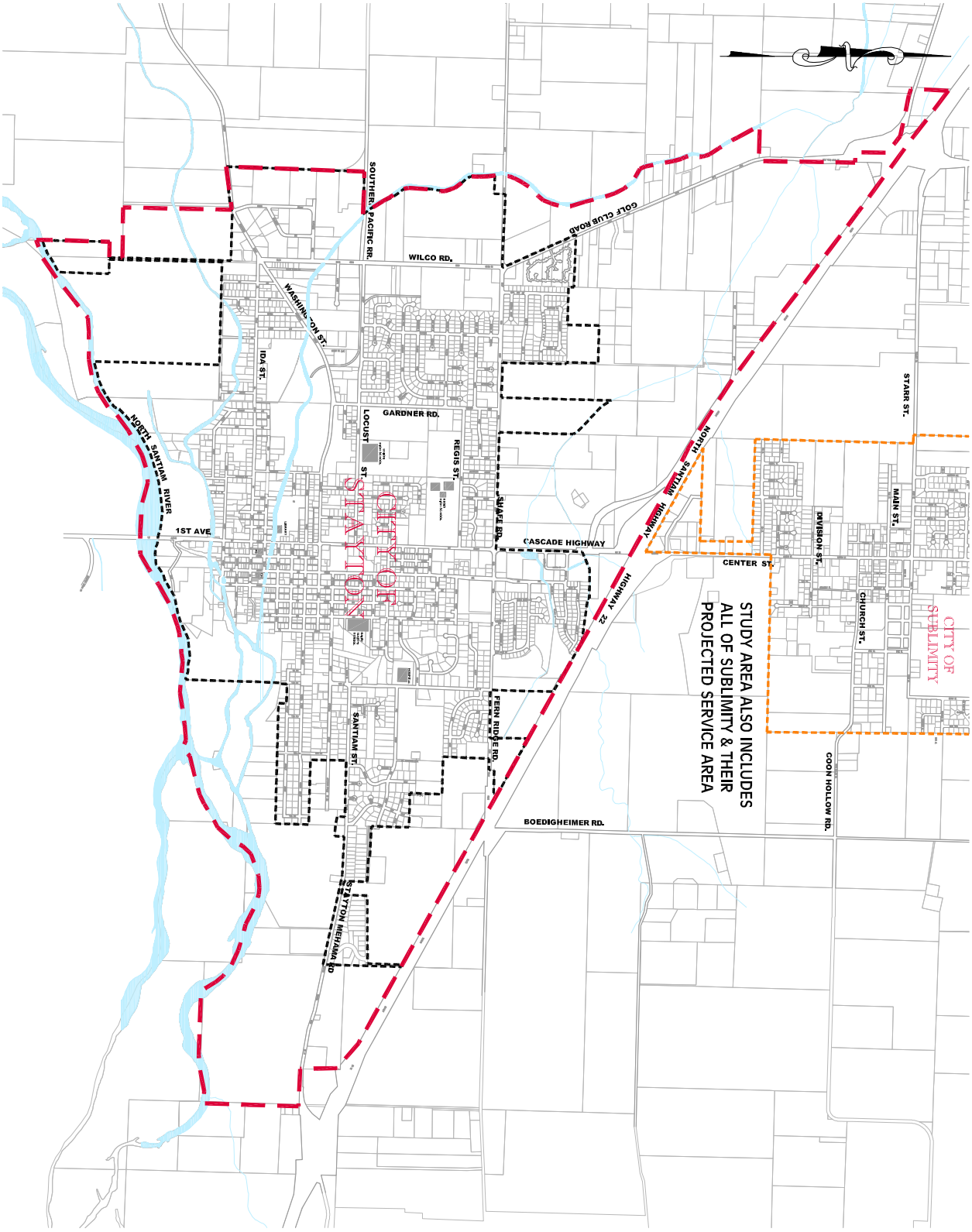
Appendix A Figures

W:\Work\103003\Design\Figures\12-12-05-Collection Sys Draft\003-fig02_01.dwg



LEGEND

- STAYTON CITY LIMITS
- SUBLIMITY CITY LIMITS
- STUDY AREA

FIGURE 2.1

Study Area

Wastewater Collection Facilities Planning Study

KELLER ASSOCIATES

KA:103003

003-fig02_01.dwg

W:\Work\103003\Design\Figures\12-12-05-Collection Sys Draft\003-fig02_02.dwg

FIGURE 2.2

Contour Map

Wastewater Collection Facilities Planning Study

KELLER ASSOCIATES

KA:103003

003-fig02_02.dwg

W:\Work\103003\Design\Figures\12-12-05-Collection Sys Draft\003-fig02_03.dwg

LEGEND

CITY LIMITS

URBAN GROWTH BOUNDARY

FIGURE 2.3

Aerial Map

Wastewater Collection Facilities Planning Study

KELLER ASSOCIATES

KA:103003

003-fig02_03.dwg

W:\Work\103003\Design\Figures\12-12-05-Collection Sys Draft\003-fig02_04.dwg

FIGURE 2.4

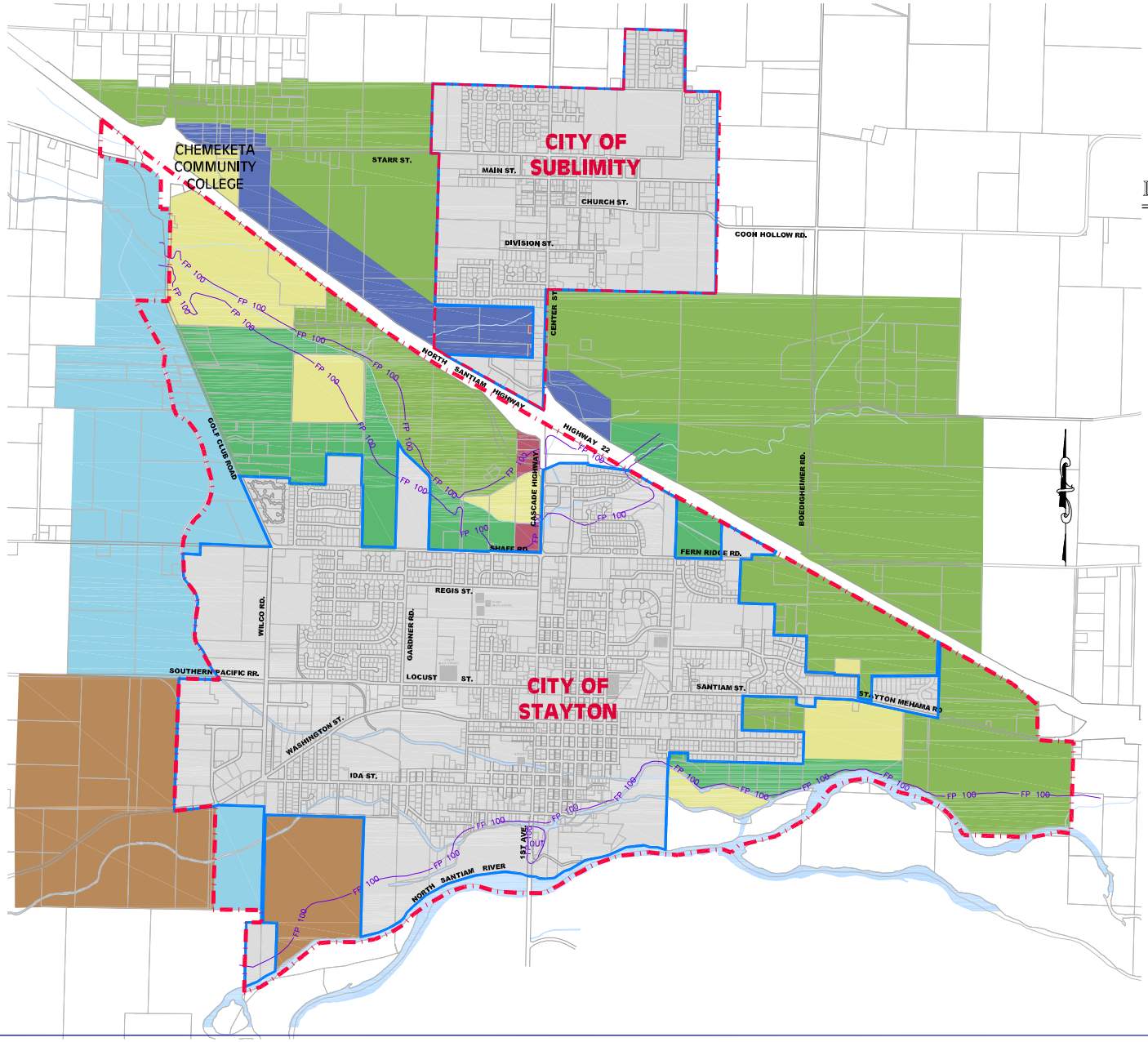
Existing Land Use

Wastewater Collection Facilities Planning Study

KELLER ASSOCIATES

KA:103003

003-fig02_04.dwg



LEGEND

- CITY LIMITS
- URBAN GROWTH BOUNDARY
- FP 100 — 2003 100-YEAR FLOOD PLAIN BOUNDARY

EXISTING ZONING

- EXISTING ZONING (SEE FIGURE 3.2 FOR LAND USE)

FUTURE ZONING

- COMMERCIAL ZONING
- COMMERCIAL RETAIL ZONING
- INDUSTRIAL AGRICULTURE ZONING
- INDUSTRIAL COMMERCIAL ZONING
- LIGHT INDUSTRIAL ZONING
- INTERCHANGE DEVELOPMENT ZONING
- LOW DENSITY RESIDENTIAL ZONING
- MEDIUM TO HIGH DENSITY RESIDENTIAL
- PUBLIC AND SEMI-PUBLIC ZONING

W:\Work\103003\Design\Figures\12-12-05-Collection Sys Draft\003-fig02_05.dwg

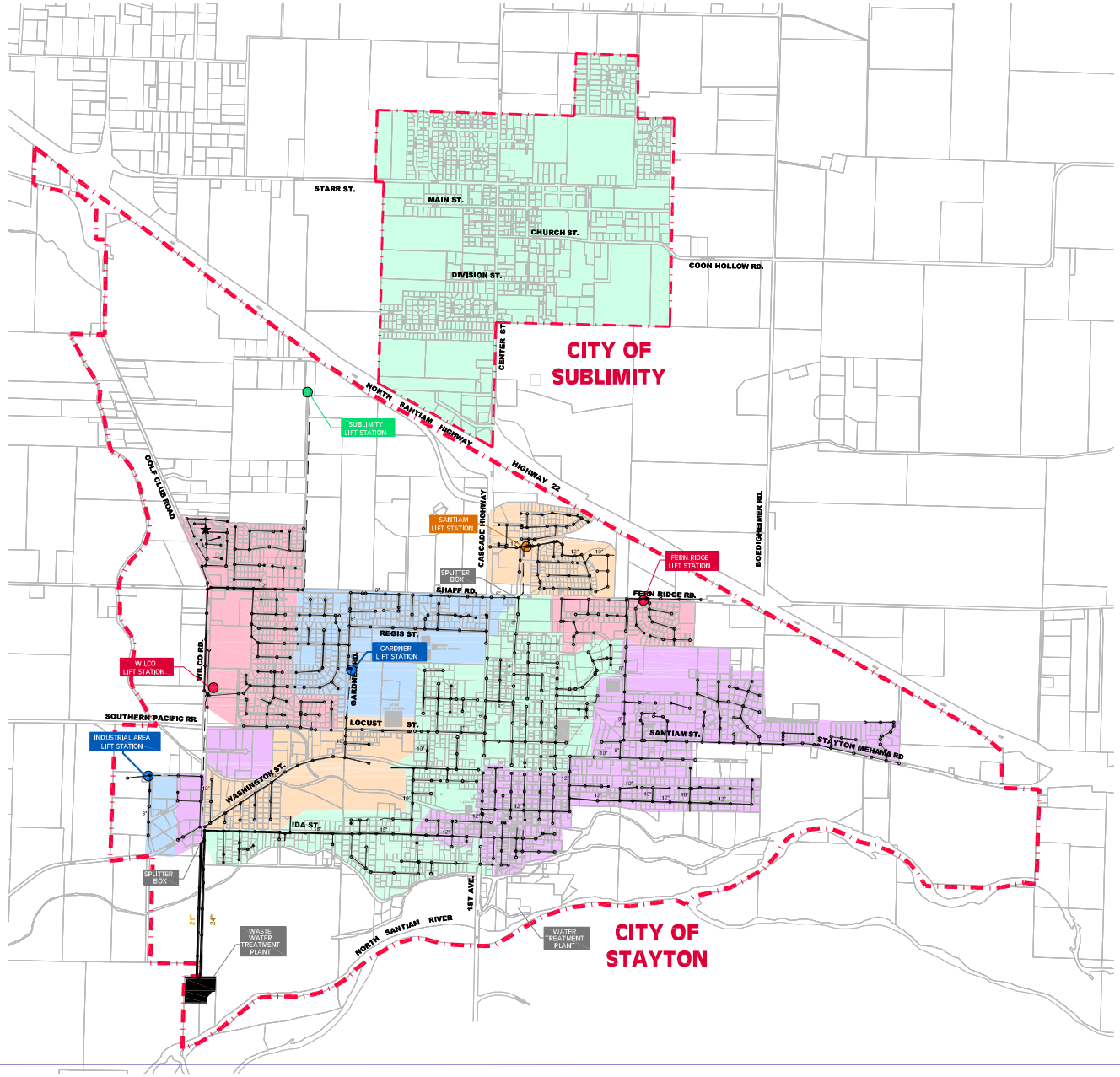
KA:103003
003-fig02_05.dwg

KELLER ASSOCIATES

Wastewater Collection Facilities Planning Study

Future Land Use Map

FIGURE 2.5



LEGEND

URBAN GROWTH BOUNDARY

W:\Work\103003\Design\Figures\12-12-05-Collection Sys Draft\003-CSFig03_01.dwg

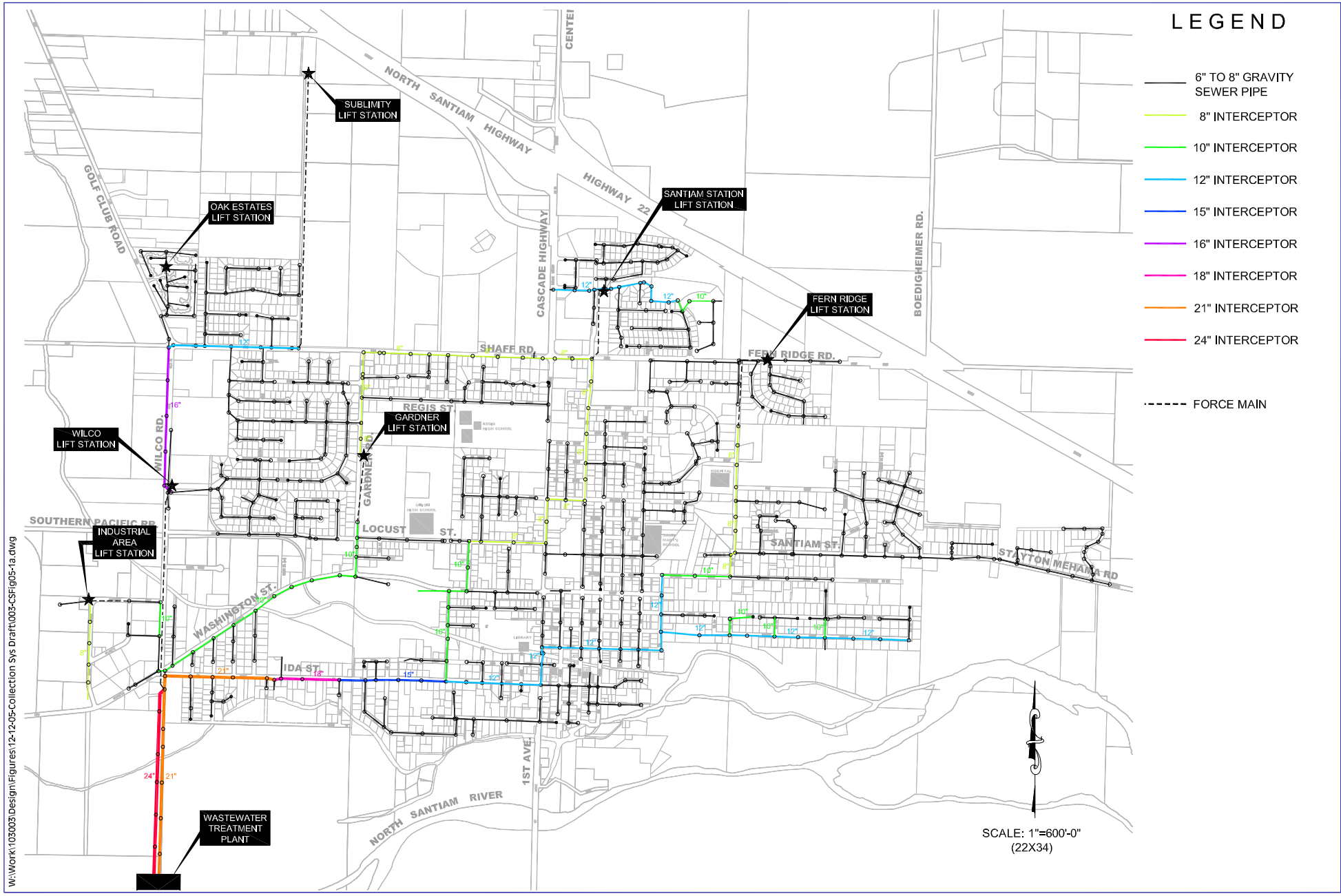
KA:103003
003-CSFig03_01.dwg

KELLER ASSOCIATES

Wastewater Collection Facilities Planning Study

Existing Sewer Sheds

FIGURE 3.1



W:\Work\103003\Design\Figures\12-12-05-Collection Sys Draft\003-CSFig05-1a.dwg

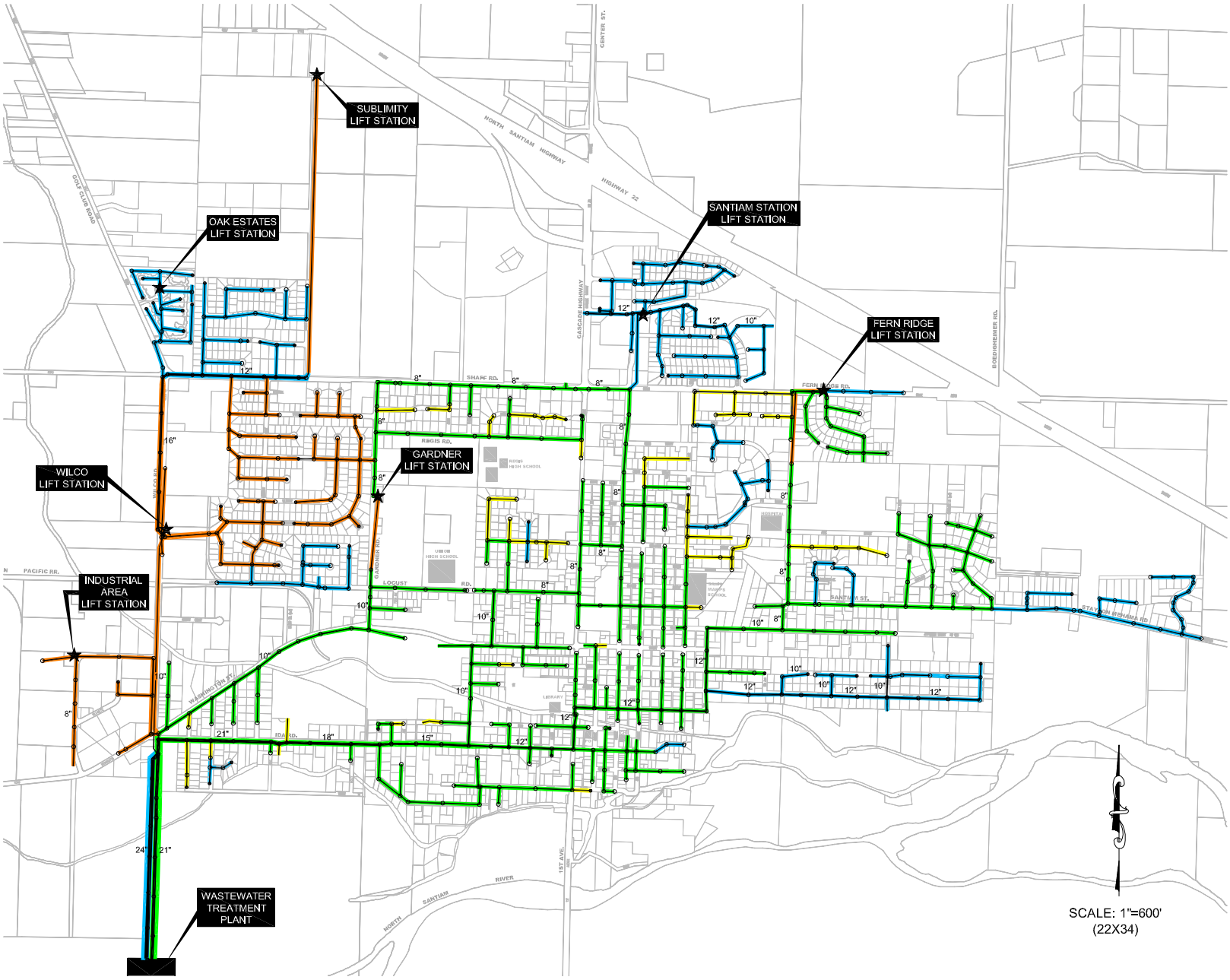
KA:103003
003-CSFig05-1a.dwg

KELLER ASSOCIATES

Wastewater Collection
Facilities Planning Study

Existing System

FIGURE
5.1



LEGEND

- CONCRETE (49 %)
- ASBESTOS CEMENT (13 %)
- PVC (30%)
- UNKNOWN (LIKELY CONC) (8 %)

W:\Work\103003\Design\Figures\12-12-05-Collection Sys Draft\003-CSFig05-2a.dwg

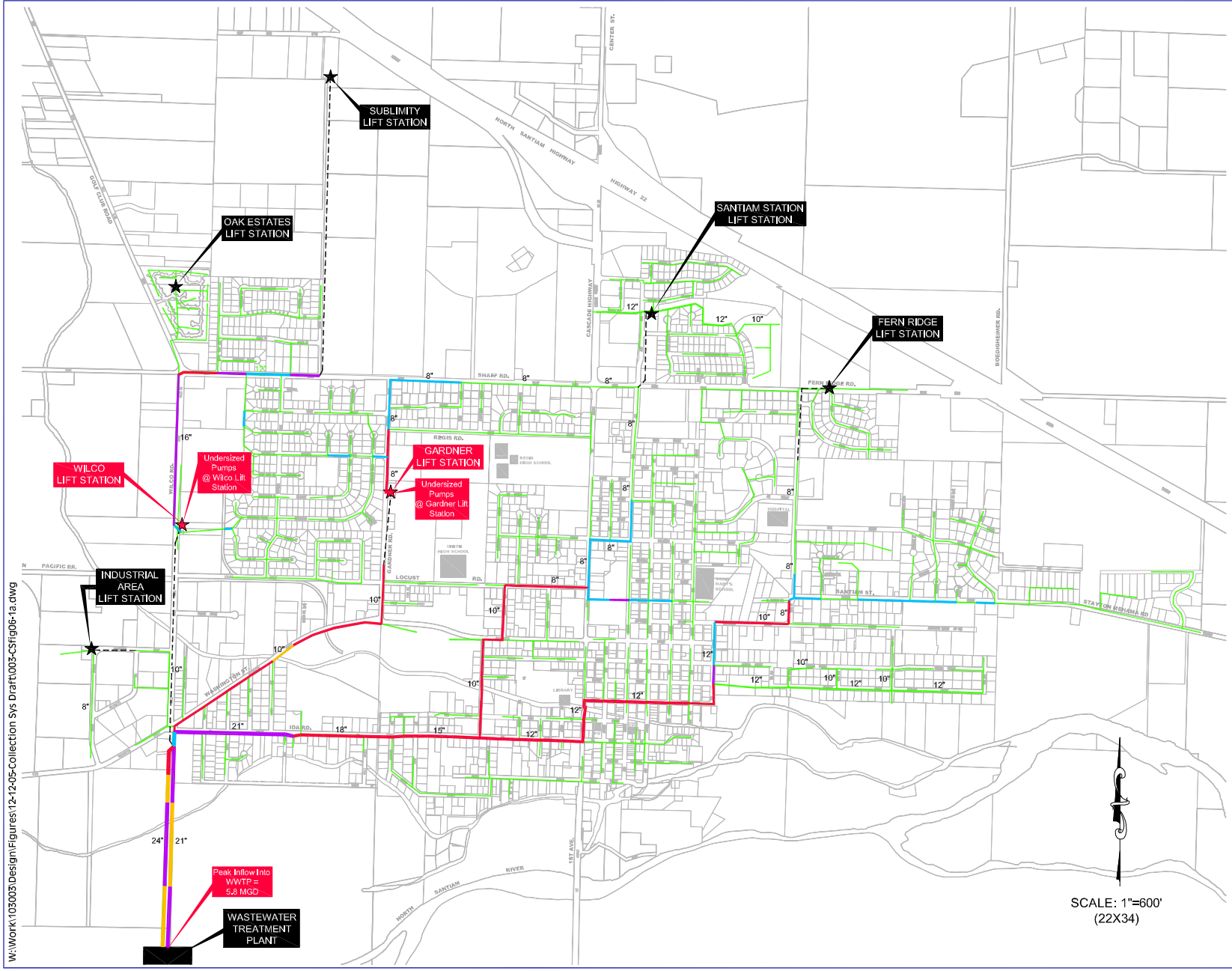
KA:103003
003-CSFig05-2a.dwg

KELLER ASSOCIATES

Wastewater Collection
Facilities Planning Study

Existing Collection System Pipe Types

FIGURE 5.2



LEGEND

CAPACITIES

- 00% TO 50%
- 50% to 75%
- 75% TO 90%
- 90% TO 100%
- EXCEEDS CAPACITY (Surcharges)
- FORCE MAIN

W:\Work\103003\Design\Figures\12-12-05-Collection Sys Draft\003-CSfig06-1a.dwg

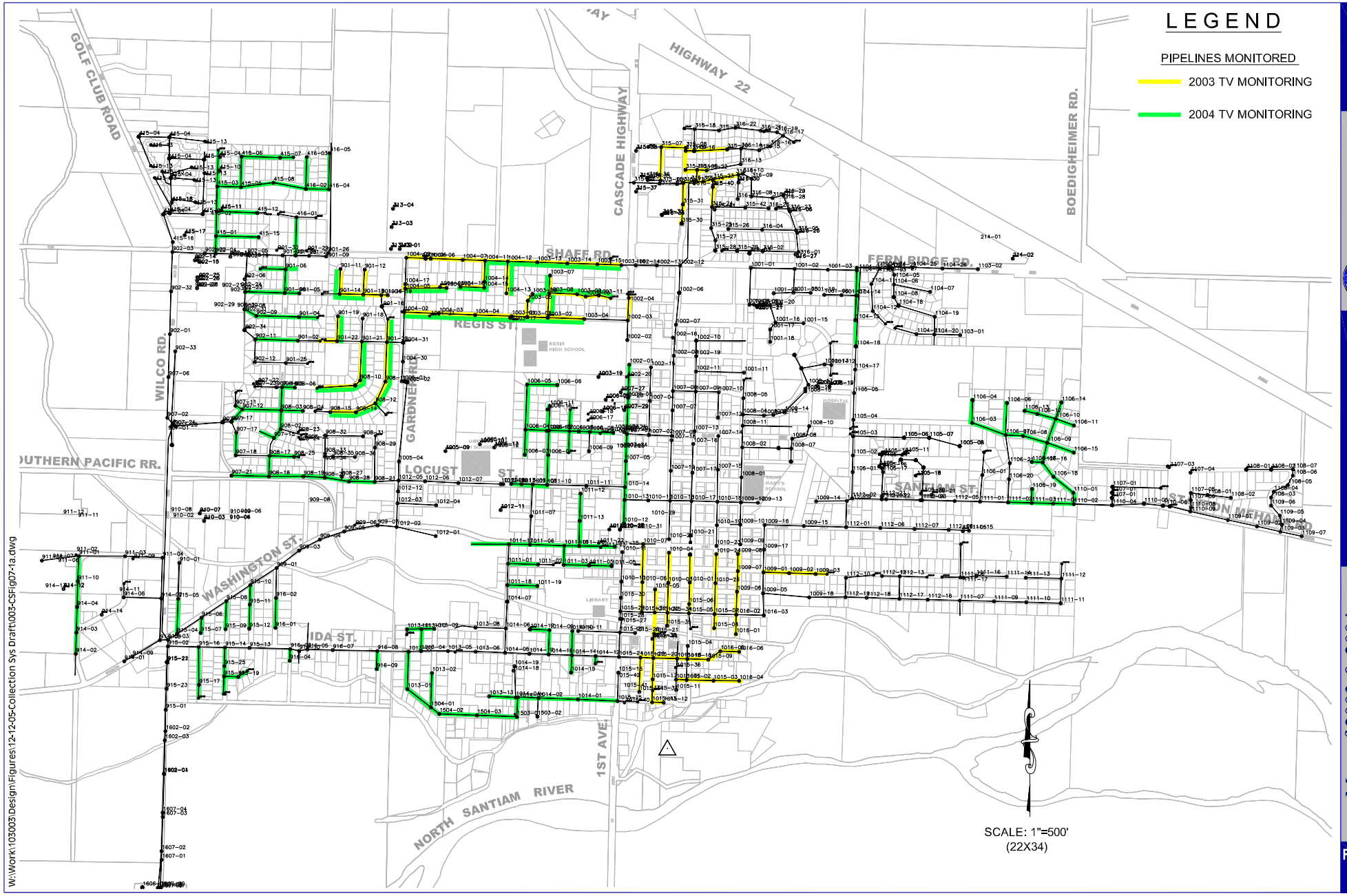
KA:103003
003-CSfig06-1a.dwg

KELLER ASSOCIATES

Wastewater Collection
Facilities Planning Study

Existing Pipeline Capacities at Peak Flow

FIGURE 6.1



W:\Work\103003\Design\Figures\12-12-05-Collection Sys Draft\003-CSFig07-1a.dwg

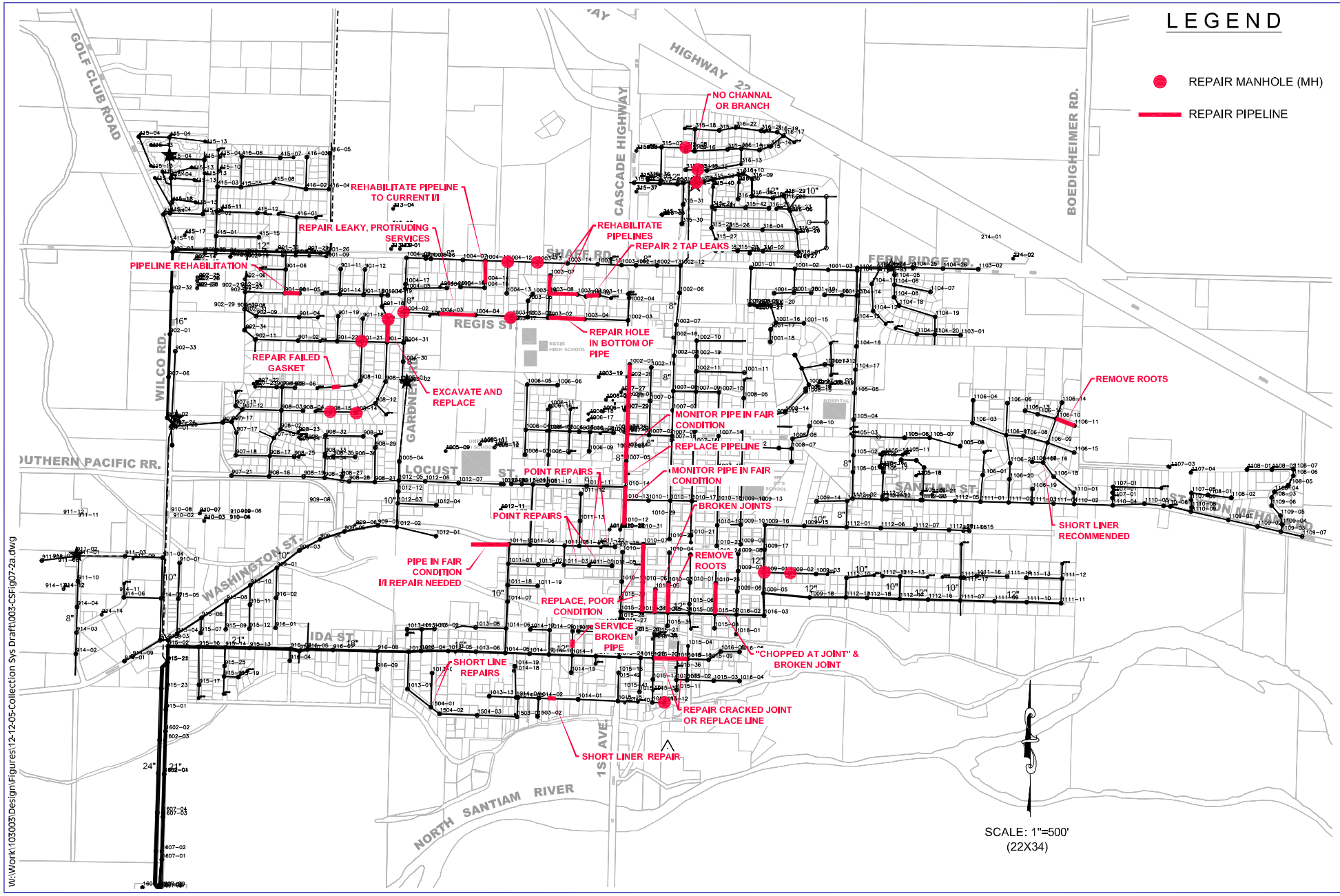
KA:103003
003-CSFig07-1a.dwg

KELLER ASSOCIATES

Wastewater Collection
Facilities Planning Study

Map of 2003 & 2004
TV Monitoring

FIGURE
7.1



W:\Work\103003\Design\Figures\12-12-05-Collection Sys Draft\003-CSFig07-2a.dwg

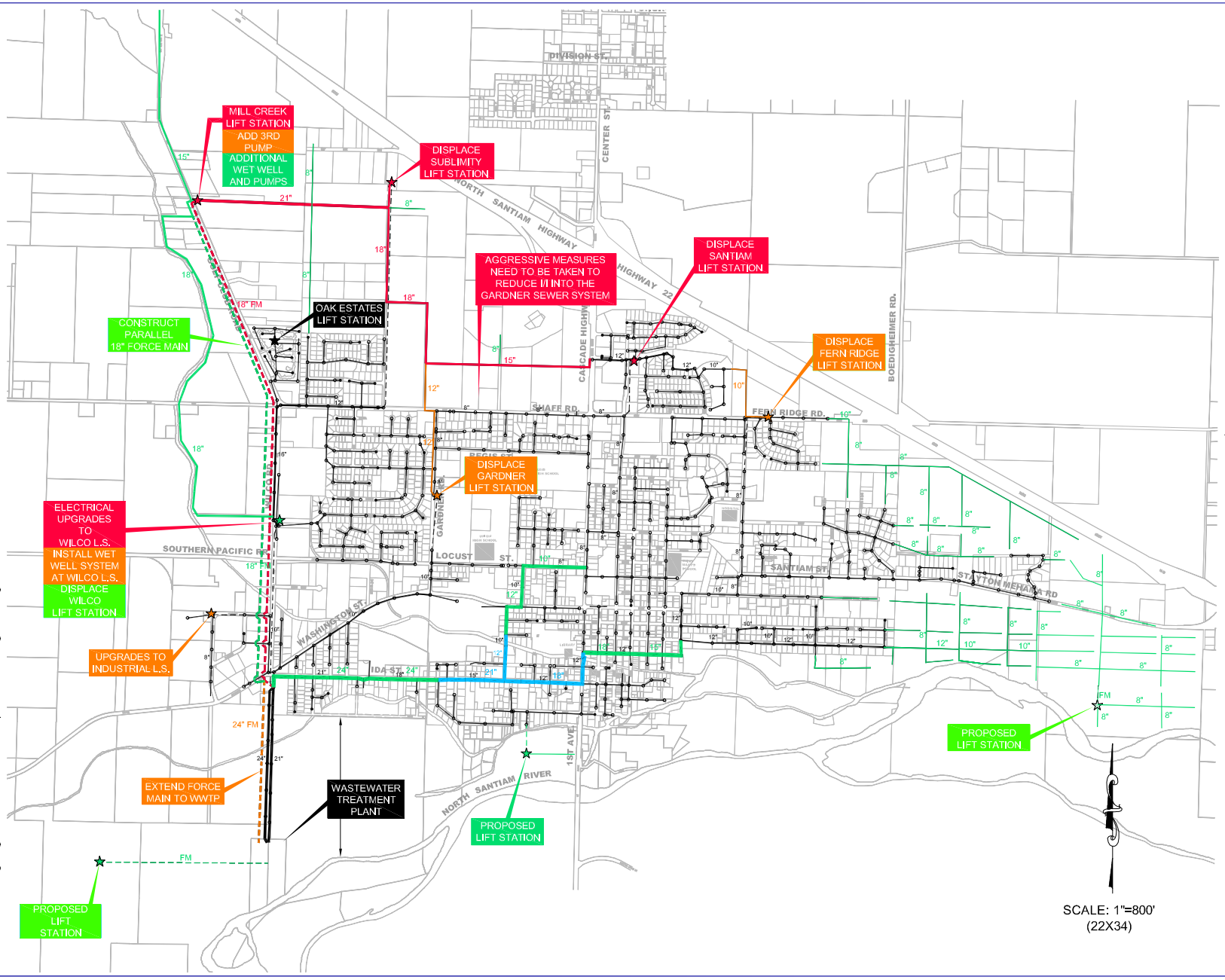
KA:103003
003-CSFig07-2a.dwg

KELLER ASSOCIATES

Wastewater Collection Facilities Planning Study

Recommandations from 2003 & 2004 TV Monitoring

FIGURE 7.2



LEGEND

- EXISTING FORCE MAIN
- PRIORITY 1 IMPROVEMENTS (2005)
- PRIORITY 2 IMPROVEMENTS (2010)
- PRIORITY 3 IMPROVEMENTS (2015)
- FUTURE IMPROVEMENTS

OTHER PRIORITY IMPROVEMENTS:

- ESTABLISH PIPELINE AND MANHOLE REHABILITATION PROGRAM.
- ESTABLISH FLOW AND TV MONITORING PROGRAM.
- PURCHASE T.V. INSPECTION EQUIPMENT

W:\Work\103003\Design\Figures\12-12-05-Collection Sys Draft\003-CSFig08-1a.dwg

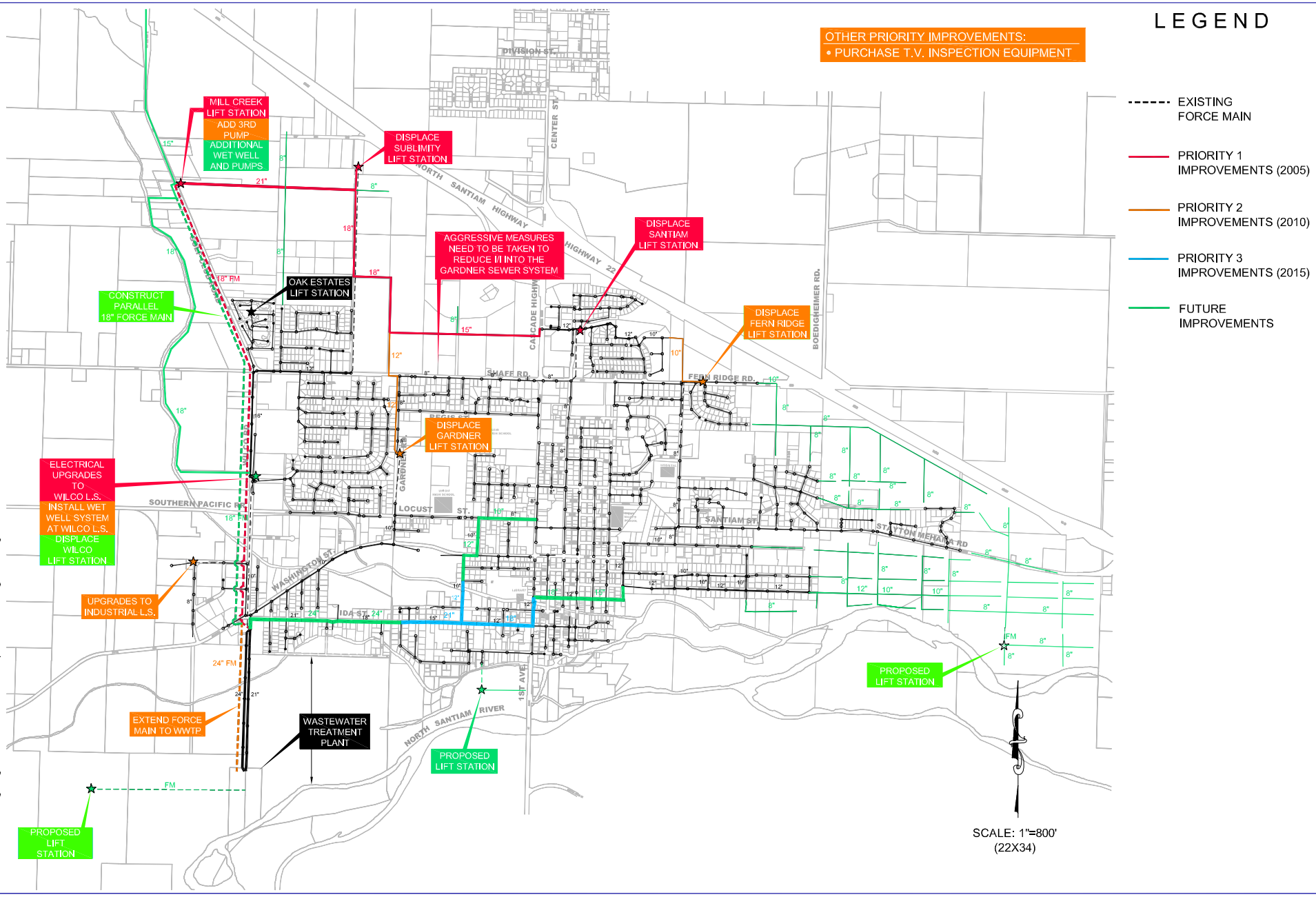
KA:103003
003-CSFig08-1a.dwg

KELLER ASSOCIATES

Wastewater Collection
Facilities Planning Study

Stayton Interceptor
System Master Plan

FIGURE
8.1



W:\Work\103003\Design\Figures\12-12-05-Collection Sys Draft\003-CSFig08-2a.dwg

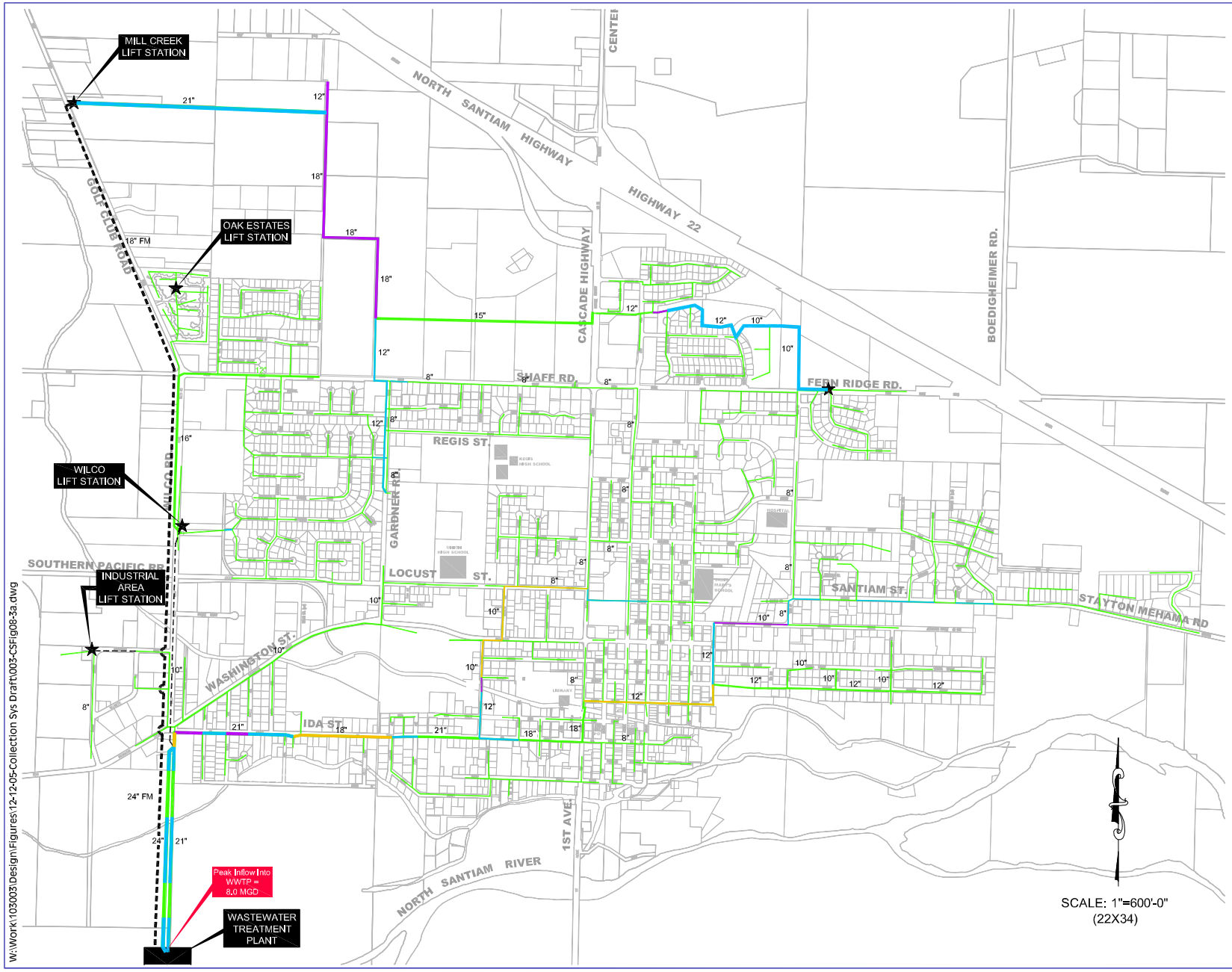
KA:103003
003-CSFig08-2a.dwg

KELLER ASSOCIATES

Wastewater Collection
Facilities Planning Study

Stayton Interceptor
System Master Plan

FIGURE
8.2



W:\Work\103003\Design\Figures\12-12-05-Collection Sys Draft\003-CSFig08-3a.dwg

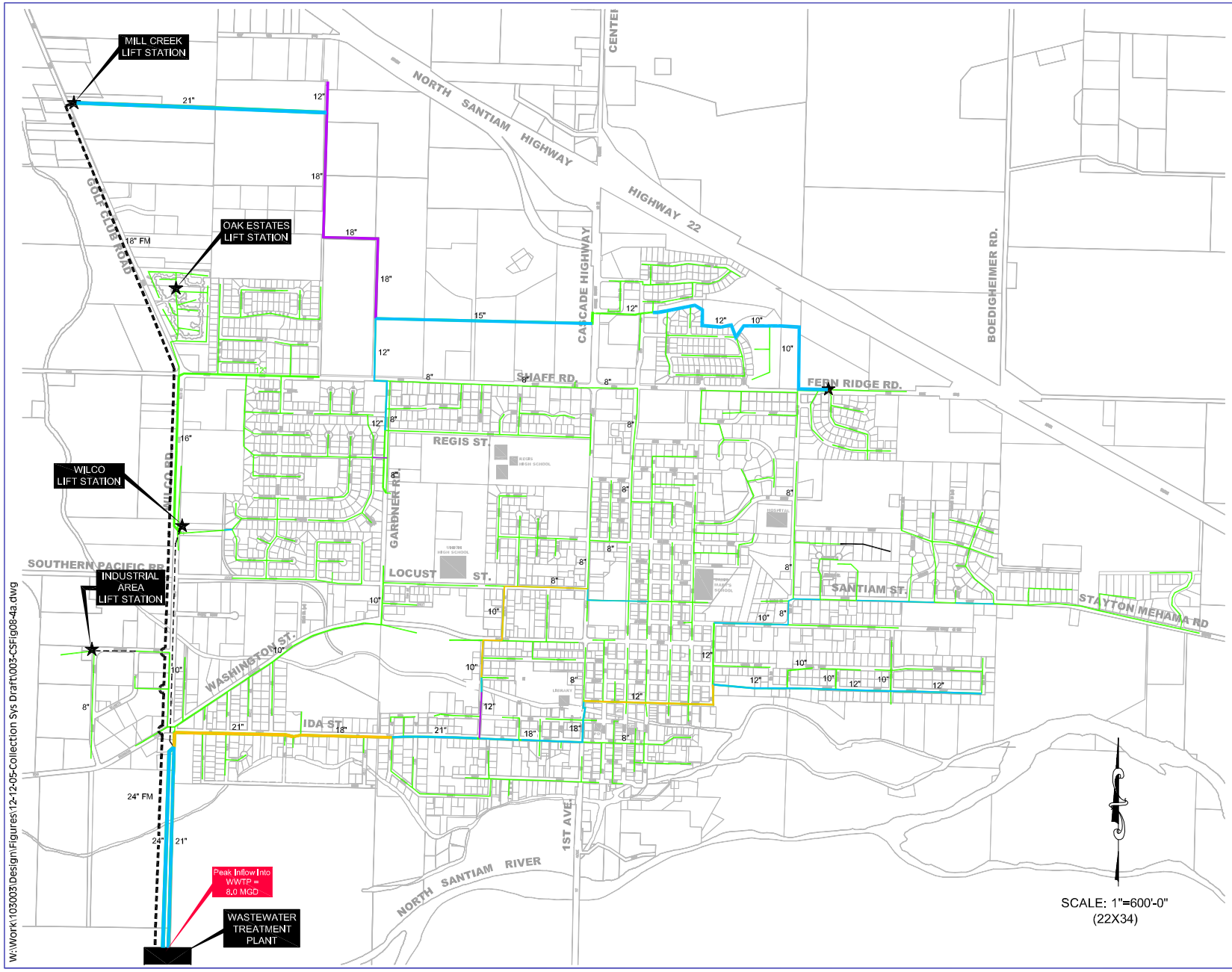
KA:103003
003-CSFig08-3a.dwg

KELLER ASSOCIATES

Wastewater Collection
Facilities Planning Study

2015 Peak Capacity - with
Priority 1,2 & 3 Improvements

FIGURE
8.3



W:\Work\103003\Design\Figures\12-12-05-Collection Sys Draft\003-CSFig08-4a.dwg

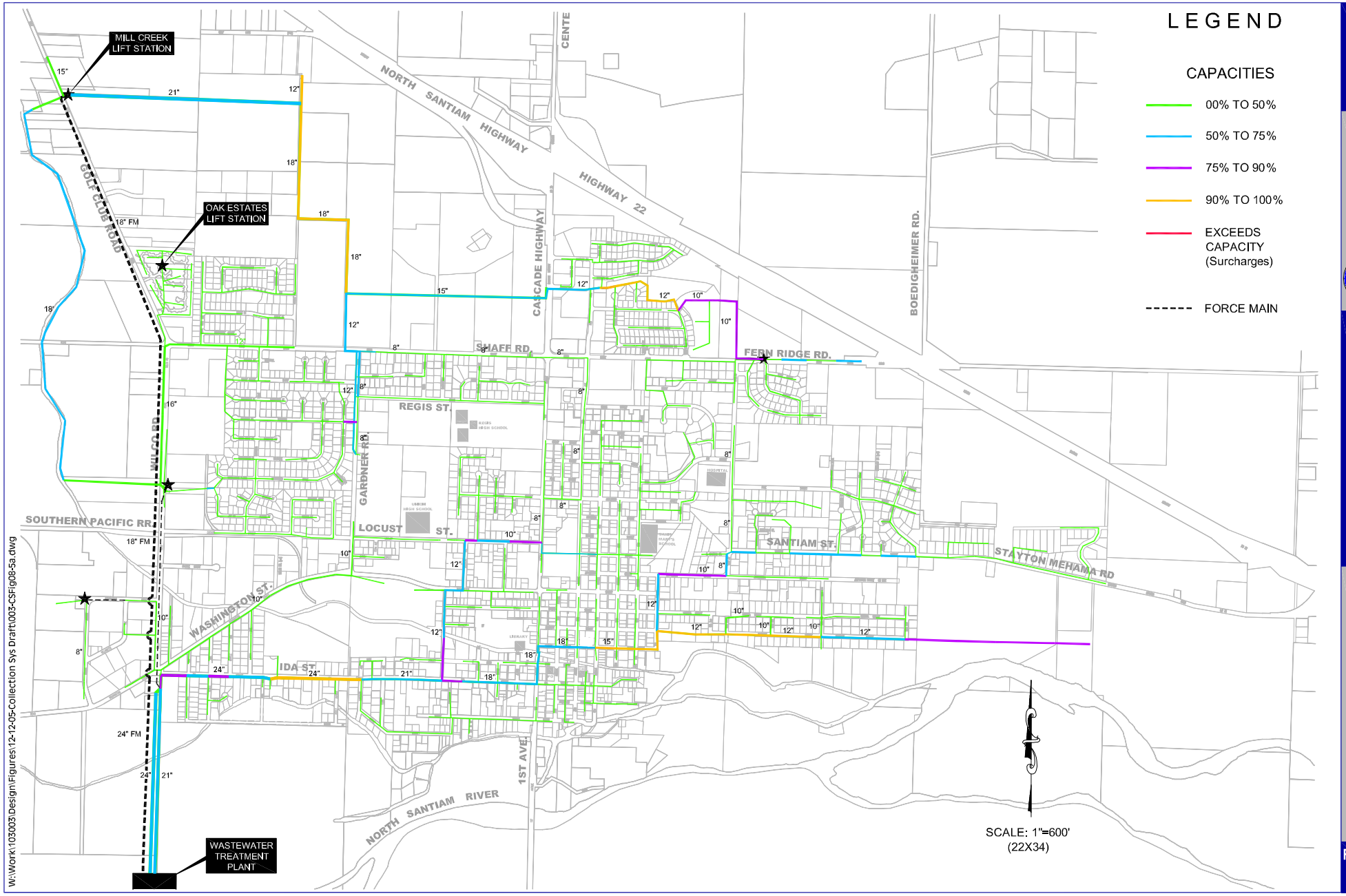
KA:103003
003-CSFig08-4a.dwg

KELLER ASSOCIATES

Wastewater Collection
Facilities Planning Study

2025 Peak Capacity - with Priority 1,2 & 3 Improvements

FIGURE 8.4



W:\Work\103003\Design\Figures\12-12-05-Collection Sys Draft\003-CSFig08-5a.dwg

KA:103003
003-CSFig08-5a.dwg

KELLER ASSOCIATES

Wastewater Collection
Facilities Planning Study

Build-out Peak Hour Capacities with All Improvements

FIGURE 8.5