



# Shore Acres Interceptor Emergency Repair Authorization

Board of Directors Meeting  
February 9, 2022



TRANSFORMING WASTEWATER TO RESOURCES



# Shore Acres Interceptor Site Location



# Shore Acres Interceptor Failure Event Summary



- Sinkhole discovered near 30-inch Shore Acres Interceptor on January 12, 2022
- Field investigation revealed limited, localized failure (i.e., two holes, <1 foot in diameter)
- Immediate actions by staff to allow continued operation
  - Diverted upstream flow and utilized existing storage
  - Installed temporary bypass pumping system (not used)
  - Staff monitored site location to ensure continued flow conveyance
- District contractor exposed and stabilized pipeline failure to allow continued use of existing line
- Completed emergency repair work by February 4, 2022
- Failure event resulted in no sanitary sewer overflow (SSO)
  - Maintained service to all customers without disruption



# Shore Acres Interceptor Site Photos



Sinkhole prior to being exposed and stabilized with shoring boxes



Pipeline failure (two holes, <1 foot in diameter)

# Shore Acres Interceptor Temporary Bypass System



Temporary bypass pump system



Temporary bypass piping  
discharge to downstream  
manhole

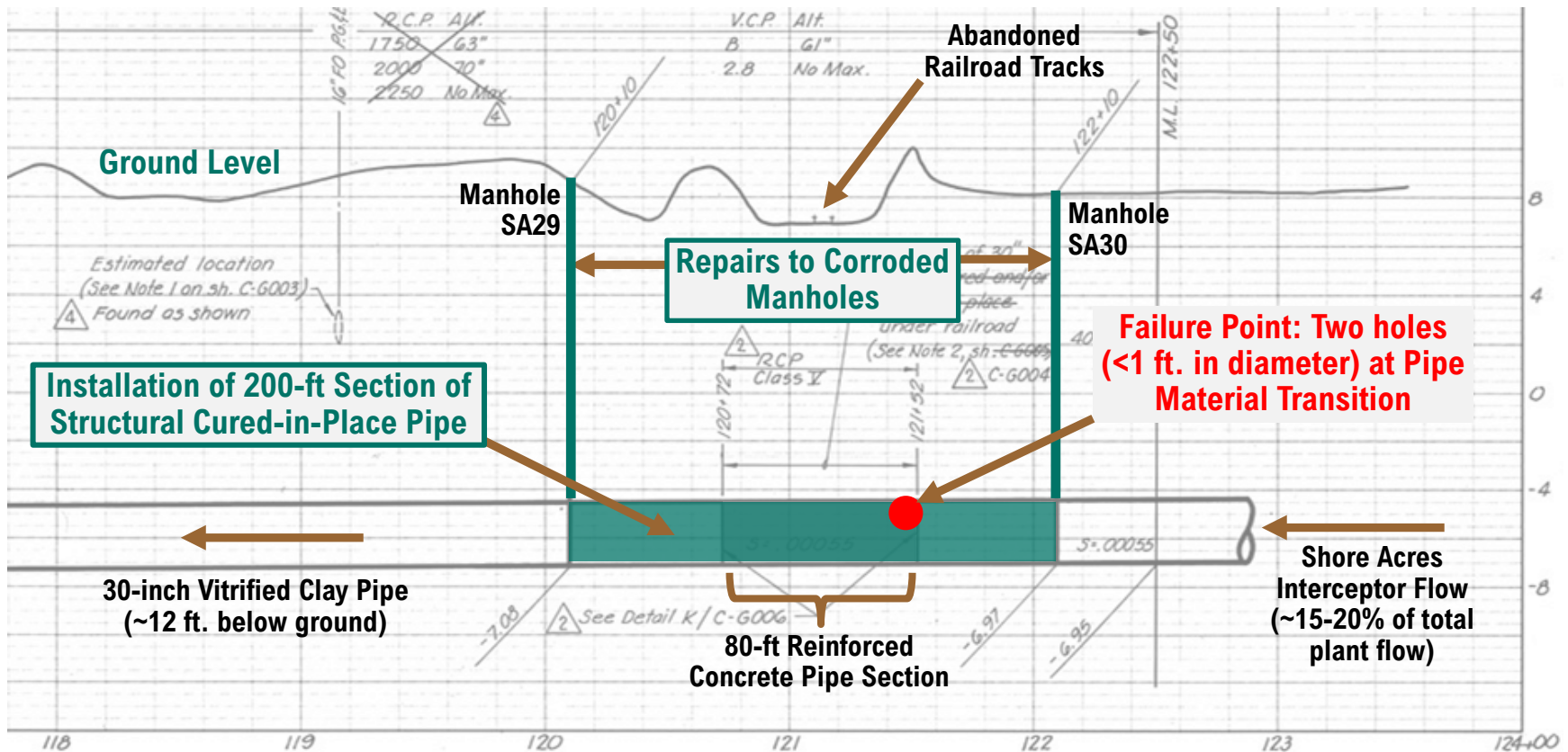
# Shore Acres Interceptor Inspection and Follow-up Repair



- Staff developed and implemented plan to inspect internal condition of 30-inch pipeline
  - Expanded temporary bypass pump system to allow for closed-circuit television (CCTV) inspection and repair work
  - Conducted CCTV inspection of ~200-foot section to assess pipe integrity
  - Inspection findings—reinforced concrete pipe (RCP) section is severely corroded resulting in loss of structural integrity
    - Vitrified clay pipe (VCP) portions of the 30-inch pipeline are in good condition
- Key Finding: Pipeline is significantly corroded along 80-foot section of RCP, requiring replacement to avoid imminent failure



# Shore Acres Interceptor Failure Point and Repair Work



**Cross-sectional View**

# Shore Acres Interceptor Cured-In-Place Pipe (CIPP) Liner



CIPP installation setup



Post-installation CIPP liner

- Installation of 200-ft section of CIPP structural liner was completed by January 28, 2022



# Shore Acres Interceptor Manhole Replacement



Existing manhole was in poor condition and required removal prior to rehabilitation



Replaced manhole components to ensure operational reliability

- Replacement of two corroded manholes (SA29, SA30) was completed on February 4, 2022

# Recommended Actions

1. Adopt resolution declaring that, as of January 12, 2022, public interest and necessity demanded immediate expenditure of public money to repair the unanticipated structural failure of a 30-inch gravity sewer segment of the Shore Acres Interceptor to safeguard life, health, and property, without submitting the expenditure to bid, pursuant to Public Contract Code Section 20783
2. Ratify the General Manager's establishment of a new FY21/22 project within the WW CAR Fund, entitled "Shore Acres Interceptor Emergency Repair Project" and transfer of monies from WW CAR Fund Reserves, in the amount of \$350,000, for a total project budget of \$350,000



# Recommended Actions (cont'd)

3. Ratify the General Manager's negotiation and execution of agreements for materials procurement, construction, and other related services as required to complete emergency repair of the Shore Acres Interceptor, including installation of temporary bypass pumping, in a total combined amount not to exceed \$350,000
4. Determine that the emergency repair of the Shore Acres Interceptor is exempt from environmental review under CEQA, and direct General Manager, or his designee, to file a CEQA Notice of Exemption (NOE) with the County Clerk-Recorder