

City of Manhattan Beach Department of Public Works



Sewer Main Rehabilitation Project



INFORMATION MEETING

Sewer Replacement Project

March 22, 2016

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Contractor:

Miramontes Construction Company



Agenda for Tonight's Meeting

- Purpose
- Location of Work
- Sewer Project Aspects
- Schedule
- Potential Impacts
- 7th St Walk Street Reconstruction



Purpose of this Project

- Replace Deteriorated **Sewer** Pipes
- Increase Pipe Size
- Relocation out of Encroachment Areas and into the Walk Street
- **Benefits:** New Sewer, Reduced Maintenance and Potential for Backups
- **Additional Benefit:** New Walk Street (7th St)
- Does not include Water Main Replacement



Project Street Locations

- **3rd Street:** Ingleside to Crest Drive
- **4th Street:** Ingleside to Valley Drive
- **Ingleside Drive:** 5th to 7th Street
- **7th Street:** Crest to Valley Drive

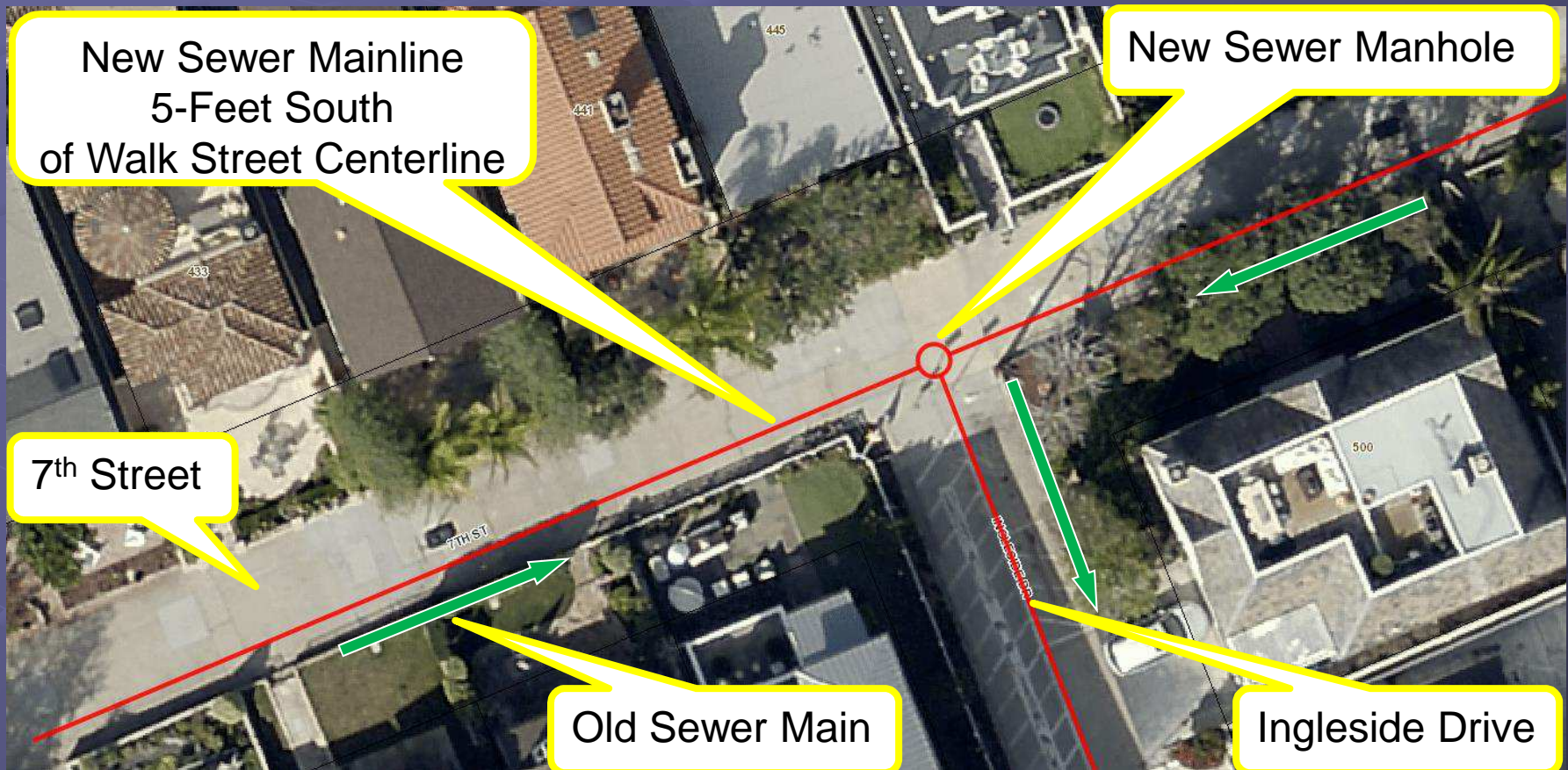


Location Map





7th St Sewer Location





Phases of a Sewer Project

- ✓ **Preconstruction:** Survey, Sawcut, Potholing...
- ✓ **Installation** of New Sewer **Mainline Pipe**
- ✓ Construction of new **Sewer Manholes**
- ✓ **Testing** of the New Sewer Mainline Pipe
- ✓ Reconnect **Residential Service Laterals**
- ✓ **Abandon** Existing Sewer in Place
- ✓ Pavement **Restoration & Site Improvements**



Project Schedule Target Dates

- ✓ Bid Opening: December 2, 2015
- ✓ Award of Contract: February 2, 2016
- Construction Start: April 4, 2016
- 7th Street: May - July 2016
- Construction End: November 2016
(All 4 Project Streets)

A detailed project notice will be provided prior to start of construction & as schedule progresses.



Impacts of this Project

- Typical Work Hours: 7:30am to 3:30pm (M-F)
- Increased Construction Activity
- Traffic and Parking
- Residential Driveway Access
- Trash Pickup and Street Sweeping
- Encroachment Area Private Improvements
- Public R.O.W. Needs to be Cleared
- **7th Street - Walk Street Reconstruction**



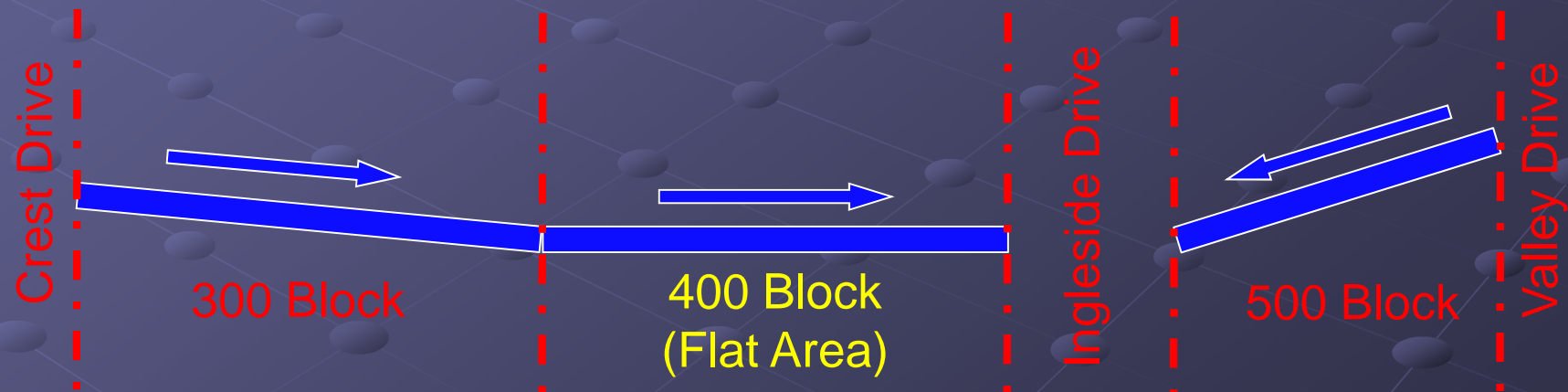
Walk Street Reconstruction

- Proposed Design
- Points of Concern
- Acceptable **Alternatives**



Proposed Design

- Proposed In Response to Resident Concerns
- Green Solution: Infiltration
- New Concrete Pavement & Pervious Pavers
- Fits within the Existing Topography



7th Street Profile (side view)



Proposed Design



South Side

Flow Line
(Crest to Ingreside)

6-Foot Wide Pervious Pavers

Sheet Flow Across

North Side

18-FT Wide Walk Street (Looking West)



Points of Concern

- Will future problems occur?
- Standing (nuisance) Water
- Child Friendly and Safety
- Environmentally Sound
- Keeping a Flat Walk Street
- Other Walk Streets Do Not Have Pervious Pavers



Acceptable Alternatives

1. Restore **In-Kind** (New Concrete)
2. **Reduced** Pervious Paver **Width** (south side)
 - **OR**; Pervious Pavers on North & South Sides
3. **Intermittent** Infiltration (Spot) **Drains**
 - Spot Drains along south side Flow Line



Acceptable Alternatives

ALT #2
Reduced Width
South Side Only

ALT #1
Replace in Kind

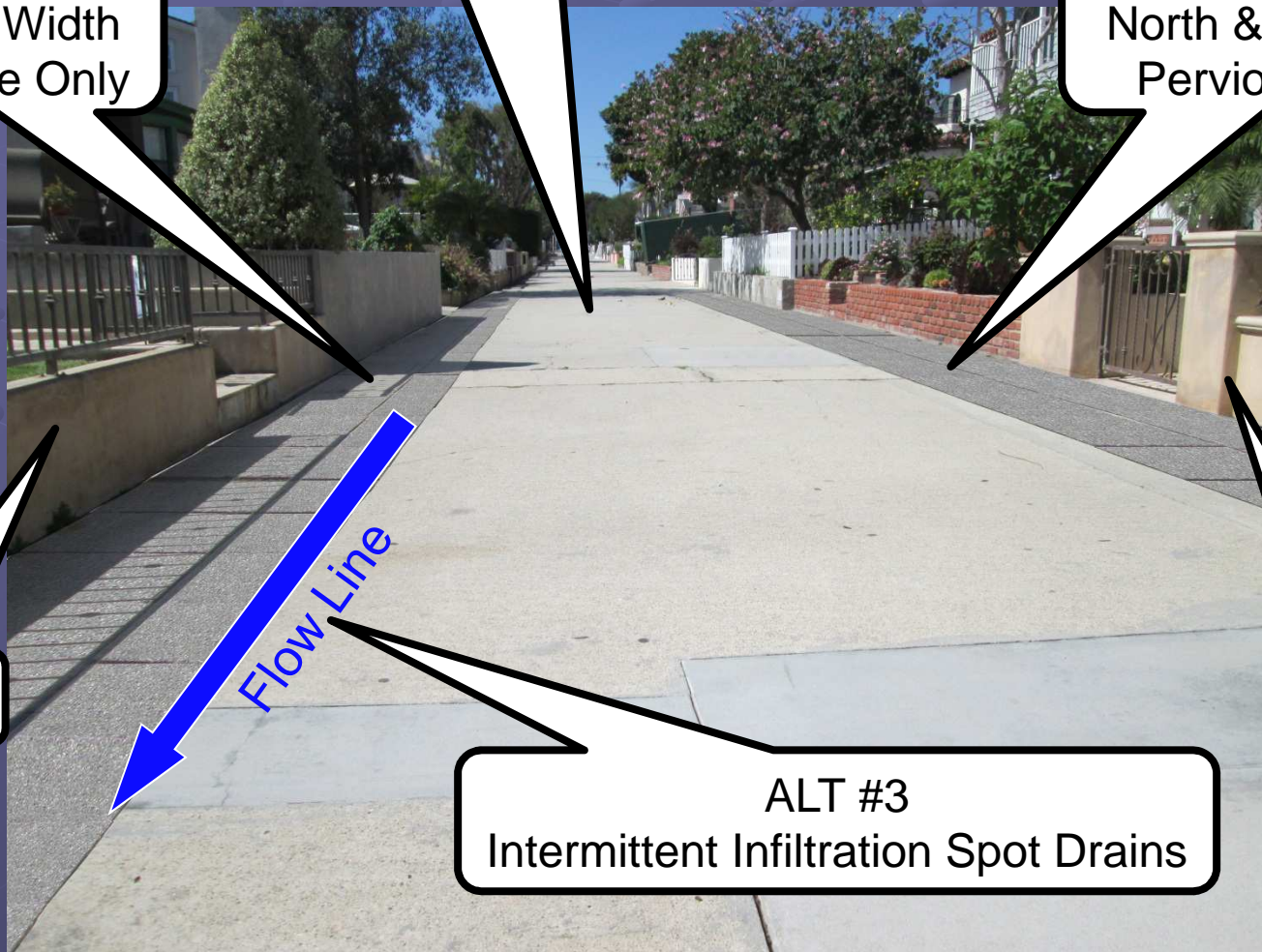
OR; ALT #2
North & South Side
Pervious Pavers

South Side

Flow Line

ALT #3
Intermittent Infiltration Spot Drains

North Side





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