

# BARBERRY RELIEF SEWER

## PROJECT PRESENTATION

### PROJECT TEAM MEMBERS

JOHN HENNESSEY, P.E. – CITY ENGINEER

NICK YUVAN, P.E. – PROJECT MANAGER

JASON MATTEO, P.E. – HYDRAULIC ENGINEER

JOE ALBERTS, P.E. – GEOTECHNICAL ENGINEER

JOHN MILLER – CONSTRUCTION MANAGER

AHMAD ALI – CONSTRUCTION MANAGER





# BARBERRY RELIEF SEWER

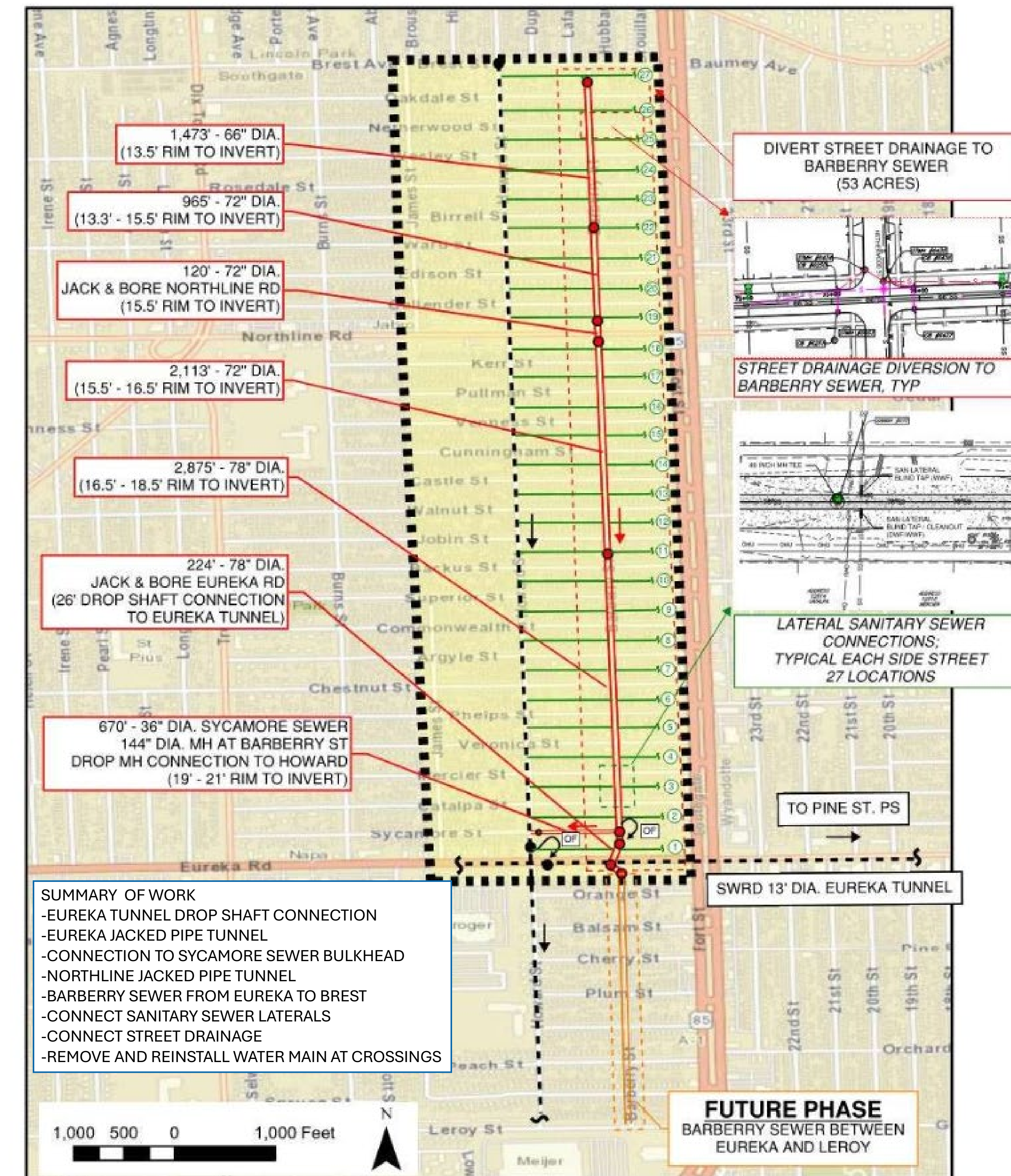
## OVERALL PROJECT SUMMARY

### PROJECT GOALS

- ELIMINATE STREET DRAINAGE INFLOWS INTO THE SANITARY SEWER SYSTEM
- REDUCE THE RISK OF BASEMENT FLOODING AND BACKUPS

### PROJECT FUNDING

- FUNDED THROUGH A FEMA HAZARD MITIGATION GRANT PROGRAM
- TOTAL PROJECT COST IS APPROXIMATELY \$25 MILLION
- 90% OF THE PROJECT IS FEMA-FUNDED
- 10% OF THE PROJECT IS CITY-FUNDED





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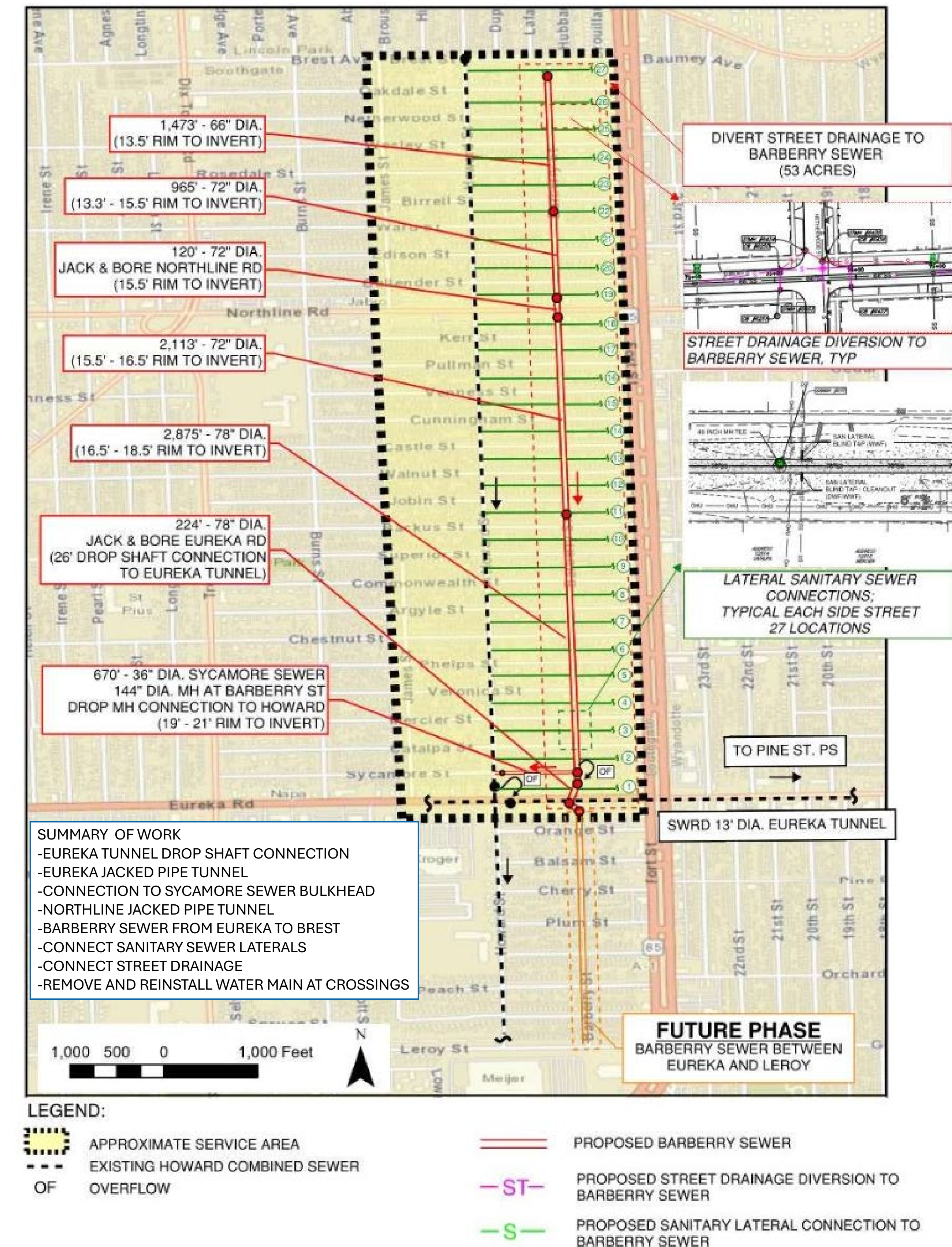
## OVERALL PROJECT SUMMARY

### PROJECT OVERVIEW AND STATS

- EUREKA TUNNEL DROP SHAFT CONNECTION
- JACKED PIPE TUNNEL CROSSING EUREKA AND NORTHLINE
- CONNECTION TO EXISTING BULKHEAD FROM SYCAMORE SEWER
- BARBERRY SEWER FROM EUREKA TO BREST (7,770 LF RANGING FROM 66" TO 78")
- CONNECT SANITARY SEWER LATERALS IN 27 LOCATIONS
- INSTALL AND CONNECT STREET DRAINAGE
- REMOVE AND REINSTALL WATER MAINS IN 26 LOCATIONS
- PAVEMENT RECONSTRUCTION AND GRASS RESTORATION

### HYDRAULIC MODELING SUMMARY

- OVERVIEW OF HYDRAULIC MODELING AND ANALYSIS OF PROJECT AREA





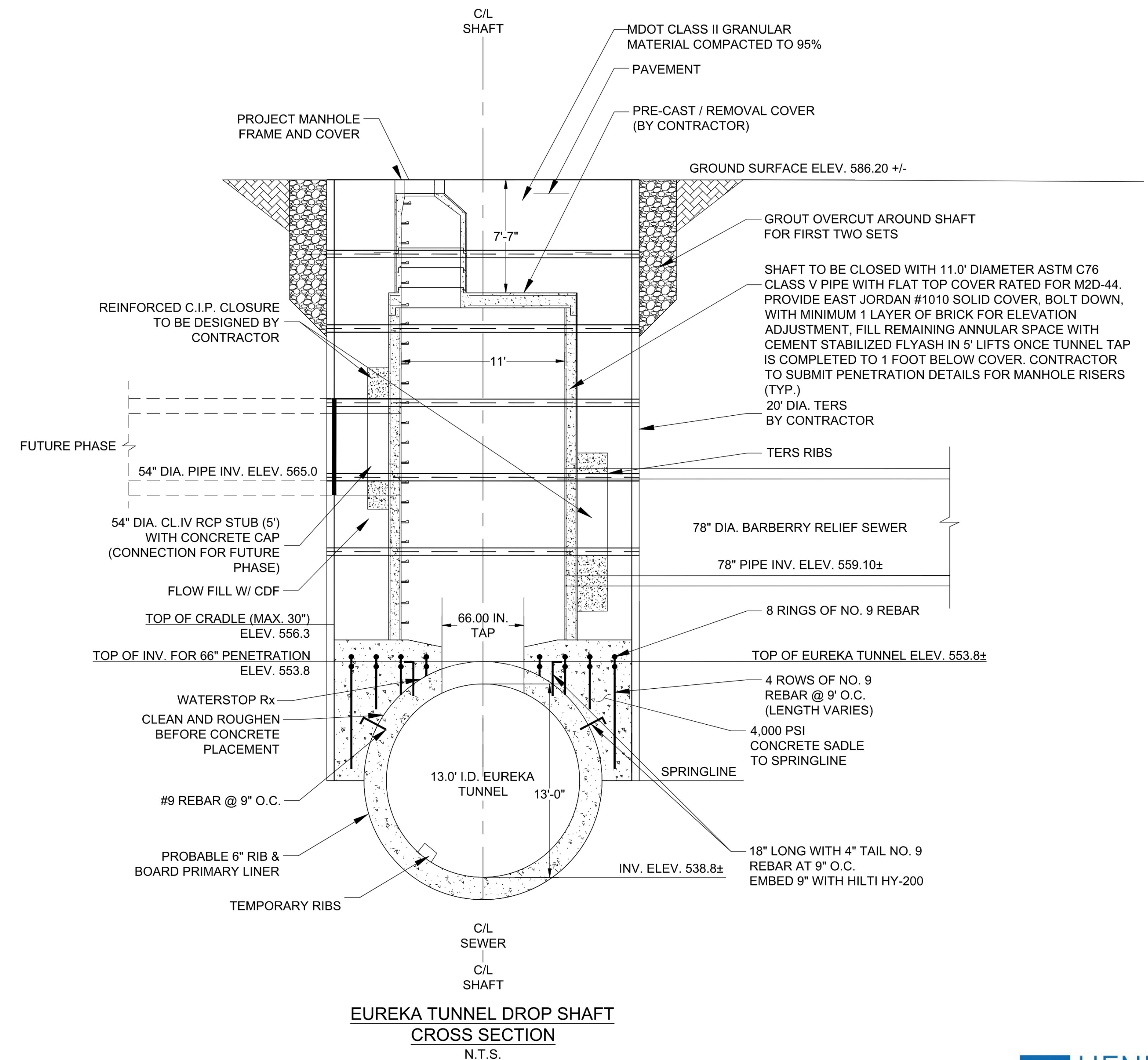
# BARBERRY RELIEF SEWER EUREKA TUNNEL CONNECTION

## EUREKA TUNNEL CONNECTION

- THE BARBERRY SEWER WILL BE TIED INTO THE EUREKA TUNNEL WITH AN 11-FOOT DIAMETER DROP SHAFT WITH MANHOLE ACCESS
- THE EXISTING EUREKA TUNNEL IS 13-FEET IN DIAMETER AND 32-FEET TO THE TOP OF THE TUNNEL (45-FEET TO THE BOTTOM OF THE TUNNEL)
- THIS CONNECTION MUST BE MADE BEFORE PUTTING THE NEW BARBERRY RELIEF SEWER INTO OPERATION (SCHEDULED TO BE COMPLETED IN MAY AND JUNE OF 2026)

## GEOTECHNICAL AND SOILS DISCUSSION

- ## ➤ OVERVIEW OF GEOTECHNICAL CONCERNS AND SOILS





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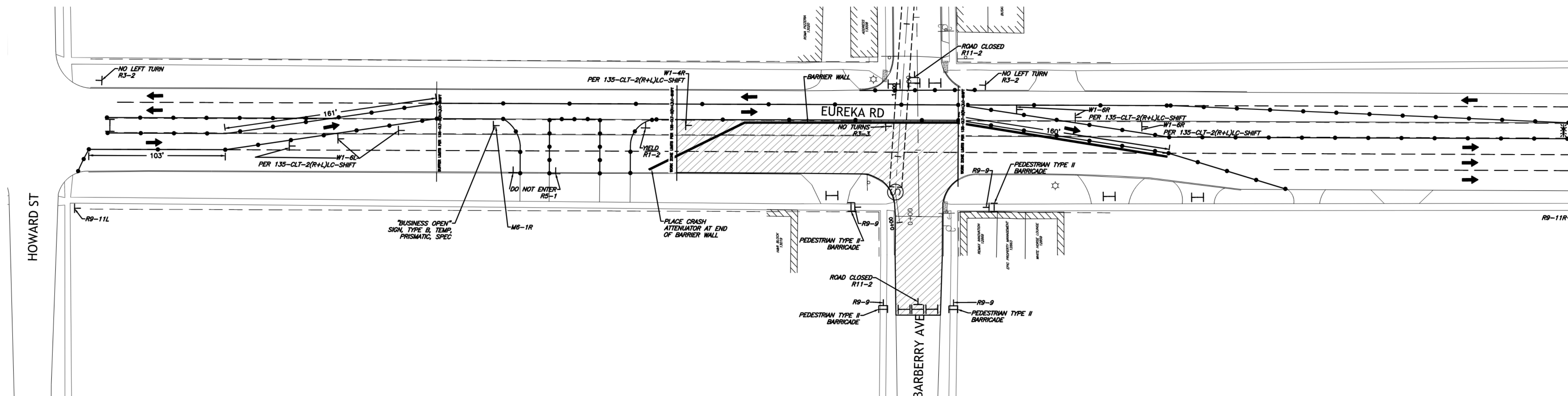
## TRAFFIC CONTROL

### BARBERRY STREET TRAFFIC CONTROL

- TRAFFIC CLOSURES ALONG BARBERRY TO BEGIN IN MAY 2026
- EACH EAST-WEST STREET THROUGH BARBERRY MAY BE CLOSED FOR 20-30 DAYS
- A MAXIMUM OF 3 CONSECUTIVE STREETS WILL BE CLOSED AT ANY GIVEN TIME
- EAST-WEST ACCESS ALONG EACH STREET SHALL BE MAINTAINED AS MUCH AS POSSIBLE
- NORTH-SOUTH TRAFFIC ALONG BARBERRY WILL BE PROHIBITED DURING CONSTRUCTION

### EUREKA ROAD TRAFFIC CONTROL

- DURING THE WORK ON THE EUREKA TUNNEL AND DROP SHAFT:
- TRAFFIC WILL BE SHIFTED ON EUREKA DOWN TO TWO LANES (ONE IN EACH DIRECTION)
- THROUGH THE INTERSECTION OF BARBERRY AND EUREKA (SEE IMAGE BELOW)

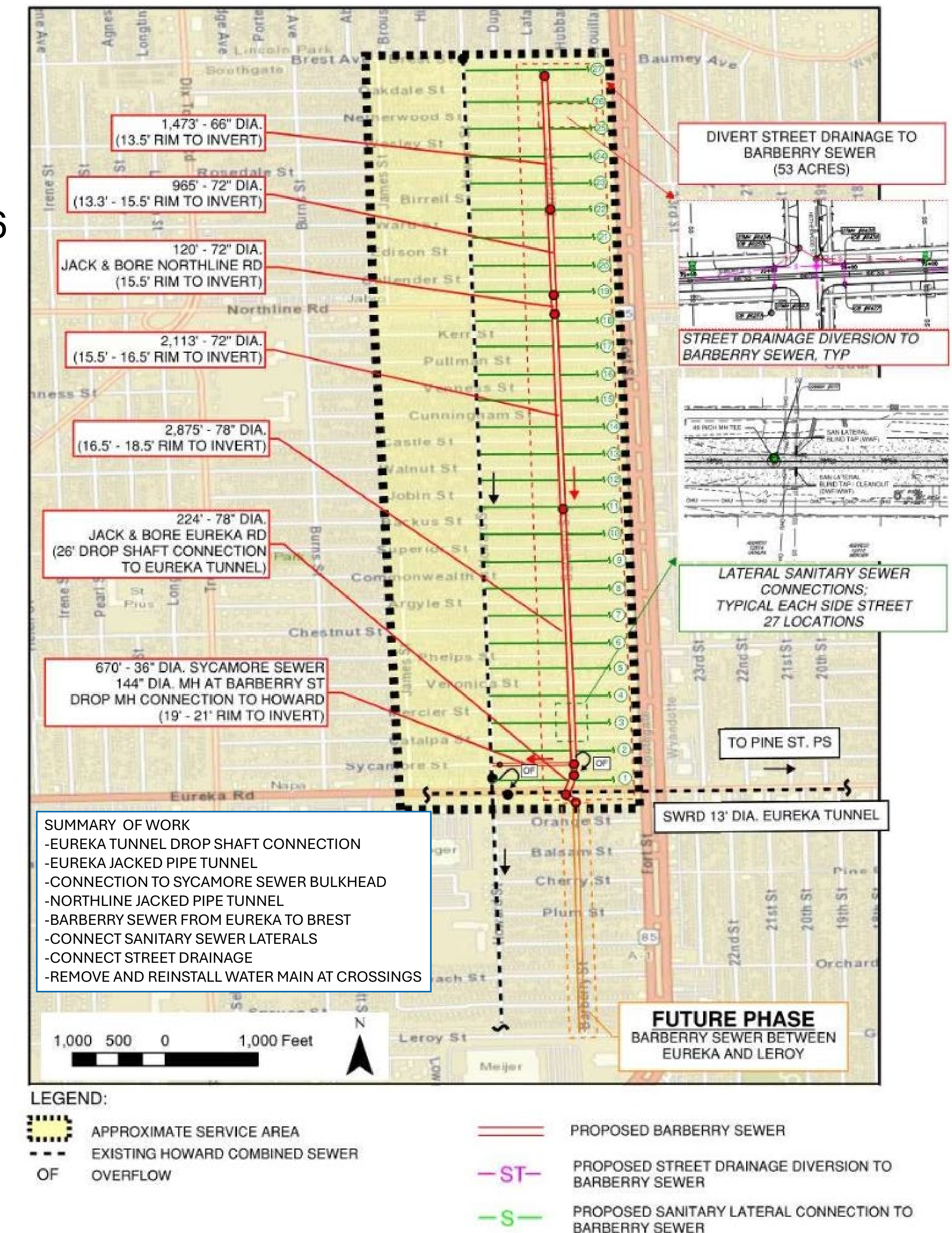




# BARBERRY RELIEF SEWER

## ESTIMATED PROJECT SCHEDULE

- TREE REMOVALS ALONG BARBERRY – STARTING APRIL 20, 2026
- MAINTENANCE OF TRAFFIC SETUP ALONG EUREKA AND FORT – STARTING MAY 2026
- EUREKA TUNNEL DROP SHAFT AND CONNECTION TO EUREKA TUNNEL – MAY AND JUNE 2026
- TUNNELING UNDER EUREKA AND NORTHLINE – JUNE AND JULY 2026
- TRAFFIC CLOSURES ALONG BARBERRY TO BEGIN IN MAY 2026
  - EACH EAST-WEST STREET THROUGH BARBERRY MAY BE CLOSED FOR 20-30 DAYS
  - A MAXIMUM OF 3 CONSECUTIVE STREETS WILL BE CLOSED AT ANY GIVEN TIME
  - EAST-WEST ACCESS ALONG EACH STREET SHALL BE MAINTAINED AS MUCH AS POSSIBLE
- MAINLINE RELIEF SEWER CONSTRUCTION ALONG BARBERRY – MAY 2026 TO JANUARY 2027
- ROADWAY STORM SEWER AND WATER MAIN RECONNECTIONS – MAY 2026 TO JANUARY 2027
- ROADWAY PAVING ALONG BARBERRY – JULY 2026 TO MAY 2027
- GRASS RESTORATION AND PERMANENT SIGNAGE – MAY 2027 TO JUNE 2027
- FINAL COMPLETION ESTIMATED BY END OF JUNE 2027





# BARBERRY RELIEF SEWER

## COMMENTS AND DISCUSSION

