



# Distributed Drywell Installation Project

Community Meeting

June 29, 2023

Presented By:

Department of Public Works

# Distributed Drywell Installation Project

## MEETING AGENDA

Project Location

Project Scope and Background

Drywell Details

Bioretention Details

Project Impacts and Mitigation

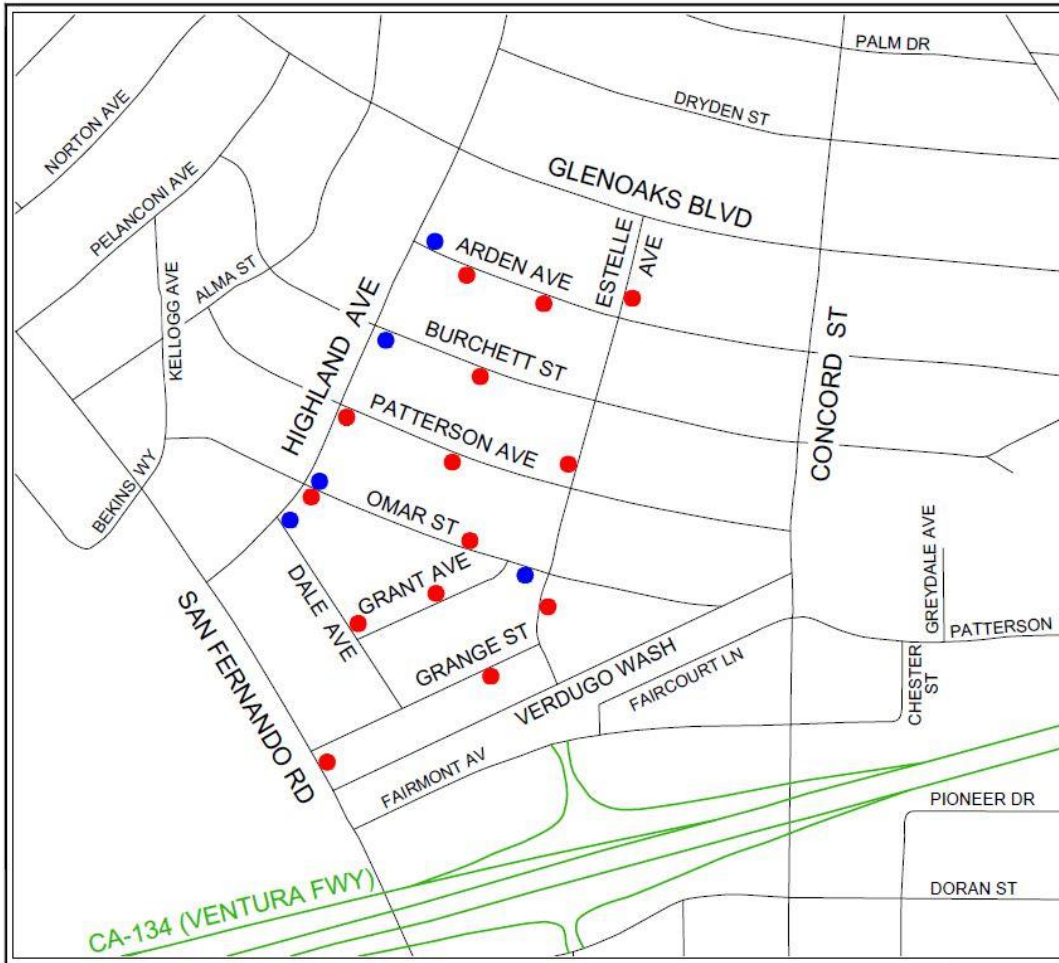
Public Notification for Construction

Construction Schedule

Questions / Comments



# Project Location



NOT TO SCALE

## LEGEND:

- DRYWELL LOCATION
- BIORETENTION LOCATION
- FREEWAY





# Project Scope

- Installation of 14 drywells; and
- Installation of 5 bioretention locations with approximately 400 square feet area.



Bioretention Installation at Riverside Drive and Chavez Street (2018)



Drywell Installation on Broadway (2022)

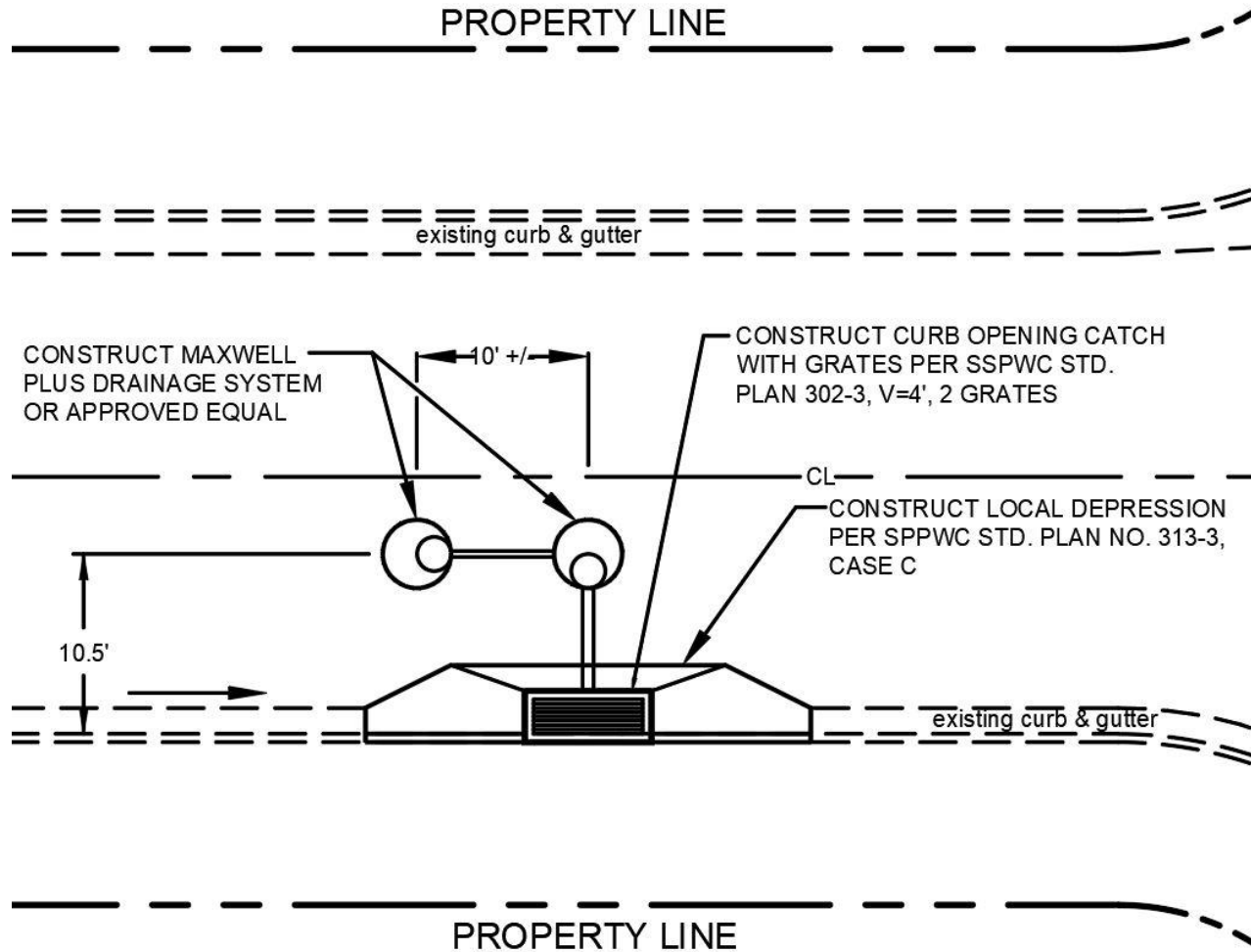


# Project Background

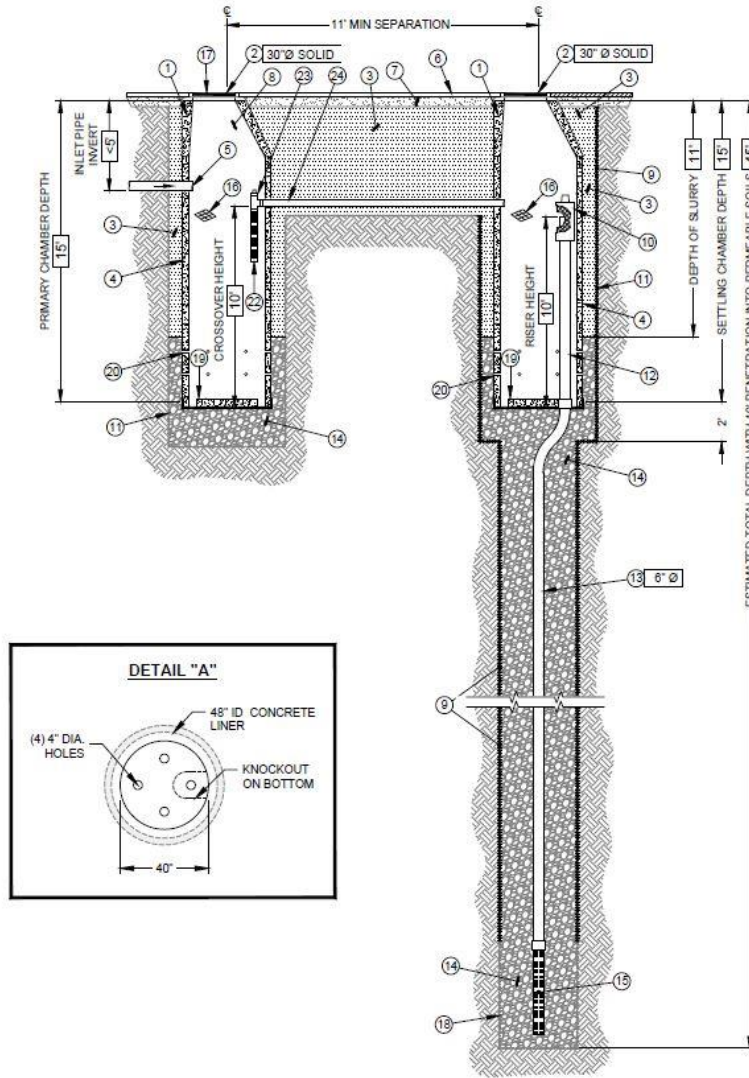
- ✓ Received Safe Clean Water Act (Measure W Funding) to recharge underground aquifers
- ✓ Project will capture and treat stormwater runoff



# Drywell Plan View



# Drywell Cross Section



## ITEM NUMBERS

1. MANHOLE CONE - MODIFIED FLAT BOTTOM.
2. BOLTED RING & GRATECOVER - DIAMETER & TYPE AS SHOWN. CLEAN CAST IRON WITH WORDING "STORM WATER ONLY" IN RAISED LETTERS. BOLTED IN 2 LOCATIONS AND SECURED TO CONE WITH MORTAR. RIM ELEVATION  $\pm 0.02'$  OF PLANS.
3. STABILIZED BACKFILL - TWO-SACK SLURRY MIX.
4. PRE-CAST LINER - 4000 PSI CONCRETE 48" ID. X 54" O.O. CENTER IN HOLE AND ALIGN SECTIONS TO MAXIMIZE BEARING SURFACE.
5. INLET PIPE (BY OTHERS). SEE SEPARATE PLAN FOR INVERT ELEVATIONS.
6. GRADED BASIN OR PAVING (BY OTHERS).
7. COMPACTED BASE MATERIAL, IF REQUIRED (BY OTHERS).
8. FREEBOARD DEPTH VARIES WITH INLET PIPE ELEVATION. INCREASE PRIMARY AND SECONDARY CHAMBER DEPTHS AS NEEDED TO MAINTAIN ALL INLET PIPE ELEVATIONS ABOVE RISER PIPE.
9. NON-WOVEN GEOTEXTILE SLEEVE - MIRAFI 140 NL, MIN. 6 FT  $\phi$ . HELD APPROX. 10 FEET OFF THE BOTTOM OF EXCAVATION.
10. PUREFLO® DEBRIS SHIELD - ROLLED 16 GA. STEEL X 24" LENGTH WITH VENTED ANTI-SIPHON AND INTERNAL 0.265" MAX. S.W.O FLATTENED EXPANDED STEEL SCREEN X 12" LENGTH. FUSION BONDED EPOXY COATED.
11. MIN. 6"  $\phi$  DRILLED SHAFT.
12. RISER PIPE - SCH. 40 PVC MATED TO DRAINAGE PIPE AT BASE SEAL.
13. DRAINAGE PIPE - ADS HIGHWAY GRADE OR SCH. 40 PVC WITH TRI-A COUPLER. SUSPEND PIPE DURING BACKFILL OPERATIONS. DIAMETER AS NOTED.
14. ROCK - WASHED, SIZED BETWEEN 3/8" AND 1-1/2".
15. FLOFAST® DRAINAGE SCREEN - SCH. 40 PVC 0.120" SLOTTED WELL SCREEN WITH 32 SLOTS PER ROW/FT. OVERALL LENGTH VARIES. UP TO 120" WITH TRI-B COUPLER.
16. ABSORBENT - HYDROPHOBIC PETROCHEMICAL SPONGE. MIN. 128 OZ. CAPACITY. TYPICAL. 2 PER CHAMBER.
17. FABRIC SEAL - U.V. RESISTANT GEOTEXTILE - TO BE REMOVED BY CUSTOMER AT PROJECT COMPLETION. GRATED ONLY.
18. MIN. 4"  $\phi$  DRILLED SHAFT.
19. PERFORATED PRECAST CONCRETE BOTTOM SECTION WITH GEOTEXTILE LINER. REFER TO DETAIL "A".
20. 6 PERFORATIONS MINIMUM PER FOOT, 2 ROWS MINIMUM.
21. NOT USED.
22. INTAKE SCREEN - 4"  $\phi$  SCH. 40 PVC 0.120" MODIFIED SLOTTED WELL SCREEN WITH 32 SLOTS PER ROW/ FT. 48" OVERALL LENGTH WITH TRI-C END CAP.
23. VENTED ANTI-SIPHON INTAKE.
24. CONNECTOR PIPE - 4"  $\phi$  SCH. 40 PVC.









# Project Impacts

- Streets may be temporarily closed during construction
- Contractor will notify residents and businesses in advance
- Street parking will be restricted in work areas
- Construction equipment and materials may be stored on the street

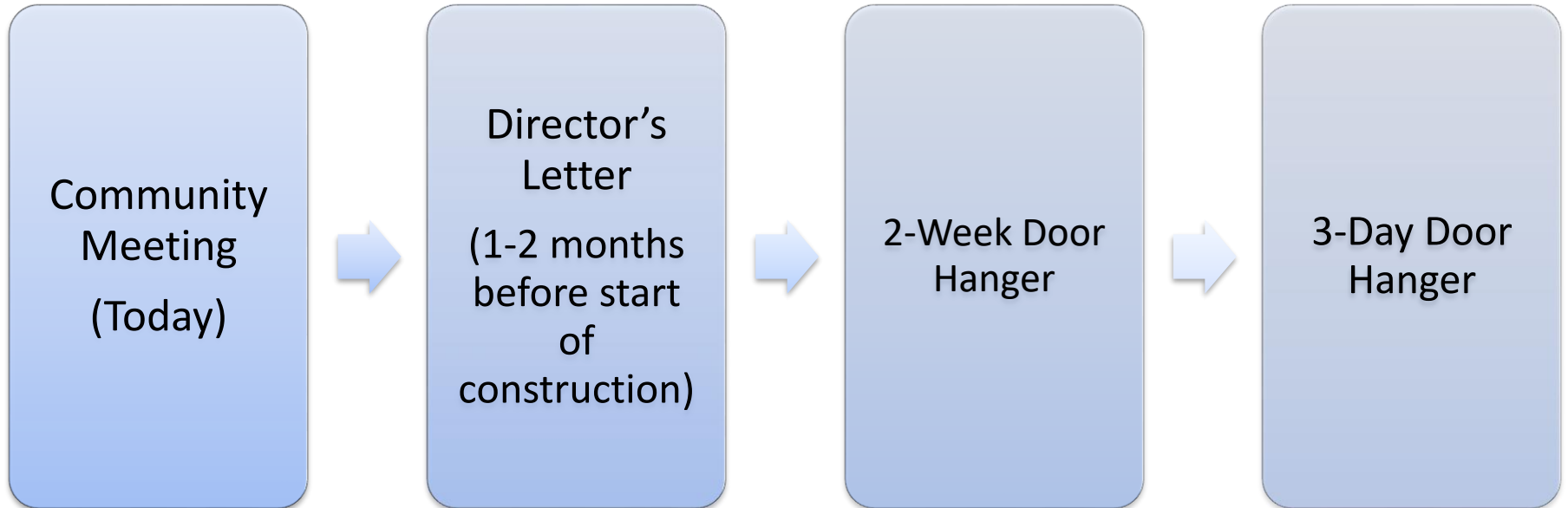


# Project Mitigation

- Road open and parking available during non-working hours
- Provide alternate traffic routes and maintain access to driveways as much as possible
- Street lane closure limited to immediate work zone
- Curb and gutter will be constructed on one side of the street at a time
- Provide flaggers for traffic control where required



# Public Notification



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# Construction Schedule

**ANTICIPATED**

**CONSTRUCTION START DATE:**

***October 2023***

**ANTICIPATED**

**CONSTRUCTION END DATE:**

***December 2023***

*\*barring any unforeseen conditions*





# Questions?



# Contacts

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