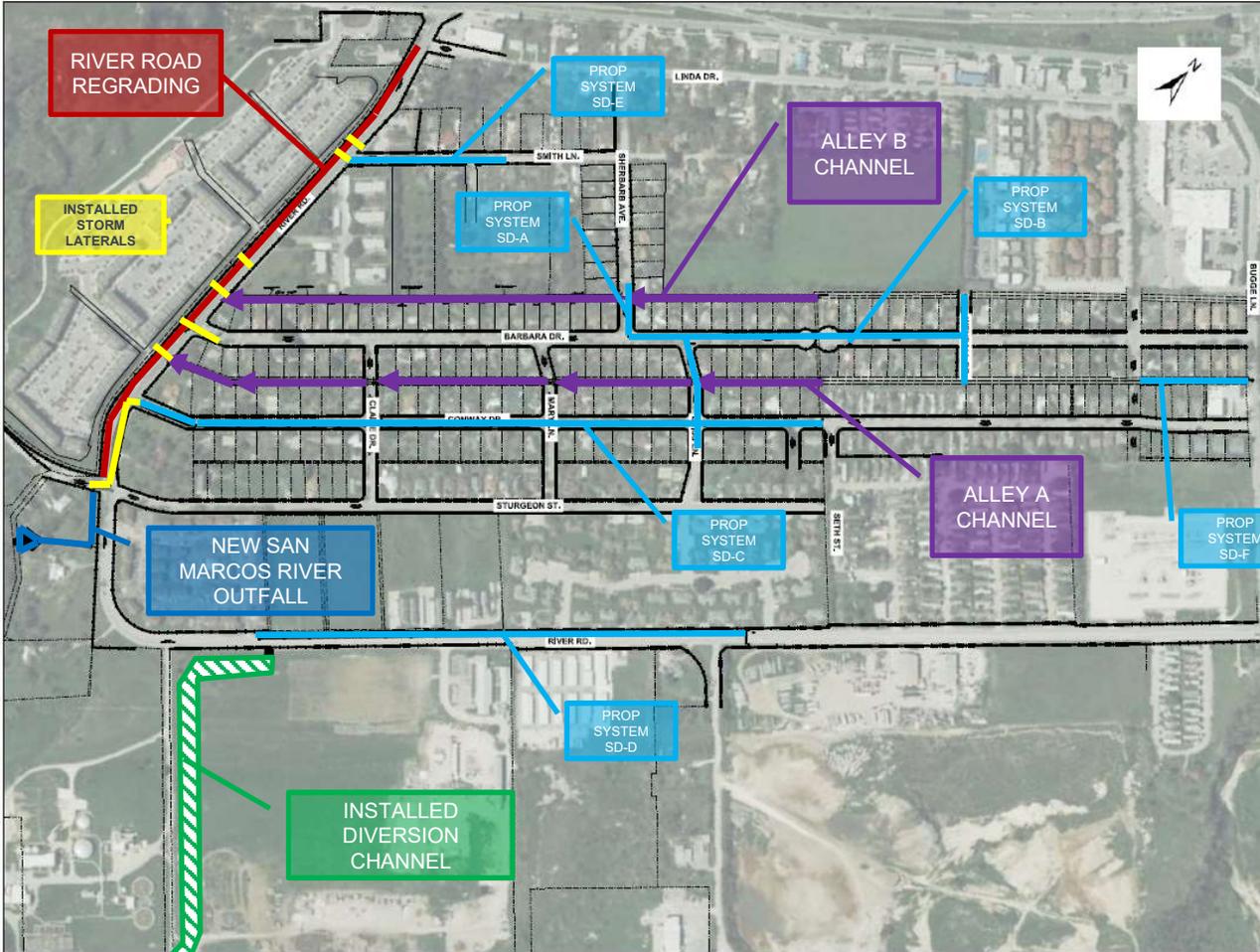




BLANCO GARDENS PROJECT COMPONENTS - DRAINAGE



PURPOSE:

- Reduce Localized flooding in the Blanco Gardens Neighborhood.
- More efficiently convey stormwater runoff to San Marcos River
- Funded with CDBG – DR and MIT (Federal)



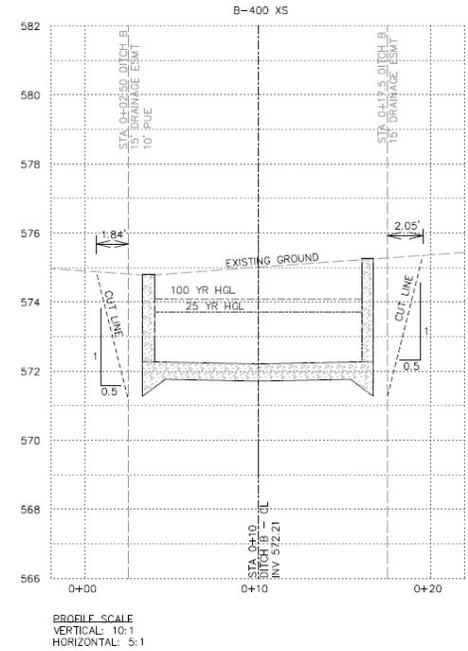
Alley Channel Improvements



FLOODING WITHOUT DITCH IMPROVEMENTS



FLOODING WITH DITCH IMPROVEMENTS



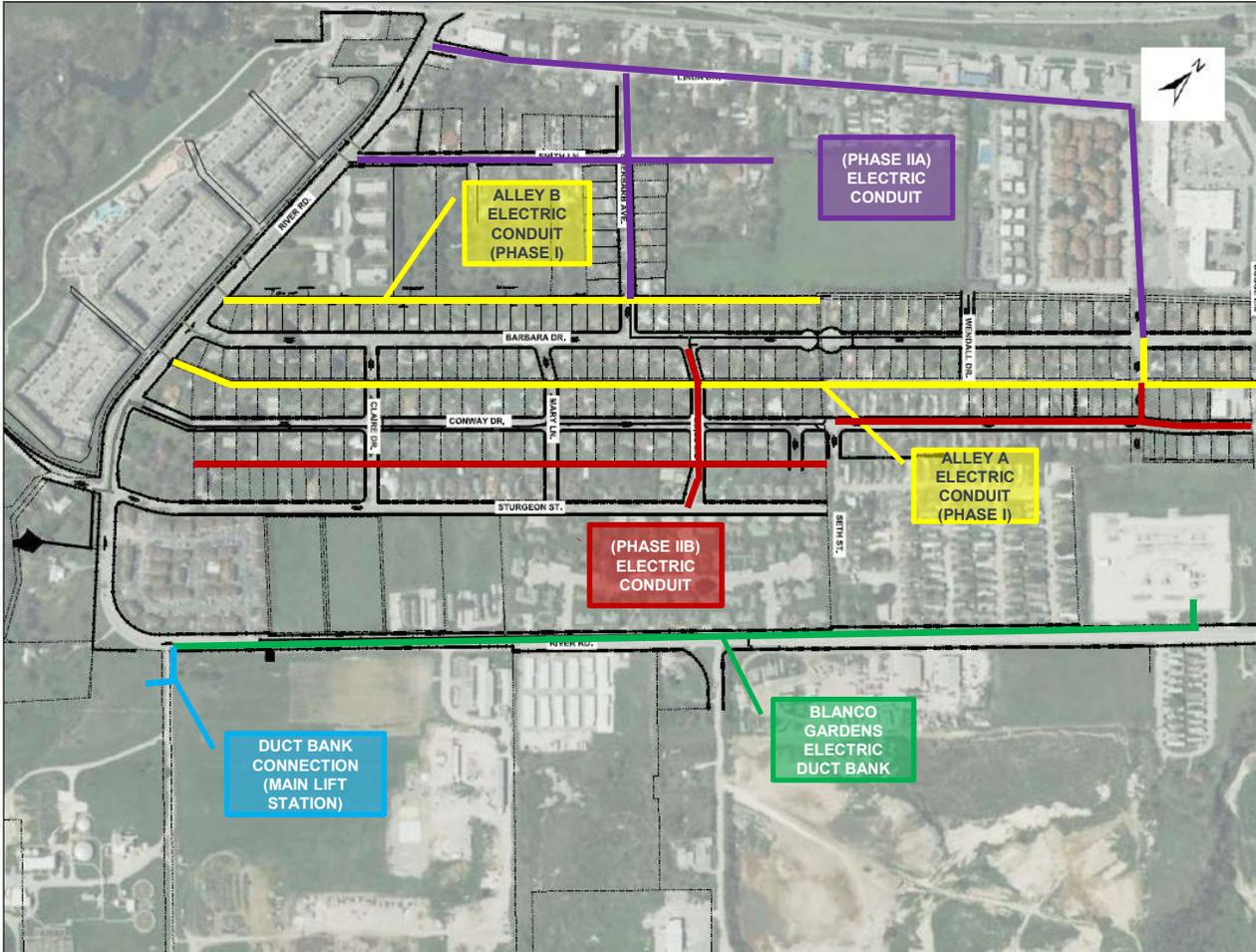
REASONING FOR CONCRETE CHANNELS:

1. BETTER CONVEYANCE – SMALLER CHANNEL WITHIN EXISTING ALLEY/MIN IMPACT TO PRIVATE PROPERTY
2. STRUCTURAL SUPPORT FOR ACCESS & EASIER MAINTENANCE
3. CAPACITY TO MEET CURRENT CITY STANDARD FOR STORMWATER MANAGEMENT

sanmarcostx.gov



BLANCO GARDENS PROJECT COMPONENTS - ELECTRIC



PURPOSE:

Aging electric infrastructure requires wholesale upgrade

In Kind Replacement or Underground Conversion – A Life Cycle Assessment
~\$6.8M In Kind Replacement
~\$7.2M Underground Conversion

Underground is both more reliable and more resilient

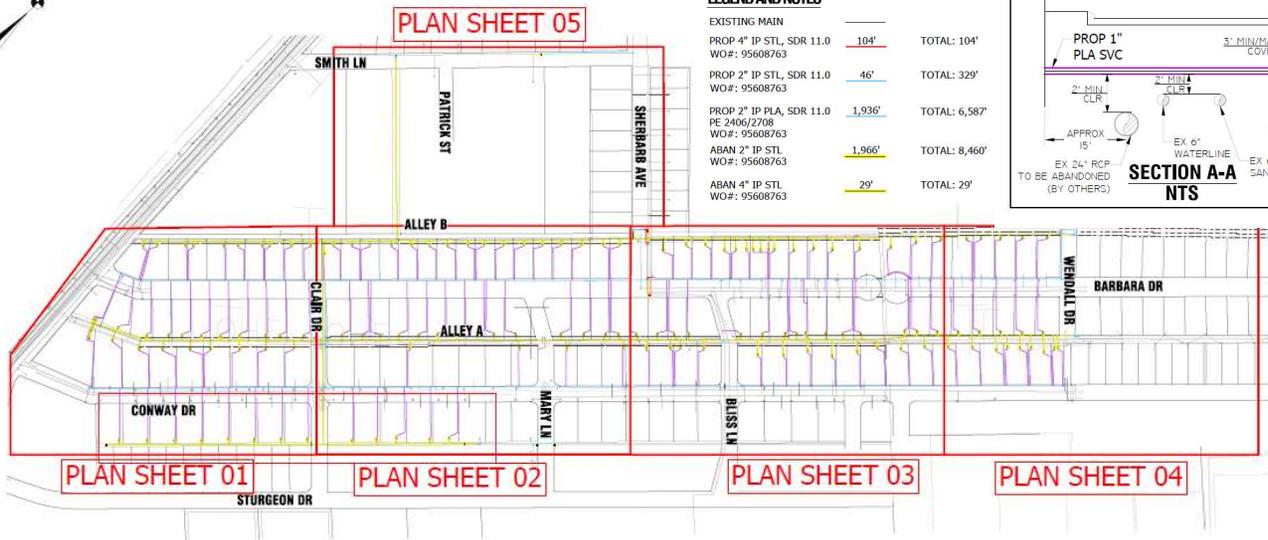
Underground installation is now the standard for new developments throughout the City

Funded by San Marcos Electric Utility (SMEU)

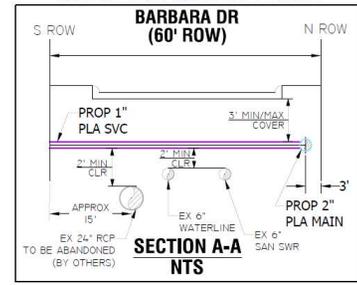
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BLANCO GARDENS PROJECT COMPONENTS – GAS Relocation



CITY OF SAN MARCOS PERMIT

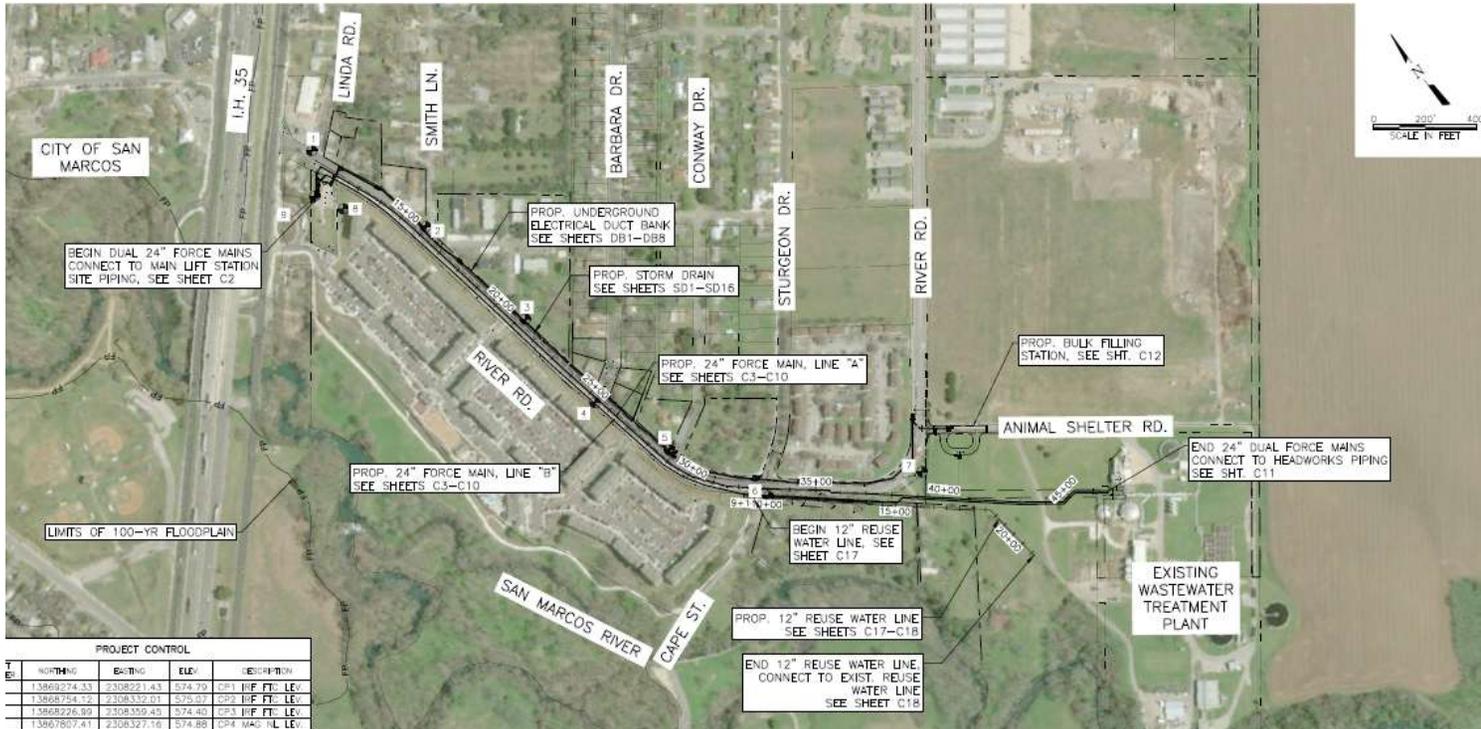


PURPOSE:

- Easier/Faster Access to Residents for any required maintenance.
- Upgrade of older infrastructure.
- Avoid conflicts with existing and proposed utilities in Alleyways.
- Funded by Centerpoint Energy



BLANCO GARDENS PROJECT COMPONENTS – MAIN LIFT STATION



PURPOSE:

Aging electric infrastructure requires wholesale upgrade

In Kind Replacement or Underground Conversion – A Life Cycle Assessment
 ~\$6.8M In Kind Replacement
 ~\$7.2M Underground Conversion

Underground is both more reliable and more resilient

Underground installation is now the standard for new developments throughout the City

Funded by City of San Marcos Capital Improvements Program (CIP)

PROJECT CONTROL				
T.B.	NORTHING	EASTING	ELEV.	DESCRIPTION
	13868274.33	2308221.43	574.79	DB1 I.P. FT. LEV.
	13868274.12	2308332.01	575.07	DB2 I.P. FT. LEV.
	13868226.89	2308359.45	574.40	DB3 I.P. FT. LEV.
	13867807.41	2308327.16	574.85	DB4 M.A.D. RL LEV.