

# VICTORY GARDENS SUBDIVISION IMPROVEMENTS - NORTH SECTION



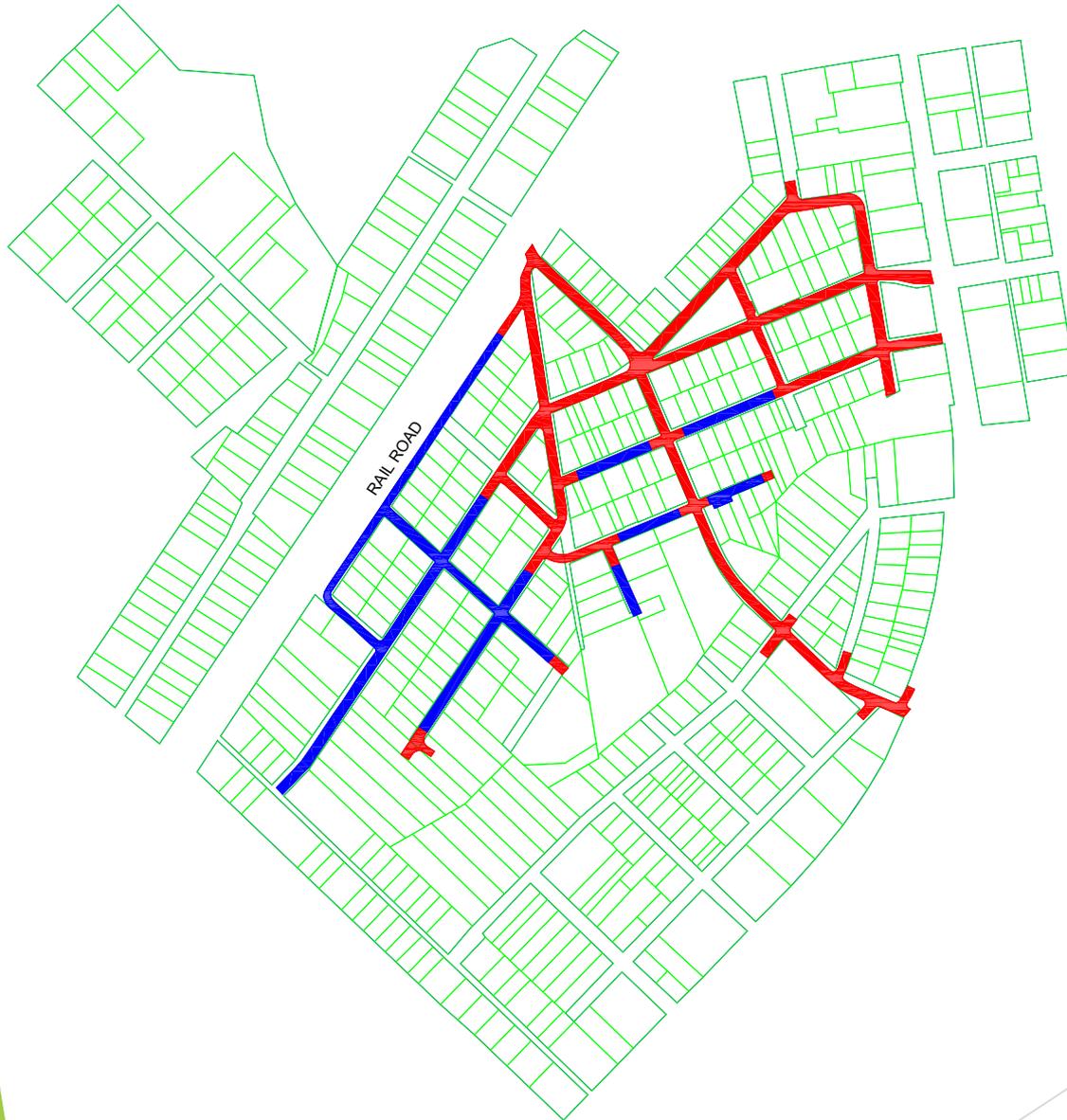
SAN MARCOS, TX

# STEP BY STEP PROCEDURE

- Wastewater Sewer Installation
- Water Line Installation
- Storm Sewer Installation
- Utility Services Installation
- Street Excavation\*
- Flex Base Installation\*
- Concrete Installation
- Prime Coat Application\*
- Asphalt Installation

\* Signifies step only pertaining to full depth reconstruction

# CLASSIFICATION OF STREETS

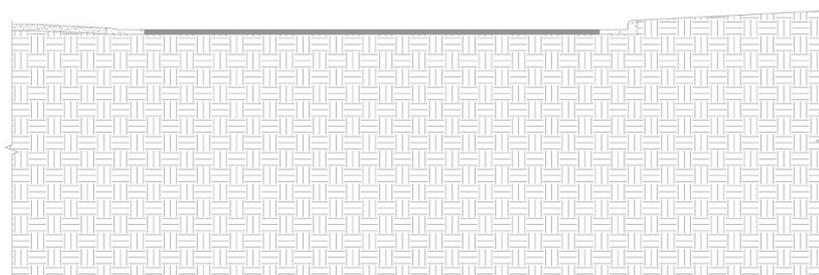


-  — FULL DEPTH RECONSTRUCTION
-  — MILL/OVERLAY

# EXISTING CONDITIONS



CROSS SECTION



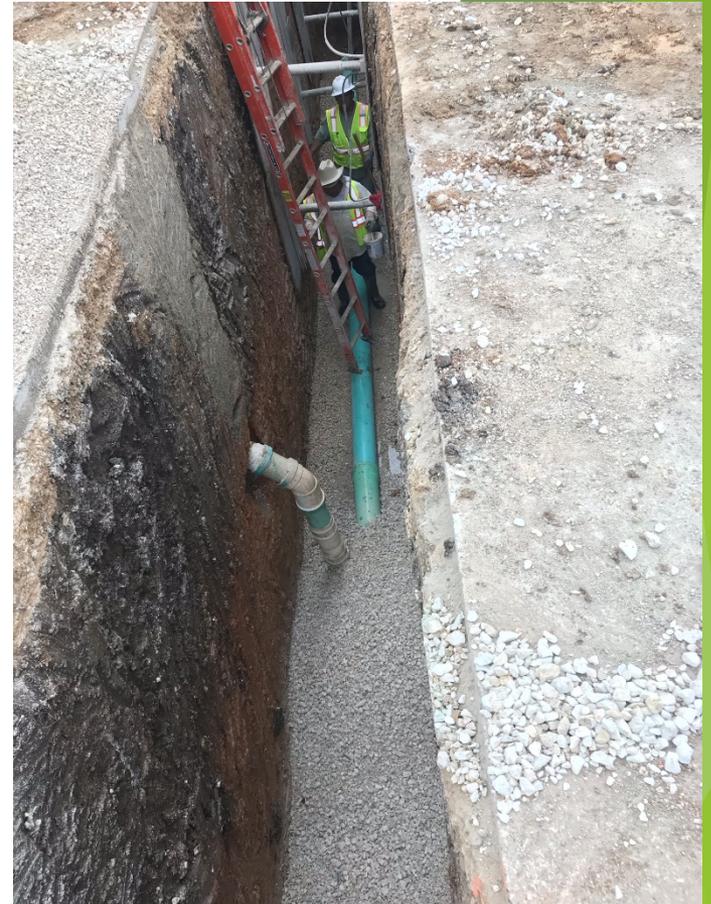
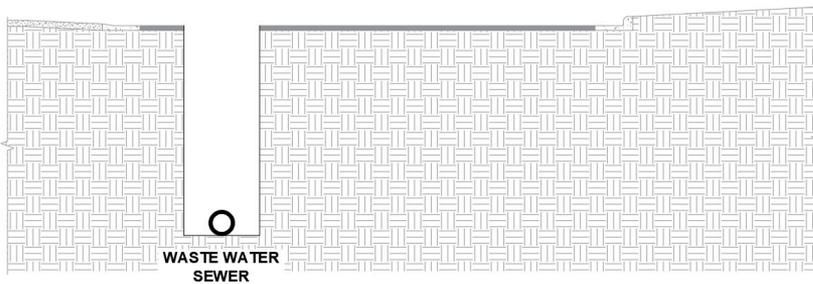
# EXISTING CONDITIONS CONTINUED



# WASTEWATER INSTALLATION



CROSS SECTION



# WASTEWATER INSTALLATION CONTINUED



- Golf Ball Test
- Mandrel Test (after 30 days)

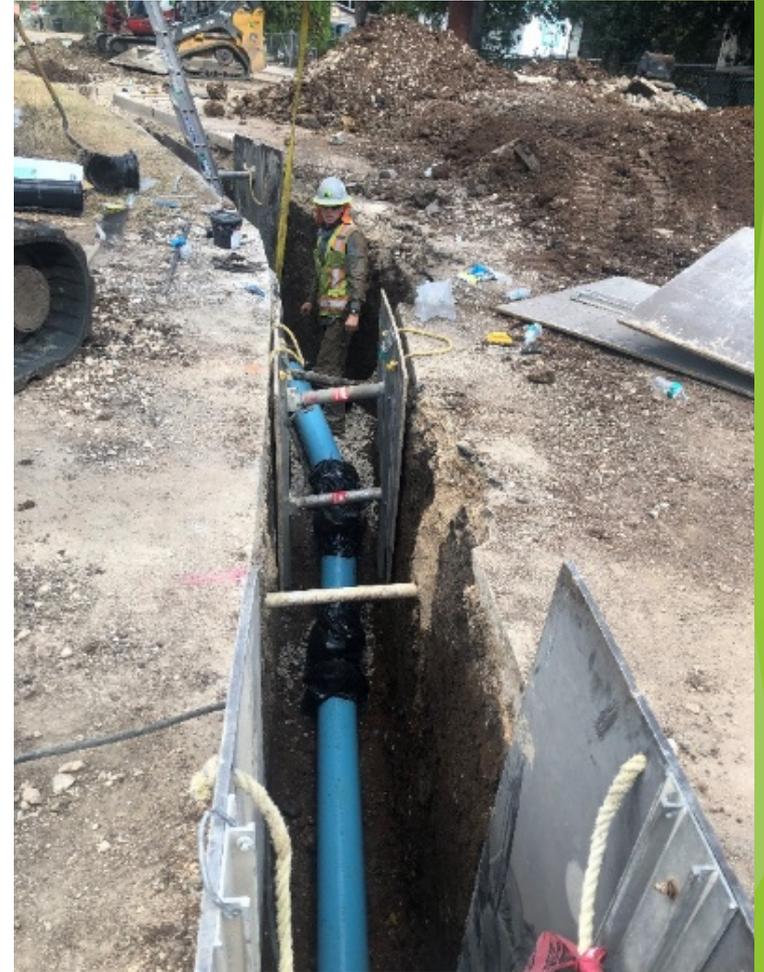


# WASTEWATER INSTALLED TO DATE

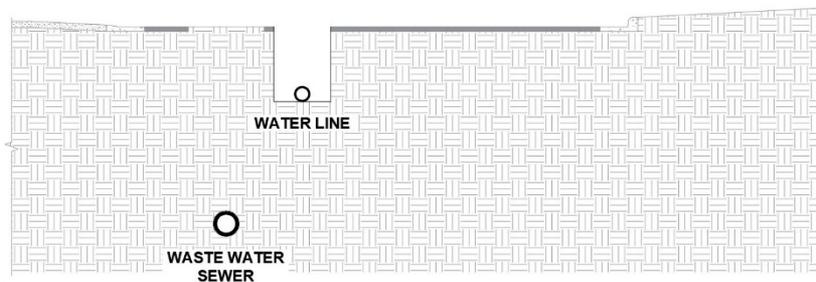


— WASTEWATER INSTALLED

# WATER LINE INSTALLATION



CROSS SECTION



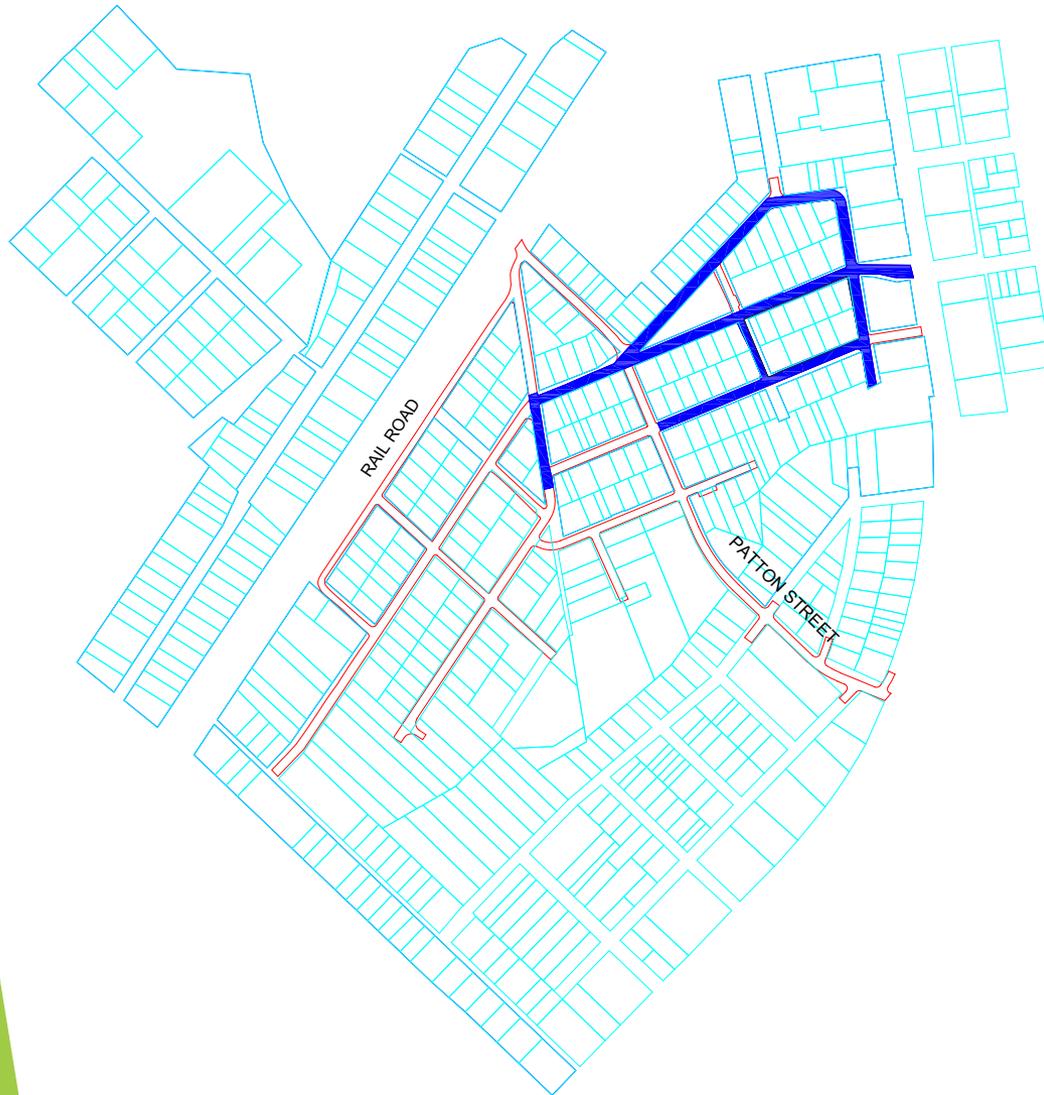
# WATER LINE INSTALLATION CONTINUED



- 4' Minimum Depth
- Pressure Test (150 psi for 2 hours)
- Bacteria Test (Disinfectant)



# WATER LINE INSTALLED TO DATE



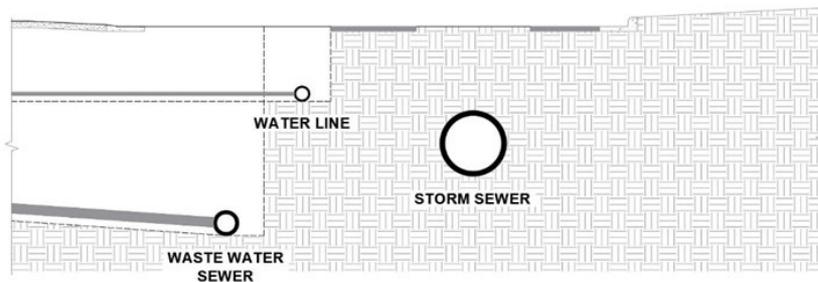
 — WATER LINE INSTALLED

# UTILITY SERVICES INSTALLATION



- Installed after main line
- Typically shallow in depth

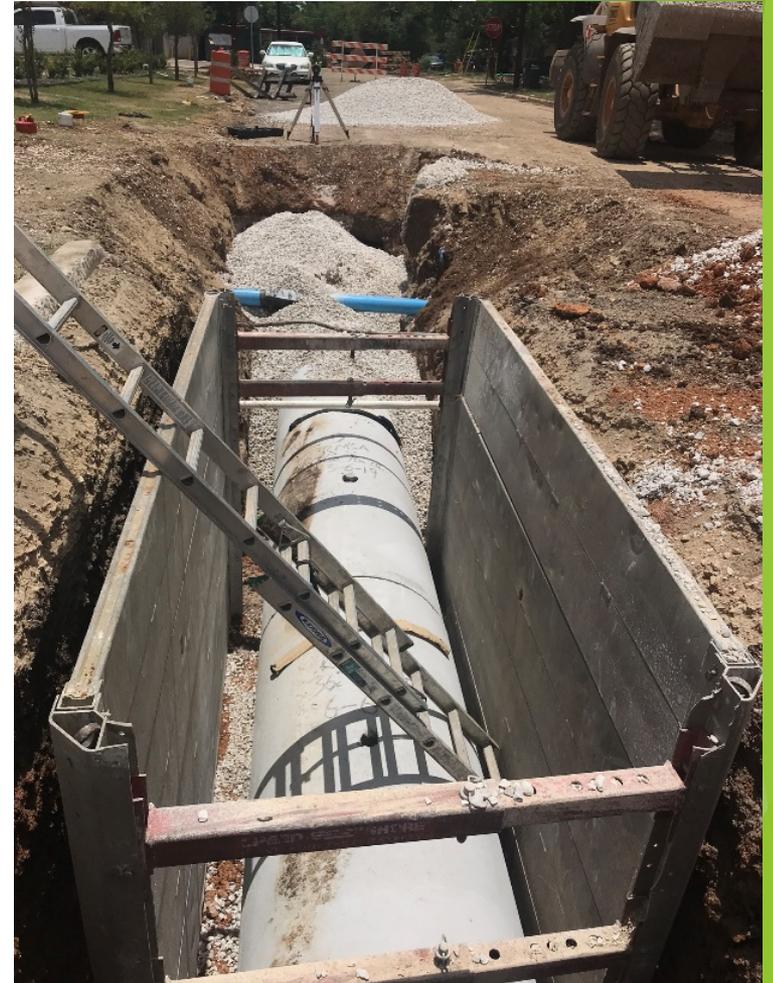
CROSS SECTION



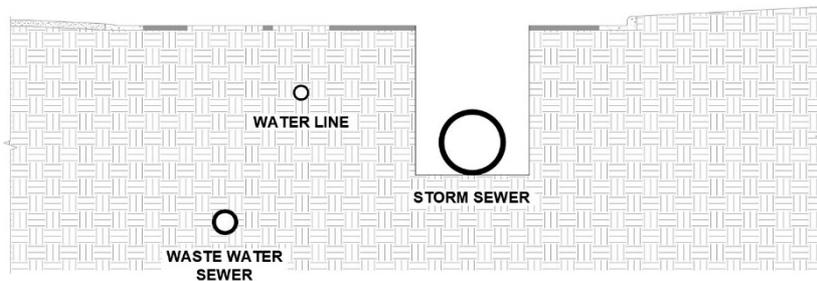
# UTILITY SERVICES INSTALLATION CONTINUED



# STORM SEWER INSTALLATION



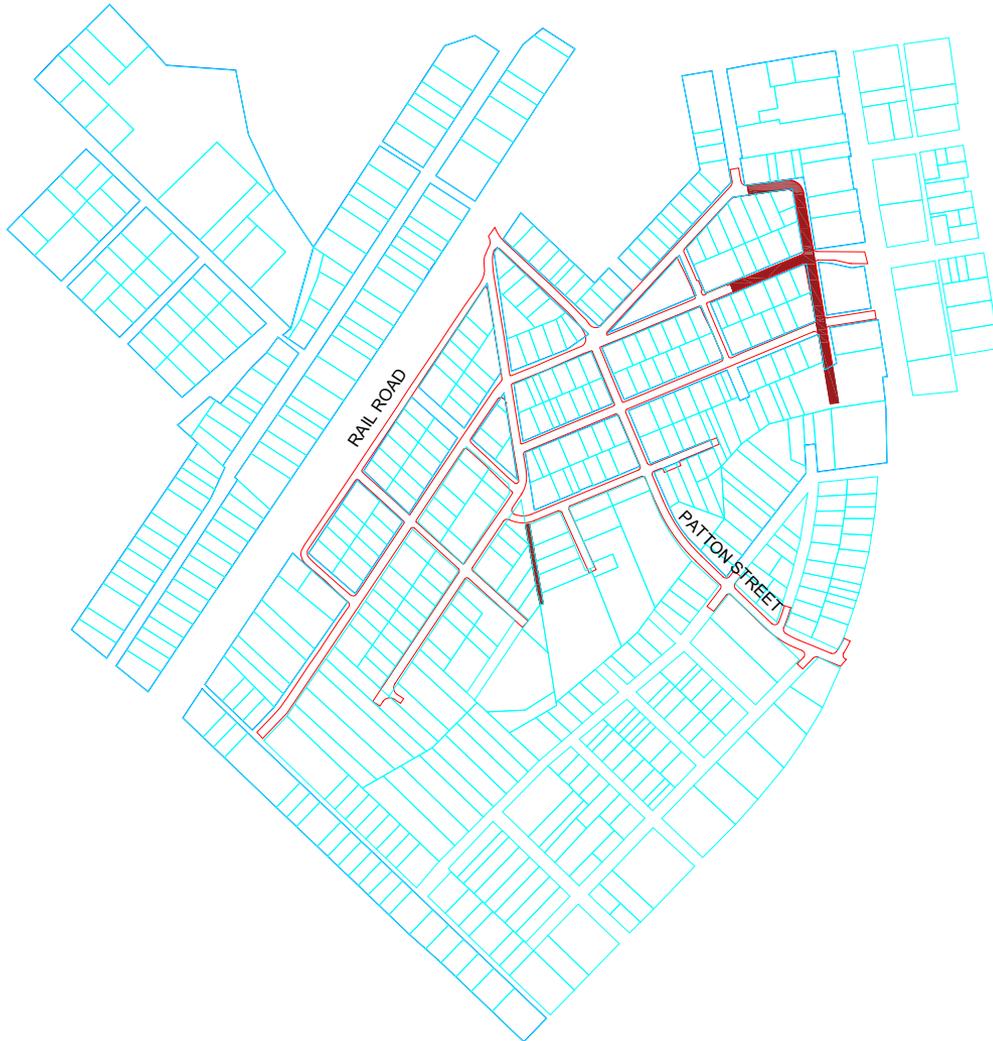
## CROSS SECTION



# STORM SEWER INSTALLATION CONTINUED



# STORM SEWER INSTALLED TO DATE



 — STORM SEWER INSTALLED

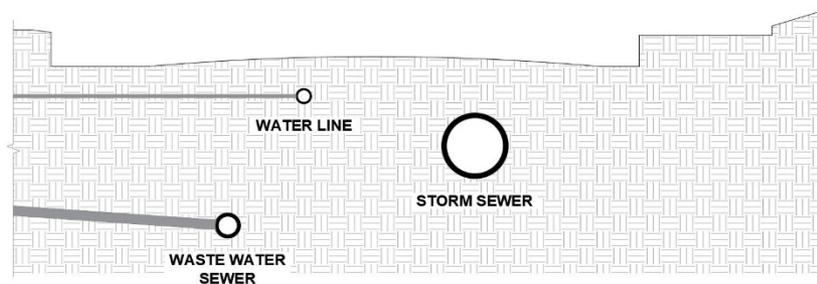
# STREET EXCAVATION



- Average cut is 2' to 3'
- Depth is need to provide slope
- Slope will provide better drainage



## CROSS SECTION



# STREET EXCAVATION CONTINUED



- Moisture Condition subgrade
- Proof Roll
- Density Test

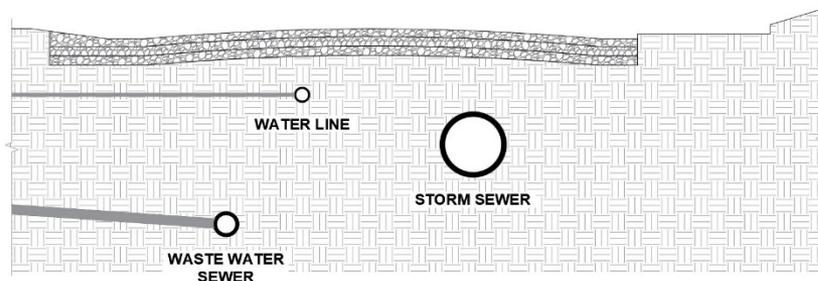


# FLEX BASE INSTALLATION



- 3" to 4" layers
- Three layers
- Density Test each layer
- Concrete to follow

## CROSS SECTION



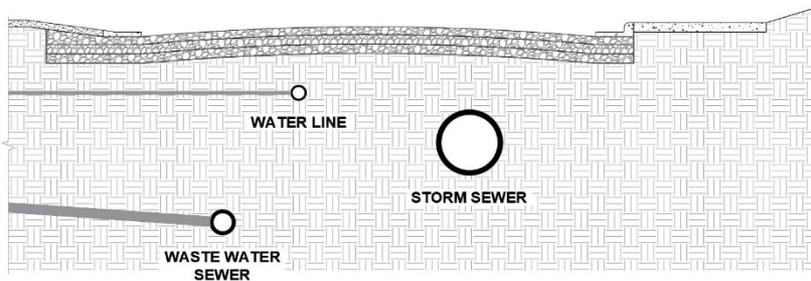
# FLEX BASE INSTALLATION CONTINUED



# CONCRETE INSTALLATION



CROSS SECTION



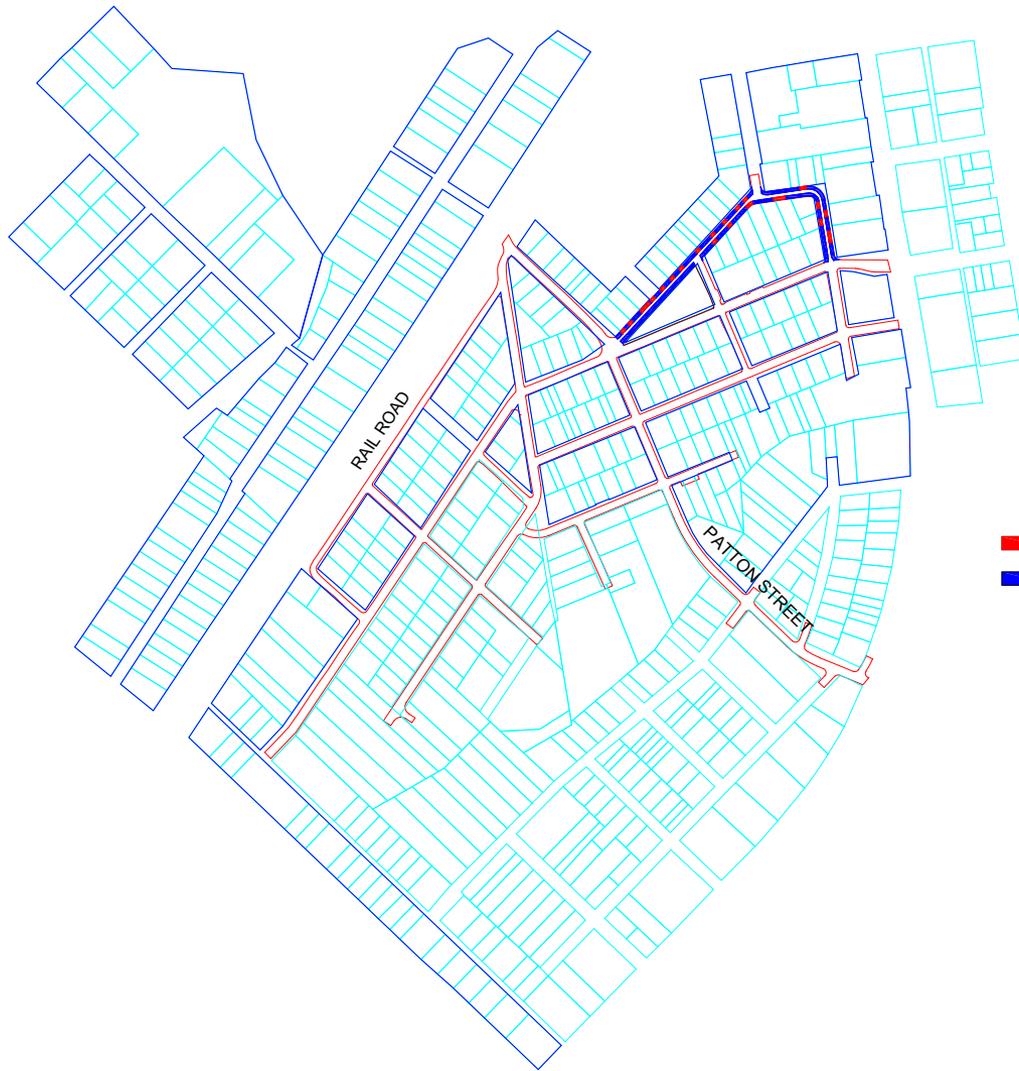
# CONCRETE INSTALLATION CONTINUED



- Curb and Gutter
- Sidewalks
- Driveways



# CONCRETE INSTALLED TO DATE



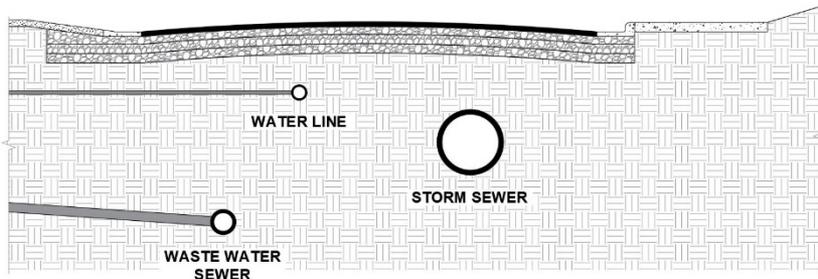
- CONCRETE DRIVEWAYS INSTALLED
- CURB & GUTTER

# PRIME COAT & ASPHALT INSTALLATION



- Prime coat (oily substance)
- 48 hours prior to asphalt installation.

## CROSS SECTION



# PRIME COAT & ASPHALT INSTALLATION CONTINUED



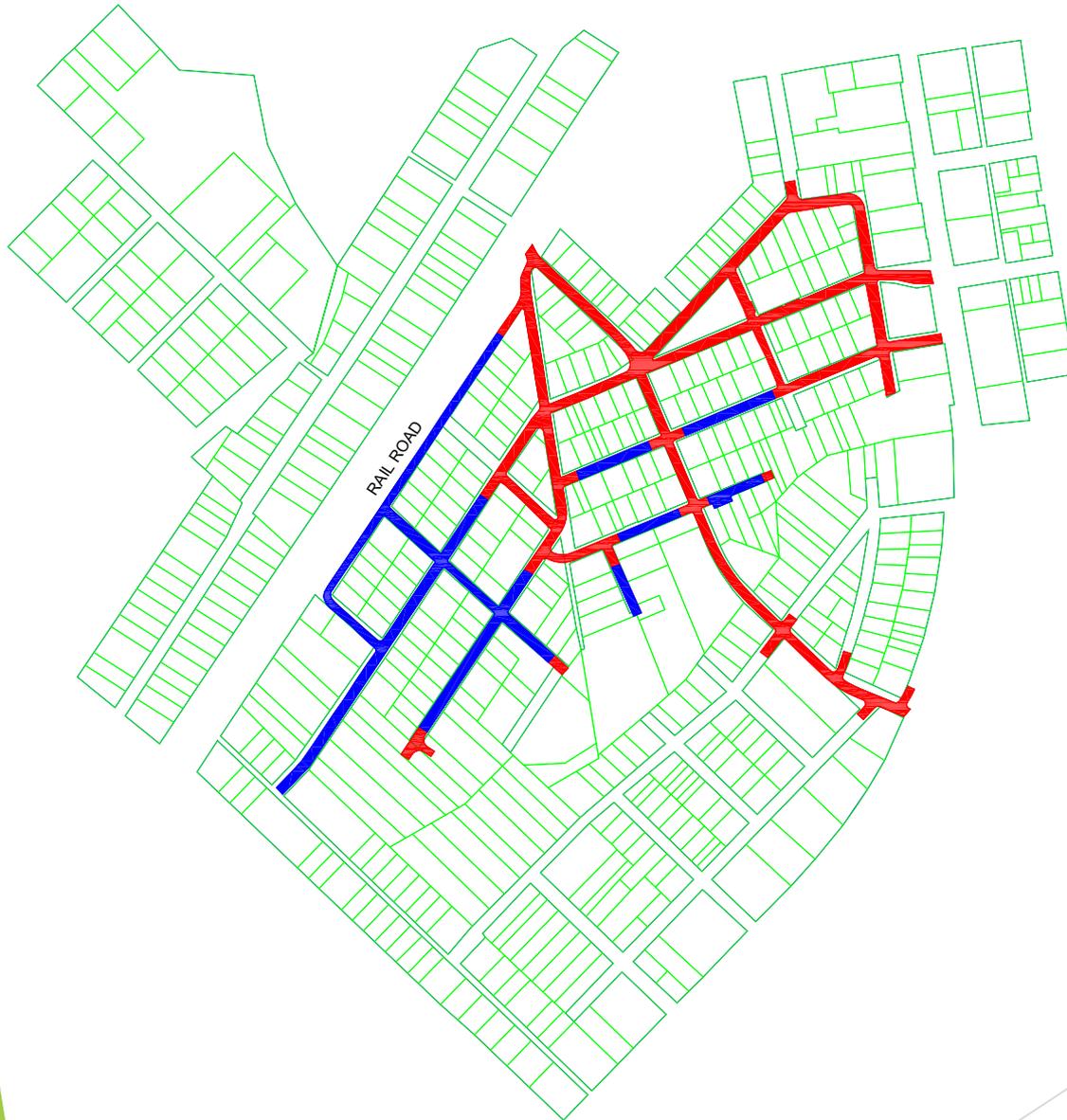
- 2.5" layer of asphalt
- Requires 24 hours prior to vehicular traffic



# ANTICIPATED PROJECTION BY 2020



# CLASSIFICATION OF STREETS



-  — FULL DEPTH RECONSTRUCTION
-  — MILL/OVERLAY

QUESTIONS??