62nd Ave NE alternative walkway – Sand Point Elementary

2024 Safe Routes to School Project

Seattle Department of Transportation

Background

Safe Routes to School Program funded improvements (SSTPI)

Project origin

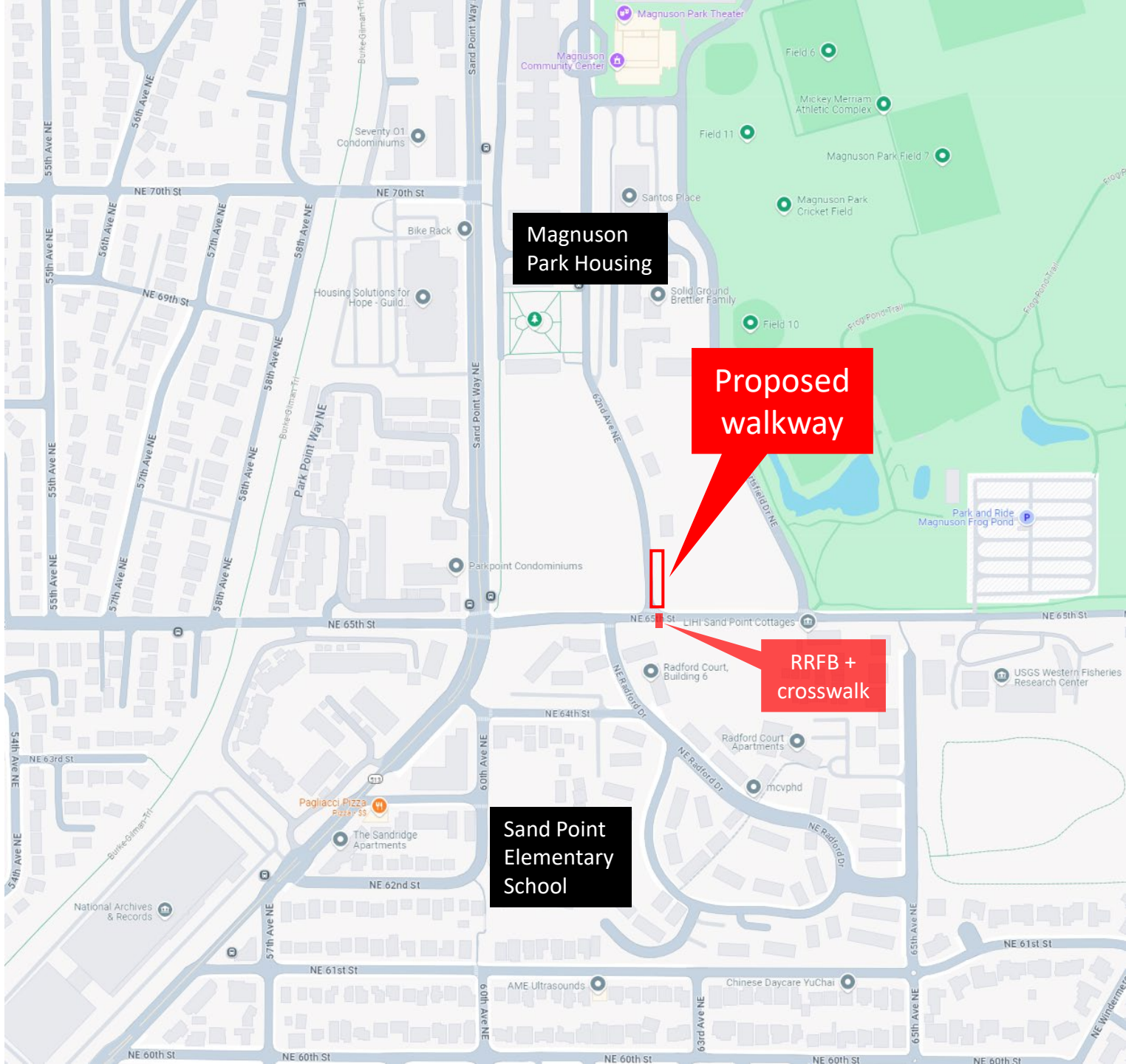
- Safe Route to School at every SPS school
- Conducted outreach at Mercy Magnuson Place and Solid Ground
  - Families and afterschool programs use 62nd Ave NE
  - Established need to improve crossing and create designated walking space
- Alternatives - Walkway along Sand Point Way NE, Sportsfield Drive NE (SPR)
  - Not comfortable routes
  - No power source for pedestrian lighting, not in ROW

Background

Safe Routes to School Program funded improvements

Key Project Components

- 6’ Alternative walkway using existing asphalt and wheel stops
- Connection to a new crossing improvement (Rectangular Rapid Flashing Beacon and Crosswalk)
- Creates a continuous Safe Route to Sand Point Elementary
- Originally a 2024 project

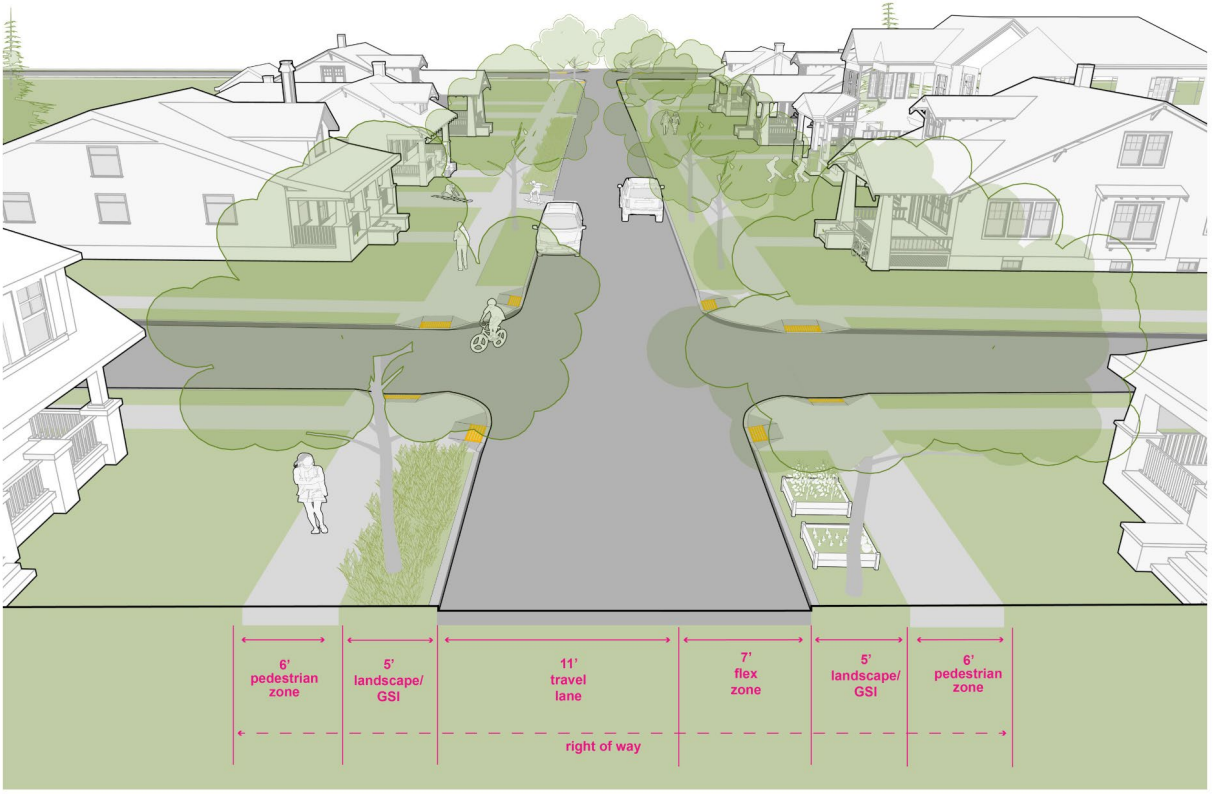


Existing conditions

- **Existing east side sidewalk**
- **No pedestrian facilities**
  - Ecology blocks in parking area
- **RRFB + Crosswalk (2024)**
  - East side crossing

Street character

- Neighborhood Yield Street
- Minor Transit Route (#62)
- 60’ ROW, (min 22’ paved)
- Steep grade on west side



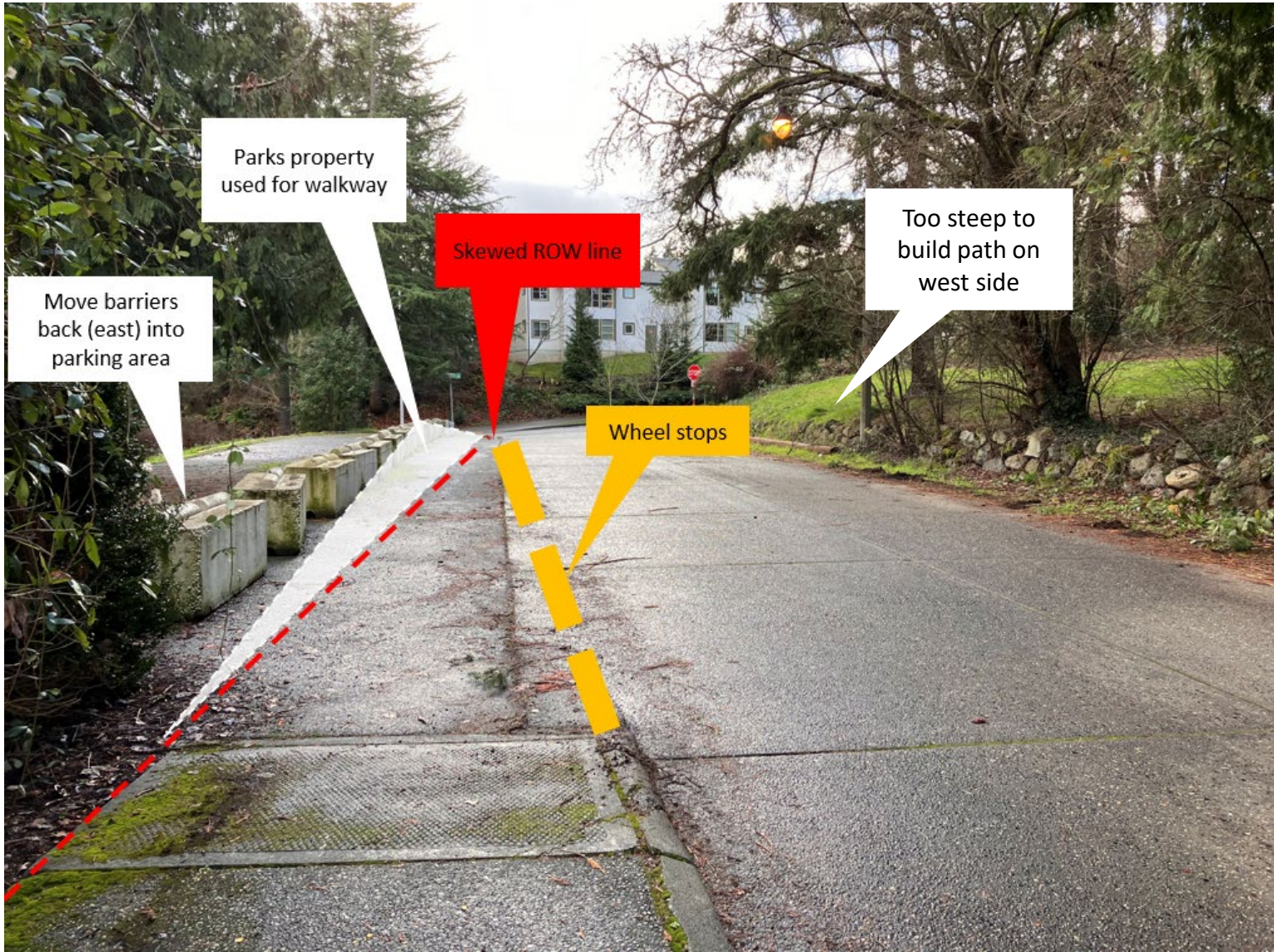
Proposal

- Utilize existing asphalt
- Shift ecology blocks east
- Alternative walkway with wheel stops
- Tie in to existing sidewalk and new corner

Standard crosswalk signage with RRFB and marked crossing

Corner will be rebuilt with ADA curb ramps (as shown)

Crosswalk striping will be standard white, matching recent improvements near Mercy Magnuson.

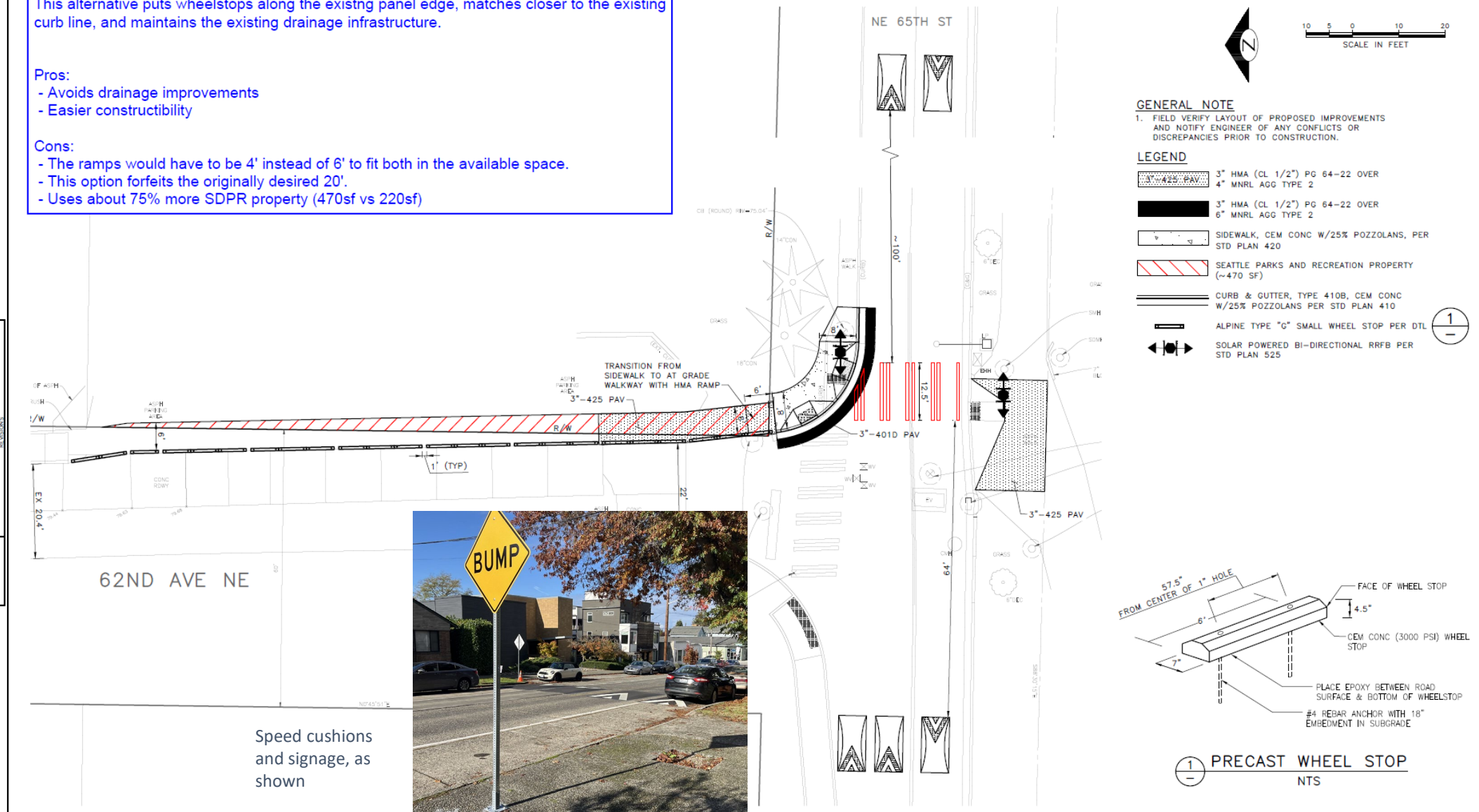


Design plan

This alternative puts wheelstops along the existng panel edge, matches closer to the existing curb line, and maintains the existing drainage infrastructure.

Pros:
- Avoids drainage improvements
- Easier constructibility

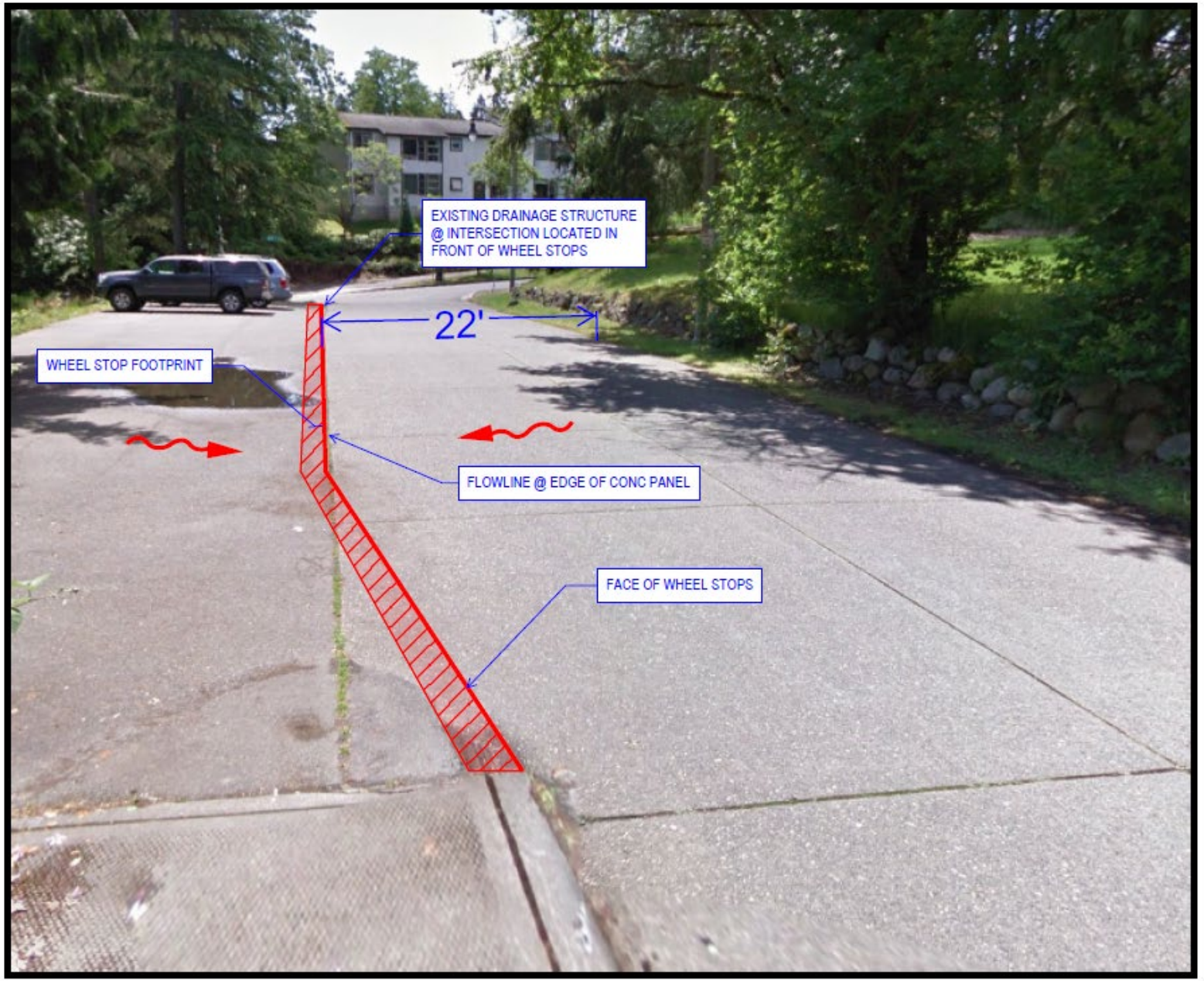
Cons:
- The ramps would have to be 4' instead of 6' to fit both in the available space.
- This option forfeits the originally desired 20'.
- Uses about 75% more SDPR property (470sf vs 220sf)



Speed cushions and signage, as shown

Design concept

- Uses ~470 sq ft of SPR Property
- Walkway will be a consistent grade
- Avoids drainage issues
- Roadway is maintained at 22’

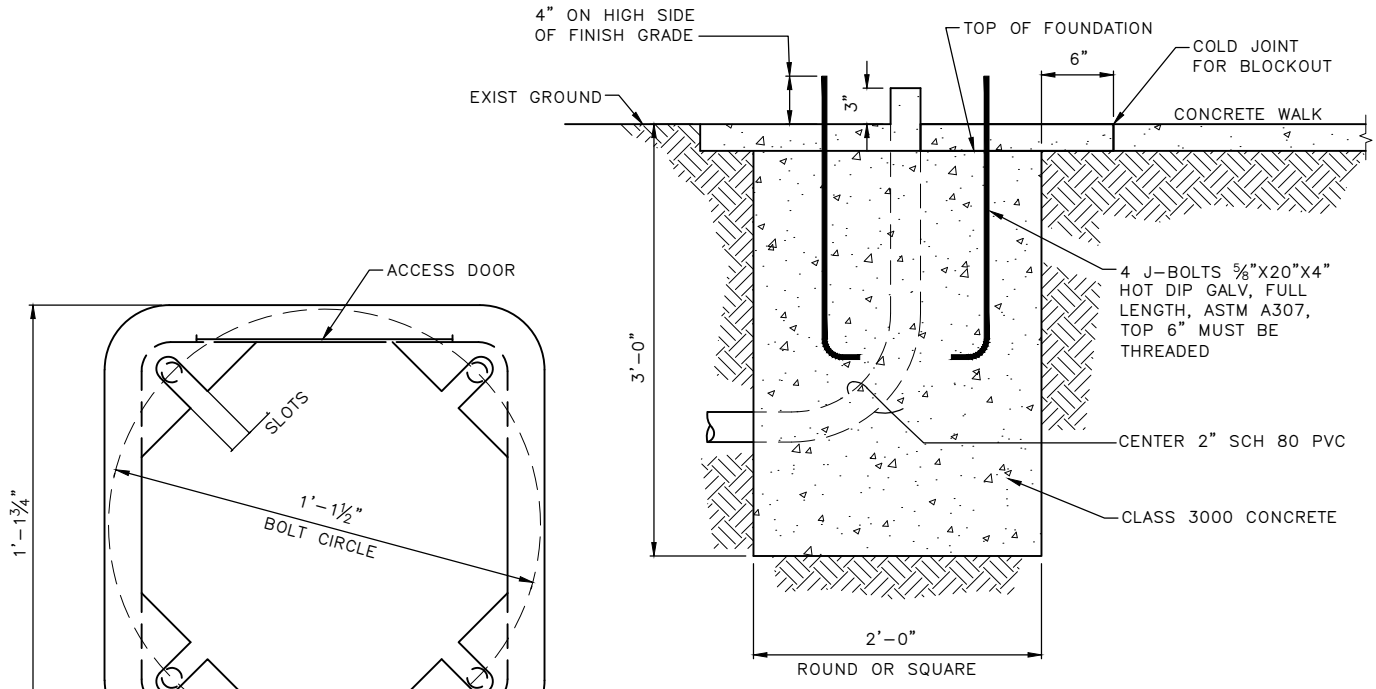


MAINTAIN FLOWLINE ALTERNATIVE

SDOT/SPR agreement

- Received proview design review approval (Sept 2024)
- SPR Revocable use permit
- SDOT will maintain walkway
- Acknowledgement of potential for walkway removal in the future, at SDOT's expense
- **Wheel stops will be the same concrete as shown**
- **The project will not repave the existing asphalt, but will patch and repair degraded asphalt, similar to shown.**

REV DATE: JAN 2020

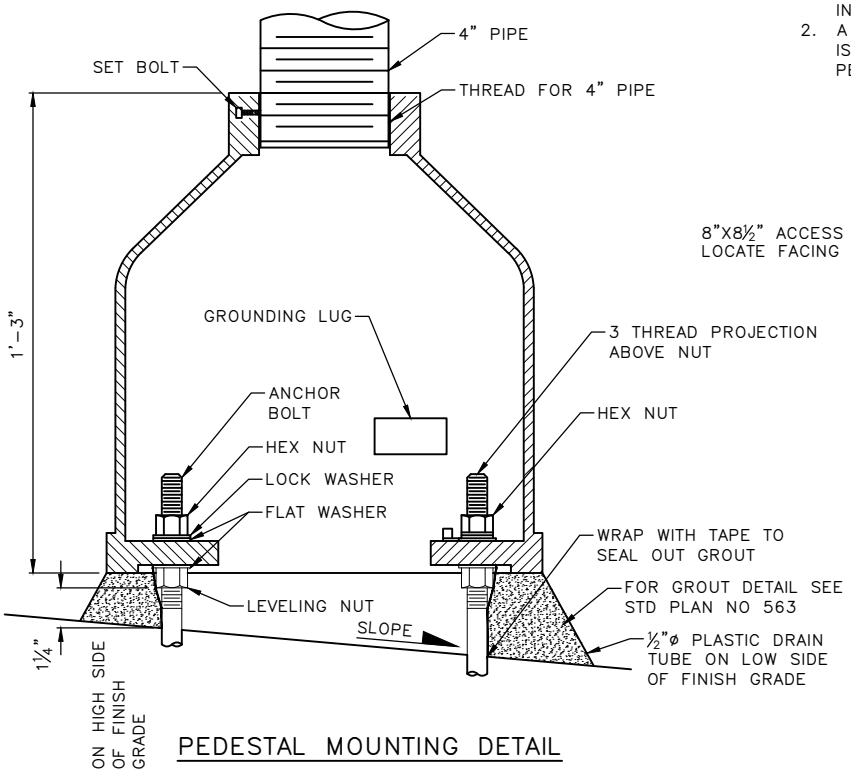


PEDESTAL FOUNDATION

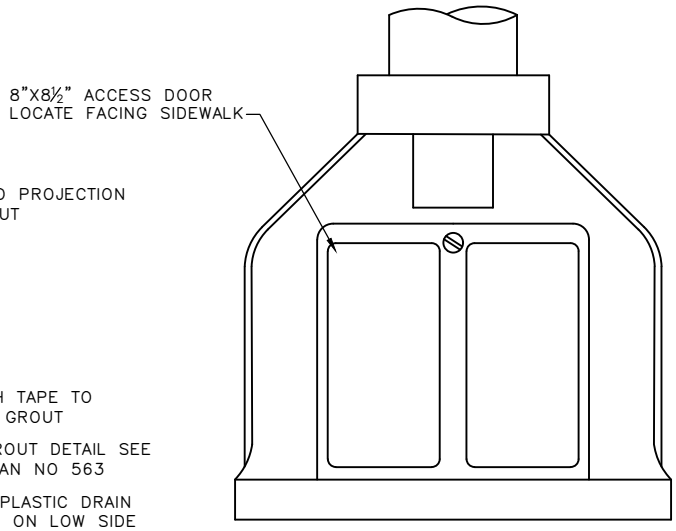
BOTTOM VIEW

NOTES:

1. 3'-0" MIN CLEARANCE IS REQUIRED IN FRONT OF ACCESS DOOR.
2. A POLE AND BASE COLLAR ASSEMBLY IS REQUIRED FOR ALUMINUM PEDESTAL SHAFTS TALLER THAN 10'.



PEDESTAL MOUNTING DETAIL

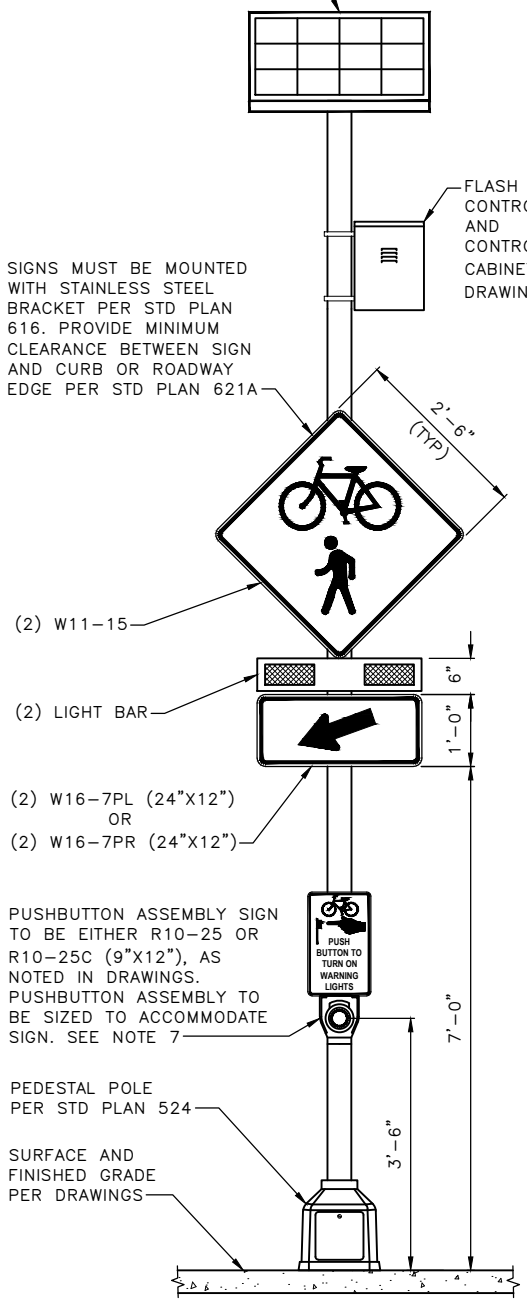


SQUARE BASE PEDESTAL

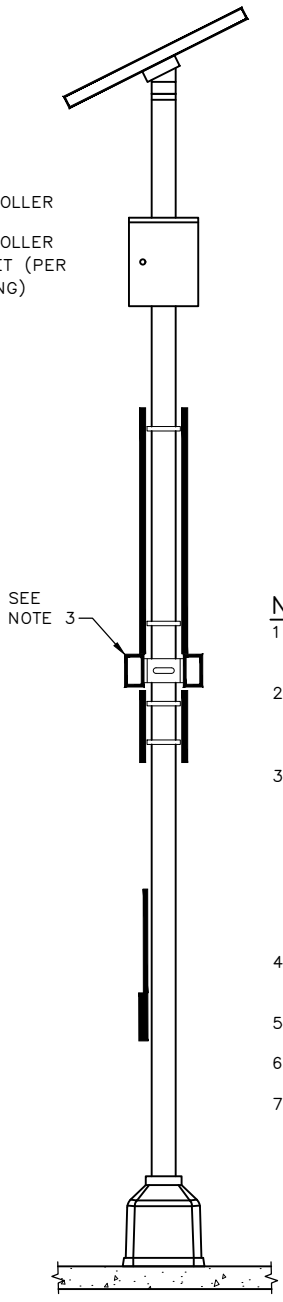
REF STD SPEC SEC 8-32

City of Seattle	NOT TO SCALE	PEDESTAL & FOUNDATION

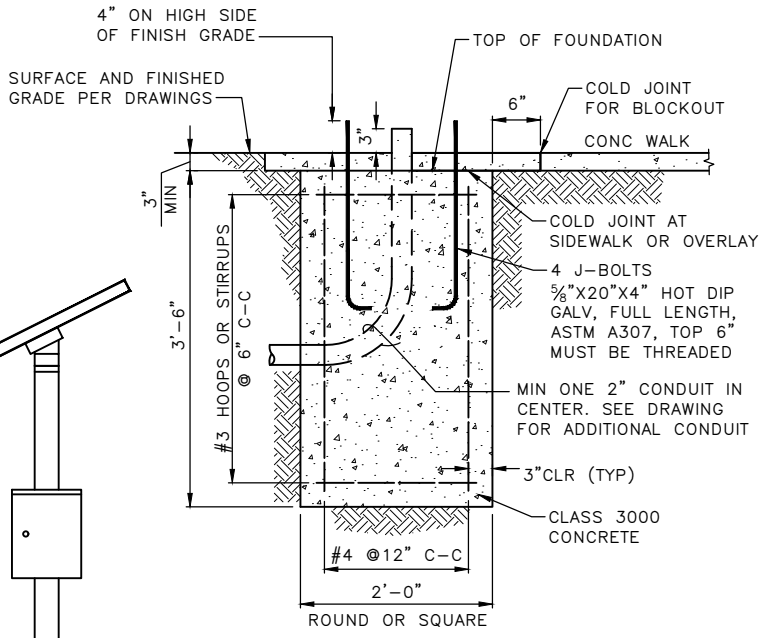
REV DATE: JAN 2020



RECTANGULAR RAPID FLASHING BEACON



SIDE VIEW



RRFB FOUNDATION

NOTES:

1. RECTANGULAR RAPID FLASHING BEACON MUST BE HARDWIRED TO A SERVICE CABINET UNLESS OTHERWISE NOTED IN THE DRAWINGS.
2. RECTANGULAR RAPID FLASHING BEACON MUST HAVE SIGNS AND LIGHT BAR ON BOTH SIDES OF PEDESTAL, AND BE ORIENTED TO FACE ONCOMING VEHICULAR TRAFFIC UNLESS NOTED OTHERWISE IN DRAWINGS.
3. (1) PEDESTRIAN LED INDICATION, 1/2" (MIN) WIDE X 1-3/4" (MIN) HIGH, MUST BE PROVIDED MOUNTED ON SIDE OF THE LIGHT BAR. PEDESTRIAN LED INDICATION MUST BE DIRECTED TOWARD CROSSWALK AND BE VISIBLE TO PEDESTRIANS IN THE CROSSWALK. WHERE RAPID FLASHING BEACON IS LOCATED IN A MEDIAN, OR SERVES MULTIPLE DIRECTIONS OF PEDESTRIAN TRAVEL, PEDESTRIAN LED INDICATION MUST BE PROVIDED ON BOTH SIDES OF LIGHT BAR.
4. IF A SOLAR PANEL IS INCLUDED ON THE POLE, USING THE STANDARD FOUNDATION SHOWN, THEN MOUNTING HEIGHT OF SOLAR PANEL MUST BE NO MORE THAN 17'-6".
5. FOUNDATION SOILS MUST BE FREE OF LANDFILL OR OTHER SETTLEMENT-PRONE MATERIAL AND GROUNDWATER.
6. ALL REINFORCING BARS MUST BE DEFORMED BILLET STEEL CONFORMING TO ASTM CLASS A706, GRADE 60.
7. PUSHBUTTON TO BE SUPPLIED WITH RECTANGULAR RAPID FLASHING BEACON.

REF STD SPEC SEC

City of Seattle	NOT TO SCALE	RECTANGULAR RAPID FLASHING BEACON