



MARK PESTRELLA, Director

COUNTY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

"To Enrich Lives Through Effective and Caring Service"

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P.O. BOX 1460
ALHAMBRA, CALIFORNIA 91802-1460

December 19, 2018

IN REPLY PLEASE
REFER TO FILE: **SM-1**

Mr. Alex Gonzalez
Director of Public Works
City of Industry
15625 East Stafford Street
Industry, CA 91744

Attention Ms. CeCe Dunlap

Dear Mr. Gonzalez:

CONSOLIDATED SEWER MAINTENANCE DISTRICT CONDITION ASSESSMENT PROGRAM REPORT PROJECT NOS. Y0TV1314B1 AND Y0TV1314B2

This letter is to inform you that the Los Angeles County Public Works Consolidated Sewer Maintenance District has completed its condition assessment of the City of Industry's sewer system.

The enclosed Condition Assessment Reports provide details regarding the maintenance and structural condition of your sewer mainlines. Please note that two previous reports covering the balance of your system, were transmitted to your City on September 21, 2009, and May 28, 2014. The information contained in all four reports should be included in your agency's Sewer System Management Plan as a reference in Chapter 8, System Evaluation and Capacity Assurance Plan.

The segments with critical maintenance issues have been cleaned and, where appropriate, incorporated into our enhanced maintenance cleaning schedule for continued monitoring. In addition, segments with severe structural defects have either been repaired or will be scheduled for corrective action as part of the ongoing Accumulative Capital Outlay Program.

Mr. Alex Gonzalez
December 19, 2018
Page 2

If you have any questions regarding these reports or the Condition Assessment Program, please contact Ms. Kari Eskridge, Sewer Maintenance Division, at (626) 300-3390 or keskridge@dpw.lacounty.gov, Monday through Thursday, 7 a.m. to 5 p.m.

Very truly yours,

MARK PESTRELLA
Director of Public Works



WILLIAM J. WINTER
Assistant Deputy Director
Sewer Maintenance Division

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Enc.

SUMMARY STRUCTURAL REPORT

Our inspection revealed that approximately 95.3 percent of the inspected pipe segments within the City were free of significant structural defects. However, the remaining 4.7 percent of the inspected pipe segments had a PACP structural grade of 4 or 5 as indicated in the Quick Structural Rating Table shown below. The priority lists for these items are located in the enclosed reports.

QUICK STRUCTURAL RATING TABLE

DEFECT GRADE	PIPE LENGTH (FT)	PERCENT OF TOTAL INSPECTED PIPE LENGTH	NO. OF SEGMENTS
1: Minor	192,537	75.6	853
2: Minor to Moderate	21,609	8.5	88
3: Moderate	28,412	11.2	111
4: Significant	7,700	3.0	33
5: Most Significant	4,383	1.7	19
TOTAL	254,641	100.0	1,104

**CONDITION ASSESSMENT REPORT
LOS ANGELES COUNTY PUBLIC WORKS
CONSOLIDATED SEWER MAINTENANCE DISTRICT**

PROJECT NAME:	Y0TV1314B2	PROJECT MGR:	ERIC LIU
PROJECT DATE:	07/23/2014	CONTACT NO:	(626) 300-3369
SUP. DISTRICT(s):	1	MAP PAGE(S):	2075, 2170, 2171, 2217, 2218, 2124, 2261, 2262
Report By:	Jonathan Gonzalez	Report Date:	12/19/2018

INTRODUCTION

The Los Angeles County Public Works Consolidated Sewer Maintenance District (District) conducted a condition assessment of 10,356 feet or 4.1 percent of the City's entire sewer system as part of Project No. Y0TV1314B2.

The enclosed Condition Assessment Report outlines the structural and maintenance ratings of your system based on the Pipeline Assessment and Certification Program's (PACP) (Version 6.0.1) rating methodology. Included in the report are the following:

- Project Overview Map (Enclosure 1)
- Quick Maintenance Rating Map (Enclosure 2)
- Quick Structural Rating Report Priority List and Quick Structural Rating Map (Enclosure 3)

The Sewer Condition Assessment Program utilizes the PACP's Quick Rating methodology to rank the structural and maintenance condition of your system based on industry standards.

PROJECT AREA AND DESCRIPTION

Project No. Y0TV1314B2 included sewer lines located in the unincorporated Los Angeles County and the Cities of Commerce, Glendora, Industry, La Cañada Flintridge, and Walnut. Enclosed for your reference is an overview map of the project area within your City (Enclosure 1).

DEFECT GRADE DESCRIPTION

The Quick Rating indicates the number of occurrences for the highest severity grade for each pipe segment for either maintenance or structural defects. A grade of 1 indicates that a pipe segment is in excellent condition with minor defects while a grade of 5 indicates that a pipe segment may require immediate attention. A legend of the five possible defect grades is as follows:

Grade	Defect Grade Description
1:	MINOR
2:	MINOR TO MODERATE
3:	MODERATE
4:	SIGNIFICANT
5:	MOST SIGNIFICANT

MAINTENANCE REPORT

Our inspection revealed that approximately 95.7 percent of the system televised in your City as part of Project No. Y0TV1314B2 was free of significant blockages or restrictions that would impede sewer flows. However, the remaining 4.3 percent of the pipe segments within the City had a PACP maintenance grade of 3, 4, or 5 as indicated in the Quick Maintenance Rating Table shown below. These segments have been incorporated into our routine cleaning schedule with corrective action taken.

A color-coded map showing the quick maintenance rating for each pipe segment is provided in Enclosure 2.

QUICK MAINTENANCE RATING TABLE

DEFECT GRADE	PIPE LENGTH (FT)	PERCENT OF TOTAL INSPECTED PIPE LENGTH	NO. OF SEGMENTS
1: Minor	8,515	82.2	32
2: Minor to Moderate	1,400	13.5	4
3: Moderate	379	3.7	2
4: Significant	62	0.6	1
5: Most Significant	0	0	0
TOTAL	10,356	100.0	39

Lateral Notices

Our inspection revealed that lateral notices are not needed for pipe segments in your City's system.

High Water Levels

Our inspection revealed that high water levels were not detected in any pipe segments in your City's system.

Infiltration

Our inspection revealed that infiltration was not detected in any pipe segments in your City's system.

STRUCTURAL REPORT

Our inspection revealed that approximately 93.7 percent of the inspected pipe segments within the City were free of severe structural defects. However, the remaining 6.3 percent of the inspected pipe segments had a PACP structural grade of 4 or 5 as indicated in the Quick Structural Rating Table shown below. These segments have been placed on a priority list based on the severity and the need for action. For items 1 through 2 in the Quick Structural Rating Report Priority List (Enclosure 3), which warrant a corrective action, the proposed corrective action will be programmed in the next 24 months as part of the ongoing Accumulative Capital Outlay Program.

A color-coded map showing the Quick Structural Rating for each pipe segment is located in Enclosure 3.

QUICK STRUCTURAL RATING TABLE

DEFECT GRADE	PIPE LENGTH (FT)	PERCENT OF TOTAL INSPECTED PIPE LENGTH	NO. OF SEGMENTS
1: Minor	6,894	66.6	27
2: Minor to Moderate	2,362	22.8	8
3: Moderate	445	4.3	2
4: Significant	655	6.3	2
5: Most Significant	0	0	0
TOTAL	10,356	100.0	39

CONDITION ASSESSMENT PROJECTS

The Sewer Condition Assessment Program performed the condition assessment of the sewer lines within the City according to the following schedule:

FISCAL YEAR	PROJECT NAME	LENGTH (FT)	PERCENTAGE OF SYSTEM	STATUS
2005-06	Y0TV0506E	26,566	10.4	COMPLETED
2009-10	Y0TV0910C	83,786	32.9	COMPLETED
2013-14	Y0TV1314B1	133,933	52.6	COMPLETED
2013-14	Y0TV1314B2	10,356	4.1	COMPLETED
TOTAL		254,641	100.0	

ENCLOSURE 1

Project Overview Map



Legend

SMD Sanitary Sewers

SMD Manholes

U Other

Manhole Type

(Standard

* DROP

Shallow

W Trap

? Siphon

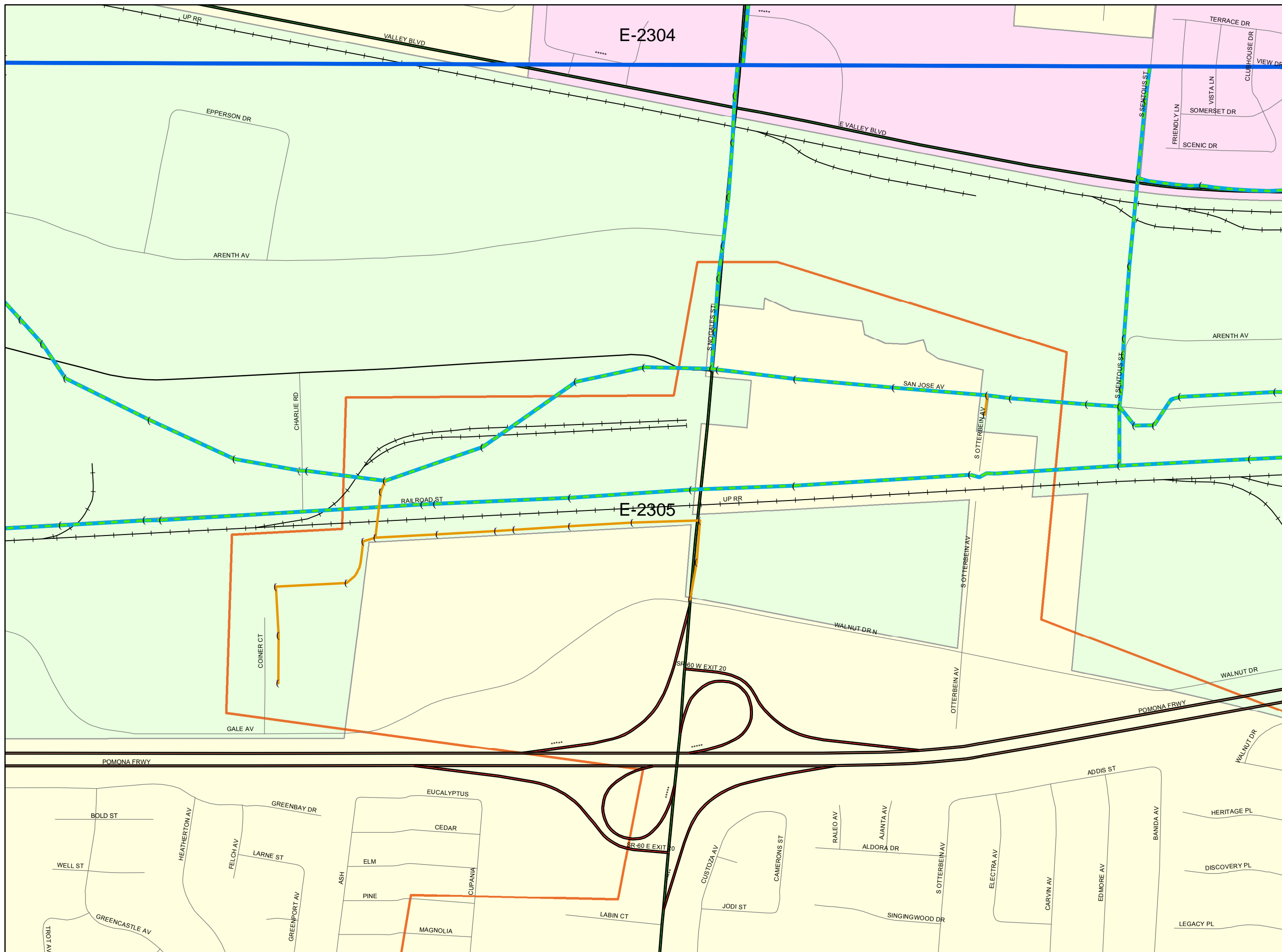
I SMD Pump Stations

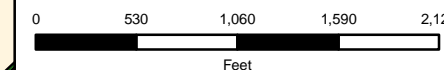
SMD Treatment Plants

Trunk Sewerlines

Y0TV1314B2

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Legend

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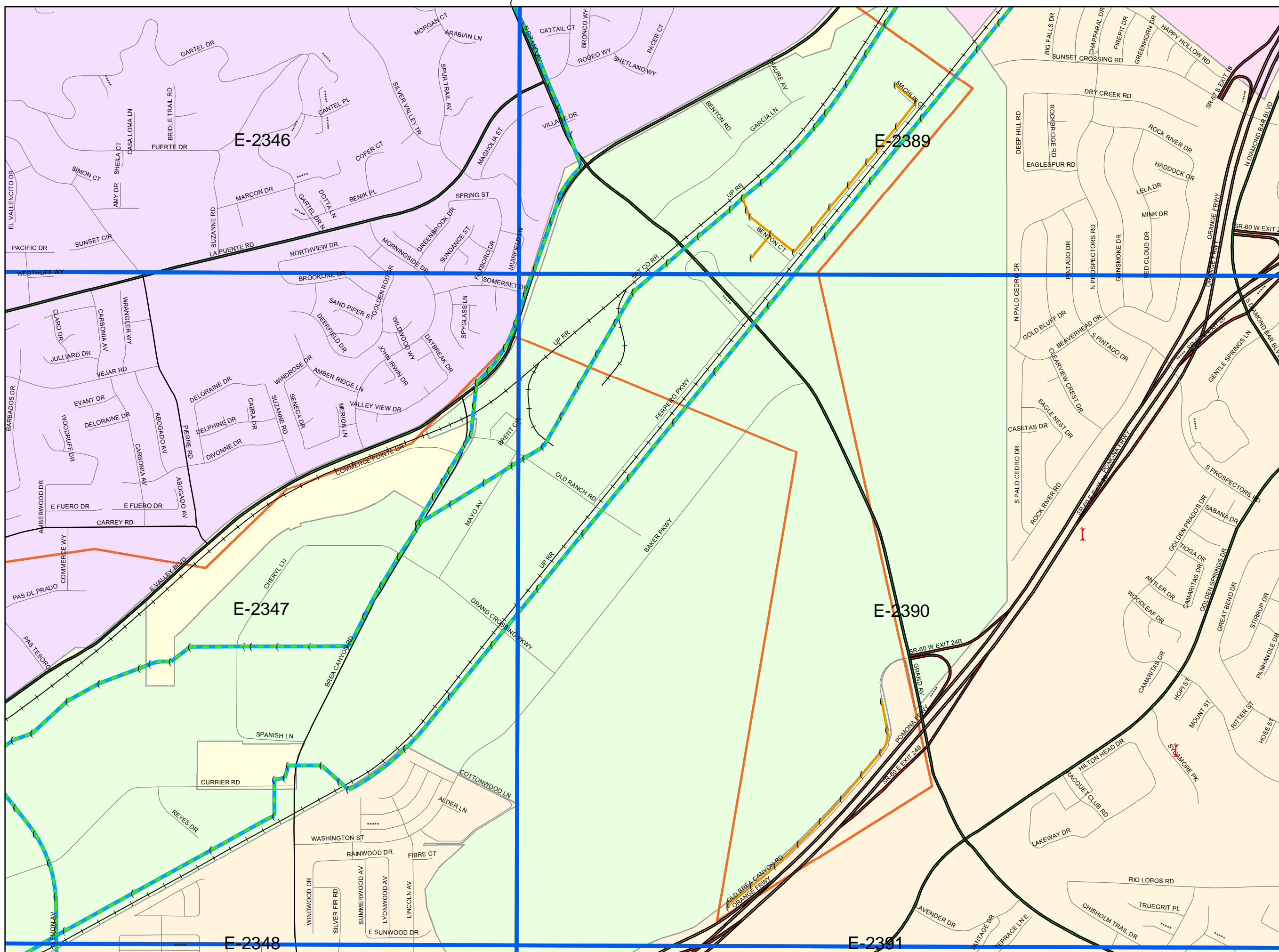
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ENCLOSURE 2

- Quick Maintenance Rating Map

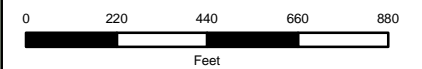
ENCLOSURE 2

CCTV PROJECT

Y0TV1314B2

CITY OF INDUSTRY

QUICK MAINTENANCE RATING



Legend

- 1: MINOR
- 2: MINOR TO MODERATE
- 3: MODERATE
- 4: SIGNIFICANT

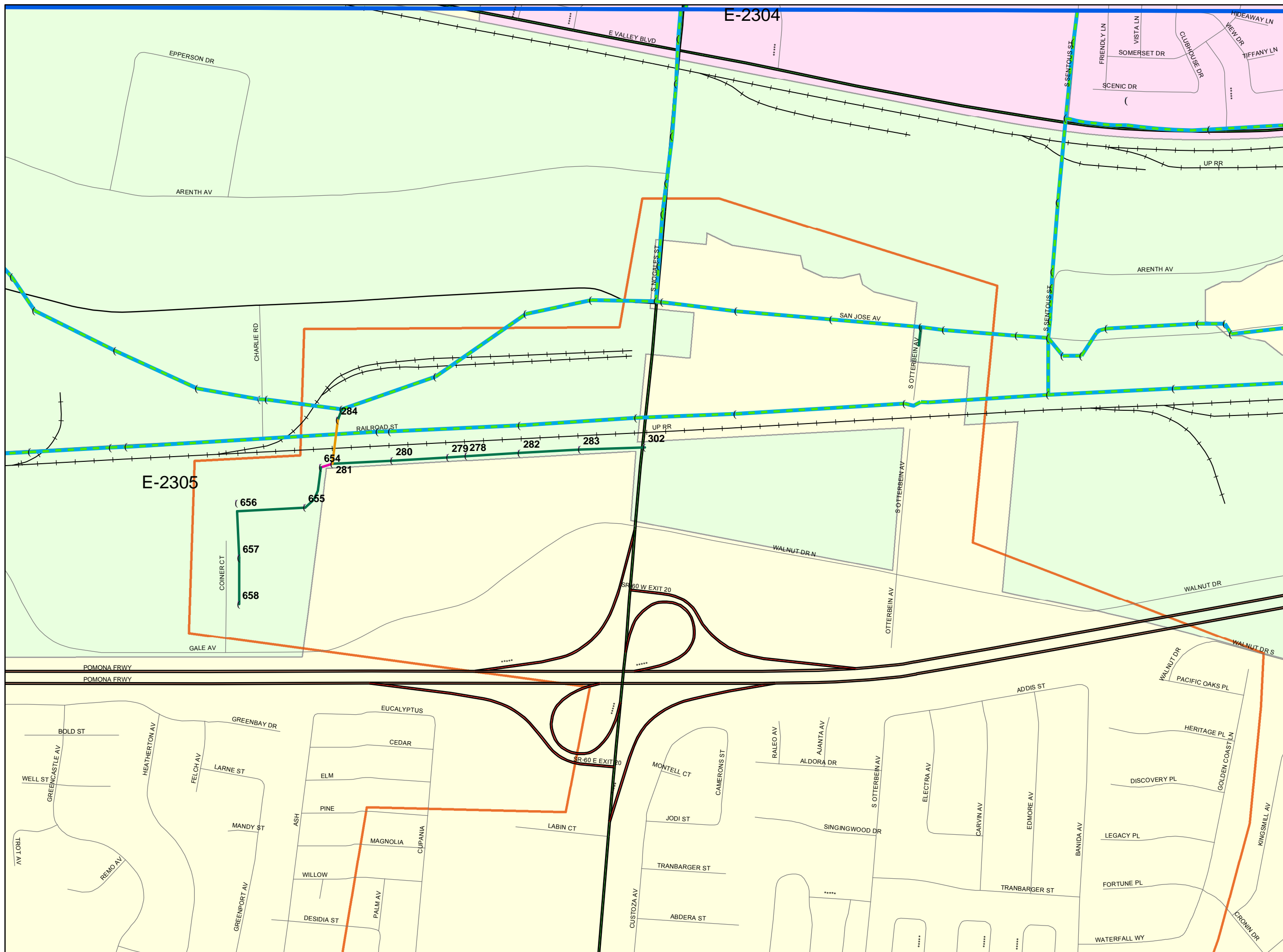
SMD Manholes

- Other
- Standard
- DROP
- Shallow
- Trap
- Siphon
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- SMD Treatment Plants

- Trunk Sewerlines
- SMD Operation Map
- Y0TV1314B2

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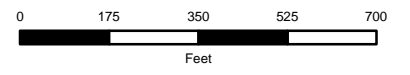
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CCTV PROJECT

Y0TV1314B2

CITY OF INDUSTRY

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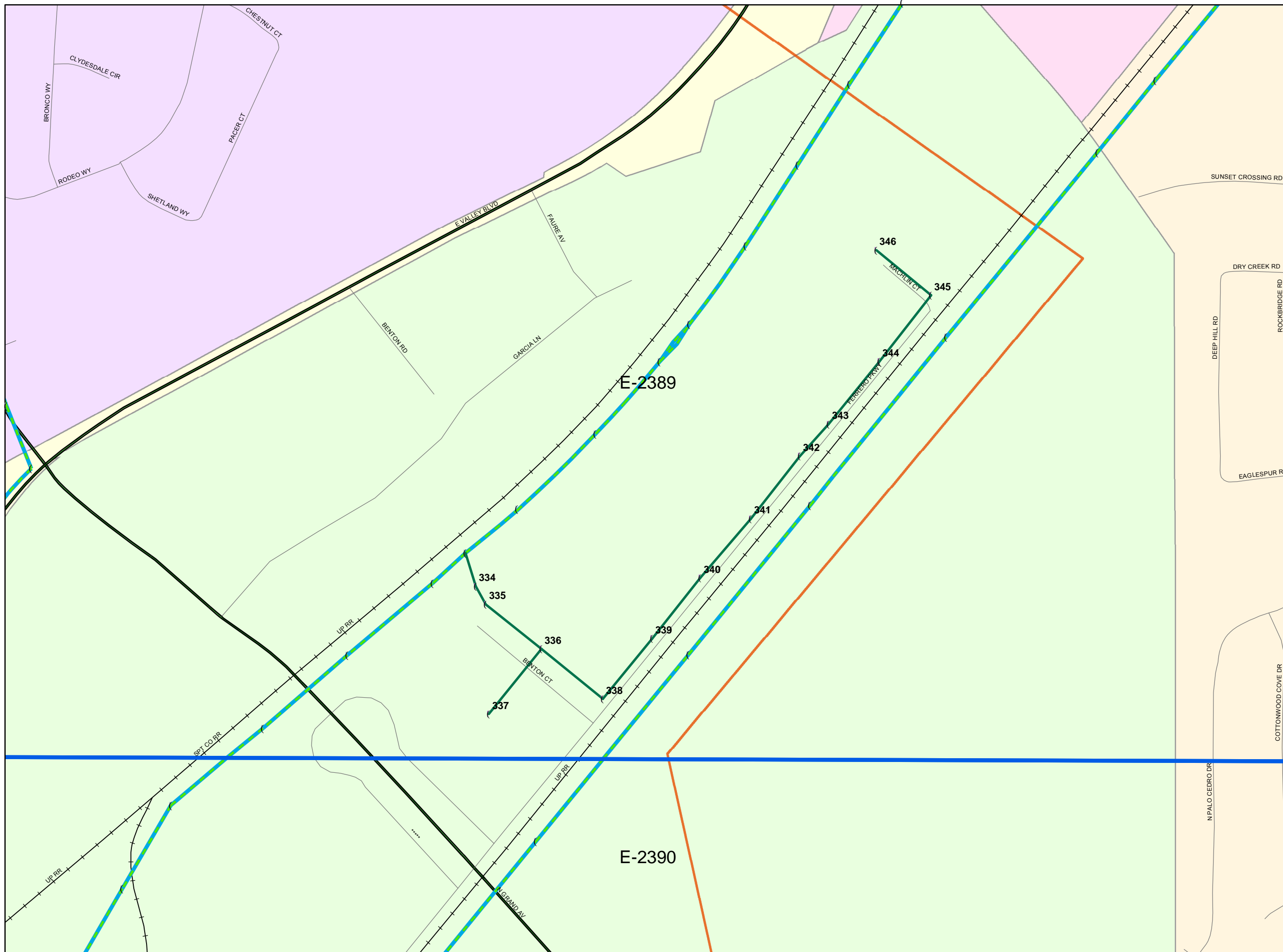
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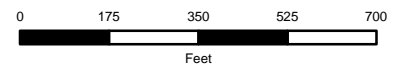
ENCLOSURE 2

CCTV PROJECT

Y0TV1314B2

CITY OF
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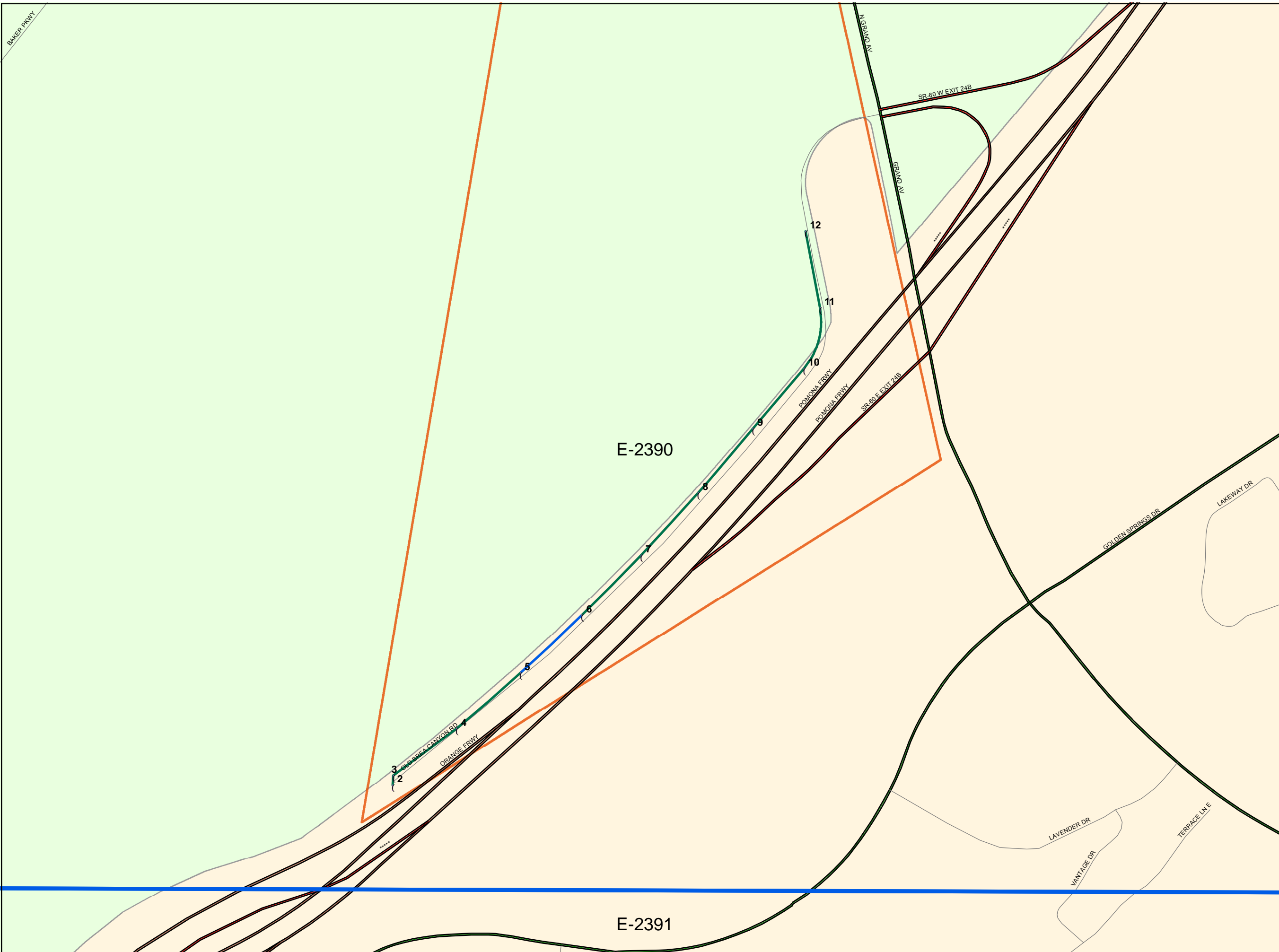
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ENCLOSURE 3

- Quick Structural Rating Report
Priority List
- Quick Structural Rating Map

ENCLOSURE 3
QUICK STRUCTURAL RATING REPORT PRIORITY LIST
CITY OF INDUSTRY (Y0TV1314B2)

ITEM NO.	START MH	END MH	STREET	OBSERVATION	PROPOSED CORRECTIVE ACTION
1	2305-0281	2305-0284	UPRR	Fractures	Lining: MH to MH
2	2390-0006	2390-0005	BREA CANYON RD	Fractures	No action needed*

*Structural deficiencies are categorized into groups of defects or observations with a wide range of severity. Each of these deficiencies received additional post inspection review and some of these were determined not likely to interfere with the normal operation of the sewer line due to the severity, size, and/or location of the deficiency. These segments will be reviewed during the next cycle of CCTV inspections.

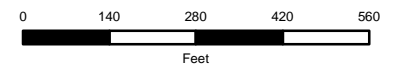
ENCLOSURE 3

CCTV PROJECT

Y0TV1314B2

CITY OF
INDUSTRY

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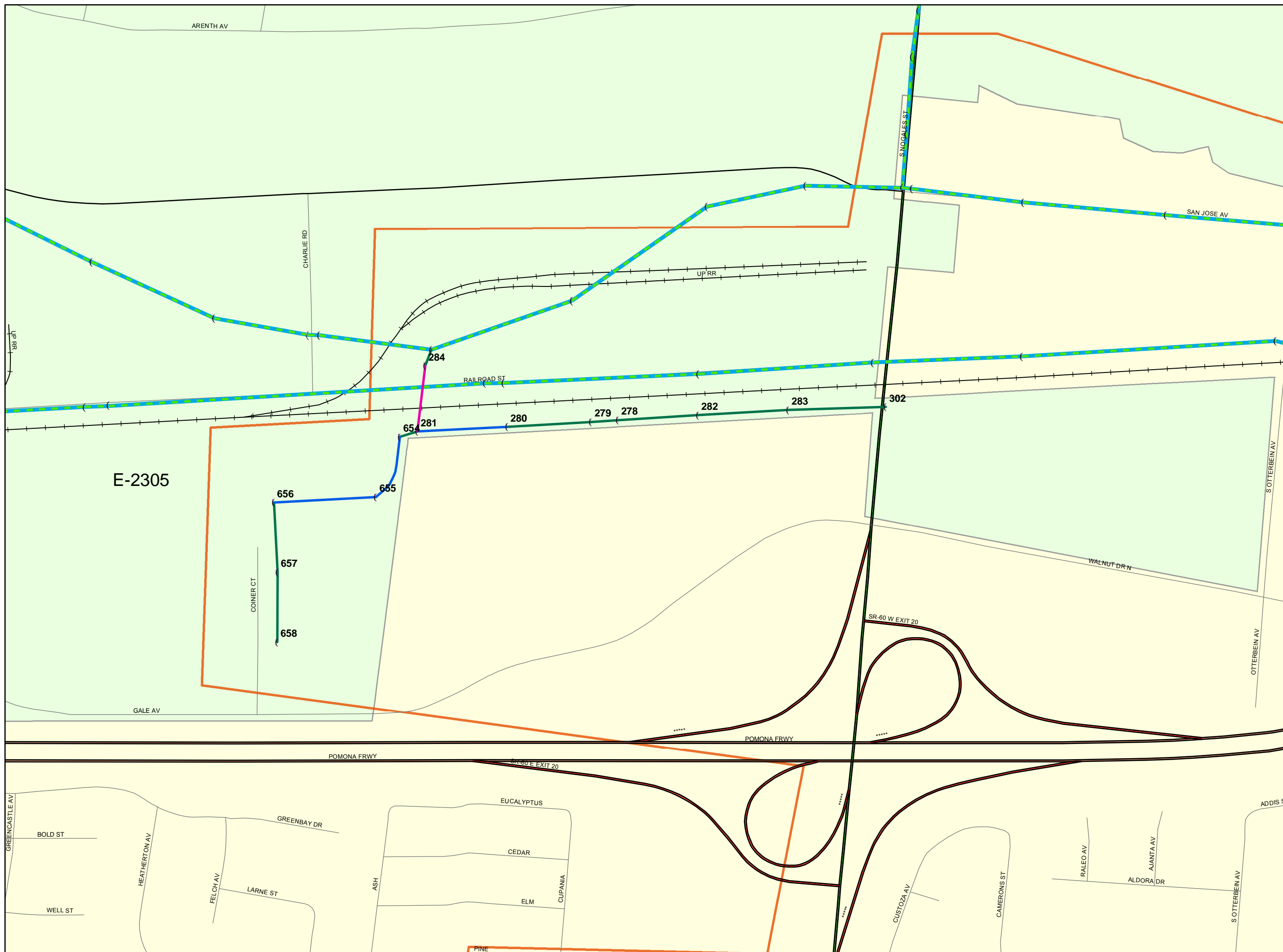
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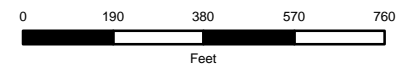
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CCTV PROJECT

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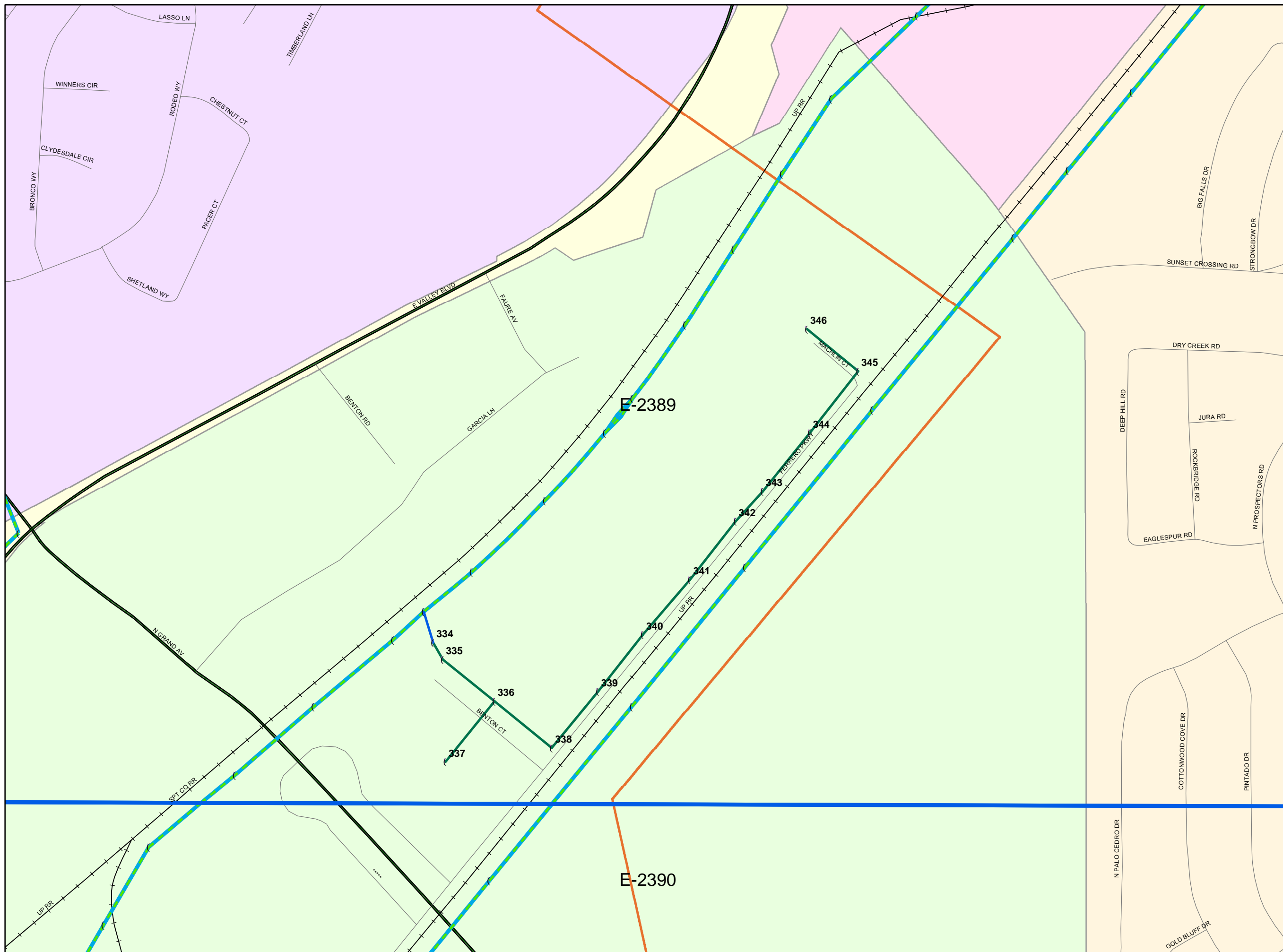
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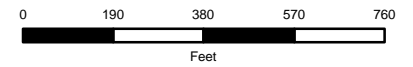
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