

## APPENDIX H

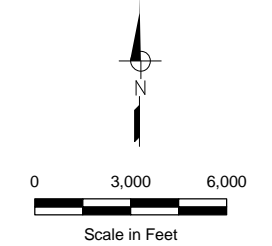
---

### Buildout Potable Water System Pipeline Improvements

**FIGURE H-1**

**City of Tracy  
Water System Master Plan**

**RECOMMENDED  
BUILDOUT POTABLE  
WATER SYSTEM  
PIPELINE IMPROVEMENTS**



**NOTES**

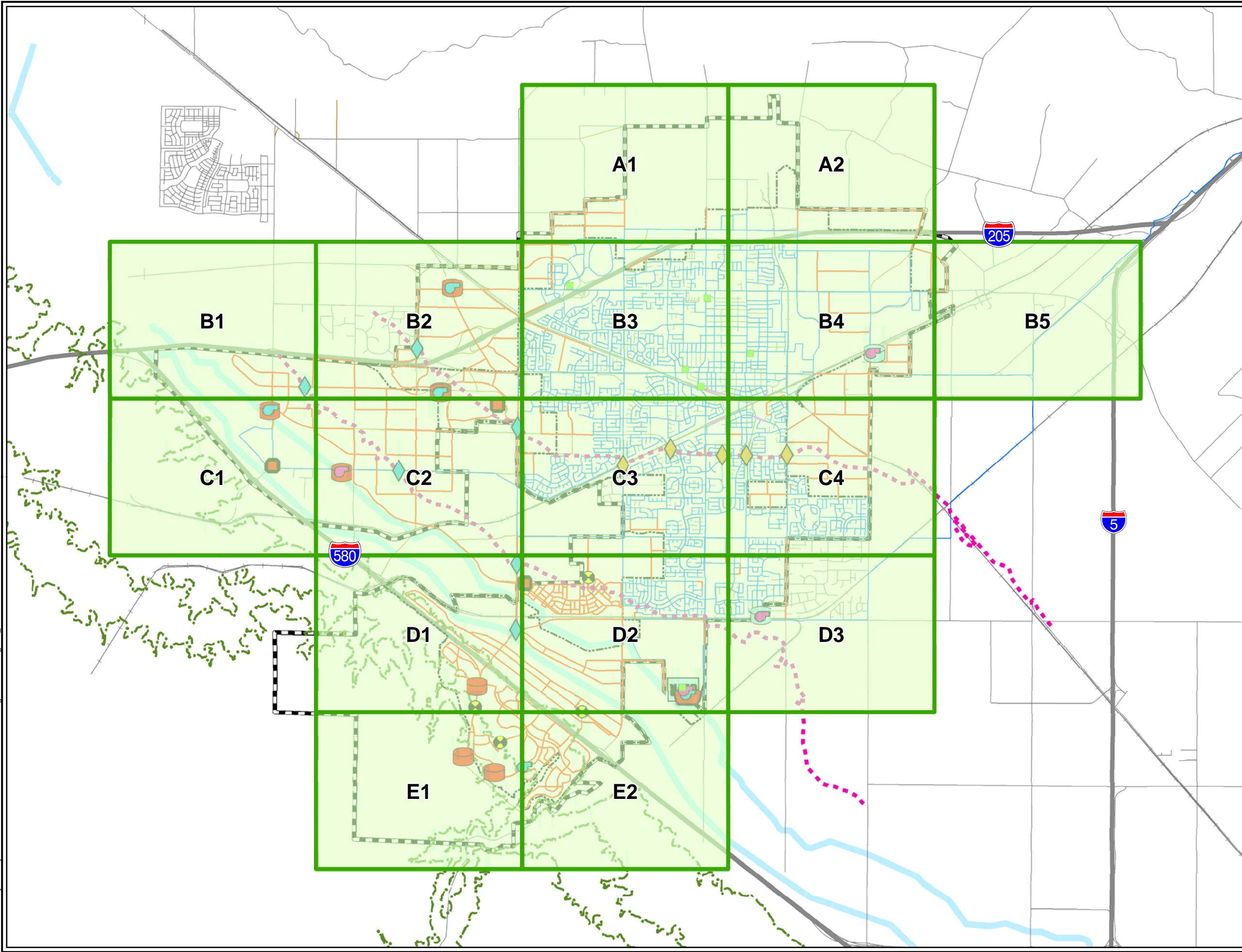
1. The City's existing hydraulic model is not an all pipes model. Therefore, not all existing pipes are shown.
2. Bore and jack pipeline projects are not shown, but is required for canal, railroad, or major highway crossings.

**LEGEND**

- Proposed Existing Pipeline Upsize
- Proposed Pipeline
- Existing Pipeline
- Proposed Backup Power Generator
- Proposed Emergency PRV Connection
- Proposed Pressure Regulating Station
- Proposed ASR Groundwater Well
- Proposed Booster Pump Station
- Proposed Storage Tank
- Proposed Clearwell
- WTP/JWTP
- Existing Pressure Regulating Station
- Existing Groundwater Well
- Existing Booster Pump Station
- Existing Storage Tank
- SOI
- City Limits
- Proposed Street
- Existing Highway
- Existing Street



C:\Clients\404 City of Tracy\02-09-76 Water Master Plan Phase 1\GIS\Figures\Ch. 10\Fig H-1\_FutureCIP.mxd 3/2/2012

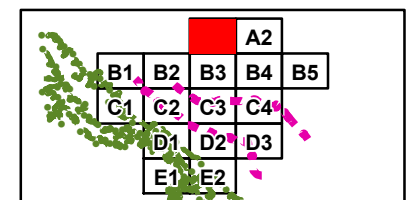
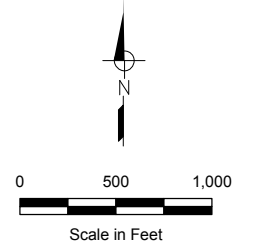


C:\Clients\404 City of Tracy\02-09-76 Water Master Plan Phase 1\GIS\Figures\Ch 10\Map H FutureCIP.mxd 1/18/2011

# FIGURE A1

## City of Tracy Water System Master Plan

### RECOMMENDED BUILDOUT POTABLE WATER SYSTEM PIPELINE IMPROVEMENTS

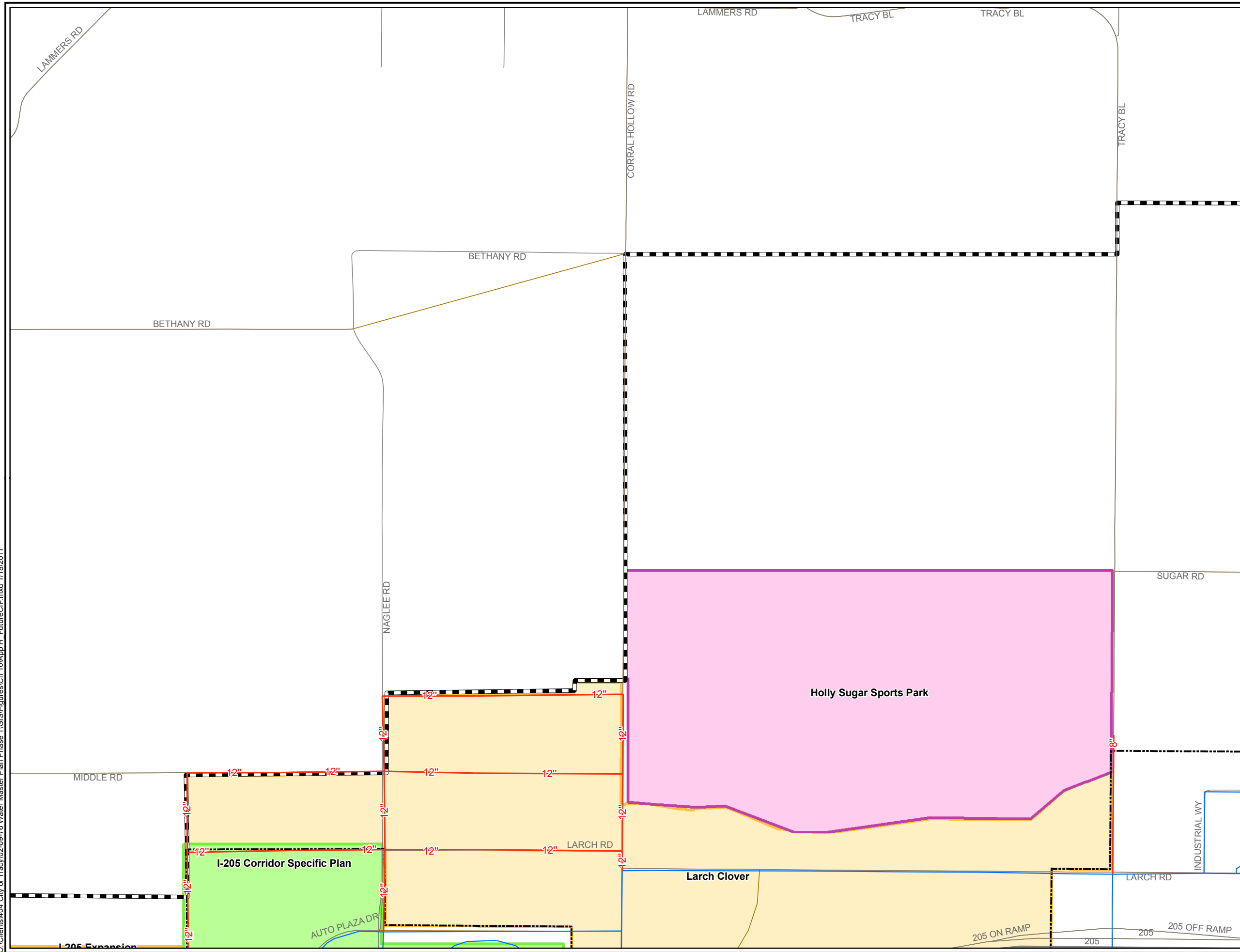


#### NOTES

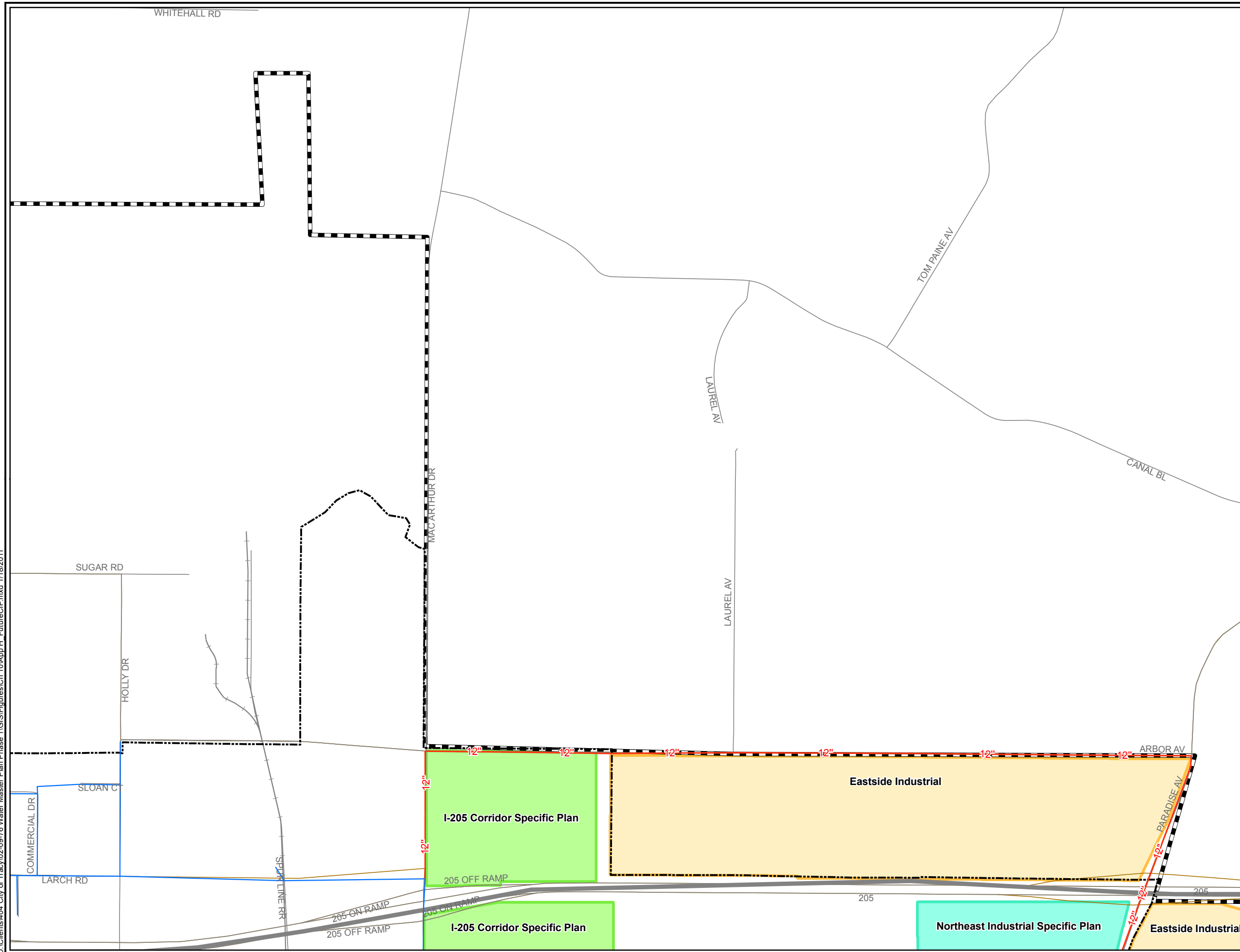
1. The City's existing hydraulic model is not an all pipes model. Therefore, not all existing pipes are shown.
2. Bore and jack pipeline projects are not shown, but is required for canal, railroad, or major highway crossings.

#### LEGEND

- Proposed Existing Pipeline Upsize
- Proposed Pipeline
- Existing Pipeline
- Proposed Backup Power Generator
- Proposed Emergency PRV Connection
- Proposed Pressure Regulating Station
- Proposed ASR Groundwater Well
- Proposed Booster Pump Station
- Proposed Storage Tank
- Proposed Clearwell
- WTP/JJWTP
- Existing Pressure Regulating Station
- Existing Groundwater Well
- Existing Booster Pump Station
- Existing Storage Tank
- SOI
- City Limits
- Proposed Street
- Existing Highway
- Existing Street



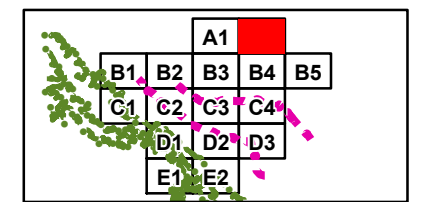
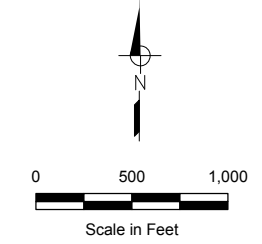
C:\Clients\404 City of Tracy\02-09-76 Water Master Plan Phase 1\GIS\Figures\Ch 10\Map H FutureCIP.mxd 1/18/2011



**FIGURE A2**

**City of Tracy  
Water System Master Plan**

**RECOMMENDED  
BUILDOUT POTABLE  
WATER SYSTEM  
PIPELINE IMPROVEMENTS**



**NOTES**

1. The City's existing hydraulic model is not an all pipes model. Therefore, not all existing pipes are shown.
2. Bore and jack pipeline projects are not shown, but is required for canal, railroad, or major highway crossings.

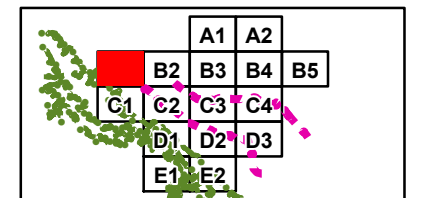
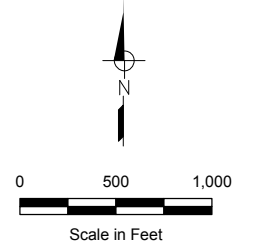
**LEGEND**

- Proposed Existing Pipeline Upsize
- Proposed Pipeline
- Existing Pipeline
- Proposed Backup Power Generator
- Proposed Emergency PRV Connection
- Proposed Pressure Regulating Station
- Proposed ASR Groundwater Well
- Proposed Booster Pump Station
- Proposed Storage Tank
- Proposed Clearwell
- WTP/JJWTP
- Existing Pressure Regulating Station
- Existing Groundwater Well
- Existing Booster Pump Station
- Existing Storage Tank
- SOI
- City Limits
- Proposed Street
- Existing Highway
- Existing Street



**FIGURE B1**  
**City of Tracy**  
**Water System Master Plan**

**RECOMMENDED  
 BUILDOUT POTABLE  
 WATER SYSTEM  
 PIPELINE IMPROVEMENTS**

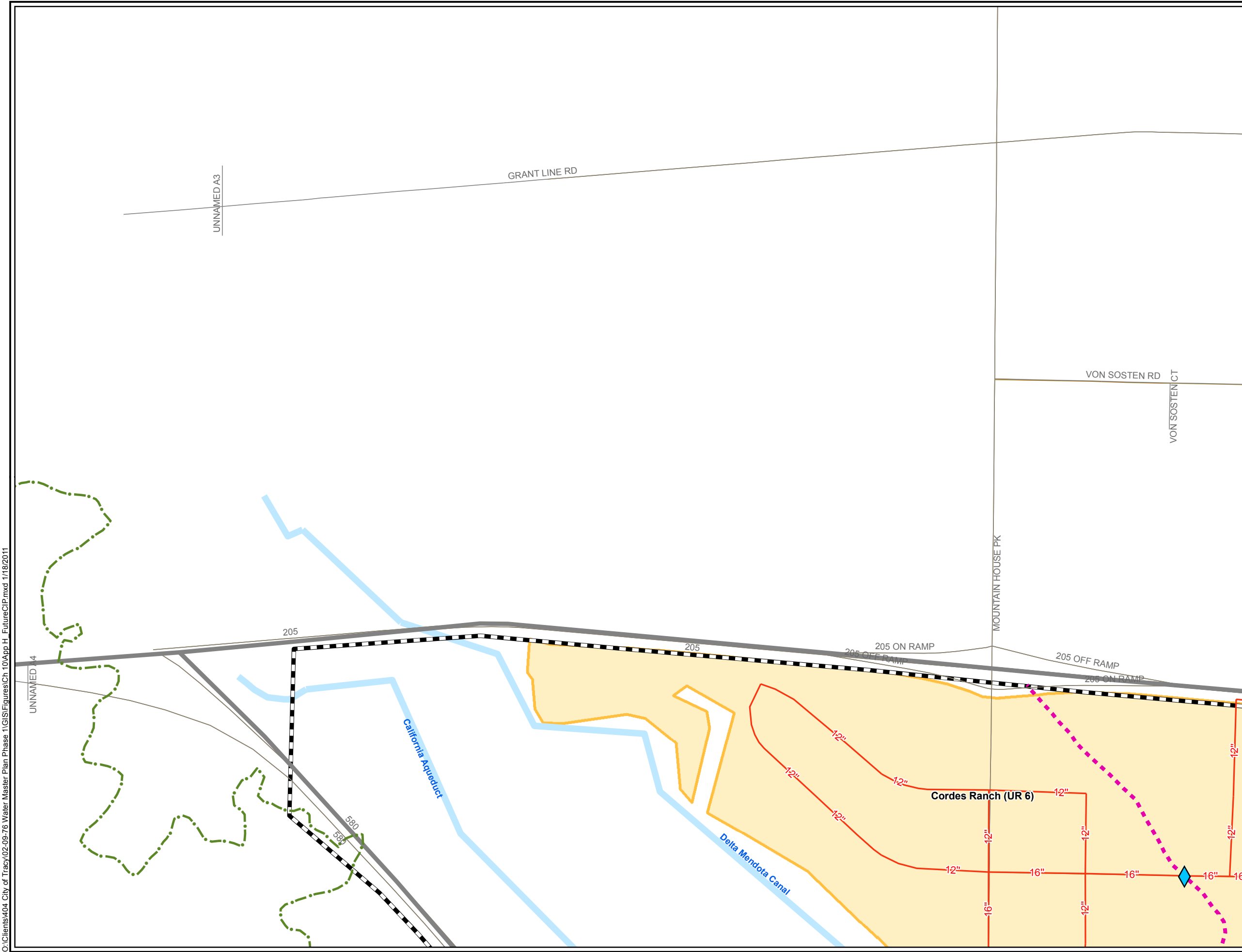


**NOTES**

1. The City's existing hydraulic model is not an all pipes model. Therefore, not all existing pipes are shown.
2. Bore and jack pipeline projects are not shown, but is required for canal, railroad, or major highway crossings.

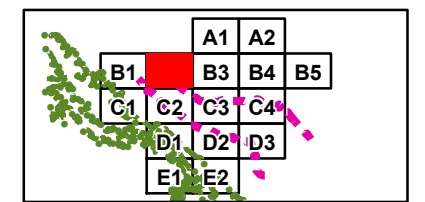
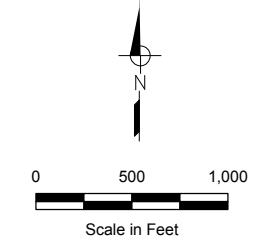
**LEGEND**

- Proposed Existing Pipeline Upsize
- Proposed Pipeline
- Existing Pipeline
- Proposed Backup Power Generator
- Proposed Emergency PRV Connection
- Proposed Pressure Regulating Station
- Proposed ASR Groundwater Well
- Proposed Booster Pump Station
- Proposed Storage Tank
- Proposed Clearwell
- JJWT
- Existing Pressure Regulating Station
- Existing Groundwater Well
- Existing Booster Pump Station
- Existing Storage Tank
- SOI
- City Limits
- Proposed Street
- Existing Highway
- Existing Street



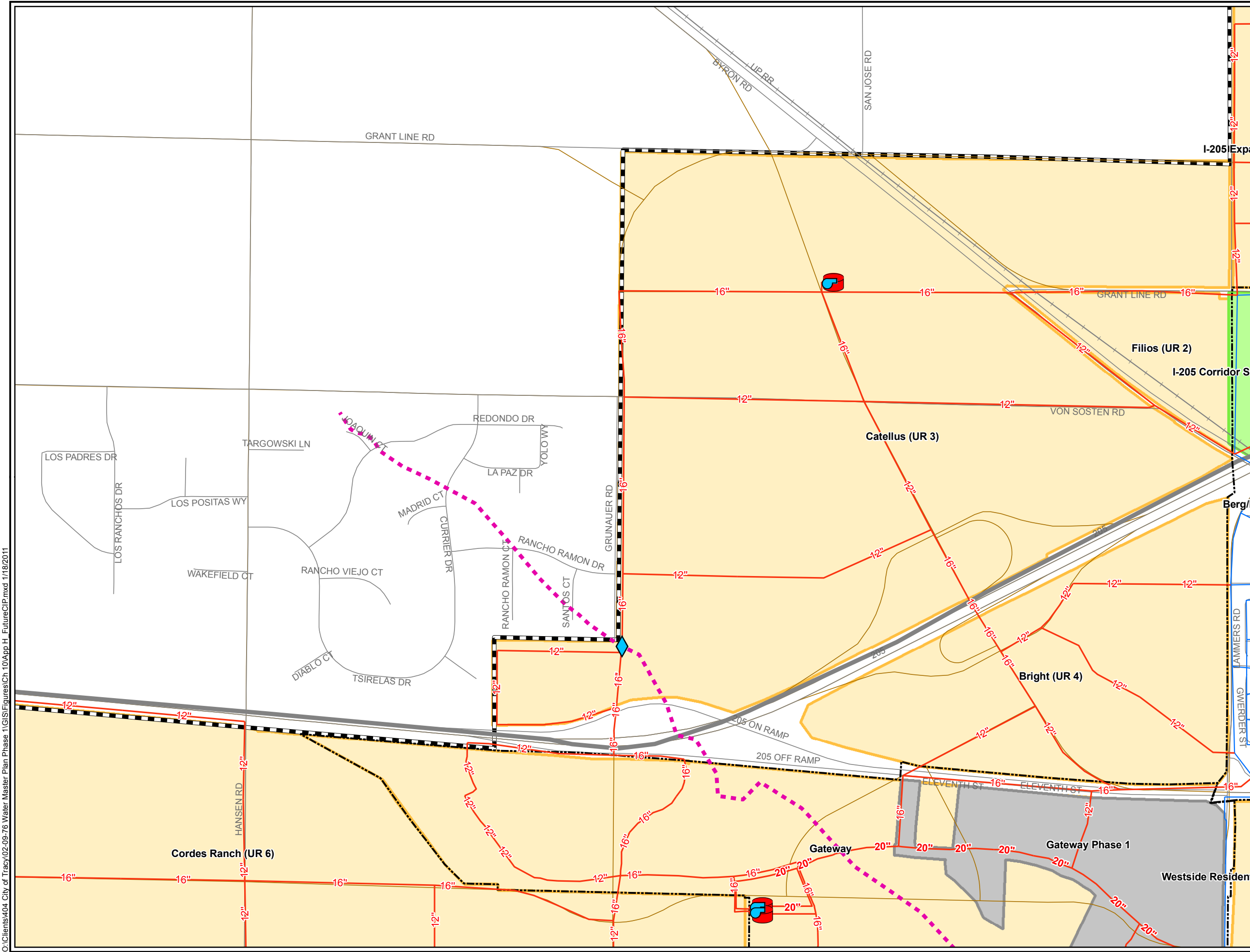
C:\Clients\404 City of Tracy\02-09-76 Water Master Plan Phase 1\GIS\Figures\Ch 10\Map H FutureCIP.mxd 1/18/2011

**FIGURE B2**  
**City of Tracy**  
**Water System Master Plan**  
**RECOMMENDED**  
**BUILDOUT POTABLE**  
**WATER SYSTEM**  
**PIPELINE IMPROVEMENTS**



- NOTES**
- The City's existing hydraulic model is not an all pipes model. Therefore, not all existing pipes are shown.
  - Bore and jack pipeline projects are not shown, but is required for canal, railroad, or major highway crossings.

- LEGEND**
- Proposed Existing Pipeline Upsize
  - Proposed Pipeline
  - Existing Pipeline
  - Proposed Backup Power Generator
  - Proposed Emergency PRV Connection
  - Proposed Pressure Regulating Station
  - Proposed ASR Groundwater Well
  - Proposed Booster Pump Station
  - Proposed Storage Tank
  - Proposed Clearwell
  - WTP JJWTP
  - Existing Pressure Regulating Station
  - Existing Groundwater Well
  - Existing Booster Pump Station
  - Existing Storage Tank
  - SOI
  - City Limits
  - Proposed Street
  - Existing Highway
  - Existing Street



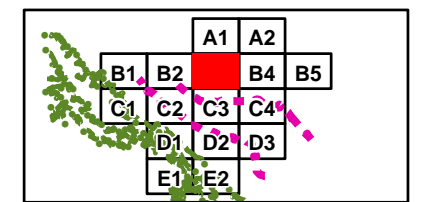
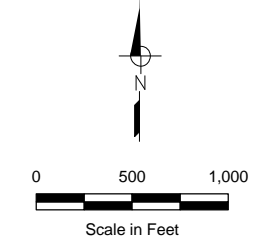
C:\Clients\404 City of Tracy\02-09-76 Water Master Plan Phase 1\GIS\Figures\Ch 10\Map H Future CIP.mxd 1/18/2011



# FIGURE B3

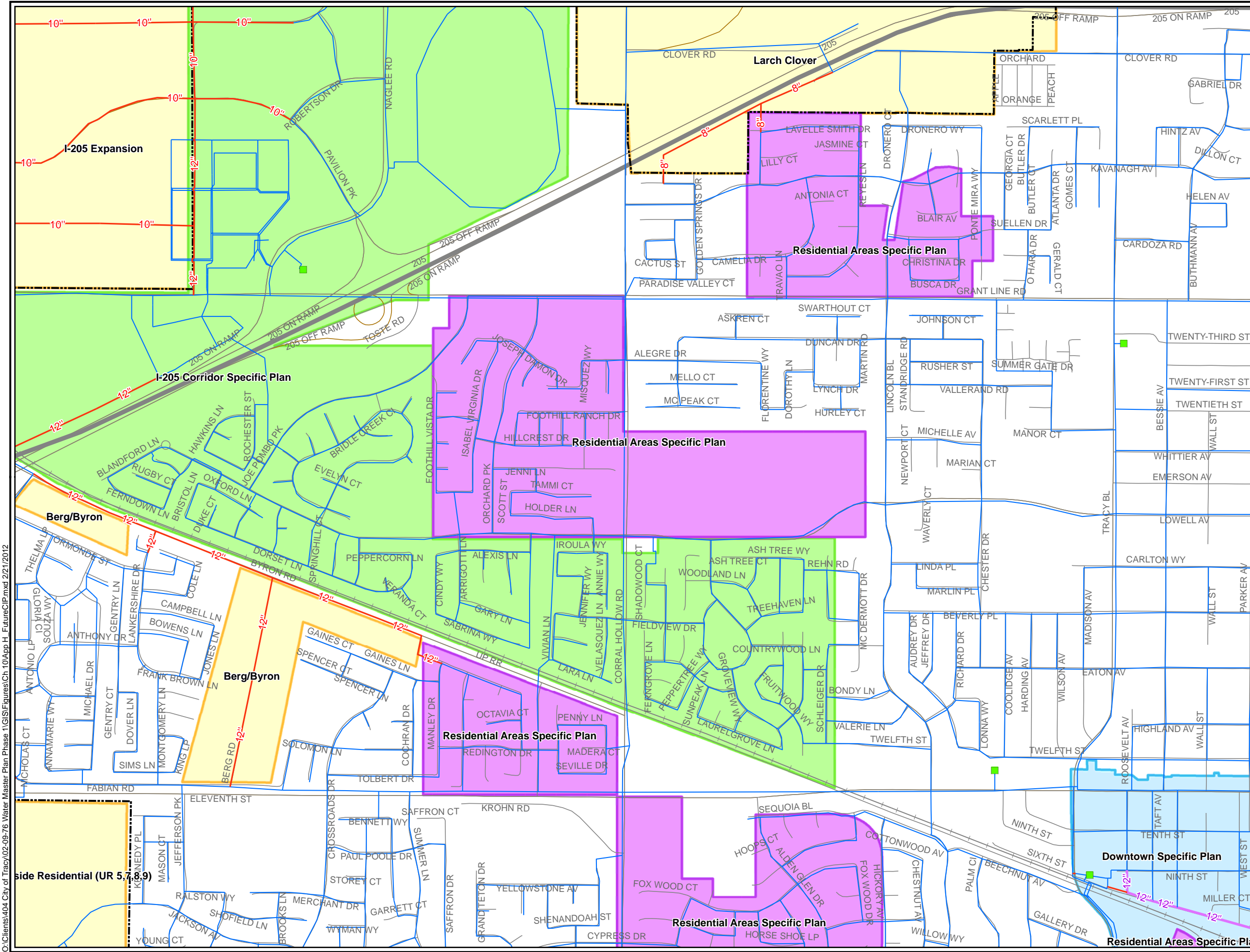
## City of Tracy Water System Master Plan

### RECOMMENDED BUILDOUT POTABLE WATER SYSTEM PIPELINE IMPROVEMENTS



- NOTES**
1. The City's existing hydraulic model is not an all pipes model. Therefore, not all existing pipes are shown.
  2. Bore and jack pipeline projects are not shown, but is required for canal, railroad, or major highway crossings.

- LEGEND**
- Proposed Existing Pipeline Upsize
  - Proposed Pipeline
  - Existing Pipeline
  - Proposed Backup Power Generator
  - Proposed Emergency PRV Connection
  - Proposed Pressure Regulating Station
  - Proposed ASR Groundwater Well
  - Proposed Booster Pump Station
  - Proposed Storage Tank
  - Proposed Clearwell
  - WTP/JJWTP
  - Existing Pressure Regulating Station
  - Existing Groundwater Well
  - Existing Booster Pump Station
  - Existing Storage Tank
  - SOI
  - City Limits
  - Proposed Street
  - Existing Highway
  - Existing Street

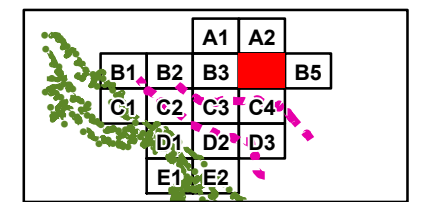
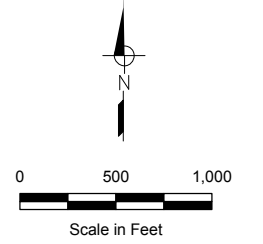


C:\Clients\404 City of Tracy\02-09-76 Water Master Plan Phase 1\GIS\Figures\Ch 10\Map H - FutureCIP.mxd 2/21/2012



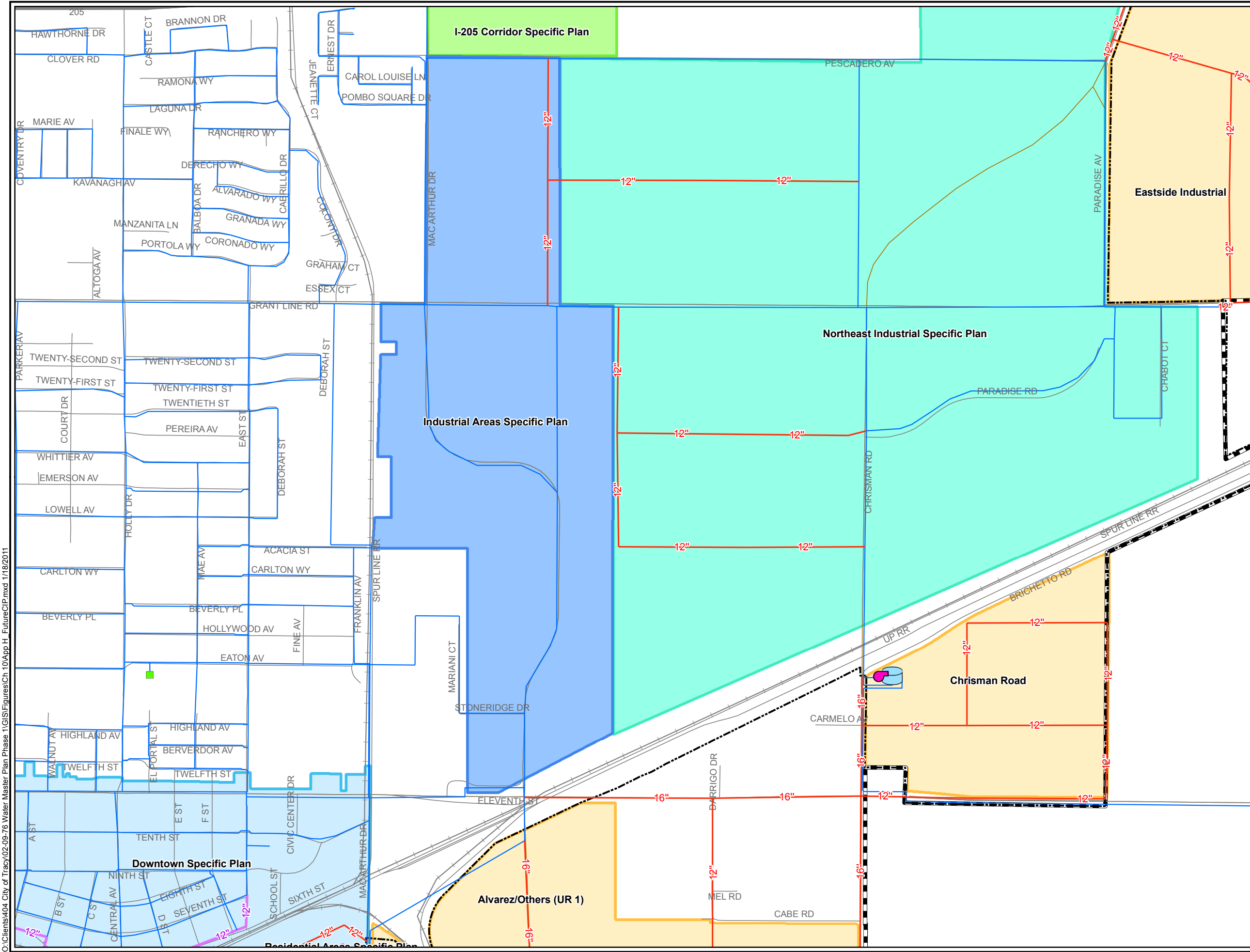
**FIGURE B4**  
**City of Tracy**  
**Water System Master Plan**

**RECOMMENDED  
 BUILDOUT POTABLE  
 WATER SYSTEM  
 PIPELINE IMPROVEMENTS**



- NOTES**
1. The City's existing hydraulic model is not an all pipes model. Therefore, not all existing pipes are shown.
  2. Bore and jack pipeline projects are not shown, but is required for canal, railroad, or major highway crossings.

- LEGEND**
- Proposed Existing Pipeline Upsize
  - Proposed Pipeline
  - Existing Pipeline
  - Proposed Backup Power Generator
  - Proposed Emergency PRV Connection
  - Proposed Pressure Regulating Station
  - Proposed ASR Groundwater Well
  - Proposed Booster Pump Station
  - Proposed Storage Tank
  - Proposed Clearwell
  - WTP/JJWTP
  - Existing Pressure Regulating Station
  - Existing Groundwater Well
  - Existing Booster Pump Station
  - Existing Storage Tank
  - SOI
  - City Limits
  - Proposed Street
  - Existing Highway
  - Existing Street



C:\Clients\404 City of Tracy\02-09-76 Water Master Plan Phase 1\GIS\Figures\Ch 10\Map H FutureCIP.mxd 1/18/2011

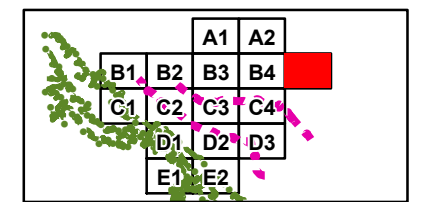
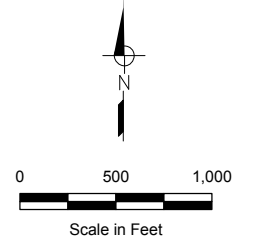




**FIGURE B5**

**City of Tracy  
Water System Master Plan**

**RECOMMENDED  
BUILDOUT POTABLE  
WATER SYSTEM  
PIPELINE IMPROVEMENTS**



**NOTES**

1. The City's existing hydraulic model is not an all pipes model. Therefore, not all existing pipes are shown.
2. Bore and jack pipeline projects are not shown, but is required for canal, railroad, or major highway crossings.

**LEGEND**

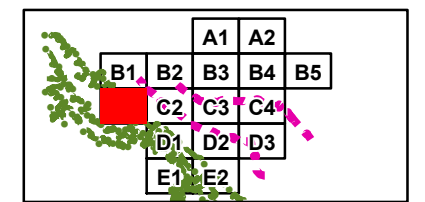
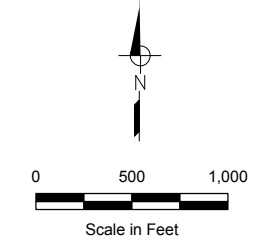
- Proposed Existing Pipeline Upsize
- Proposed Pipeline
- Existing Pipeline
- Proposed Backup Power Generator
- Proposed Emergency PRV Connection
- Proposed Pressure Regulating Station
- Proposed ASR Groundwater Well
- Proposed Booster Pump Station
- Proposed Storage Tank
- Proposed Clearwell
- JJWTP
- Existing Pressure Regulating Station
- Existing Groundwater Well
- Existing Booster Pump Station
- Existing Storage Tank
- SOI
- City Limits
- Proposed Street
- Existing Highway
- Existing Street



C:\Clients\404 City of Tracy\02-09-76 Water Master Plan Phase 1\GIS\Figures\Ch 10\App H FutureCIP.mxd 1/18/2011

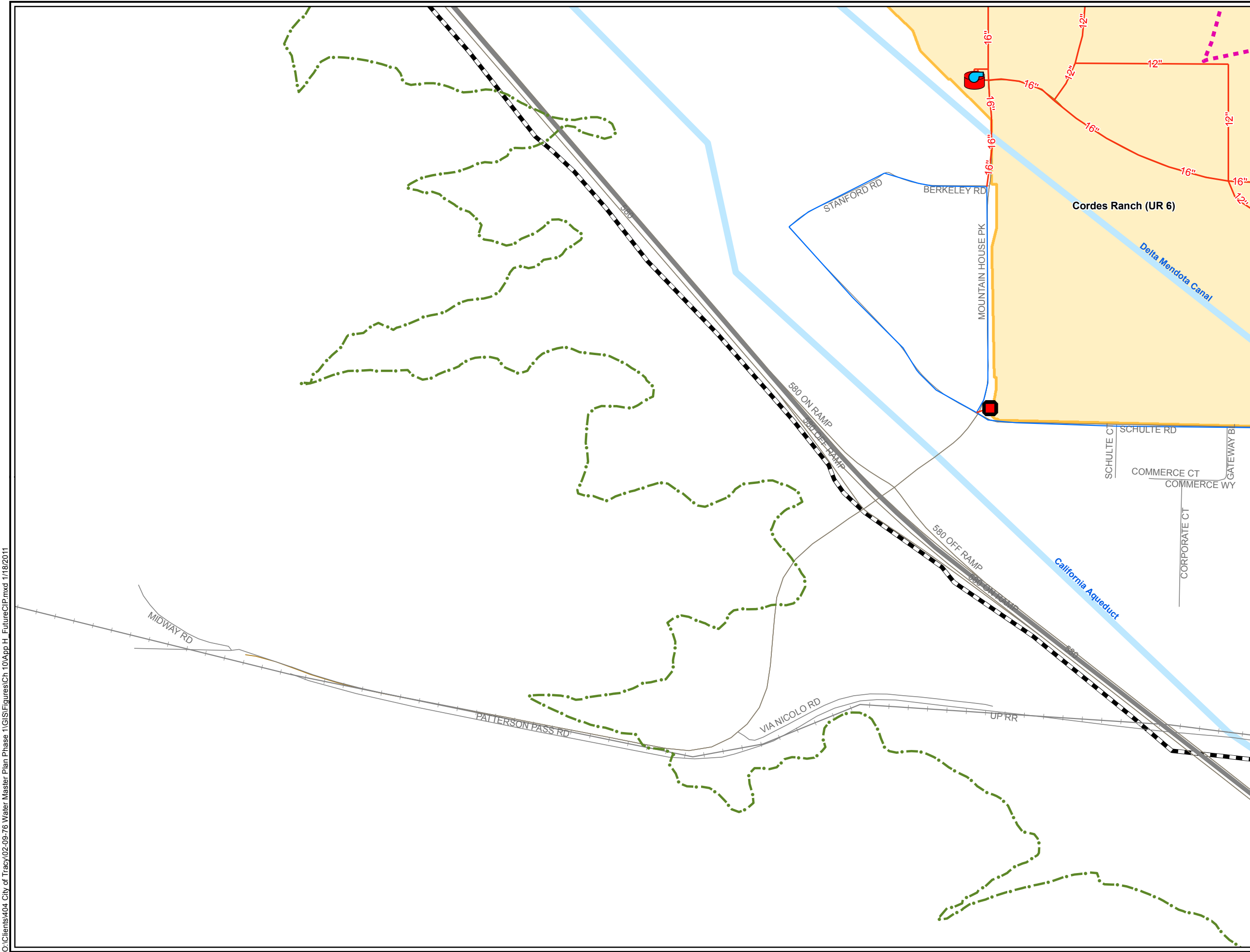
**FIGURE C1**  
**City of Tracy**  
**Water System Master Plan**

**RECOMMENDED**  
**BUILDOUT POTABLE**  
**WATER SYSTEM**  
**PIPELINE IMPROVEMENTS**



- NOTES**
1. The City's existing hydraulic model is not an all pipes model. Therefore, not all existing pipes are shown.
  2. Bore and jack pipeline projects are not shown, but is required for canal, railroad, or major highway crossings.

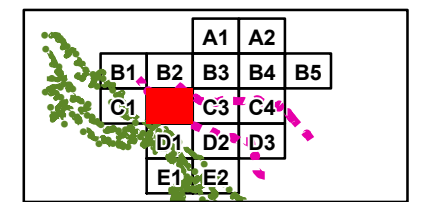
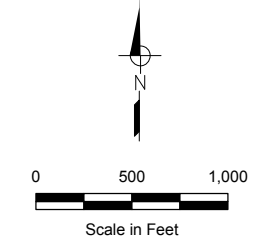
- LEGEND**
- Proposed Existing Pipeline Upsize
  - Proposed Pipeline
  - Existing Pipeline
  - Proposed Backup Power Generator
  - Proposed Emergency PRV Connection
  - Proposed Pressure Regulating Station
  - Proposed ASR Groundwater Well
  - Proposed Booster Pump Station
  - Proposed Storage Tank
  - Proposed Clearwell
  - WTP JJWTP
  - Existing Pressure Regulating Station
  - Existing Groundwater Well
  - Existing Booster Pump Station
  - Existing Storage Tank
  - SOI
  - City Limits
  - Proposed Street
  - Existing Highway
  - Existing Street



C:\Clients\404 City of Tracy\02-09-76 Water Master Plan Phase 1\GIS\Figures\Ch 10\Map H FutureCIP.mxd 1/18/2011

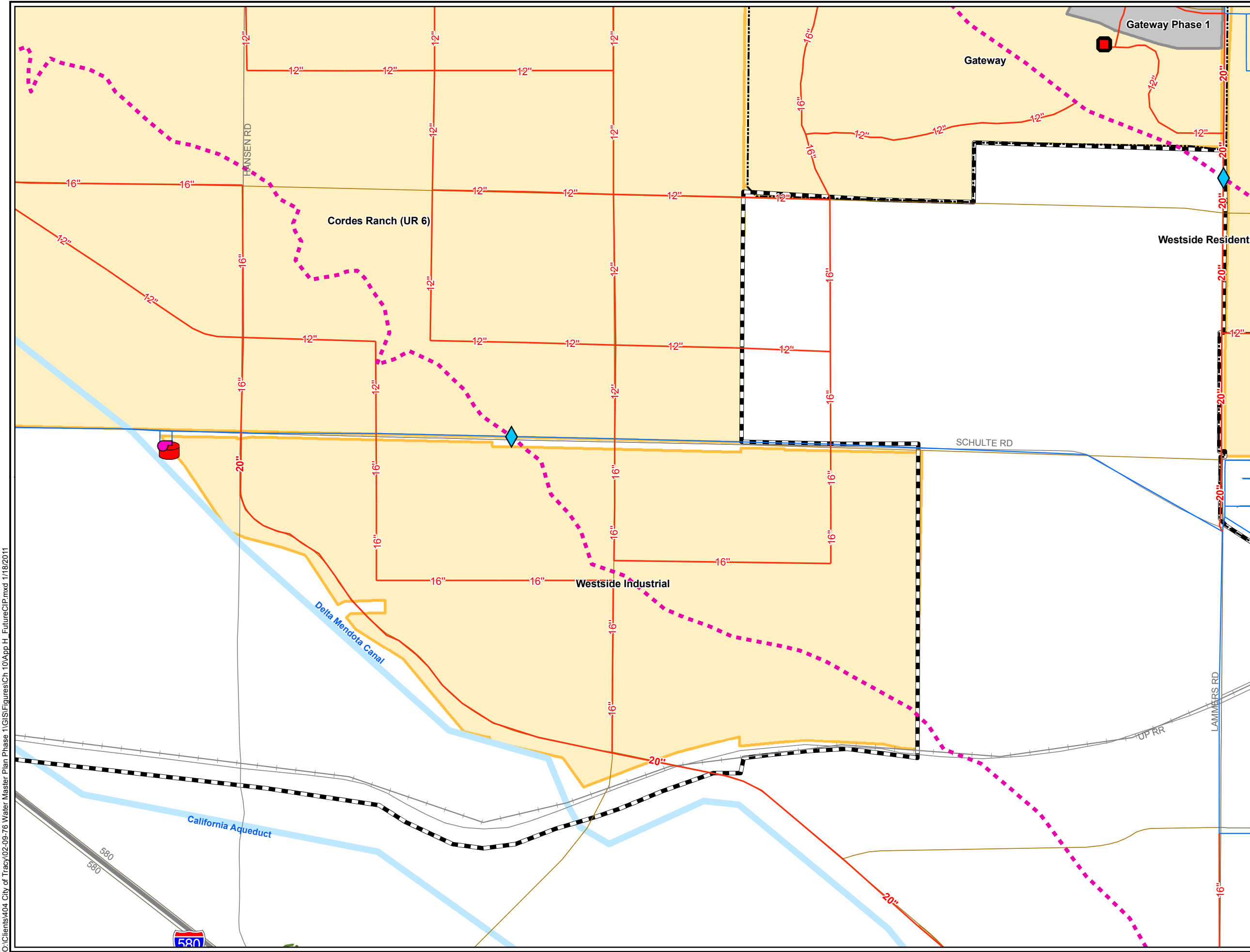
**FIGURE C2**  
**City of Tracy**  
**Water System Master Plan**

**RECOMMENDED**  
**BUILDOUT POTABLE**  
**WATER SYSTEM**  
**PIPELINE IMPROVEMENTS**



- NOTES**
1. The City's existing hydraulic model is not an all pipes model. Therefore, not all existing pipes are shown.
  2. Bore and jack pipeline projects are not shown, but is required for canal, railroad, or major highway crossings.

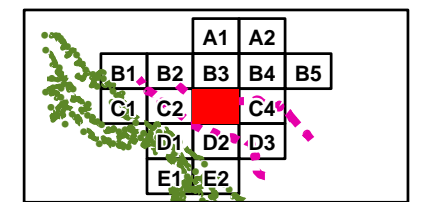
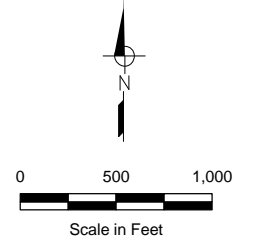
- LEGEND**
- Proposed Existing Pipeline Upsize
  - Proposed Pipeline
  - Existing Pipeline
  - Proposed Backup Power Generator
  - Proposed Emergency PRV Connection
  - Proposed Pressure Regulating Station
  - Proposed ASR Groundwater Well
  - Proposed Booster Pump Station
  - Proposed Storage Tank
  - Proposed Clearwell
  - WTP JJWTP
  - Existing Pressure Regulating Station
  - Existing Groundwater Well
  - Existing Booster Pump Station
  - Existing Storage Tank
  - SOI
  - City Limits
  - Proposed Street
  - Existing Highway
  - Existing Street



C:\Clients\404 City of Tracy\02-09-76 Water Master Plan Phase 1\GIS\Figures\Ch 10\App H FutureCIP.mxd 1/18/2011

**FIGURE C3**  
**City of Tracy**  
**Water System Master Plan**

**RECOMMENDED  
 BUILDOUT POTABLE  
 WATER SYSTEM  
 PIPELINE IMPROVEMENTS**

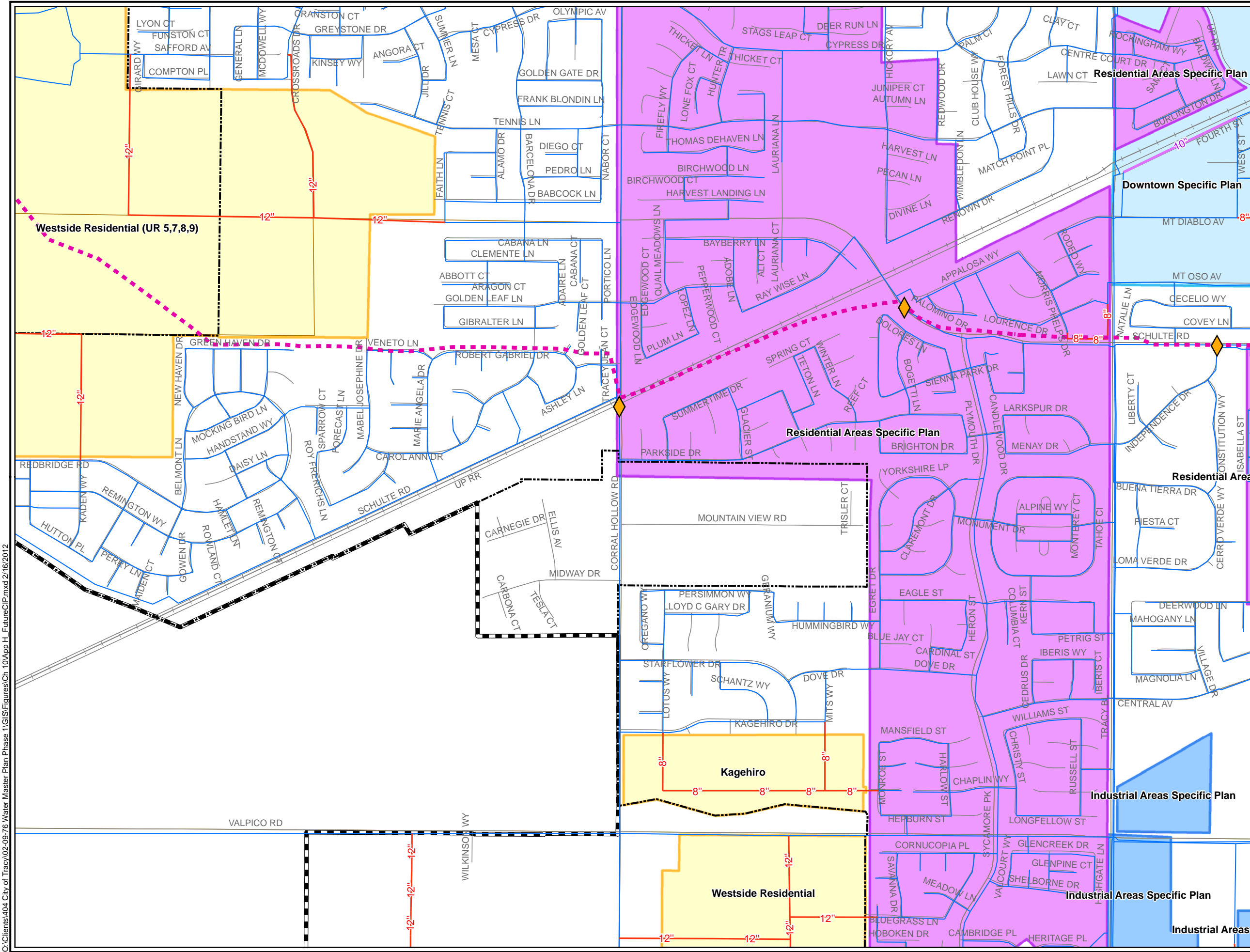


**NOTES**

1. The City's existing hydraulic model is not an all pipes model. Therefore, not all existing pipes are shown.
2. Bore and jack pipeline projects are not shown, but is required for canal, railroad, or major highway crossings.

**LEGEND**

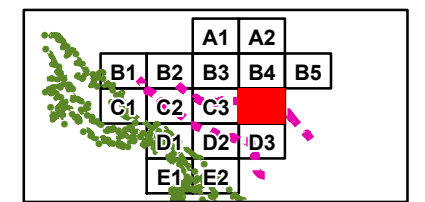
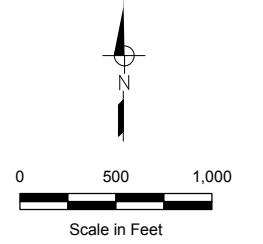
- Proposed Existing Pipeline Upsize
- Proposed Pipeline
- Existing Pipeline
- Proposed Backup Power Generator
- Proposed Emergency PRV Connection
- Proposed Pressure Regulating Station
- Proposed ASR Groundwater Well
- Proposed Booster Pump Station
- Proposed Storage Tank
- Proposed Clearwell
- WTP/JJWTP
- Existing Pressure Regulating Station
- Existing Groundwater Well
- Existing Booster Pump Station
- Existing Storage Tank
- SOI
- City Limits
- Proposed Street
- Existing Highway
- Existing Street



C:\Clients\404 City of Tracy\02-09-76 Water Master Plan Phase 1\GIS\Figures\Ch. 10\Map H. FutureCIP.mxd 2/16/2012

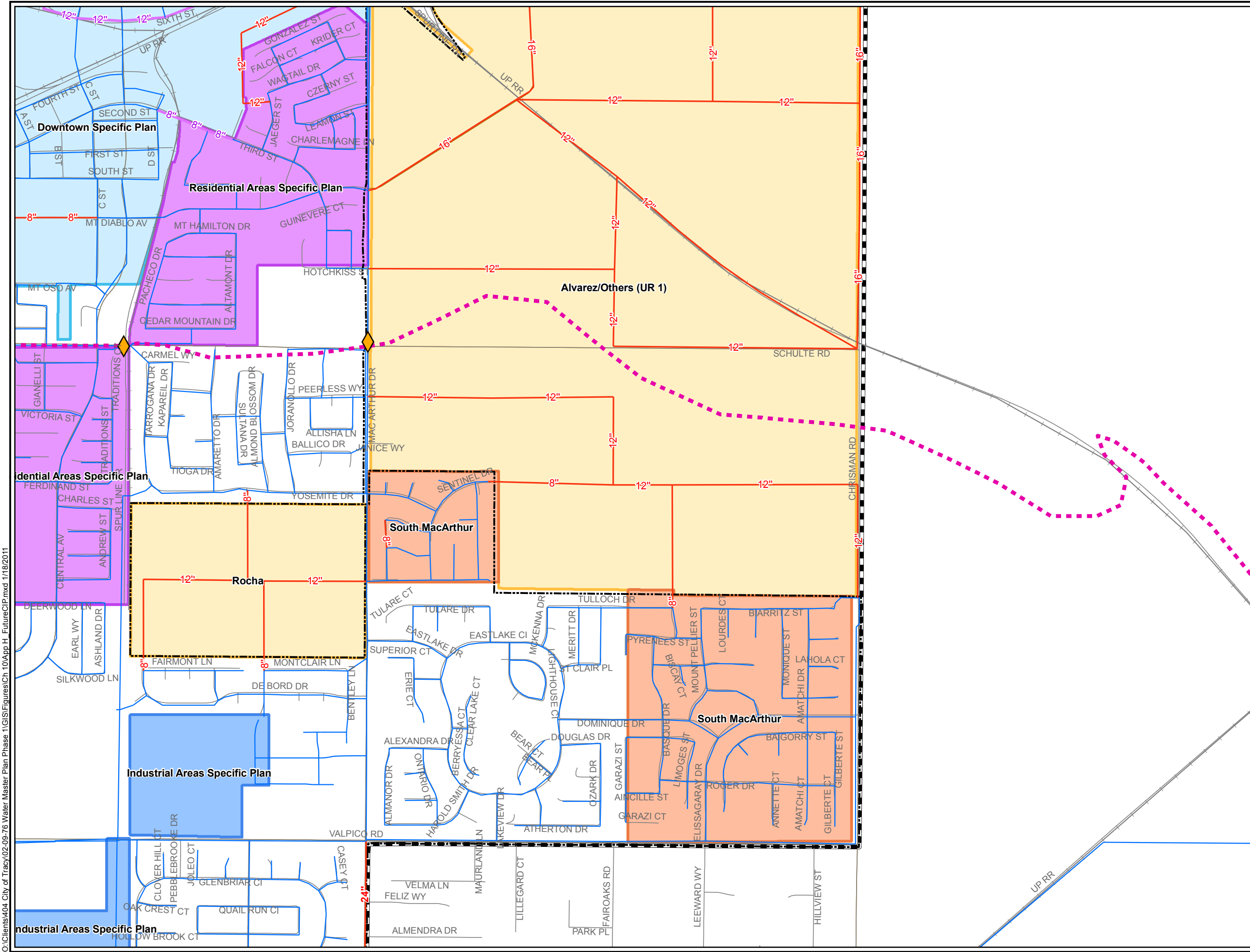
**FIGURE C4**  
**City of Tracy**  
**Water System Master Plan**

**RECOMMENDED  
 BUILDOUT POTABLE  
 WATER SYSTEM  
 PIPELINE IMPROVEMENTS**



- NOTES**
1. The City's existing hydraulic model is not an all pipes model. Therefore, not all existing pipes are shown.
  2. Bore and jack pipeline projects are not shown, but is required for canal, railroad, or major highway crossings.

- LEGEND**
- Proposed Existing Pipeline Upsize
  - Proposed Pipeline
  - Existing Pipeline
  - Proposed Backup Power Generator
  - Proposed Emergency PRV Connection
  - Proposed Pressure Regulating Station
  - Proposed ASR Groundwater Well
  - Proposed Booster Pump Station
  - Proposed Storage Tank
  - Proposed Clearwell
  - WTP/JJWTP
  - Existing Pressure Regulating Station
  - Existing Groundwater Well
  - Existing Booster Pump Station
  - Existing Storage Tank
  - SOI
  - City Limits
  - Proposed Street
  - Existing Highway
  - Existing Street



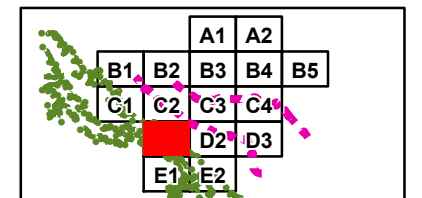
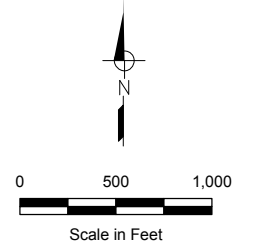
C:\Clients\404 City of Tracy\02-09-76 Water Master Plan Phase 1\GIS\Figures\Ch 10\Map H FutureCIP.mxd 1/18/2011



**FIGURE D1**

**City of Tracy  
Water System Master Plan**

**RECOMMENDED  
BUILDOUT POTABLE  
WATER SYSTEM  
PIPELINE IMPROVEMENTS**



**NOTES**

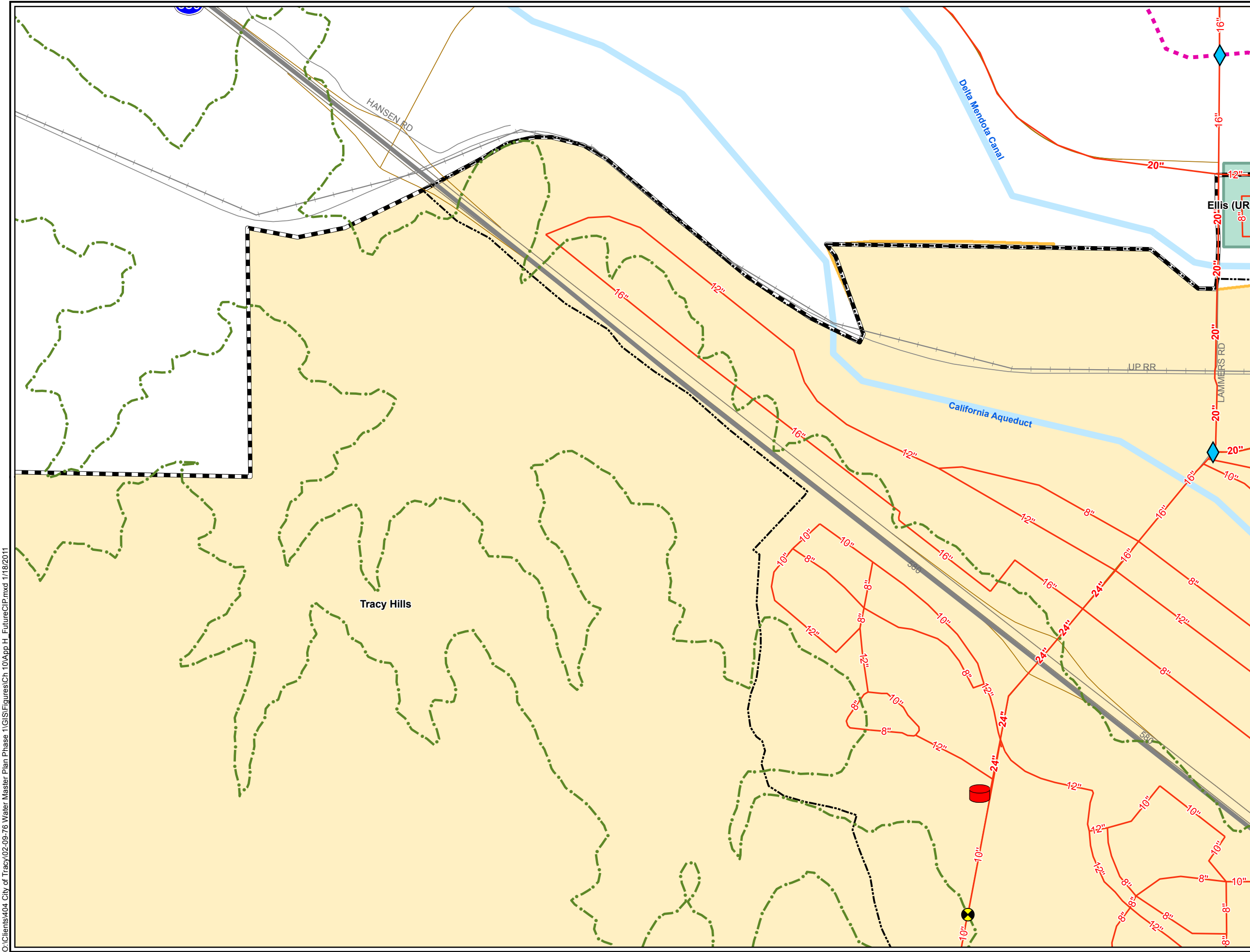
1. The City's existing hydraulic model is not an all pipes model. Therefore, not all existing pipes are shown.
2. Bore and jack pipeline projects are not shown, but is required for canal, railroad, or major highway crossings.

**LEGEND**

- Proposed Existing Pipeline Upsize (purple dashed line)
- Proposed Pipeline (red solid line)
- Existing Pipeline (blue solid line)
- Proposed Backup Power Generator (black square)
- Proposed Emergency PRV Connection (yellow circle with black border)
- Proposed Pressure Regulating Station (blue diamond)
- Proposed ASR Groundwater Well (red square)
- Proposed Booster Pump Station (blue circle)
- Proposed Storage Tank (red cylinder)
- Proposed Clearwell (red bucket)
- WTP/JJWTP (blue box with text)
- Existing Pressure Regulating Station (yellow diamond)
- Existing Groundwater Well (green square)
- Existing Booster Pump Station (purple circle)
- Existing Storage Tank (blue cylinder)
- SOI (black dashed line)
- City Limits (black dashed line)
- Proposed Street (thin grey line)
- Existing Highway (thick grey line)
- Existing Street (thin grey line)



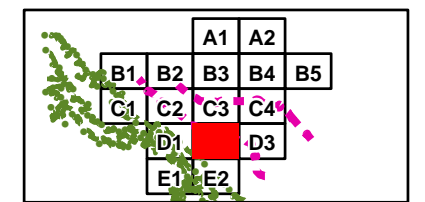
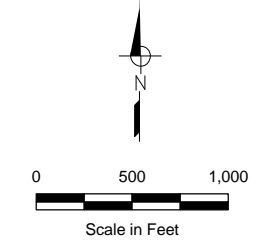
C:\Clients\404 City of Tracy\02-09-76 Water Master Plan Phase 1\GIS\Figures\Ch 10\Map H FutureCIP.mxd 1/18/2011



# FIGURE D2

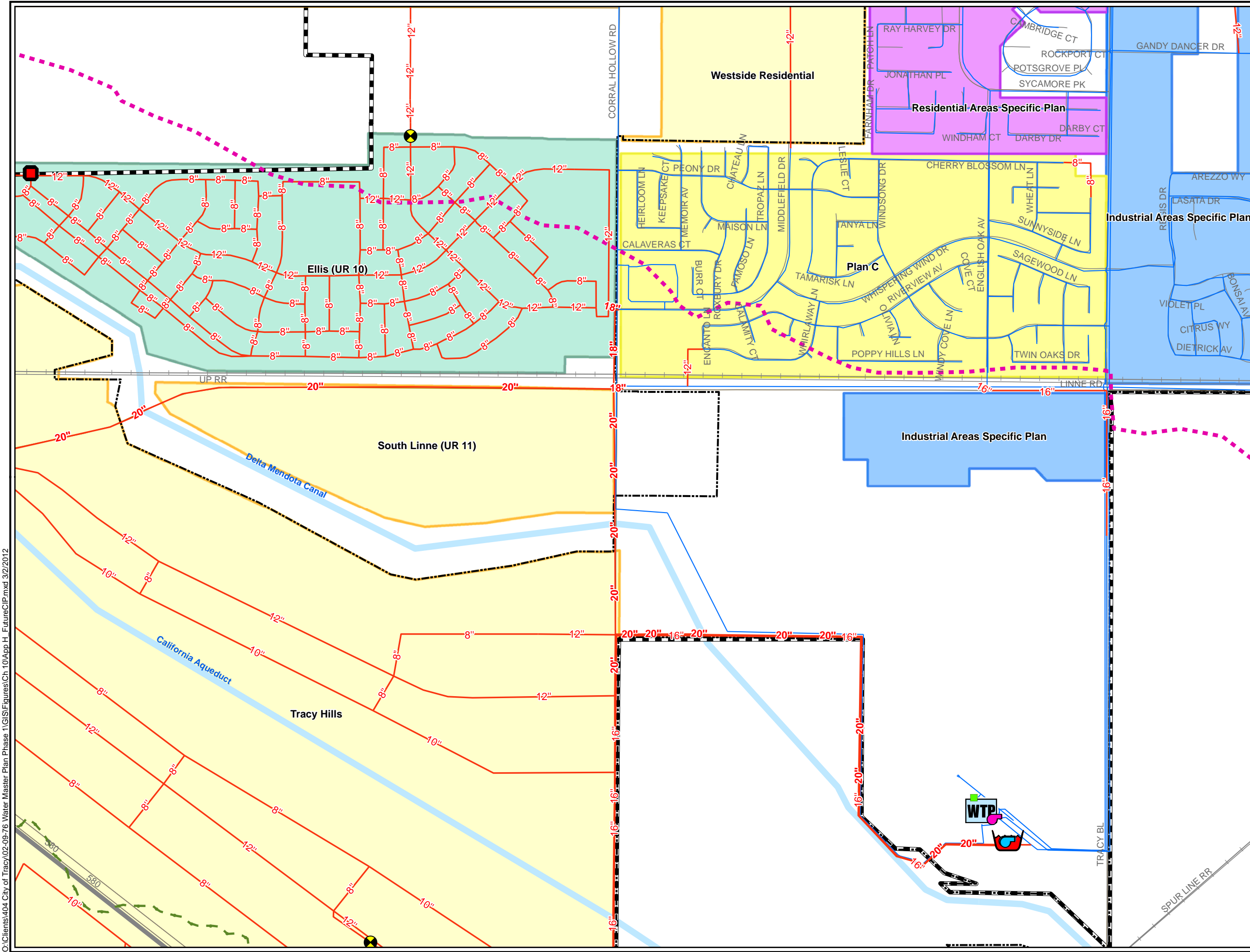
## City of Tracy Water System Master Plan

### RECOMMENDED BUILDOUT POTABLE WATER SYSTEM PIPELINE IMPROVEMENTS



- NOTES**
- The City's existing hydraulic model is not an all pipes model. Therefore, not all existing pipes are shown.
  - Bore and jack pipeline projects are not shown, but is required for canal, railroad, or major highway crossings.

- LEGEND**
- Proposed Existing Pipeline Upsize
  - Proposed Pipeline
  - Existing Pipeline
  - Proposed Backup Power Generator
  - Proposed Emergency PRV Connection
  - Proposed Pressure Regulating Station
  - Proposed ASR Groundwater Well
  - Proposed Booster Pump Station
  - Proposed Storage Tank
  - Proposed Clearwell
  - WTP, JWTP
  - Existing Pressure Regulating Station
  - Existing Groundwater Well
  - Existing Booster Pump Station
  - Existing Storage Tank
  - SOI
  - City Limits
  - Proposed Street
  - Existing Highway
  - Existing Street

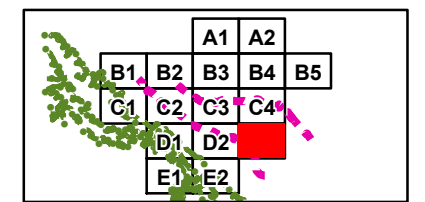
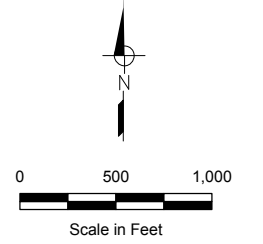


C:\Clients\404 City of Tracy\02-09-76 Water Master Plan Phase 1\GIS\Figures\Ch 10\Map H - Future\CP.mxd 3/2/2012



**FIGURE D3**  
**City of Tracy**  
**Water System Master Plan**

**RECOMMENDED**  
**BUILDOUT POTABLE**  
**WATER SYSTEM**  
**PIPELINE IMPROVEMENTS**

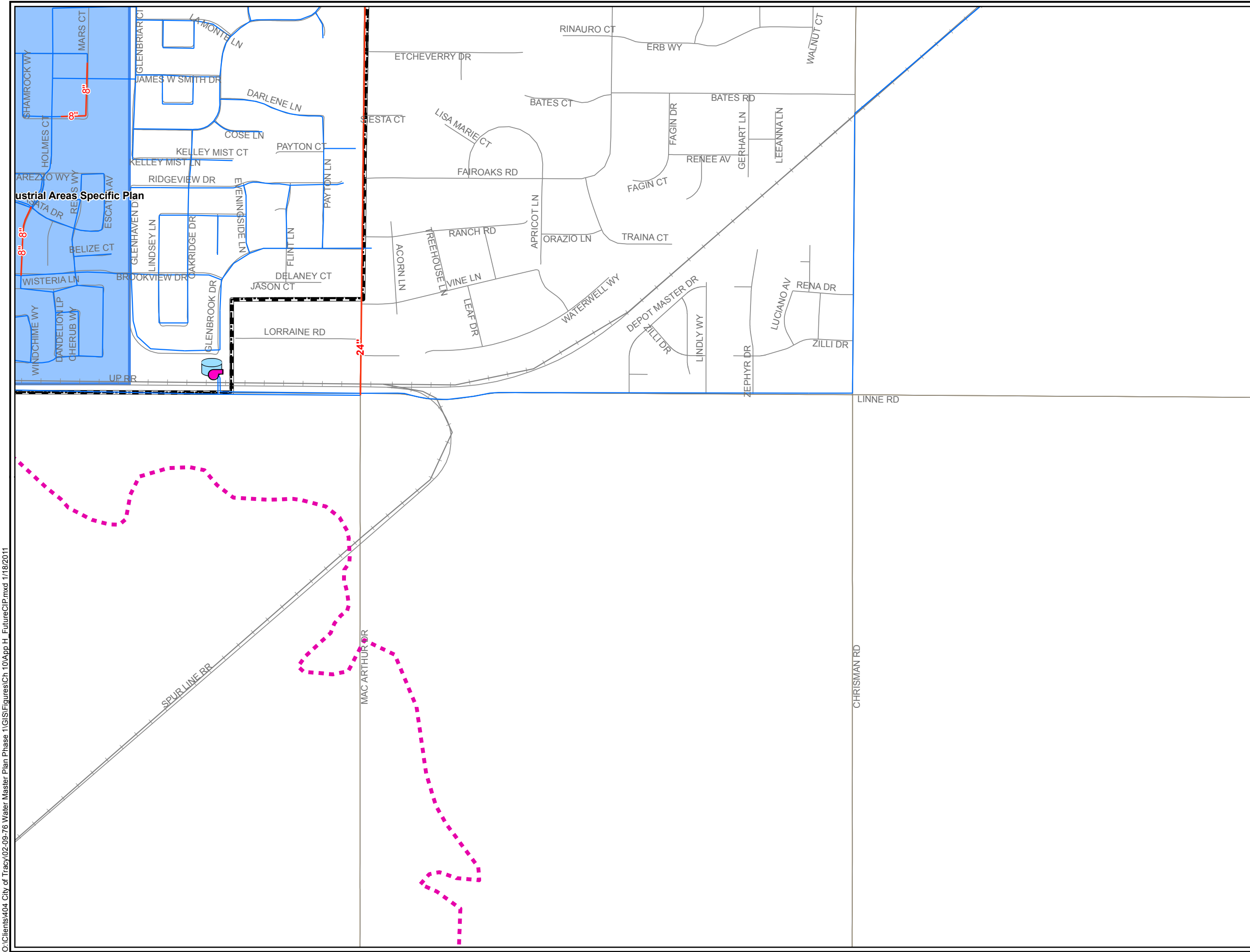


**NOTES**

1. The City's existing hydraulic model is not an all pipes model. Therefore, not all existing pipes are shown.
2. Bore and jack pipeline projects are not shown, but is required for canal, railroad, or major highway crossings.

**LEGEND**

- Proposed Existing Pipeline Upsize
- Proposed Pipeline
- Existing Pipeline
- Proposed Backup Power Generator
- Proposed Emergency PRV Connection
- Proposed Pressure Regulating Station
- Proposed ASR Groundwater Well
- Proposed Booster Pump Station
- Proposed Storage Tank
- Proposed Clearwell
- JJWTWP
- Existing Pressure Regulating Station
- Existing Groundwater Well
- Existing Booster Pump Station
- Existing Storage Tank
- SOI
- City Limits
- Proposed Street
- Existing Highway
- Existing Street

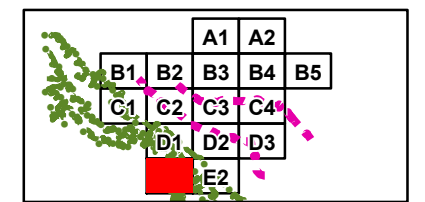
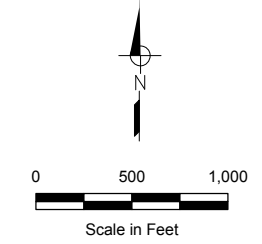


C:\Clients\404 City of Tracy\02-09-76 Water Master Plan Phase 1\GIS\Figures\Ch 10\App H FutureCIP.mxd 1/18/2011



**FIGURE E1**  
**City of Tracy**  
**Water System Master Plan**

**RECOMMENDED  
 BUILDOUT POTABLE  
 WATER SYSTEM  
 PIPELINE IMPROVEMENTS**



- NOTES**
1. The City's existing hydraulic model is not an all pipes model. Therefore, not all existing pipes are shown.
  2. Bore and jack pipeline projects are not shown, but is required for canal, railroad, or major highway crossings.

- LEGEND**
- Proposed Existing Pipeline Upsize
  - Proposed Pipeline
  - Existing Pipeline
  - Proposed Backup Power Generator
  - Proposed Emergency PRV Connection
  - Proposed Pressure Regulating Station
  - Proposed ASR Groundwater Well
  - Proposed Booster Pump Station
  - Proposed Storage Tank
  - Proposed Clearwell
  - WTP JJWTP
  - Existing Pressure Regulating Station
  - Existing Groundwater Well
  - Existing Booster Pump Station
  - Existing Storage Tank
  - SOI
  - City Limits
  - Proposed Street
  - Existing Highway
  - Existing Street

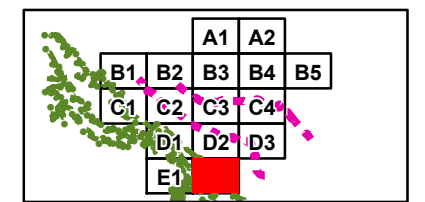
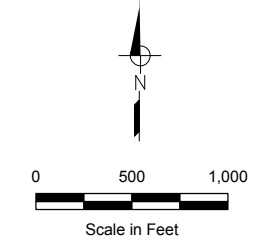


C:\Clients\404 City of Tracy\02-09-76 Water Master Plan Phase 1\GIS\Figures\Ch 10\App H FutureCIP.mxd 1/18/2011

Tracy Hills

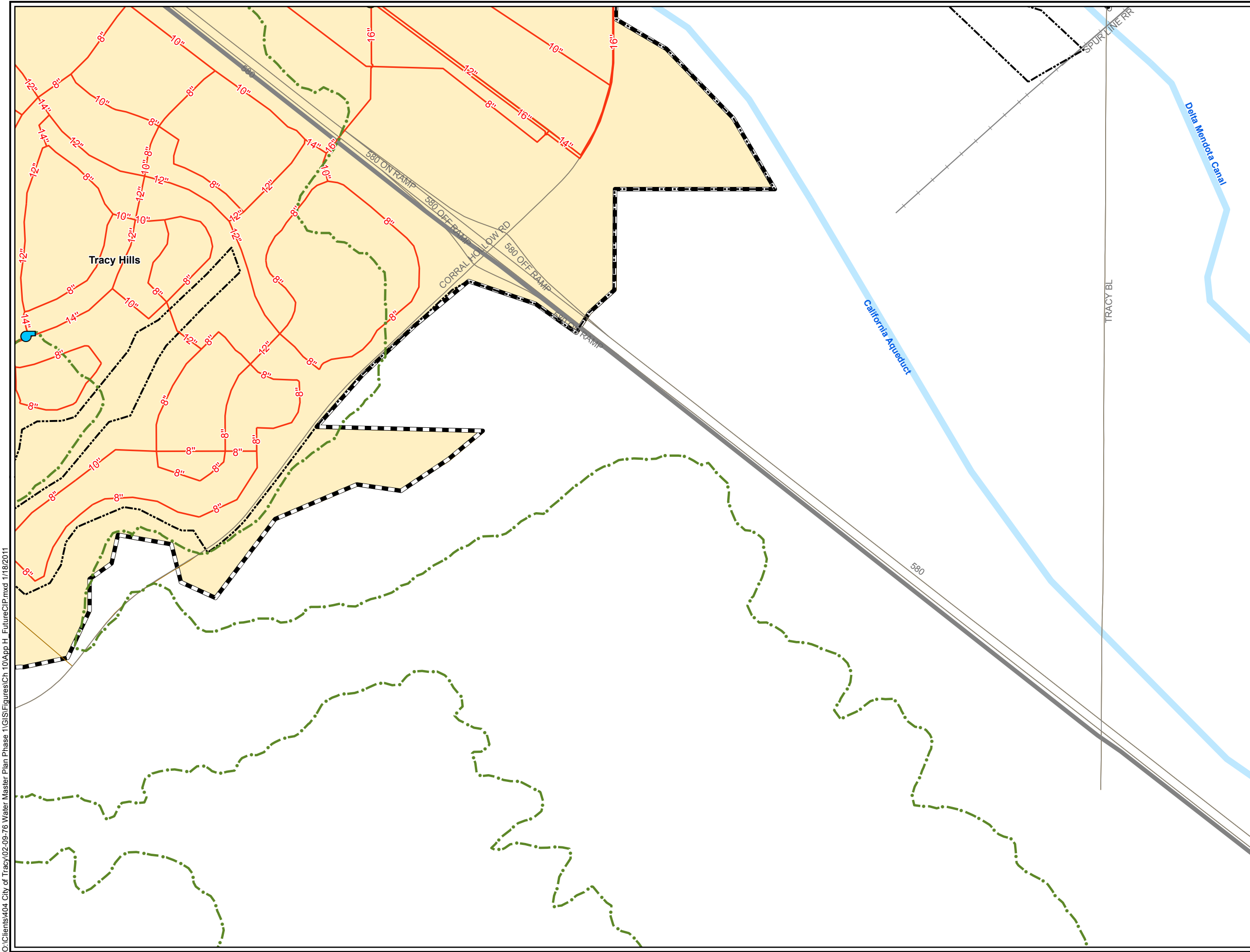
CORRAL HOLLOW RD

**FIGURE E2**  
**City of Tracy**  
**Water System Master Plan**  
**RECOMMENDED**  
**BUILDOUT POTABLE**  
**WATER SYSTEM**  
**PIPELINE IMPROVEMENTS**



- NOTES**
1. The City's existing hydraulic model is not an all pipes model. Therefore, not all existing pipes are shown.
  2. Bore and jack pipeline projects are not shown, but is required for canal, railroad, or major highway crossings.

- LEGEND**
- Proposed Existing Pipeline Upsize
  - Proposed Pipeline
  - Existing Pipeline
  - Proposed Backup Power Generator
  - Proposed Emergency PRV Connection
  - Proposed Pressure Regulating Station
  - Proposed ASR Groundwater Well
  - Proposed Booster Pump Station
  - Proposed Storage Tank
  - Proposed Clearwell
  - WTP/JJWTP
  - Existing Pressure Regulating Station
  - Existing Groundwater Well
  - Existing Booster Pump Station
  - Existing Storage Tank
  - SOI
  - City Limits
  - Proposed Street
  - Existing Highway
  - Existing Street



C:\Clients\404 City of Tracy\02-09-76 Water Master Plan Phase 1\GIS\Figures\Ch 10\App H FutureCIP.mxd 1/18/2011