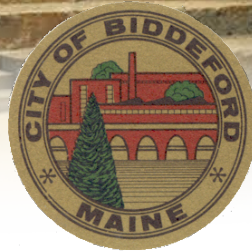


City of Biddeford
City Council - Workshop
August 14, 2018 6:00 PM Council Chambers

1. Workshop Discussion Items

- 1.1. RiverWalk Update
 - [20180814 RiverWalk Council Presentation v3.pdf](#)
 - [RiverWalk Full Overview Version 1.pdf](#)
 - [RiverWalk Overview to 3 Lincoln.pdf](#)
 - [RiverWalk Design Detail - Plans.pdf](#)
- 1.2. Downtown Parking Management Plan (upload pending)



Biddeford Riverwalk Update

Presented by:

Stephanie Hubbard, PE

Jonathan Edgerton, PE

Presentation Overview

- 
- A scenic view of a river with a small waterfall cascading over rocks. In the background, a large, multi-story red brick building with many windows is visible. A paved walkway with a black metal railing runs along the riverbank in the foreground.
- ✓ Biddeford Riverwalk Background
 - ✓ Updates on Preliminary Design
 - ✓ Review of Proposed 2019 Construction Areas

*The goal of the **Biddeford Riverwalk** is to provide pedestrian and recreational connection and spaces, establish access to the scenic Saco River, support redevelopment of the Biddeford Mill District and vibrancy of Downtown*

- 2013 – Biddeford Riverwalk Master Plan developed
- 2014 – Gateway/Overlook Plaza (Riverwalk Phase 1) Constructed
- 2015 – Mill District Pedestrian Bridge Constructed
- 2015 – Pedestrian Bridge Connection (Riverwalk Phase 2) Constructed
- 2016 – Laconia Plaza and Mill District Utility Tunnel Constructed
- 2016 – Riverwalk Master Plan Updated
- 2017/2018 – Preliminary Design of Future Phases Completed

Success of Biddeford Riverwalk

Gateway Plaza (Phase I)

Laconia Plaza



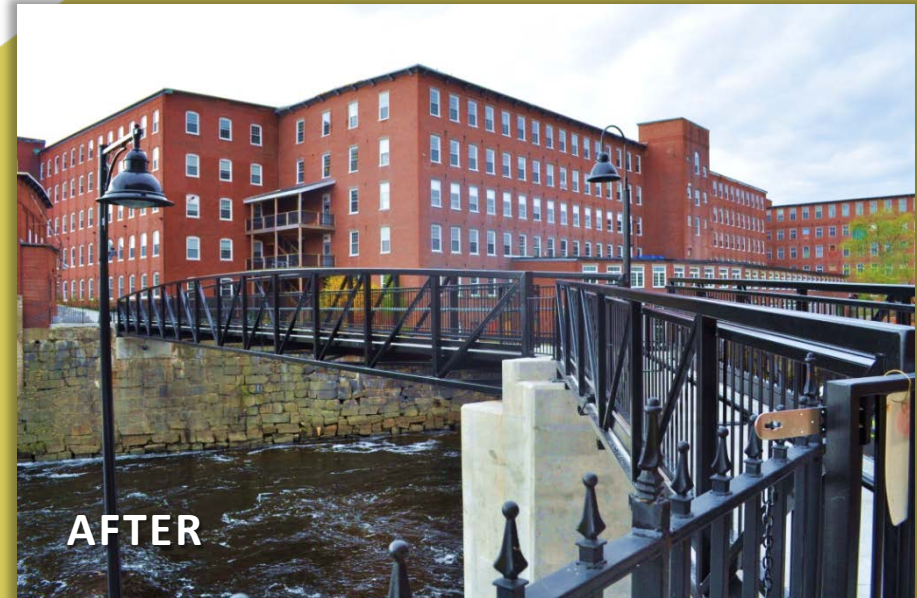
Success of the Biddeford Riverwalk



***Pedestrian
Connector***



Mill District Pedestrian Bridge



- City staff meetings
- Existing condition survey of future Riverwalk areas
- Review of pedestrian connectivity (existing and proposed)
- Development of preliminary design plans and details
- Mill District Development
- Individual stakeholder meetings



Key Considerations

- Riverwalk continuity
- Pedestrian Accessibility to key locations
 - Main Street, Elm Street, Future Parking Garage, Mill District POI
- Future space planning
- Long-term maintenance
- Lighting, Safety and Security

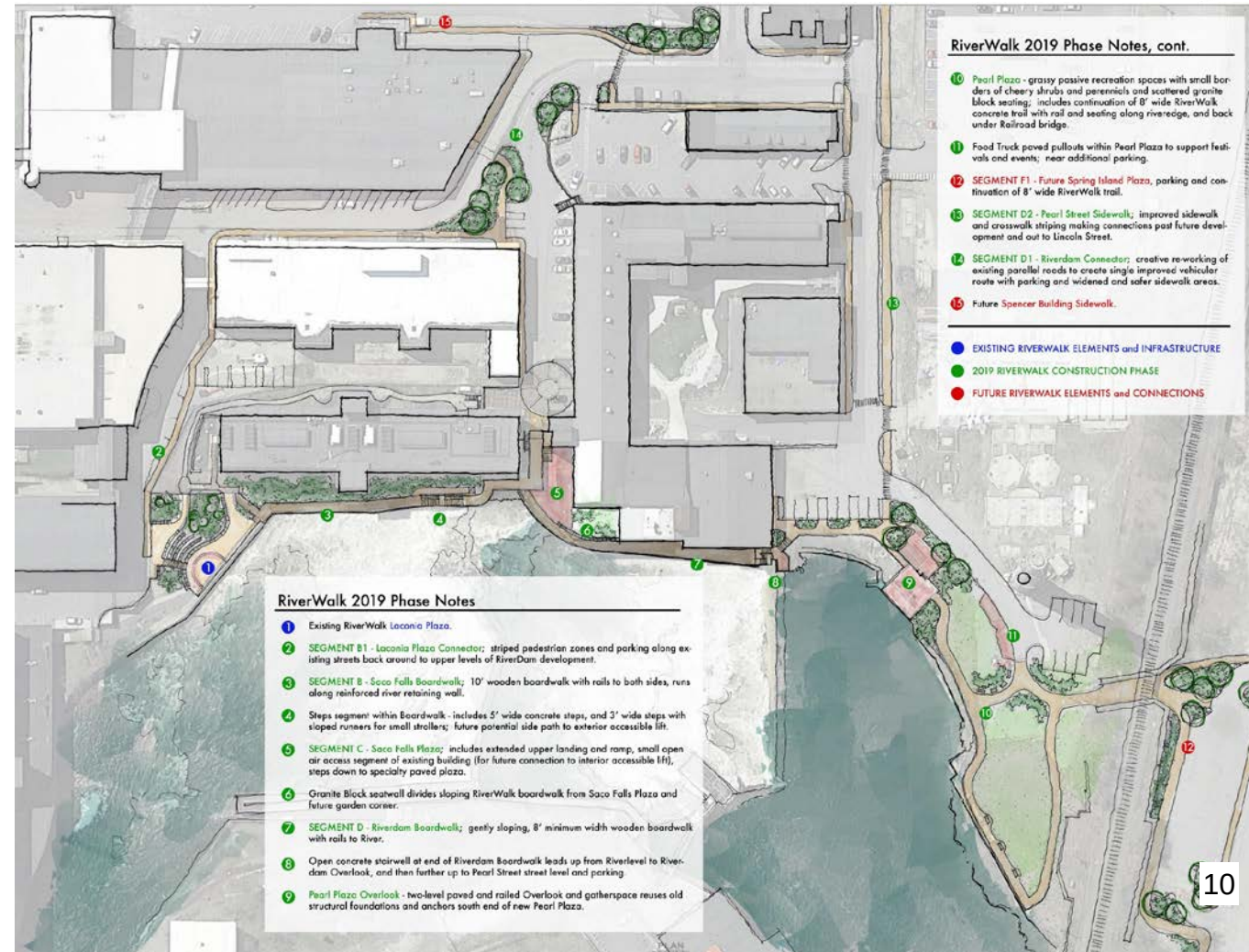
Key Technical Challenges

- Elevation/grade transitions
- Accessibility to existing buildings and infrastructure
- ADA accessibility
- Stakeholder needs (parking, access)
- Shared use evaluation
- Adjacent uses
 - residential, commercial, industrial
- Structural requirements
- Land use restrictions



2019 Construction Plan

- Laconia Plaza Switchback (Segment A)
- Saco Falls Boardwalk (Segment B)
- Saco Falls Connector (Segment B.1)
- Falls Plaza (Segment C)
- Riverdam Boardwalk (Segment D)
- Riverdam Connector (Segment D.1)
 - Alternate: Utilize existing sidewalk
- Pearl Plaza Sidewalk (Segment D.2)
- Pearl Plaza (Segment E)
 - Coordinated with 3 Lincoln Street Development



2019 Construction Budget (est.)

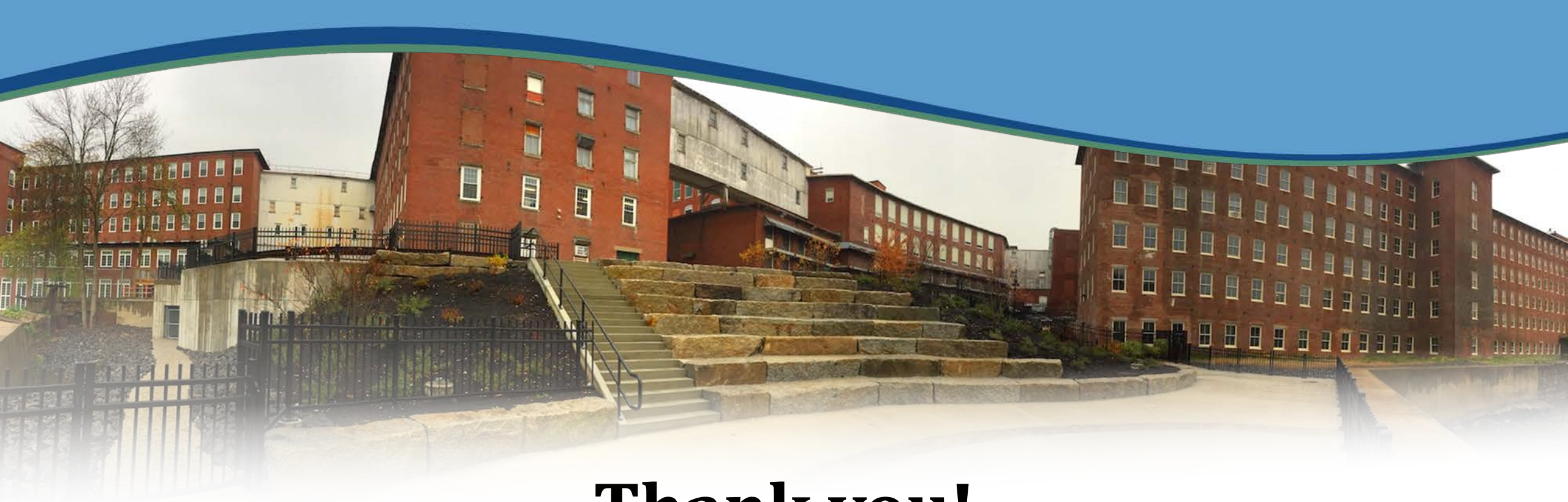


Segment		Budget (est.)
A	Laconia Switchback	(future considerations)
B	Saco Falls Boardwalk	\$534,700
B.1	Saco Falls Plaza	\$348,750
D	Riverdam Boardwalk	\$293,050
D.1	Riverdam Connector	\$324,550
E	Pearl Plaza	\$316,350
D.2	Total costs, including adjustments for contingency and bidding	\$2,518,302

Proposed Schedule



Task	Aug	Sept	Oct	Nov	Dec	Jan	Feb
Biddeford City Council Meeting	★						
Final Design and Specifications (2019 Construction Phase)							
City Staff Review and Easement Coordination							
City Council Approval/Authority to Bid				★			
2019 Construction Permitting							
Final Plans, Specifications and Cost Estimate							
2019 Construction Phase Bidding							
Construction							2019

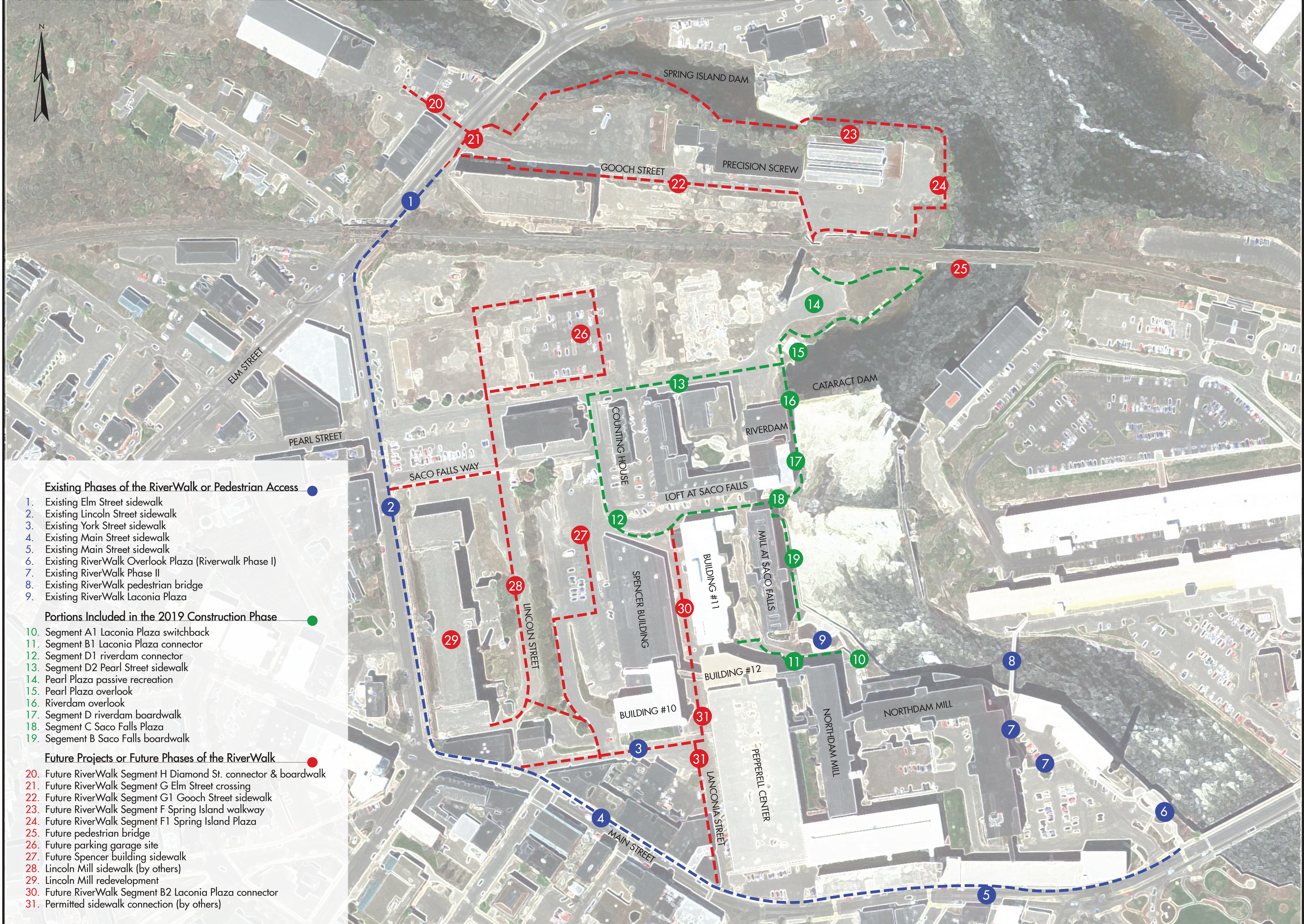


Thank you!

Presented by:

Stephanie Hubbard, PE

Jonathan Edgerton, PE



Existing Phases of the RiverWalk or Pedestrian Access

- 1. Existing Elm Street sidewalk
- 2. Existing Lincoln Street sidewalk
- 3. Existing York Street sidewalk
- 4. Existing Main Street sidewalk
- 5. Existing Main Street sidewalk
- 6. Existing RiverWalk Overlook Plaza (Riverwalk Phase I)
- 7. Existing RiverWalk Phase II
- 8. Existing RiverWalk pedestrian bridge
- 9. Existing RiverWalk Laconia Plaza

Portions Included in the 2019 Construction Phase

- 10. Segment A1 Laconia Plaza switchback
- 11. Segment B1 Laconia Plaza connector
- 12. Segment D1 riverdam connector
- 13. Segment D2 Pearl Street sidewalk
- 14. Pearl Plaza passive recreation
- 15. Pearl Plaza overlook
- 16. Riverdam overlook
- 17. Segment D riverdam boardwalk
- 18. Segment C Saco Falls Plaza
- 19. Segment B Saco Falls boardwalk

Future Projects or Future Phases of the RiverWalk

- 20. Future RiverWalk Segment H Diamond St. connector & boardwalk
- 21. Future RiverWalk Segment G Elm Street crossing
- 22. Future RiverWalk Segment G1 Gooch Street sidewalk
- 23. Future RiverWalk Segment F Spring Island walkway
- 24. Future RiverWalk Segment F1 Spring Island Plaza
- 25. Future pedestrian bridge
- 26. Future parking garage site
- 27. Future Spencer building sidewalk
- 28. Lincoln Mill sidewalk (by others)
- 29. Lincoln Mill redevelopment
- 30. Future RiverWalk Segment B2 Laconia Plaza connector
- 31. Permitted sidewalk connection (by others)

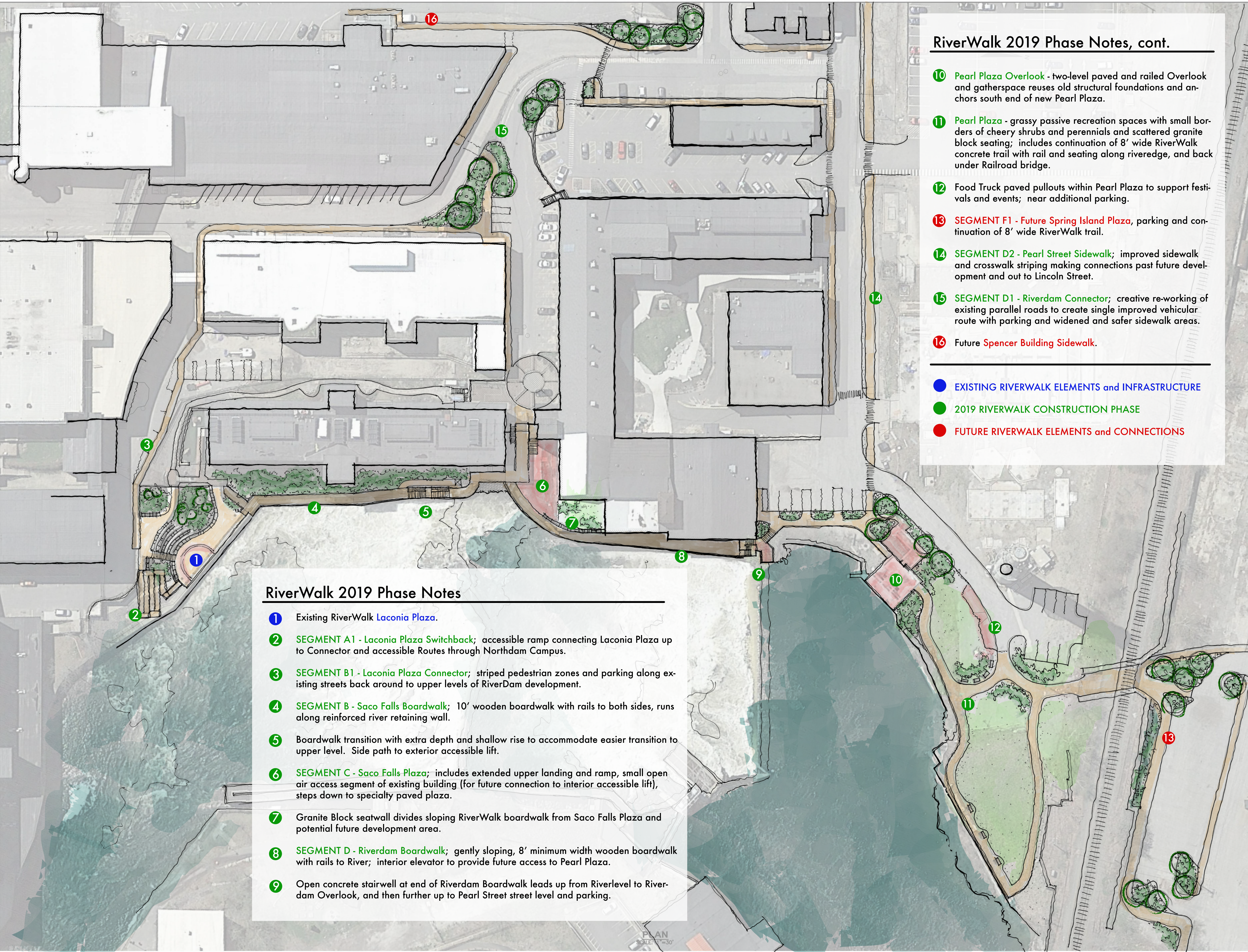
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CITY OF BIDDEFORD
BIDDEFORD RIVERWALK
MASTER PLAN
BIDDEFORD, MAINE

RIVERWALK/PEDESTRIAN CONNECTIVITY OVERVIEW

FIGURE
1



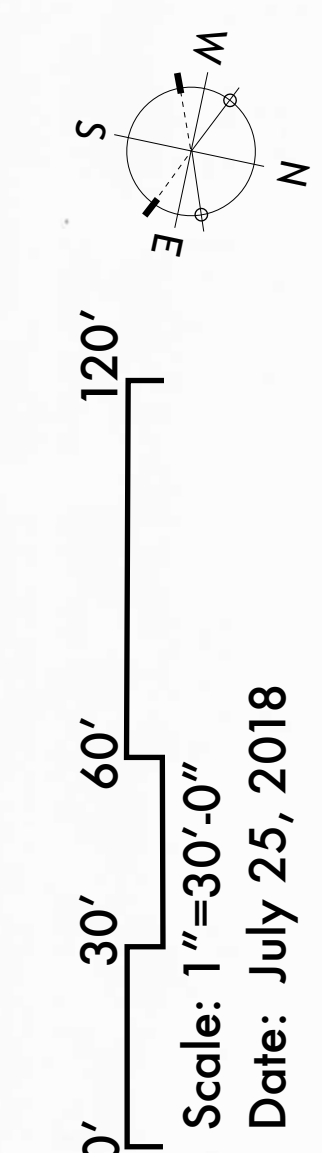
RiverWalk 2019 Phase Notes

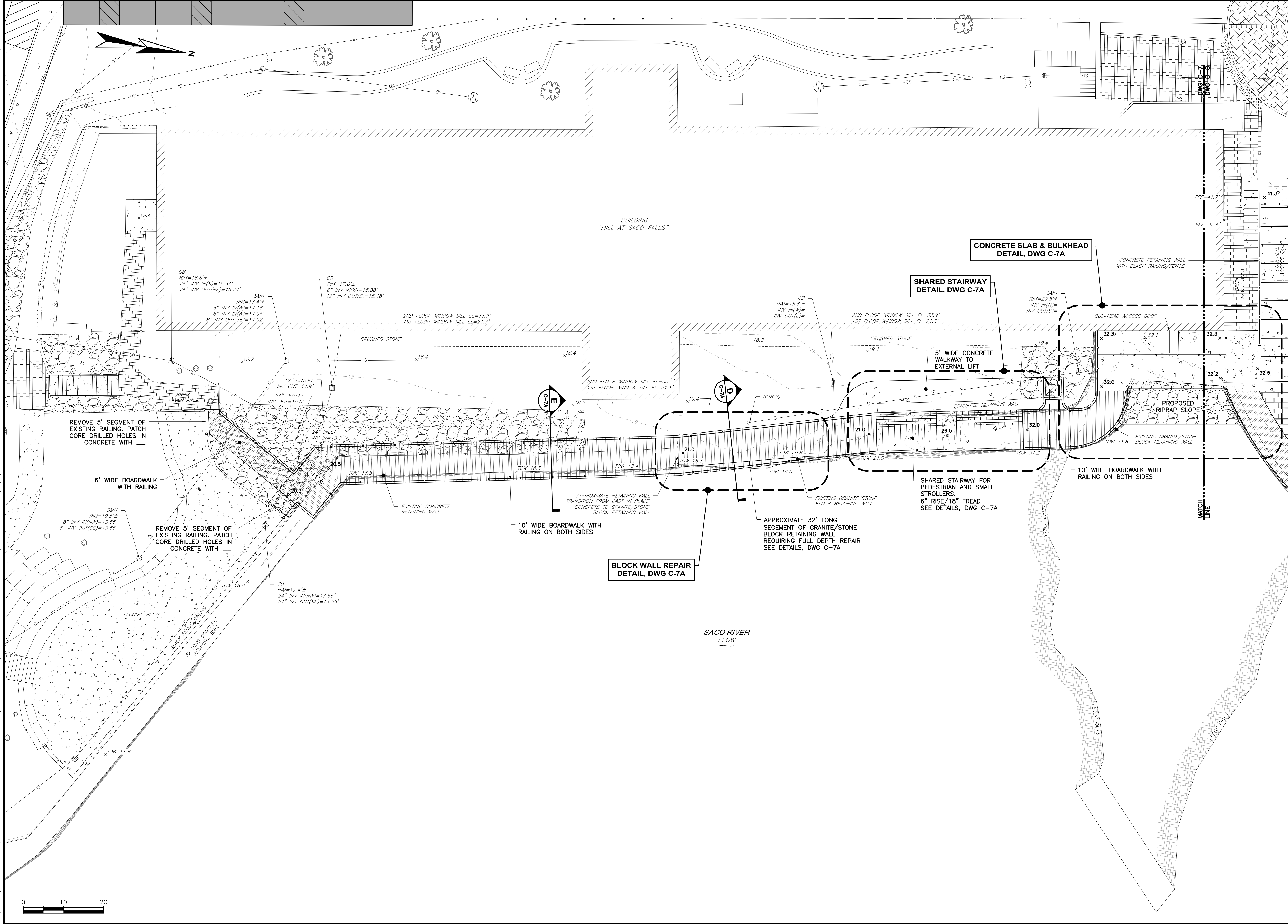
- 1 Existing RiverWalk **Laconia Plaza**.
- 2 **SEGMENT A1 - Laconia Plaza Switchback**; accessible ramp connecting Laconia Plaza up to Connector and accessible Routes through Northdam Campus.
- 3 **SEGMENT B1 - Laconia Plaza Connector**; striped pedestrian zones and parking along existing streets back around to upper levels of RiverDam development.
- 4 **SEGMENT B - Saco Falls Boardwalk**; 10' wooden boardwalk with rails to both sides, runs along reinforced river retaining wall.
- 5 Boardwalk transition with extra depth and shallow rise to accommodate easier transition to upper level. Side path to exterior accessible lift.
- 6 **SEGMENT C - Saco Falls Plaza**; includes extended upper landing and ramp, small open air access segment of existing building (for future connection to interior accessible lift), steps down to specialty paved plaza.
- 7 Granite Block seatwall divides sloping RiverWalk boardwalk from Saco Falls Plaza and potential future development area.
- 8 **SEGMENT D - Riverdam Boardwalk**; gently sloping, 8' minimum width wooden boardwalk with rails to River; interior elevator to provide future access to Pearl Plaza.
- 9 Open concrete stairwell at end of Riverdam Boardwalk leads up from Riverlevel to Riverdam Overlook, and then further up to Pearl Street street level and parking.

RiverWalk 2019 Phase Notes, cont.

- 10 **Pearl Plaza Overlook** - two-level paved and railed Overlook and gatherspace reuses old structural foundations and anchors south end of new Pearl Plaza.
- 11 **Pearl Plaza** - grassy passive recreation spaces with small borders of cheery shrubs and perennials and scattered granite block seating; includes continuation of 8' wide RiverWalk concrete trail with rail and seating along riveredge, and back under Railroad bridge.
- 12 Food Truck paved pullouts within Pearl Plaza to support festivals and events; near additional parking.
- 13 **SEGMENT F1 - Future Spring Island Plaza**, parking and continuation of 8' wide RiverWalk trail.
- 14 **SEGMENT D2 - Pearl Street Sidewalk**; improved sidewalk and crosswalk striping making connections past future development and out to Lincoln Street.
- 15 **SEGMENT D1 - Riverdam Connector**; creative re-working of existing parallel roads to create single improved vehicular route with parking and widened and safer sidewalk areas.
- 16 Future **Spencer Building Sidewalk**.

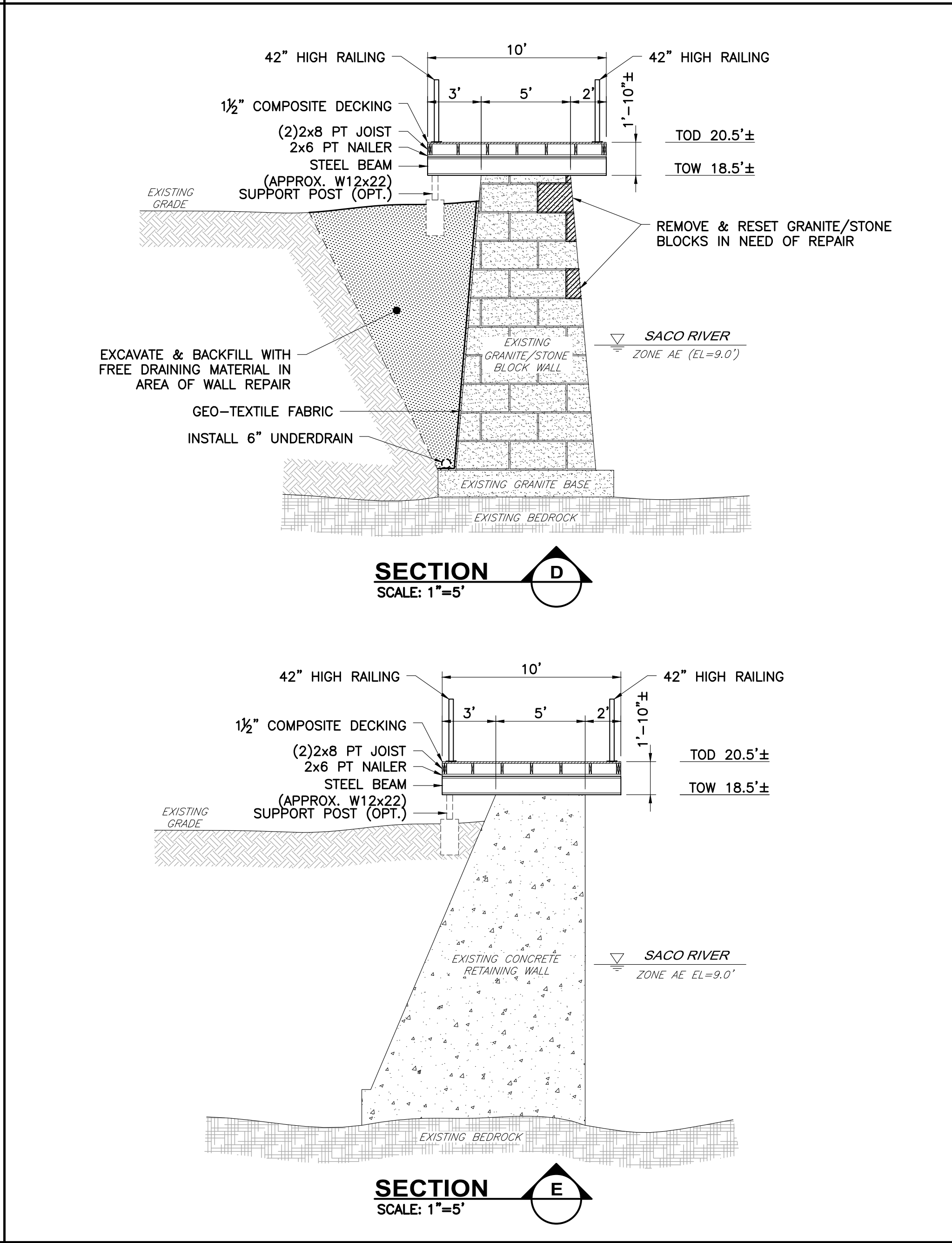
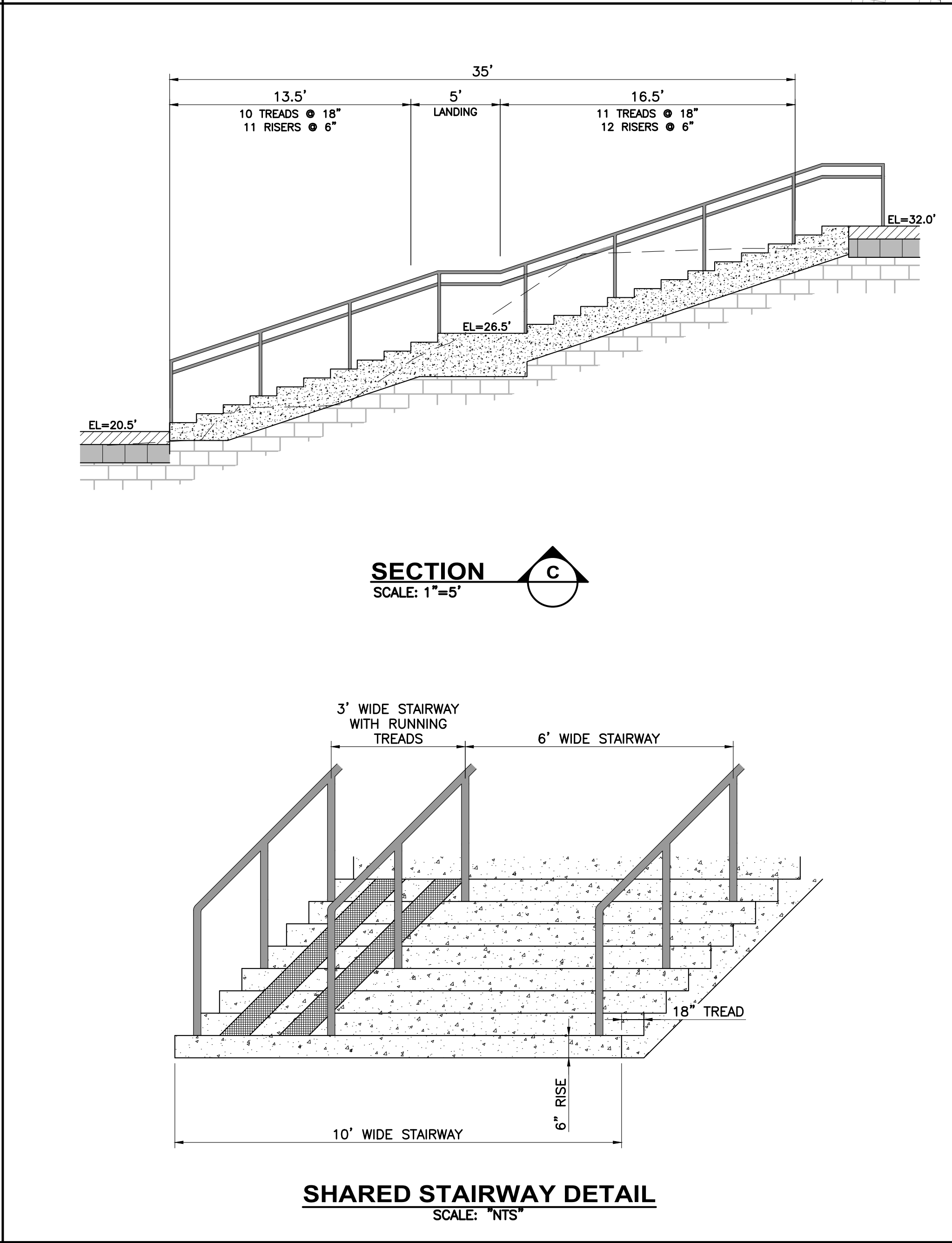
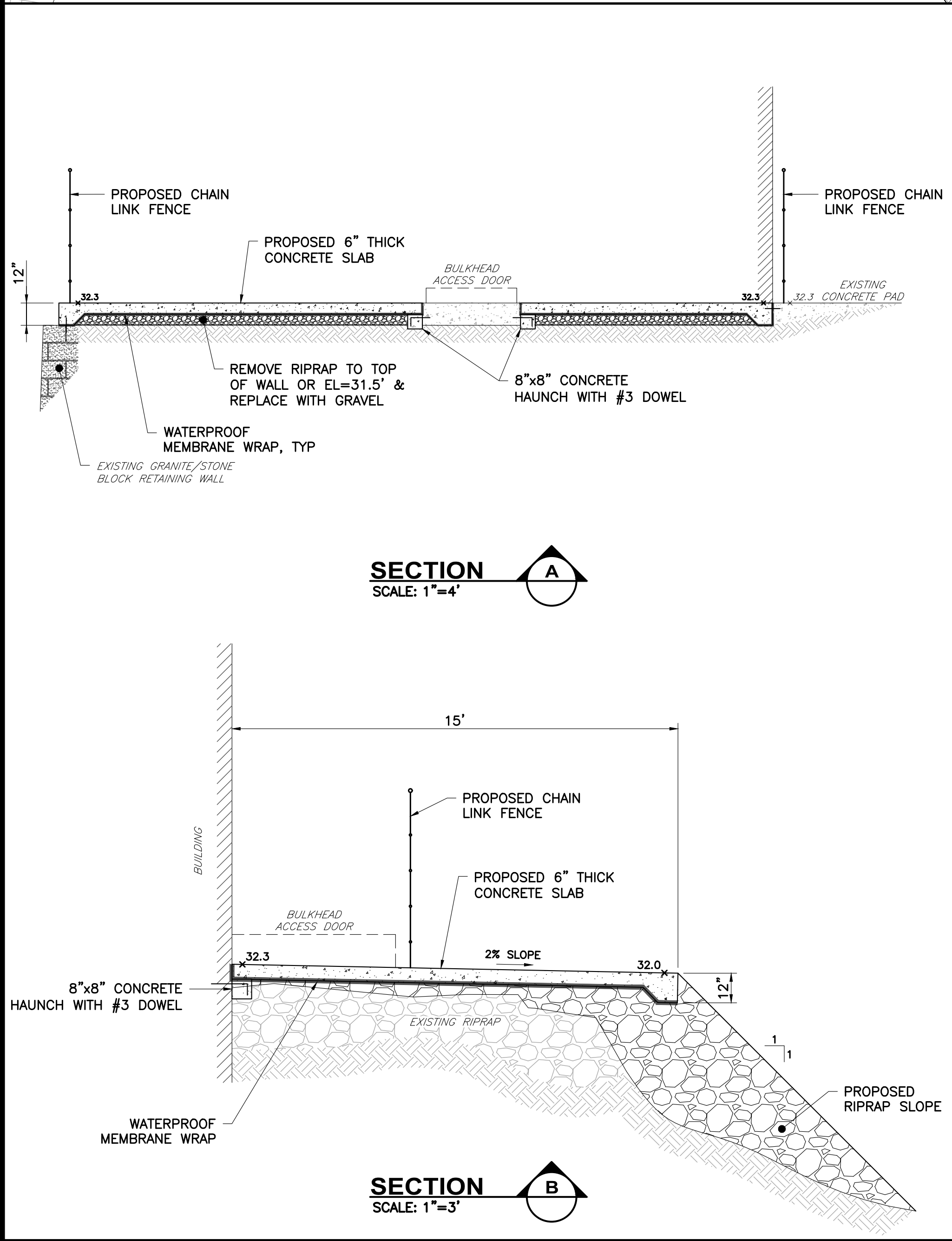
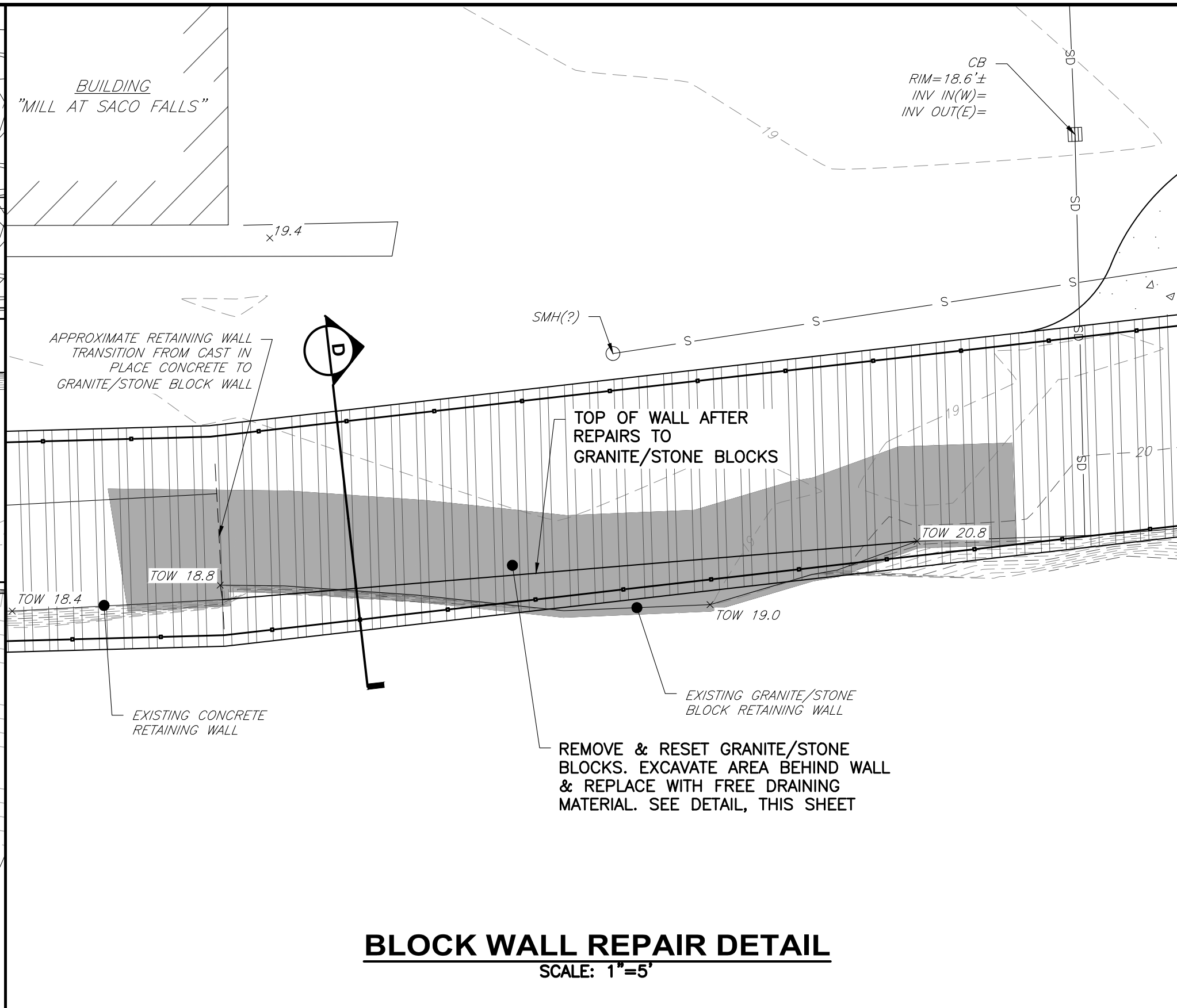
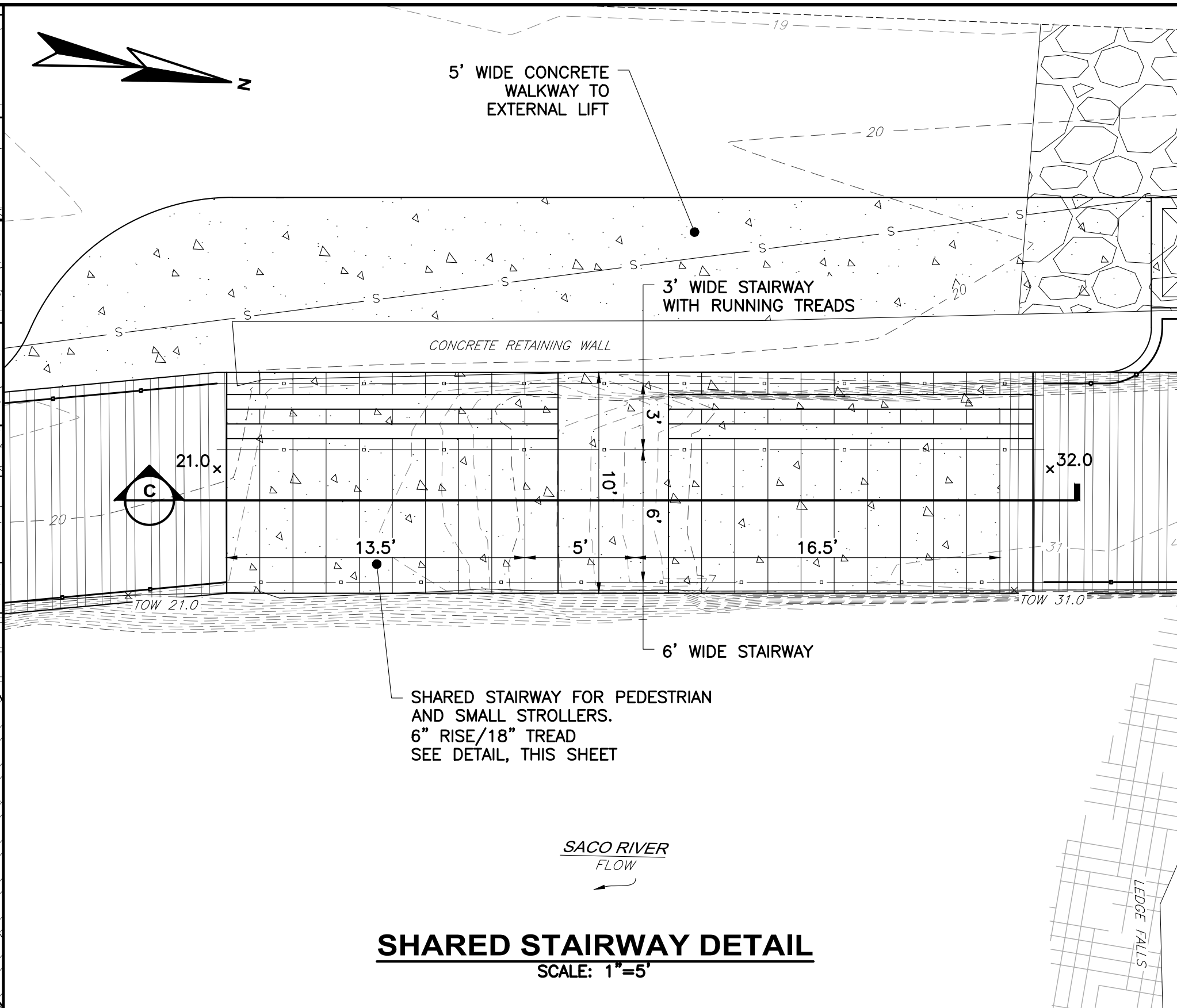
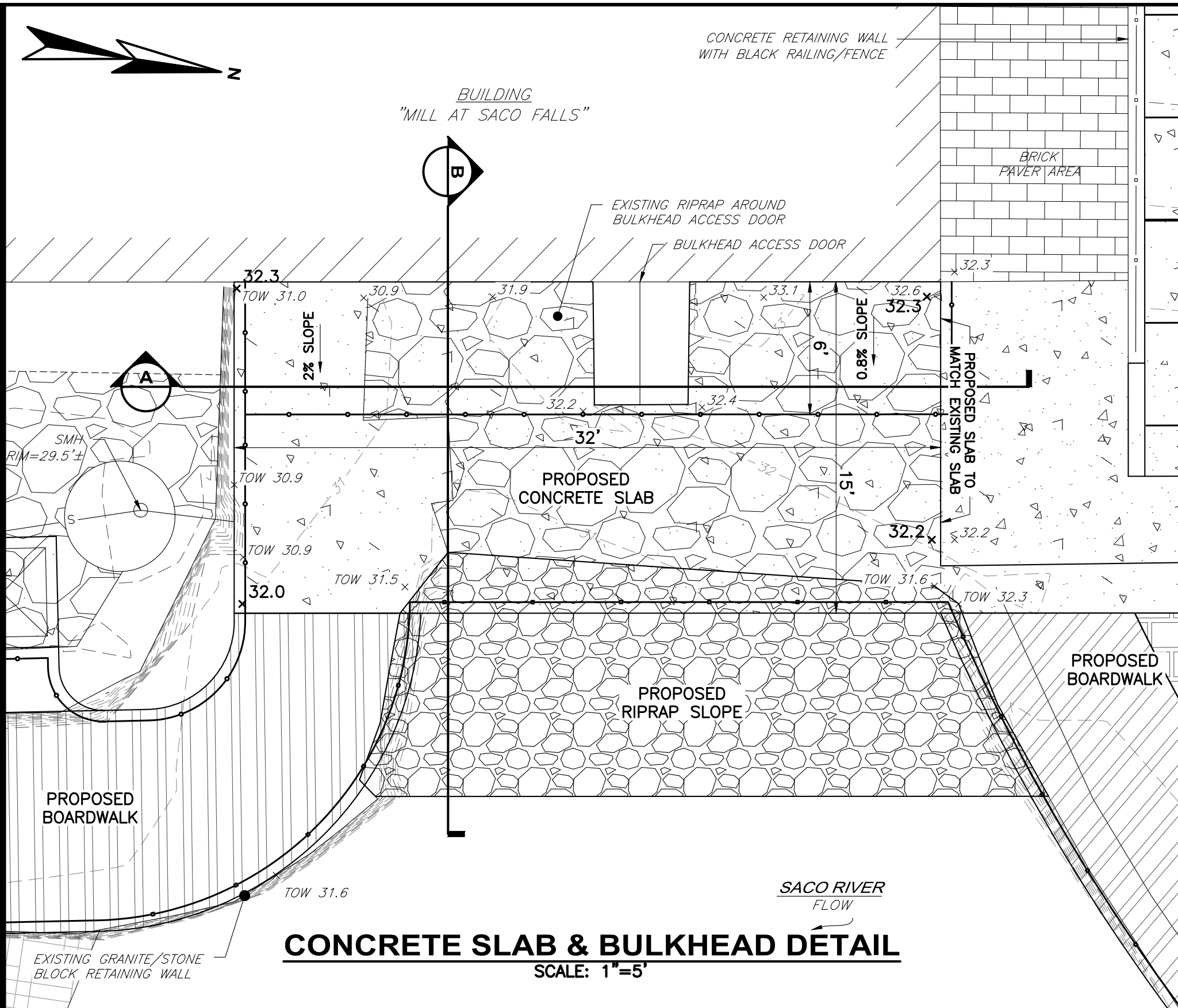
- EXISTING RIVERWALK ELEMENTS and INFRASTRUCTURE
- 2019 RIVERWALK CONSTRUCTION PHASE
- FUTURE RIVERWALK ELEMENTS and CONNECTIONS



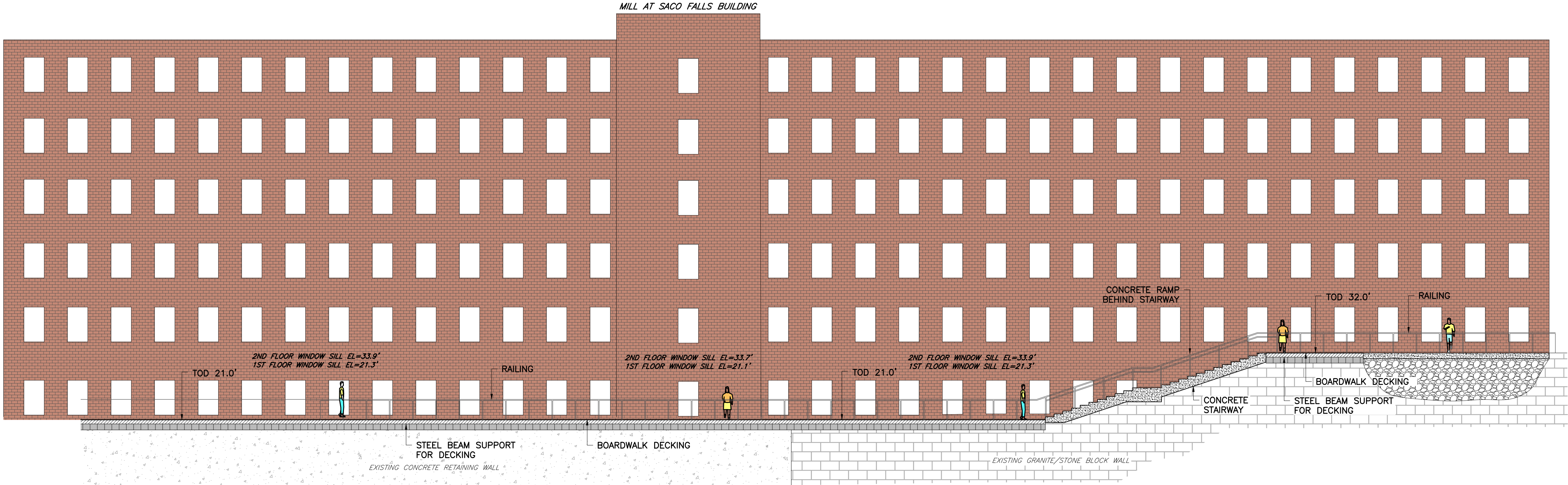


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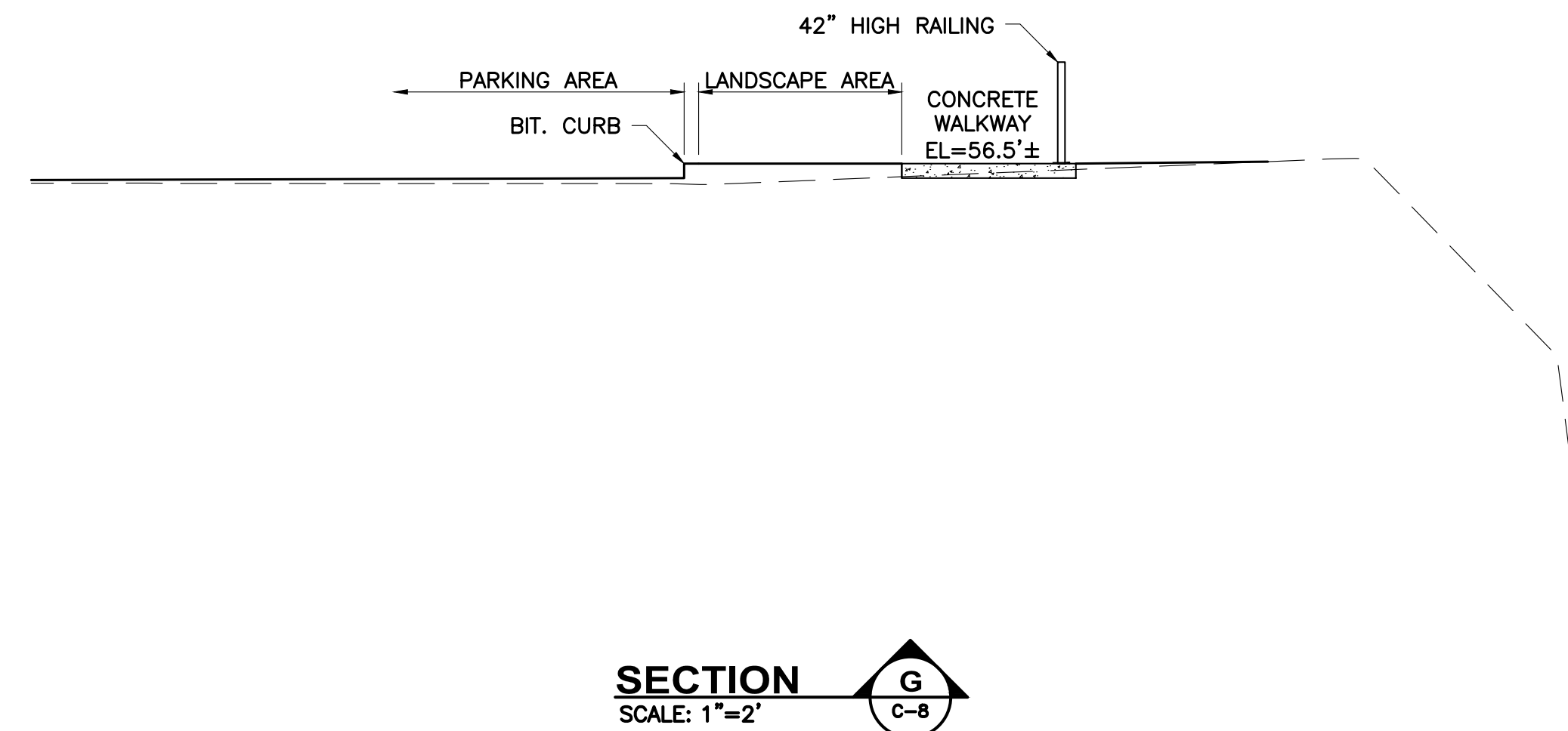
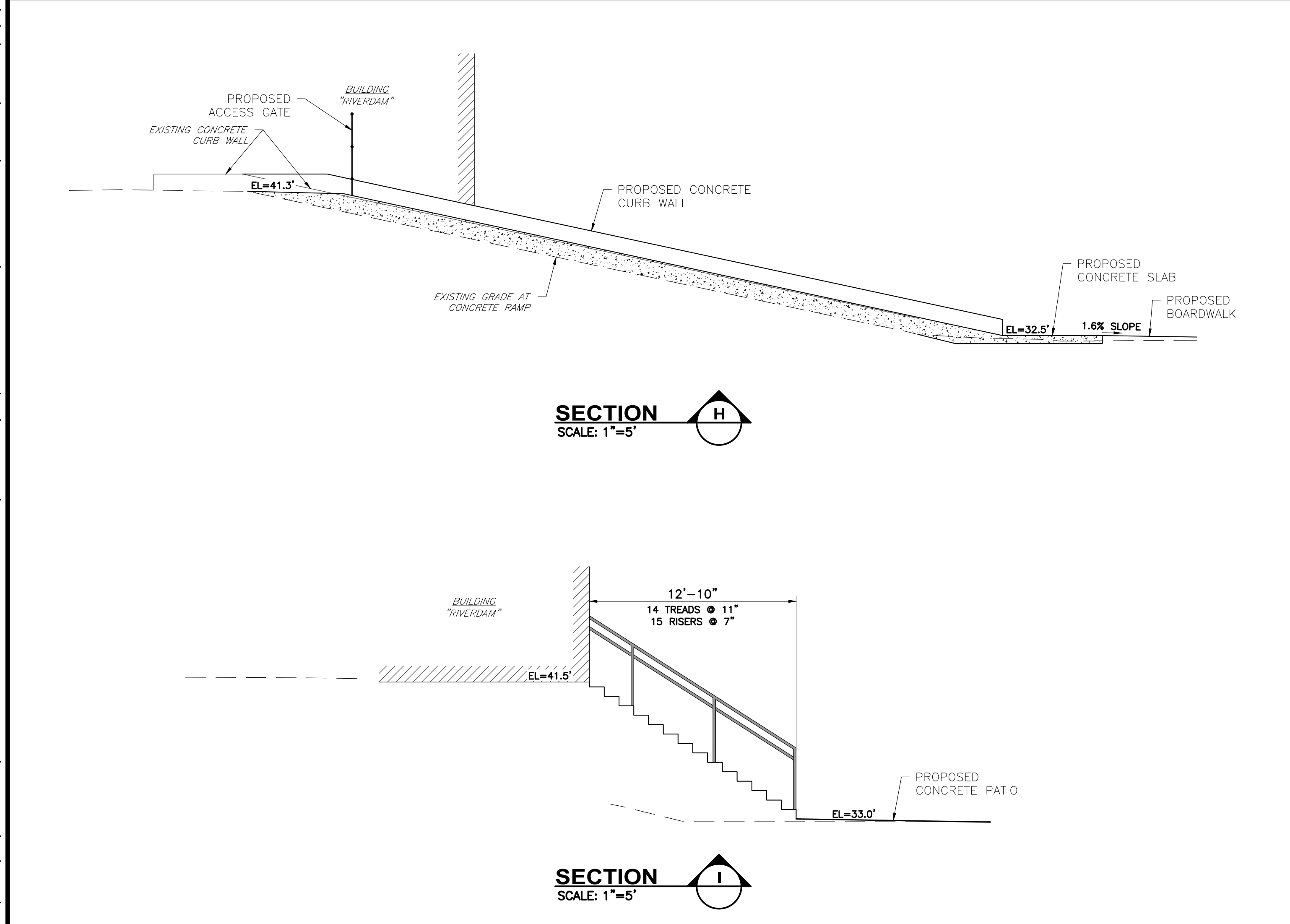


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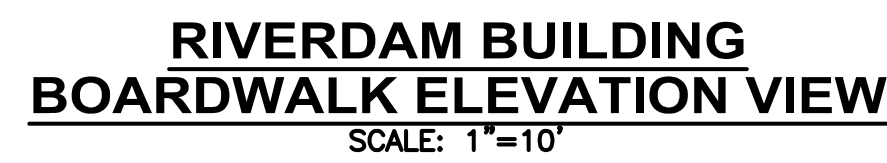
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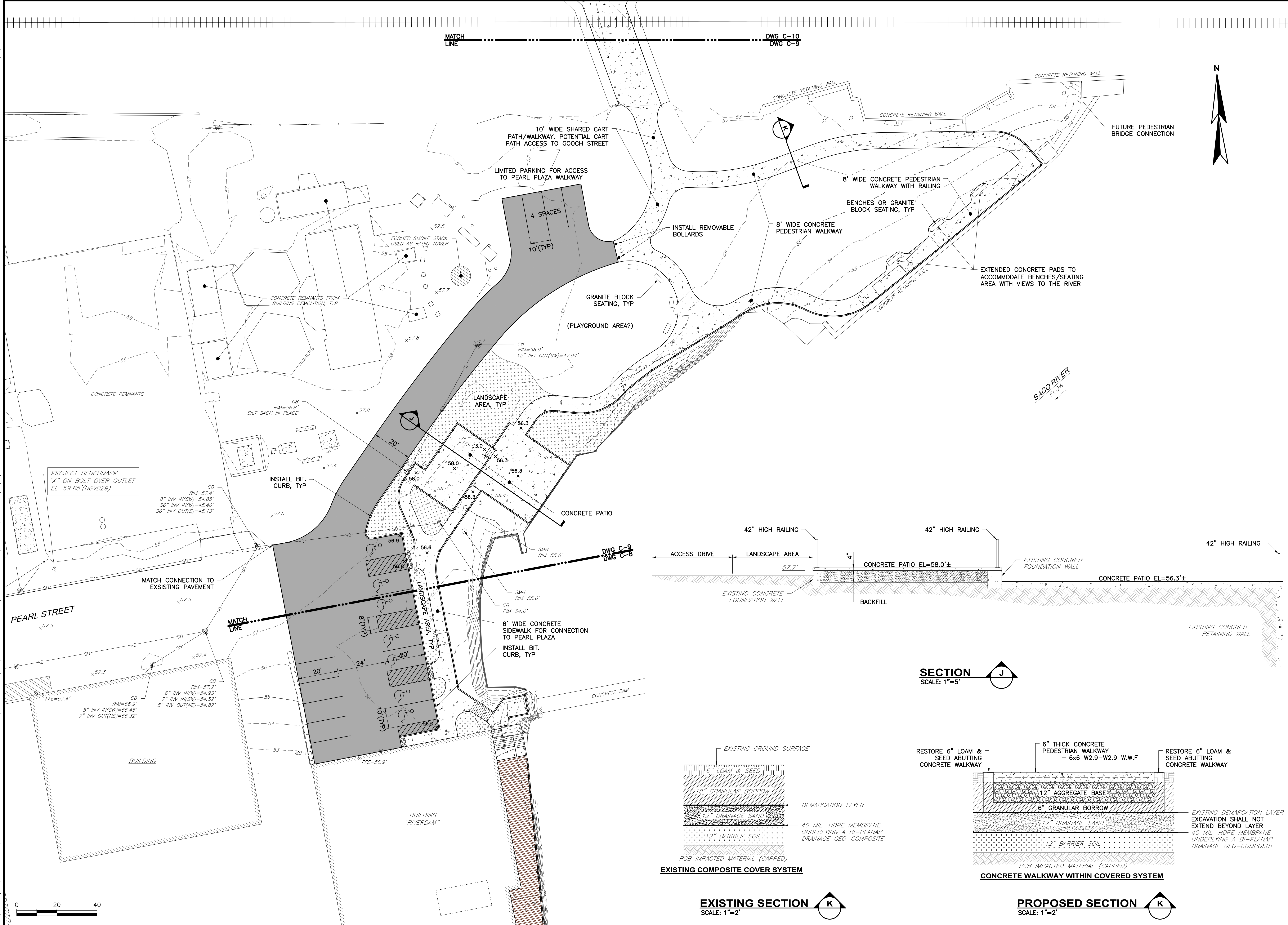
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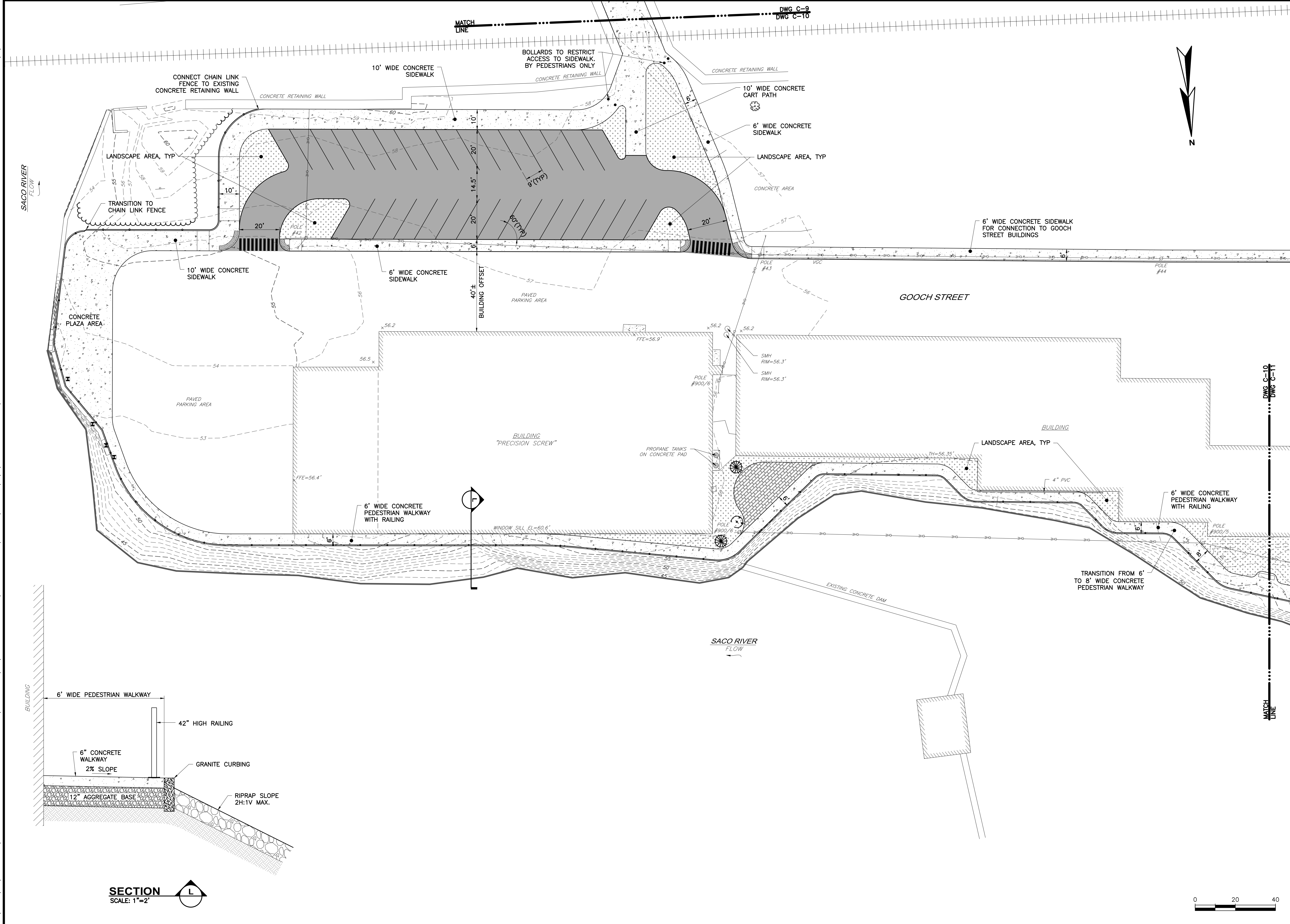
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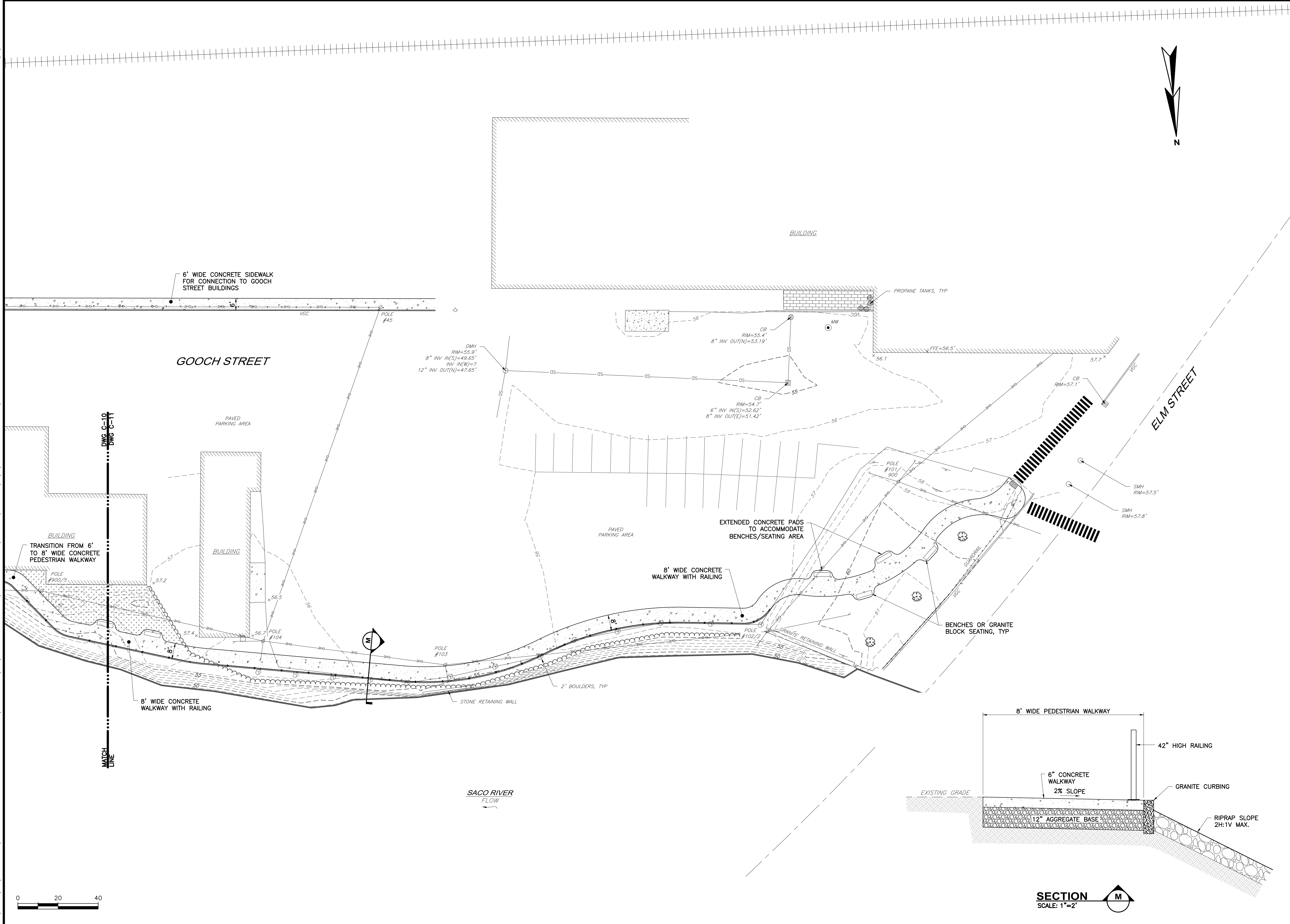
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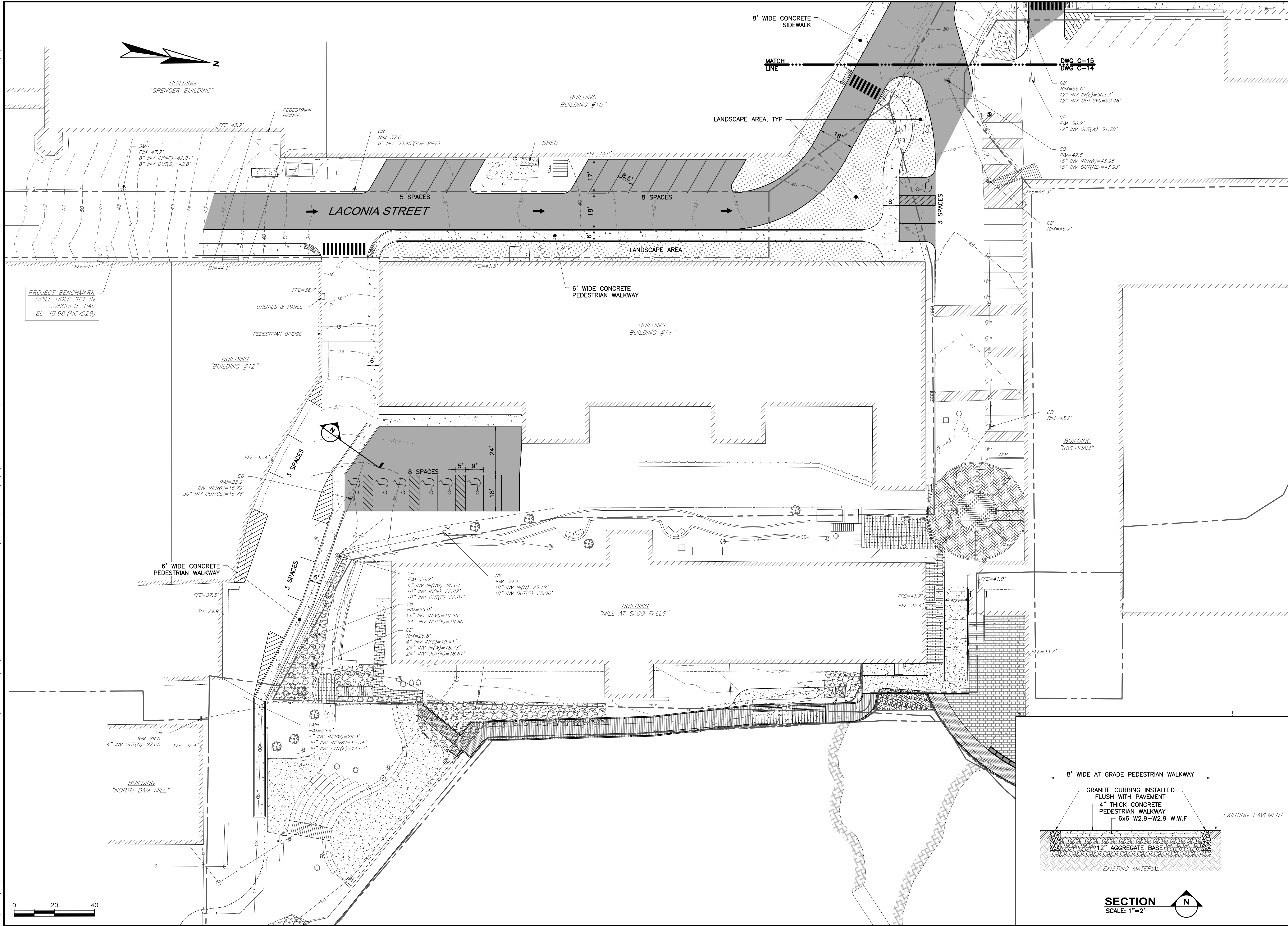
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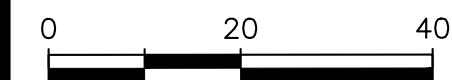
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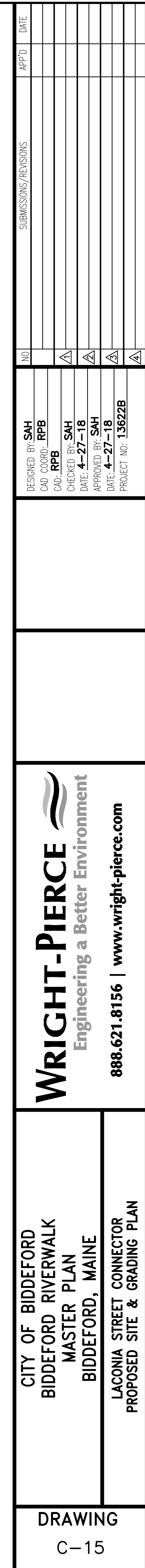
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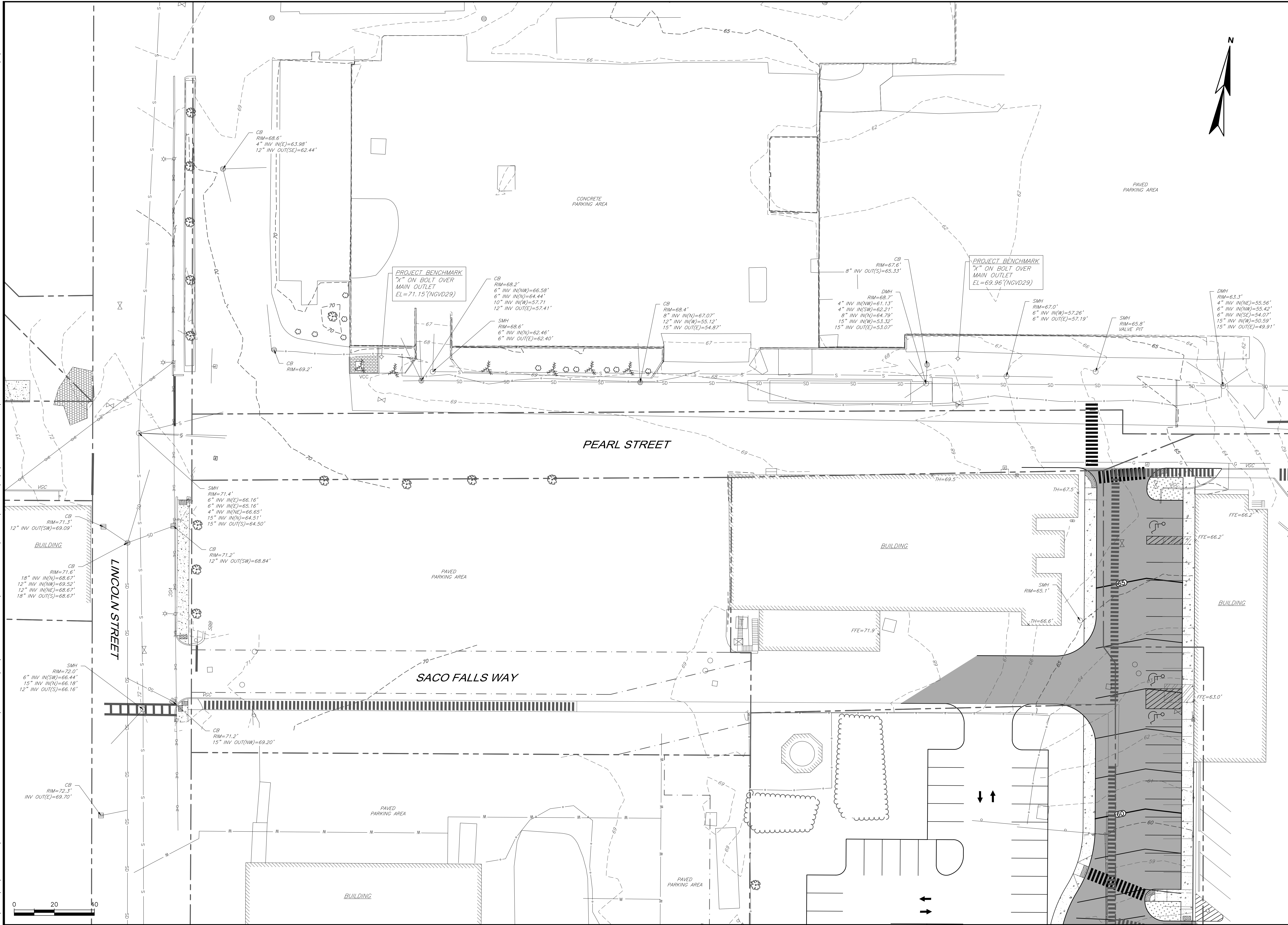
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