



Providence Bicycle and Pedestrian Advisory Commission

Jorge O. Elorza, Mayor

Staff Report: Gano Street Off-ramp Conceptual Review – Fox Point – Ward 1 (For Action)

Presented at June 24, 2020 BPAC meeting



Project Background

The City of Providence Department of Planning and Development seeks comments from the BPAC regarding plans developed by RIDOT for changes to the I-195 off-ramp onto Gano Street at Trenton Street. This project is included in RIDOT's plans for the I-195 "Washington Bridge" and bisects the Gano Gateway bike path connector completed in 2019.

Description of Plans

- Add an on-ramp to I-195 westbound to the existing off-ramp at Trenton Street
- Widen the existing ramp opposite Trenton Street by two vehicular travel lanes for the on-ramp
- Increase the corner radii on either side of the on-/off-ramp
- Removal of the crosswalk across the ramp opening, requiring pedestrians and bike path users to cross Gano Street, Trenton Street, and then back across Gano Street to connect the two path segments.

Staff recommendations

- Consider alternatives to changing this ramp.
- If no alternatives are possible for location of the ramp, consider re-routing the path underneath the ramp on the river side to connect with the path on the north side of the ramp where it curves to the north (see below: green is current alignment and yellow is potential re-routing)

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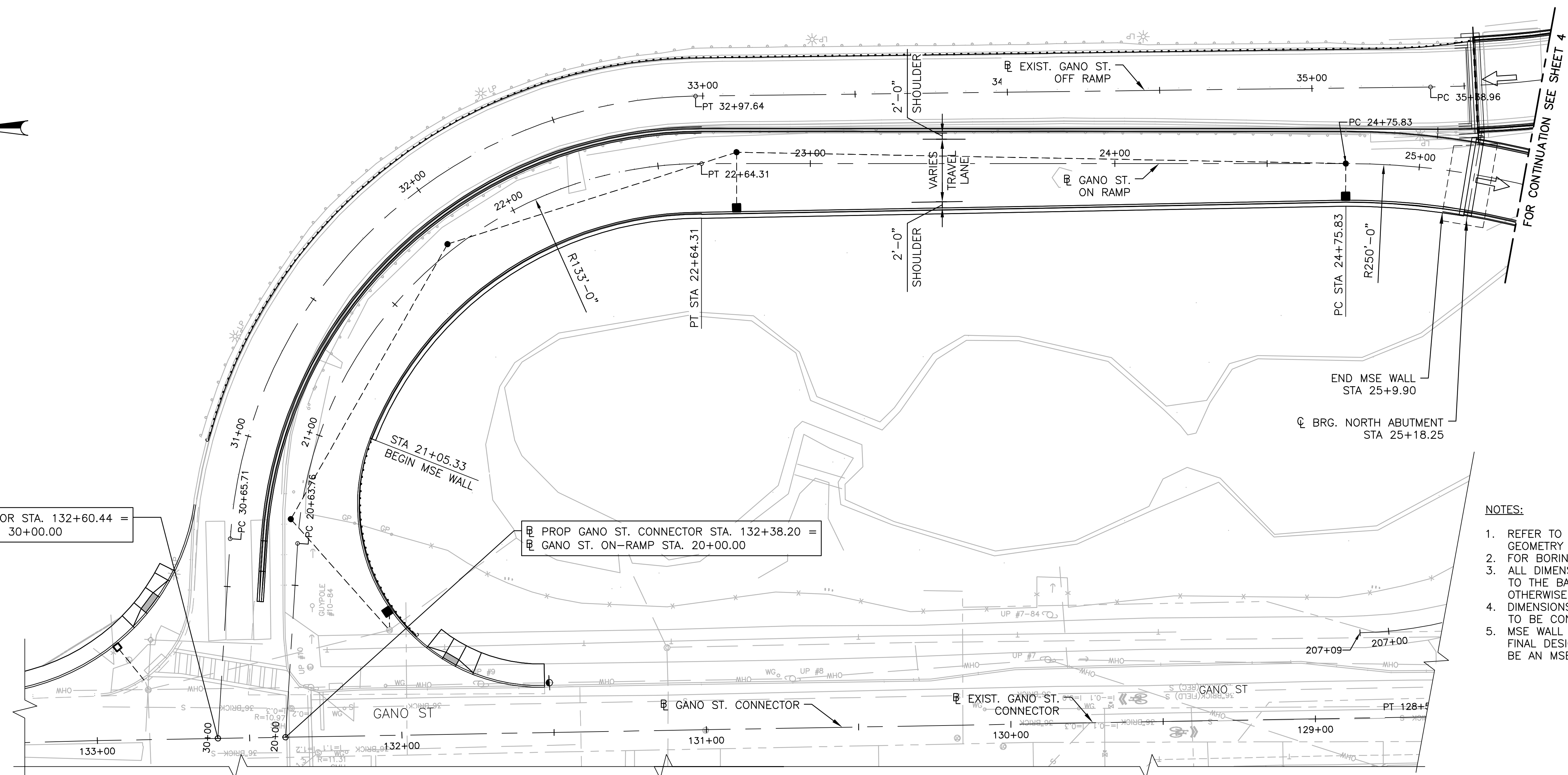
- If the above to recommendations are not possible, incorporate the following changes to ensure non-automotive comfort at the mouth of the ramp:
 - Replace the crosswalk across the mouth of the ramp
 - Significant reduction in corner radii on both sides of the ramp (NACTO recommends a maximum 15 ft corner radius while the draft Great Streets Implementation Guide sets a threshold of 20 ft corner radius for special treatments)
 - Use no-turn-on-red arrows in the traffic signals as well as mast-arm mounted no-turn-on-red signage to restrict conflicts of turning vehicles during walk signals
 - Incorporate a bike signal in parallel to the walk signal
 - Add a curbed refuge island between the two directions of ramp traffic that is 12 feet wide at minimum (6 ft for a bike and 3 ft shy distance to traffic on either side)
 - Take additional steps such as raised crosswalks, benches, and landscaping on either side of the ramp and the refuge island if possible to create a pedestrian and path environment that feels welcome and not an afterthought.
- In any scenario where the ramp remains in the proposed location, either avoid placing bridge footings overlapping with the shared-use path or provide plans for re-routing the path around bridge footings.

Respectfully submitted by Alex Ellis.



▣ PROP GANO ST. CONNECTOR STA. 132+60.44 =
 ▣ GANO ST. OFF-RAMP STA. 30+00.00

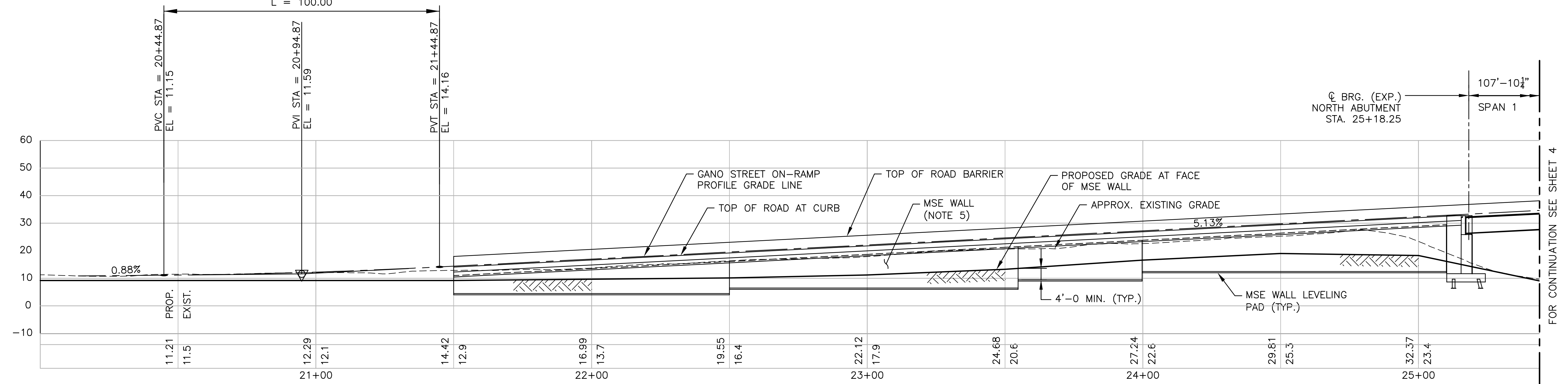
▣ PROP GANO ST. CONNECTOR STA. 132+38.20 =
 ▣ GANO ST. ON-RAMP STA. 20+00.00



GENERAL PLAN
SCALE: 1"=20'-0"

- NOTES:
- REFER TO HIGHWAY LOCATION PLANS FOR COMPLETE GEOMETRY AND CURVE DATA.
 - FOR BORING LOCATIONS, REFER TO FOUNDATION PLANS.
 - ALL DIMENSIONS AND ELEVATIONS ARE IN REFERENCE TO THE BASELINE OF THE PROPOSED RAMP UNLESS OTHERWISE NOTED.
 - DIMENSIONS SHOWN ARE SCHEMATIC. FINAL DIMENSIONS TO BE CONFIRMED BY THE DESIGN BUILD TEAM.
 - MSE WALL SHOWN, DESIGN BUILD TEAM TO PROVIDE FINAL DESIGN OF RETAINING WALL SYSTEM, WHICH MAY BE AN MSE WALL OR OTHER RETAINING WALL SYSTEM.

AD = 0.04
 K = 23.52
 L = 100.00



ELEVATION
SCALE: 1"=20'-0"

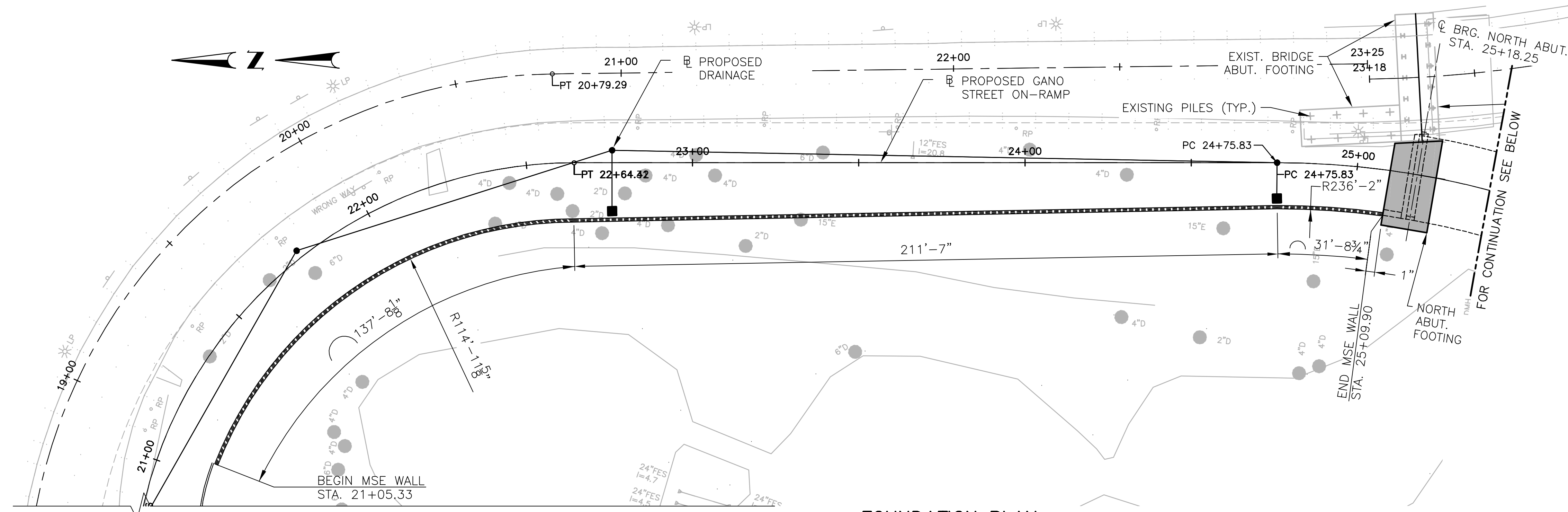


RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY: SJM
 CHECKED BY: XXX
 DATE: APRIL 2020
 SHEET: 3
 OF: 12

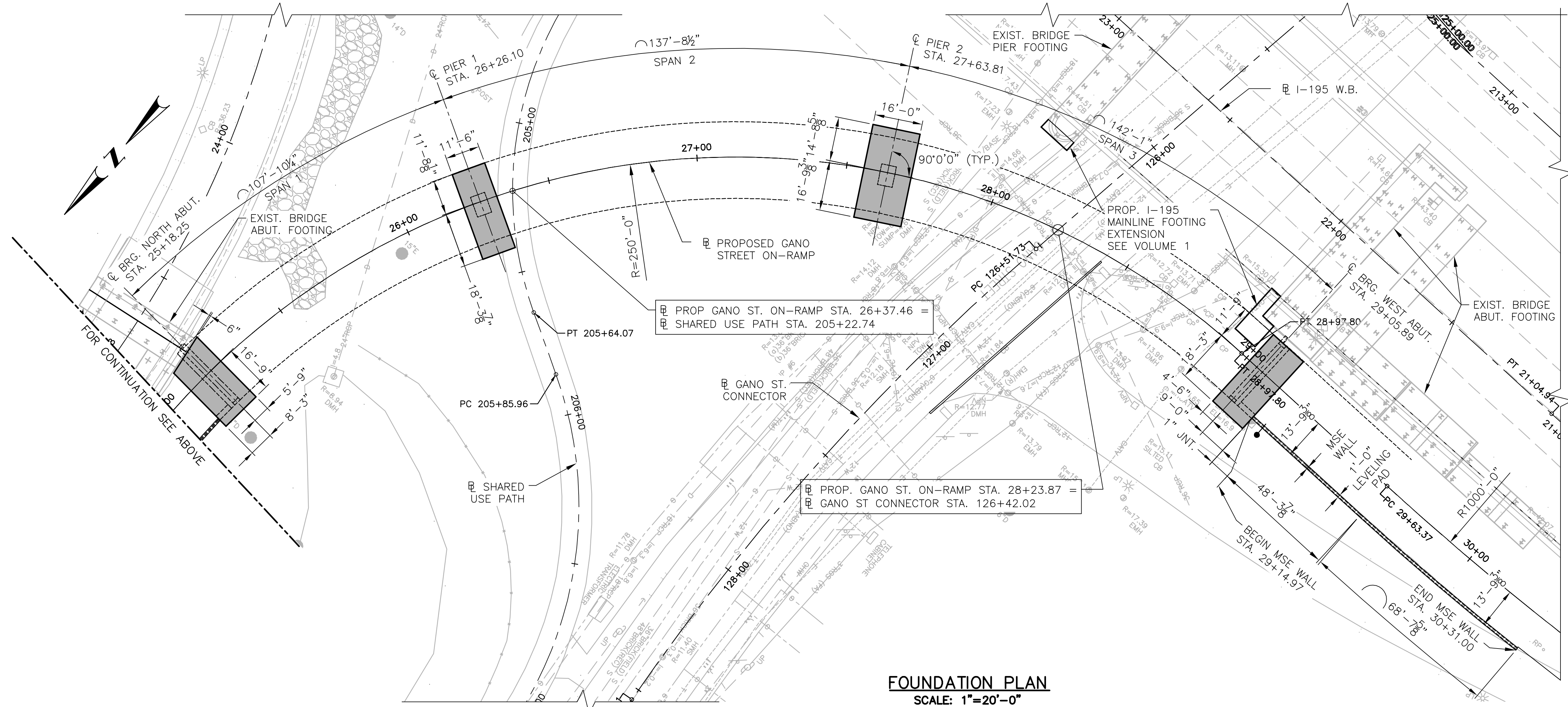
REVISIONS				REVISIONS			
NO.	DATE	BY		NO.	DATE	BY	

I-195 WASHINGTON NORTH PHASE 2
 GANO STREET ON-RAMP BRIDGE NO. 1266
 PROV. / EAST PROV. CONTRACT: -- VOLUME: 2 RHODE ISLAND
RETAINING WALL PLAN AND ELEVATION



FOUNDATION PLAN
SCALE: 1"=20'-0"

- NOTES:**
1. ALL FOUNDATIONS OF EXISTING STRUCTURES ARE SHOWN PICTORIALLY ONLY. DESIGN BUILD TEAM TO VERIFY ALL LOCATIONS OF EXISTING STRUCTURES AND FOUNDATIONS PRIOR TO COMMENCING CONSTRUCTION.
 2. FOUNDATION PLANS SHOW KNOWN UTILITIES. DESIGN BUILD TEAM TO VERIFY ALL UTILITIES PRIOR TO COMMENCING CONSTRUCTION. CONTRACTOR TO PROTECT IN PLACE ALL UTILITIES. ANY DAMAGE TO THE UTILITIES SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER AT NO COST TO THE STATE.
 3. DESIGN BUILD TEAM TO RESTORE SHARED USE PATH AND ASSOCIATED FEATURES FOLLOWING THE COMPLETION OF CONSTRUCTION.
 4. DESIGN BUILD TEAM TO PERFORM GEOTECHNICAL ANALYSIS TO DESIGN DEEP FOUNDATION SYSTEMS.



FOUNDATION PLAN
SCALE: 1"=20'-0"



RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY: SJM
CHECKED BY: XXX
DATE: APRIL 2020
SHEET: 7
OF: 12

SCALE: 1"=40'

REVISIONS			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY

I-195 WASHINGTON NORTH PHASE 2
GANO STREET ON-RAMP BRIDGE NO. 1266
PROV. / EAST PROV. CONTRACT: -- VOLUME: 2 RHODE ISLAND

FOUNDATION PLANS