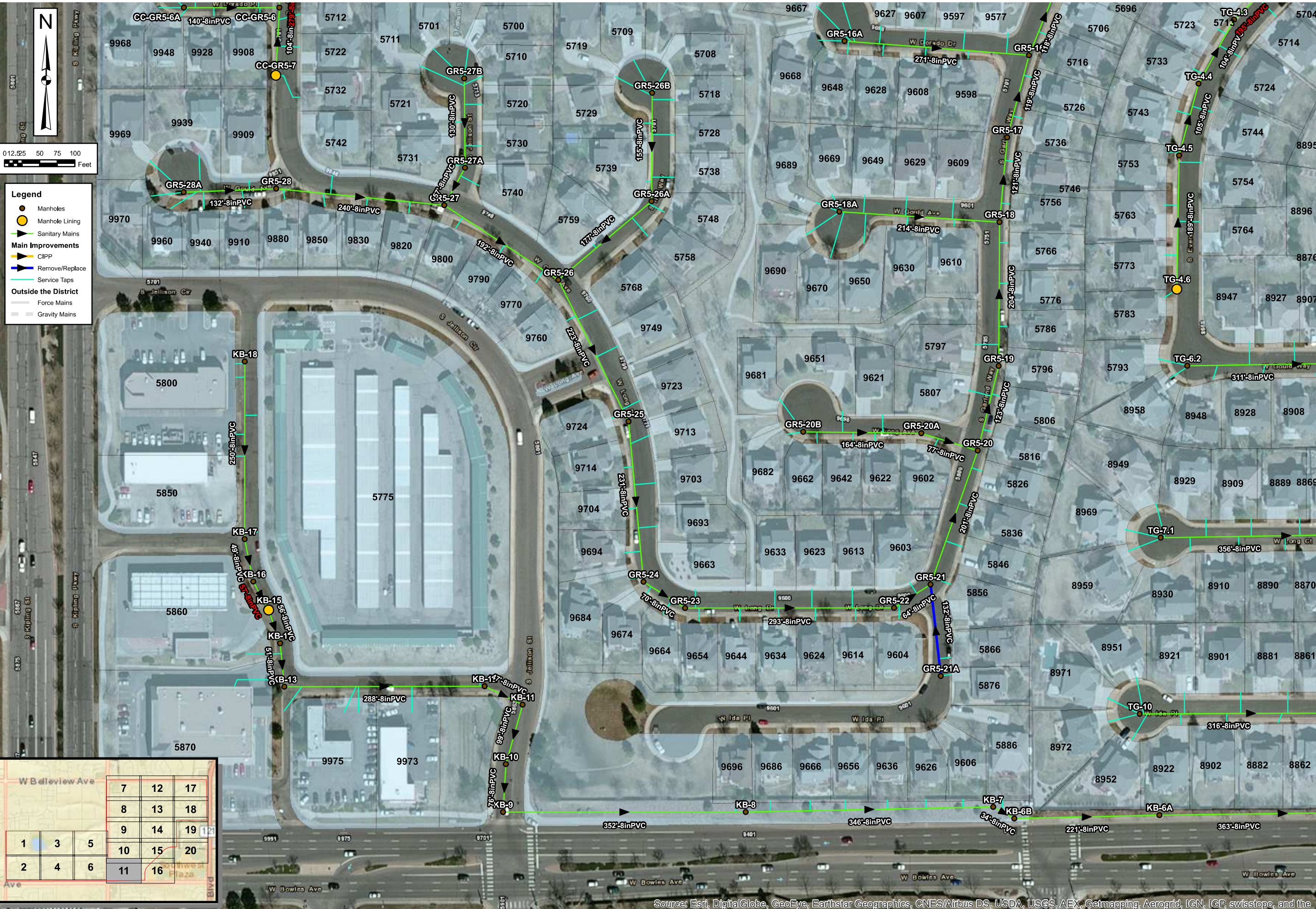
W Balview Ave		7	12	17
		8	13	18
		9	14	19
1	3	5	10	15
2	4	6	11	16
W Balview Ave				

**SOUTHWEST SUBURBAN DENVER
WATER & SANITATION DISTRICT
SANITARY SEWER COLLECTION SYSTEM
PHASE V CAPITAL IMPROVEMENTS**

No.	Description of Revisions	Date	Name

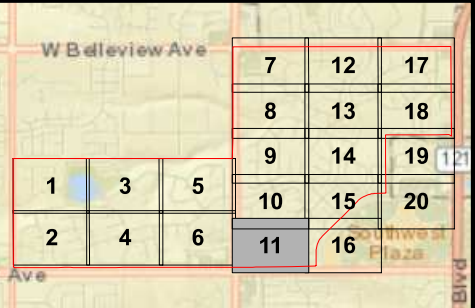
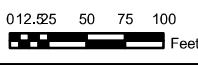
GIS MAP INFORMATION
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Legend

- Manholes
- Manhole Lining
- Sanitary Mains
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 - CIPP
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- Outside the District**
 - Force Mains
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 WATER & SANITATION DISTRICT
 SANITARY SEWER COLLECTION SYSTEM
 PHASE V CAPITAL IMPROVEMENTS**

No.	Description of Revisions	Date	Name



VICINITY MAP

W Belleview Ave			
	7	12	17
	8	13	18
	9	14	19
1	3	5	10
2	4	6	11
			16
			20
S Field St			

**SOUTHWEST SUBURBAN DENVER
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SANITARY SEWER COLLECTION SYSTEM
PHASE V CAPITAL IMPROVEMENTS**

No.	Description of Revisions	Date	Name

Date: NOVEMBER 2016
 Job Number: 14-0350
 Design By: JVM
 Drawn By: JVM
 Checked By: JAM

Sheet Number:
F-12

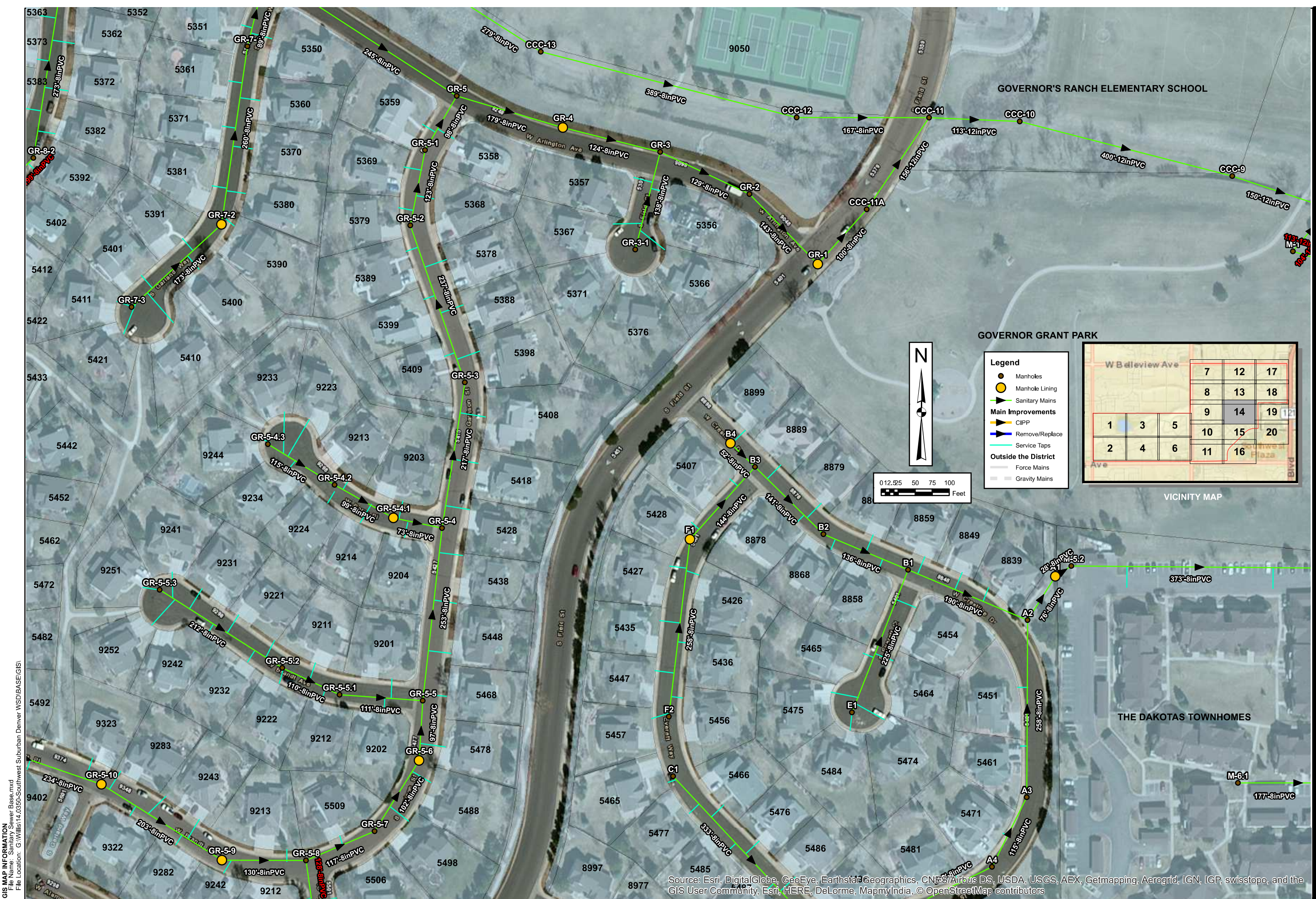
GIS MAP INFORMATION
 File Name: Sanitary Sewer Base.mxd
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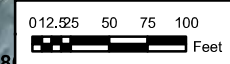
GOVERNOR GRANT PARK

Legend

- Manholes
- Manhole Lining
- ▶ Sanitary Mains
- ▶ Main Improvements
- ▶ CIPP
- ▶ Remove/Replace
- ▶ Service Taps
- Outside the District
- Force Mains
- Gravity Mains

VICINITY MAP

W Bellevue Ave			
	7	12	17
	8	13	18
	9	14	19
1	3	5	10
2	4	6	11
			15
			16
			20
S Florida St			

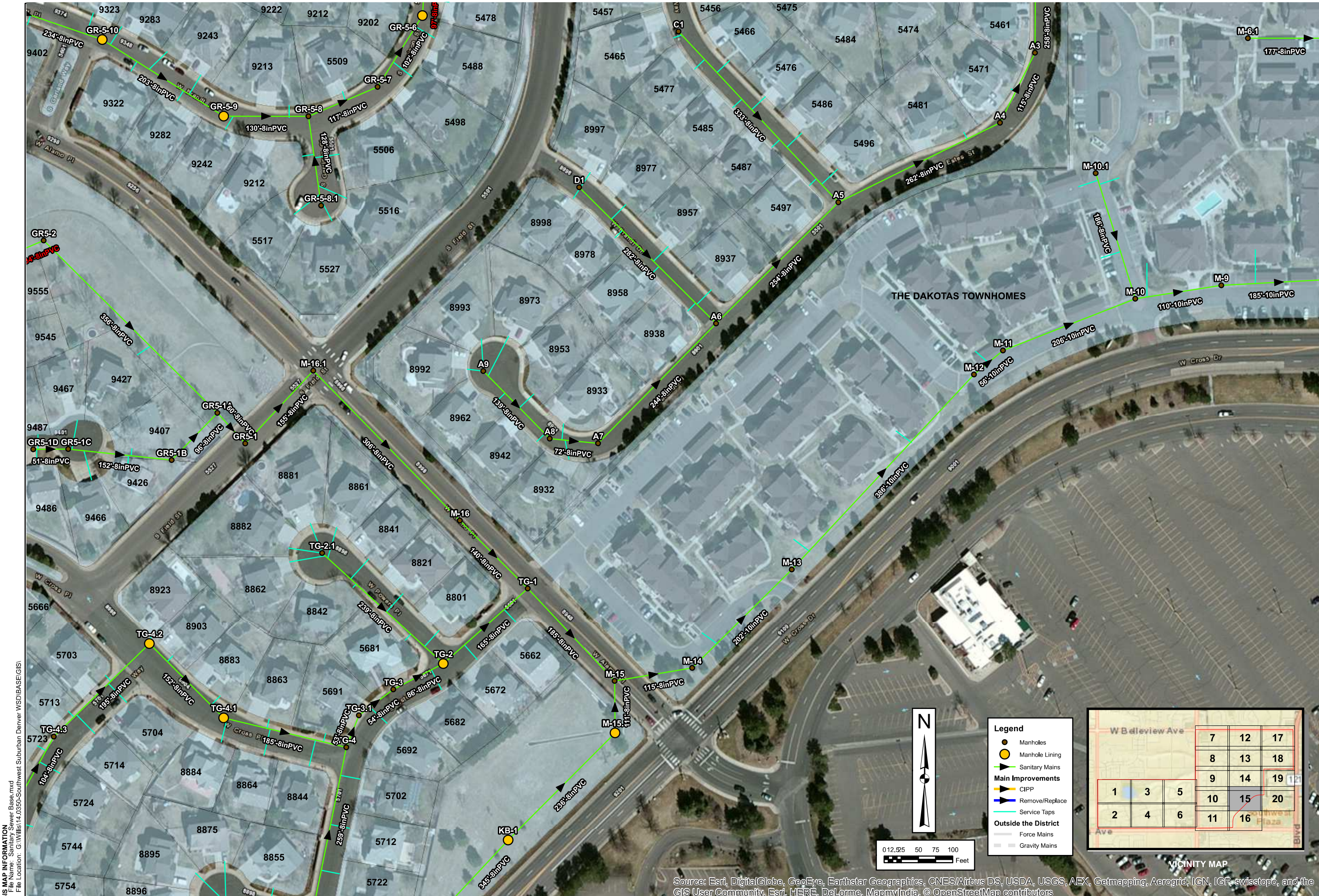


GIS MAP INFORMATION
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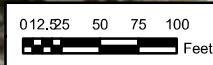
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Legend

- Manholes
- Manhole Lining
- Sanitary Mains
- Main Improvements**
- CIPP
- Remove/Replace
- Service Taps
- Outside the District**
- Force Mains
- Gravity Mains

VICINITY MAP

W Bellevue Ave			7	12	17
			8	13	18
			9	14	19
1	3	5	10	15	20
2	4	6	11	16	12
Ave			Blvd		

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGR, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors

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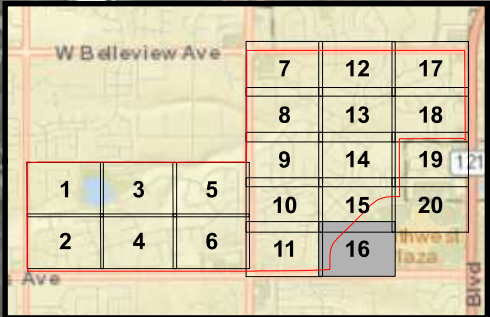


GIS MAP INFORMATION
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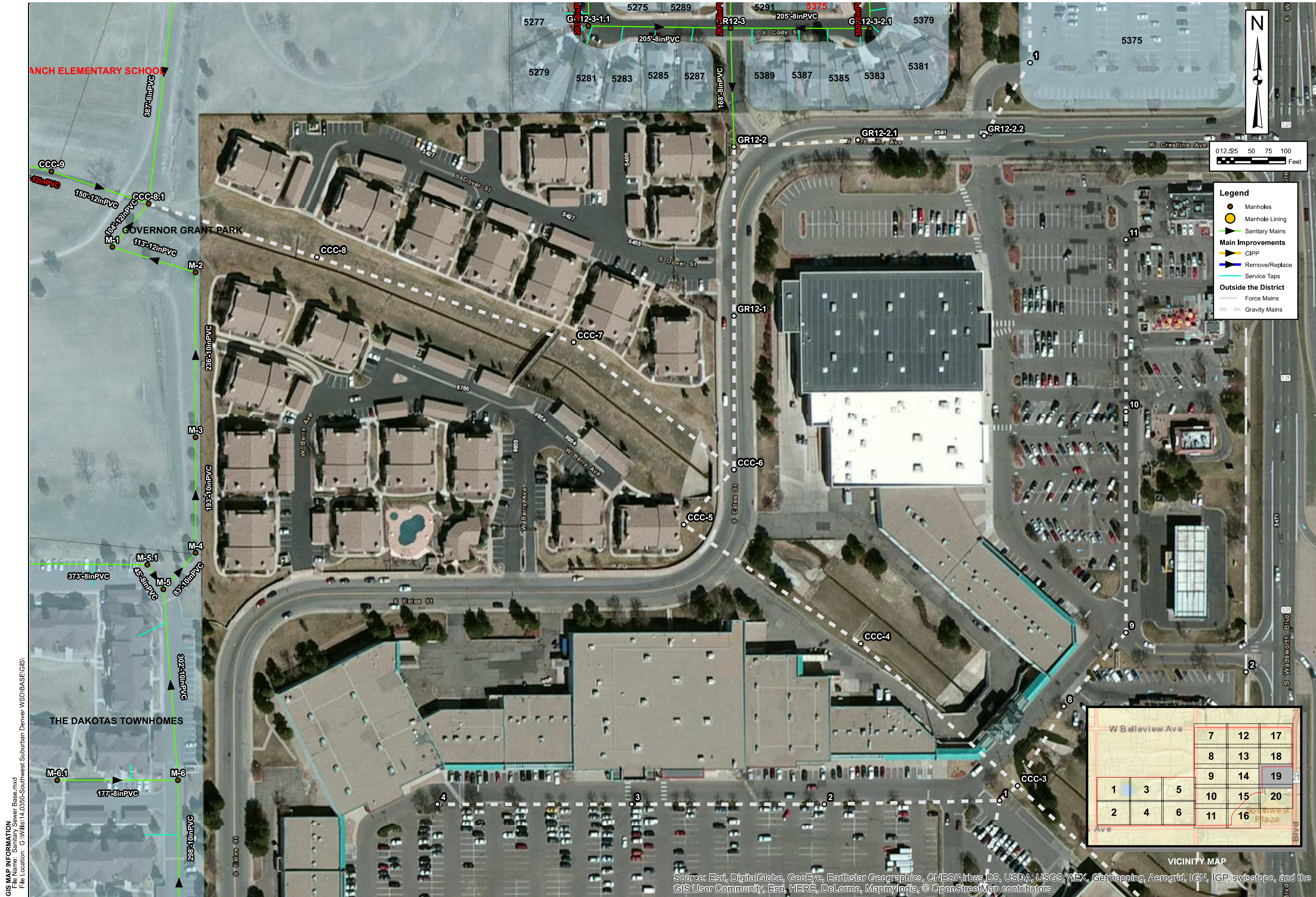
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Legend

- Manholes
- Manhole Lining
- Sanitary Mains
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- CIPP
- Remove/Replace
- Service Taps
- Outside the District
- Force Mains
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VICINITY MAP

W Bellevue Ave			7	12	17
			8	13	18
			9	14	19
1	3	5	10	15	20
2	4	6	11	16	
Ave					

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VICINITY MAP

			7	12	17
			8	13	18
			9	14	19
1	3	5	10	15	20
2	4	6	11	16	

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