



Procurement #: 48734>

CITY OF PROVIDENCE, RHODE ISLAND

Department: Parks

RFP Title: Cunliff Lake Boardwalk at Roger Williams Park

Opening Date: 05/05/2025

Addendum #: 2

Issue Date: 04/18/2025

The purpose of this addendum is:

Revisions to plans and specifications

Providence City Hall
25 Dorrance Street
Providence, RI 02903



WENDY NILSSON
Superintendent of Parks

BRETT P. SMILEY
Mayor

Addendum # 2

CUNLIFF LAKE BOARDWALK AT ROGER WILLIAMS PARK

APRIL 18, 2025

Total Pages Including Cover (80 Pages)

Acknowledge Addenda on Bid Form

**** BID DUE DATE HAS BEEN EXTENDED TILL MONDAY, MAY 5, 2025 AT 2:15PM ****

Attachments:

1. Addendum Cover Sheet (2 pages)
2. Updated Prevailing Wage Determination (19 pages)
3. Pre-bid meeting sign in sheet (1 page)
4. Pre-bid meeting agenda (2 pages)
5. Revised Supplemental bid form (16 pages)
6. Issued For Bidding Drawing Set Revised 04-18-25 (24 pages)
7. New Specifications 02 48 08 – ADA Canoe Launch and Dock (5 pages)
8. New Specifications 03 03 10 Pervious Concrete Pavement (7 pages)
9. Revised specifications 32 33 30 Site Furnishings (4 pages)

Questions/Clarifications:

1. Q: Can a portion of the one-way road be shut down while work is being completed?
A: Yes, the Parks department will be available to coordinate partial or full (temporarily) road closures during activity such as pile driving and to bring equipment to/ from site. A traffic maintenance plan is also expected from the selected contractor.
2. Q: Construction start and substantial completion?
A: Project completion is required by the end of the calendar year, 2025. There are no seasonal or tidal restrictions at the site. There may be event restrictions on dates when the park has scheduled events.
3. Q: Are there any borings for the site?
A: Yes, the soil boring logs are attached at the end of the technical specifications.
events.

PROVIDENCE PARKS DEPARTMENT
1000 Elmwood Avenue, Providence, RI 02905
Phone: 401-680-7201



WENDY NILSSON
Superintendent of Parks

BRETT P. SMILEY
Mayor

4. Q: Is the Bid Due Date still the 21st?
A: No, see the new due date listed above.
5. Q: Geotechnical recommendation for the load capacity of the helical piles.
A: Helical pile requirements have been noted in the revised drawings.
6. Q: Is there a specific size needed for the stringer and split pile cap?
A: Refer to the new plan set for stringer and pile cap sizing.

"General Decision Number: RI20250001 03/14/2025

Superseded General Decision Number: RI20240001

State: Rhode Island

Construction Types: Building, Heavy (Heavy and Marine) and Highway

Counties: Rhode Island Statewide.

BUILDING CONSTRUCTION PROJECTS (does not include residential construction consisting of single family homes and apartments up to and including 4 stories) HEAVY, HIGHWAY AND MARINE CONSTRUCTION PROJECTS

Note: Contracts subject to the Davis-Bacon Act are generally required to pay at least the applicable minimum wage rate required under Executive Order 14026 or Executive Order 13658. Please note that these Executive Orders apply to covered contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but do not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(1).

<p>If the contract is entered into on or after January 30, 2022, or the contract is renewed or extended (e.g., an option is exercised) on or after January 30, 2022:</p>	<ul style="list-style-type: none"> . Executive Order 14026 generally applies to the contract. . The contractor must pay all covered workers at least \$17.75 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in 2025.
<p>If the contract was awarded on or between January 1, 2015 and January 29, 2022, and the contract is not renewed or extended on or after January 30, 2022:</p>	<ul style="list-style-type: none"> . Executive Order 13658 generally applies to the contract. . The contractor must pay all covered workers at least \$13.30 per hour (or the applicable wage rate listed on this wage determination,

	if it is higher) for all hours spent performing on that contract in 2025.
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The applicable Executive Order minimum wage rate will be adjusted annually. If this contract is covered by one of the Executive Orders and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must still submit a conformance request.

Additional information on contractor requirements and worker protections under the Executive Orders is available at <http://www.dol.gov/whd/govcontracts>.

Modification Number	Publication Date
0	01/03/2025
1	03/07/2025
2	03/14/2025

ASBE0006-006 09/01/2024

Rates	Fringes
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HAZARDOUS MATERIAL HANDLER (Includes preparation, wetting, stripping, removal scrapping, vacuuming, bagging & disposing of all insulation materials, whether they contain asbestos or not, from mechanical systems).....	\$ 49.91	36.63
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ASBE0006-008 09/01/2024

Rates	Fringes
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Asbestos Worker/Insulator Includes application of all insulating materials, protective coverings, coatings & finishes to all types of mechanical systems.	\$ 49.91	36.63
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* BOIL0029-001 01/01/2025

Rates	Fringes
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BOILERMAKER.....	\$ 50.62	28.82
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BRRIO003-001 06/01/2022

	Rates	Fringes
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Bricklayer, Stonemason, Pointer, Caulker & Cleaner.....	\$ 46.86	29.14
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BRRIO003-002 09/01/2022

	Rates	Fringes
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Marble Setter, Terrazzo Worker & Tile Setter.....	\$ 46.54	30.34
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BRRIO003-003 09/01/2022

	Rates	Fringes
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Marble, Tile & Terrazzo Finisher.....	\$ 38.78	29.61
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CARP0330-001 06/03/2024

	Rates	Fringes
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CARPENTER (Includes Soft Floor Layer).....	\$ 45.13	30.25
Diver Tender.....	\$ 44.88	30.25
DIVER.....	\$ 57.03	30.25
Piledriver.....	\$ 41.53	29.35
WELDER.....	\$ 44.88	30.25

FOOTNOTES:

When not diving or tending the diver, the diver and diver tender shall receive the piledriver rate. Diver tenders shall receive \$1.00 per hour above the pile driver rate when tending the diver.

Work on free-standing stacks, concrete silos & public utility electrical power houses, which are over 35 ft. in height when constructed: \$.50 per hour additional.

Work on exterior concrete shear wall gang forms, 45 ft. or more above ground elevation or on setback: \$.50 per hour additional.

The designated piledriver, known as the ""monkey"": \$1.00 per hour additional.

* CARP1121-002 01/06/2025

	Rates	Fringes
MILLWRIGHT.....	\$ 45.72	31.50

ELEC0099-002 06/01/2024

	Rates	Fringes
ELECTRICIAN.....	\$ 52.11	47.25%
Teledata System Installer.....	\$ 39.09	11.02%+15.31

FOOTNOTES:

Work of a hazardous nature, or where the work height is 30 ft. or more from the floor, except when working OSHA-approved lifts: 20% per hour additional.

Work in tunnels below ground level in combined sewer outfall: 20% per hour additional.

* ELEV0039-001 01/01/2025

	Rates	Fringes
ELEVATOR MECHANIC.....	\$ 64.52	38.435+a+b

FOOTNOTES:

a. PAID HOLIDAYS: New Years Day; Memorial Day; Independence Day; Labor Day; Veterans' Day; Thanksgiving Day; the Friday after Thanksgiving Day; and Christmas Day.

b. Employer contributes 8% basic hourly rate for 5 years or more of service of 6% basic hourly rate for 6 months to 5 years of service as vacation pay credit.

ENGI0057-001 12/01/2024

Rates	Fringes
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Operating Engineer: (power plants, sewer treatment plants, pumping stations, tunnels, caissons, piers, docks, bridges, wind turbines, subterranean & other marine and heavy construction work)

GROUP 1.....	\$ 49.05	29.70
GROUP 2.....	\$ 47.05	29.70
GROUP 3.....	\$ 42.67	29.70
GROUP 4.....	\$ 39.82	29.70
GROUP 5.....	\$ 46.10	29.70
GROUP 6.....	\$ 36.90	29.70
GROUP 7.....	\$ 30.90	29.70
GROUP 8.....	\$ 42.75	29.70
GROUP 9.....	\$ 46.67	29.70

a. BOOM LENGTHS, INCLUDING JIBS:

150 feet and over + \$ 2.00
 180 feet and over + \$ 3.00
 210 feet and over + \$ 4.00
 240 feet and over + \$ 5.00
 270 feet and over + \$ 7.00
 300 feet and over + \$ 8.00
 350 feet and over + \$ 9.00
 400 feet and over + \$10.00

a. PAID HOLIDAYS:

New Year's Day, President's Day, Memorial Day, July Fourth, Victory Day, Labor Day, Columbus Day, Veterans Day, Thanksgiving Day, Christmas Day. a: Any employee who works 3 days in the week in which a holiday falls shall be paid for the holiday.

a. FOOTNOTES:

Hazmat work: \$2.00 per hour additional.
 Tunnel/Shaft work: \$5.00 per hour additional.

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Cranes, lighters, boom trucks and derricks

GROUP 2: Digging machine, Ross Carrier, locomotive, hoist, elevator, bidwell-type machine, shot & water blasting machine, paver, spreader, graders, front end loader (3 yds. and over), vibratory hammer & vacuum truck, roadheaders,

forklifts, econobile type equipment, tunnel boring machines, concrete pump and on site concrete plants.

GROUP 3: Oilers on cranes.

GROUP 4: Oiler on crawler backhoe.

GROUP 5: Bulldozer, bobcats, skid steer loader, tractor, scraper, combination loader backhoe, roller, front end loader (less than 3 yds.), street and mobile-powered sweeper (3-yd. capacity), 8-ft. sweeper minimum 65 HP).

GROUP 6: Well-point installation crew.

GROUP 7: Utility Engineers and Signal Persons

GROUP 8: Heater, concrete mixer, stone crusher, welding machine, generator and light plant, gas and electric driven pump and air compressor.

GROUP 9: Boat & tug operator.

 ENGI0057-003 12/01/2024

BUILDING CONSTRUCTION

	Rates	Fringes
Power Equipment Operator		
GROUP 1.....	\$ 48.32	28.45
GROUP 2.....	\$ 46.32	28.45
GROUP 3.....	\$ 46.10	28.45
GROUP 4.....	\$ 42.10	28.45
GROUP 5.....	\$ 39.25	28.45
GROUP 6.....	\$ 45.40	28.45
GROUP 7.....	\$ 44.97	28.45
GROUP 8.....	\$ 42.29	28.45

a. BOOM LENGTHS, INCLUDING JIBS:

150 ft. and over: + \$ 2.00
 180 ft. and over: + \$ 3.00
 210 ft. and over: + \$ 4.00
 240 ft. and over: + \$ 5.00
 270 ft. and over: + \$ 7.00
 300 ft. and over: + \$ 8.00
 350 ft. and over: + \$ 9.00
 400 ft. and over: + \$10.00

a. PAID HOLIDAYS: New Year's Day, President's Day, Memorial Day, July Fourth, Victory Day, Labor Day, Columbus Day, Veterans Day, Thanksgiving Day & Christmas Day. a: Any employee who works 3 days in the week in which a holiday falls shall be paid for the holiday.

a. FOOTNOTE: Hazmat work: \$2.00 per hour additional.
Tunnel/Shaft work: \$5.00 per hour additional.

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Cranes, lighters, boom trucks and derricks.

GROUP 2: Digging machine, Ross carrier, locomotive, hoist, elevator, bidwell-type machine, shot & water blasting machine, paver, spreader, front end loader (3 yds. and over), vibratory hammer and vacuum truck

GROUP 3: Telehandler equipment, forklift, concrete pump & on-site concrete plant

GROUP 4: Fireman & oiler on cranes

GROUP 5: Oiler on crawler backhoe

GROUP 6: Bulldozer, skid steer loaders, bobcats, tractor, grader, scraper, combination loader backhoe, roller, front end loader (less than 3 yds.), street and mobile powered sweeper (3 yds. capacity), 8-ft. sweeper (minimum 65 hp)

GROUP 7: Well point installation crew

GROUP 8: Heater, concrete mixer, stone crusher, welding machine, generator for light plant, gas and electric driven pump & air compressor

ENGI0057-005 11/01/2024

Rates

Fringes

Power Equipment Operator
(highway construction
projects; water and sewerline
projects which are incidental
to highway construction
projects; and bridge projects

that do not span water)

GROUP 1.....	\$ 44.20	29.45
GROUP 2.....	\$ 42.20	29.45
GROUP 3.....	\$ 36.90	29.45
GROUP 4.....	\$ 23.50	29.45
GROUP 5.....	\$ 30.90	29.45
GROUP 6.....	\$ 37.48	29.45
GROUP 7.....	\$ 41.18	29.45
GROUP 8.....	\$ 36.45	29.45

a. FOOTNOTE: a. Any employee who works three days in the week in which a holiday falls shall be paid for the holiday.

b. PAID HOLIDAYS: New Year's Day, President's Day, Memorial Day, July Fourth, Victory Day, Labor Day, Columbus Day, Veterans Day, Thanksgiving Day & Christmas Day.

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Cranes, pile drivers, lighters, boom trucks, hoists, derricks

GROUP 2: Digging machines, excavators, locomotives, John Henry's, directional drilling machines, cold planers, reclaimers, pavers, spreaders, graders, front-end loaders (3yds & over), vacuum truck, drill/boring machine operators, vermeer saw, water blaster, hydraulic-demolition robot, Ross Carriers, concrete pump operators, asphalt/material transfer machines, rotating telehandlers, SPMT type equipment

GROUP 3: Wellpoint installation and drill/boring machine assistants

GROUP 4: Utility engineers

GROUP 5: Signal persons

GROUP 6: Oilers on cranes and deckhands

GROUP 7: Combination loader / backhoes, front-end loaders (less than 3 yds.), forklift, bulldozers, scrapers, boats, rollers, skid steer loaders (regardless of attachments), street sweepers, mechanics, welders, operators in materials yards, shops and garages

GROUP 8: Gas and electric drive heaters, concrete mixers, light plants, welding machines, pumps and compressors

IRON0037-001 09/16/2024

	Rates	Fringes
IRONWORKER.....	\$ 41.59	32.98

LABO0271-001 12/03/2023

BUILDING CONSTRUCTION

	Rates	Fringes
LABORER		
GROUP 1.....	\$ 37.00	26.90
GROUP 2.....	\$ 37.00	26.90
GROUP 3.....	\$ 37.00	26.90
GROUP 4.....	\$ 37.00	26.90
GROUP 5.....	\$ 39.00	26.90

LABORERS CLASSIFICATIONS

GROUP 1: Laborer, Carpenter Tender, Mason Tender, Cement Finisher Tender, Scaffold Erector, Wrecking Laborer, Asbestos Removal [Non-Mechanical Systems]

GROUP 2: Asphalt Raker, Adzemen, Pipe Trench Bracer, Demolition Burner, Chain Saw Operator, Fence & Guard Rail Erector, Setter of Metal Forms for Roadways, Mortar Mixer, Pipelayer, Riprap & Dry Stonewall Builder, Highway Stone Spreader, Pneumatic Tool Operator, Wagon Drill Operator, Tree Trimmer, Barco-Type Jumping Tamper, Mechanical Grinder Operator

GROUP 3: Pre-Cast Floor & Roof Plank Erectors

GROUP 4: Air Track Operator, Hydraulic & Similar Self-Powered Drill, Block Paver, Rammer, Curb Setter, Powderman & Blaster

GROUP 5: Toxic Waste Remover

LABORERS CLASSIFICATIONS

GROUP 1: Laborer, Carpenter Tender, Mason Tender, Cement Finisher Tender, Scaffold Erector, Wrecking Laborer, Asbestos Removal [Non-Mechanical Systems]

GROUP 2: Asphalt Raker, Adzemen, Pipe Trench Bracer, Demolition Burner, Chain Saw Operator, Fence & Guard Rail Erector, Setter of Metal Forms for Roadways, Mortar Mixer, Pipelayer, Riprap & Dry Stonewall Builder, Highway Stone

Spreader, Pneumatic Tool Operator, Wagon Drill Operator,
Tree Trimmer, Barco-Type Jumping Tamper, Mechanical Grinder
Operator

GROUP 3: Pre-Cast Floor & Roof Plank Erectors

GROUP 4: Air Track Operator, Hydraulic & Similar Self-Powered
Drill, Block Paver, Rammer, Curb Setter, Powderman & Blaster

GROUP 5: Toxic Waste Remover

LAB00271-002 11/27/2022

HEAVY AND HIGHWAY CONSTRUCTION

	Rates	Fringes
LABORER		
COMPRESSED AIR		
Group 1.....	\$ 55.40	24.15
Group 2.....	\$ 52.93	24.15
Group 3.....	\$ 42.45	24.15
FREE AIR		
Group 1.....	\$ 46.00	24.15
Group 2.....	\$ 45.00	24.15
Group 3.....	\$ 42.45	24.15
LABORER		
Group 1.....	\$ 33.05	24.05
Group 2.....	\$ 35.75	24.85
Group 3.....	\$ 36.50	24.85
Group 4.....	\$ 29.00	24.85
Group 5.....	\$ 37.50	24.85
OPEN AIR CAISSON, UNDERPINNING WORK AND BORING CREW		
Bottom Man.....	\$ 41.50	24.15
Top Man & Laborer.....	\$ 35.60	24.15
TEST BORING		
Driller.....	\$ 41.95	24.15
Laborer.....	\$ 41.95	24.15
LABORER CLASSIFICATIONS		

GROUP 1: Laborer; Carpenter tender; Cement finisher tender;
Wrecking laborer; Asbestos removers [non-mechanical systems];
Plant laborer; Driller in quarries

GROUP 2: Adzeperson; Asphalt raker; Barcotype jumping tamper;
Chain saw operators; Concrete and power buggy operator;

Concrete saw operator; Demolition burner; Fence and guard rail erector; Highway stone spreader; Laser beam operator; Mechanical grinder operator; Mason tender; Mortar mixer; Pneumatic tool operator; Riprap and dry stonewall builder; Scaffold erector; Setter of metal forms for roadways; Wagon drill operator; Wood chipper operator; Pipelayer; Pipe trench bracer

GROUP 3: Air track drill operator; Hydraulic and similar powered drills; Brick paver; Block paver; Rammer and curb setter; Powderperson and blaster

GROUP 4: Flagger & signaler

GROUP 5: Toxic waste remover

LABORER - COMPRESSED AIR CLASSIFICATIONS

GROUP 1: Mucking machine operator, tunnel laborer, brake person, track person, miner, grout person, lock tender, gauge tender, miner: motor person & all others in compressed air

GROUP 2: Change house attendant, powder watchperson, top person on iron

GROUP 3: Hazardous waste work within the ""HOT"" zone

LABORER - FREE AIR CLASSIFICATIONS

GROUP 1: Grout person - pumps, brake person, track person, form mover & stripper (wood & steel), shaft laborer, laborer topside, outside motorperson, miner, conveyor operator, miner welder, heading motorperson, erecting operator, mucking machine operator, nozzle person, rodperson, safety miner, shaft & tunnel, steel & rodperson, mole nipper, concrete worker, form erector (wood, steel and all accessories), cement finisher (this type of work only), top signal person, bottom person (when heading is 50' from shaft), burner, shield operator and TBM operator

GROUP 2: Change house attendant, powder watchperson

GROUP 3: Hazardous waste work within the ""HOT"" zone

LABORER CLASSIFICATIONS

GROUP 1: Laborer; Carpenter tender; Cement finisher tender; Wrecking laborer; Asbestos removers [non-mechanical systems]; Plant laborer; Driller in quarries

GROUP 2: Adzeperson; Asphalt raker; Barcotype jumping tamper; Chain saw operators; Concrete and power buggy operator; Concrete saw operator; Demolition burner; Fence and guard rail erector; Highway stone spreader; Laser beam operator; Mechanical grinder operator; Mason tender; Mortar mixer; Pneumatic tool operator; Riprap and dry stonewall builder; Scaffold erector; Setter of metal forms for roadways; Wagon drill operator; Wood chipper operator; Pipelayer; Pipe trench bracer

GROUP 3: Air track drill operator; Hydraulic and similar powered drills; Brick paver; Block paver; Rammer and curb setter; Powderperson and blaster

GROUP 4: Flagger & signaler

GROUP 5: Toxic waste remover

LABORER - COMPRESSED AIR CLASSIFICATIONS

GROUP 1: Mucking machine operator, tunnel laborer, brake person, track person, miner, grout person, lock tender, gauge tender, miner: motor person & all others in compressed air

GROUP 2: Change house attendant, powder watchperson, top person on iron

GROUP 3: Hazardous waste work within the ""HOT"" zone

LABORER - FREE AIR CLASSIFICATIONS

GROUP 1: Grout person - pumps, brake person, track person, form mover & stripper (wood & steel), shaft laborer, laborer topside, outside motorperson, miner, conveyor operator, miner welder, heading motorperson, erecting operator, mucking machine operator, nozzle person, rodperson, safety miner, shaft & tunnel, steel & rodperson, mole nipper, concrete worker, form erector (wood, steel and all accessories), cement finisher (this type of work only), top signal person, bottom person (when heading is 50' from shaft), burner, shield operator and TBM operator

GROUP 2: Change house attendant, powder watchperson

GROUP 3: Hazardous waste work within the ""HOT"" zone

PAIN0011-005 06/01/2024

	Rates	Fringes
PAINTER		
Brush and Roller.....	\$ 38.07	25.80
Epoxy, Tanks, Towers, Swing Stage & Structural Steel.....	\$ 40.07	25.80
Spray, Sand & Water Blasting.....	\$ 41.07	25.80
Taper.....	\$ 38.82	25.80
Wall Coverer.....	\$ 38.57	25.80

PAIN0011-006 06/01/2024

	Rates	Fringes
GLAZIER.....	\$ 41.63	26.15

FOOTNOTES:

SWING STAGE: \$1.00 per hour additional.

PAID HOLIDAYS: Labor Day & Christmas Day.

PAIN0011-011 06/01/2024

	Rates	Fringes
Painter (Bridge Work).....	\$ 57.85	26.40

PAIN0035-008 06/01/2011

	Rates	Fringes
Sign Painter.....	\$ 24.79	13.72

* PLAS0040-001 01/01/2025

BUILDING CONSTRUCTION

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER...	\$ 44.75	29.10

FOOTNOTE: Cement Mason: Work on free swinging scaffolds under

3 planks width and which is 20 or more feet above ground
and any offset structure: \$.30 per hour additional.

* PLAS0040-002 01/01/2025

HEAVY AND HIGHWAY CONSTRUCTION

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER...	\$ 44.75	29.10

* PLAS0040-003 01/01/2025

	Rates	Fringes
PLASTERER.....	\$ 45.52	29.43

PLUM0051-002 08/26/2024

	Rates	Fringes
Plumbers and Pipefitters.....	\$ 52.49	33.60

ROOF0033-004 12/01/2024

	Rates	Fringes
ROOFER.....	\$ 45.77	31.01

SFRI0669-001 01/01/2025

	Rates	Fringes
SPRINKLER FITTER.....	\$ 49.98	33.44

SHEE0017-002 12/01/2024

	Rates	Fringes
Sheet Metal Worker.....	\$ 43.69	41.14

TEAM0251-001 05/01/2024

HEAVY AND HIGHWAY CONSTRUCTION

	Rates	Fringes
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TRUCK DRIVER

GROUP 1.....	\$ 30.71	36.9125+A+B
GROUP 2.....	\$ 30.86	36.9125+A+B
GROUP 3.....	\$ 30.91	36.9125+A+B
GROUP 4.....	\$ 30.96	36.9125+A+B
GROUP 5.....	\$ 31.06	36.9125+A+B
GROUP 6.....	\$ 31.46	36.9125+A+B
GROUP 7.....	\$ 31.66	36.9125+A+B
GROUP 8.....	\$ 31.16	36.9125+A+B
GROUP 9.....	\$ 31.41	36.9125+A+B
GROUP 10.....	\$ 31.21	36.9125+A+B

FOOTNOTES:

A. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day, plus Presidents' Day, Columbus Day, Veteran's Day & V-J Day, providing the employee has worked at least one day in the calendar week in which the holiday falls.

B. Employee who has been on the payroll for 1 year or more but less than 5 years and has worked 150 Days during the last year of employment shall receive 1 week's paid vacation; 5 to 10 years - 2 weeks' paid vacation; 10 or more years - 3 week's paid vacation.

C. Employees on the seniority list shall be paid a one hundred dollar (\$100.00) bonus for every four hundred (400) hours worked, up to a maximum of five hundred dollars (\$500.00)

All drivers working on a defined hazard material job site shall be paid a premium of \$2.00 per hour over applicable rate.

TRUCK DRIVER CLASSIFICATIONS

GROUP 1: Pick-up trucks, station wagons, & panel trucks

GROUP 2: Two-axle on low beds

GROUP 3: Two-axle dump truck

GROUP 4: Three-axle dump truck

GROUP 5: Four- and five-axle equipment

GROUP 6: Low-bed or boom trailer.

GROUP 7: Trailers when used on a double hook up (pulling 2

trailers)

GROUP 8: Special earth-moving equipment, under 35 tons

GROUP 9: Special earth-moving equipment, 35 tons or over

GROUP 10: Tractor trailer

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at <https://www.dol.gov/agencies/whd/government-contracts>.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (iii)).

The body of each wage determination lists the classifications and wage rates that have been found to be prevailing for the type(s) of construction and geographic area covered by the wage determination. The classifications are listed in alphabetical order under rate identifiers indicating whether the particular rate is a union rate (current union negotiated rate), a survey rate, a weighted union average rate, a state adopted rate, or a

supplemental classification rate.

Union Rate Identifiers

A four-letter identifier beginning with characters other than ""SU"", ""UAVG"", ?SA?, or ?SC? denotes that a union rate was prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2024. PLUM is an identifier of the union whose collectively bargained rate prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. The date, 07/01/2024 in the example, is the effective date of the most current negotiated rate.

Union prevailing wage rates are updated to reflect all changes over time that are reported to WHD in the rates in the collective bargaining agreement (CBA) governing the classification.

Union Average Rate Identifiers

The UAVG identifier indicates that no single rate prevailed for those classifications, but that 100% of the data reported for the classifications reflected union rates. EXAMPLE: UAVG-OH-0010 01/01/2024. UAVG indicates that the rate is a weighted union average rate. OH indicates the State of Ohio. The next number, 0010 in the example, is an internal number used in producing the wage determination. The date, 01/01/2024 in the example, indicates the date the wage determination was updated to reflect the most current union average rate.

A UAVG rate will be updated once a year, usually in January, to reflect a weighted average of the current rates in the collective bargaining agreements on which the rate is based.

Survey Rate Identifiers

The ""SU"" identifier indicates that either a single non-union rate prevailed (as defined in 29 CFR 1.2) for this classification in the survey or that the rate was derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As a weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SUFL2022-007 6/27/2024. SU indicates the rate is a single non-union prevailing rate or a weighted average of survey data for that

classification. FL indicates the State of Florida. 2022 is the year of the survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. The date, 6/27/2024 in the example, indicates the survey completion date for the classifications and rates under that identifier.

?SU? wage rates typically remain in effect until a new survey is conducted. However, the Wage and Hour Division (WHD) has the discretion to update such rates under 29 CFR 1.6(c)(1).

State Adopted Rate Identifiers

The ""SA"" identifier indicates that the classifications and prevailing wage rates set by a state (or local) government were adopted under 29 C.F.R 1.3(g)-(h). Example: SAME2023-007 01/03/2024. SA reflects that the rates are state adopted. ME refers to the State of Maine. 2023 is the year during which the state completed the survey on which the listed classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. The date, 01/03/2024 in the example, reflects the date on which the classifications and rates under the ?SA? identifier took effect under state law in the state from which the rates were adopted.

WAGE DETERMINATION APPEALS PROCESS

1) Has there been an initial decision in the matter? This can be:

- a) a survey underlying a wage determination
- b) an existing published wage determination
- c) an initial WHD letter setting forth a position on a wage determination matter
- d) an initial conformance (additional classification and rate) determination

On survey related matters, initial contact, including requests for summaries of surveys, should be directed to the WHD Branch of Wage Surveys. Requests can be submitted via email to davisbaconinfo@dol.gov or by mail to:

Branch of Wage Surveys
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.

Washington, DC 20210

Regarding any other wage determination matter such as conformance decisions, requests for initial decisions should be directed to the WHD Branch of Construction Wage Determinations. Requests can be submitted via email to BCWD-Office@dol.gov or by mail to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2) If an initial decision has been issued, then any interested party (those affected by the action) that disagrees with the decision can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Requests for review and reconsideration can be submitted via email to dba.reconsideration@dol.gov or by mail to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210.

=====

END OF GENERAL DECISION"

Sign-In Sheet

Non-Mandatory Pre-Bid Meeting

Tuesday, April 8, 2025 at 11:00 AM – Maple Avenue Past Temple to Music (Site)

Project: Cunliff Lake Boardwalk at Roger Williams Park

NAME	COMPANY	E-MAIL	PHONE
Megan Gardner	PVP Parks	mgardner@providence.ri.gov	401-248-5024
Ellie Lange	Pave Corp	elange@pavecorp.com	980 220 0558
Leah Senorelli	Pearson Maine	lsenorelli@pearsonmaine.com	401 962 1261
CHRIS SEGER	MTLL CITY CONSTRUCTION	CSEGER@MTLL-CITY.COM	401-766-3100
Chris Reynolds	Durbin Masonry	ESTIMATING@DURBINMASONRY.COM	401-506-5062
Angel Gault	Bentley Builders	agault@BentleyCompanies.com	401-632-2452
Huan Wang	Traverse Landscape Architects	hwang@traversela.com	434-422-2886
Todd Turcotte	Pave Corp.	turcotte@pavecorp.com	401.334.4100

PROVIDENCE PARKS DEPARTMENT



WENDY NILSSON
Superintendent of Parks

BRETT P. SMILEY
Mayor

Pre-Bid Meeting – Non-Mandatory

Date: Tuesday April 8, 2025 @ 11:00 am (Site)
Project: Cunliff Lake Boardwalk at Roger Williams Park #48734
Bid Due: Monday April 21, 2025 2:15 pm,

Agenda:

1. Bid Documents, Plans & Specifications – Any Issues?
 - a. **Addenda**
2. Funding – CIP, RIDEM, RIIB
 - a. Braided Funding – Only Requires One Invoice Copy
3. Bid Bond, Performance & Payment Bonds – **Required**
4. MBE/WBE Utilization – 10% MBE/10% WBE – Submit All Paperwork
 - a. Regardless of whether sub-contractors are utilized, the MBE/WBE Waiver Request Form needs to be signed by the MBE/WBE Outreach Director.
 - b. The form needs to be sent to mbe-wbe@providenceri.gov for a signature prior to submitting the bid
 - c. The Parks Department encourages all vendors to seek qualified MBE/WBE Sub-Contractors for utilization on this project
5. Apprenticeship Requirements
 - a. Construction contracts of \$100,000 or more requires that no less than 15% of the total labor hours performed by contractors and subcontractors on any given project are to be completed by apprentices registered in state-registered apprenticeship programs.
 - b. This requirement pertains to all labor hours for a given project, not just those for new hires.
6. “First Source” Requirements
 - a. When hiring new workers for a construction project, employers seek to hire Providence residents when available.
 - b. If the awarded contractor, regardless of tier, is a signatory to a Collective Bargaining Agreement that governs the contractor’s hiring and referral process, the contractor must contact both Building Futures and the local hiring halls to request apprentices or journey workers who are residents of Providence.
7. Retainage
 - a. 5% will be held from Pay Requests until project completion
 - b. Reduction at Substantial Completion (85%) to 2.5%
 - c. Additional 3% held for out of state contractors
8. Insurance Certificate
 - a. Issue after Award
 - b. Shall include: Project Name, City of Providence (and Funder) as ‘Additionally Insured on a primary but non-contributing basis for General Liability Insurance per Written Contract or Agreement’
9. Permits
 - a. Contractor’s responsibility to seek out if permit is needed
 - b. The City Permit Fee will be Waived (contact when submitting)
 - c. State ADA fee is not waived (only applicable if permit is required)

PROVIDENCE PARKS DEPARTMENT
1000 Elmwood Avenue, Providence, RI 02905
Phone: 401-680-7201



WENDY NILSSON
Superintendent of Parks

BRETT P. SMILEY
Mayor

10. Prevailing Wage Requirements
 - a. Wage Decision in RFP (Date of Bid Opening)
 - b. Certified Payrolls to be Submitted with Pay Requisitions
11. Sub-Contractor Utilization Form
 - a. Submitted with Pay Requests
12. Submittals
 - a. Need Written Approval prior to purchase of Materials
 - b. Substitutions must include 'Side by Side Comparison'
13. Schedule of Values / Sequence of Work
 - a. Submitted prior to mobilization
 - b. City expects a Continuous Operation (No Demobilizations)
 - c. Liquidated Damages – Not Included
14. Working Hours
 - a. Monday – Friday 7:00 am – 4:00 pm
 - b. Weekends or Extended Hours – Requires Pre-Approval
15. Job Site Conduct
 - a. Parks are smoke free 'No Smoking'
 - b. No Loud Music
 - c. Equipment and Vehicles – In working Order – No Leaks
16. Pay Requests
 - a. Submit by last Tuesday of the month (Approved original)
 - b. Certified Payrolls need to accompany pay requests or they will not be processed
17. Waiver of Lien or Release
 - a. May be Required with certain funding sources for all suppliers and sub-contractors
18. Site Restrictions
 - a. Access is limited to certain areas
 - b. Deliveries must be coordinated with project manager
 - c. Contractor has control of the site from mobilization and until demobilization
 - d. Owner will be allowed access at all times

Questions regarding this bid package shall be submitted via e-mail to Purchasing at purchasing@providenceri.gov and **contact below**, no later than five (5) working days before the bid opening date.

Parks Department Contact Information

Project Manager

Megan Gardner, RLA, Project Manager
mgardner@providenceri.gov
Office #401.680.7243 / cell #401.248.5044

PROVIDENCE PARKS DEPARTMENT
1000 Elmwood Avenue, Providence, RI 02905
Phone: 401-680-7201

BID PACKAGE SPECIFICATIONS

Project Description:

With the goal of enhancing boating and fishing opportunities in historic Roger Williams Park, the City of Providence Parks Department is seeking qualified bidders to construct a new timber framed boardwalk with fishing overlook and to improve the existing boat ramp at the edge of Cunliff Lake. As the only location offering a public boat launch, Cunliff Lake is the largest water body within the 435 acre park. The boat ramps' current condition is subject to flooding and poses accessibility challenges. The work will also serve to redirect pedestrian circulation and improve safety between vehicles, bikers and pedestrians. In addition, improved stormwater management will be achieved by introducing additional native plantings to the existing bioretention area that to be protected from foot traffic via the boardwalk and timber guardrails. Site amenities including boardwalk lighting, site furnishings and additional permeable parking spaces are listed as add alternates.

BASE BID: The Base Bid scope of work for this project shall include, but not be limited to the following: Following regulations within the RIDEM Freshwater Wetlands Permit, the scope includes furnish and install a heavy duty timber framed boardwalk and fishing overlook with composite decking and SS cable railings supported by fiber reinforced polymer (FRP) piles along the south western edge of Cunliff Lake; furnish and install an articulating concrete block system at the boat ramp and newly configured parking area; furnish and install concrete pavement with timber guard rails to meet existing path conditions; and furnish and install plantings in the existing bioretention area and adjacent to improved boat ramp and parking.

ADD ALTERNATES include:

- **F&I Accessible Kayak Launch and Gangway**
- F&I Parking Lot Articulated Blocks (Southern Section)
- F&I Geogrid Reinforced Parking with granite cobble edge (Southern Middle and Northern Sections)
- F&I Solar Integrated Light Bollards
- F&I Solid curved benches with back rest
- F&I 6' Benches
- F&I 55 gallon trash receptacles with dome lid

In addition to stating the Total Base Bid, the bidder shall state Unit Prices for related work listed under each bid item which represents the work items included in the Total Base Bid. The Unit Prices are quoted for computing adjustments to the Base Bid prior to Contract award, as well as during the course of construction, based upon extra work ordered by the City or for work countermanded, reduced or omitted by the City in order to stay within the Project budget.

Base Bid Items and Unit prices are to be Completed prices to be added or deducted on the basis of quantities of work involved, for each item in place in the unit indicated.

All Work Included in this Project Shall be Completed for the lump sum of:

_____ Dollars
(\$ _____), **TOTAL BASE BID**

ALLOWANCE: \$50,000.00

BASE BID W/ ALLOWANCE: _____ \$

Please note that the list above is not intended to include all items required to complete the base bid scope of work but can and shall be used to adjust the contract prior to or after award – in the best interest of the City of Providence.

BIDDER: _____

ABBREVIATIONS

R&S Remove & Stockpile
R&D Remove & Dispose
D&I Deliver & Install, owner provided
F&I Furnish & Install
LS Lump Sum

EA Each
LF Linear Foot
SF Square Foot
CY Cubic Yard
TN Ton

ADD ALTERNATES:

1. Add Alt #1 – ADA Accessible Kayak Launch and Gangway- Complete - Per Lump Sum

_____ **LS** \$ _____
price in writing

2. Add Alt #2 – F&I Parking Lot Articulated Blocks (Southern Section)- Complete - Per Lump Sum

_____ **LS** \$ _____
price in writing

3. Add Alt #3 – F&I Geogrid Reinforced Parking with granite cobble edge (Southern Section)- Complete - Per Lump Sum

_____ **LS** \$ _____
price in writing

4. Add Alt #4 – F&I Geogrid Reinforced Parking with granite cobble edge (Middle and Northern Sections)- Complete - Per Lump Sum

_____ **LS** \$ _____
price in writing

5. Add Alt #5 – F&I Solar Integrated Light Bollards Complete - Per Lump Sum

_____ **LS** \$ _____
price in writing

6. Add Alt #6– F&I Solid curved benches with back rest (Surface Mount) - Per Lump Sum

_____ **LS** \$ _____
price in writing

7. Add Alt #7– F&I 6' Benches (Mount varies) - Per Lump Sum

_____ **LS** \$ _____
price in writing

8. Add Alt #8– F&I 55 gallon trash receptacles with dome lid - Per Lump Sum

_____ **LS** \$ _____
price in writing

Please note that the list above is not intended to include all items required to complete the base bid scope of work but can and shall be used to adjust the contract prior to or after award – in the best interest of the City of Providence.

BIDDER: _____

UNIT PRICES – BASE BID:

1. Mobilization and Demobilization- Per Lump Sum

_____ **LS** \$ _____
price in writing

2. F&I Temporary Tree Protection, complete. – Per Linear Foot

_____ **LF** \$ _____
price in writing

3. F&I Erosion Control Silt Sock, complete. – Per Linear Foot

_____ **LF** \$ _____
price in writing

4. F&I Temporary inlet protection, complete. – Per Each

_____ **EA** \$ _____
price in writing

5. F&I Aqua Barrier Cofferdam complete. – Per Linear Foot

_____ **LF** \$ _____
price in writing

6. F&I Turbidity Barrier. – Per Linear Foot

_____ **LF** \$ _____
price in writing

7. Sawcut Ex Asphalt pavement – Per Linear Foot

_____ **LF** \$ _____
price in writing

8. R & D cast in-place concrete curbing Per Linear Foot

_____ **LF** \$ _____
price in writing

9. Strip Turf & Remove Turf & Topsoil to +/- 16” Depth. – Per Cubic Yard

_____ **CY** \$ _____
price in writing

10. Rough Grading of Site per Grading Plan. – Per Cubic Yard

_____ **CY** \$ _____
price in writing

Please note that the list above is not intended to include all items required to complete the base bid scope of work but can and shall be used to adjust the contract prior to or after award – in the best interest of the City of Providence.

BIDDER: _____

11. F&I Boardwalk – FRP Piles, complete. – Per Each

_____ EA \$ _____
price in writing

12. F&I Boardwalk – Superstructure, complete. – Per Square Foot

_____ SF \$ _____
price in writing

13. F&I Boardwalk – composite decking, complete. – Per Linear Foot

_____ LF \$ _____
price in writing

14. F&I Boardwalk – Stainless Steel Railings, complete. – Per Linear Foot

_____ LF \$ _____
price in writing

15. F&I Wood curb mounted to Boardwalk, complete. – Per Linear Foot

_____ LF \$ _____
price in writing

16. F&I Solar Integrated Light Bollards Complete - Per Each

_____ EA \$ _____
price in writing

17. F&I 4” Permeable concrete walkway, complete. – Per Cubic Foot

_____ CF \$ _____
price in writing

18. F&I Wood guard rail, complete. – Per Linear Foot

_____ LF \$ _____
price in writing

19. F&I Boat Ramp and ADA Parking, Articulated concrete block - complete. – Per Square Foot

_____ SF \$ _____
price in writing

20. F&I Southern Parking Area, articulated concrete block - complete. – Per Square Foot

_____ SF \$ _____
price in writing

21. F&I Southern Parking Area, ¾” crushed stone - complete. – Per CY

_____ CY \$ _____
price in writing

Please note that the list above is not intended to include all items required to complete the base bid scope of work but can and shall be used to adjust the contract prior to or after award – in the best interest of the City of Providence.

BIDDER: _____

22. F&I Geogrid Reinforced Parking with granite cobble edge- Per Square Foot

_____ SF \$ _____
price in writing

23. F&I 6' Dumor TMA Bench (Mount varies) - Per Each

_____ EA \$ _____
price in writing

24. F&I Streetlife curved benches with back rest (Surface Mount) - Per Each

_____ EA \$ _____
price in writing

25. F&I 55 gallon trash receptacle with dome lid - Per Each

_____ EA \$ _____
price in writing

26. Remove and reset existing boulders at boat ramp – Per Each

_____ EA \$ _____
price in writing

27. F&I Betula nigra #3 complete. – Per Each

_____ EA \$ _____
price in writing

28. F&I Cornus sericea 'Cardinal' #3 - complete. – Per Each

_____ EA \$ _____
price in writing

29. F&I Ilex verticillate 'Afterglow' #3 - complete. – Per Each

_____ EA \$ _____
price in writing

30. F&I Rhododendron viscosum #3 - complete. – Per Each

_____ EA \$ _____
price in writing

31. F&I Viburnum dentatum #3 - complete. – Per Each

_____ EA \$ _____
price in writing

32. F&I Aster novi-beingii 'Professor Anton Kippenberg' #1- complete. – Per Each

_____ EA \$ _____
price in writing

Please note that the list above is not intended to include all items required to complete the base bid scope of work but can and shall be used to adjust the contract prior to or after award – in the best interest of the City of Providence.

BIDDER: _____

33. F&I Carex stricta #1- complete. – Per Each

_____ EA \$ _____
price in writing

34. F&I Echinacea purpurea ‘Pica Bella’ #1- complete. – Per Each

_____ EA \$ _____
price in writing

35. F&I Iris vericolor #1- complete. – Per Each

_____ EA \$ _____
price in writing

36. F&I Matteuccia struthiopteris #1- complete. – Per Each

_____ EA \$ _____
price in writing

37. F&I Panicum virgatum ‘Shenandoah’ #1- complete. – Per Each

_____ EA \$ _____
price in writing

38. F&I Sorghastrum nutans ‘Indian Steel’ #1- complete. – Per Each

_____ EA \$ _____
price in writing

39. Loam and Seed - complete – Per Square Foot

_____ SF \$ _____
price in writing

Please note that the list above is not intended to include all items required to complete the base bid scope of work but can and shall be used to adjust the contract prior to or after award – in the best interest of the City of Providence.

BIDDER: _____



**BOARD OF CONTRACT AND SUPPLY
CITY OF PROVIDENCE, RHODE ISLAND**

ADDITIONAL BID DOCUMENTS

The complete set of Bid Documents includes the pages above & the following:

- **PREVAILING WAGE DECISION**
- **SAMPLE CONTRACT**
- **TECHNICAL SPECIFICATIONS:**
 - **01 00 00 GENERAL REQUIREMENTS**
 - **01 56 39 TEMPORARY TREE AND PLANT PROTECTION**
 - **02 41 19 SELECTIVE DEMOLITION**
 - **02 48 08 ADA CANOE LAUNCH AND DOCK**
 - **03 11 00 CONCRETE FORMING**
 - **03 20 00 CONCRETE REINFORCING**
 - **03 30 00 CAST IN PLACE CONCRETE**
 - **03 30 10 PERVIOUS CONCRETE PAVEMENT**
 - **05 05 00 MISCELLANEOUS METALS**
 - **05 73 00 DECORATIVE METAL RAILINGS**
 - **06 13 00 HEAVY TIMBER CONSTRUCTION**
 - **06 73 00 COMPOSITE WOOD DECKING**
 - **31 10 00 SITE CLEARING**
 - **31 22 13 ROUGH GRADING**
 - **31 25 00 EROSION AND SEDIMENTATION CONTROLS**
 - **31 62 23 COMPOSITE PILES**
 - **32 13 73 CONCRETE PAVING JOINT SEALANTS**
 - **32 33 00 SITE FURNISHINGS**
 - **32 52 00 DEWATERING, DIVERSION, CONTROL OF WATER**
 - **32 91 13 SOIL PREPARATION**
 - **32 91 19 LANDSCAPE GRADING**
 - **32. 92 00 TURF AND GRASSES**
 - **32 93 00 PLANTS**
 - **34 71 13 VEHICLE BARRIERS**
- **TEST BORINGS LOG:**
- **DRAWINGS:**
 - **0-0 COVER**
 - **G1.01 GENERAL NOTES**
 - **C1.0 EXISTING CONDITIONS SURVEY BY MCA**
 - **C1.1 EXISTING CONDITIONS SURVEY BY MCA**
 - **C1.2 AERIAL**
 - **C2.0 EXISTING SITE AND DEMOLITION PLAN**
 - **C3.0 PROPOSED SITE PLAN**
 - **C4.0 BOAT RAMP SECTIONS AND DETAILS**

Please note that the list above is not intended to include all items required to complete the base bid scope of work but can and shall be used to adjust the contract prior to or after award – in the best interest of the City of Providence.

BIDDER: _____

- C4.1 RETAINING WALL DETAILS
- C5.0 MISCELLANEOUS DETAILS
- S1.0 OVERALL STRUCTURAL FRAMING PLAN
- S1.1 STRUCTURAL FRAMING PLAN I
- S1.2 STRUCTURAL FRAMING PLAN II
- S1.3 STRUCTURAL FRAMING PLAN III
- S2.0 STRUCTURAL DETAILS
- L1-21 HARDSCAPE PLAN
- L1-31 LAYOUT PLAN
- L3-01 DETAILS
- L3-02 DETAILS
- LP1-01 OVERALL LANDSCAPE PLAN
- LP1-21 LANDSCAPE PLAN
- LP1-22 LANDSCAPE PLAN
- LP3-01 PLANTING DETAILS

ADDITIONAL INFORMATION REQUIRED WITH BID:

- Qualifications to Perform Work – See Form Below for Information Required
- Addenda (If Any) - Must Be Acknowledged on Bid Form (Page 14)
- Product Information for Items Submitted as ‘Or Equal’ to Specified Materials

PROVISIONS OF THIS PROJECT:

- Upon the Issuance of the Award from the Board of Contract – the City shall issue a Contract to be executed by the City and the vendor incorporating the bid specifications. All Provisions of the Specifications are binding.
- Any Permits Required by the City of Providence and/or State of Rhode Island Shall be Obtained by the Vendor – Permit Fees by the City of Providence Shall be Waived – the State ADA Fee Must be Paid
- The Davis Bacon Act Applies (HUD Projects) – Prevailing Wages Must Be Paid for On Site Hours – On-Site Interviews will be Conducted During the Project – Employees Shall be Advised of the Prevailing Wage Rates Prior to Mobilization on Site
- Certified payrolls Must be Submitted With Pay Requests Including Monthly Utilizations Form
- Performance and Payment Bonds (If Required) Must be Submitted within 10 Days of Award or Bid Bond Will be Forfeited
- An Insurance Certificate Shall be Submitted to the City Within 10 Days of Award
- A Copy of the Vendors Contractor’s License Must be Submitted within 10 Days of Award
- All On-Site Personnel Shall be Licensed (If Required) and Shall have Proof of All Licenses Required by the State of Rhode Island to Perform the Work Required
- Pay Requests Must be Submitted on Approved AIA Billing Documents (City will Provide if Needed)
- All Subcontractors Shall be Listed on the Bid Form – All Insurance & Payroll Requirements Apply
 - General Contractor Shall be the Insurance Certificate Holder and the City Shall be Named as ‘Additionally Insured’ with Respect to Liability Insurance
- A Submittal Log Must be Submitted within 10 Days of Award

CLOSE OUT DOCUMENTS:

- Prior to Final Payment the Vendor Shall Provide the Following:
 - Copies of Permits Signed off and Approved (If Any)

- Operating Manuals and Warranties Shall Be Transferred and/or Delivered
- Full and Completed As-Built Drawings Shall be Submitted for Approval
- Training Shall be Provided to City Personnel (If Required)
- Certification by Manufactures Representative (If Required)

QUALIFICATIONS:

Qualifications will be evaluated on the basis of similar project experience for:

- a. Completion of at least 3 similar projects within the past five years.
- b. Size and dollar value of similar completed projects.
- c. Contractor's performance with similar projects. (references will be checked)
- d. Relevant experience of individuals assigned to the project.

Questions regarding this bid package shall be submitted via e-mail to Purchasing at purchasing@providenceri.gov and (Megan Gardner, RLA mgardner@providenceri.gov), no later than five (5) working days before the bid opening date.

SUPPLEMENTAL INFORMATION

If the issuing department for this RFP determines that your firm's bid is best suited to accommodate their need, you will be asked to provide proof of the following prior to formalizing an award.

An inability to provide the outlined items at the request of the department may lead to the disqualification of your bid.

This information is NOT requested to be provided in your initial bid that you will submit to the City Clerk's office by the "date to be opened" noted on page 1. This list only serves as a list of items that your firm should be ready to provide on request.

All bids submitted to the City Clerk become public record. Failure to follow instructions could result in information considered private being posted to the city's Open Meetings Portal and made available as a public record.

You must be able to provide:

- Business Tax ID will be requested after an award is approved by the Board of Contract and Supply.
- Proof of Insurance.
- Certificate of Good Standing with the Rhode Island Secretary of State.



**BOARD OF CONTRACT AND SUPPLY
CITY OF PROVIDENCE, RHODE ISLAND**

CITY OF PROVIDENCE STANDARD TERMS & CONDITIONS

1. The terms "you" and "your" contained herein refer to the person or entity that is a party to the agreement with the City of Providence ("the City") and to such person's or entity's employees, officers, and agents.
2. The Request For Proposals ("RFP") and these Standard Terms and Conditions together constitute the entire agreement of the parties ("the Agreement") with regard to any and all matters. By your submission of a bid proposal or response to the City's RFP, you accept these Standard Terms & Conditions and agree that they supersede any conflicting provisions provided by bid or in any terms and conditions contained or linked within a bid and/or response. Changes in the terms and conditions of the Agreement, or the scope of work thereunder, may only be made by a writing signed by the parties.
3. You are an independent contractor and in no way does this Agreement render you an employee or agent of the City or entitle you to fringe benefits, workers' compensation, pension obligations, retirement or any other employment benefits. The City shall not deduct federal or state income taxes, social security or Medicare withholdings, or any other taxes required to be deducted by an employer, and this is your responsibility to yourself and your employees and agents.
4. You shall not assign your rights and obligations under this Agreement without the prior written consent of the City. Any assignment without prior written consent of the City shall be voidable at the election of the City. The City retains the right to refuse any and all assignments in the City's sole and absolute discretion.
5. Invoices submitted to the City shall be payable sixty (60) days from the time of receipt by the City. Invoices shall include support documentation necessary to evidence completion of the work being invoiced. The City may request any other reasonable documentation in support of an invoice. The time for payment shall not commence, and invoices shall not be processed for payment, until you provide reasonably sufficient support documentation. In no circumstances shall the City be obligated to pay or shall you be entitled to receive interest on any overdue invoice or payment. In no circumstances shall the City be obligated to pay any costs associated with your collection of an outstanding invoice.
6. For contracts involving construction, alteration, and/or repair work, the provisions of applicable state labor law concerning payment of prevailing wage rates (R.I. Gen. Laws §§ 37-13-1 et seq., as amended) and the City's First Source Ordinance (Providence Code of Ordinances §§ 21-91 et seq., as amended) apply.
7. With regard to any issues, claims, or controversies that may arise under this Agreement, the City shall not be required to submit to dispute resolution or mandatory/binding arbitration. Nothing prevents the parties from mutually agreeing to settle any disputes using mediation or non-binding arbitration.
8. To the fullest extent permitted by law, you shall indemnify, defend, and hold harmless the City, its employees, officers, agents, and assigns from and against any and all claims, damages, losses, allegations, demands, actions, causes of action, suits, obligations, fines, penalties, judgments, liabilities, costs and expenses, including but not limited to attorneys' fees, of any nature whatsoever arising out of, in connection with, or resulting from the performance of the work provided in the Agreement.
9. You shall maintain throughout the term of this Agreement the insurance coverage that is required by the RFP or, if none is required in the RFP, insurance coverage that is considered in your industry to be commercially reasonable, and you agree to name the City as an additional insured on your general liability policy and on any umbrella policy you carry.
10. The City shall not subject itself to any contractual limitations on liability. The City shall have the time permitted within the applicable statute of limitations, and no less, to bring or assert any and all causes of action, suits, claims or demands the City may have arising out of, in connection with, or resulting from the performance of the work provided in the Agreement, and in no event does the City agree to limit your liability to the price of the Agreement or any other monetary limit.
11. The City may terminate this Agreement upon five (5) days' written notice to you if you fail to observe any of the terms and conditions of this Agreement, or if the City believes your ability to perform the terms and conditions of this Agreement has been materially impaired in any way, including but in no way limited to loss of insurance coverage, lapsing of a surety bond, if required, declaration of bankruptcy, or appointment of a receiver. In the event of termination by the City, you shall be entitled to just and equitable compensation for any satisfactory work completed and expenses incurred up to the date of termination.
12. Written notice hereunder shall be deemed to have been duly served if delivered in person to the individual or member of the



BOARD OF CONTRACT AND SUPPLY
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firm or entity or to an officer of the entity for whom it was intended, or if delivered at or sent by registered or certified mail to the last business address known by the party providing notice.

13. In no event shall the Agreement automatically renew or be extended without a writing signed by the parties.
14. You agree that products produced or resulting from the performance of the Agreement are the sole property of the City and may not be used by you without the express written permission of the City.
15. For any Agreement involving the sharing or exchange of data involving potentially confidential and/or personal information, you shall comply with any and all state and/or federal laws or regulations applicable to confidential and/or personal information you receive from the City, including but not limited to the Rhode Island Identity Theft Protection Act, R.I. Gen. Laws § 11-49.3-1, during the term of the Agreement. You shall implement and maintain appropriate physical, technical, and administrative security measures for the protection of, and to prevent access to, use, or disclosure of, confidential and/or personal information. In the event of a breach of such information, you shall notify the City of such breach immediately, but in no event later than twenty-four (24) hours after discovery of such breach.
16. The Agreement is governed by the laws of the State of Rhode Island. You expressly submit yourself to and agree that any and all actions arising out of, in connection with, or resulting from the performance of the Agreement or relationship between the parties shall occur solely in the venue and jurisdiction of the State of Rhode Island or the federal court located in Rhode Island.
17. The failure of the City to require performance of any provision shall not affect the City's right to require performance at any time thereafter, nor shall a waiver of any breach or default of this Agreement constitute a waiver of any subsequent breach or default or a waiver of the provision itself.
18. If any term or provision of this Agreement, or the application thereof to any person or circumstance shall, in any extent, be invalid or unenforceable, the remainder of this Agreement shall not be affected thereby, and each term and provision shall be valid and enforceable to the fullest extent permitted by law.



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PREVAILING WAGE

This project qualifies for prevailing wages per the Prevailing Wages Statute or the Davis Bacon Act (HUD). Certified payrolls will need to be submitted to the owner for all hours worked on site for this project.

The Wage Decision for this project shall be as recorded on the Bid Date and is available on the RI Department of Labor website.

Federal Labor Standards

U.S. Department of Housing & Urban Development

Applicability

The Project of Program to which the Construction work covered by this contract pertains is being assisted by the United States of America and the following Federal Labor Standards Provisions are included in this Contract pursuant to the provisions applicable to such Federal assistance.

- A.1. (i) Minimum Wages. All laborers and mechanics employed or working up on the site of the work (or under the United States Housing Act of 1937 or under the Housing Act of 1949 in the construction of development of the project) will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR Part 3), the full amount of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor and such laborers and mechanics. Contributions made or costs reasonably anticipated for bona fide fringe benefits under Section 1(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of 29 CFR 5.5(a)(1)(iv); also, regular contributions made or costs incurred for more than weekly period (but not less often than quarterly) under plans, funds, or programs, which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification or work actually performed, without regard to skill, excepts as provided in 29 CFR Part 5.5 (a)(4). Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: Provided, that the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classification and wage rates conformed under 29 CFT part 5.5(a)(1)(ii) and the Davis-Bacon poster (WH-1321) shall be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers.
- (ii) (a) Any class of laborers or mechanics which is not listed in the wage determination and which is to be employed under the contact shall be classified in conformance with the wage determination. HUD shall approve an additional classification and wage rate and fringe benefits therefore only when the following criteria have been met:
- (1) The work to be performed by the classification requested is not performed by a classification in the wage determination; and
 - (2) The classification is utilized in the area by the construction industry; and
 - (3) The proposed wage rate, including any bona fide fringe benefits, bears a relationship to the wage rates contained in the wage determination.
- (b) If the contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and HUD or its designee on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by HUD or its designee to the Administrator of the Wage and Hour Division, Employment Standards Administration, U.S. Department of labor, Washington, D.C. 20210. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of



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receipt and so advise HUD or its designee or will notify HUD or its designee within the 30-day period that additional time is necessary. (Approved by the Office of Management and Budget under OMB control number 1215-0140.)

- (c) In the event the contractor, the laborers or mechanics to be employed in the classification or their representatives, and HUD or its designee do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), HUD or its designee shall refer the questions, including the views of all interested parties and the recommendation of HUD or its designee to the Administrator for determination. The Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise HUD or its designee or will notify HUD or its designee within the 30-day period that additional time is necessary. (Approved by the Office of Management and Budget under OMB Control Number 1215-0140.)
 - (d) The wage rate (including fringe benefits where appropriate) determined pursuant to subparagraphs (1)(b) or (c) of this paragraph, shall be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.
 - (iii) Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the contractor shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.
 - (iv) If the contractor does not make payments to a trustee or other third person, the contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program, Provided, That the Secretary of Labor has found, upon the written request of the contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the contractor to set aside in a separate account assets for the meeting of obligations under the plan or program. (Approved by the Office of Management and Budget under OMB Control Number 1215-0140.)
2. Withholding. HUD or its designee shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld from the contractor under this contract or any other Federal contract with the same prime contractor, or any other Federally-assisted contract subject to Davis-Bacon prevailing wage requirements, which is held by the same prime contractor so much that the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees and helpers, employed by the contractor or any subcontractor the full amount of wages required by the contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee or helper, employed or working on the site of the work (or under the United States Housing Act of 1937 or under the Housing Act of 1949 in the construction or development of the project), all or part of the wages required by the contract. HUD or its designee may, after written notice to the contractor, sponsor, applicant, or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased. HUD or its designee may, after written notice to the contractor, disburse such amounts withheld for and on account of the contractor or subcontractor to the respective employees to whom they are due. The comptroller General shall make such disbursements in the case of direct Davis-Bacon Act contracts.
3. (i) Payrolls and basic records. Payrolls and basic record relating thereto shall be maintained by the contractor during the course of the work preserved for a period of three years thereafter for all laborers and mechanics working at the site of the work (or under the United States Housing Act of 1937, or under the Housing Act of 1949, in the construction or development of the project). Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in Section 1(b)(2)(B) of the Davis-Bacon Act), daily and weekly number of hours worked, deductions made and actual wages paid. Whenever the Secretary of labor has found under 29 CFR 5.5 (a)(1)(iv) that the wages of any laborer or mechanic include the amount of any costs reasonable anticipated in providing benefits under a plan or program described in Section 1(b)(2)(B) or the Davis-Bacon Act, the contractor shall maintain records which show that the commitment to provide such benefits ins enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs. (Approved by the Office of Management and Budget under OMB Control Numbers 1215-0140 and 1215-0017.)



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- (ii) (a) The contractor shall submit weekly for each in which any contract work is performed a copy of all payrolls to HUD or its designee if the agency is a party to the contract, but if the agency is not such a party, the contractor will submit the payrolls to the applicant, sponsor or owner, as the case may be, for transmission to HUD or its designee. The payrolls submitted shall set out accurately and completely all of the information required to be maintained under 29 CFR Part 5.5(a)(3)(i). This information may be submitted in any form desired. Optional Form WH-34 is available for this purpose and may be purchased from the Superintendent of Documents (Federal Stock Number 029-005-00014-1), Government Printing Office, Washington, Dc 20402. The prime contractor is responsible for the submission of copies of payrolls by all subcontractors. (Approved by the Office of Management and Budget under OMB Control Number 1215-0149.)
- (b) Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the contractor or his or her agent who pays or supervises the payment of the persons employed under the contract and shall certify the following:
- (1) That the payroll for the payroll period contains the information required to be maintained under 20 CFR Part 5.5 (a)(3)(i) and that such information is correct and complete;
- (2) That each laborer or mechanic (including each helper, apprentice, and trainee) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in 29 CFR Part 3;
- (3) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of work performed, as specified in the applicable wage determination incorporated into the contract.
- (c) The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirement for submission of the "Statement of Compliance" required by paragraph A.3. (ii)(b) of this section.
- (d) The falsification of any of the above certifications may subject the contractor or subcontractor to civil or criminal prosecution under Section 1001 of Title 18 and Section 231 of Title 31 of the United States Code. (iii)
- The contractor or subcontractor shall make the records required under paragraph A.3. (i) of this section available for inspection, copying, or transcription by authorized representatives of HUD or its designee or the Department of Labor, and shall permit such representatives to interview employees during working hours on the job. If the contractor or subcontractor fails to submit the required records or to make them available, HUD or its designee may, after written notice to the contractor, sponsor, applicant, or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR Part 5.12.
4. (i) Apprentices and Trainees. Apprentices. Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Bureau of Apprenticeship and Training, or with a State Apprenticeship Agency recognized by the Bureau, or if a person is employed in his or her first 90 days of probationary employment as an apprentice in such an apprentice program, who is not individually registered in the program, but who has been certified by the Bureau of Apprenticeship and Training or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice. The allowable ratio of apprentices to journeymen on the job site in any craft classification shall not be greater than the ratio permitted to the contractor as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated above, shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a contractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman's hourly rate) specified in the contractor's or subcontractor's registered program shall be observed. Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeymen hourly rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the



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applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination. In the even the Bureau of Apprenticeship and Training, or a State Apprenticeship Agency recognized by the Bureau, withdraws approval of an apprenticeship program, the contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(ii) Trainees. Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the U.S. Department of Labor, Employment and Training Administration. The ratio of trainees to journeymen on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration. Every trainee must be paid not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman wage rate on the wage determination which provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. In the event the Employment and Training Administration withdraws approval of a training program, the contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(iii) Equal employment opportunity. The utilization of apprentices, trainees and journeymen under this part shall be in conformity with the equal employment opportunity requirement of Executive Order 11246, s amended, and 29 CFR Part 30.

5. Compliance with Copeland Act requirements. The contractor shall comply with the requirements of 29 CFR Part 3, which are incorporated by reference in this contract.
6. Subcontracts. The contractor or subcontractor will insert in any subcontract the clauses contained in 29 CFR 5.5(a)(1) through (10) and such other clauses as HUD or its designee may by appropriate instructions require, and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all contract clauses in 29 CFR Part 5.5
7. Contracts termination; debarment. A breach of the contract clauses in 29 CFR 5.5 may be grounds for termination of the contract, and for debarment as a contractor as provided in 29 CFR 5.12
8. Compliance with Davis-Bacon and Related Act Requirements. All ruling and interpretations of the Davis-Bacon and Related Act contained in 29 CFR Parts 1, 3, and 5 are herein incorporated by reference in this contract.
9. Disputes concerning labor standards. Disputes arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR Parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors) and HUD or its designee, the U.S. Department of Labor, or the employees or their representatives.
10. (i) Certification of Eligibility. By entering in to this contract, the contractor certifies that neither it (nor he or she) nor any person or firm who has an interest in the contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of Section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1) or to be awarded HUD contracts or participate in HUD programs pursuant to 24 CFR part 24.
(ii) No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of Section 3(a) of the Davis-Bacon Act of 29 CFR 5.12(a)(1) or to be awarded HUD contracts or participate in HUD programs pursuant to 24 CFR Part 24.
(iii) The penalty to making false statements is prescribed in the U.S. Criminal Code, 18 U.S.C. 1001. Additionally, U.S. Criminal Code, Section 1010, Title 18, U.S.C., "Federal Housing Administration transaction", provides in part: "Whoever,



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for the purpose of ...influencing in any way the action of such Administration...makes, utter or publishes any statement, knowing the same to be false...shall be fined not more than \$5,000 or imprisoned not more than two years, or both.”

11. Complaints, Proceedings, or Testimony by Employees. No laborer or mechanic to whom the wage, salary, or other labor standards provisions of this Contract are applicable shall be discharged or in any other manner discriminated against by the Contractor or any subcontractor because such employee has filed any complaint or instituted or caused to be instituted any proceeding or has testified or is about to testify in any proceeding under or relating to the labor standards applicable under this Contract to his employer.

B. Contract Work Hours and Safety Standards Act. As used in this paragraph, the terms “laborers” and “mechanics” include watchmen and guards.

- (1) Overtime requirements. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.
- (2) Violation; liability for unpaid wages; liquidated damages. In the event of any violation of the clause set forth in subparagraph (1) or this paragraph, the contractor and any subcontractor responsible therefore shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in subparagraph (1) of this paragraph, in the sum of \$25 for each calendar day on which such individual was required or permitted to work in excess of forty hours without payment of the overtime wages required by the clause set forth in subparagraph (1) of this paragraph.
- (3) Withholding for unpaid wages for liquidated damages. HUD or its designees shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold of cause to be withheld from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contract, or any other Federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in subparagraph (2) of this paragraph.
- (4) Subcontracts. The contractor or subcontractor shall insert in any subcontracts the clauses set forth in subparagraph (1) through (4) of this paragraph and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in subparagraphs (1) through (4) of this paragraph.

C. Health and Safety

- (1) No laborer or mechanic shall be required to work in surrounding or under working conditions which are unsanitary, hazardous, or dangerous to his health and safety as determined under construction safety and health standards promulgated by the Secretary of Labor by regulation.
- (2) The Contractor shall comply with all regulations issued by the Secretary of Labor pursuant to Title 29 Part 1926 (formerly Part 1518) and failure to comply may result in imposition of sanctions pursuant to the Contract Work Hours and Safety Standards Act (Public Law 91-54, 83 Stat. 96).
- (3) The Contractor shall include the provisions of this Article in every subcontract so that such provisions will be binding on each subcontractor. The Contractor shall take such action with respect to any subcontract as the Secretary of Housing and Urban Development or the Secretary of Labor shall direct as a means of enforcing such provisions.



SECTION 02 48 08 – ADA KAYAK LAUNCH AND DOCK

PART 1.00 – GENERAL

1.01 SCOPE OF WORK

- A. Work under this section includes but is not limited to furnishing of all labor, material, and equipment necessary to install the ADA Kayak launch as indicated on the Contract Drawings or as specified herein.
- B. The principal work of this section includes, but may not be limited to the manufacturing, delivery and installation of the ADA Dock and Kayak Launch.
- C. The specification is based on the Board Safe Docks manufactured by Board Safe. This is NOT a proprietary specification, and it should be noted that "Or approved equal" applies to all products denoted herein. It is understood that all manufactures will have minor variations in configuration, appearance, and product specifications and such minor variations shall not eliminate such manufacturers as an "approved equal". It is the intent of this specification to encourage open and competitive involvement from multiple manufacturers that are able to supply similar products.

1.02 REFERENCES

- A. American Society of Civil Engineers (ASCE)
 - 1. ASCE 7-16 Minimum Design Loads for Buildings and Other Structures
- B. American Society for Testing and Materials (ASTM):
 - 1. ASTM D792 Test Method for Density and Specific Gravity of Plastic by displacement
 - 2. ASTM D746 Test Method for Bitterness Temperature of Plastics and Elastomer by Impacts
 - 3. ASTM D-732 Test Method for Shear Strength of Plastics by Punch Tool
 - 4. ASTM D5420 Test Method for Impact Resistance of Flat, Rigid Plastic Specimen
 - 5. ASTM D638 Test Method for Tensile Properties of Plastics
 - 6. ASTM D2394 Test Method for Simulated Service Testing of Wood and Wood-Based Finish Flooring
 - 7. ASTM D3029 Test Methods for Impact Resistance of Flat Rigid Plastic Specimens by Means of a Tup
- C. Rhode Island State Building Code

1.03 DESIGN LOADS

- A. Design loads shall be as indicated in the Rhode Island State Building Code and ASCE 7-16 except as otherwise specified herein.
- B. Uniform Live Load: Uniform live load for all ramp, stairs, and platform structures shall be 100 pounds per square foot (psf). Uniform live load for gangways shall be 100 psf, with deflection limited to L/180.



- C. Concentrated Live Load: In addition to the uniform live load and structure dead load, each structure shall be capable of supporting a 250-lb. load over any 2-square inch area.
- D. Float and Dock Design Standard
 - 1. Each individual dock shall provide the support of the dead load plus a specified live load of 62.5 psf.
 - 2. Each air filler pylon shall support the dead load plus a live load of 55 lbs. The volume of each pylon shall be no less than 1,540 cubic inches.
- E. Handrail Loads: All ramps shall have handrails. Handrails shall be designed to withstand the following loads:
 - 1. Concentrated load of 200 lbs. applied at any point and in any direction.
 - 2. Uniform load of 50 lbs. per linear ft. applied in any direction at the top.

1.04 SUBMITTALS

- A. Submit catalog cut and shop drawings for new ADA Dock and Kayak Launch. Drawings shall be accurately drawn to scale and completely dimensioned and shall clearly show all details, size, connections, thickness, gauge, finish and type and grade of material for all items. Drawings shall show clearly and accurately the connections and clearances to float structures to demonstrate proper orientation, size and fit, including proposed utility line routing and attachments.
- B. Submit layout drawings and details for attachment of brackets and bearing plate components.
- C. Submit manufacturer's design calculations by a registered professional engineer verifying products' ability to withstand design loads and environmental conditions specified herein. Computations shall include, but not be limited to, compliance with combined live and dead requirements considering both bending and deflection.

PART 2.00 - PRODUCTS

2.01 FLOAT AND DECK

- A. The float and deck shall be specifically designed and manufactured for the intended purpose of providing accessible kayak access.
- B. The individual floating dock section shall consist of decking surface and the float structure, which is to consist of Marine Grade 6061 or 6063 aluminum framing with plastic encapsulated foam floatation.
- C. The dock frame shall be rectangular aluminum extrusion that includes a track in top of extrusion that allows for bolting accessories such as pile guides to the top perimeter of the dock.
- D. The floating dock shall have at least 16" of freeboard and 2.5" of draft depth with no live load present.
- E. Mending plates shall be installed on the vertical face of the dock. Attachment is made to the vertical face and into hex nuts located in the top track of the 50 series extrusion.



- F. A flat aluminum threshold strip is used to attach dock sections together. The strip is to be held in place by a stainless steel bolted connection through the strip and into hex nuts located in the top track of the 50 series extrusion.
- G. The dock section shall have a cold brittleness temperature equal to or less than -130°F.
- H. The wall of the dock shall resist a shear of no less than 1,900 psi and the capacity of resisting a minimum impact of no less than 220 foot-pounds (ft-lb).
- I. The tensile strength at failure shall be no less than 2,630 psi with 12 elongation at yield.
- J. Decking shall be attached using fasteners that are mechanically attached to each corresponding deck board. Attachment at each joint is with one #10 stainless steel, self-tapping screw, placed through the fastener and into the corresponding joist.
- K. 4 inch, square aluminum tube, toe kicks shall be present on all open sides of the floating dock and shall be bolted to dock track with stainless steel bolts.
- L. The decking surface shall be composed of a composite decking surface with a span rating of 24" on center and 5/4" by 6" nominal sizing with texture for added adhesion during dry conditions. The deck shall have an approximate coefficient of friction equal to 0.35 during dry condition and 0.61 during wet conditions.
 - 1. The deck shall resist a punching shear which is no less than 1,900 psi.
 - 2. The deck shall resist a minimum impact of no less than 120 ft-lb near the center or at the point where the deck is thinnest.
 - 3. The deck shall resist a minimum impact of no less than 150 ft-lb within 16 in. of the outside of the dock.

2.03 KAYAK LAUNCH WITH ADAPATIVE BOARDING

- A. All kayak launch framing components shall be Marine Grade 6061 or 6063 aluminum and all fasteners shall be stainless steel.
- B. All floatation shall be plastic encapsulated foam and provide 16" of freeboard with no live load present.
- C. Decking shall be 12" wide, raised rib, knurled aluminum that is welded in place.
- D. Slide pads within the launch cradle shall be composite decking.
- E. The adaptive boarding kit shall be composted of a kayak roll cage, an overhead grab bar, a 4-tiered boarding bench with retractable seat, 4 hand straps suspended from the roll cage, and an instruction sign.

2.04 ANCHORAGE

- A. The dock system shall be designed to allow for the use of piling of various sizes, spud pipes, cables, or chain attached to a bottom anchor, or stiff-arm attachments for anchorage.
- B. Anchorage shall be designed by a licensed engineer in Rhode Island.



2.05 HAND RAILING ATTACHMENT

- A. The dock shall have the ability to accept railing which is constructed to meet the standard established the American with Disabilities Acts (ADA), States Organizations for Boating Access (SOBA) and the National Uniform Building Code (NUBC). The railing shall be constructed of 1.5 in. O.D., 14 gauge steel tubing. The steel tubing shall be finished either by a 0.003 in. Hot-Dip Galvanizing or by powder coating painting process.

2.06 GANGWAYS AND ACCESS

- A. All construction shall be in accordance with minimum provisions of State Organizations for Boating Access (SOBA) and the guidelines stated by "Marinas and Small Craft Harbors".
- B. Gangway and Access Ramp shall be designed to support 90 lbs. per linear foot. The deck and structural component shall be designed to support a concentrated load of 400 lbs. applied to any 12"x12" square.
- C. All framing components shall be Marine Grade 6061 or 6063 Aluminum.
- D. Supplemental floatation is required to be added to the bottom of the gangway to provide a freeboard of 16" to 18" with no live load present. Floatation at end of gangway is to be plastic encapsulated foam.
- E. Handrails shall be continuous along both sides of the walking surface and shall extend 12 in. past the walking surface on both ends. Structural truss railing to be located on both sides of the structure. The railing height shall be located at a minimum height of 42 inches. The intermediate handrail shall be located at 34 inches. The end of the handrails shall be returned into the handrail body or terminate with no sharp or catching edge.
- F. Decking shall be 12 inch wide, raised rib, knurled aluminum, welded in place, and made from marine grade appropriate materials. A 4 inch toe kick should be provided on the sides of the gangway.
- G. Integrated hinges are to be located at the top and bottom of the gangway. Hinges are to be mechanically attached; welded connections will not be permitted. 1 ¼" schedule 40 stainless steel pipe hinge pins with stainless steel hardware.
- H. Gangway seat shall be within the proposed headwall; seat shall provide an even and smooth transition. A steel angle with integrated attachment of hinges shall be used for attachment to concrete foundation. Hinges are to be mechanically attached. 1 ¼" schedule 40 pipe hinge pins with stainless steel hardware.

2.02 PRE-CAST FOUNDATION BLOCKS

- A. The foundation blocks are to be utilized to anchor the gangway to the shoreline and incorporate the bulkhead mounting angle.
- B. Excavation and grading shall be completed before base stone and the foundation blocks are placed. After placement, backfill shall be completed around the pre-cast blocks.

2.03 QUALITY CONTROL



- A. Use Contractor who is fully experienced and qualified in such work.
- B. Do not make substitutions without written approval from Engineer. If specified materials are not available, obtain approval for substitution from the Engineer or Owner.

2.04 PRODUCT DELIVERY, STORAGE, AND HANDLING

- A. Protect all products from weather, vandalism, or other damaging or deteriorating conditions.

PART 3.00 - EXECUTION

3.01 INSTALLATION

- A. Installation of the ADA Kayak Launch shall be done in a workmanlike manner. It should be the responsibility of the Contractor to handle, store and install the equipment specified in this Section in strict accordance with the manufacturer's recommendations.
- B. The Contractor shall review the installation drawing and installation instructions prior to installing the Kayak Launch.

END OF SECTION



A. SECTION 03 30 10 - PERVIOUS CONCRETE PAVEMENT

PART 1 - GENERAL

1.1 GENERAL DESCRIPTION

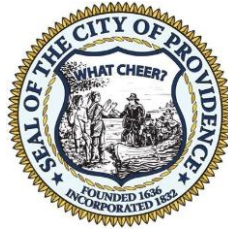
- A. The work of this Section includes subgrade preparation and installation of Portland Cement Pervious Pavement streets, sidewalks or parking areas.

1.2 DESCRIPTION OF WORK

- A. The Work to be completed under this contract includes the furnishing of all labor, materials and equipment necessary for construction of the proposed improvements in conformance with the plans and specifications.

1.3 REFERENCES

- A. American Society for Testing and Materials
1. ASTM C29 "Test for Unit Weight and Voids in Aggregate"
 2. ASTM C33 "Specification for Concrete Aggregates"
 3. ASTM C42 "Test Method for Obtaining and Testing Drilled Cores and Sawed Beams of Concrete."
 4. ASTM C117 "Test Method for Material Finer than 75 microns (No. 200) Sieve in Mineral Aggregates by Washing."
 5. ASTM C138 "Test Method for Unit Weight, Yield and Air Content (Gravimetric) of Concrete."
 6. ASTM C150 "Specifications for Portland Cement" (Types I and II only)
 7. ASTM C172 "Practice for Sampling Fresh Concrete"
 8. ASTM C260 "Specification for Air-Entraining Admixtures for Concrete"
 9. ASTM C494 "Specification for Chemical Admixtures for Concrete"
 10. ASTM C595 "Specification for Blended Hydraulic Cements" (Types IP or IS only)
 11. ASTM C618 "Specification for Coal Fly Ash and Raw or Calcined Natural Pozzolan for Use as a Mineral Admixture in Portland Cement Concrete."
 12. ASTM C989 "Specification for Ground Granulated Blast-Furnace Slag for Use in Concrete and Mortars."
 13. ASTM C1077 "Practice for Laboratories Testing Concrete and Concrete Aggregates for Use in Construction and criteria for Laboratory Evaluation."
 14. ASTM D448 "Specification for Standard Sizes of Coarse Aggregate for Highway Construction."



15. ASTM D1557 “Tests for Moisture-Density Relations of Soils and Soil Aggregate Mixtures Using 10 Pound Rammer and 18-inch Drop.”
16. ASTM E329 “Standard Recommended Practice for Inspection and testing Agencies for Concrete, Steel and Bituminous Materials as Used in Construction.”
17. American Association of State Highway and Transportation Officials (AASHTO)
18. AASHTO T-180 “Moisture-Density Relations of Soils Using a 101 pound (45.4 kg) Rammer and an 18 in. (457 mm) Drop.”

1.4 SUBMITTALS

A. Concrete Mix Design

1. Contractor shall furnish a proposed mix design with proportions of materials to Owner or Agent prior to commencement of work. Cement content shall be a minimum of 580 pounds per cubic yard, with total cementitious content to be a minimum of 630 pounds per cubic yard. Water cement ratio shall be a maximum of 0.30. The data shall include unit weights determined in accordance with ASTM C29 paragraph 11, jigging procedure. Based on the unit weight of the mix, compacted void content of the mix shall be a minimum of 10% and a maximum of 20%.

1.5 QUALITY ASSURANCE

- A. Prior to the awarding of the contract, the placing contractor shall furnish owner/engineer/architect a statement attesting to qualifications, experience, sample of workmanship and installed product (e.g. references and project addresses).
- A. B. If either the Contractor or the Pervious Concrete Producer have no prior experience with Pervious Concrete Pavement, the Contractor shall retain an experienced Consultant to supervise base preparation, production, placement, finishing and curing. Expense of the consultant shall be the responsibility of the contractor.

PART 2 - PRODUCTS

2.1 General

- A. Locally available materials having a record of satisfactory performance shall be used.

2.2 Cement

- A. Portland cement Type I or II conforming to ASTM C150 or Portland cement Type IP or IS conforming to ASTM C595



2.3 Aggregate

- A. Use 3/8 coarse aggregate that meets 3/8 to No. 16 per ASTM C33, or meeting 3/8 to No. 50 per ASTM D448. Smooth rock aggregate is recommended and has been found to perform better than crushed rock aggregates. If other gradation of aggregate is to be used, submit data on proposed material to owner for approval. Larger aggregate sizes increase pore size but decrease workability. Aggregates that are well graded reduce porosity, and may require reduction of cementitious content to meet void specifications.

2.4 Chemical Admixtures

- A. Air entraining agents shall comply with ASTM C260.
- B. Type A Water Reducing Admixtures shall comply with ASTM C494
- C. Type B Retarding Admixtures shall comply with ASTM C494
- D. Type D Water Reducing/Retarding Admixtures shall comply with ASTM C494
- E. Hydration stabilizer shall meet the requirements of ASTM C494 Type B Retarding Admixtures or Type D Water Reducing/Retarding Admixtures

2.5 Mineral Admixtures

- A. Flyash conforming to ASTM C618 may be used in amounts not to exceed 20% of total cementitious material.
- B. Ground Iron Blast-Furnace Slag conforming to ASTM C989 may be used in amounts not to exceed 50% by weight of total cementitious material.

2.6 Water

- A. Potable water shall comply with conventional local good concrete practice.

2.7 Proportions

- A. Cement Content:
 - 1. The total cementitious content shall not be less than 630 pounds per cubic yard. Portland cement content shall be at least 580 pounds per cubic yard.
 - 2. Water Cement Ratio:



- a. Maximum of 0.30
- B. Aggregate Content:
 - 1. The volume of aggregate per cubic yard shall be equal to 27 cubic foot when calculated as a function of the unit weight determined in accordance with ASTM C29 jiggling procedure. Fine aggregate, if used, shall not exceed 3 cu. ft. and shall be included in the total aggregate volume.
- C. Admixtures:
 - 1. Shall be used in accordance with the manufacturer's instructions and recommendations.
- D. Mix Water:
 - A. 1. Mix water shall be such that the cement paste displays a wet metallic sheen without causing the paste to flow from the aggregate. (Mix water yielding a cement paste with a dull-dry appearance has insufficient water for hydration).

PART 3 - EXECUTION

- 3.1 Subgrade Preparation and Form-Work
 - A. Subgrade Material: Sand Gravel Fill as specified in 31 00 00 EARTHWORK.
 - B. Subgrade Permeability:
 - 1. Subgrade shall have a reasonable level of permeability.
 - C. Subgrade Support:
 - 1. The subgrade shall be scarified to a depth of 12" and compacted by a mechanical vibratory compactor to 92 -95% of a maximum dry density as established by ASTM D1557 or AASHTO T180. Subgrade stabilization shall not be permitted.
 - 2. If fill material (embankment) is required to bring the subgrade to final elevation, it shall be clean and free of deleterious materials. It shall be placed in 8-inch maximum layers, and compacted by a mechanical vibratory compactor to a minimum density of 92% of a dry density as established by ASTM D1557 or AASHTO T180.
 - D. Subgrade Moisture:
 - 1. To avoid moisture being absorbed from the concrete mix upon placement, the subgrade shall be in a moist condition.



E. Formwork:

1. Forms may be of wood or steel and shall be the depth of the pavement. Forms shall be of sufficient strength and stability to support mechanical equipment without deformation of plan profiles following spreading, strike-off and compaction operations. Forms shall have a removable spacer of ½” to 5/8” thickness placed above the depth of pavement. The spacers are removed following placement and vibratory strike-off to allow roller compaction. Forms shall allow for tie-in to adjacent concrete via the use of fiberglass reinforced plastic (FRP) reinforcing bar.

F. Mixing, Hauling and Placing:

1. Mix Time:
 - a. Truck mixers shall be operated at the speed designated as mixing speed by the manufacturer for 75 to 100 revolutions of the drum.
2. Transportation:
 - a. The Portland cement aggregate mixture may be transported or mixed on site and shall be used within one (1) hour of the introduction of mix water, unless otherwise approved by an engineer. This time can be increased to 90 minutes when utilizing a hydration stabilizer as specified in section 2.4.4.
3. Discharge:
 - a. Each mixer will be inspected for appearance of concrete uniformity. Water may be added to obtain the required mix consistency. A minimum of 20 revolutions at the manufacturer’s designated mixing speed shall be required following the addition of any water to the mix. Discharge shall be a continuous operation and shall be completed as quickly as possible. Concrete shall be deposited as close to its final position as practicable and such that fresh concrete enters the mass of previously placed concrete.
4. Placing and Finishing:
 - a. The pervious concrete pavement will be placed to the required cross-section and shall not deviate more than +/- 3/8 inch in 10 feet from profile grade.
 - b. Unless otherwise approved by the Owner or Engineer in writing, the Contractor shall provide either slip form or form riding equipment to place the concrete. Normal placement procedures involve utilizing a mechanical vibratory screed to strike off the concrete ½” to 5/8” above final height, utilizing the form spacers described in section **3.1.5**.
 - c. Following strike-off, the spacers are removed, and the concrete shall be compacted to form level, utilizing a steel roller made from nominal 10” diameter steel pipe of ¼” thickness. The roller shall have enough weight to provide a minimum of 10 psi vertical force. This compaction secures the surface materials assuring pavement durability. Care shall be taken during compaction that sufficient compactive force is achieved without working the concrete surface enough to seal off the surface porosity.



- d. Workers shall avoid stepping on the mix immediately after its placement. Footprints can compress and force cement paste into the voids at the bottom of the slab, forming resistance to the percolation through the slab.
 - e. Any apparent defects in the surface can be carefully remedied by placing some fresh concrete into any depressions and compacting with a hand tamper.
 - f. Upon strike-off, a compactive roller will provide a minimum of 10 psi vertical force in order to secure the surface materials and assure durability. The pervious concrete pavement will be placed to the required cross-section and shall not deviate more than +/- 3/8 inch in 10 feet from profile grade.
 - g. After roller compacting and defect inspection and repair, no further finishing is performed on the concrete. Surface shall be immediately cured.
5. Curing:
- a. Note: The low water/cement ratio and high amount of exposed surface of pervious concrete makes it especially susceptible to drying out. Keeping the surface moist is critical to strength gain. Curing procedures shall begin immediately after and no longer than 20 minutes after final placement operations. The pavement surface shall be covered with a minimum of six (6) mil thick polyethylene sheet or other approved covering material. Prior to covering, a fog or light mist shall be sprayed above the surface when required due to ambient conditions (temperature, wind and humidity). The cover shall overlap all exposed edges and shall be secured to prevent dislocation due to winds or adjacent traffic conditions.
 - b. Due to the moisture required for proper hydration and strength gain, the curing cover shall remain securely in place for the suggested curing periods. The following cure times are ideal:
 - Portland Cement Type I, II or IS – **7 days minimum**
 - Portland Cement Type I or II with Class F Flyash (as part of the 630 lbs/cy minimum cementitious) or Type IP – **10 days minimum**
 - c. No truck traffic shall be allowed for 10 days.
6. Jointing:
- a. Joints shall be installed at regular intervals not to exceed 40 feet, or two times the width of the placement.
 - b. The control joints shall be installed at 1/4 the depth (to a maximum depth of 1 1/2") of the thickness of the pavement.
 - c. These joints can be installed in the plastic concrete or saw cut.
 - (1) Jointing plastic concrete.
 - (2) Joints installed in the plastic concrete are generally rolled in utilizing a small roller with a flange welded to the center.
 - (3) This type of jointing is done immediately after roller compaction and immediately prior to curing.
 - (4) Jointing hardened concrete:
If joints are saw-cut, the procedure shall begin as soon as the pavement has hardened sufficiently to prevent raveling and uncontrolled cracking (normally after 24 hours, so curing cover shall be removed and surface re-misted and securely recovered after joint sawing).
 - d. Transverse construction joints:



- e. Transverse construction joints shall be installed whenever placing is suspended for a sufficient length of time that concrete may begin to harden. In order to assure aggregate bond at construction joints, a bonding agent suitable for bonding fresh concrete to existing concrete shall be brushed, rolled or sprayed on existing pavement surface edge. Isolation (expansion) joints will not be used except when pavement is abutting slabs or other adjoining structures.
- f. Grinding:
 - (1) Upon completion of curing, concrete is to be surface ground. Surface is ground to a depth such that the surface aggregate is ground to about its midpoint.

3.2 Testing and Acceptance

- A. A minimum of one test for each day's placement of pervious concrete in accordance with ASTM C 172 and ASTM C 29 to verify unit weight shall be conducted. Delivered unit weights are to be determined in accordance with ASTM C 29 using a 0.25 cubic foot cylindrical metal measure. The measure is to be filled and compacted in accordance with ASTM C 29 paragraph 11, jigging procedure. The unit weight of the delivered concrete shall be +/- 5 pcf of the design unit weight. Based on the unit weight of the mix, compacted void content of the mix shall be a minimum of 10% and a maximum of 20%.

END OF SECTION 03 30 10



SECTION 323300 - SITE FURNISHINGS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.
 - 1. 03 30 00- Cast In- Place Concrete
 - 2. 06 73 00- Composite Decking

1.2 SUMMARY

- A. Section Includes:
 - 1. **(A) Bench**
 - 2. **(B) Trash Receptacles**
 - 3. **(C) Solar Bollards**
 - 4. **(D) Curved Bench**

1.3 ACTION SUBMITTALS

- A. Manufacturer's Literature: Submit copies of each of manufacturer's material descriptions, dimensions, details, and installation instructions for the following. Submit manufacturer's material descriptions for primer coat and finish coat.

1.4 INFORMATIONAL SUBMITTALS

- A. Complete Shop Drawings for the installation of bench and Sub Bench without back.
- B. Complete Shop Drawings for the installation of Litter/Recycle Receptacles with metal hood.
- C. Complete Shop for the installation of the Solar Bollard.

1.5 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For site furnishings to include in maintenance manuals.



- B. The Contractor shall furnish and deliver standard written manufacturer's guarantee in Owner's name covering all materials and workmanship under this Section 323300, Site Furnishings, in addition to, and not in lieu of, guarantee requirements set forth under Section 010000, GENERAL REQUIREMENTS, and other liabilities which the Contractor may have by law or other provisions of the Contract Documents.
- C. Supplier shall pay for repairs of any damage to any part of the project caused by defects in his work and for any repair to the materials or equipment caused by replacement. All repairs are to be done to the satisfaction of the Owner's Representative.
- D. Any part of the work installed under this contract requiring excessive maintenance shall be considered as being defective, and shall be replaced by the Supplier during the one year guarantee period at no cost to the Owner.

PART 2 - PRODUCTS

2.1 BENCH

- A. 6' long backless bench all benches shall be surface mounted (S-2) either to composite decking or concrete walkway. Mounting shall be per manufacturers requirements benches shall be connected with lag bolts over a structural member or through bolts into decking See plans and details for more information, Thermally Modified Red Oak slats with black supports, (model #64-203-6TMR/S-2) 6' Backless Bench with Thermally Modified Red Oak) as manufactured by Dumor, Inc P.O. Box 142 Mifflintown, PA 17059 or approved equal.

2.2 TRASH RECEPTACLES

- A. 26.5" x 36" (55 Gal) round black steel trash receptacle with dome lid (CN-2755), surface mount on concrete pad, Model # CN-R/R-55 as manufactured by Pilot Rock or approved equivalent. Color the by owner.

2.3 SOLAR LIGHT

- A. Solar light shall be 3'-3" High by 6" wide. Bollard shall be surface mounted with base plate and connected with lag bolts over a structural member or through bolts into decking. Basis of design shall be the "Prague 7 Solar Bollard" With Integral Motion Sensor, 4w LED, Type III Distribution, 3000K. Bollard shall include anchor bolts. Solar light shall be model # UPR-10062-T3-W30-XX as manufactured by Ligman.
- B. Solar light shall be equipped with a min of (1) remote solar charger programmer for solar bollards and poles. Programmer shall be applicable for selected lights and as directed by manufacturer.



2.4 CURVED BENCH

- A. Curved bench shall be the Rough and Ready Curved bench with wide Armrests as manufactured by Street life. Bench shall be Louro hardwood and have a custom inside radii of 22'-6" with a seating depth of 24" and length as noted on the construction details. Bench shall be composed of a max of 7 segments. Armrests shall be as shown in the construction details. Wood shall be FSC certified Hardwood. Legs shall have a powdercoat finish. Benches shall be surface mounted with a Pin-torx bolt mounting as supplied by manufacturer and connected with lag bolts over a structural member or through bolts into decking. Basis of design is Street Life and product information is as follows:
- a. **R&R-C-1090-60PC-LO: Curved bench, hardwood beams dimensions as shown on plans.**
 - b. **R&R-C-RBR-171PC-LO) Backrests with vertical beams, support structure powder coated**
 - c. **R&R-C-RBR-371PC-LO Backrest with vertical beams, support structure powder coated**

2.5 FABRICATION

- A. Factory Assembly: Factory assemble components to greatest extent possible to minimize field assembly. Clearly mark units for assembly in the field.

2.6 GENERAL FINISH REQUIREMENTS

- A. Appearance of Finished Work: Noticeable variations in same piece are unacceptable. Variations in appearance of adjoining components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine areas and conditions, with Installer present, for compliance with requirements for correct and level finished grade, mounting surfaces, installation tolerances, and other conditions affecting performance of the Work.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.



3.2 INSTALLATION

- A. Comply with manufacturer's written installation instructions unless more stringent requirements are indicated. Complete field assembly of site furnishings where required.
- B. All metal inserts, anchor slots, anchors, anchor bolts, fastenings, and other fastening devices, for attachment of site improvement items to pavements, except as otherwise specified under other Sections of this Specification, shall be in specified, provided, delivered installed and paid for under the work of this Section 02800, Site Furnishings.
- C. Unless otherwise indicated, install site furnishings after landscaping and paving have been completed.
- D. Free-standing site improvement items shall be set plumb and horizontal regardless of the pitch of the finished surrounding grade unless otherwise shown on the Contract Documents.
- E. The Contractor shall be responsible for timing the delivery of site improvement items so as to minimize the on-site storage time prior to installation. All stored materials are the responsibility of the Contractor and shall be protected from weather, careless handling and vandalism.
- F. Contractor shall be responsible for the correct location of site improvement items. Take particular care to maintain shapes, plumb and level during the pouring of concrete.
- G. All Work shall be accurately set to established lines and elevations and rigidly set in place to supporting construction.
- H. Install site furnishings level, plumb, true, and positioned at locations after final approval in the field by Owner's Representative.
- I. Post Setting: Set cast-in support posts in concrete footing with smooth top, shaped to shed water. Protect portion of posts above footing from concrete splatter. Verify that posts are set plumb or at correct angle and are aligned and at correct height and spacing. Hold posts in position during placement and finishing operations until concrete is sufficiently cured.

END OF SECTION 323300

"General Decision Number: RI20250001 03/14/2025

Superseded General Decision Number: RI20240001

State: Rhode Island

Construction Types: Building, Heavy (Heavy and Marine) and Highway

Counties: Rhode Island Statewide.

BUILDING CONSTRUCTION PROJECTS (does not include residential construction consisting of single family homes and apartments up to and including 4 stories) HEAVY, HIGHWAY AND MARINE CONSTRUCTION PROJECTS

Note: Contracts subject to the Davis-Bacon Act are generally required to pay at least the applicable minimum wage rate required under Executive Order 14026 or Executive Order 13658. Please note that these Executive Orders apply to covered contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but do not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(1).

<p>If the contract is entered into on or after January 30, 2022, or the contract is renewed or extended (e.g., an option is exercised) on or after January 30, 2022:</p>	<ul style="list-style-type: none"> . Executive Order 14026 generally applies to the contract. . The contractor must pay all covered workers at least \$17.75 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in 2025.
<p>If the contract was awarded on or between January 1, 2015 and January 29, 2022, and the contract is not renewed or extended on or after January 30, 2022:</p>	<ul style="list-style-type: none"> . Executive Order 13658 generally applies to the contract. . The contractor must pay all covered workers at least \$13.30 per hour (or the applicable wage rate listed on this wage determination,

	if it is higher) for all hours spent performing on that contract in 2025.
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The applicable Executive Order minimum wage rate will be adjusted annually. If this contract is covered by one of the Executive Orders and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must still submit a conformance request.

Additional information on contractor requirements and worker protections under the Executive Orders is available at <http://www.dol.gov/whd/govcontracts>.

Modification Number	Publication Date
0	01/03/2025
1	03/07/2025
2	03/14/2025

ASBE0006-006 09/01/2024

Rates	Fringes
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HAZARDOUS MATERIAL HANDLER (Includes preparation, wetting, stripping, removal scrapping, vacuuming, bagging & disposing of all insulation materials, whether they contain asbestos or not, from mechanical systems).....	\$ 49.91	36.63
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ASBE0006-008 09/01/2024

Rates	Fringes
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Asbestos Worker/Insulator Includes application of all insulating materials, protective coverings, coatings & finishes to all types of mechanical systems.	\$ 49.91	36.63
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* BOIL0029-001 01/01/2025

Rates	Fringes
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BOILERMAKER.....	\$ 50.62	28.82
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BRRIO003-001 06/01/2022

	Rates	Fringes
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Bricklayer, Stonemason, Pointer, Caulker & Cleaner.....	\$ 46.86	29.14
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BRRIO003-002 09/01/2022

	Rates	Fringes
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Marble Setter, Terrazzo Worker & Tile Setter.....	\$ 46.54	30.34
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BRRIO003-003 09/01/2022

	Rates	Fringes
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Marble, Tile & Terrazzo Finisher.....	\$ 38.78	29.61
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CARP0330-001 06/03/2024

	Rates	Fringes
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CARPENTER (Includes Soft Floor Layer).....	\$ 45.13	30.25
Diver Tender.....	\$ 44.88	30.25
DIVER.....	\$ 57.03	30.25
Piledriver.....	\$ 41.53	29.35
WELDER.....	\$ 44.88	30.25

FOOTNOTES:

When not diving or tending the diver, the diver and diver tender shall receive the piledriver rate. Diver tenders shall receive \$1.00 per hour above the pile driver rate when tending the diver.

Work on free-standing stacks, concrete silos & public utility electrical power houses, which are over 35 ft. in height when constructed: \$.50 per hour additional.

Work on exterior concrete shear wall gang forms, 45 ft. or more above ground elevation or on setback: \$.50 per hour additional.

The designated piledriver, known as the ""monkey"": \$1.00 per hour additional.

* CARP1121-002 01/06/2025

	Rates	Fringes
MILLWRIGHT.....	\$ 45.72	31.50

ELEC0099-002 06/01/2024

	Rates	Fringes
ELECTRICIAN.....	\$ 52.11	47.25%
Teledata System Installer.....	\$ 39.09	11.02%+15.31

FOOTNOTES:

Work of a hazardous nature, or where the work height is 30 ft. or more from the floor, except when working OSHA-approved lifts: 20% per hour additional.

Work in tunnels below ground level in combined sewer outfall: 20% per hour additional.

* ELEV0039-001 01/01/2025

	Rates	Fringes
ELEVATOR MECHANIC.....	\$ 64.52	38.435+a+b

FOOTNOTES:

a. PAID HOLIDAYS: New Years Day; Memorial Day; Independence Day; Labor Day; Veterans' Day; Thanksgiving Day; the Friday after Thanksgiving Day; and Christmas Day.

b. Employer contributes 8% basic hourly rate for 5 years or more of service of 6% basic hourly rate for 6 months to 5 years of service as vacation pay credit.

ENGI0057-001 12/01/2024

Rates	Fringes
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Operating Engineer: (power plants, sewer treatment plants, pumping stations, tunnels, caissons, piers, docks, bridges, wind turbines, subterranean & other marine and heavy construction work)

GROUP 1.....	\$ 49.05	29.70
GROUP 2.....	\$ 47.05	29.70
GROUP 3.....	\$ 42.67	29.70
GROUP 4.....	\$ 39.82	29.70
GROUP 5.....	\$ 46.10	29.70
GROUP 6.....	\$ 36.90	29.70
GROUP 7.....	\$ 30.90	29.70
GROUP 8.....	\$ 42.75	29.70
GROUP 9.....	\$ 46.67	29.70

a. BOOM LENGTHS, INCLUDING JIBS:

150 feet and over + \$ 2.00
 180 feet and over + \$ 3.00
 210 feet and over + \$ 4.00
 240 feet and over + \$ 5.00
 270 feet and over + \$ 7.00
 300 feet and over + \$ 8.00
 350 feet and over + \$ 9.00
 400 feet and over + \$10.00

a. PAID HOLIDAYS:

New Year's Day, President's Day, Memorial Day, July Fourth, Victory Day, Labor Day, Columbus Day, Veterans Day, Thanksgiving Day, Christmas Day. a: Any employee who works 3 days in the week in which a holiday falls shall be paid for the holiday.

a. FOOTNOTES:

Hazmat work: \$2.00 per hour additional.
 Tunnel/Shaft work: \$5.00 per hour additional.

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Cranes, lighters, boom trucks and derricks

GROUP 2: Digging machine, Ross Carrier, locomotive, hoist, elevator, bidwell-type machine, shot & water blasting machine, paver, spreader, graders, front end loader (3 yds. and over), vibratory hammer & vacuum truck, roadheaders,

forklifts, econobile type equipment, tunnel boring machines, concrete pump and on site concrete plants.

GROUP 3: Oilers on cranes.

GROUP 4: Oiler on crawler backhoe.

GROUP 5: Bulldozer, bobcats, skid steer loader, tractor, scraper, combination loader backhoe, roller, front end loader (less than 3 yds.), street and mobile-powered sweeper (3-yd. capacity), 8-ft. sweeper minimum 65 HP).

GROUP 6: Well-point installation crew.

GROUP 7: Utility Engineers and Signal Persons

GROUP 8: Heater, concrete mixer, stone crusher, welding machine, generator and light plant, gas and electric driven pump and air compressor.

GROUP 9: Boat & tug operator.

ENGI0057-003 12/01/2024

BUILDING CONSTRUCTION

	Rates	Fringes
Power Equipment Operator		
GROUP 1.....	\$ 48.32	28.45
GROUP 2.....	\$ 46.32	28.45
GROUP 3.....	\$ 46.10	28.45
GROUP 4.....	\$ 42.10	28.45
GROUP 5.....	\$ 39.25	28.45
GROUP 6.....	\$ 45.40	28.45
GROUP 7.....	\$ 44.97	28.45
GROUP 8.....	\$ 42.29	28.45

a. BOOM LENGTHS, INCLUDING JIBS:

150 ft. and over: + \$ 2.00
 180 ft. and over: + \$ 3.00
 210 ft. and over: + \$ 4.00
 240 ft. and over: + \$ 5.00
 270 ft. and over: + \$ 7.00
 300 ft. and over: + \$ 8.00
 350 ft. and over: + \$ 9.00
 400 ft. and over: + \$10.00

a. PAID HOLIDAYS: New Year's Day, President's Day, Memorial Day, July Fourth, Victory Day, Labor Day, Columbus Day, Veterans Day, Thanksgiving Day & Christmas Day. a: Any employee who works 3 days in the week in which a holiday falls shall be paid for the holiday.

a. FOOTNOTE: Hazmat work: \$2.00 per hour additional.
Tunnel/Shaft work: \$5.00 per hour additional.

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Cranes, lighters, boom trucks and derricks.

GROUP 2: Digging machine, Ross carrier, locomotive, hoist, elevator, bidwell-type machine, shot & water blasting machine, paver, spreader, front end loader (3 yds. and over), vibratory hammer and vacuum truck

GROUP 3: Telehandler equipment, forklift, concrete pump & on-site concrete plant

GROUP 4: Fireman & oiler on cranes

GROUP 5: Oiler on crawler backhoe

GROUP 6: Bulldozer, skid steer loaders, bobcats, tractor, grader, scraper, combination loader backhoe, roller, front end loader (less than 3 yds.), street and mobile powered sweeper (3 yds. capacity), 8-ft. sweeper (minimum 65 hp)

GROUP 7: Well point installation crew

GROUP 8: Heater, concrete mixer, stone crusher, welding machine, generator for light plant, gas and electric driven pump & air compressor

ENGI0057-005 11/01/2024

Rates

Fringes

Power Equipment Operator
(highway construction
projects; water and sewerline
projects which are incidental
to highway construction
projects; and bridge projects

that do not span water)

GROUP 1.....	\$ 44.20	29.45
GROUP 2.....	\$ 42.20	29.45
GROUP 3.....	\$ 36.90	29.45
GROUP 4.....	\$ 23.50	29.45
GROUP 5.....	\$ 30.90	29.45
GROUP 6.....	\$ 37.48	29.45
GROUP 7.....	\$ 41.18	29.45
GROUP 8.....	\$ 36.45	29.45

a. FOOTNOTE: a. Any employee who works three days in the week in which a holiday falls shall be paid for the holiday.

b. PAID HOLIDAYS: New Year's Day, President's Day, Memorial Day, July Fourth, Victory Day, Labor Day, Columbus Day, Veterans Day, Thanksgiving Day & Christmas Day.

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Cranes, pile drivers, lighters, boom trucks, hoists, derricks

GROUP 2: Digging machines, excavators, locomotives, John Henry's, directional drilling machines, cold planers, reclaimers, pavers, spreaders, graders, front-end loaders (3yds & over), vacuum truck, drill/boring machine operators, vermeer saw, water blaster, hydraulic-demolition robot, Ross Carriers, concrete pump operators, asphalt/material transfer machines, rotating telehandlers, SPMT type equipment

GROUP 3: Wellpoint installation and drill/boring machine assistants

GROUP 4: Utility engineers

GROUP 5: Signal persons

GROUP 6: Oilers on cranes and deckhands

GROUP 7: Combination loader / backhoes, front-end loaders (less than 3 yds.), forklift, bulldozers, scrapers, boats, rollers, skid steer loaders (regardless of attachments), street sweepers, mechanics, welders, operators in materials yards, shops and garages

GROUP 8: Gas and electric drive heaters, concrete mixers, light plants, welding machines, pumps and compressors

IRON0037-001 09/16/2024

	Rates	Fringes
IRONWORKER.....	\$ 41.59	32.98

LABO0271-001 12/03/2023

BUILDING CONSTRUCTION

	Rates	Fringes
LABORER		
GROUP 1.....	\$ 37.00	26.90
GROUP 2.....	\$ 37.00	26.90
GROUP 3.....	\$ 37.00	26.90
GROUP 4.....	\$ 37.00	26.90
GROUP 5.....	\$ 39.00	26.90

LABORERS CLASSIFICATIONS

GROUP 1: Laborer, Carpenter Tender, Mason Tender, Cement Finisher Tender, Scaffold Erector, Wrecking Laborer, Asbestos Removal [Non-Mechanical Systems]

GROUP 2: Asphalt Raker, Adzemen, Pipe Trench Bracer, Demolition Burner, Chain Saw Operator, Fence & Guard Rail Erector, Setter of Metal Forms for Roadways, Mortar Mixer, Pipelayer, Riprap & Dry Stonewall Builder, Highway Stone Spreader, Pneumatic Tool Operator, Wagon Drill Operator, Tree Trimmer, Barco-Type Jumping Tamper, Mechanical Grinder Operator

GROUP 3: Pre-Cast Floor & Roof Plank Erectors

GROUP 4: Air Track Operator, Hydraulic & Similar Self-Powered Drill, Block Paver, Rammer, Curb Setter, Powderman & Blaster

GROUP 5: Toxic Waste Remover

LABORERS CLASSIFICATIONS

GROUP 1: Laborer, Carpenter Tender, Mason Tender, Cement Finisher Tender, Scaffold Erector, Wrecking Laborer, Asbestos Removal [Non-Mechanical Systems]

GROUP 2: Asphalt Raker, Adzemen, Pipe Trench Bracer, Demolition Burner, Chain Saw Operator, Fence & Guard Rail Erector, Setter of Metal Forms for Roadways, Mortar Mixer, Pipelayer, Riprap & Dry Stonewall Builder, Highway Stone

Spreader, Pneumatic Tool Operator, Wagon Drill Operator,
Tree Trimmer, Barco-Type Jumping Tamper, Mechanical Grinder
Operator

GROUP 3: Pre-Cast Floor & Roof Plank Erectors

GROUP 4: Air Track Operator, Hydraulic & Similar Self-Powered
Drill, Block Paver, Rammer, Curb Setter, Powderman & Blaster

GROUP 5: Toxic Waste Remover

LAB00271-002 11/27/2022

HEAVY AND HIGHWAY CONSTRUCTION

	Rates	Fringes
LABORER		
COMPRESSED AIR		
Group 1.....	\$ 55.40	24.15
Group 2.....	\$ 52.93	24.15
Group 3.....	\$ 42.45	24.15
FREE AIR		
Group 1.....	\$ 46.00	24.15
Group 2.....	\$ 45.00	24.15
Group 3.....	\$ 42.45	24.15
LABORER		
Group 1.....	\$ 33.05	24.05
Group 2.....	\$ 35.75	24.85
Group 3.....	\$ 36.50	24.85
Group 4.....	\$ 29.00	24.85
Group 5.....	\$ 37.50	24.85
OPEN AIR CAISSON, UNDERPINNING WORK AND BORING CREW		
Bottom Man.....	\$ 41.50	24.15
Top Man & Laborer.....	\$ 35.60	24.15
TEST BORING		
Driller.....	\$ 41.95	24.15
Laborer.....	\$ 41.95	24.15
LABORER CLASSIFICATIONS		

GROUP 1: Laborer; Carpenter tender; Cement finisher tender;
Wrecking laborer; Asbestos removers [non-mechanical systems];
Plant laborer; Driller in quarries

GROUP 2: Adzeperson; Asphalt raker; Barcotype jumping tamper;
Chain saw operators; Concrete and power buggy operator;

Concrete saw operator; Demolition burner; Fence and guard rail erector; Highway stone spreader; Laser beam operator; Mechanical grinder operator; Mason tender; Mortar mixer; Pneumatic tool operator; Riprap and dry stonewall builder; Scaffold erector; Setter of metal forms for roadways; Wagon drill operator; Wood chipper operator; Pipelayer; Pipe trench bracer

GROUP 3: Air track drill operator; Hydraulic and similar powered drills; Brick paver; Block paver; Rammer and curb setter; Powderperson and blaster

GROUP 4: Flagger & signaler

GROUP 5: Toxic waste remover

LABORER - COMPRESSED AIR CLASSIFICATIONS

GROUP 1: Mucking machine operator, tunnel laborer, brake person, track person, miner, grout person, lock tender, gauge tender, miner: motor person & all others in compressed air

GROUP 2: Change house attendant, powder watchperson, top person on iron

GROUP 3: Hazardous waste work within the ""HOT"" zone

LABORER - FREE AIR CLASSIFICATIONS

GROUP 1: Grout person - pumps, brake person, track person, form mover & stripper (wood & steel), shaft laborer, laborer topside, outside motorperson, miner, conveyor operator, miner welder, heading motorperson, erecting operator, mucking machine operator, nozzle person, rodperson, safety miner, shaft & tunnel, steel & rodperson, mole nipper, concrete worker, form erector (wood, steel and all accessories), cement finisher (this type of work only), top signal person, bottom person (when heading is 50' from shaft), burner, shield operator and TBM operator

GROUP 2: Change house attendant, powder watchperson

GROUP 3: Hazardous waste work within the ""HOT"" zone

LABORER CLASSIFICATIONS

GROUP 1: Laborer; Carpenter tender; Cement finisher tender; Wrecking laborer; Asbestos removers [non-mechanical systems]; Plant laborer; Driller in quarries

GROUP 2: Adzeperson; Asphalt raker; Barcotype jumping tamper; Chain saw operators; Concrete and power buggy operator; Concrete saw operator; Demolition burner; Fence and guard rail erector; Highway stone spreader; Laser beam operator; Mechanical grinder operator; Mason tender; Mortar mixer; Pneumatic tool operator; Riprap and dry stonewall builder; Scaffold erector; Setter of metal forms for roadways; Wagon drill operator; Wood chipper operator; Pipelayer; Pipe trench bracer

GROUP 3: Air track drill operator; Hydraulic and similar powered drills; Brick paver; Block paver; Rammer and curb setter; Powderperson and blaster

GROUP 4: Flagger & signaler

GROUP 5: Toxic waste remover

LABORER - COMPRESSED AIR CLASSIFICATIONS

GROUP 1: Mucking machine operator, tunnel laborer, brake person, track person, miner, grout person, lock tender, gauge tender, miner: motor person & all others in compressed air

GROUP 2: Change house attendant, powder watchperson, top person on iron

GROUP 3: Hazardous waste work within the ""HOT"" zone

LABORER - FREE AIR CLASSIFICATIONS

GROUP 1: Grout person - pumps, brake person, track person, form mover & stripper (wood & steel), shaft laborer, laborer topside, outside motorperson, miner, conveyor operator, miner welder, heading motorperson, erecting operator, mucking machine operator, nozzle person, rodperson, safety miner, shaft & tunnel, steel & rodperson, mole nipper, concrete worker, form erector (wood, steel and all accessories), cement finisher (this type of work only), top signal person, bottom person (when heading is 50' from shaft), burner, shield operator and TBM operator

GROUP 2: Change house attendant, powder watchperson

GROUP 3: Hazardous waste work within the ""HOT"" zone

 PAIN0011-005 06/01/2024

	Rates	Fringes
PAINTER		
Brush and Roller.....	\$ 38.07	25.80
Epoxy, Tanks, Towers, Swing Stage & Structural Steel.....	\$ 40.07	25.80
Spray, Sand & Water Blasting.....	\$ 41.07	25.80
Taper.....	\$ 38.82	25.80
Wall Coverer.....	\$ 38.57	25.80

PAIN0011-006 06/01/2024

	Rates	Fringes
GLAZIER.....	\$ 41.63	26.15

FOOTNOTES:

SWING STAGE: \$1.00 per hour additional.

PAID HOLIDAYS: Labor Day & Christmas Day.

 PAIN0011-011 06/01/2024

	Rates	Fringes
Painter (Bridge Work).....	\$ 57.85	26.40

PAIN0035-008 06/01/2011

	Rates	Fringes
Sign Painter.....	\$ 24.79	13.72

* PLAS0040-001 01/01/2025

BUILDING CONSTRUCTION

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER...	\$ 44.75	29.10

FOOTNOTE: Cement Mason: Work on free swinging scaffolds under

3 planks width and which is 20 or more feet above ground
and any offset structure: \$.30 per hour additional.

* PLAS0040-002 01/01/2025

HEAVY AND HIGHWAY CONSTRUCTION

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER...	\$ 44.75	29.10

* PLAS0040-003 01/01/2025

	Rates	Fringes
PLASTERER.....	\$ 45.52	29.43

PLUM0051-002 08/26/2024

	Rates	Fringes
Plumbers and Pipefitters.....	\$ 52.49	33.60

ROOF0033-004 12/01/2024

	Rates	Fringes
ROOFER.....	\$ 45.77	31.01

SFRI0669-001 01/01/2025

	Rates	Fringes
SPRINKLER FITTER.....	\$ 49.98	33.44

SHEE0017-002 12/01/2024

	Rates	Fringes
Sheet Metal Worker.....	\$ 43.69	41.14

TEAM0251-001 05/01/2024

HEAVY AND HIGHWAY CONSTRUCTION

	Rates	Fringes
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TRUCK DRIVER

GROUP 1.....	\$ 30.71	36.9125+A+B
GROUP 2.....	\$ 30.86	36.9125+A+B
GROUP 3.....	\$ 30.91	36.9125+A+B
GROUP 4.....	\$ 30.96	36.9125+A+B
GROUP 5.....	\$ 31.06	36.9125+A+B
GROUP 6.....	\$ 31.46	36.9125+A+B
GROUP 7.....	\$ 31.66	36.9125+A+B
GROUP 8.....	\$ 31.16	36.9125+A+B
GROUP 9.....	\$ 31.41	36.9125+A+B
GROUP 10.....	\$ 31.21	36.9125+A+B

FOOTNOTES:

A. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day, plus Presidents' Day, Columbus Day, Veteran's Day & V-J Day, providing the employee has worked at least one day in the calendar week in which the holiday falls.

B. Employee who has been on the payroll for 1 year or more but less than 5 years and has worked 150 Days during the last year of employment shall receive 1 week's paid vacation; 5 to 10 years - 2 weeks' paid vacation; 10 or more years - 3 week's paid vacation.

C. Employees on the seniority list shall be paid a one hundred dollar (\$100.00) bonus for every four hundred (400) hours worked, up to a maximum of five hundred dollars (\$500.00)

All drivers working on a defined hazard material job site shall be paid a premium of \$2.00 per hour over applicable rate.

TRUCK DRIVER CLASSIFICATIONS

GROUP 1: Pick-up trucks, station wagons, & panel trucks

GROUP 2: Two-axle on low beds

GROUP 3: Two-axle dump truck

GROUP 4: Three-axle dump truck

GROUP 5: Four- and five-axle equipment

GROUP 6: Low-bed or boom trailer.

GROUP 7: Trailers when used on a double hook up (pulling 2

trailers)

GROUP 8: Special earth-moving equipment, under 35 tons

GROUP 9: Special earth-moving equipment, 35 tons or over

GROUP 10: Tractor trailer

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at <https://www.dol.gov/agencies/whd/government-contracts>.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (iii)).

The body of each wage determination lists the classifications and wage rates that have been found to be prevailing for the type(s) of construction and geographic area covered by the wage determination. The classifications are listed in alphabetical order under rate identifiers indicating whether the particular rate is a union rate (current union negotiated rate), a survey rate, a weighted union average rate, a state adopted rate, or a

supplemental classification rate.

Union Rate Identifiers

A four-letter identifier beginning with characters other than ""SU"", ""UAVG"", ?SA?, or ?SC? denotes that a union rate was prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2024. PLUM is an identifier of the union whose collectively bargained rate prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. The date, 07/01/2024 in the example, is the effective date of the most current negotiated rate.

Union prevailing wage rates are updated to reflect all changes over time that are reported to WHD in the rates in the collective bargaining agreement (CBA) governing the classification.

Union Average Rate Identifiers

The UAVG identifier indicates that no single rate prevailed for those classifications, but that 100% of the data reported for the classifications reflected union rates. EXAMPLE: UAVG-OH-0010 01/01/2024. UAVG indicates that the rate is a weighted union average rate. OH indicates the State of Ohio. The next number, 0010 in the example, is an internal number used in producing the wage determination. The date, 01/01/2024 in the example, indicates the date the wage determination was updated to reflect the most current union average rate.

A UAVG rate will be updated once a year, usually in January, to reflect a weighted average of the current rates in the collective bargaining agreements on which the rate is based.

Survey Rate Identifiers

The ""SU"" identifier indicates that either a single non-union rate prevailed (as defined in 29 CFR 1.2) for this classification in the survey or that the rate was derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As a weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SUFL2022-007 6/27/2024. SU indicates the rate is a single non-union prevailing rate or a weighted average of survey data for that

classification. FL indicates the State of Florida. 2022 is the year of the survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. The date, 6/27/2024 in the example, indicates the survey completion date for the classifications and rates under that identifier.

?SU? wage rates typically remain in effect until a new survey is conducted. However, the Wage and Hour Division (WHD) has the discretion to update such rates under 29 CFR 1.6(c)(1).

State Adopted Rate Identifiers

The ""SA"" identifier indicates that the classifications and prevailing wage rates set by a state (or local) government were adopted under 29 C.F.R 1.3(g)-(h). Example: SAME2023-007 01/03/2024. SA reflects that the rates are state adopted. ME refers to the State of Maine. 2023 is the year during which the state completed the survey on which the listed classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. The date, 01/03/2024 in the example, reflects the date on which the classifications and rates under the ?SA? identifier took effect under state law in the state from which the rates were adopted.

WAGE DETERMINATION APPEALS PROCESS

1) Has there been an initial decision in the matter? This can be:

- a) a survey underlying a wage determination
- b) an existing published wage determination
- c) an initial WHD letter setting forth a position on a wage determination matter
- d) an initial conformance (additional classification and rate) determination

On survey related matters, initial contact, including requests for summaries of surveys, should be directed to the WHD Branch of Wage Surveys. Requests can be submitted via email to davisbaconinfo@dol.gov or by mail to:

Branch of Wage Surveys
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.

Washington, DC 20210

Regarding any other wage determination matter such as conformance decisions, requests for initial decisions should be directed to the WHD Branch of Construction Wage Determinations. Requests can be submitted via email to BCWD-Office@dol.gov or by mail to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2) If an initial decision has been issued, then any interested party (those affected by the action) that disagrees with the decision can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Requests for review and reconsideration can be submitted via email to dba.reconsideration@dol.gov or by mail to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210.

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END OF GENERAL DECISION"

Sign-In Sheet

Non-Mandatory Pre-Bid Meeting

Tuesday, April 8, 2025 at 11:00 AM – Maple Avenue Past Temple to Music (Site)

Project: Cunliff Lake Boardwalk at Roger Williams Park

NAME	COMPANY	E-MAIL	PHONE
Megan Gardner	PVP Parks	mgardner@providenceri.gov	401-248-5024
Ellie Lange	Pave Corp	elange@pavecorp.com	980 220 0558
Leah Simonelli	Pearson Maine	lsimonelli@pearsonmaine.com	401 962 1261
CHRIS SEGER	MTLL CITY CONSTRUCTION	CSEGER@MTLL-CITY.COM	401-766-3100
Chris Reynolds	Durbin Masonry	ESTIMATING@DURBINMASONRY.COM	401-506-5062
Angel Gould	Bentley Builders	agould@BentleyCompanies.com	401-632-2452
Huan Wang	Traverse Landscape Architects	hwang@traversela.com	434-422-2886
Todd Turcotte	Pave Corp.	turcotte@pavecorp.com	401.334.4100

PROVIDENCE PARKS DEPARTMENT



WENDY NILSSON
Superintendent of Parks

BRETT P. SMILEY
Mayor

Pre-Bid Meeting – Non-Mandatory

Date: Tuesday April 8, 2025 @ 11:00 am (Site)
Project: Cunliff Lake Boardwalk at Roger Williams Park #48734
Bid Due: Monday April 21, 2025 2:15 pm,

Agenda:

1. Bid Documents, Plans & Specifications – Any Issues?
 - a. **Addenda**
2. Funding – CIP, RIDEM, RIIB
 - a. Braided Funding – Only Requires One Invoice Copy
3. Bid Bond, Performance & Payment Bonds – **Required**
4. MBE/WBE Utilization – 10% MBE/10% WBE – Submit All Paperwork
 - a. Regardless of whether sub-contractors are utilized, the MBE/WBE Waiver Request Form needs to be signed by the MBE/WBE Outreach Director.
 - b. The form needs to be sent to mbe-wbe@providenceri.gov for a signature prior to submitting the bid
 - c. The Parks Department encourages all vendors to seek qualified MBE/WBE Sub-Contractors for utilization on this project
5. Apprenticeship Requirements
 - a. Construction contracts of \$100,000 or more requires that no less than 15% of the total labor hours performed by contractors and subcontractors on any given project are to be completed by apprentices registered in state-registered apprenticeship programs.
 - b. This requirement pertains to all labor hours for a given project, not just those for new hires.
6. “First Source” Requirements
 - a. When hiring new workers for a construction project, employers seek to hire Providence residents when available.
 - b. If the awarded contractor, regardless of tier, is a signatory to a Collective Bargaining Agreement that governs the contractor’s hiring and referral process, the contractor must contact both Building Futures and the local hiring halls to request apprentices or journey workers who are residents of Providence.
7. Retainage
 - a. 5% will be held from Pay Requests until project completion
 - b. Reduction at Substantial Completion (85%) to 2.5%
 - c. Additional 3% held for out of state contractors
8. Insurance Certificate
 - a. Issue after Award
 - b. Shall include: Project Name, City of Providence (and Funder) as ‘Additionally Insured on a primary but non-contributing basis for General Liability Insurance per Written Contract or Agreement’
9. Permits
 - a. Contractor’s responsibility to seek out if permit is needed
 - b. The City Permit Fee will be Waived (contact when submitting)
 - c. State ADA fee is not waived (only applicable if permit is required)

PROVIDENCE PARKS DEPARTMENT
1000 Elmwood Avenue, Providence, RI 02905
Phone: 401-680-7201



WENDY NILSSON
Superintendent of Parks

BRETT P. SMILEY
Mayor

10. Prevailing Wage Requirements
 - a. Wage Decision in RFP (Date of Bid Opening)
 - b. Certified Payrolls to be Submitted with Pay Requisitions
11. Sub-Contractor Utilization Form
 - a. Submitted with Pay Requests
12. Submittals
 - a. Need Written Approval prior to purchase of Materials
 - b. Substitutions must include 'Side by Side Comparison'
13. Schedule of Values / Sequence of Work
 - a. Submitted prior to mobilization
 - b. City expects a Continuous Operation (No Demobilizations)
 - c. Liquidated Damages – Not Included
14. Working Hours
 - a. Monday – Friday 7:00 am – 4:00 pm
 - b. Weekends or Extended Hours – Requires Pre-Approval
15. Job Site Conduct
 - a. Parks are smoke free 'No Smoking'
 - b. No Loud Music
 - c. Equipment and Vehicles – In working Order – No Leaks
16. Pay Requests
 - a. Submit by last Tuesday of the month (Approved original)
 - b. Certified Payrolls need to accompany pay requests or they will not be processed
17. Waiver of Lien or Release
 - a. May be Required with certain funding sources for all suppliers and sub-contractors
18. Site Restrictions
 - a. Access is limited to certain areas
 - b. Deliveries must be coordinated with project manager
 - c. Contractor has control of the site from mobilization and until demobilization
 - d. Owner will be allowed access at all times

Questions regarding this bid package shall be submitted via e-mail to Purchasing at purchasing@providenceri.gov and **contact below**, no later than five (5) working days before the bid opening date.

Parks Department Contact Information

Project Manager

Megan Gardner, RLA, Project Manager
mgardner@providenceri.gov
Office #401.680.7243 / cell #401.248.5044

PROVIDENCE PARKS DEPARTMENT
1000 Elmwood Avenue, Providence, RI 02905
Phone: 401-680-7201

BID PACKAGE SPECIFICATIONS

Project Description:

With the goal of enhancing boating and fishing opportunities in historic Roger Williams Park, the City of Providence Parks Department is seeking qualified bidders to construct a new timber framed boardwalk with fishing overlook and to improve the existing boat ramp at the edge of Cunliff Lake. As the only location offering a public boat launch, Cunliff Lake is the largest water body within the 435 acre park. The boat ramps' current condition is subject to flooding and poses accessibility challenges. The work will also serve to redirect pedestrian circulation and improve safety between vehicles, bikers and pedestrians. In addition, improved stormwater management will be achieved by introducing additional native plantings to the existing bioretention area that to be protected from foot traffic via the boardwalk and timber guardrails. Site amenities including boardwalk lighting, site furnishings and additional permeable parking spaces are listed as add alternates.

BASE BID: The Base Bid scope of work for this project shall include, but not be limited to the following: Following regulations within the RIDEM Freshwater Wetlands Permit, the scope includes furnish and install a heavy duty timber framed boardwalk and fishing overlook with composite decking and SS cable railings supported by fiber reinforced polymer (FRP) piles along the south western edge of Cunliff Lake; furnish and install an articulating concrete block system at the boat ramp and newly configured parking area; furnish and install concrete pavement with timber guard rails to meet existing path conditions; and furnish and install plantings in the existing bioretention area and adjacent to improved boat ramp and parking.

ADD ALTERNATES include:

- **F&I Accessible Kayak Launch and Gangway**
- F&I Parking Lot Articulated Blocks (Southern Section)
- F&I Geogrid Reinforced Parking with granite cobble edge (Southern Middle and Northern Sections)
- F&I Solar Integrated Light Bollards
- F&I Solid curved benches with back rest
- F&I 6' Benches
- F&I 55 gallon trash receptacles with dome lid

In addition to stating the Total Base Bid, the bidder shall state Unit Prices for related work listed under each bid item which represents the work items included in the Total Base Bid. The Unit Prices are quoted for computing adjustments to the Base Bid prior to Contract award, as well as during the course of construction, based upon extra work ordered by the City or for work countermanded, reduced or omitted by the City in order to stay within the Project budget.

Base Bid Items and Unit prices are to be Completed prices to be added or deducted on the basis of quantities of work involved, for each item in place in the unit indicated.

All Work Included in this Project Shall be Completed for the lump sum of:

_____ Dollars
(\$ _____), **TOTAL BASE BID**

ALLOWANCE: \$50,000.00

BASE BID W/ ALLOWANCE: \$

Please note that the list above is not intended to include all items required to complete the base bid scope of work but can and shall be used to adjust the contract prior to or after award – in the best interest of the City of Providence.

BIDDER: _____

ABBREVIATIONS

R&S Remove & Stockpile
R&D Remove & Dispose
D&I Deliver & Install, owner provided
F&I Furnish & Install
LS Lump Sum

EA Each
LF Linear Foot
SF Square Foot
CY Cubic Yard
TN Ton

ADD ALTERNATES:

1. Add Alt #1 – ADA Accessible Kayak Launch and Gangway- Complete - Per Lump Sum

_____ **LS** \$ _____
price in writing

2. Add Alt #2 – F&I Parking Lot Articulated Blocks (Southern Section)- Complete - Per Lump Sum

_____ **LS** \$ _____
price in writing

3. Add Alt #3 – F&I Geogrid Reinforced Parking with granite cobble edge (Southern Section)- Complete - Per Lump Sum

_____ **LS** \$ _____
price in writing

4. Add Alt #4 – F&I Geogrid Reinforced Parking with granite cobble edge (Middle and Northern Sections)- Complete - Per Lump Sum

_____ **LS** \$ _____
price in writing

5. Add Alt #5 – F&I Solar Integrated Light Bollards Complete - Per Lump Sum

_____ **LS** \$ _____
price in writing

6. Add Alt #6– F&I Solid curved benches with back rest (Surface Mount) - Per Lump Sum

_____ **LS** \$ _____
price in writing

7. Add Alt #7– F&I 6' Benches (Mount varies) - Per Lump Sum

_____ **LS** \$ _____
price in writing

8. Add Alt #8– F&I 55 gallon trash receptacles with dome lid - Per Lump Sum

_____ **LS** \$ _____
price in writing

Please note that the list above is not intended to include all items required to complete the base bid scope of work but can and shall be used to adjust the contract prior to or after award – in the best interest of the City of Providence.

BIDDER: _____

UNIT PRICES – BASE BID:

1. Mobilization and Demobilization- Per Lump Sum

_____ **LS** \$ _____
price in writing

2. F&I Temporary Tree Protection, complete. – Per Linear Foot

_____ **LF** \$ _____
price in writing

3. F&I Erosion Control Silt Sock, complete. – Per Linear Foot

_____ **LF** \$ _____
price in writing

4. F&I Temporary inlet protection, complete. – Per Each

_____ **EA** \$ _____
price in writing

5. F&I Aqua Barrier Cofferdam complete. – Per Linear Foot

_____ **LF** \$ _____
price in writing

6. F&I Turbidity Barrier. – Per Linear Foot

_____ **LF** \$ _____
price in writing

7. Sawcut Ex Asphalt pavement – Per Linear Foot

_____ **LF** \$ _____
price in writing

8. R & D cast in-place concrete curbing Per Linear Foot

_____ **LF** \$ _____
price in writing

9. Strip Turf & Remove Turf & Topsoil to +/- 16” Depth. – Per Cubic Yard

_____ **CY** \$ _____
price in writing

10. Rough Grading of Site per Grading Plan. – Per Cubic Yard

_____ **CY** \$ _____
price in writing

Please note that the list above is not intended to include all items required to complete the base bid scope of work but can and shall be used to adjust the contract prior to or after award – in the best interest of the City of Providence.

BIDDER: _____

11. F&I Boardwalk – FRP Piles, complete. – Per Each

_____ EA \$ _____
price in writing

12. F&I Boardwalk – Superstructure, complete. – Per Square Foot

_____ SF \$ _____
price in writing

13. F&I Boardwalk – composite decking, complete. – Per Linear Foot

_____ LF \$ _____
price in writing

14. F&I Boardwalk – Stainless Steel Railings, complete. – Per Linear Foot

_____ LF \$ _____
price in writing

15. F&I Wood curb mounted to Boardwalk, complete. – Per Linear Foot

_____ LF \$ _____
price in writing

16. F&I Solar Integrated Light Bollards Complete - Per Each

_____ EA \$ _____
price in writing

17. F&I 4” Permeable concrete walkway, complete. – Per Cubic Foot

_____ CF \$ _____
price in writing

18. F&I Wood guard rail, complete. – Per Linear Foot

_____ LF \$ _____
price in writing

19. F&I Boat Ramp and ADA Parking, Articulated concrete block - complete. – Per Square Foot

_____ SF \$ _____
price in writing

20. F&I Southern Parking Area, articulated concrete block - complete. – Per Square Foot

_____ SF \$ _____
price in writing

21. F&I Southern Parking Area, ¾” crushed stone - complete. – Per CY

_____ CY \$ _____
price in writing

Please note that the list above is not intended to include all items required to complete the base bid scope of work but can and shall be used to adjust the contract prior to or after award – in the best interest of the City of Providence.

BIDDER: _____

22. F&I Geogrid Reinforced Parking with granite cobble edge- Per Square Foot

_____ SF \$ _____
price in writing

23. F&I 6' Dumor TMA Bench (Mount varies) - Per Each

_____ EA \$ _____
price in writing

24. F&I Streetlife curved benches with back rest (Surface Mount) - Per Each

_____ EA \$ _____
price in writing

25. F&I 55 gallon trash receptacle with dome lid - Per Each

_____ EA \$ _____
price in writing

26. Remove and reset existing boulders at boat ramp – Per Each

_____ EA \$ _____
price in writing

27. F&I Betula nigra #3 complete. – Per Each

_____ EA \$ _____
price in writing

28. F&I Cornus sericea 'Cardinal' #3 - complete. – Per Each

_____ EA \$ _____
price in writing

29. F&I Ilex verticillate 'Afterglow' #3 - complete. – Per Each

_____ EA \$ _____
price in writing

30. F&I Rhododendron viscosum #3 - complete. – Per Each

_____ EA \$ _____
price in writing

31. F&I Viburnum dentatum #3 - complete. – Per Each

_____ EA \$ _____
price in writing

32. F&I Aster novi-beingii 'Professor Anton Kippenberg' #1- complete. – Per Each

_____ EA \$ _____
price in writing

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BIDDER: _____

33. F&I Carex stricta #1- complete. – Per Each

_____ EA \$ _____
price in writing

34. F&I Echinacea purpurea ‘Pica Bella’ #1- complete. – Per Each

_____ EA \$ _____
price in writing

35. F&I Iris vericolor #1- complete. – Per Each

_____ EA \$ _____
price in writing

36. F&I Matteuccia struthiopteris #1- complete. – Per Each

_____ EA \$ _____
price in writing

37. F&I Panicum virgatum ‘Shenandoah’ #1- complete. – Per Each

_____ EA \$ _____
price in writing

38. F&I Sorghastrum nutans ‘Indian Steel’ #1- complete. – Per Each

_____ EA \$ _____
price in writing

39. Loam and Seed - complete – Per Square Foot

_____ SF \$ _____
price in writing

Please note that the list above is not intended to include all items required to complete the base bid scope of work but can and shall be used to adjust the contract prior to or after award – in the best interest of the City of Providence.

BIDDER: _____



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ADDITIONAL BID DOCUMENTS

The complete set of Bid Documents includes the pages above & the following:

- **PREVAILING WAGE DECISION**
- **SAMPLE CONTRACT**
- **TECHNICAL SPECIFICATIONS:**
 - **01 00 00 GENERAL REQUIREMENTS**
 - **01 56 39 TEMPORARY TREE AND PLANT PROTECTION**
 - **02 41 19 SELECTIVE DEMOLITION**
 - **02 48 08 ADA CANOE LAUNCH AND DOCK**
 - **03 11 00 CONCRETE FORMING**
 - **03 20 00 CONCRETE REINFORCING**
 - **03 30 00 CAST IN PLACE CONCRETE**
 - **03 30 10 PERVIOUS CONCRETE PAVEMENT**
 - **05 05 00 MISCELLANEOUS METALS**
 - **05 73 00 DECORATIVE METAL RAILINGS**
 - **06 13 00 HEAVY TIMBER CONSTRUCTION**
 - **06 73 00 COMPOSITE WOOD DECKING**
 - **31 10 00 SITE CLEARING**
 - **31 22 13 ROUGH GRADING**
 - **31 25 00 EROSION AND SEDIMENTATION CONTROLS**
 - **31 62 23 COMPOSITE PILES**
 - **32 13 73 CONCRETE PAVING JOINT SEALANTS**
 - **32 33 00 SITE FURNISHINGS**
 - **32 52 00 DEWATERING, DIVERSION, CONTROL OF WATER**
 - **32 91 13 SOIL PREPARATION**
 - **32 91 19 LANDSCAPE GRADING**
 - **32. 92 00 TURF AND GRASSES**
 - **32 93 00 PLANTS**
 - **34 71 13 VEHICLE BARRIERS**
- **TEST BORINGS LOG:**
- **DRAWINGS:**
 - **0-0 COVER**
 - **G1.01 GENERAL NOTES**
 - **C1.0 EXISTING CONDITIONS SURVEY BY MCA**
 - **C1.1 EXISTING CONDITIONS SURVEY BY MCA**
 - **C1.2 AERIAL**
 - **C2.0 EXISTING SITE AND DEMOLITION PLAN**
 - **C3.0 PROPOSED SITE PLAN**
 - **C4.0 BOAT RAMP SECTIONS AND DETAILS**

Please note that the list above is not intended to include all items required to complete the base bid scope of work but can and shall be used to adjust the contract prior to or after award – in the best interest of the City of Providence.

BIDDER: _____

- C4.1 RETAINING WALL DETAILS
- C5.0 MISCELLANEOUS DETAILS
- S1.0 OVERALL STRUCTURAL FRAMING PLAN
- S1.1 STRUCTURAL FRAMING PLAN I
- S1.2 STRUCTURAL FRAMING PLAN II
- S1.3 STRUCTURAL FRAMING PLAN III
- S2.0 STRUCTURAL DETAILS
- L1-21 HARDSCAPE PLAN
- L1-31 LAYOUT PLAN
- L3-01 DETAILS
- L3-02 DETAILS
- LP1-01 OVERALL LANDSCAPE PLAN
- LP1-21 LANDSCAPE PLAN
- LP1-22 LANDSCAPE PLAN
- LP3-01 PLANTING DETAILS

ADDITIONAL INFORMATION REQUIRED WITH BID:

- Qualifications to Perform Work – See Form Below for Information Required
- Addenda (If Any) - Must Be Acknowledged on Bid Form (Page 14)
- Product Information for Items Submitted as ‘Or Equal’ to Specified Materials

PROVISIONS OF THIS PROJECT:

- Upon the Issuance of the Award from the Board of Contract – the City shall issue a Contract to be executed by the City and the vendor incorporating the bid specifications. All Provisions of the Specifications are binding.
- Any Permits Required by the City of Providence and/or State of Rhode Island Shall be Obtained by the Vendor – Permit Fees by the City of Providence Shall be Waived – the State ADA Fee Must be Paid
- The Davis Bacon Act Applies (HUD Projects) – Prevailing Wages Must Be Paid for On Site Hours – On-Site Interviews will be Conducted During the Project – Employees Shall be Advised of the Prevailing Wage Rates Prior to Mobilization on Site
- Certified payrolls Must be Submitted With Pay Requests Including Monthly Utilizations Form
- Performance and Payment Bonds (If Required) Must be Submitted within 10 Days of Award or Bid Bond Will be Forfeited
- An Insurance Certificate Shall be Submitted to the City Within 10 Days of Award
- A Copy of the Vendors Contractor’s License Must be Submitted within 10 Days of Award
- All On-Site Personnel Shall be Licensed (If Required) and Shall have Proof of All Licenses Required by the State of Rhode Island to Perform the Work Required
- Pay Requests Must be Submitted on Approved AIA Billing Documents (City will Provide if Needed)
- All Subcontractors Shall be Listed on the Bid Form – All Insurance & Payroll Requirements Apply
 - General Contractor Shall be the Insurance Certificate Holder and the City Shall be Named as ‘Additionally Insured’ with Respect to Liability Insurance
- A Submittal Log Must be Submitted within 10 Days of Award

CLOSE OUT DOCUMENTS:

- Prior to Final Payment the Vendor Shall Provide the Following:
 - Copies of Permits Signed off and Approved (If Any)

- Operating Manuals and Warranties Shall Be Transferred and/or Delivered
- Full and Completed As-Built Drawings Shall be Submitted for Approval
- Training Shall be Provided to City Personnel (If Required)
- Certification by Manufactures Representative (If Required)

QUALIFICATIONS:

Qualifications will be evaluated on the basis of similar project experience for:

- a. Completion of at least 3 similar projects within the past five years.
- b. Size and dollar value of similar completed projects.
- c. Contractor's performance with similar projects. (references will be checked)
- d. Relevant experience of individuals assigned to the project.

Questions regarding this bid package shall be submitted via e-mail to Purchasing at purchasing@providenceri.gov and (Megan Gardner, RLA mgardner@providenceri.gov), no later than five (5) working days before the bid opening date.

SUPPLEMENTAL INFORMATION

If the issuing department for this RFP determines that your firm's bid is best suited to accommodate their need, you will be asked to provide proof of the following prior to formalizing an award.

An inability to provide the outlined items at the request of the department may lead to the disqualification of your bid.

This information is NOT requested to be provided in your initial bid that you will submit to the City Clerk's office by the "date to be opened" noted on page 1. This list only serves as a list of items that your firm should be ready to provide on request.

All bids submitted to the City Clerk become public record. Failure to follow instructions could result in information considered private being posted to the city's Open Meetings Portal and made available as a public record.

You must be able to provide:

- Business Tax ID will be requested after an award is approved by the Board of Contract and Supply.
- Proof of Insurance.
- Certificate of Good Standing with the Rhode Island Secretary of State.



**BOARD OF CONTRACT AND SUPPLY
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CITY OF PROVIDENCE STANDARD TERMS & CONDITIONS

1. The terms "you" and "your" contained herein refer to the person or entity that is a party to the agreement with the City of Providence ("the City") and to such person's or entity's employees, officers, and agents.
2. The Request For Proposals ("RFP") and these Standard Terms and Conditions together constitute the entire agreement of the parties ("the Agreement") with regard to any and all matters. By your submission of a bid proposal or response to the City's RFP, you accept these Standard Terms & Conditions and agree that they supersede any conflicting provisions provided by bid or in any terms and conditions contained or linked within a bid and/or response. Changes in the terms and conditions of the Agreement, or the scope of work thereunder, may only be made by a writing signed by the parties.
3. You are an independent contractor and in no way does this Agreement render you an employee or agent of the City or entitle you to fringe benefits, workers' compensation, pension obligations, retirement or any other employment benefits. The City shall not deduct federal or state income taxes, social security or Medicare withholdings, or any other taxes required to be deducted by an employer, and this is your responsibility to yourself and your employees and agents.
4. You shall not assign your rights and obligations under this Agreement without the prior written consent of the City. Any assignment without prior written consent of the City shall be voidable at the election of the City. The City retains the right to refuse any and all assignments in the City's sole and absolute discretion.
5. Invoices submitted to the City shall be payable sixty (60) days from the time of receipt by the City. Invoices shall include support documentation necessary to evidence completion of the work being invoiced. The City may request any other reasonable documentation in support of an invoice. The time for payment shall not commence, and invoices shall not be processed for payment, until you provide reasonably sufficient support documentation. In no circumstances shall the City be obligated to pay or shall you be entitled to receive interest on any overdue invoice or payment. In no circumstances shall the City be obligated to pay any costs associated with your collection of an outstanding invoice.
6. For contracts involving construction, alteration, and/or repair work, the provisions of applicable state labor law concerning payment of prevailing wage rates (R.I. Gen. Laws §§ 37-13-1 et seq., as amended) and the City's First Source Ordinance (Providence Code of Ordinances §§ 21-91 et seq., as amended) apply.
7. With regard to any issues, claims, or controversies that may arise under this Agreement, the City shall not be required to submit to dispute resolution or mandatory/binding arbitration. Nothing prevents the parties from mutually agreeing to settle any disputes using mediation or non-binding arbitration.
8. To the fullest extent permitted by law, you shall indemnify, defend, and hold harmless the City, its employees, officers, agents, and assigns from and against any and all claims, damages, losses, allegations, demands, actions, causes of action, suits, obligations, fines, penalties, judgments, liabilities, costs and expenses, including but not limited to attorneys' fees, of any nature whatsoever arising out of, in connection with, or resulting from the performance of the work provided in the Agreement.
9. You shall maintain throughout the term of this Agreement the insurance coverage that is required by the RFP or, if none is required in the RFP, insurance coverage that is considered in your industry to be commercially reasonable, and you agree to name the City as an additional insured on your general liability policy and on any umbrella policy you carry.
10. The City shall not subject itself to any contractual limitations on liability. The City shall have the time permitted within the applicable statute of limitations, and no less, to bring or assert any and all causes of action, suits, claims or demands the City may have arising out of, in connection with, or resulting from the performance of the work provided in the Agreement, and in no event does the City agree to limit your liability to the price of the Agreement or any other monetary limit.
11. The City may terminate this Agreement upon five (5) days' written notice to you if you fail to observe any of the terms and conditions of this Agreement, or if the City believes your ability to perform the terms and conditions of this Agreement has been materially impaired in any way, including but in no way limited to loss of insurance coverage, lapsing of a surety bond, if required, declaration of bankruptcy, or appointment of a receiver. In the event of termination by the City, you shall be entitled to just and equitable compensation for any satisfactory work completed and expenses incurred up to the date of termination.
12. Written notice hereunder shall be deemed to have been duly served if delivered in person to the individual or member of the



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firm or entity or to an officer of the entity for whom it was intended, or if delivered at or sent by registered or certified mail to the last business address known by the party providing notice.

13. In no event shall the Agreement automatically renew or be extended without a writing signed by the parties.
14. You agree that products produced or resulting from the performance of the Agreement are the sole property of the City and may not be used by you without the express written permission of the City.
15. For any Agreement involving the sharing or exchange of data involving potentially confidential and/or personal information, you shall comply with any and all state and/or federal laws or regulations applicable to confidential and/or personal information you receive from the City, including but not limited to the Rhode Island Identity Theft Protection Act, R.I. Gen. Laws § 11-49.3-1, during the term of the Agreement. You shall implement and maintain appropriate physical, technical, and administrative security measures for the protection of, and to prevent access to, use, or disclosure of, confidential and/or personal information. In the event of a breach of such information, you shall notify the City of such breach immediately, but in no event later than twenty-four (24) hours after discovery of such breach.
16. The Agreement is governed by the laws of the State of Rhode Island. You expressly submit yourself to and agree that any and all actions arising out of, in connection with, or resulting from the performance of the Agreement or relationship between the parties shall occur solely in the venue and jurisdiction of the State of Rhode Island or the federal court located in Rhode Island.
17. The failure of the City to require performance of any provision shall not affect the City's right to require performance at any time thereafter, nor shall a waiver of any breach or default of this Agreement constitute a waiver of any subsequent breach or default or a waiver of the provision itself.
18. If any term or provision of this Agreement, or the application thereof to any person or circumstance shall, in any extent, be invalid or unenforceable, the remainder of this Agreement shall not be affected thereby, and each term and provision shall be valid and enforceable to the fullest extent permitted by law.



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PREVAILING WAGE

This project qualifies for prevailing wages per the Prevailing Wages Statute or the Davis Bacon Act (HUD). Certified payrolls will need to be submitted to the owner for all hours worked on site for this project.

The Wage Decision for this project shall be as recorded on the Bid Date and is available on the RI Department of Labor website.

Federal Labor Standards

U.S. Department of Housing & Urban Development

Applicability

The Project of Program to which the Construction work covered by this contract pertains is being assisted by the United States of America and the following Federal Labor Standards Provisions are included in this Contract pursuant to the provisions applicable to such Federal assistance.

- A.1. (i) Minimum Wages. All laborers and mechanics employed or working up on the site of the work (or under the United States Housing Act of 1937 or under the Housing Act of 1949 in the construction of development of the project) will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR Part 3), the full amount of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor and such laborers and mechanics. Contributions made or costs reasonably anticipated for bona fide fringe benefits under Section 1(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of 29 CFR 5.5(a)(1)(iv); also, regular contributions made or costs incurred for more than weekly period (but not less often than quarterly) under plans, funds, or programs, which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification or work actually performed, without regard to skill, excepts as provided in 29 CFR Part 5.5 (a)(4). Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: Provided, that the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classification and wage rates conformed under 29 CFT part 5.5(a)(1)(ii) and the Davis-Bacon poster (WH-1321) shall be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers.
- (ii) (a) Any class of laborers or mechanics which is not listed in the wage determination and which is to be employed under the contact shall be classified in conformance with the wage determination. HUD shall approve an additional classification and wage rate and fringe benefits therefore only when the following criteria have been met:
- (1) The work to be performed by the classification requested is not performed by a classification in the wage determination; and
 - (2) The classification is utilized in the area by the construction industry; and
 - (3) The proposed wage rate, including any bona fide fringe benefits, bears a relationship to the wage rates contained in the wage determination.
- (b) If the contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and HUD or its designee on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by HUD or its designee to the Administrator of the Wage and Hour Division, Employment Standards Administration, U.S. Department of labor, Washington, D.C. 20210. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of



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receipt and so advise HUD or its designee or will notify HUD or its designee within the 30-day period that additional time is necessary. (Approved by the Office of Management and Budget under OMB control number 1215-0140.)

- (c) In the event the contractor, the laborers or mechanics to be employed in the classification or their representatives, and HUD or its designee do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), HUD or its designee shall refer the questions, including the views of all interested parties and the recommendation of HUD or its designee to the Administrator for determination. The Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise HUD or its designee or will notify HUD or its designee within the 30-day period that additional time is necessary. (Approved by the Office of Management and Budget under OMB Control Number 1215-0140.)
 - (d) The wage rate (including fringe benefits where appropriate) determined pursuant to subparagraphs (1)(b) or (c) of this paragraph, shall be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.
 - (iii) Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the contractor shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.
 - (iv) If the contractor does not make payments to a trustee or other third person, the contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program, Provided, That the Secretary of Labor has found, upon the written request of the contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the contractor to set aside in a separate account assets for the meeting of obligations under the plan or program. (Approved by the Office of Management and Budget under OMB Control Number 1215-0140.)
2. Withholding. HUD or its designee shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld from the contractor under this contract or any other Federal contract with the same prime contractor, or any other Federally-assisted contract subject to Davis-Bacon prevailing wage requirements, which is held by the same prime contractor so much that the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees and helpers, employed by the contractor or any subcontractor the full amount of wages required by the contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee or helper, employed or working on the site of the work (or under the United States Housing Act of 1937 or under the Housing Act of 1949 in the construction or development of the project), all or part of the wages required by the contract. HUD or its designee may, after written notice to the contractor, sponsor, applicant, or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased. HUD or its designee may, after written notice to the contractor, disburse such amounts withheld for and on account of the contractor or subcontractor to the respective employees to whom they are due. The comptroller General shall make such disbursements in the case of direct Davis-Bacon Act contracts.
3. (i) Payrolls and basic records. Payrolls and basic record relating thereto shall be maintained by the contractor during the course of the work preserved for a period of three years thereafter for all laborers and mechanics working at the site of the work (or under the United States Housing Act of 1937, or under the Housing Act of 1949, in the construction or development of the project). Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in Section 1(b)(2)(B) of the Davis-Bacon Act), daily and weekly number of hours worked, deductions made and actual wages paid. Whenever the Secretary of labor has found under 29 CFR 5.5 (a)(1)(iv) that the wages of any laborer or mechanic include the amount of any costs reasonable anticipated in providing benefits under a plan or program described in Section 1(b)(2)(B) or the Davis-Bacon Act, the contractor shall maintain records which show that the commitment to provide such benefits ins enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs. (Approved by the Office of Management and Budget under OMB Control Numbers 1215-0140 and 1215-0017.)



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- (ii) (a) The contractor shall submit weekly for each in which any contract work is performed a copy of all payrolls to HUD or its designee if the agency is a party to the contract, but if the agency is not such a party, the contractor will submit the payrolls to the applicant, sponsor or owner, as the case may be, for transmission to HUD or its designee. The payrolls submitted shall set out accurately and completely all of the information required to be maintained under 29 CFR Part 5.5(a)(3)(i). This information may be submitted in any form desired. Optional Form WH-34 is available for this purpose and may be purchased from the Superintendent of Documents (Federal Stock Number 029-005-00014-1), Government Printing Office, Washington, Dc 20402. The prime contractor is responsible for the submission of copies of payrolls by all subcontractors. (Approved by the Office of Management and Budget under OMB Control Number 1215-0149.)
- (b) Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the contractor or his or her agent who pays or supervises the payment of the persons employed under the contract and shall certify the following:
- (1) That the payroll for the payroll period contains the information required to be maintained under 20 CFR Part 5.5 (a)(3)(i) and that such information is correct and complete;
- (2) That each laborer or mechanic (including each helper, apprentice, and trainee) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in 29 CFR Part 3;
- (3) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of work performed, as specified in the applicable wage determination incorporated into the contract.
- (c) The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirement for submission of the "Statement of Compliance" required by paragraph A.3. (ii)(b) of this section.
- (d) The falsification of any of the above certifications may subject the contractor or subcontractor to civil or criminal prosecution under Section 1001 of Title 18 and Section 231 of Title 31 of the United States Code. (iii)
The contractor or subcontractor shall make the records required under paragraph A.3. (i) of this section available for inspection, copying, or transcription by authorized representatives of HUD or its designee or the Department of Labor, and shall permit such representatives to interview employees during working hours on the job. If the contractor or subcontractor fails to submit the required records or to make them available, HUD or its designee may, after written notice to the contractor, sponsor, applicant, or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR Part 5.12.
4. (i) Apprentices and Trainees. Apprentices. Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Bureau of Apprenticeship and Training, or with a State Apprenticeship Agency recognized by the Bureau, or if a person is employed in his or her first 90 days of probationary employment as an apprentice in such an apprentice program, who is not individually registered in the program, but who has been certified by the Bureau of Apprenticeship and Training or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice. The allowable ratio of apprentices to journeymen on the job site in any craft classification shall not be greater than the ratio permitted to the contractor as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated above, shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a contractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman's hourly rate) specified in the contractor's or subcontractor's registered program shall be observed. Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeymen hourly rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the



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applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination. In the even the Bureau of Apprenticeship and Training, or a State Apprenticeship Agency recognized by the Bureau, withdraws approval of an apprenticeship program, the contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(ii) Trainees. Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the U.S. Department of Labor, Employment and Training Administration. The ratio of trainees to journeymen on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration. Every trainee must be paid not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman wage rate on the wage determination which provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. In the event the Employment and Training Administration withdraws approval of a training program, the contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(iii) Equal employment opportunity. The utilization of apprentices, trainees and journeymen under this part shall be in conformity with the equal employment opportunity requirement of Executive Order 11246, as amended, and 29 CFR Part 30.

5. Compliance with Copeland Act requirements. The contractor shall comply with the requirements of 29 CFR Part 3, which are incorporated by reference in this contract.
6. Subcontracts. The contractor or subcontractor will insert in any subcontract the clauses contained in 29 CFR 5.5(a)(1) through (10) and such other clauses as HUD or its designee may by appropriate instructions require, and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all contract clauses in 29 CFR Part 5.5
7. Contracts termination; debarment. A breach of the contract clauses in 29 CFR 5.5 may be grounds for termination of the contract, and for debarment as a contractor as provided in 29 CFR 5.12
8. Compliance with Davis-Bacon and Related Act Requirements. All ruling and interpretations of the Davis-Bacon and Related Act contained in 29 CFR Parts 1, 3, and 5 are herein incorporated by reference in this contract.
9. Disputes concerning labor standards. Disputes arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR Parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors) and HUD or its designee, the U.S. Department of Labor, or the employees or their representatives.
10. (i) Certification of Eligibility. By entering in to this contract, the contractor certifies that neither it (nor he or she) nor any person or firm who has an interest in the contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of Section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1) or to be awarded HUD contracts or participate in HUD programs pursuant to 24 CFR part 24.
(ii) No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of Section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1) or to be awarded HUD contracts or participate in HUD programs pursuant to 24 CFR Part 24.
(iii) The penalty to making false statements is prescribed in the U.S. Criminal Code, 18 U.S.C. 1001. Additionally, U.S. Criminal Code, Section 1010, Title 18, U.S.C., "Federal Housing Administration transaction", provides in part: "Whoever,



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for the purpose of ...influencing in any way the action of such Administration...makes, utter or publishes any statement, knowing the same to be false...shall be fined not more than \$5,000 or imprisoned not more than two years, or both.”

11. Complaints, Proceedings, or Testimony by Employees. No laborer or mechanic to whom the wage, salary, or other labor standards provisions of this Contract are applicable shall be discharged or in any other manner discriminated against by the Contractor or any subcontractor because such employee has filed any complaint or instituted or caused to be instituted any proceeding or has testified or is about to testify in any proceeding under or relating to the labor standards applicable under this Contract to his employer.

B. Contract Work Hours and Safety Standards Act. As used in this paragraph, the terms “laborers” and “mechanics” include watchmen and guards.

- (1) Overtime requirements. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.
- (2) Violation; liability for unpaid wages; liquidated damages. In the event of any violation of the clause set forth in subparagraph (1) or this paragraph, the contractor and any subcontractor responsible therefore shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in subparagraph (1) of this paragraph, in the sum of \$25 for each calendar day on which such individual was required or permitted to work in excess of forty hours without payment of the overtime wages required by the clause set forth in subparagraph (1) of this paragraph.
- (3) Withholding for unpaid wages for liquidated damages. HUD or its designees shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold of cause to be withheld from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contract, or any other Federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in subparagraph (2) of this paragraph.
- (4) Subcontracts. The contractor or subcontractor shall insert in any subcontracts the clauses set forth in subparagraph (1) through (4) of this paragraph and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in subparagraphs (1) through (4) of this paragraph.

C. Health and Safety

- (1) No laborer or mechanic shall be required to work in surrounding or under working conditions which are unsanitary, hazardous, or dangerous to his health and safety as determined under construction safety and health standards promulgated by the Secretary of Labor by regulation.
- (2) The Contractor shall comply with all regulations issued by the Secretary of Labor pursuant to Title 29 Part 1926 (formerly Part 1518) and failure to comply may result in imposition of sanctions pursuant to the Contract Work Hours and Safety Standards Act (Public Law 91-54, 83 Stat. 96).
- (3) The Contractor shall include the provisions of this Article in every subcontract so that such provisions will be binding on each subcontractor. The Contractor shall take such action with respect to any subcontract as the Secretary of Housing and Urban Development or the Secretary of Labor shall direct as a means of enforcing such provisions.



SECTION 02 48 08 – ADA KAYAK LAUNCH AND DOCK

PART 1.00 – GENERAL

1.01 SCOPE OF WORK

- A. Work under this section includes but is not limited to furnishing of all labor, material, and equipment necessary to install the ADA Kayak launch as indicated on the Contract Drawings or as specified herein.
- B. The principal work of this section includes, but may not be limited to the manufacturing, delivery and installation of the ADA Dock and Kayak Launch.
- C. The specification is based on the Board Safe Docks manufactured by Board Safe. This is NOT a proprietary specification, and it should be noted that "Or approved equal" applies to all products denoted herein. It is understood that all manufactures will have minor variations in configuration, appearance, and product specifications and such minor variations shall not eliminate such manufacturers as an "approved equal". It is the intent of this specification to encourage open and competitive involvement from multiple manufacturers that are able to supply similar products.

1.02 REFERENCES

- A. American Society of Civil Engineers (ASCE)
 - 1. ASCE 7-16 Minimum Design Loads for Buildings and Other Structures
- B. American Society for Testing and Materials (ASTM):
 - 1. ASTM D792 Test Method for Density and Specific Gravity of Plastic by displacement
 - 2. ASTM D746 Test Method for Bitterness Temperature of Plastics and Elastomer by Impacts
 - 3. ASTM D-732 Test Method for Shear Strength of Plastics by Punch Tool
 - 4. ASTM D5420 Test Method for Impact Resistance of Flat, Rigid Plastic Specimen
 - 5. ASTM D638 Test Method for Tensile Properties of Plastics
 - 6. ASTM D2394 Test Method for Simulated Service Testing of Wood and Wood-Based Finish Flooring
 - 7. ASTM D3029 Test Methods for Impact Resistance of Flat Rigid Plastic Specimens by Means of a Tup
- C. Rhode Island State Building Code

1.03 DESIGN LOADS

- A. Design loads shall be as indicated in the Rhode Island State Building Code and ASCE 7-16 except as otherwise specified herein.
- B. Uniform Live Load: Uniform live load for all ramp, stairs, and platform structures shall be 100 pounds per square foot (psf). Uniform live load for gangways shall be 100 psf, with deflection limited to L/180.



- C. Concentrated Live Load: In addition to the uniform live load and structure dead load, each structure shall be capable of supporting a 250-lb. load over any 2-square inch area.
- D. Float and Dock Design Standard
 - 1. Each individual dock shall provide the support of the dead load plus a specified live load of 62.5 psf.
 - 2. Each air filler pylon shall support the dead load plus a live load of 55 lbs. The volume of each pylon shall be no less than 1,540 cubic inches.
- E. Handrail Loads: All ramps shall have handrails. Handrails shall be designed to withstand the following loads:
 - 1. Concentrated load of 200 lbs. applied at any point and in any direction.
 - 2. Uniform load of 50 lbs. per linear ft. applied in any direction at the top.

1.04 SUBMITTALS

- A. Submit catalog cut and shop drawings for new ADA Dock and Kayak Launch. Drawings shall be accurately drawn to scale and completely dimensioned and shall clearly show all details, size, connections, thickness, gauge, finish and type and grade of material for all items. Drawings shall show clearly and accurately the connections and clearances to float structures to demonstrate proper orientation, size and fit, including proposed utility line routing and attachments.
- B. Submit layout drawings and details for attachment of brackets and bearing plate components.
- C. Submit manufacturer's design calculations by a registered professional engineer verifying products' ability to withstand design loads and environmental conditions specified herein. Computations shall include, but not be limited to, compliance with combined live and dead requirements considering both bending and deflection.

PART 2.00 - PRODUCTS

2.01 FLOAT AND DECK

- A. The float and deck shall be specifically designed and manufactured for the intended purpose of providing accessible kayak access.
- B. The individual floating dock section shall consist of decking surface and the float structure, which is to consist of Marine Grade 6061 or 6063 aluminum framing with plastic encapsulated foam floatation.
- C. The dock frame shall be rectangular aluminum extrusion that includes a track in top of extrusion that allows for bolting accessories such as pile guides to the top perimeter of the dock.
- D. The floating dock shall have at least 16" of freeboard and 2.5" of draft depth with no live load present.
- E. Mending plates shall be installed on the vertical face of the dock. Attachment is made to the vertical face and into hex nuts located in the top track of the 50 series extrusion.



- F. A flat aluminum threshold strip is used to attach dock sections together. The strip is to be held in place by a stainless steel bolted connection through the strip and into hex nuts located in the top track of the 50 series extrusion.
- G. The dock section shall have a cold brittleness temperature equal to or less than -130°F.
- H. The wall of the dock shall resist a shear of no less than 1,900 psi and the capacity of resisting a minimum impact of no less than 220 foot-pounds (ft-lb).
- I. The tensile strength at failure shall be no less than 2,630 psi with 12 elongation at yield.
- J. Decking shall be attached using fasteners that are mechanically attached to each corresponding deck board. Attachment at each joint is with one #10 stainless steel, self-tapping screw, placed through the fastener and into the corresponding joist.
- K. 4 inch, square aluminum tube, toe kicks shall be present on all open sides of the floating dock and shall be bolted to dock track with stainless steel bolts.
- L. The decking surface shall be composed of a composite decking surface with a span rating of 24" on center and 5/4" by 6" nominal sizing with texture for added adhesion during dry conditions. The deck shall have an approximate coefficient of friction equal to 0.35 during dry condition and 0.61 during wet conditions.
 - 1. The deck shall resist a punching shear which is no less than 1,900 psi.
 - 2. The deck shall resist a minimum impact of no less than 120 ft-lb near the center or at the point where the deck is thinnest.
 - 3. The deck shall resist a minimum impact of no less than 150 ft-lb within 16 in. of the outside of the dock.

2.03 KAYAK LAUNCH WITH ADAPATIVE BOARDING

- A. All kayak launch framing components shall be Marine Grade 6061 or 6063 aluminum and all fasteners shall be stainless steel.
- B. All floatation shall be plastic encapsulated foam and provide 16" of freeboard with no live load present.
- C. Decking shall be 12" wide, raised rib, knurled aluminum that is welded in place.
- D. Slide pads within the launch cradle shall be composite decking.
- E. The adaptive boarding kit shall be composted of a kayak roll cage, an overhead grab bar, a 4-tiered boarding bench with retractable seat, 4 hand straps suspended from the roll cage, and an instruction sign.

2.04 ANCHORAGE

- A. The dock system shall be designed to allow for the use of piling of various sizes, spud pipes, cables, or chain attached to a bottom anchor, or stiff-arm attachments for anchorage.
- B. Anchorage shall be designed by a licensed engineer in Rhode Island.



2.05 HAND RAILING ATTACHMENT

- A. The dock shall have the ability to accept railing which is constructed to meet the standard established the American with Disabilities Acts (ADA), States Organizations for Boating Access (SOBA) and the National Uniform Building Code (NUBC). The railing shall be constructed of 1.5 in. O.D., 14 gauge steel tubing. The steel tubing shall be finished either by a 0.003 in. Hot-Dip Galvanizing or by powder coating painting process.

2.06 GANGWAYS AND ACCESS

- A. All construction shall be in accordance with minimum provisions of State Organizations for Boating Access (SOBA) and the guidelines stated by "Marinas and Small Craft Harbors".
- B. Gangway and Access Ramp shall be designed to support 90 lbs. per linear foot. The deck and structural component shall be designed to support a concentrated load of 400 lbs. applied to any 12"x12" square.
- C. All framing components shall be Marine Grade 6061 or 6063 Aluminum.
- D. Supplemental floatation is required to be added to the bottom of the gangway to provide a freeboard of 16" to 18" with no live load present. Floatation at end of gangway is to be plastic encapsulated foam.
- E. Handrails shall be continuous along both sides of the walking surface and shall extend 12 in. past the walking surface on both ends. Structural truss railing to be located on both sides of the structure. The railing height shall be located at a minimum height of 42 inches. The intermediate handrail shall be located at 34 inches. The end of the handrails shall be returned into the handrail body or terminate with no sharp or catching edge.
- F. Decking shall be 12 inch wide, raised rib, knurled aluminum, welded in place, and made from marine grade appropriate materials. A 4 inch toe kick should be provided on the sides of the gangway.
- G. Integrated hinges are to be located at the top and bottom of the gangway. Hinges are to be mechanically attached; welded connections will not be permitted. 1 ¼" schedule 40 stainless steel pipe hinge pins with stainless steel hardware.
- H. Gangway seat shall be within the proposed headwall; seat shall provide an even and smooth transition. A steel angle with integrated attachment of hinges shall be used for attachment to concrete foundation. Hinges are to be mechanically attached. 1 ¼" schedule 40 pipe hinge pins with stainless steel hardware.

2.02 PRE-CAST FOUNDATION BLOCKS

- A. The foundation blocks are to be utilized to anchor the gangway to the shoreline and incorporate the bulkhead mounting angle.
- B. Excavation and grading shall be completed before base stone and the foundation blocks are placed. After placement, backfill shall be completed around the pre-cast blocks.

2.03 QUALITY CONTROL



- A. Use Contractor who is fully experienced and qualified in such work.
- B. Do not make substitutions without written approval from Engineer. If specified materials are not available, obtain approval for substitution from the Engineer or Owner.

2.04 PRODUCT DELIVERY, STORAGE, AND HANDLING

- A. Protect all products from weather, vandalism, or other damaging or deteriorating conditions.

PART 3.00 - EXECUTION

3.01 INSTALLATION

- A. Installation of the ADA Kayak Launch shall be done in a workmanlike manner. It should be the responsibility of the Contractor to handle, store and install the equipment specified in this Section in strict accordance with the manufacturer's recommendations.
- B. The Contractor shall review the installation drawing and installation instructions prior to installing the Kayak Launch.

END OF SECTION



A. SECTION 03 30 10 - PERVIOUS CONCRETE PAVEMENT

PART 1 - GENERAL

1.1 GENERAL DESCRIPTION

- A. The work of this Section includes subgrade preparation and installation of Portland Cement Pervious Pavement streets, sidewalks or parking areas.

1.2 DESCRIPTION OF WORK

- A. The Work to be completed under this contract includes the furnishing of all labor, materials and equipment necessary for construction of the proposed improvements in conformance with the plans and specifications.

1.3 REFERENCES

- A. American Society for Testing and Materials
1. ASTM C29 "Test for Unit Weight and Voids in Aggregate"
 2. ASTM C33 "Specification for Concrete Aggregates"
 3. ASTM C42 "Test Method for Obtaining and Testing Drilled Cores and Sawed Beams of Concrete."
 4. ASTM C117 "Test Method for Material Finer than 75 microns (No. 200) Sieve in Mineral Aggregates by Washing."
 5. ASTM C138 "Test Method for Unit Weight, Yield and Air Content (Gravimetric) of Concrete."
 6. ASTM C150 "Specifications for Portland Cement" (Types I and II only)
 7. ASTM C172 "Practice for Sampling Fresh Concrete"
 8. ASTM C260 "Specification for Air-Entraining Admixtures for Concrete"
 9. ASTM C494 "Specification for Chemical Admixtures for Concrete"
 10. ASTM C595 "Specification for Blended Hydraulic Cements" (Types IP or IS only)
 11. ASTM C618 "Specification for Coal Fly Ash and Raw or Calcined Natural Pozzolan for Use as a Mineral Admixture in Portland Cement Concrete."
 12. ASTM C989 "Specification for Ground Granulated Blast-Furnace Slag for Use in Concrete and Mortars."
 13. ASTM C1077 "Practice for Laboratories Testing Concrete and Concrete Aggregates for Use in Construction and criteria for Laboratory Evaluation."
 14. ASTM D448 "Specification for Standard Sizes of Coarse Aggregate for Highway Construction."



15. ASTM D1557 “Tests for Moisture-Density Relations of Soils and Soil Aggregate Mixtures Using 10 Pound Rammer and 18-inch Drop.”
16. ASTM E329 “Standard Recommended Practice for Inspection and testing Agencies for Concrete, Steel and Bituminous Materials as Used in Construction.”
17. American Association of State Highway and Transportation Officials (AASHTO)
18. AASHTO T-180 “Moisture-Density Relations of Soils Using a 101 pound (45.4 kg) Rammer and an 18 in. (457 mm) Drop.”

1.4 SUBMITTALS

A. Concrete Mix Design

1. Contractor shall furnish a proposed mix design with proportions of materials to Owner or Agent prior to commencement of work. Cement content shall be a minimum of 580 pounds per cubic yard, with total cementitious content to be a minimum of 630 pounds per cubic yard. Water cement ratio shall be a maximum of 0.30. The data shall include unit weights determined in accordance with ASTM C29 paragraph 11, jigging procedure. Based on the unit weight of the mix, compacted void content of the mix shall be a minimum of 10% and a maximum of 20%.

1.5 QUALITY ASSURANCE

- A. Prior to the awarding of the contract, the placing contractor shall furnish owner/engineer/architect a statement attesting to qualifications, experience, sample of workmanship and installed product (e.g. references and project addresses).
- A. B. If either the Contractor or the Pervious Concrete Producer have no prior experience with Pervious Concrete Pavement, the Contractor shall retain an experienced Consultant to supervise base preparation, production, placement, finishing and curing. Expense of the consultant shall be the responsibility of the contractor.

PART 2 - PRODUCTS

2.1 General

- A. Locally available materials having a record of satisfactory performance shall be used.

2.2 Cement

- A. Portland cement Type I or II conforming to ASTM C150 or Portland cement Type IP or IS conforming to ASTM C595



2.3 Aggregate

- A. Use 3/8 coarse aggregate that meets 3/8 to No. 16 per ASTM C33, or meeting 3/8 to No. 50 per ASTM D448. Smooth rock aggregate is recommended and has been found to perform better than crushed rock aggregates. If other gradation of aggregate is to be used, submit data on proposed material to owner for approval. Larger aggregate sizes increase pore size but decrease workability. Aggregates that are well graded reduce porosity, and may require reduction of cementitious content to meet void specifications.

2.4 Chemical Admixtures

- A. Air entraining agents shall comply with ASTM C260.
- B. Type A Water Reducing Admixtures shall comply with ASTM C494
- C. Type B Retarding Admixtures shall comply with ASTM C494
- D. Type D Water Reducing/Retarding Admixtures shall comply with ASTM C494
- E. Hydration stabilizer shall meet the requirements of ASTM C494 Type B Retarding Admixtures or Type D Water Reducing/Retarding Admixtures

2.5 Mineral Admixtures

- A. Flyash conforming to ASTM C618 may be used in amounts not to exceed 20% of total cementitious material.
- B. Ground Iron Blast-Furnace Slag conforming to ASTM C989 may be used in amounts not to exceed 50% by weight of total cementitious material.

2.6 Water

- A. Potable water shall comply with conventional local good concrete practice.

2.7 Proportions

- A. Cement Content:
 - 1. The total cementitious content shall not be less than 630 pounds per cubic yard. Portland cement content shall be at least 580 pounds per cubic yard.
 - 2. Water Cement Ratio:



- a. Maximum of 0.30
- B. Aggregate Content:
 - 1. The volume of aggregate per cubic yard shall be equal to 27 cubic foot when calculated as a function of the unit weight determined in accordance with ASTM C29 jiggling procedure. Fine aggregate, if used, shall not exceed 3 cu. ft. and shall be included in the total aggregate volume.
- C. Admixtures:
 - 1. Shall be used in accordance with the manufacturer's instructions and recommendations.
- D. Mix Water:
 - A. 1. Mix water shall be such that the cement paste displays a wet metallic sheen without causing the paste to flow from the aggregate. (Mix water yielding a cement paste with a dull-dry appearance has insufficient water for hydration).

PART 3 - EXECUTION

- 3.1 Subgrade Preparation and Form-Work
 - A. Subgrade Material: Sand Gravel Fill as specified in 31 00 00 EARTHWORK.
 - B. Subgrade Permeability:
 - 1. Subgrade shall have a reasonable level of permeability.
 - C. Subgrade Support:
 - 1. The subgrade shall be scarified to a depth of 12" and compacted by a mechanical vibratory compactor to 92 -95% of a maximum dry density as established by ASTM D1557 or AASHTO T180. Subgrade stabilization shall not be permitted.
 - 2. If fill material (embankment) is required to bring the subgrade to final elevation, it shall be clean and free of deleterious materials. It shall be placed in 8-inch maximum layers, and compacted by a mechanical vibratory compactor to a minimum density of 92% of a dry density as established by ASTM D1557 or AASHTO T180.
 - D. Subgrade Moisture:
 - 1. To avoid moisture being absorbed from the concrete mix upon placement, the subgrade shall be in a moist condition.



E. Formwork:

1. Forms may be of wood or steel and shall be the depth of the pavement. Forms shall be of sufficient strength and stability to support mechanical equipment without deformation of plan profiles following spreading, strike-off and compaction operations. Forms shall have a removable spacer of ½” to 5/8” thickness placed above the depth of pavement. The spacers are removed following placement and vibratory strike-off to allow roller compaction. Forms shall allow for tie-in to adjacent concrete via the use of fiberglass reinforced plastic (FRP) reinforcing bar.

F. Mixing, Hauling and Placing:

1. Mix Time:
 - a. Truck mixers shall be operated at the speed designated as mixing speed by the manufacturer for 75 to 100 revolutions of the drum.
2. Transportation:
 - a. The Portland cement aggregate mixture may be transported or mixed on site and shall be used within one (1) hour of the introduction of mix water, unless otherwise approved by an engineer. This time can be increased to 90 minutes when utilizing a hydration stabilizer as specified in section 2.4.4.
3. Discharge:
 - a. Each mixer will be inspected for appearance of concrete uniformity. Water may be added to obtain the required mix consistency. A minimum of 20 revolutions at the manufacturer’s designated mixing speed shall be required following the addition of any water to the mix. Discharge shall be a continuous operation and shall be completed as quickly as possible. Concrete shall be deposited as close to its final position as practicable and such that fresh concrete enters the mass of previously placed concrete.
4. Placing and Finishing:
 - a. The pervious concrete pavement will be placed to the required cross-section and shall not deviate more than +/- 3/8 inch in 10 feet from profile grade.
 - b. Unless otherwise approved by the Owner or Engineer in writing, the Contractor shall provide either slip form or form riding equipment to place the concrete. Normal placement procedures involve utilizing a mechanical vibratory screed to strike off the concrete ½” to 5/8” above final height, utilizing the form spacers described in section **3.1.5**.
 - c. Following strike-off, the spacers are removed, and the concrete shall be compacted to form level, utilizing a steel roller made from nominal 10” diameter steel pipe of ¼” thickness. The roller shall have enough weight to provide a minimum of 10 psi vertical force. This compaction secures the surface materials assuring pavement durability. Care shall be taken during compaction that sufficient compactive force is achieved without working the concrete surface enough to seal off the surface porosity.



- d. Workers shall avoid stepping on the mix immediately after its placement. Footprints can compress and force cement paste into the voids at the bottom of the slab, forming resistance to the percolation through the slab.
 - e. Any apparent defects in the surface can be carefully remedied by placing some fresh concrete into any depressions and compacting with a hand tamper.
 - f. Upon strike-off, a compactive roller will provide a minimum of 10 psi vertical force in order to secure the surface materials and assure durability. The pervious concrete pavement will be placed to the required cross-section and shall not deviate more than +/- 3/8 inch in 10 feet from profile grade.
 - g. After roller compacting and defect inspection and repair, no further finishing is performed on the concrete. Surface shall be immediately cured.
5. Curing:
- a. Note: The low water/cement ratio and high amount of exposed surface of pervious concrete makes it especially susceptible to drying out. Keeping the surface moist is critical to strength gain. Curing procedures shall begin immediately after and no longer than 20 minutes after final placement operations. The pavement surface shall be covered with a minimum of six (6) mil thick polyethylene sheet or other approved covering material. Prior to covering, a fog or light mist shall be sprayed above the surface when required due to ambient conditions (temperature, wind and humidity). The cover shall overlap all exposed edges and shall be secured to prevent dislocation due to winds or adjacent traffic conditions.
 - b. Due to the moisture required for proper hydration and strength gain, the curing cover shall remain securely in place for the suggested curing periods. The following cure times are ideal:
 - Portland Cement Type I, II or IS – **7 days minimum**
 - Portland Cement Type I or II with Class F Flyash (as part of the 630 lbs/cy minimum cementitious) or Type IP – **10 days minimum**
 - c. No truck traffic shall be allowed for 10 days.
6. Jointing:
- a. Joints shall be installed at regular intervals not to exceed 40 feet, or two times the width of the placement.
 - b. The control joints shall be installed at 1/4 the depth (to a maximum depth of 1 1/2") of the thickness of the pavement.
 - c. These joints can be installed in the plastic concrete or saw cut.
 - (1) Jointing plastic concrete.
 - (2) Joints installed in the plastic concrete are generally rolled in utilizing a small roller with a flange welded to the center.
 - (3) This type of jointing is done immediately after roller compaction and immediately prior to curing.
 - (4) Jointing hardened concrete:
If joints are saw-cut, the procedure shall begin as soon as the pavement has hardened sufficiently to prevent raveling and uncontrolled cracking (normally after 24 hours, so curing cover shall be removed and surface re-misted and securely recovered after joint sawing).
 - d. Transverse construction joints:



- e. Transverse construction joints shall be installed whenever placing is suspended for a sufficient length of time that concrete may begin to harden. In order to assure aggregate bond at construction joints, a bonding agent suitable for bonding fresh concrete to existing concrete shall be brushed, rolled or sprayed on existing pavement surface edge. Isolation (expansion) joints will not be used except when pavement is abutting slabs or other adjoining structures.
- f. Grinding:
 - (1) Upon completion of curing, concrete is to be surface ground. Surface is ground to a depth such that the surface aggregate is ground to about its midpoint.

3.2 Testing and Acceptance

- A. A minimum of one test for each day's placement of pervious concrete in accordance with ASTM C 172 and ASTM C 29 to verify unit weight shall be conducted. Delivered unit weights are to be determined in accordance with ASTM C 29 using a 0.25 cubic foot cylindrical metal measure. The measure is to be filled and compacted in accordance with ASTM C 29 paragraph 11, jigging procedure. The unit weight of the delivered concrete shall be +/- 5 pcf of the design unit weight. Based on the unit weight of the mix, compacted void content of the mix shall be a minimum of 10% and a maximum of 20%.

END OF SECTION 03 30 10



SECTION 323300 - SITE FURNISHINGS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.
 - 1. 03 30 00- Cast In- Place Concrete
 - 2. 06 73 00- Composite Decking

1.2 SUMMARY

- A. Section Includes:
 - 1. **(A) Bench**
 - 2. **(B) Trash Receptacles**
 - 3. **(C) Solar Bollards**
 - 4. **(D) Curved Bench**

1.3 ACTION SUBMITTALS

- A. Manufacturer's Literature: Submit copies of each of manufacturer's material descriptions, dimensions, details, and installation instructions for the following. Submit manufacturer's material descriptions for primer coat and finish coat.

1.4 INFORMATIONAL SUBMITTALS

- A. Complete Shop Drawings for the installation of bench and Sub Bench without back.
- B. Complete Shop Drawings for the installation of Litter/Recycle Receptacles with metal hood.
- C. Complete Shop for the installation of the Solar Bollard.

1.5 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For site furnishings to include in maintenance manuals.



- B. The Contractor shall furnish and deliver standard written manufacturer's guarantee in Owner's name covering all materials and workmanship under this Section 323300, Site Furnishings, in addition to, and not in lieu of, guarantee requirements set forth under Section 010000, GENERAL REQUIREMENTS, and other liabilities which the Contractor may have by law or other provisions of the Contract Documents.
- C. Supplier shall pay for repairs of any damage to any part of the project caused by defects in his work and for any repair to the materials or equipment caused by replacement. All repairs are to be done to the satisfaction of the Owner's Representative.
- D. Any part of the work installed under this contract requiring excessive maintenance shall be considered as being defective, and shall be replaced by the Supplier during the one year guarantee period at no cost to the Owner.

PART 2 - PRODUCTS

2.1 BENCH

- A. 6' long backless bench all benches shall be surface mounted (S-2) either to composite decking or concrete walkway. Mounting shall be per manufacturers requirements benches shall be connected with lag bolts over a structural member or through bolts into decking See plans and details for more information, Thermally Modified Red Oak slats with black supports, (model #64-203-6TMR/S-2) 6' Backless Bench with Thermally Modified Red Oak) as manufactured by Dumor, Inc P.O. Box 142 Mifflintown, PA 17059 or approved equal.

2.2 TRASH RECEPTACLES

- A. 26.5" x 36" (55 Gal) round black steel trash receptacle with dome lid (CN-2755), surface mount on concrete pad, Model # CN-R/R-55 as manufactured by Pilot Rock or approved equivalent. Color the by owner.

2.3 SOLAR LIGHT

- A. Solar light shall be 3'-3" High by 6" wide. Bollard shall be surface mounted with base plate and connected with lag bolts over a structural member or through bolts into decking. Basis of design shall be the "Prague 7 Solar Bollard" With Integral Motion Sensor, 4w LED, Type III Distribution, 3000K. Bollard shall include anchor bolts. Solar light shall be model # UPR-10062-T3-W30-XX as manufactured by Ligman.
- B. Solar light shall be equipped with a min of (1) remote solar charger programmer for solar bollards and poles. Programmer shall be applicable for selected lights and as directed by manufacturer.



2.4 CURVED BENCH

- A. Curved bench shall be the Rough and Ready Curved bench with wide Armrests as manufactured by Street life. Bench shall be Louro hardwood and have a custom inside radii of 22'-6" with a seating depth of 24" and length as noted on the construction details. Bench shall be composed of a max of 7 segments. Armrests shall be as shown in the construction details. Wood shall be FSC certified Hardwood. Legs shall have a powdercoat finish. Benches shall be surface mounted with a Pin-torx bolt mounting as supplied by manufacturer and connected with lag bolts over a structural member or through bolts into decking. Basis of design is Street Life and product information is as follows:
- a. **R&R-C-1090-60PC-LO: Curved bench, hardwood beams dimensions as shown on plans.**
 - b. **R&R-C-RBR-171PC-LO) Backrests with vertical beams, support structure powder coated**
 - c. **R&R-C-RBR-371PC-LO Backrest with vertical beams, support structure powder coated**

2.5 FABRICATION

- A. Factory Assembly: Factory assemble components to greatest extent possible to minimize field assembly. Clearly mark units for assembly in the field.

2.6 GENERAL FINISH REQUIREMENTS

- A. Appearance of Finished Work: Noticeable variations in same piece are unacceptable. Variations in appearance of adjoining components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine areas and conditions, with Installer present, for compliance with requirements for correct and level finished grade, mounting surfaces, installation tolerances, and other conditions affecting performance of the Work.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.



3.2 INSTALLATION

- A. Comply with manufacturer's written installation instructions unless more stringent requirements are indicated. Complete field assembly of site furnishings where required.
- B. All metal inserts, anchor slots, anchors, anchor bolts, fastenings, and other fastening devices, for attachment of site improvement items to pavements, except as otherwise specified under other Sections of this Specification, shall be in specified, provided, delivered installed and paid for under the work of this Section 02800, Site Furnishings.
- C. Unless otherwise indicated, install site furnishings after landscaping and paving have been completed.
- D. Free-standing site improvement items shall be set plumb and horizontal regardless of the pitch of the finished surrounding grade unless otherwise shown on the Contract Documents.
- E. The Contractor shall be responsible for timing the delivery of site improvement items so as to minimize the on-site storage time prior to installation. All stored materials are the responsibility of the Contractor and shall be protected from weather, careless handling and vandalism.
- F. Contractor shall be responsible for the correct location of site improvement items. Take particular care to maintain shapes, plumb and level during the pouring of concrete.
- G. All Work shall be accurately set to established lines and elevations and rigidly set in place to supporting construction.
- H. Install site furnishings level, plumb, true, and positioned at locations after final approval in the field by Owner's Representative.
- I. Post Setting: Set cast-in support posts in concrete footing with smooth top, shaped to shed water. Protect portion of posts above footing from concrete splatter. Verify that posts are set plumb or at correct angle and are aligned and at correct height and spacing. Hold posts in position during placement and finishing operations until concrete is sufficiently cured.

END OF SECTION 323300



CUNLIFF LAKE BOARDWALK AT ROGER WILLIAMS PARK

HONORABLE
BRETT P. SMILEY
MAYOR

WENDY NILSSON
SUPERINTENDENT OF PARKS

JUAN PICHARDO
CITY COUNCILOR

PROJECT TEAM

PARE CORPORATION
8 BLACKSTONE VALLEY
LINCOLN, RI 02865
401-334-4100

TRAVERSE LANDSCAPE ARCHITECTS
150 CHESTNUT STREET, 4TH FLOOR
PROVIDENCE, RI 02903
401-383-4950

SHEET SCHEDULE

O-0	COVER SHEET
G1.0	GENERAL NOTES
C1.0	EXISTING CONDITIONS SURVEY BY MCA (PDF - PAGE 1)
C1.1	EXISTING CONDITIONS SURVEY BY MCA (PDF - PAGE 2)
C1.2	AERIAL
C2.0	EXISTING SITE AND DEMOLITION PLAN
C3.0	PROPOSED SITE PLAN - BASE BID
C3.1	PROPOSED SITE PLAN - ADD ALT
C4.0	BOAT RAMP SECTIONS AND DETAILS
C4.1	RETAINING WALL & KAYAK LAUNCH DETAILS
C5.0	MISCELLANEOUS DETAILS
S1.0	OVERALL STRUCTURAL FRAMING PLAN
S1.1	STRUCTURAL FRAMING PLAN I
S1.2	STRUCTURAL FRAMING PLAN II
S1.3	STRUCTURAL FRAMING PLAN III
S2.0	STRUCTURAL DETAILS
L1-21	HARDSCAPE PLAN
L1-31	LAYOUT PLAN
L3-01	DETAILS
L3-02	DETAILS
LP1-01	OVERALL LANDSCAPE PLAN
LP1-21	LANDSCAPE PLAN
LP1-22	LANDSCAPE PLAN
LP3-01	PLANTING DETAILS

GENERAL NOTES

- FOR THE PURPOSE OF THIS PROJECT
 - OWNER - PROVIDENCE PARKS DEPARTMENT
DALRYMPLE BOATHOUSE
PROVIDENCE, RI 02905
 - ENGINEER - PARE CORPORATION
10 LINCOLN ROAD, SUITE 210
FOXBORO, MA 02035
 - CONTACT - TODD TURCOTTE, P.E., VICE PRESIDENT
 - LANDSCAPE ARCHITECT - TRAVERSE LANDSCAPE ARCHITECTS
150 CHESTNUT STREET, 4TH FLOOR
PROVIDENCE, RI 02903
 - CONTACT - ASHLEY IANNUCCILLI CULLION, PRINCIPAL
- SEE SECTION 01 00 00 - GENERAL REQUIREMENTS OF TECHNICAL SPECIFICATIONS.
- ALL CONSTRUCTION INDICATED ON THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF THE RHODE ISLAND STATE BUILDING CODE, ALL FEDERAL AND MUNICIPAL BUILDING CODES, AND THE SPECIFICATIONS INCLUDED IN THIS CONTRACT. THESE PLANS ARE INCOMPLETE UNLESS ACCOMPANIED BY THE SPECIFICATIONS INCLUDED IN THE CONTRACT DOCUMENTS.
- THE BASE PLAN WAS DEVELOPED BASED UPON PLAN ENTITLED "TOPOGRAPHIC SURVEY FOR ROGER WILLIAMS PARK CUNLIFF LAKE BOARDWALK" PREPARED BY MARTINEZ COUCH & ASSOCIATES, LLC OF ROCKY HILL, CONNECTICUT JUNE 2024. ANY DISCREPANCIES OR ERRORS ON THESE PLANS WITH REGARD TO DIMENSIONS OR CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH THE AFFECTED PORTION OF WORK.
- FRESHWATER WETLANDS DELINEATED BY PARE CORPORATION ON MARCH 15, 2024.
- HORIZONTAL DATUM: RHODE ISLAND STATE PLANE - NAD83
VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVDB88) AS ESTABLISHED BY NOS TIDAL BENCH MARK
- THE CONTRACTOR SHALL STAKE OUT ALL LAYOUTS OF PROPOSED WORK FOR APPROVAL BY THE OWNER'S REPRESENTATIVE PRIOR TO COMMENCING WORK.
- INFORMATION REGARDING THE LOCATION OF SURROUNDING STRUCTURES AND UTILITIES IS FURNISHED SOLELY FOR THE CONVENIENCE OF THE CONTRACTOR AND SHALL BE FIELD VERIFIED. THE CONTRACTOR SHALL CONDUCT ITS OWN INDEPENDENT EXAMINATION OF SITE CONDITIONS FOR THE PURPOSE OF BIDDING, FABRICATION, AND CONSTRUCTION ASSOCIATED WITH THE PROJECT. ANY RELIANCE UPON INFORMATION MADE AVAILABLE BY THE OWNER OR THE ENGINEER SHALL BE AT THE CONTRACTOR'S RISK
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS. PLANS SHALL NOT BE SCALED FOR DIMENSIONS.
- CONSTRUCTION SHALL BE MADE FROM APPROVED SHOP DRAWINGS ONLY. ANY ERRORS OR DISCREPANCIES ON THE SHOP DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH THE AFFECTED PORTION OF WORK.
- NOTES, TYPICAL DETAILS, AND SCHEDULES APPLY TO ALL WORK UNLESS OTHERWISE NOTED. FOR CONDITIONS NOT SPECIFICALLY SHOWN, PROVIDE DETAILS OF SIMILAR NATURE. VERIFY APPLICABILITY BY SUBMITTING SHOP DRAWINGS FOR REVIEW.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSAL OF ALL PROJECT DEMOLITION AND EXCESS MATERIAL IN ACCORDANCE WITH RHODE ISLAND, LOCAL, AND FEDERAL LAWS. AT THE END OF CONSTRUCTION, THE CONTRACTOR SHALL REMOVE ALL CONSTRUCTION DEBRIS AND SURPLUS MATERIAL FROM THE SITE. A THOROUGH INSPECTION OF THE WORK PERIMETER IS TO BE MADE AND ALL DISCARDED MATERIALS, BLOWN OR WATER CARRIED DEBRIS, SHALL BE COLLECTED AND REMOVED FROM THE SITE
- THE CONTRACTOR SHALL PROTECT ALL ADJACENT STRUCTURES AND UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF ALL DAMAGE TO ADJACENT STRUCTURES AND UTILITIES AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR SHALL RESTORE ALL SURFACES EQUAL TO THEIR ORIGINAL CONDITION AFTER CONSTRUCTION IS COMPLETE. AREAS NOT DISTURBED BY CONSTRUCTION SHALL BE LEFT NATURAL. THE CONTRACTOR SHALL TAKE CARE TO PREVENT DAMAGE TO SHRUBS, TREES, AND OTHER LANDSCAPING OR NATURAL FEATURES, WHEREAS THE PLANS DO NOT SHOW ALL LANDSCAPING FEATURES. EXISTING CONDITIONS MUST BE VERIFIED BY THE CONTRACTOR IN ADVANCE OF THE WORK
- PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL VISIT THE SITE AND SHALL NOTIFY THE ENGINEER OF ANY ADDITIONAL UTILITIES, STRUCTURES, OR ANY OTHER ELEMENTS WHICH MAY IMPEDE WORK. UTILITY AND/OR STRUCTURE RELOCATIONS, IF NECESSARY, SHALL BE COORDINATED THROUGH THE OWNER'S ENGINEER.
- THE LOCATION AND DEPTH OF EXISTING UTILITIES ARE APPROXIMATE AND HAVE BEEN PLOTTED

- FROM THE LATEST AVAILABLE INFORMATION. THE UTILITY LOCATIONS ARE APPROXIMATE AND MAY NOT BE ALL INCLUSIVE. BEFORE COMMENCING SITE WORK IN ANY AREA, CONTACT "DIG SAFE" AT 1-888-DIG-SAFE TO ACCURATELY LOCATE ALL EXISTING UTILITIES, BOTH OVERHEAD AND UNDERGROUND, 72 HOURS PRIOR TO COMMENCING WORK. ANY DAMAGE TO EXISTING UTILITIES OR STRUCTURES SHALL BE THE CONTRACTOR'S RESPONSIBILITY. COSTS OF SUCH DAMAGE SHALL BE THE CONTRACTOR'S RESPONSIBILITY. NO EXCAVATION SHALL COMMENCE UNTIL ALL INVOLVED UTILITY COMPANIES AND/OR TOWN WHOSE FACILITIES MIGHT BE AFFECTED BY ANY WORK TO BE PERFORMED BY THE CONTRACTOR ARE PROPERLY NOTIFIED.
- THE CONTRACTOR SHALL FOLLOW ALL OSHA, FEDERAL, STATE, AND LOCAL STANDARDS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL SITE SAFETY PROCEDURES AND PRACTICES REGARDLESS OF THE PRESENCE OF THE OWNER OR ENGINEER.
 - ALL CONSTRUCTION ACTIVITIES SHALL BE CONFINED TO THE LIMITS OF WORK AND TEMPORARY EASEMENTS DEFINED HEREIN. THE CONTRACTOR MUST OBTAIN ALL REQUIRED CITY, STATE, AND FEDERAL PERMITS.
 - CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL BENCHMARKS AND CONTROL POINTS THROUGHOUT CONSTRUCTION.
 - THE CONTRACTOR WILL BE REQUIRED TO SUBMIT A CONSTRUCTION SCHEDULE TO THE OWNER WITHIN 5 DAYS OF THE NOTICE OF AWARD. THE CONTRACTOR SHALL UPDATE SCHEDULE AS NEEDED THROUGHOUT THE COURSE OF WORK. THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE PRIOR TO DEMOLITION OR INSTALLATION OF ANY PORTION OF THE SITE WORK.
 - THE CONTRACTOR SHALL STAGE ALL EQUIPMENT IN THE DESIGNATED STAGING AREA. ALL GREASING AND REFUELING ACTIVITIES SHALL OCCUR IN THE STAGING AREA. ALL NECESSARY MEASURES SHALL BE TAKEN TO PREVENT BY ANY METHOD, OIL, CONSTRUCTION DEBRIS, STOCKPILED MATERIALS, AND OTHER MATERIALS ON THE SITE, FROM ENTERING THE WATERWAY. STAGING/LAYDOWN AREAS, AS APPROVED BY THE ENGINEER, SHALL BE RESTORED BY THE CONTRACTOR TO THE EXISTING CONDITION. IN ADDITION, THE CONTRACTOR SHALL REPLACE ALL DAMAGED MATERIALS AS A RESULT OF HIS OPERATIONS, TO THE SATISFACTION OF THE ENGINEER.
 - THE CONTRACTOR SHALL MAINTAIN A SECURE SITE AND PROVIDE APPROPRIATE SAFETY MEASURES TO PREVENT ACCIDENTS, VANDALISM, AND THEFT. THE SAFETY MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO SIGNAGE, BARRICADES, FENCES, FLASHING WARNING LIGHTS, AND POLICING IF NECESSARY.
 - IN CASE OF CONTRADICTION BETWEEN THE DRAWINGS, THE SPECIFICATIONS, AND THE CODES, OR IF ANY CHANGE ARE REQUIRED, THE CONTRACTOR SHALL INFORM THE ENGINEER IMMEDIATELY. NO CHANGE SHALL BE MADE WITHOUT WRITTEN APPROVAL OF THE ENGINEER.
 - UPON COMPLETION OF THE PROJECT, CONTRACTOR IS TO PROVIDE A POST CONSTRUCTION SURVEY AND TWO AS-BUILT PLAN SETS TO THE OWNER DEPICTING ANY FIELD CHANGES OF DIMENSION OR DETAIL, LOCATION OF UNDERGROUND STRUCTURES AND/OR UTILITIES, CONSTRUCTION DEVIATIONS, CHANGES DUE TO FIELD OR CHANGE ORDER, AND DETAILS NOT ON THE ORIGINAL DRAWINGS. THE PROVIDENCE PARKS DEPARTMENT ASSUMES NO RESPONSIBILITY IF THE WORK IS NOT INSTALLED AS PER THE PLANS OR IF FIELD CHANGES ARE MADE WITHOUT THE KNOWLEDGE AND APPROVAL OF THE OWNER'S REPRESENTATIVE.
- ## DEMOLITION NOTES
- SEE SECTION 02 41 00 - SELECTIVE SITE DEMOLITION OF TECHNICAL SPECIFICATIONS.
 - ALL DEMOLITION SHALL BE COORDINATED WITH THE OWNER PRIOR TO START OF WORK.
 - THE CONTRACTOR SHAL COORDINATE ALL DEMOLITION OF STRUCTURES, PAVEMENT, CONCRETE MATERIALS, AND UTILITIES WITH APPROPRIATE PROPOSED SITE GENERAL, GRADING, UTILITY, AND LANDSCAPING PLANS.
 - ALL NOTED UTILITIES TO BE REMOVED AND DISPOSED OF, RELOCATED OR CAPPED REPRESENT ALL KNOWN SITE CONDITIONS TO BE DEMOLISHED. CONTRACTOR TO COORDINATE ALL UNFORESEEN CONDITIONS WITH THE OWNER, ENGINEER, AND/OR RESPECTIVE UTILITY COMPANIES PRIOR TO PROCEEDING WITH WORK.
 - WATER, SEWER, DRAINAGE, GAS, AND OTHER SITE UTILITIES SERVICING THE EXISTING FACILITIES ARE TO REMAIN ACTIVE THROUGHOUT CONSTRUCTION. THERE SHALL BE NO INTERRUPTION OF UTILITY SERVICE DURING CONSTRUCTION OPERATIONS WITHOUT APPROVAL FROM THE OWNER.
 - ALL UTILITIES REMOVED FROM THE SITE SHALL BE CUT AND CAPPED AT THE LIMIT OF DISTURBANCE UNLESS OTHERWISE NOTED.
 - PAVEMENT DEMOLITION SHALL BE SAWCUT AND DISPOSED OF PROPERLY.
 - REFER TO SPECIFICATIONS SECTION 02050 "DEMOLITION AND REMOVAL" FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
 - OIL STOCKPILES LEFT OVERNIGHT SHALL BE SURROUNDED ON THEIR PERIMETERS WITH SILT SOCK.
 - DISTURBED AREAS AND SLOPES SHALL NOT BE LEFT UNATTENDED OR EXPOSED FOR EXCESSIVE PERIODS OF TIME SUCH AS THE INACTIVE WINTER SEASON. THE CONTRACTOR SHOULD PROVIDE APPROPRIATE STABILIZATION PRACTICES ON ALL DISTURBED AREAS AS SOON AS POSSIBLE BUT NOT MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT AREA HAS TEMPORARILY OR PERMANENTLY CEASED. TEMPORARY AREAS HAVING A SLOPE GREATER THAN 3:1 SHALL BE REINFORCED WITH EROSION BLANKETS OR APPROVED EQUAL UNTIL THE SITE IS PROPERLY STABILIZED. TEMPORARY SWALES MAY ALSO BE REQUIRED IF DETERMINED NECESSARY IN THE FIELD BY OWNER'S REPRESENTATIVE.
 - THE CONTRACTOR SHALL CONTAIN ALL SEDIMENT ONSITE. ALL EXITS FROM THE SITE WILL BE SWEEPED AS NECESSARY INCLUDING ANY SEDIMENT TRACKING. PAVED AREAS SHALL BE SWEEPED AS NEEDED TO REMOVE SEDIMENT AND POTENTIAL POLLUTANTS WHICH MAY ACCUMULATE DURING SITE WORK.

- ACCUMULATED SEDIMENT SHALL BE REMOVED FROM ALL ESC MEASURES AND DISPOSED OF IN A PRE-APPROVED LOCATION BY THE CONTRACTOR.
- DUST SHALL BE CONTROLLED BY WATERING OR OTHER APPROVED METHODS AS NECESSARY.

EROSION & SEDIMENT CONTROL NOTES

- SEE SECTION 31 25 00 - EROSION AND SEDIMENTATION CONTROL OF TECHNICAL SPECIFICATIONS.
- SOIL EROSION AND SEDIMENTATION CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH THE 'RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK', AND THE NOTES AND DETAILS SHOWN IN THIS PLAN SET.
- THE SITE CONSTRUCTION FOREMAN SHALL BE DESIGNATED AS THE ON-SITE PERSONNEL RESPONSIBLE FOR THE DAILY INSPECTION AND MAINTENANCE OF ALL ESC MEASURES AND SHALL IMPLEMENT ALL NECESSARY MEASURES TO CONTROL EROSION AND PREVENT SEDIMENT FROM LEAVING THE SITE.
- THE CONTRACTOR SHALL INSTALL ALL ESC MEASURES AS SHOWN ON THE DESIGN PLANS AND AS DETERMINED NECESSARY IN THE FIELD BY OWNER'S REPRESENTATIVE BEFORE ANY CONSTRUCTION ACTIVITIES ARE TO BEGIN. THESE MEASURES SHALL BE CHECKED, MAINTAINED/REPLACED AS NECESSARY DURING THE ENTIRE CONSTRUCTION PERIOD OF THE PROJECT. SUCH MEASURES SHALL REPRESENT THE LIMIT OF WORK. WORKERS SHALL BE INFORMED THAT NO CONSTRUCTION ACTIVITY IS TO OCCUR BEYOND THE LIMIT OF WORK AT ANY TIME THROUGH THE CONSTRUCTION PERIOD.
- THE CONTRACTOR SHALL SCHEDULE HIS/HER WORK TO ALLOW THE FINISHED SUBGRADE ELEVATIONS TO DRAIN PROPERLY WITHOUT PONDING. SPECIFICALLY, ALLOW WATER TO ESCAPE WHERE PROPOSED CURB MAY RETAIN RUNOFF PRIOR TO APPLICATION OF SURFACE PAVING. PROVIDE TEMPORARY POSITIVE DRAINAGE, AS REQUIRED, TO STABILIZED DISCHARGE POINTS. CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY UTILITY CONNECTIONS.
- A MINIMUM SURPLUS OF 100 FEET OF EROSION CONTROL BARRIER (SILT FENCE&/OR SILT SOCK) SHALL BE STOCKPILED ONSITE AT ALL TIMES.
- THE CONTRACTOR SHALL PROTECT THE ADJACENT AREA FROM SEDIMENTATION DURING PROJECT CONSTRUCTION OPERATIONS.
- A CONSTRUCTION EXIT SHALL BE CONSTRUCTED TO SHED DIRT FROM CONSTRUCTION VEHICLE TIRES. THE CONSTRUCTION EXIT SHALL BE REPLACED/CLEANED AS NEEDED TO MAINTAIN ITS EFFECTIVENESS.
- THE LIMIT OF ALL CLEARING, GRADING AND DISTURBANCES SHALL BE KEPT TO A MINIMUM WITHIN THE PROPOSED AREA OF CONSTRUCTION. THE CONTRACTOR SHALL PHASE THE SITE WORK IN A MANNER TO MINIMIZE AREAS OF EXPOSED SOIL.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO MONITOR LOCAL WEATHER REPORTS DURING CONSTRUCTION AND PRIOR TO SCHEDULING EARTHMOVING OR OTHER CONSTRUCTION ACTIVITIES WHICH WILL LEAVE LARGE DISTURBED AREAS UNSTABILIZED. IF INCLEMENT WEATHER IS PREDICTED, THE CONTRACTOR SHALL USE THEIR BEST PROFESSIONAL JUDGEMENT AND SHALL BE RESPONSIBLE FOR ENSURING THAT NECESSARY EROSION CONTROL DEVICES ARE INSTALLED AND FUNCTIONING PROPERLY TO MINIMIZE EROSION FROM ANY IMPENDING WEATHER EVENTS.
- SOIL ESC MEASURES SHALL BE INSPECTED AND MAINTAINED ON A WEEKLY BASIS AND AFTER EACH RAINFALL EVENT OF 0.25 INCH OR GREATER DURING CONSTRUCTION TO ENSURE THAT THE ESC MEASURES ARE INTACT AND FUNCTIONING PROPERLY. IDENTIFIED DEFICIENCIES SHALL BE CORRECTED IMMEDIATELY NO LATER THAN 24 HOURS AFTER IDENTIFICATION.
- SOIL STOCKPILES LEFT OVERNIGHT SHALL BE SURROUNDED ON THEIR PERIMETERS WITH SILT SOCK.
- DISTURBED AREAS AND SLOPES SHALL NOT BE LEFT UNATTENDED OR EXPOSED FOR EXCESSIVE PERIODS OF TIME SUCH AS THE INACTIVE WINTER SEASON. THE CONTRACTOR SHOULD PROVIDE APPROPRIATE STABILIZATION PRACTICES ON ALL DISTURBED AREAS AS SOON AS POSSIBLE BUT NOT MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT AREA HAS TEMPORARILY OR PERMANENTLY CEASED. TEMPORARY AREAS HAVING A SLOPE GREATER THAN 3:1 SHALL BE REINFORCED WITH EROSION BLANKETS OR APPROVED EQUAL UNTIL THE SITE IS PROPERLY STABILIZED. TEMPORARY SWALES MAY ALSO BE REQUIRED IF DETERMINED NECESSARY IN THE FIELD BY OWNER'S REPRESENTATIVE.
- THE CONTRACTOR SHALL CONTAIN ALL SEDIMENT ONSITE. ALL EXITS FROM THE SITE WILL BE SWEEPED AS NECESSARY INCLUDING ANY SEDIMENT TRACKING. PAVED AREAS SHALL BE SWEEPED AS NEEDED TO REMOVE SEDIMENT AND POTENTIAL POLLUTANTS WHICH MAY ACCUMULATE DURING SITE WORK.
- ACCUMULATED SEDIMENT SHALL BE REMOVED FROM ALL ESC MEASURES AND DISPOSED OF IN A PRE-APPROVED LOCATION BY THE CONTRACTOR.
- DUST SHALL BE CONTROLLED BY WATERING OR OTHER APPROVED METHODS AS NECESSARY.
- CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING, RESTORING, AND REPAIRING ALL DAMAGE AS A RESULT OF UNAUTHORIZED WORK OR DISCHARGES AT NO ADDITIONAL COST TO THE OWNER.
- THE LIMITS OF EROSION CONTROL BARRIERS SHALL BE MODIFIED OR EXPANDED AS FIELD CONDITIONS WARRANT.
- ALL EROSION CONTROL BARRIERS SHALL BE INSPECTED AT LEAST ONCE PER WEEK AND AFTER EACH STORM EVENT OF 0.25 INCH OR GREATER. ANY DAMAGED AREAS OF THE EROSION CONTROL BARRIER SHALL BE REPAIRED WITHIN 24 HOURS OF DISCOVERY.
- DISCHARGE OF TURBID WATER TO ANY WATERWAY IS PROHIBITED.
- ALL ON-SITE AND OFF-SITE DRAINAGE STRUCTURES AND PIPING SHALL BE JETTED AND CLEANED UPON COMPLETION OF THE SITE WORK.



PROVIDENCE
PARKS DEPARTMENT
DALRYMPLE BOATHOUSE
ROGER WILLIAMS PARK
PROVIDENCE, RI 02905



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CONSULTANT



SEAL / SIGNATURE

STAMP

PROJECT:

Cunliff Lake Boardwalk
at Roger Williams Park

1000 Elmwood Avenue
A.P. 90, Lot 157
Providence, RI 02095

REVISIONS:

Date	Issued For:
1/13/2025	Permit Set
2/7/2025	Draft Set
3/10/2025	IFB Set
4/07/2025	IFB Addendum #1
4/19/2025	IFB Addendum #2

NORTH ARROW

SCALE

DRAWING INFO

DATE ISSUED: 4/18/2025
PROJECT NO: RWBD.21.01
DRAWN BY: KAD
CHECKED BY: TDT

SHEET TITLE

Cover Sheet

0-0

1 OF 24

ISSUED FOR BIDDING
NOT FOR CONSTRUCTION

LAYOUT NOTES

- EXISTING CONDITIONS BASED UPON PLAN ENTITLED "DATA ACCUMULATION PLAN AND TOPOGRAPHIC SURVEY ROGER WILLIAMS PARK CUNLIFF LAKE BOARDWALK" PREPARED BY MARTINEZ COUCH AND ASSOCIATES LLC OF ROCKY HILL, CONNECTICUT DATED APRIL 11, 2024.
- BENCHMARKS AND CONTROL POINTS SHALL BE VERIFIED BY CONTRACTOR BEFORE COMMENCING WITH LAYOUT.
- ALL LINES AND DIMENSIONS ARE PARALLEL OR PERPENDICULAR TO THE LINES FROM WHICH THEY ARE MEASURED UNLESS OTHERWISE INDICATED.
- STORAGE AREAS FOR CONTRACTOR'S EQUIPMENT AND MATERIALS SHALL BE ON AND WITHIN LIMITS OF WORK AS SHOWN ON THE PLANS AND AS APPROVED BY THE OWNER'S REPRESENTATIVE.
- CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN THE FIELD AND REPORT ANY DISCREPANCIES IN THE PLAN TO THE OWNER'S REPRESENTATIVE PRIOR TO STARTING WORK.
- ALL LAYOUTS FOR WALKS AND PATHS SHALL BE ADEQUATELY STAKED BY THE CONTRACTOR AND APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION.
- ALL PLACEMENT OF SITE FURNISHINGS, BOULDERS, PLAY STRUCTURES AND OUTDOOR FITNESS EQUIPMENT TO BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.

PLANTING NOTES

- SEE SECTION 32 91 13 - SOIL PREPARATION, 32 92 00 - TURF AND GRASSES, AND 32 93 00 - PLANTS OF TECHNICAL SPECIFICATIONS.
- ALL NEW PLANT MATERIALS SHALL CONFORM TO THE MINIMUM GUIDELINES ESTABLISHED FOR NURSERY STOCK PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, INC. IN ADDITION, ALL NEW PLANT MATERIAL FOR THE PROJECT SHALL BE OF SPECIMEN QUALITY.
- ALL NEW PLANTS TO BE BALLED AND BURLAPPED OR CONTAINER GROWN, UNLESS OTHERWISE NOTED ON THE PLANT LIST.
- THE CONTRACTOR SHALL SUPPLY ALL NEW PLANT MATERIAL IN QUANTITIES SUFFICIENT TO COMPLETE THE PLANTING SHOWN ON THE DRAWINGS.
- ANY PROPOSED SUBSTITUTIONS OF PLANT SPECIES SHALL BE MADE WITH PLANTS OF EQUIVALENT OVERALL FORM, HEIGHT, BRANCHING HABIT, FLOWER, LEAF, COLOR, FRUIT AND CULTURE, AND ONLY AFTER WRITTEN APPROVAL OF THE LANDSCAPE ARCHITECT.
- ALL NEW PLANTS SHALL BE TAGGED AND APPROVED BY THE LANDSCAPE ARCHITECT AT THE NURSERY PRIOR TO DIGGING OR DELIVERY TO THE SITE.
- CONTRACTOR SHALL LOCATE AND VERIFY ALL EXISTING UTILITY LINES PRIOR TO PLANTING AND SHALL REPORT ANY CONFLICTS TO THE LANDSCAPE ARCHITECT.
- STAKE LOCATIONS OF ALL PROPOSED PLANTING FOR APPROVAL BY THE LANDSCAPE ARCHITECT PRIOR TO THE COMMENCEMENT OF PLANTING. INDIVIDUAL STAKES SHALL BE PLACED FOR TREES AND SHRUBS. EDGE OF PLANTING BEDS SHALL BE PAINTED. NOTIFY LANDSCAPE ARCHITECT 24 HOURS PRIOR TO DESIRED APPROVAL.
- ALL NEW PLANTS SHALL BE SUPPLIED AND INSTALLED DURING THE PERIODS OF APRIL 1 - JUNE 15 AND/OR SEPTEMBER 1 - NOVEMBER 15 PER SPECIFICATIONS.
- PREPARE ALL INDIVIDUAL TREE PITS AND SHRUB PLANTING BEDS TO A MINIMUM DEPTH OF EIGHTEEN INCHES (18") WITH SPECIFIED PLANTING MIX: 50% SCREENED TOPSOIL, 40% EXISTING SOIL AND 10% COMPOST. BLEND COMPOST INTO TOP 4" OF SOIL. PLANTING MIX SHALL BE FREE OF LUMPS, STONES, PLANTS, ROOTS, AND OTHER FOREIGN MATTER.
- ALL SHRUB BEDS AND INDIVIDUAL TREE PITS SHALL RECEIVE THREE (3) INCHES OF BARK MULCH PER SPECIFICATIONS. PERENNIAL AND GROUNDCOVER BEDS SHALL RECEIVE TWO INCHES (2"). PROVIDE LANDSCAPE ARCHITECT WITH SAMPLE FOR APPROVAL.
- ALL BURLAP, TWINE AND WIRE SHALL BE COMPLETELY REMOVED OR CUT AWAY AT TIME OF INSTALLATION.
- PRUNE TREES IN ACCORDANCE WITH THE SPECIFICATIONS.
- PLANT WARRANTY SHALL BE FOR ONE FULL GROWING SEASON FROM THE TIME OF SUBSTANTIAL COMPLETION.
- LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ALL DAMAGED, STOLEN, DEAD, DECLINING OR LOST MATERIAL UNTIL COMPLETION OF MAINTENANCE PERIODS OR GUARANTEE PERIODS.
- IF NO IRRIGATION SYSTEM IS PLANNED, AN APPROPRIATE WATERING SCHEDULE SHALL BE ESTABLISHED BY THE LANDSCAPE CONTRACTOR FOR ALL PLANT MATERIAL BASED UPON PLANT SPECIES REQUIREMENTS AND PROVIDED IN WRITING TO THE LANDSCAPE ARCHITECT AND OWNER FOR REVIEW AND APPROVAL. THE APPROVED SCHEDULE SHOULD BE FOLLOWED UNTIL COMPLETION OF PLANT MAINTENANCE PERIODS OR WARRANTY PERIODS.
- ALL VEGETATION AND DEBRIS SHALL BE REMOVED FROM PROPOSED PLANTING AREAS PRIOR TO PLANTING AND BACKFILLING. CONTRACTOR SHALL REMOVE ALL WEEDS AND DEBRIS FROM SITE AS WORK PROGRESSES AND UNTIL COMPLETION OF PLANT MAINTENANCE PERIODS OR WARRANTY PERIODS.
- ALL AREAS TO BE SEEDED OR SODDED SHALL RECEIVE SIX INCHES (6") OF LOAM, MEASURED AFTER INSTALLATION, PRIOR TO SEEDING.
- ALL EXISTING LAWN AREAS DESIGNED TO REMAIN SHALL BE AERATED, FERTILIZED AND OVERSEEDED, AS DIRECTED BY THE LANDSCAPE ARCHITECT.
- IN ADDITION TO LOCATIONS DEFINED FOR SEED ON THE PLANTING PLAN, THE CONTRACTOR SHALL BE RESPONSIBLE FOR SEEDING ANY DISTURBED AREAS.
- A DETAILED PLANT MAINTENANCE MANUAL SHALL BE ESTABLISHED BY THE LANDSCAPE CONTRACTOR FOR ALL PLANT MATERIAL BASED UPON PLANT SPECIES REQUIREMENTS AND PROVIDED IN WRITING TO THE LANDSCAPE ARCHITECT AND OWNER FOR REVIEW AND APPROVAL. INFORMATION THEREIN SHALL INCLUDE REQUIRED PRUNING SCHEDULE, FERTILIZING AND PROPOSED INTEGRATED PEST MANAGEMENT (IPM) AS NECESSARY. THE APPROVED MAINTENANCE SHOULD BE FOLLOWED UNTIL COMPLETION OF PLANT MAINTENANCE PERIODS OR WARRANTY PERIODS.
- LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING CLOSE COORDINATION WITH OWNER, GENERAL CONTRACTOR, RELATED SUBCONTRACTORS, LANDSCAPE ARCHITECT, AND ALL SITE WORK RELATED ITEMS.

SPILL PREVENTION AND CONTROL NOTES

- SPILLS AND LEAKS SHALL BE AVOIDED THROUGH FREQUENT INSPECTION OF EQUIPMENT AND MATERIAL STORAGE AREAS, AND SHALL BE REMEDIATED AND REPAIRED AS NECESSARY.
- HAZARDOUS MATERIAL STORAGE TO BE PLACED ONLY IN DESIGNATED AREAS. MATERIAL STORAGE AREAS SHALL BE ROUTINELY INSPECTED FOR LEAKY CONTAINERS, OPEN CONTAINERS, OR IMPROPER STORAGE TECHNIQUES THAT MAY LEAD TO SPILLS OR LEAKS.
- APPROPRIATE SPILL REMEDIATION PROCEDURES AND SUPPLIES SHALL BE READILY AVAILABLE ON-SITE. TOOLS AND SUPPLIES SHALL BE CLEARLY MARKED SO THAT ALL PERSONNEL CAN LOCATE AND ACCESS THESE SUPPLIES.
- SPILL REMEDIATION SHALL BE PERFORMED IMMEDIATELY. CONTRACTOR SHALL FOLLOW PROPER RESPONSE PROCEDURES IN ACCORDANCE WITH ANY APPLICABLE REGULATORY REQUIREMENTS.
- AT NO TIME SHALL SPILLS BE DIVERTED TOWARD STORM DRAINS OR TO ANY WATERWAY.
- EQUIPMENT/VEHICLE FUELING AND REPAIR/MAINTENANCE OPERATIONS SHALL TAKE PLACE ONLY WITHIN DESIGNATED STAGING AREAS.
- THE EQUIPMENT OPERATOR SHALL FULLY MONITOR FUELING OPERATIONS TO EQUIPMENT AND VEHICLES AT ALL TIMES.
- ANY SPILLAGE SHALL BE IMMEDIATELY CLEANED WITH SPILL KITS KEPT ON SITE.
- IN THE CASE OF SMALL AMOUNTS OF SOIL CONTAMINATION, SUCH SOIL SHALL BE PLACED IN 55 GALLON DRUMS FOR DISPOSAL BY A LICENSED HAZARDOUS WASTE HAULER.
- IN THE CASE OF A LARGE AMOUNT OF SOIL CONTAMINATION OR DISCHARGE TO THE WATERWAY, RHODE ISLAND DEM AND APPLICABLE AGENCIES SHALL BE NOTIFIED AS REQUIRED. A HAZARDOUS WASTE REMEDIATION FIRM SHALL BE CONTRACTED TO REMOVE AND DISPOSE OF THE CONTAMINATED MATERIAL OR CONTAIN THE SPILL AT NO ADDITIONAL COST.

GRADING & UTILITY NOTES

- SEE SECTIONS 26 00 00 - ELECTRICAL, 31 22 13 - ROUGH GRADING, 32 16 13.23 - PRECAST CONCRETE CURBS AND GUTTERS, AND 32 91 19 - LANDSCAPE GRADING OF TECHNICAL SPECIFICATIONS.
- ALL EXISTING CONDITIONS SHOWN SHALL BE CONSIDERED APPROXIMATE AND ARE BASED ON THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS DO NOT CONFLICT WITH ANY KNOWN EXISTING OR OTHER PROPOSED IMPROVEMENTS. IF CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE ENGINEER PRIOR TO INSTALLATION OF ANY PORTION OF THE SITE WORK WHICH WOULD BE AFFECTED. NO FIELD ADJUSTMENTS IN THE LOCATION OF SITE ELEMENTS SHALL BE MADE WITHOUT THE ENGINEERS APPROVAL.
- ALL WORK PERFORMED AND ALL MATERIALS FURNISHED SHALL CONFORM WITH THE LINES AND GRADES ON THE PLANS AND SITE WORK SPECIFICATIONS, UNLESS OTHERWISE DIRECTED.
- AT ALL LOCATIONS WHERE EXISTING CURBING OR PAVEMENT ABUT NEW CONSTRUCTION, THE EDGE OF THE EXISTING CURB OR PAVEMENT SHALL BE SAW CUT TO A CLEAN, SMOOTH EDGE. BLEND NEW PAVEMENT AND CURBS SMOOTHLY INTO EXISTING BY MATCHING LINES, GRADES AND JOINTS.
- ALL EXISTING AND PROPOSED UTILITY COVERS, GRATES, ETC. SHALL BE ADJUSTED TO BE FLUSH WITH THE SURROUNDING SURFACE OR PAVEMENT FINISH GRADE OF THIS CONTRACT. RIM ELEVATIONS OF STRUCTURES AND MANHOLES ARE APPROXIMATE. FINAL ELEVATIONS ARE TO BE SET FLUSH AND CONSISTENT WITH THE PROPOSED FINAL GRADES.
- THE CONTRACTOR SHALL MAKE ALL ARRANGEMENTS FOR THE ALTERATION OF PRIVATE UTILITIES BY THE UTILITY COMPANIES, AS REQUIRED, INCLUDING OBTAINING ALL PERMITS. ALL COSTS AND FEES BY PRIVATE UTILITY COMPANIES TO BRING SERVICE TO THE SITE SHALL BE PAID FOR BY THE CONTRACTOR.
- THE CONTRACTOR SHALL PROTECT ALL UNDERGROUND DRAINAGE, SEWER AND UTILITY FACILITIES FROM EXCESSIVE VEHICULAR LOADS DURING CONSTRUCTION. ANY DAMAGE TO THESE FACILITIES RESULTING FROM CONSTRUCTION LOADS WILL BE RESTORED TO ORIGINAL CONDITION AT NO COST TO THE OWNER.
- DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL PROTECT EXISTING UTILITIES BY PROVIDING TEMPORARY SUPPORTS OR SHEETING AS REQUIRED AT NO ADDITIONAL COST TO THE OWNER.
- SITE GRADES SHALL CONFORM WITH ADA REQUIREMENTS.
- CONTRACTOR IS REQUIRED TO APPLY FOR, OBTAIN, AND PAY ALL FEES ASSOCIATED WITH CONSTRUCTION PHASE PERMITS. PERMITS MAY INCLUDE, BUT NOT LIMITED TO:

- RHODE ISLAND STATE BUILDING OFFICIAL (INCLUDING BUT NOT LIMITED TO BUILDING, PLUMBING, FIRE, ELECTRICAL, AND MECHANICAL)
- CITY OR PROVIDENCE DEPARTMENT OF PUBLIC WORKS PERMITS

CAST-IN-PLACE/PRECAST CONCRETE NOTES

- SEE SECTIONS 03 11 00 - CONCRETE FORMING AND 03 30 00 - CAST IN PLACE CONCRETE OF TECHNICAL SPECIFICATIONS.
- CONCRETE WORK SHALL CONFORM TO THE LATEST EDITION OF ACI 318 - "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" AND THE RHODE ISLAND STATE BUILDING CODE.
- ALL PRECAST CONCRETE SHALL CONFORM TO THE LATEST EDITION OF THE PCI OR FABRICATOR FOR PRECAST/FABRICATED ELEMENTS [2018 INTERNATIONAL BUILDING CODE (IBC) SECTIONS 1704.2.5-1704.2.5.1]
- CONCRETE SHALL BE PLACED UNDER THE SUPERVISION OF THE APPROVED TESTING AGENCY.
- CONCRETE SHALL BE NORMAL WEIGHT, WITH TYPE II CEMENT, AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 5,000 PSI-TYPICAL. ALL CONCRETE DESIGN MIXES SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL.
- ALL CONCRETE SHALL BE AIR-ENTRAINED WITH AN AIR CONTENT OF 6% +/- 1%.
- ALL EXPOSED EDGES SHALL BE CHAMFERED 3/8" x 45 DEGREES UNLESS NOTED OTHERWISE.
- WHEN CONCRETE IS PLACED AGAINST PREVIOUSLY HARDENED CONCRETE, THE INTERFACE SHALL BE CLEAN, FREE OF LAITANCE AND INTENTIONALLY ROUGHENED OR RAKED TO FULL AMPLITUDE OF APPROXIMATELY 1/4 INCH.
- CONCRETE WASHOUT OPERATIONS TO OR WITHIN WATERWAY MUST NOT TAKE PLACE AT ANY TIME. ANY CEMENT OR CONCRETE DEBRIS LEFT IN THE DISTURBED AREA SHALL BE REMOVED BY HAND AT THE CONTRACTOR'S EXPENSE.
- ENGINEER TO APPROVE EXCAVATION ON FIRM SUBSTRATUM AND UNSATISFACTORY MATERIAL TO BE REMOVED.
- SPECIAL INSPECTION OF FABRICATED ITEMS: COMPLETE SPECIAL INSPECTIONS OF FABRICATED ITEMS PER SECTION 1704.2.5 AND 1704.2.5.1 OF THE 2018 IBC.

REINFORCING STEEL NOTES

- SEE SECTION 03 20 00 - CONCRETE REINFORCING OF TECHNICAL SPECIFICATIONS.
- REINFORCING BARS SHALL BE DETAILED IN ACCORDANCE WITH ACI 315 - "DETAILS AND DETAILING OF CONCRETE REINFORCEMENT" AND THE RHODE ISLAND STATE BUILDING CODE.
- ALL PRECAST CONCRETE REINFORCING STEEL SHALL CONFORM TO THE LATEST EDITION OF THE PCI OR FABRICATOR FOR PRECAST/FABRICATED ELEMENTS [1704.2.5-17054.2.5.1].
- COMPLETE SHOP DRAWINGS AND SCHEDULES OF ALL REINFORCING STEEL SHALL BE PREPARED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO COMMENCEMENT OF THAT PORTION OF THE WORK. ALL ACCESSORIES MUST BE SHOWN ON THE SHOP DRAWINGS.
- REINFORCING BARS SHALL BE GALVANIZED AND CONFORM TO ASTM A615 OR A706 (WELDABLE) GRADE 60.
- ALL SUPPORTS SUCH AS CHAIRS, BOLSTERS, SPACERS, BLOCKS AND HANGERS SHALL BE OF NON-CORROSIVE MATERIAL. BLOCKS SHALL BE MADE OF 5,000 PSI (UN-REINFORCED) CONCRETE.
- UNLESS NOTED ON THE DRAWINGS, THE MINIMUM CONCRETE PROTECTION (CLEAR COVER) FOR CAST-IN-PLACE CONCRETE COVER SHALL BE AS FOLLOWS:
A. FORMED CONCRETE EXPOSED TO EARTH OR WATER: 3"
B. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 4"
- MINIMUM REINFORCEMENT DEVELOPMENT LENGTH SHALL BE IN ACCORDANCE WITH ACI 318 FOR CLASS B LAPS UNLESS NOTED OTHERWISE.
- ALL REINFORCEMENT SHALL BE CONTINUOUS THROUGH CONSTRUCTION JOINTS, AROUND CORNERS, AND LAPPED AT NECESSARY SPLICES OR HOOKED AT DISCONTINUOUS ENDS

STRUCTURAL TIMBER NOTES

- SEE SECTION 06 13 00 - HEAVY TIMBER CONSTRUCTION OF TECHNICAL SPECIFICATIONS.
- STRUCTURAL DESIGN IS BASED ON SOUTHERN YELLOW PINE NO.1 WITH MINIMUM REFERENCE DESIGN VALUES AS SPECIFIED IN THE TABLE BELOW:

COMPONENT	BENDING F _b (PSI)	SHEAR F _v (PSI)	COMPRESSION PERPENDICULAR TO GRAIN F _{c⊥} (PSI)	COMPRESSION PARALLEL TO GRAIN F _c (PSI)	TREATMENT (PCF)
6x10 SYP	1350	165	375	825	0.6 CCA
6x12 SYP	1350	165	375	825	0.6 CCA

- ALL TIMBER FRAMING MEMBERS SHALL BE ROUGH GRADED UNLESS OTHERWISE NOTED.
- TIMBER DESIGNATED AS TREATED SHALL BE PRESSURE TREATED IN ACCORDANCE WITH AVPA STANDARD C2, SERVICE CONDITION UC4B.
- ALL NAILING REQUIREMENTS LISTED ARE BASED UPON THE USE OF COMMON WIRE NAILS (NOT SINKERS, BOX, ETC...). ALTERNATIVE NAIL TYPES OF EQUIVALENT DIAMETERS MAY BE SUBSTITUTED, WITH PRIOR APPROVAL OF ENGINEER OF RECORD.
- ALL BOLTS, NUTS, WASHERS, LAGS, AND SCREWS, SHALL BE MEDIUM CARBON STEEL WITH GALVANIZED COATING. SIZE AND TYPE TO SUIT APPLICATION IN CONFORMANCE WITH ASTM A153.
- BRUSH OR ROLLER APPLY TWO COATS OF WOOD PRESERVATIVE TO ANY SURFACE WHICH HAS BEEN FIELD CUT, DRESSED, OR DRILLED.

COMPOSITE PILE NOTES

- SEE SECTION 31 62 23 - COMPOSITE PILES OF TECHNICAL SPECIFICATIONS.
- FIBER REINFORCED POLYMER (FRP) PILES SHALL HAVE A MINIMUM DIAMETER OF 12 INCHES WITH A 3/8" WALL THICKNESS. THE PILES SHALL BE INSTALLED AT A 1H:20V BATTER FOR THE PILES SUPPORTING THE BOARDWALK. PILES SUPPORTING THE FISHING OVERLOOK WILL BE INSTALLED CONCENTRICALLY, WITHOUT A BATTER.

2.1. BENDING STRESS = 54,289 PSI

2.2. MODULUS OF ELASTICITY = 4,587,990 PSI
- CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING A PILE DRIVING LOG OF DRIVEN DEPTHS AND WILL BE RESPONSIBLE FOR REPORTING ANY PILE OR SET OF PILES NOT MEETING DESIGN REQUIREMENTS AS STATED ON THE SET OF PLANS.

DESIGN CRITERIA

SNOW LOADS (2018 IBC SECTION 1608, 2021 RHODE ISLAND STATE BUILDING CODE TABLE 1608.1)
SNOW LOAD: P_s = 30 PSF

WIND LOADS (2018 IBC SECTION 1609, 2021 RHODE ISLAND STATE BUILDING CODE TABLE 1608.1)
BASIC WIND SPEED = 115 MPH

LIVE LOADS (ASCE/SEI 7-16 MINIMUM DESIGN LOADS AND ASSOCIATED CRITERIA FOR BUILDINGS AND OTHER STRUCTURES TABLE 4.3-1)
PEDESTRIAN LOADING = 100 PSF

EARTHQUAKE LOADS (2018 IBC SECTION 1614)
MAPPED ACCELERATIONS: S_s = 0.176g
S₁ = 0.062g

SITE CLASS D, F_a = 1.6 S_{MS} = 0.282g
F_v = 2.4 S_{M1} = 0.149g

DESIGN SPECTRAL RESPONSE ACCELERATIONS AT 5% DAMPENING, S_{0.5} = 0.188g
S_{0.1} = 0.099g

D1 GENERAL DESIGN RESPONSE SPECTRAL ACCELERATION, PGA = 0.172g
SEISMIC DESIGN CATEGORY B

LEGEND

EXISTING		PROPOSED
	TREELINE	
	CONCRETE WALL	
	RETAINING WALL	
	CONTOUR 1'	
	CONTOUR 5'	
	SPOT ELEVATION	
	FLOOD ZONE BOUNDARY	
	ZONE "X"	
	AREAS OF 0.2% CHANCE FLOOD (SEE FEMA MAP)	
	AREAS OF ROCKS, BOULDERS & OUTCROPS	
	HORIZONTAL CONTROL	
	VERTICAL CONTROL	
	EDGE OF PAVEMENT	
	CURBING	
	WATER LINE	
	HYDRANT	
	GATE VALVE	
	CURBSTOP (WSO)	
	COUPLING	
	REDUCER	
	SIGN	
	CONSTRUCTION SECURITY CHAIN LINK FENCE	
	DUMPSTER ENCLOSURE	
	BITUMINOUS PAVEMENT (SEE LABEL FOR TYPE)	
	CONCRETE WALK (SEE LABEL FOR TYPE)	
	EROSION CONTROL	
	LIMIT OF DISTURBANCE	
	SAWCUT	
	T/C/B	
	FUEL MANHOLE	
	SOIL BORING	

B24-#



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PARKS DEPARTMENT**
DAIRYMPL E BOATHOUSE
ROGER WILLIAMS PARK
PROVIDENCE, RI 02905



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PROJECT:

**Cunliff Lake Boardwalk
at Roger Williams Park**

1000 Elmwood Avenue
A.P. 90, Lot 157
Providence, RI 02095

REVISIONS:

Date	Issued For:
1/13/2025	Permit Set
2/7/2025	Draft Set
3/10/2025	IFB Set
4/07/2025	IFB Addendum #1
4/19/2025	IFB Addendum #2

NORTH ARROW

SCALE

DRAWING INFO

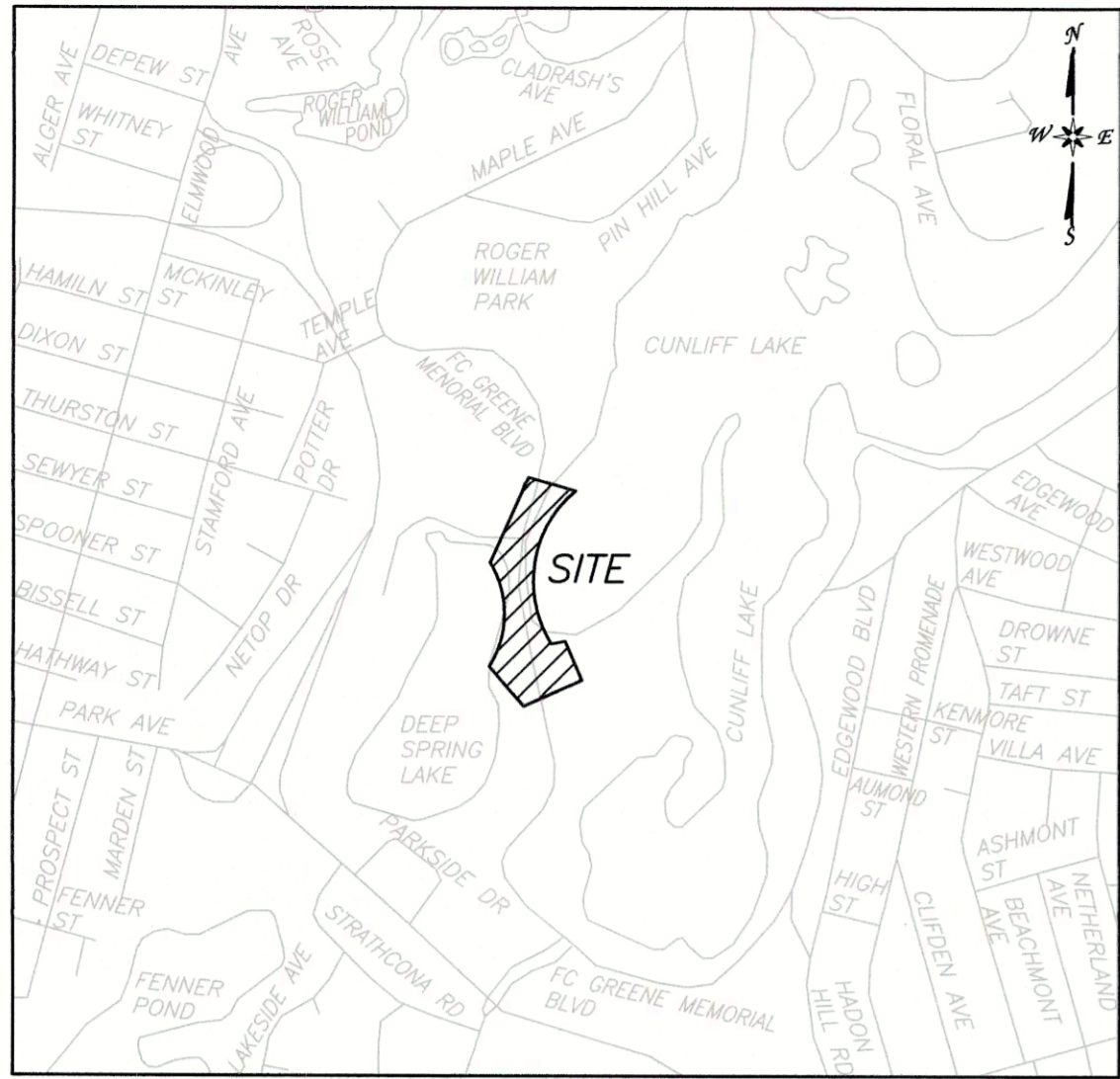
DATE ISSUED: **4/18/2025**
PROJECT NO: **RWBD.21.01**
DRAWN BY: **KAD**
CHECKED BY: **TDT**

SHEET TITLE

GENERAL NOTES

G1.0

2 OF 24



SURVEY NOTES:

- 1) THIS SURVEY AND MAP HAS BEEN PREPARED TO HORIZONTAL ACCURACY CLASS III AND A TOPOGRAPHIC ACCURACY OF CLASS T-2 AND IS INTENDED TO BE USED TO DEPICT EXISTING CONDITIONS.
- 2) NORTH ORIENTATION AND COORDINATES REFER TO RHODE ISLAND STATE PLANE COORDINATE SYSTEM NAD 83.
- 3) ELEVATIONS ARE BASED ON NAVD 88 OBTAINED UTILIZING RTK GPS METHODS, OBSERVATIONS MADE ON 03/26/2024.
- 4) PARCEL IS IN ZONE A FLOOD HAZARD ZONES AS DEPICTED ON THE FLOOD INSURANCE RATE MAP, TOWN OF CRANSTON, RHODE ISLAND, PANEL 318 OF 451, COMMUNITY PANEL NUMBER 44007C0318H, MAP REVISED OCTOBER 02, 2015 BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY.
- 5) NOT ALL IMPROVEMENTS ARE SHOWN.

SYMBOLS LEGEND

● Benchmark	▽ Wetland Flag
□ Monument	○ Rock/Boulder
⌵ Utility Pole w/ Light	- - - 100 - - - Contour Line
⊙ Deciduous Tree	101.8 Spot Grade
☆ Coniferous Tree	— — — — — Guardrail
⊙ Bush	— — — — — Stone Wall
○ Post/Bollard	— — — — — Treeline
⊠ Sign	— — — — — Underground Drain Line
⊞ Handhole	— · · · — Edge of Lake



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ROGER WILLIAMS PARK
CUNLIFF LAKE BOARDWALK

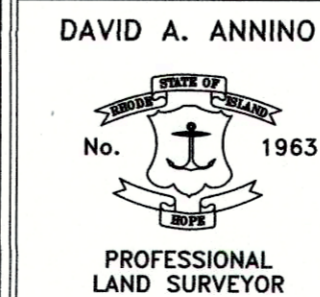
PROVIDENCE , RHODE ISLAND

PREPARED FOR: PARE CORPORATION

THIS SURVEY HAS BEEN CONDUCTED AND THE PLAN HAS BEEN PREPARED PURSUANT TO SECTION 9 OF THE RULES AND REGULATIONS ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS ON NOVEMBER 26, 2015, AS FOLLOWS:

TOPOGRAPHIC SURVEY - CLASS T-2
THE PURPOSE FOR THE CONDUCT OF THE SURVEY AND FOR THE PREPARATION OF THE PLAN IS AS FOLLOWS: TO DEPICT EXISTING TOPOGRAPHIC CONDITIONS.

DAVID A. ANNINO P.L.S. #1963, COA #LS-A711 DATE 4/11/2024
THIS MAP IS NOT VALID WITHOUT A LIVE SIGNATURE AND SEAL

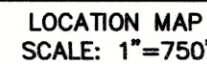


NO.	DATE	REVISIONS	BY	CHK	APPV
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△					
DRAWN BY: TDL			CHECKED BY: JPB		SCALE: 1"=20'
			DATE: 04-11-2024		

DATA ACCUMULATION PLAN

TOPOGRAPHIC SURVEY

JOB NO.	DRAWING NUMBER	SHEET
2023-307	2023-307 Cunliff Broadway RWP.DWG	2 OF 2

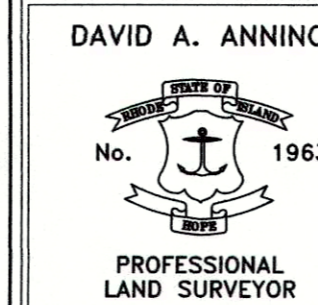


- 1 THIS SURVEY AND MAP HAS BEEN PREPARED TO HORIZONTAL ACCURACY CLASS III AND A
- 2 TOPOGRAPHIC ACCURACY OF CLASS TWO AND IS INTENDED TO BE USED TO DEPICT
- 3 CONTIGUOUS LANDS AND WATER BODIES.
- 4 NORTH AND EASTING COORDINATES REFER TO RHODE ISLAND STATE PLANE
- 5 COORDINATE SYSTEM, NAD 83.
- 6 ELEVATIONS ARE BASED ON NAVD 88 OBTAINED UTILIZING RTK GPS METHODS,
- 7 OBSERVATIONS MADE ON 03/26/2024.
- 8 FLOOD ZONE INFORMATION FROM THE FLOOD HAZARD ZONES AS DEPICTED ON THE FLOOD INSURANCE
- 9 RATE MAP, TOWN OF CRANFORD, RHODE ISLAND, PANEL 318 OF 451, COMMUNITY PANEL
- 10 NUMBER 4400700318H, MAP REVISED OCTOBER 02, 2015 BY THE FEDERAL EMERGENCY
- 11 MANAGEMENT AGENCY.
- 12 NOT ALL IMPROVEMENTS ARE SHOWN.



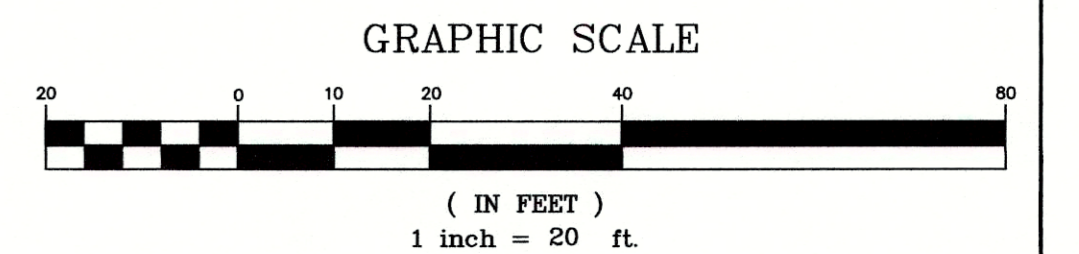
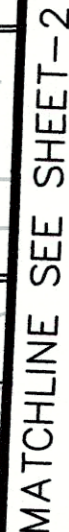
PREPARED FOR: PARE CORPORATION

DAVID A. ANNINO P.L.S. #1963, COA #LS-A711 DATE
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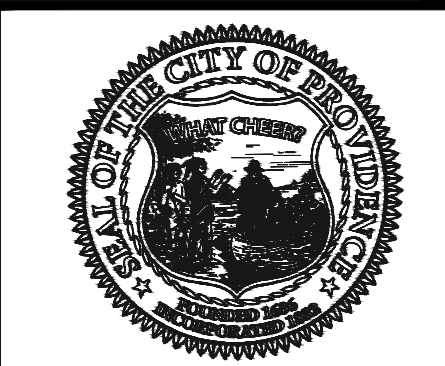
NO.	DATE	REVISIONS				BY	CHK APPY
DRAWN BY: TDL		CHECKED BY: JPB	SCALE: 1"=20'		DATE: 04-11-2024		

JOB NO.	DRAWING NUMBER	SHEET
2023-307	2023-307 Cunliff Broadway RWP.DWG	1 OF 2





AERIAL SITE PLAN
SCALE: 1:500



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**Cunliff Lake Boardwalk
at Roger Williams Park**

1000 Elmwood Avenue
A.P. 90, Lot 157
Providence, RI 02095

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NORTH ARROW

SCALE

DRAWING INFO
DATE ISSUED: 4/18/2025
PROJECT NO: RWBD.21.01
DRAWN BY: KAD
CHECKED BY: TDT

SHEET TITLE
AERIAL

C1.2
5 OF 24

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PROVIDENCE, RI 02905



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PROJECT:

**Cunliff Lake Boardwalk
at Roger Williams Park**

1000 Elmwood Avenue
A.P. 90, Lot 157
Providence, RI 02095

REVISIONS:

Date	Issued For:
1/13/2025	Permit Set
2/7/2025	Draft Set
3/10/2025	IFB Set
4/07/2025	IFB Addendum #1
4/19/2025	IFB Addendum #2

NORTH ARROW

SCALE

DRAWING INFO

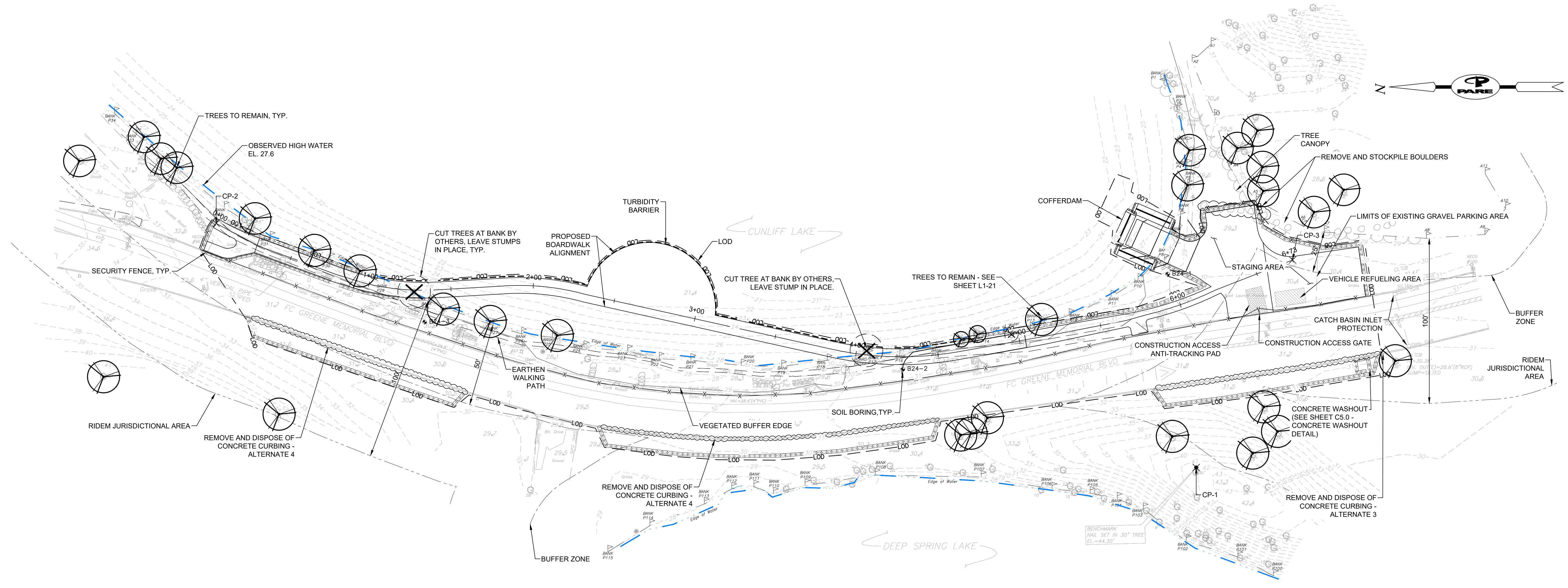
DATE ISSUED: 4/18/2025
PROJECT NO: RWBD.21.01
DRAWN BY: KAD
CHECKED BY: TDT

SHEET TITLE

**EXISTING SITE
AND DEMO
PLAN**

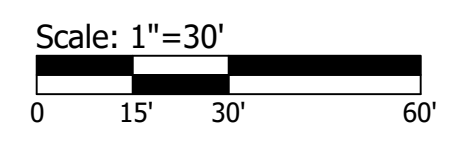
C2.0

6 OF 24

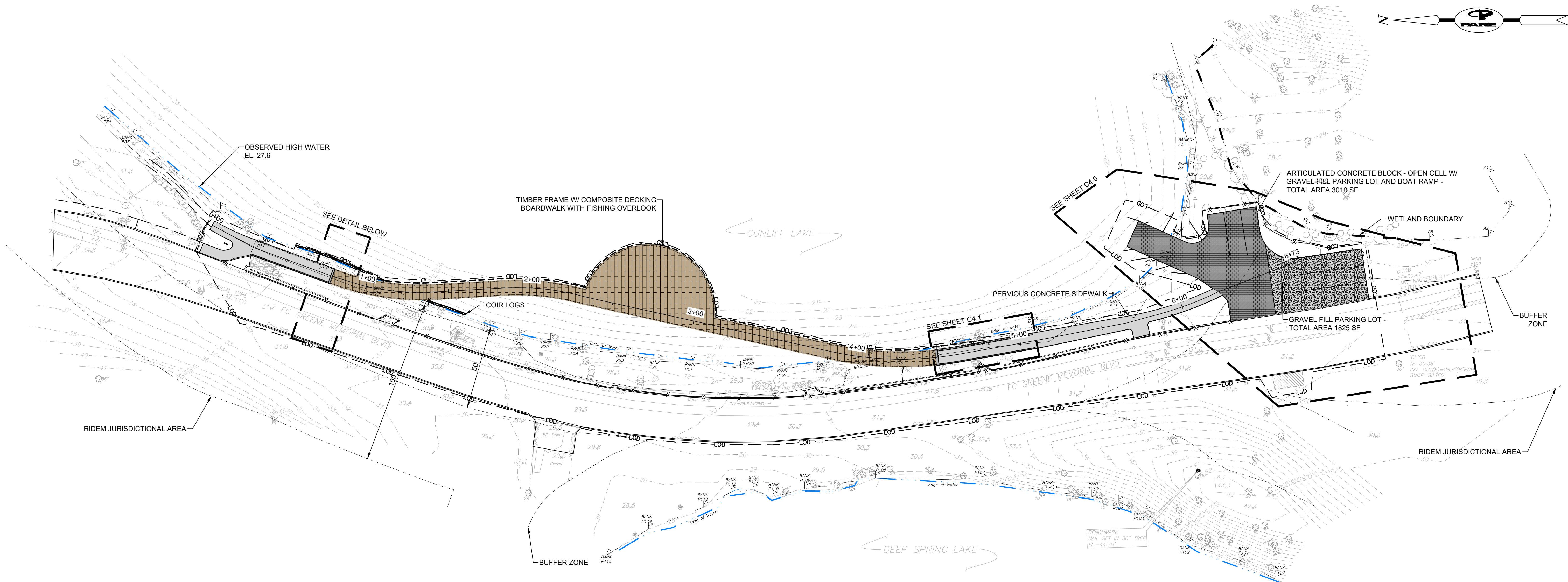


EXISTING SITE PLAN
SCALE: 1" = 30'

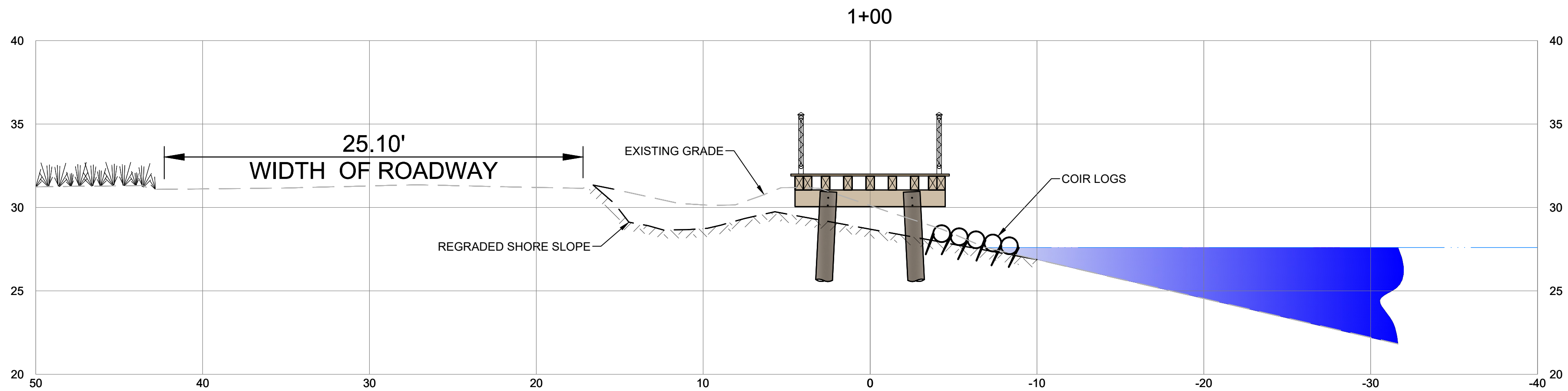
CONTROL POINTS		
LABEL	NORTHING	EASTING
CP-1	4627857.6130	299317.0150
CP-2	4628037.3330	299367.3500
CP-3	4627838.7080	299354.8020



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PROPOSED SITE PLAN - BASE BID
SCALE: 1" = 30'



NORTHERN SHORE SLOPE GRADING AND COIR LOG SECTION
SCALE: 1" = 5'

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NORTH ARROW

SCALE

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SHEET TITLE

PROPOSED
BASE BID SITE
PLAN

C3.0

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NORTH ARROW

SCALE

DRAWING INFO

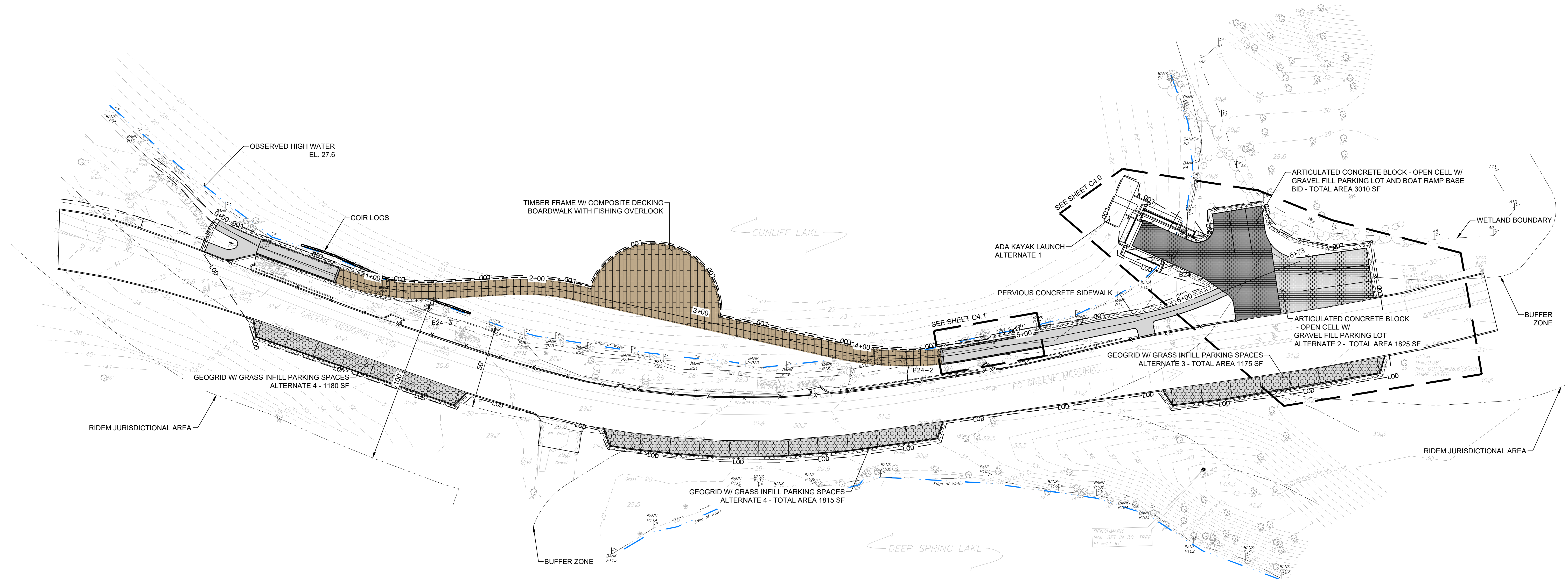
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SHEET TITLE

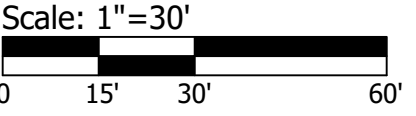
PROPOSED
ADD ALT SITE
PLAN

C3.1

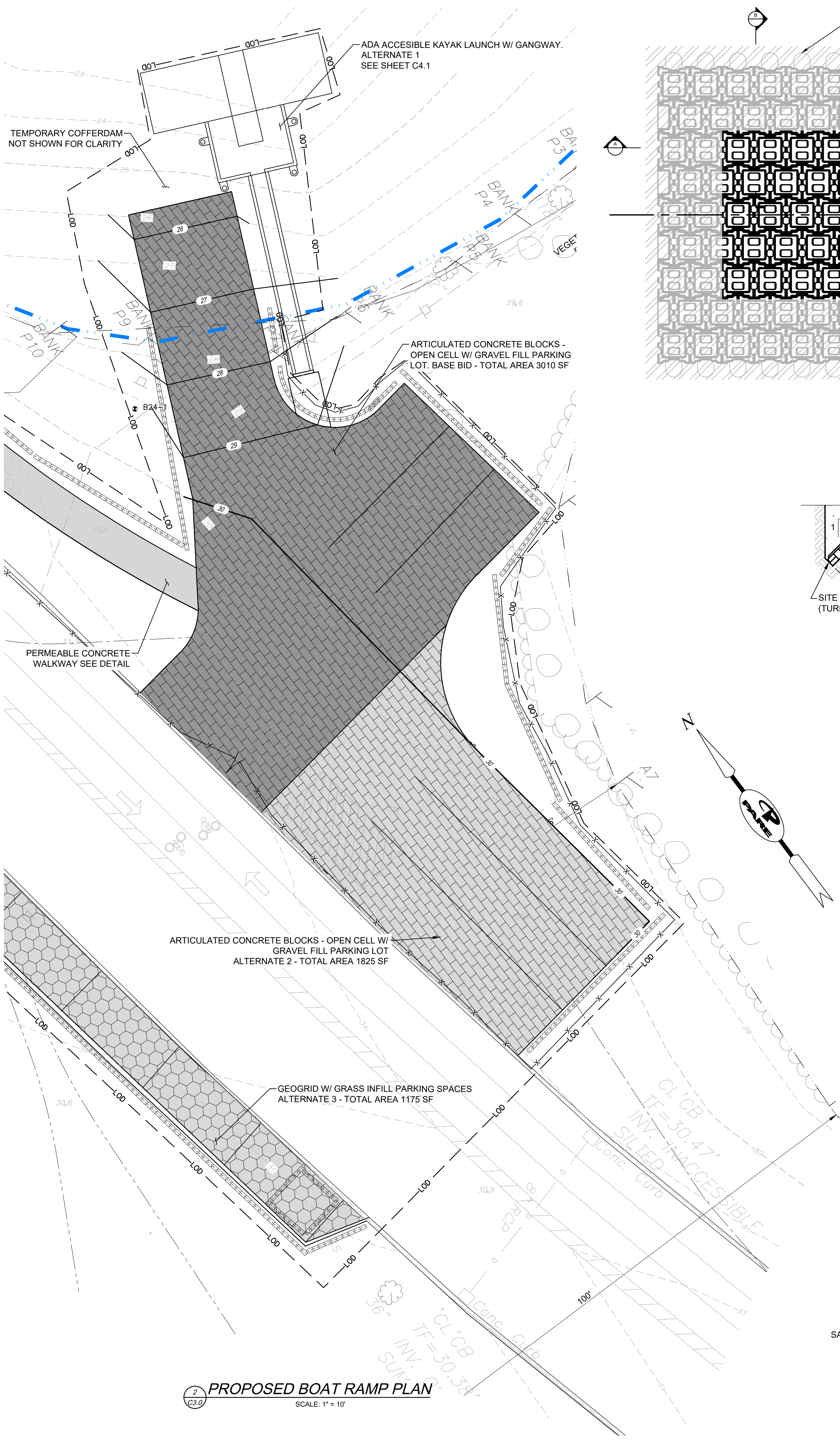
8 OF 24



PROPOSED SITE PLAN - ADD ALT
SCALE: 1" = 30'

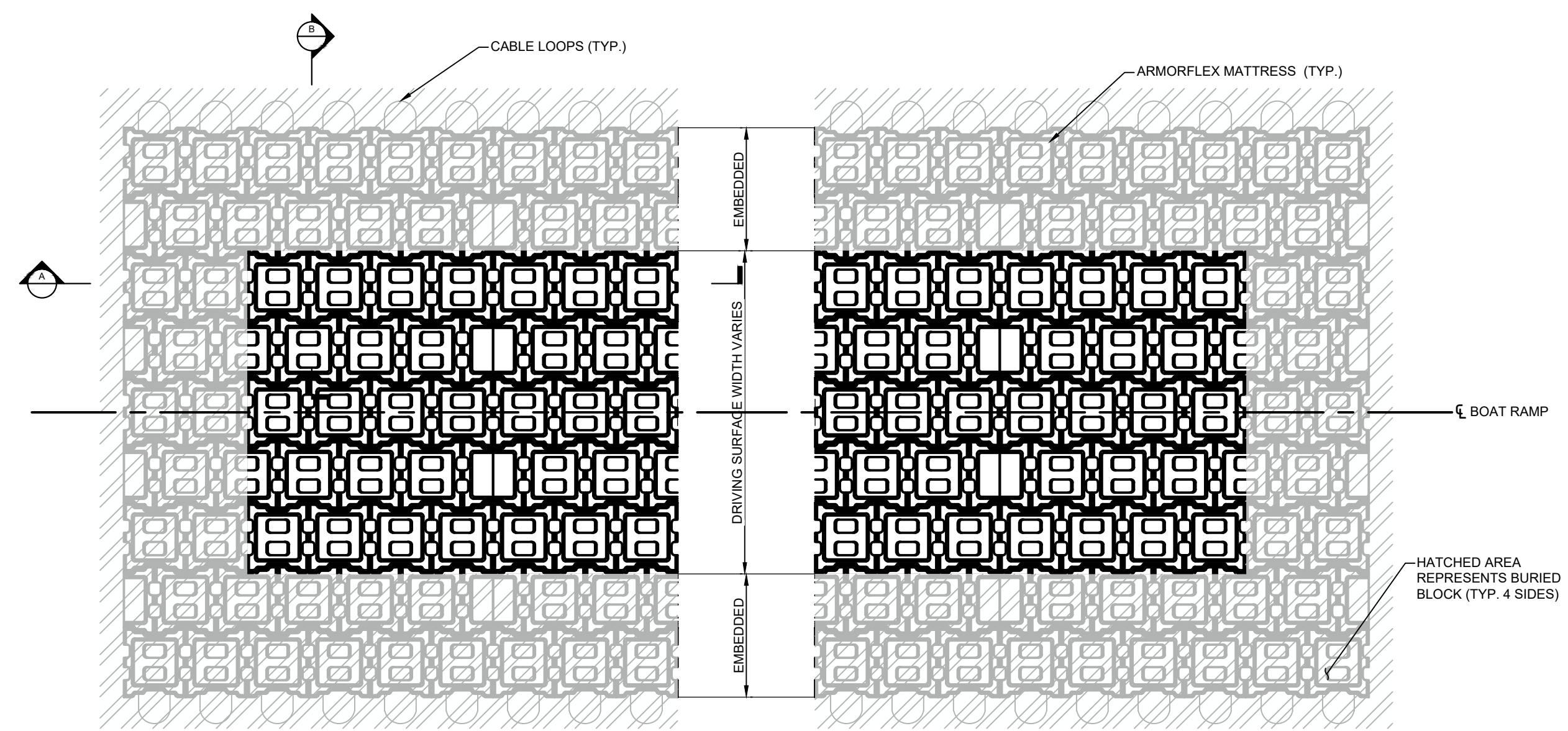


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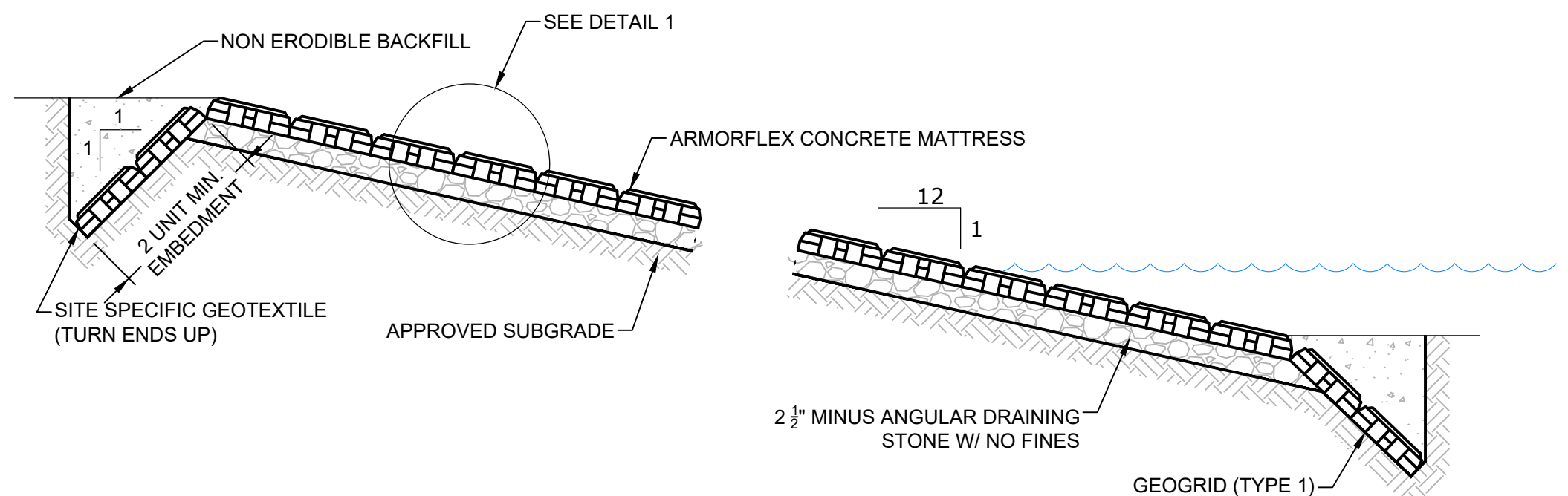


2
C3.0

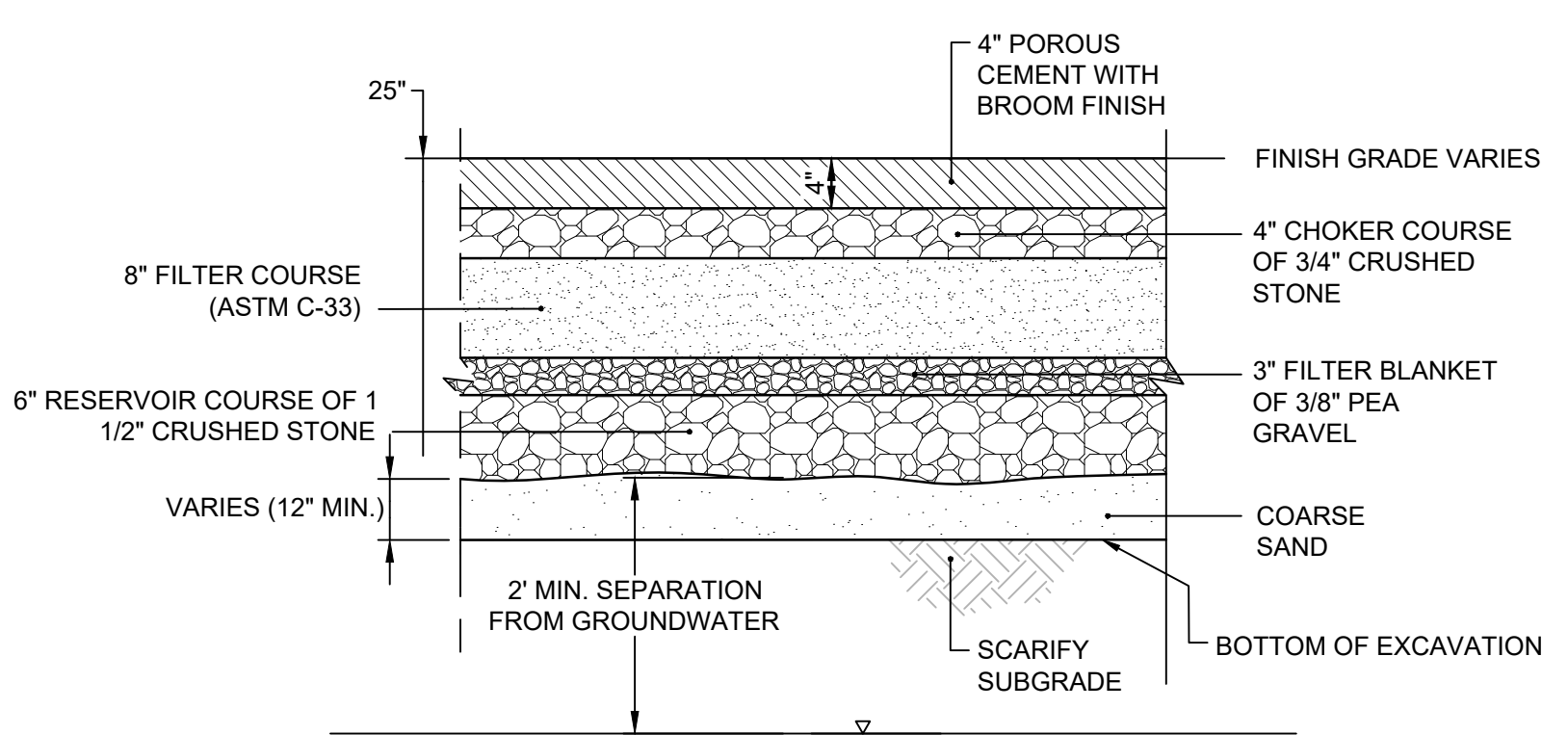
PROPOSED BOAT RAMP PLAN
SCALE: 1" = 10'



BOAT RAMP PLAN
NOT TO SCALE



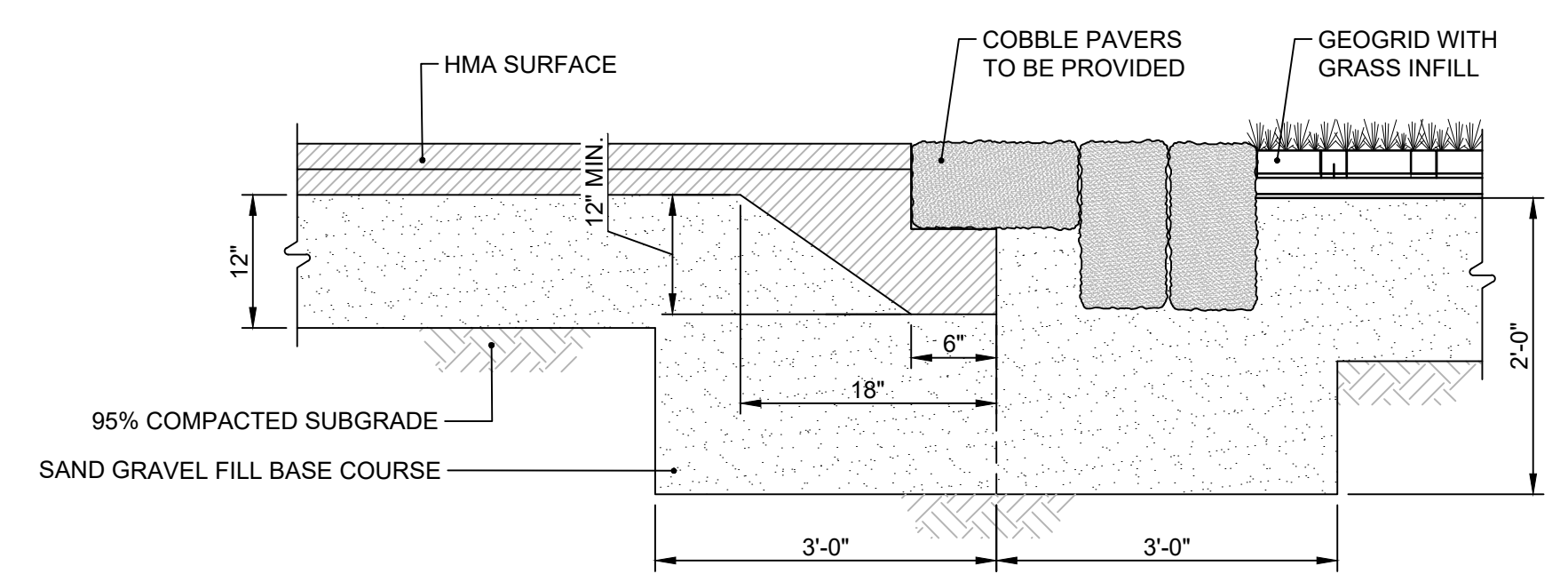
SECTION A
NOT TO SCALE



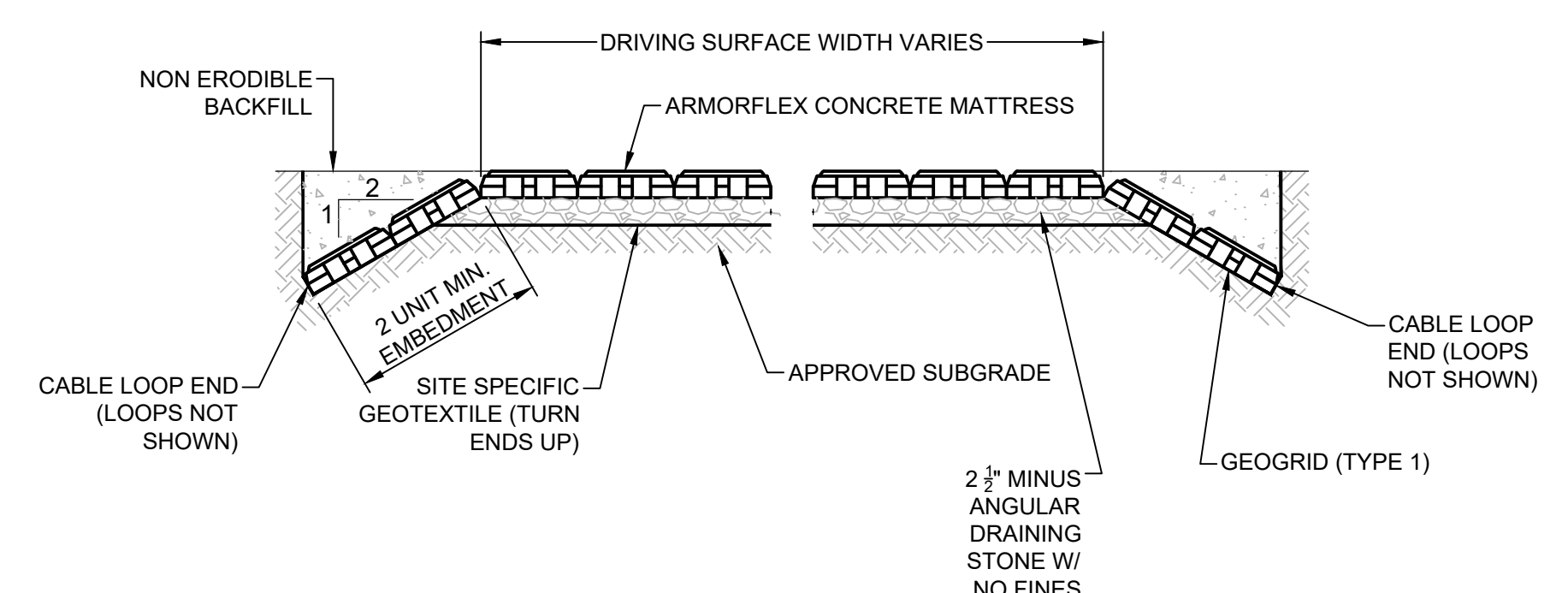
NOTES:

1. CONTRACTOR SHALL EXCAVATE FILL DOWN TO NATURAL SOILS. REMOVE ALL FILL SOILS. CONSTRUCT SUBGRADE USING COARSE SAND. REFER TO BORING LOGS FOR ELEVATION OF NATURAL SOILS.

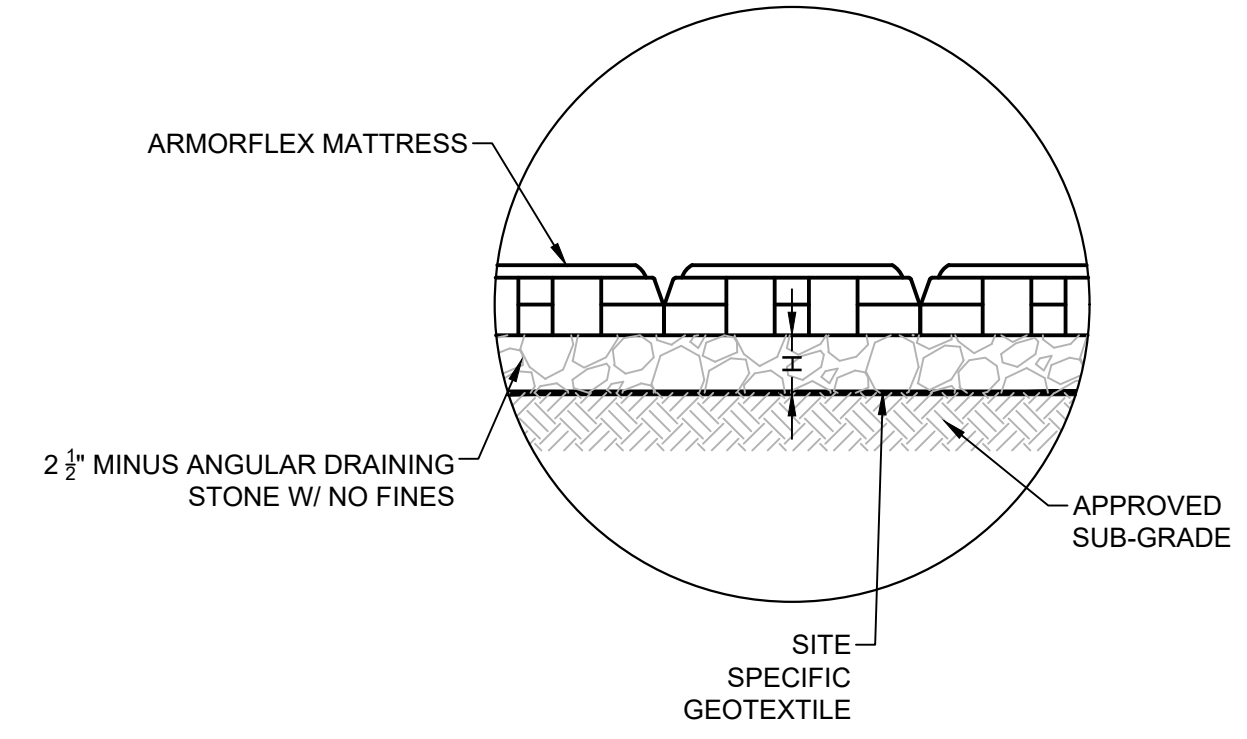
PERMEABLE CONCRETE WALKWAY DETAIL
NOT TO SCALE



ASPHALT TO GEOGRID TRANSITION DETAIL
NOT TO SCALE



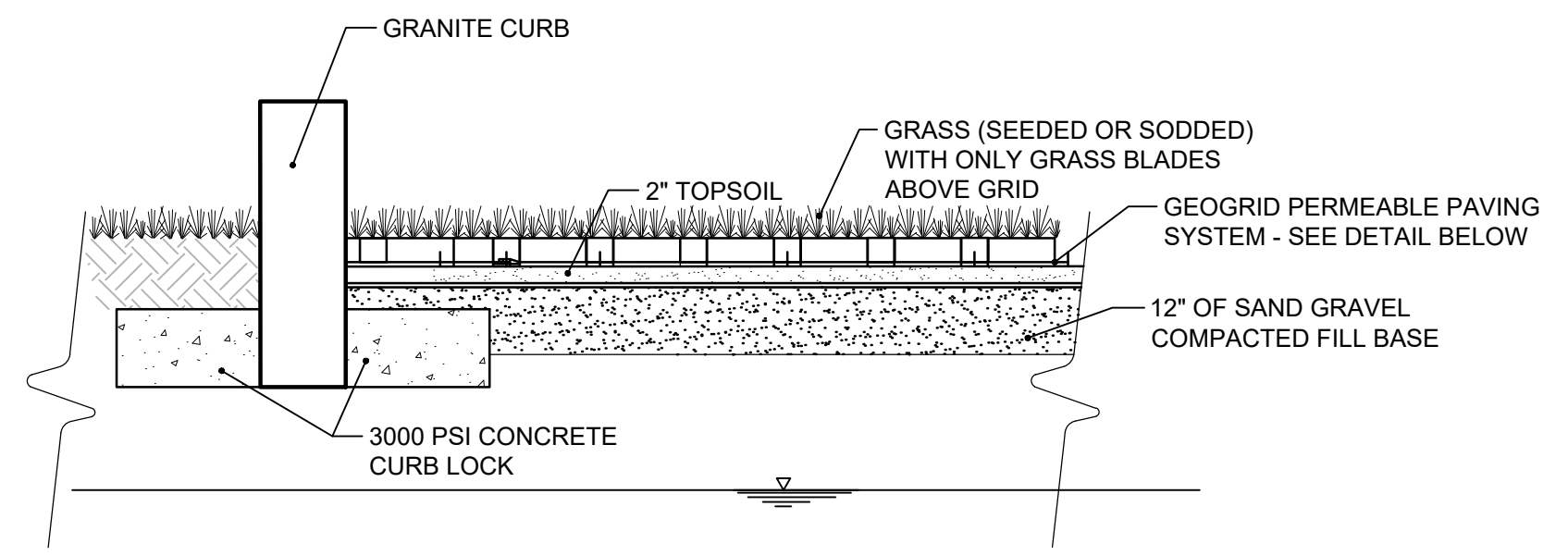
SECTION B
NOT TO SCALE



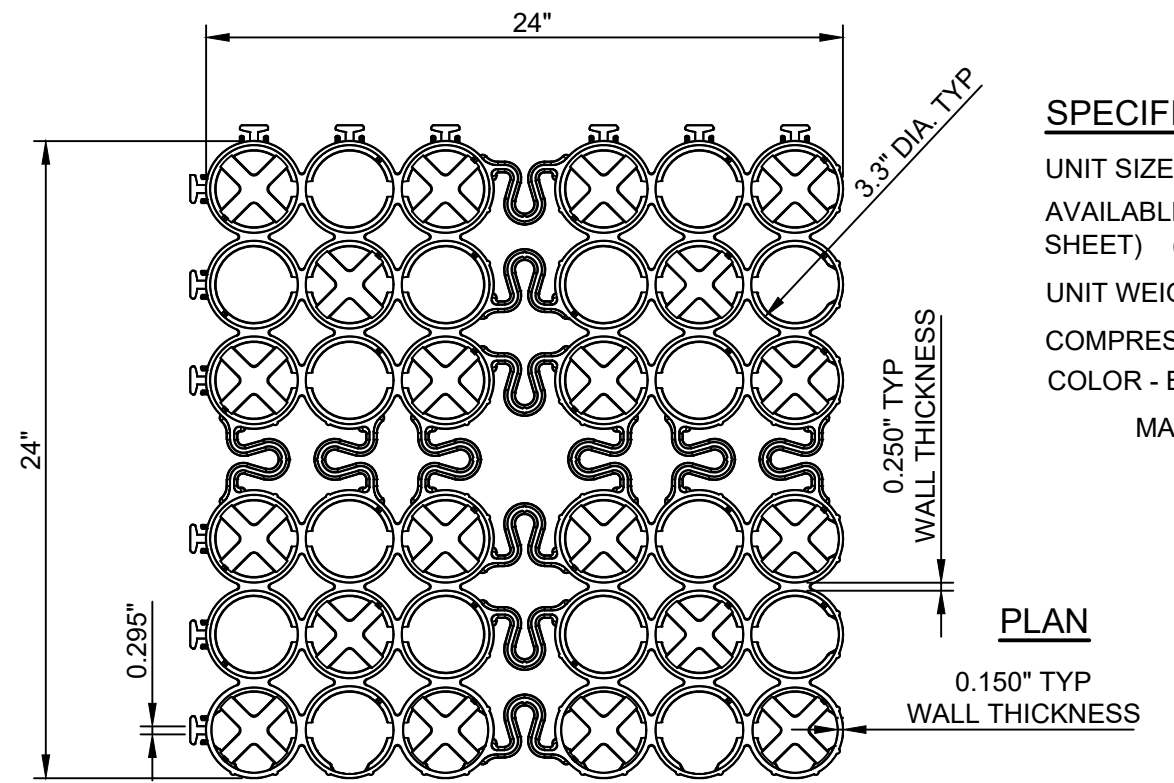
DETAIL 1
NOT TO SCALE

CBR%	1	2	3	4	5
UNREINFORCED STONE THICKNESS, H (IN.)	61	31	20	15	11
REINFORCED STONE THICKNESS, H (IN.)	36"	16	8	8	8

NOTE: SECTION DEVELOPED ASSUMING 1000 PASSES OF HET MILITARY LOADING
* 2 LAYERS OF TYPE 1 GEOGRID, AT SUBGRADE AND MIDDLE OF DRAINAGE BOX



ADD ALTERNATE 2 AND 3 DETAIL - GEOGRID WITH GRASS INFILL
NOT TO SCALE

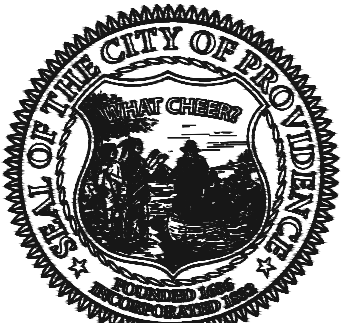


GEOGRID DETAIL
NOT TO SCALE

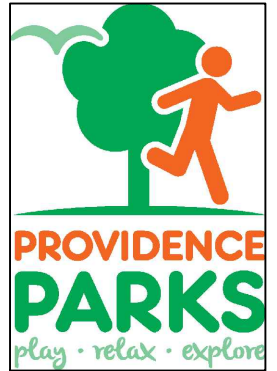
SPECIFICATIONS
UNIT SIZE - 24" X 24" X 1.8"
AVAILABLE IN 16 SQ/FT PER LAYER (4' X 4' SHEET) (4 GRIDS PER LAYER)
UNIT WEIGHT - 5.22 POUNDS
COMPRESSIVE STRENGTH - OVER 8,000 PSI FILLED
COLOR - BLACK WITH UV STABILIZER
MATERIAL: RECYCLED HDPE (100% POST-CONSUMER)

PLAN
0.150" TYP. WALL THICKNESS

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REVISIONS:

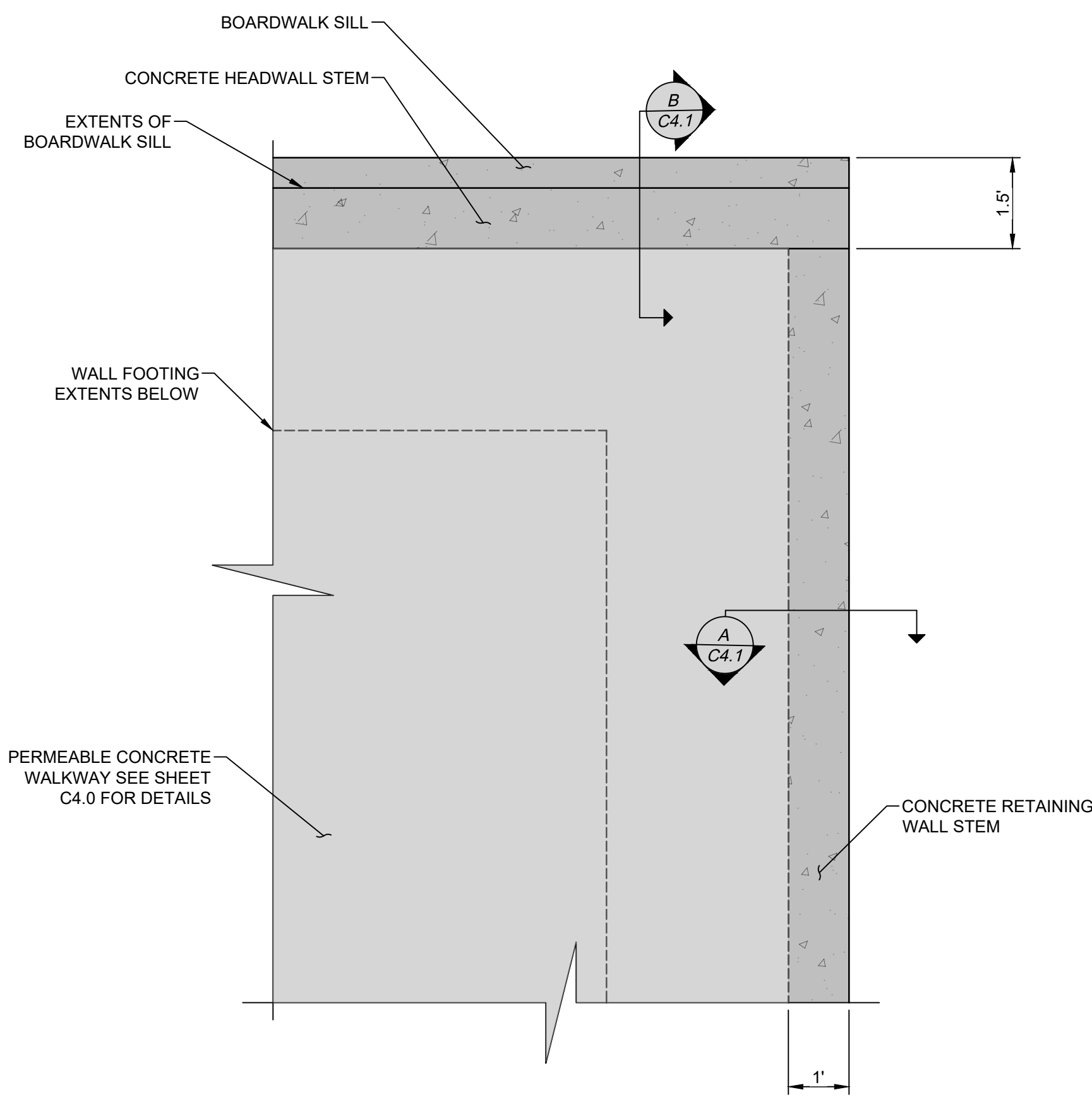
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NORTH ARROW

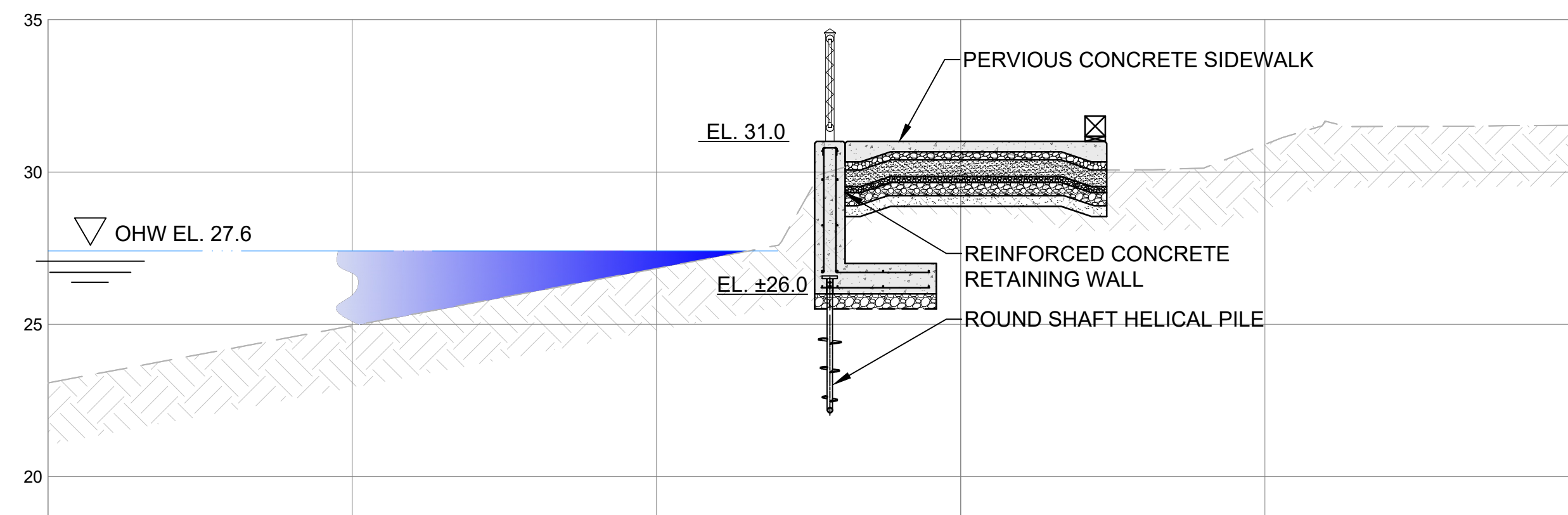
SCALE

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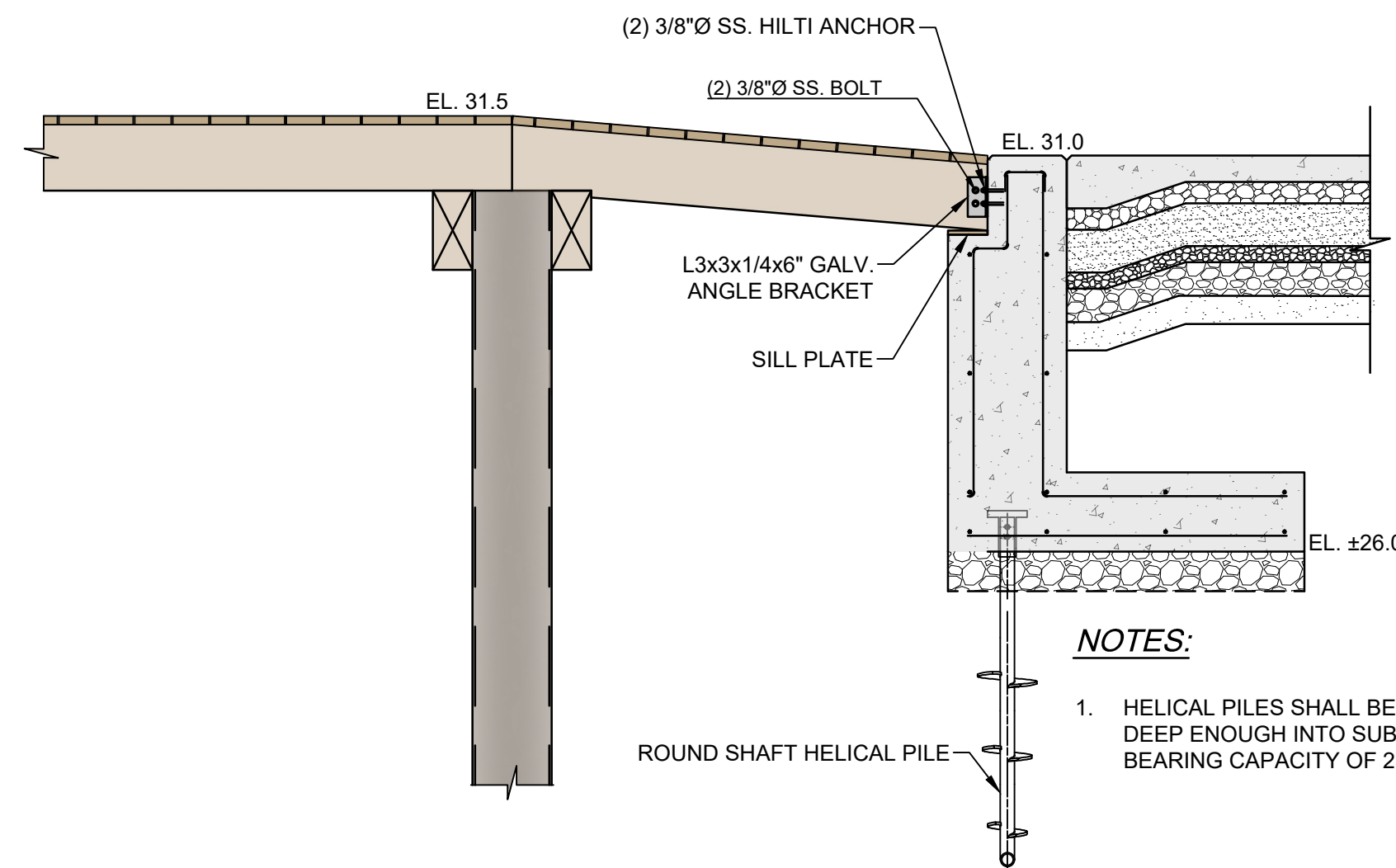
SHEET TITLE
BOAT RAMP SECTIONS & DETAILS
C4.0
9 OF 24



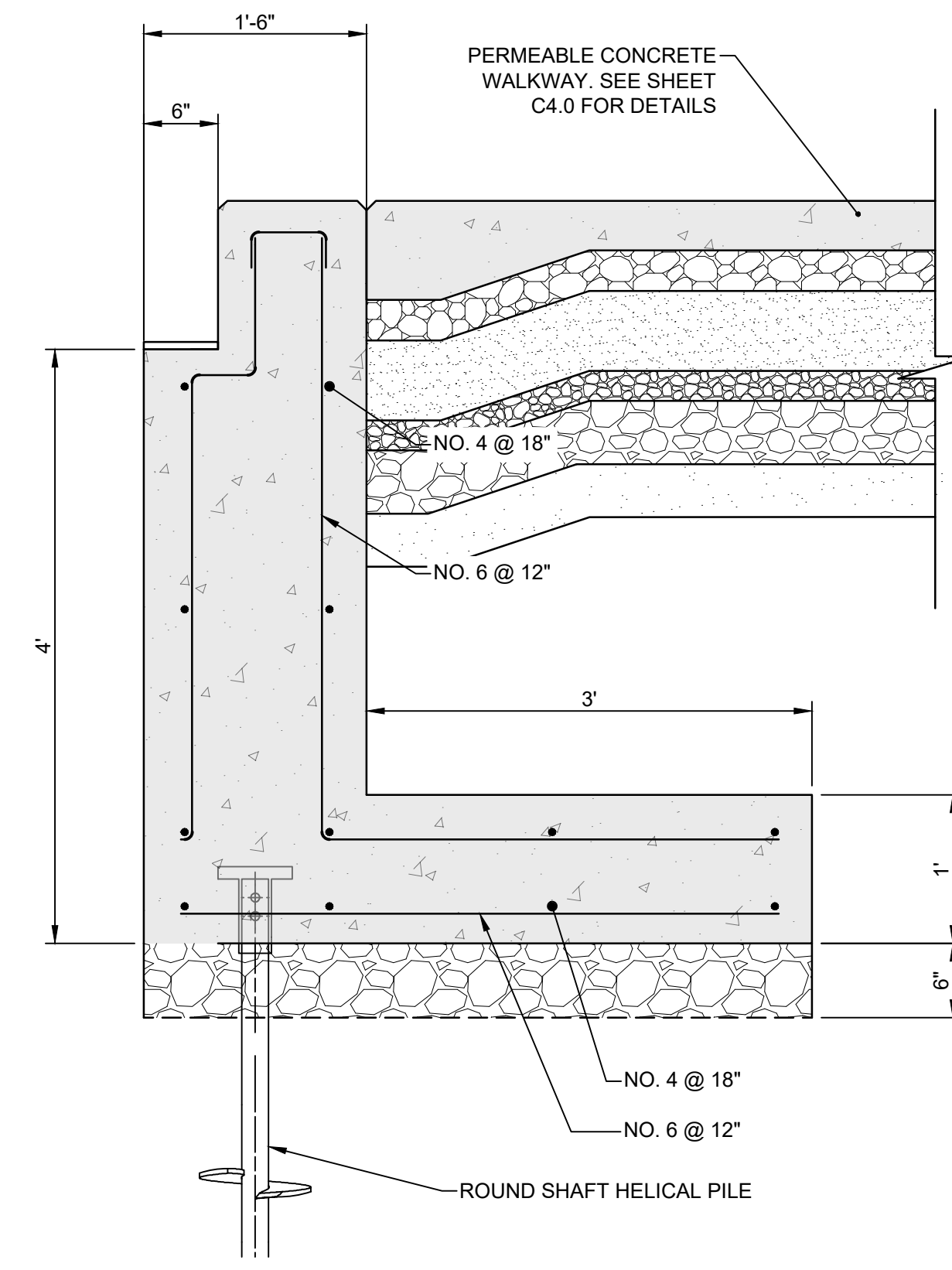
CONCRETE RETAINING WALL AND HEADWALL TRANSITION
SCALE: 1"= 2'



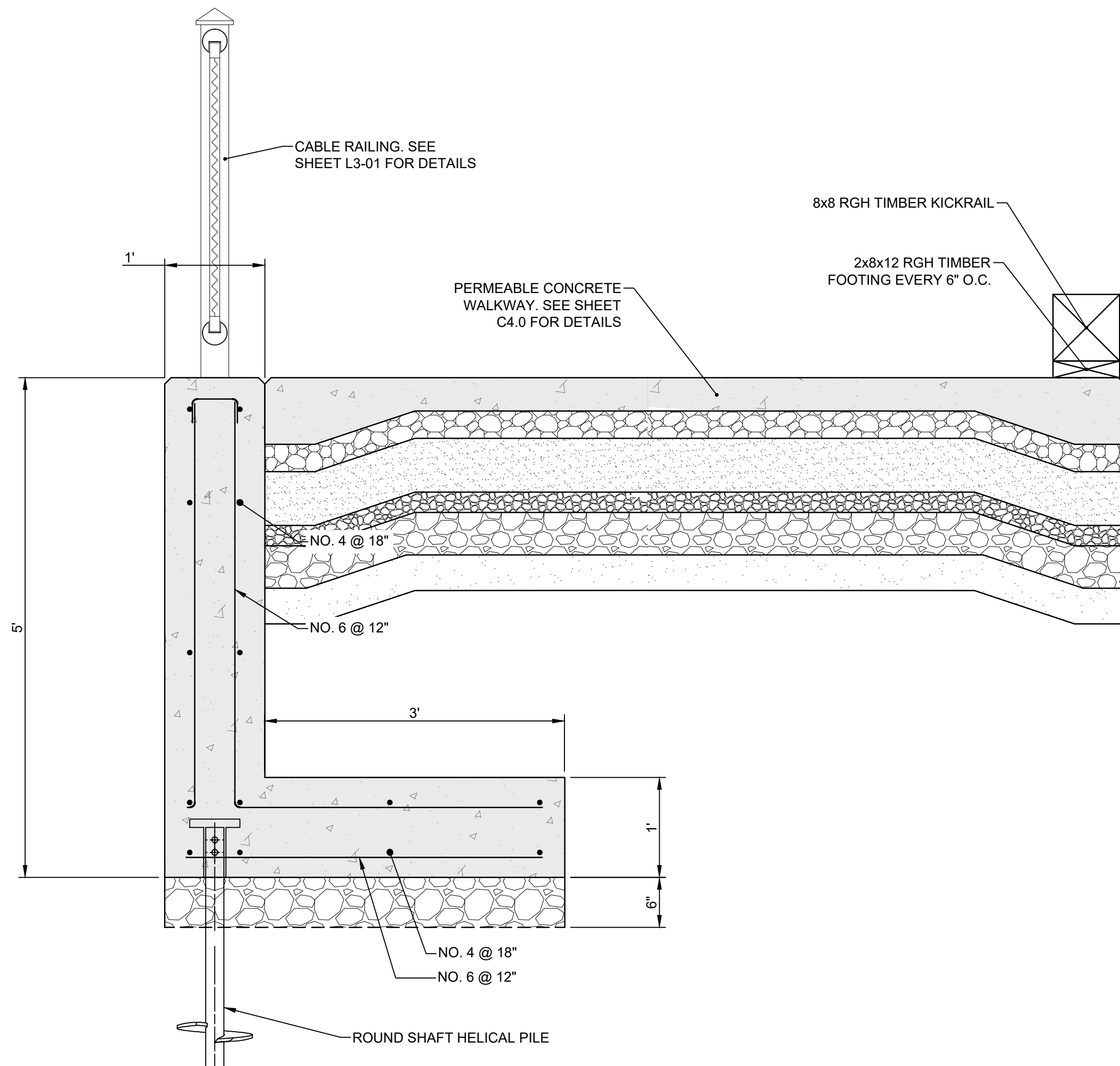
TYPICAL RETAINING WALL SECTION
SCALE: 1/4"= 1'



CONCRETE HEADWALL TO BOARDWALK CONNECTION DETAIL
SCALE: 1"= 2'

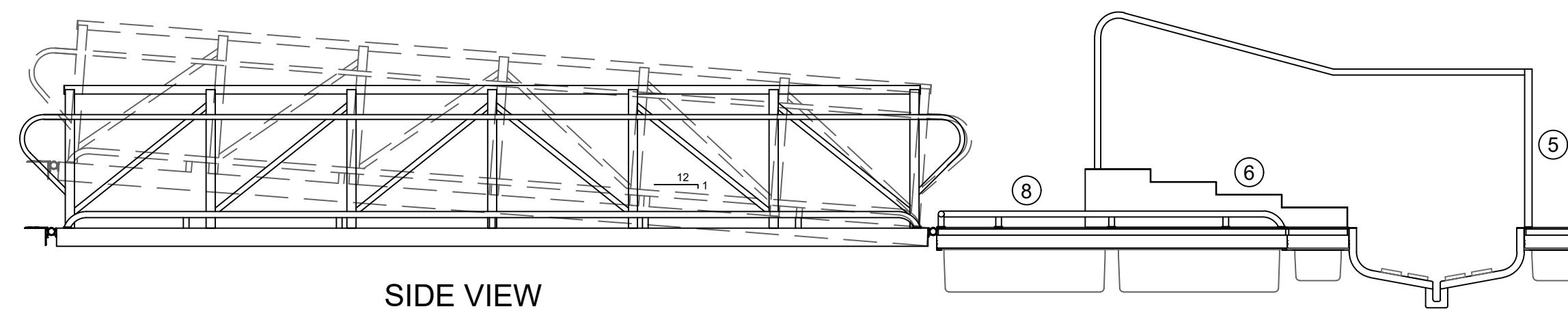
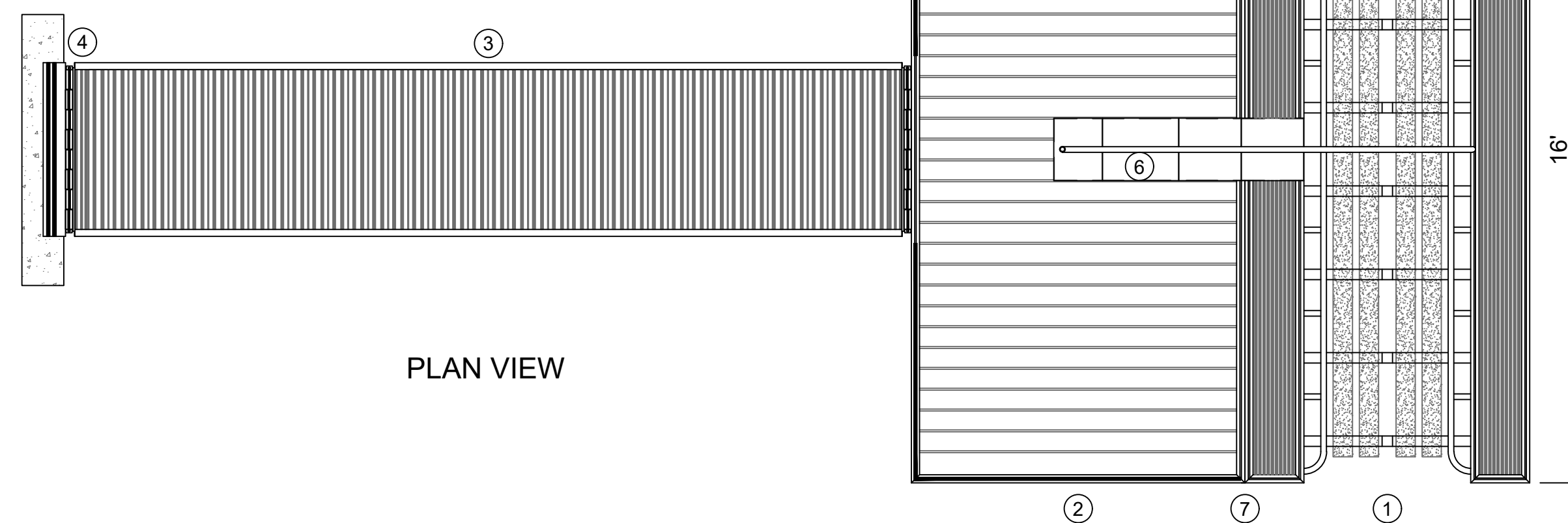


CONCRETE HEADWALL DETAIL
SCALE: 1"= 1'

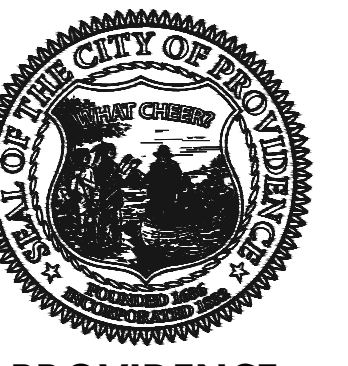


RETAINING WALL SECTION
SCALE: 1"= 1'

- ① - 8 ft. x 16 ft. KAYAK LAUNCH
- ② - 8 ft. x 16 ft. FLOATING DOCK
- ③ - 4 ft. WIDE GANGWAY
- ④ - BULKHEAD MOUNTING KIT
- ⑤ - BOARDING ROLL CAGE
- ⑥ - BOARDING BENCH
- ⑦ - "DOCK TO DOCK" MOUNTING KIT
- ⑧ - GUARDRAIL ALONG DOCK PERIMETER



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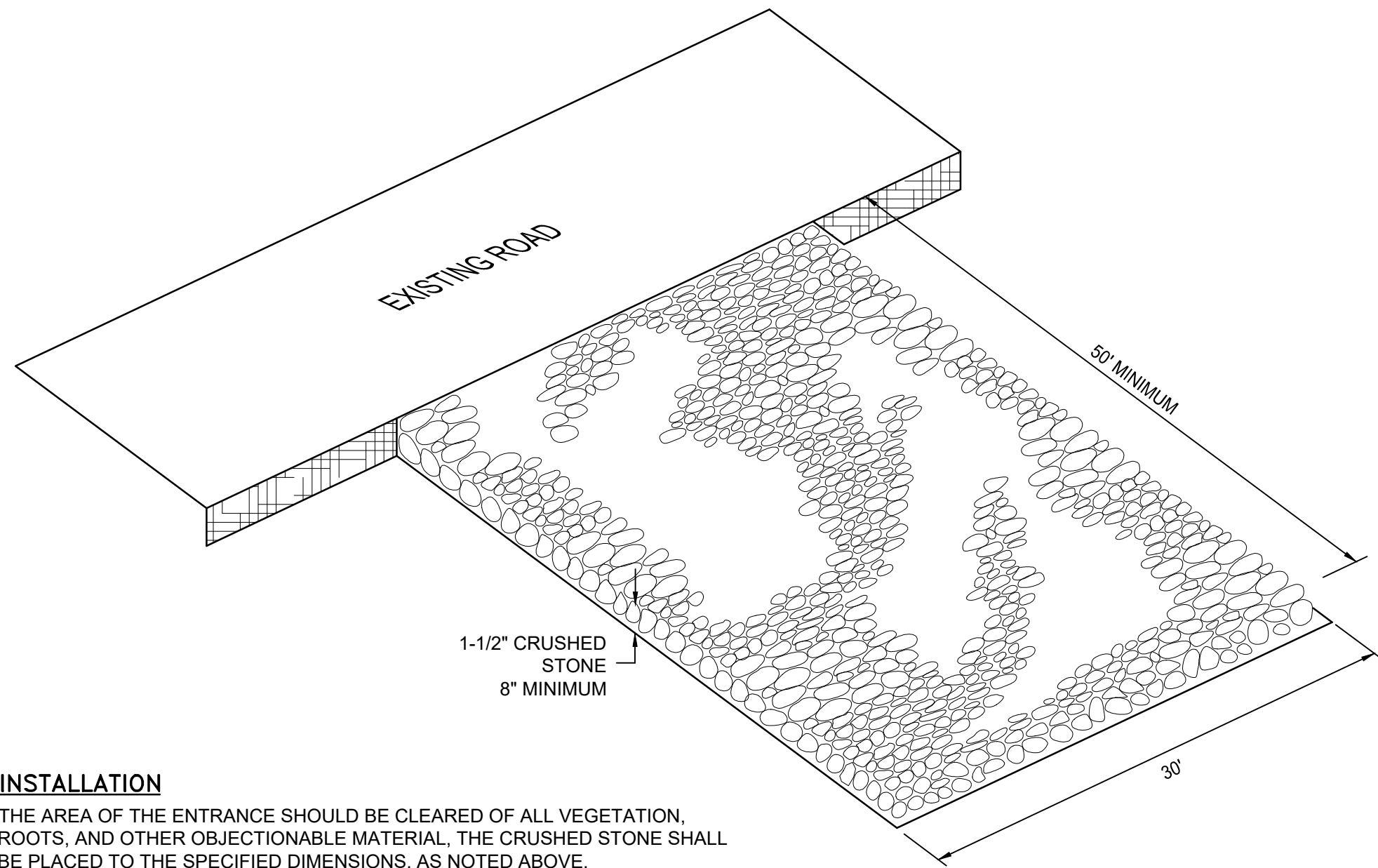
SCALE

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SHEET TITLE

RETAINING WALL
& KAYAK
LAUNCH DETAILS
C4.1



INSTALLATION

THE AREA OF THE ENTRANCE SHOULD BE CLEARED OF ALL VEGETATION, ROOTS, AND OTHER OBJECTIONABLE MATERIAL, THE CRUSHED STONE SHALL BE PLACED TO THE SPECIFIED DIMENSIONS, AS NOTED ABOVE.

MAINTENANCE

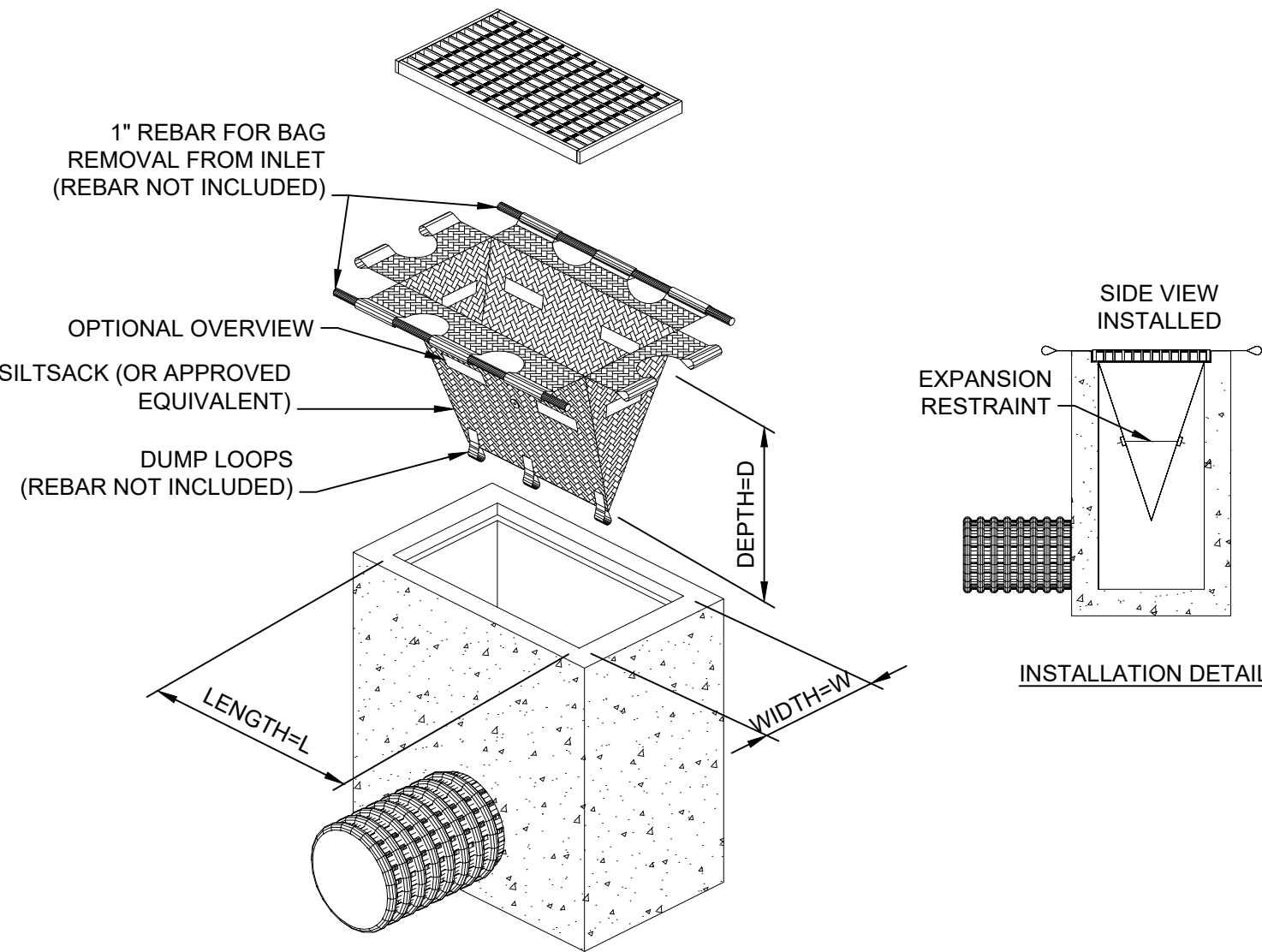
THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENTS ONTO PUBLIC RIGHT-OF-WAYS. THIS WILL REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE, OR ADDITIONAL LENGTH, AS CONDITIONS DEMAND, AND REPAIR, AND / OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT-OF-WAYS MUST BE REMOVED IMMEDIATELY.

LOCATION

SEE PROJECT PLANS FOR LOCATION OF CONSTRUCTION ENTRANCE.

CONSTRUCTION ENTRANCE PROTECTION STONE STABILIZATION PAD

NOT TO SCALE

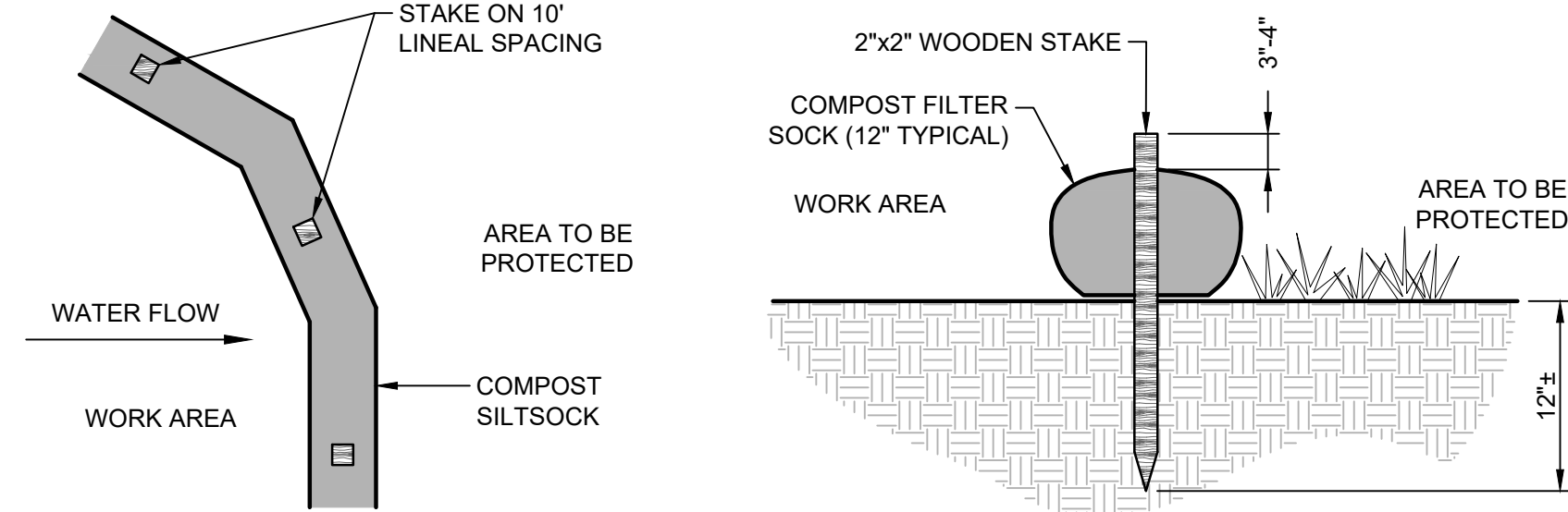


NOTES:

1. INLET PROTECTION SHALL BE CLEANED OF SILT AND DEBRIS ON A REGULAR BASIS AS REQUIRED BY PROJECT SPECIFIC SESC.
2. INSPECTIONS SHALL BE DONE AFTER EACH RAIN EVENT AND AT A MINIMUM EVERY TWO WEEKS AND AS REQUIRED BY PROJECT SPECIFIC SESC.

TEMPORARY INLET PROTECTION

NOT TO SCALE

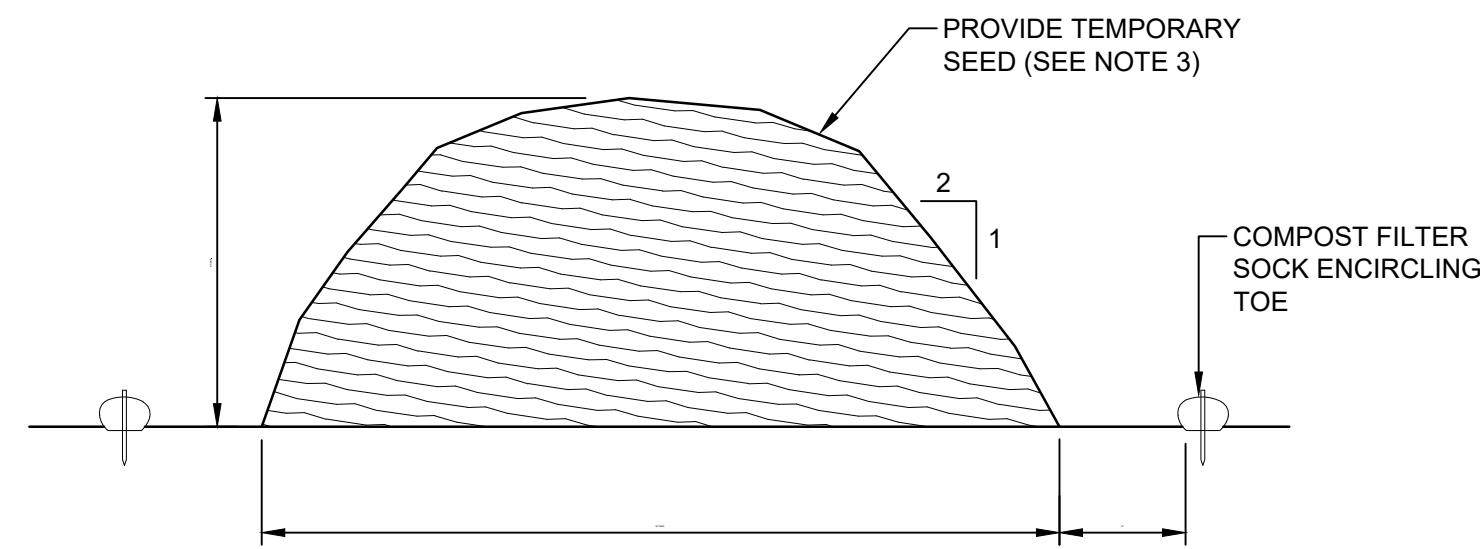


NOTES:

1. COMPOST/ SOIL/ ROCK/ SEED FILL TO MEET APPLICATION REQUIREMENTS.
2. COMPOST MATERIAL TO BE REMOVED OR DISPERSED ON SITE AS DETERMINED BY ENGINEER.

COMPOST FILTER SOCK DETAIL

NOT TO SCALE

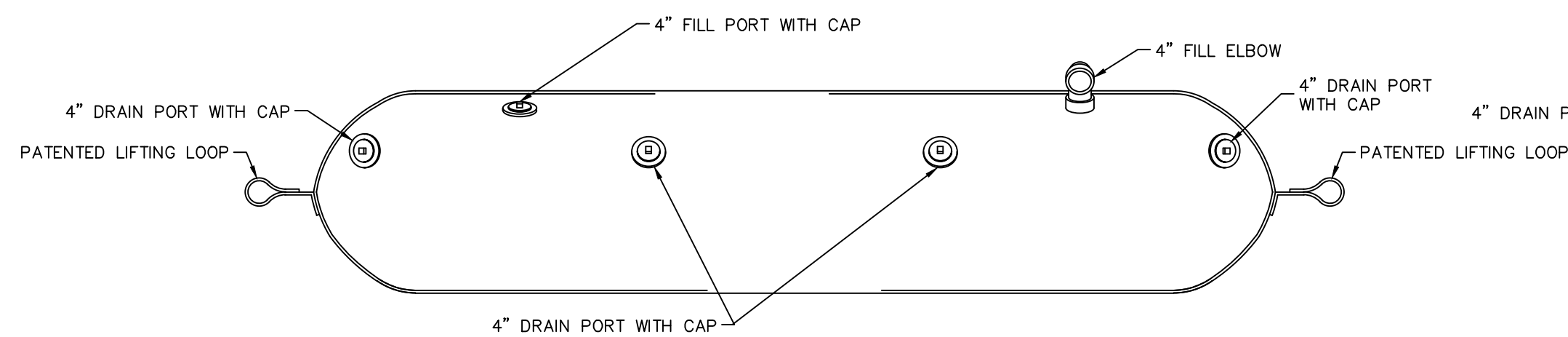
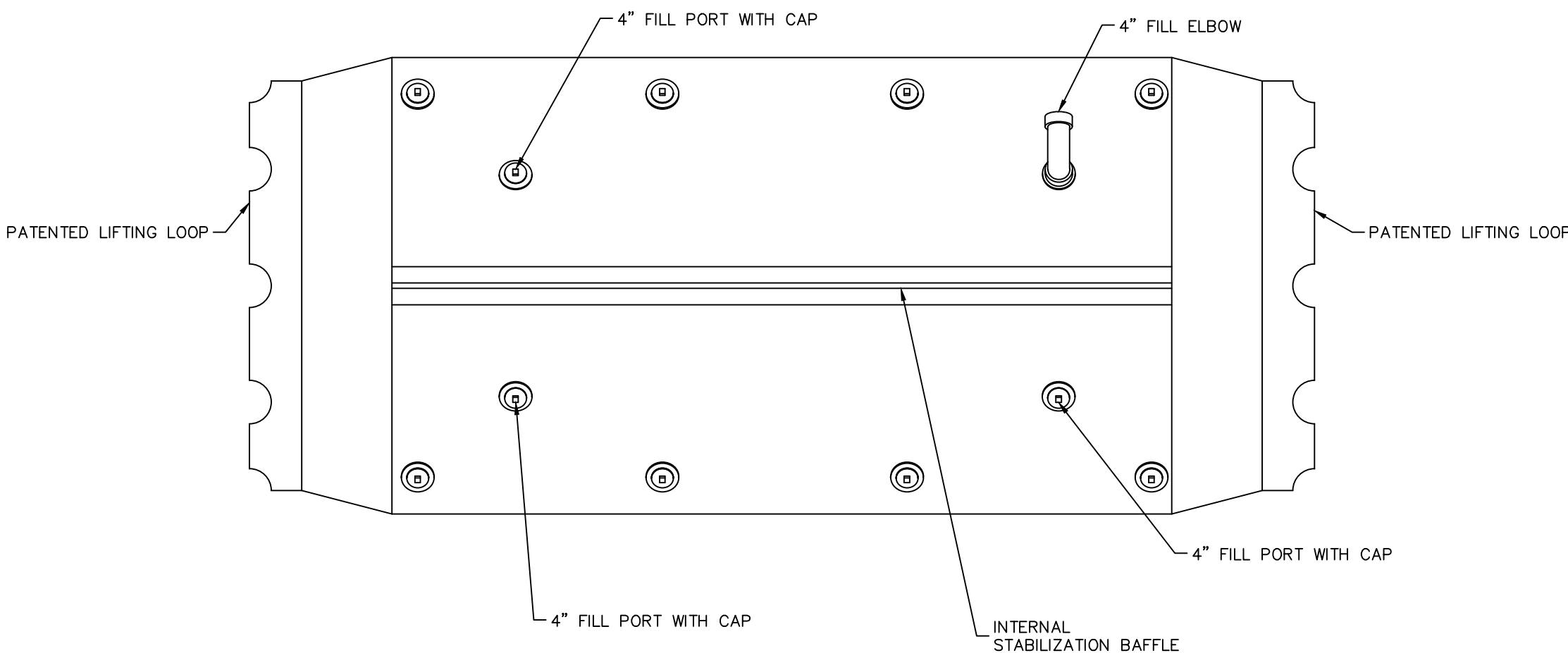
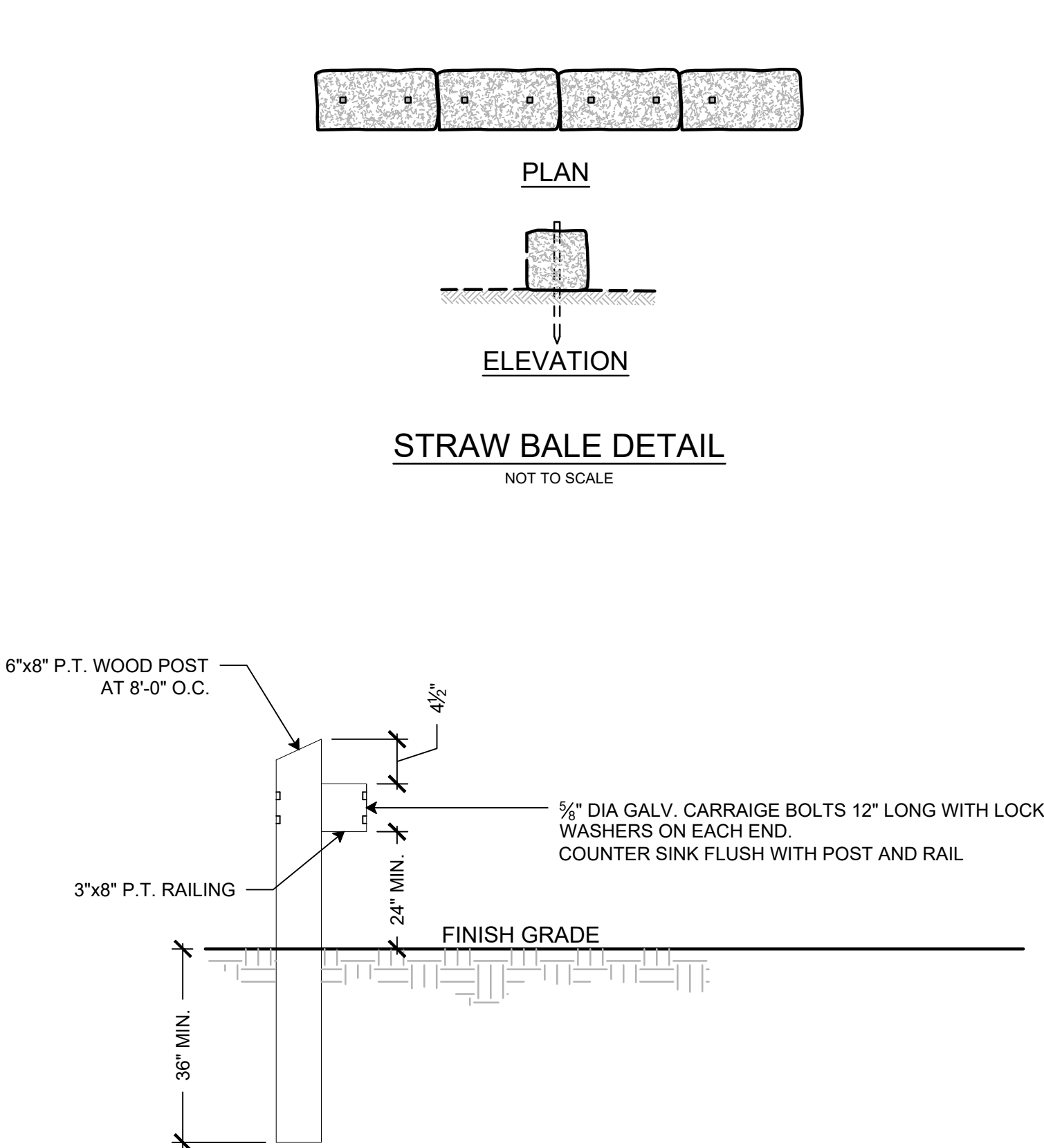


NOTES:

1. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL PREPARE A PLAN SHOWING THE PROPOSED LOCATION OF ALL STOCKPILE AREAS.
2. STOCKPILE AREA SHALL NOT EXCEED SPECIFIED DIMENSIONS WITHOUT APPROVAL FROM ENGINEER.
3. STOCKPILED ERODIBLE MATERIAL THAT WILL NOT BE USED FOR GREATER THAN 14 DAYS SHALL BE STABILIZED WITH TEMPORARY SEED IMMEDIATELY FOLLOWING PLACEMENT.

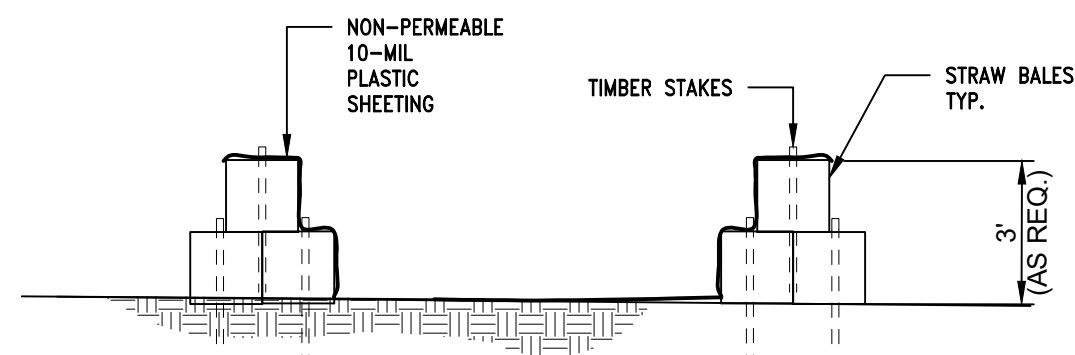
ERODIBLE MATERIAL STOCKPILE

NOT TO SCALE



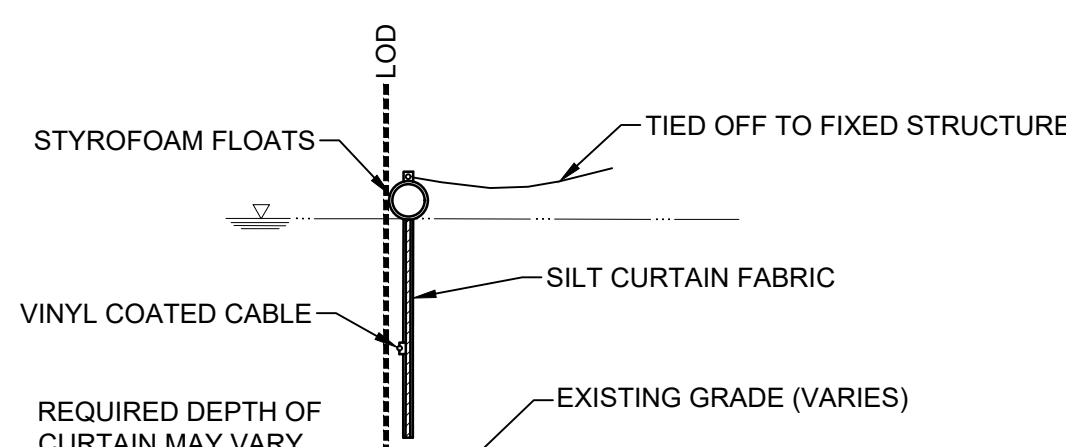
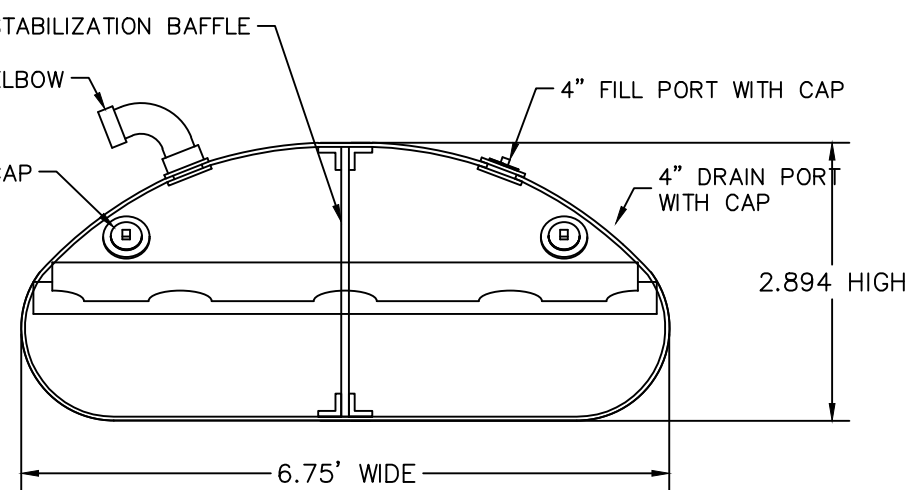
AQUA-BARRIER COFFERDAM DETAILS

SCALE: 1" = 2'



CONCRETE WASHOUT

NOT TO SCALE



TYPICAL TURBIDITY BARRIER

NOT TO SCALE



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NORTH ARROW

SCALE

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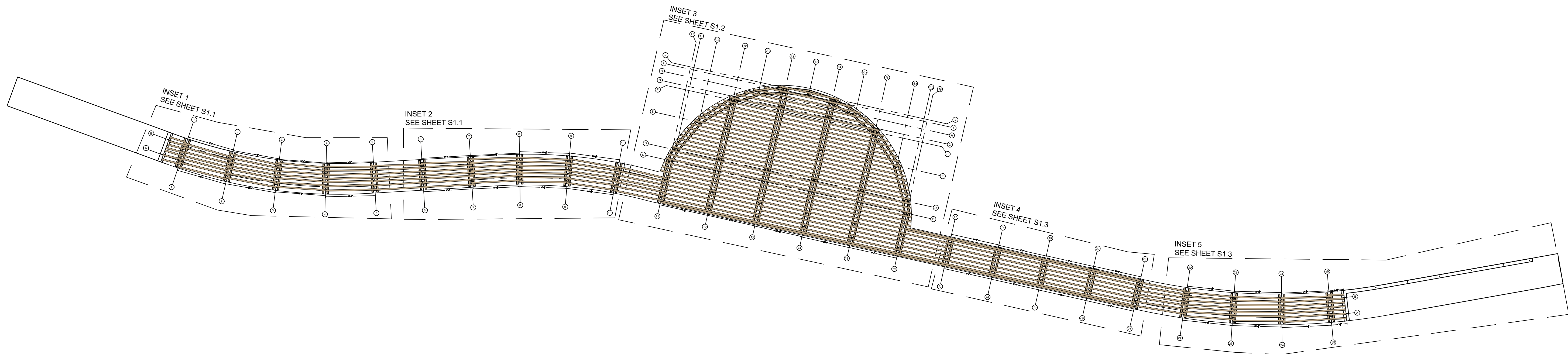
SHEET TITLE

MISCELLANEOUS DETAILS

C5.0

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OVERALL STRUCTURAL FRAMING PLAN

SCALE: $\frac{1}{16}'' = 1'$



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SCALE

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OVERALL
STRUCTURAL
FRAMING PLAN
S1.0



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SCALE

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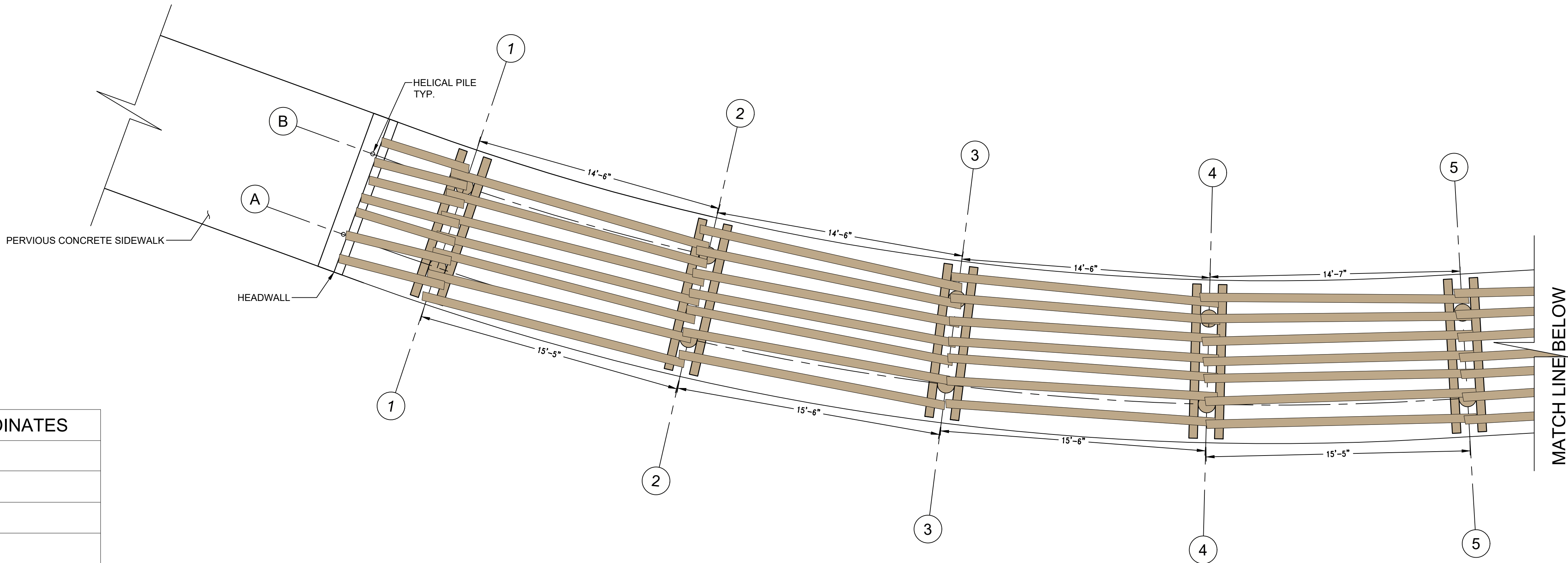
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SHEET TITLE

**STRUCTURAL
FRAMING PLAN I**

S1.1

13 OF 24



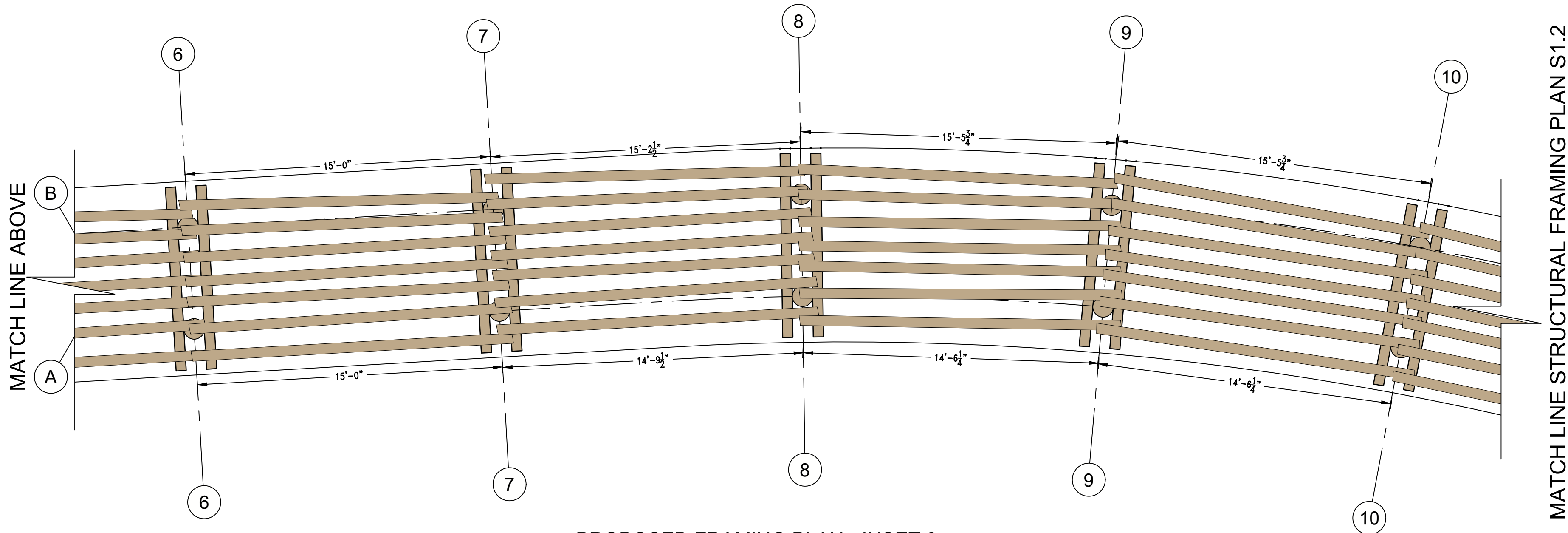
NOTES:

1. PILE COORDINATES TO BE PROVIDED FOR IFC DRAWING SET.

PROPOSED FRAMING PLAN - INSET 1

SCALE: 3/8" = 1'

PILE COORDINATES		
BENT 1	PILE A	
	PILE B	
BENT 2	PILE A	
	PILE B	
BENT 3	PILE A	
	PILE B	
BENT 4	PILE A	
	PILE B	
BENT 5	PILE A	
	PILE B	
BENT 6	PILE A	
	PILE B	
BENT 7	PILE A	
	PILE B	
BENT 8	PILE A	
	PILE B	
BENT 9	PILE A	
	PILE B	
BENT 10	PILE A	
	PILE B	



PROPOSED FRAMING PLAN - INSET 2

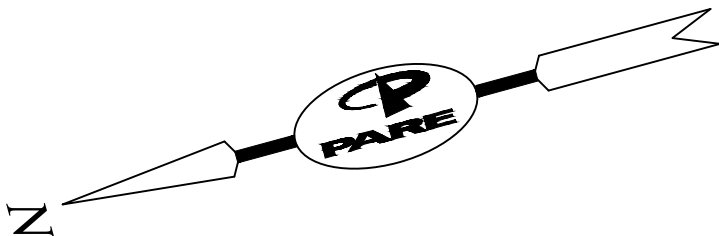
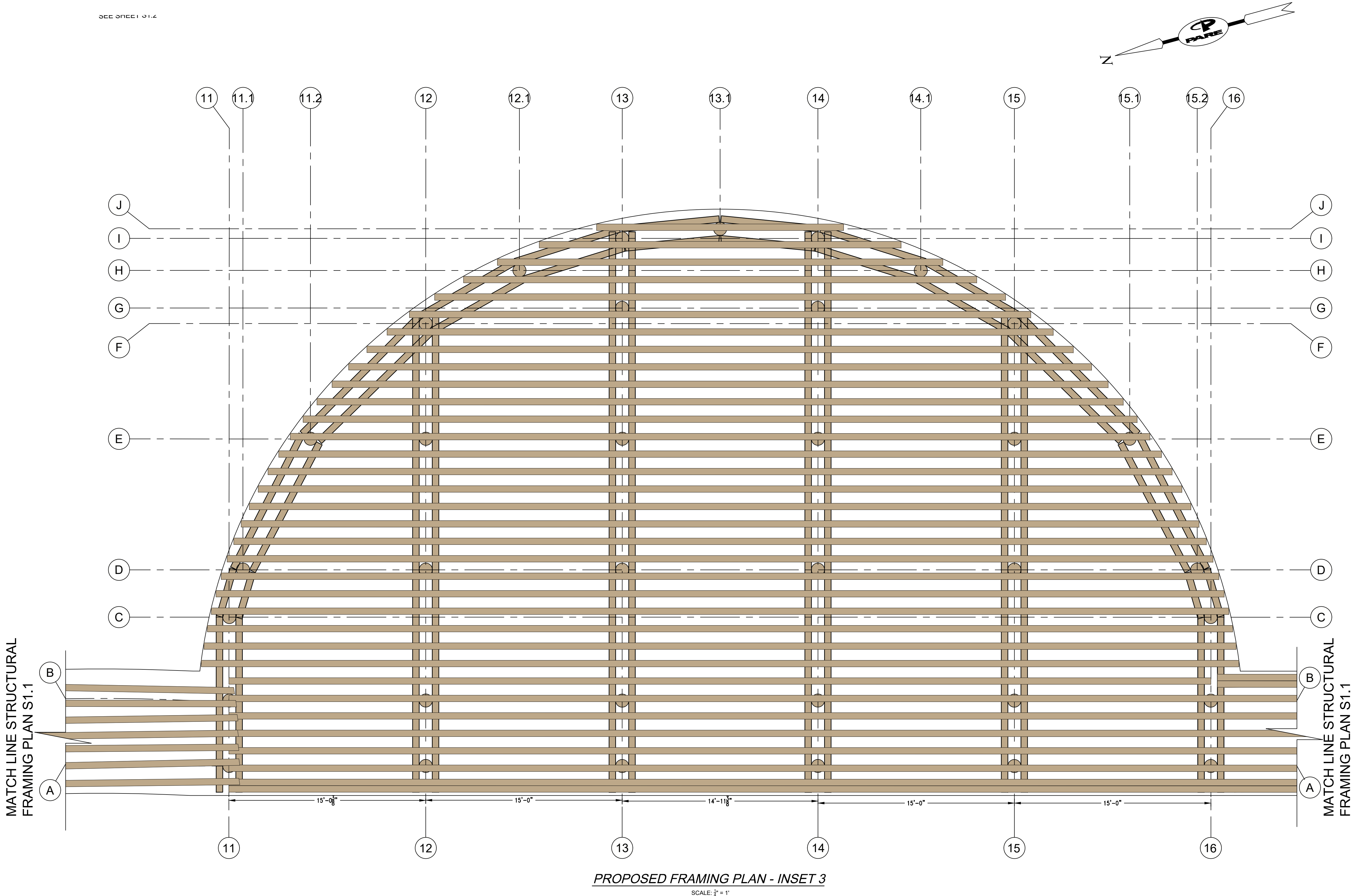
SCALE: 3/8" = 1'

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NOTES:

1. PILE COORDINATES TO BE PROVIDED FOR IFC DRAWING SET.

PILE COORDINATES		
BENT 11	PILE A	
	PILE B	
	PILE C	
BENT 11.1	PILE D	
BENT 11.2	PILE E	
BENT 12	PILE A	
	PILE B	
	PILE D	
	PILE E	
	PILE F	
BENT 12.1	PILE H	
BENT 13	PILE A	
	PILE B	
	PILE D	
	PILE E	
	PILE G	
	PILE I	
BENT 13.1	PILE J	
BENT 14	PILE A	
	PILE B	
	PILE D	
	PILE E	
	PILE G	
BENT 14.1	PILE I	
	PILE H	
	PILE A	
	PILE B	
	PILE D	
BENT 15	PILE E	
	PILE F	
	PILE D	
BENT 15.1	PILE E	
BENT 15.2	PILE D	
BENT 16	PILE A	
	PILE B	
	PILE C	



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PROVIDENCE, RI 02905



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CONSULTANT



SEAL / SIGNATURE

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PROJECT:

**Cunliff Lake Boardwalk
at Roger Williams Park**

1000 Elmwood Avenue
A.P. 90, Lot 157
Providence, RI 02095

REVISIONS:

Date	Issued For:
1/13/2025	Permit Set
2/7/2025	Draft Set
3/10/2025	IFB Set
4/07/2025	IFB Addendum #1
4/19/2025	IFB Addendum #2

NORTH ARROW

SCALE

DRAWING INFO

DATE ISSUED: 4/18/2025
PROJECT NO: RWBD.21.01
DRAWN BY: KAD
CHECKED BY: TDT

SHEET TITLE

**STRUCTURAL
FRAMING PLAN II**

S1.2

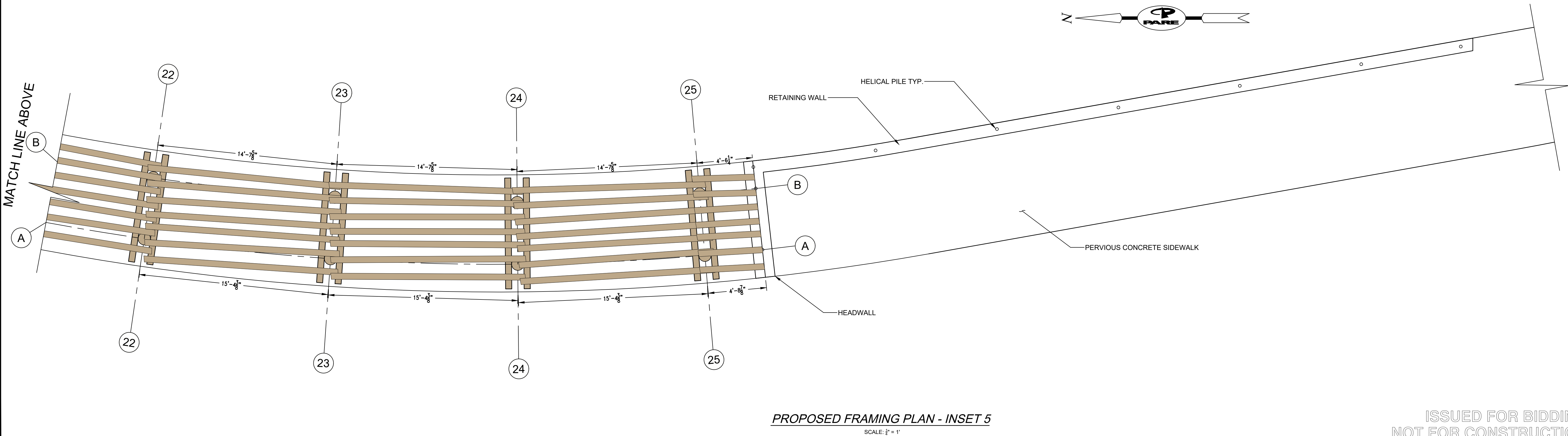
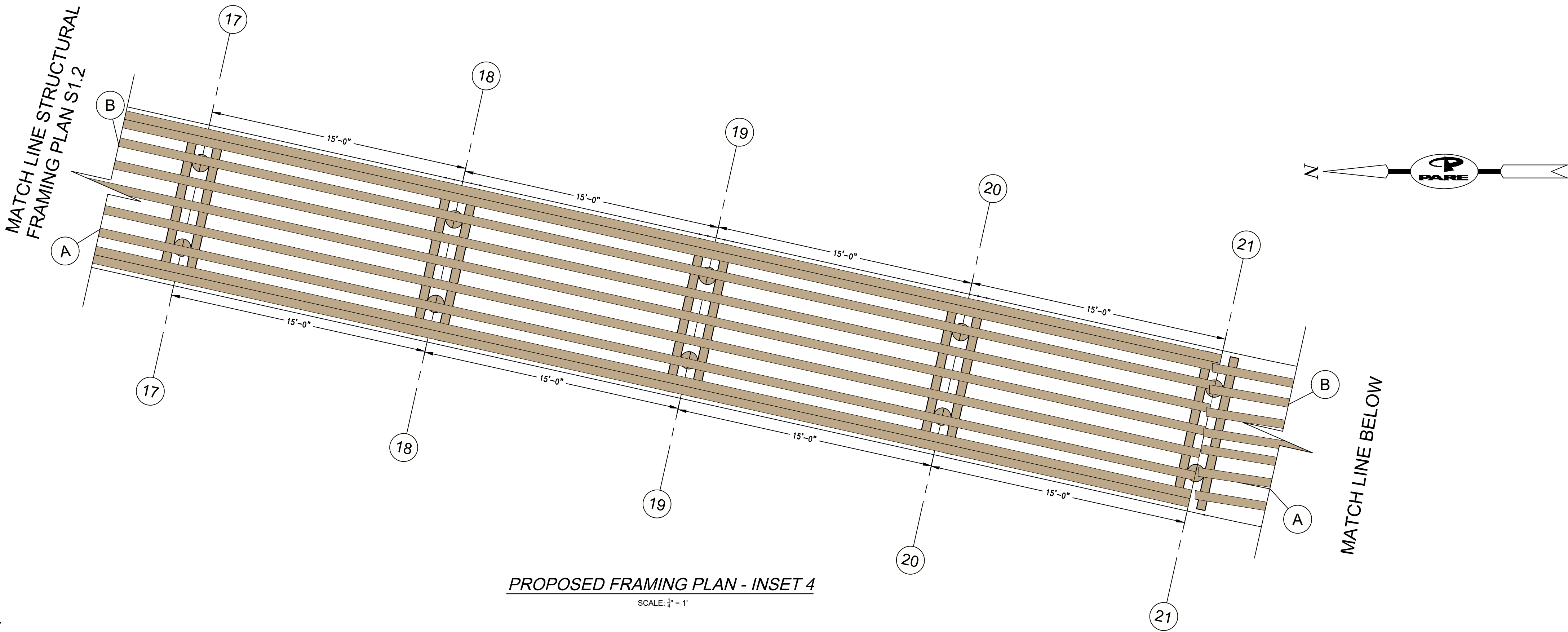
14 OF 24

ISSUED FOR BIDDING
NOT FOR CONSTRUCTION

PILE COORDINATES		
BENT 17	PILE A	
	PILE B	
BENT 18	PILE A	
	PILE B	
BENT 19	PILE A	
	PILE B	
BENT 20	PILE A	
	PILE B	
BENT 21	PILE A	
	PILE B	
BENT 22	PILE A	
	PILE B	
BENT 23	PILE A	
	PILE B	
BENT 24	PILE A	
	PILE B	
BENT 25	PILE A	
	PILE B	

NOTES:

1. PILE COORDINATES TO BE PROVIDED FOR IFC DRAWING SET.



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NORTH ARROW

SCALE

DRAWING INFO

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SHEET TITLE

STRUCTURAL
FRAMING PLAN III

S1.3

15 OF 24

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NORTH ARROW

SCALE

DRAWING INFO

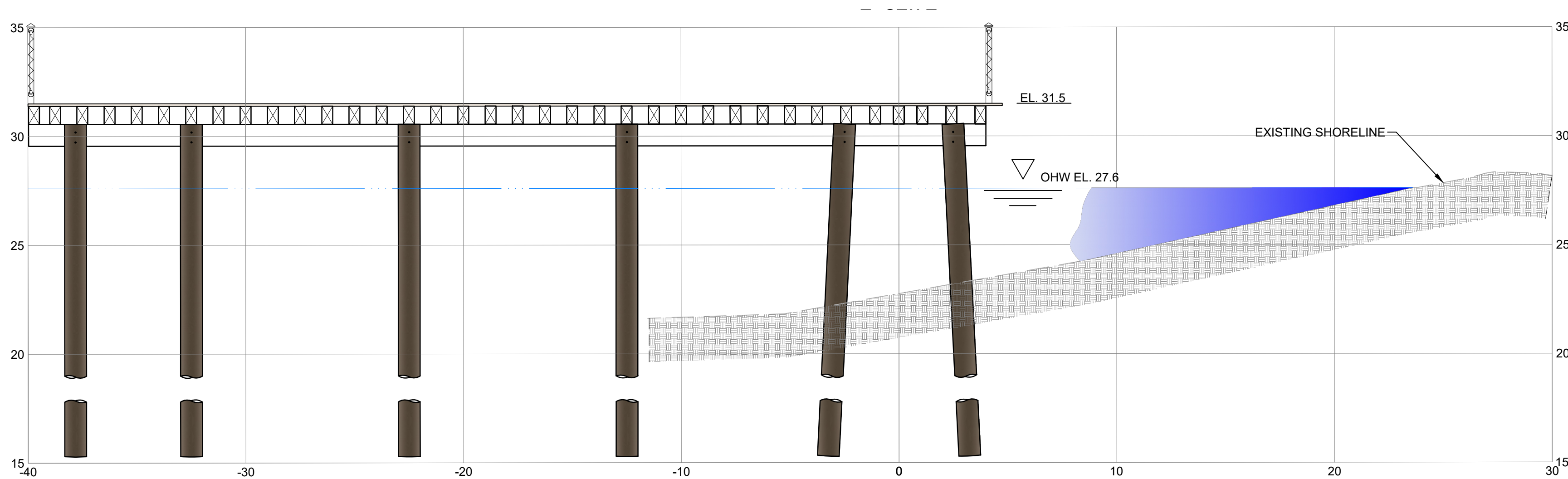
DATE ISSUED: 4/18/2025
PROJECT NO: RWBD.21.01
DRAWN BY: KAD
CHECKED BY: TDT

SHEET TITLE

**STRUCTURAL
DETAILS**

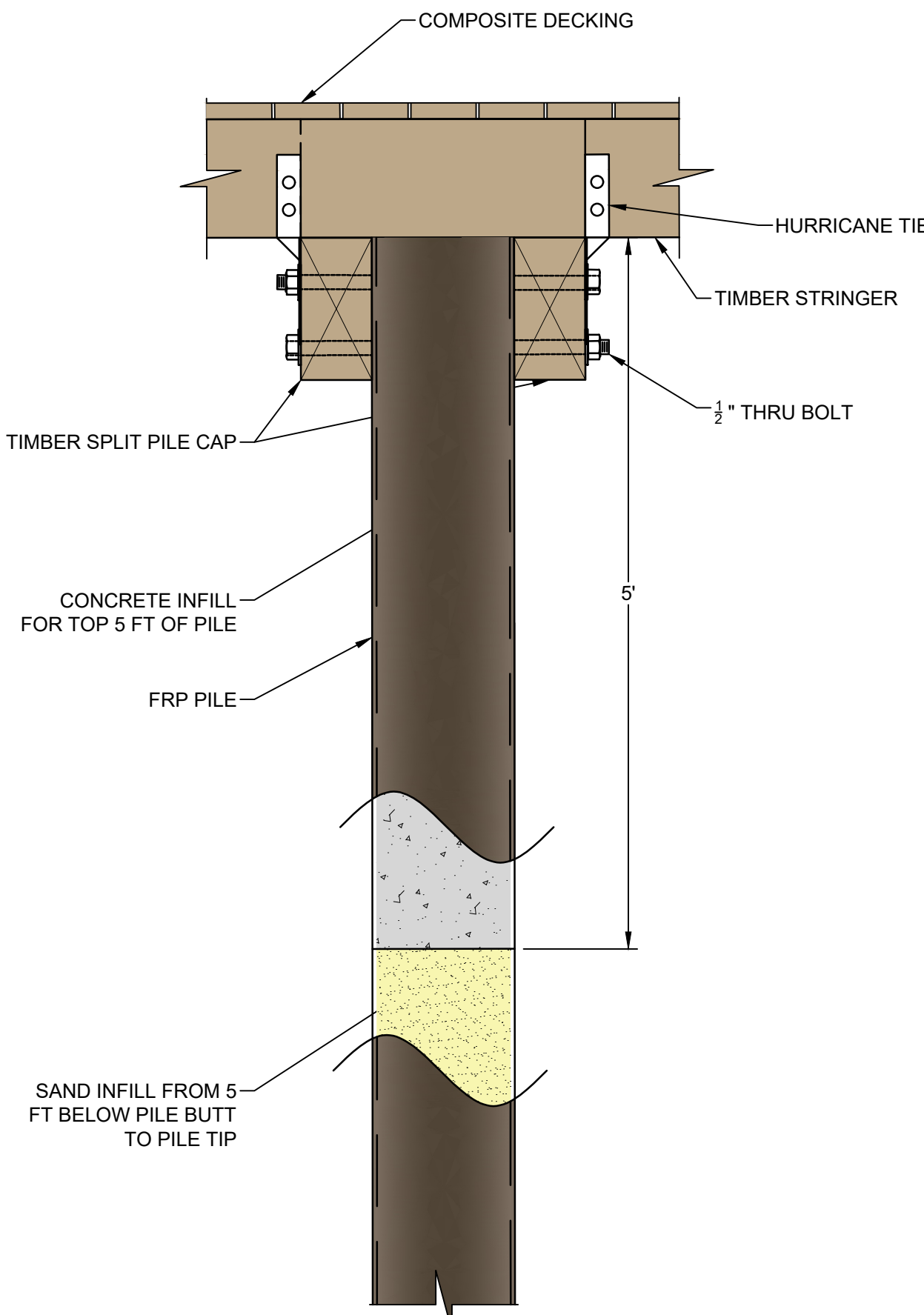
S2.0

16 OF 24



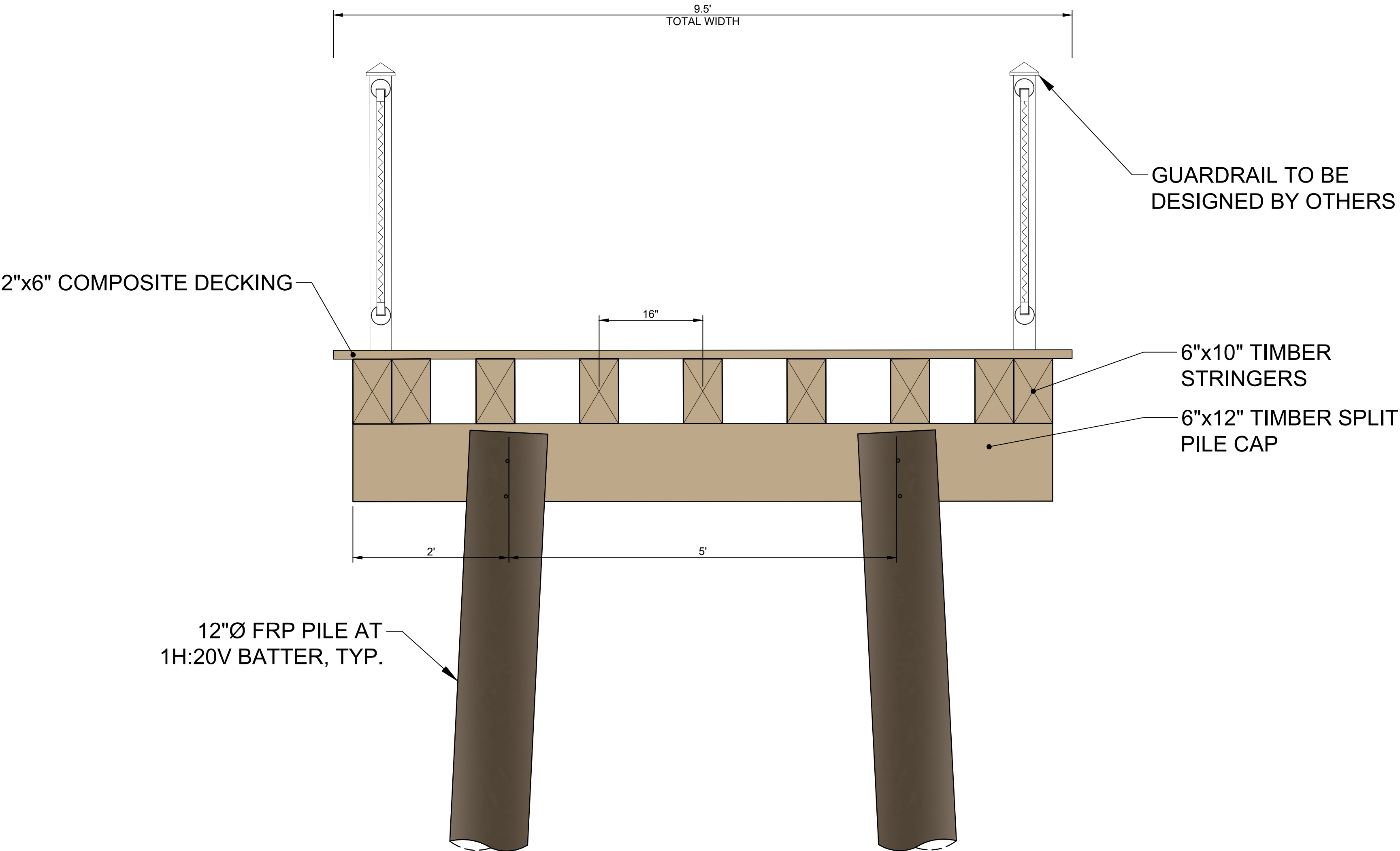
FISHING OVERLOOK SECTION

SCALE: 1" = 4'



CONCRETE FILL TO PILE CAP CONNECTION

SCALE 1" = 1'




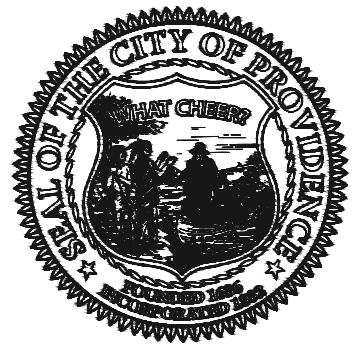
TYPICAL BOARDWALK SECTION

SCALE 1" = 1'

ISSUED FOR BIDDING
NOT FOR CONSTRUCTION

<u>SYMBOL</u>	<u>CODE</u>	<u>DESCRIPTION</u>	<u>QTY</u>	<u>DETAIL</u>
		Wood Boardwalk		See Civil Plans for details
<u>AGGREGATE SURFACE</u>				
		Porous Concrete Pavement		See Civil Plans for details
		Geogrid Reinforced Parking		See Civil Plans for details
<u>FENCES AND GATES</u>				
		Timber Guardrail		See Civil Plans for details
<u>SITE FURNISHINGS</u>				
	32-33-00A	Bench	3	1/L3-02
	32-33-00B	Trash Receptacle	2	2/L3-02
	32-33-00C	Solar Light Bollard	29	4/L3-02
	32-33-00D	Curved Bench	1	3/L3-02
<u>RAIL</u>				
	R-01	Cable Railing		
				2/L3-01
				HANDRAIL LENGTH CHANGE

<p><u>LANDSCAPE ADD ALTERNATES</u></p> <p>ADD ALT#1 - F&I KAYAK LAUNCH (SOUTHERN SECTION)</p> <p>ADD ALT#2 - F&I ARTICULATED CONCRETE BLOCK - OPEN CELL W/ GRAVEL FILL PARKING LOT (SOUTHERN SECTION)</p> <p>ADD ALT#3 - F&I GEOGRID W/ GRASS INFILL PARKING SPACES (SOUTHERN SECTION)</p> <p>ADD ALT#4 - F&I GEOGRID W/ GRASS INFILL PARKING SPACES (MIDDLE SECTION AND NORTHERN SECTION)</p> <p>ADD ALT#5 - F&I SOLAR INTEGRATED LIGHT BOLLARDS (MOUNT VARIES)</p> <p>ADD ALT#6 - F&I SOLID CURVED BENCH WITH BACK REST (SURFACE MOUNT)</p> <p>ADD ALT#7 - F&I 6' BENCH (MOUNT VARIES)</p> <p>ADD ALT#8 - F&I 55 GALLON TRASH RECEPTACLE WITH DOME LID</p>	<p style="text-align: center;">  ADD ALT UPDATE </p>
--	--



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TRAVERSE
landscape architecture

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Providence, RI 02095

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NORTH ARROW

**SHOWN
PLAN**

SALE

**SHOWN
PLAN**

AWING INFO

TE ISSUED: 04/19/2025
PROJECT NO: PO1015
DRAWN BY: HW
CHECKED BY: AIC

FEET TITLE

LANDSCAPE PLAN

1-21

17 OF 24

NORTHING/EASTING POINT SCHEDULE

POINT	DESCRIPTION	NORTHING	EASTING
1		N 253430.8221	E 351499.1948
2		N 253433.9494	E 351494.0743
3		N 253437.8074	E 351485.7833
4		N 253439.9770	E 351480.1894
5		N 253427.7439	E 351481.8802
6		N 253424.3242	E 351481.6058
7		N 253422.6194	E 351481.9690
8		N 253421.9661	E 351487.6171
9		N 253409.4207	E 351488.8797
10		N 253407.5499	E 351483.1403
11		N 253358.3861	E 351465.1253
12		N 253297.1083	E 351456.5534
13		N 253257.9383	E 351458.8448
14		N 253209.6395	E 351453.8229
15		N 253059.9227	E 351420.5255
16		N 252996.5424	E 351417.0005
17		N 252983.2983	E 351418.8938
18		N 252877.0998	E 351428.5406
19		N 252867.3563	E 351430.7911
20		N 252829.2380	E 351458.2684
21		N 252823.5460	E 351454.3690
22		N 253410.4936	E 351439.0860
23		N 253408.7944	E 351428.9764
24		N 253289.5466	E 351387.7635
25		N 253282.5718	E 351394.8753
26		N 253198.9489	E 351372.8934
27		N 253195.8121	E 351363.2974
28		N 252998.8179	E 351367.7223
29		N 252995.5324	E 351377.2710
30		N 252862.5769	E 351396.9363
31		N 252856.6146	E 351387.8110
32		N 252731.9649	E 351407.0478
33		N 252729.2562	E 351416.7772
34		N 253361.2422	E 351461.1813
35		N 252948.3350	E 351425.1209
36		N 252880.3226	E 351441.8596
37		N 252880.9532	E 351433.8378
38		N 0.0000	E 0.0000
39		N 252877.9752	E 351432.3306
40		N 252868.5839	E 351436.1060
41		N 252867.1041	E 351438.5004
42		N 253409.3641	E 351469.8963
43		N 0.0000	E 0.0000
44		N 253362.8561	E 351452.3083
45		N 252995.9025	E 351405.6800
46		N 252974.3394	E 351408.8084
47		N 252961.3101	E 351410.7431
48		N 252887.2675	E 351427.7312

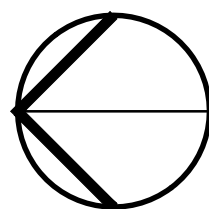
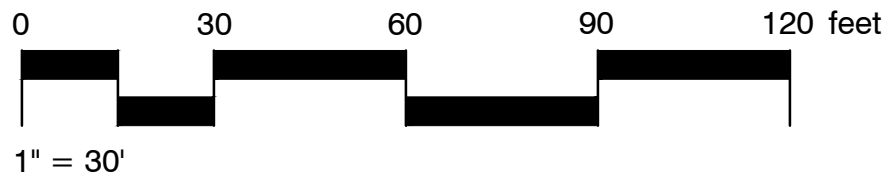
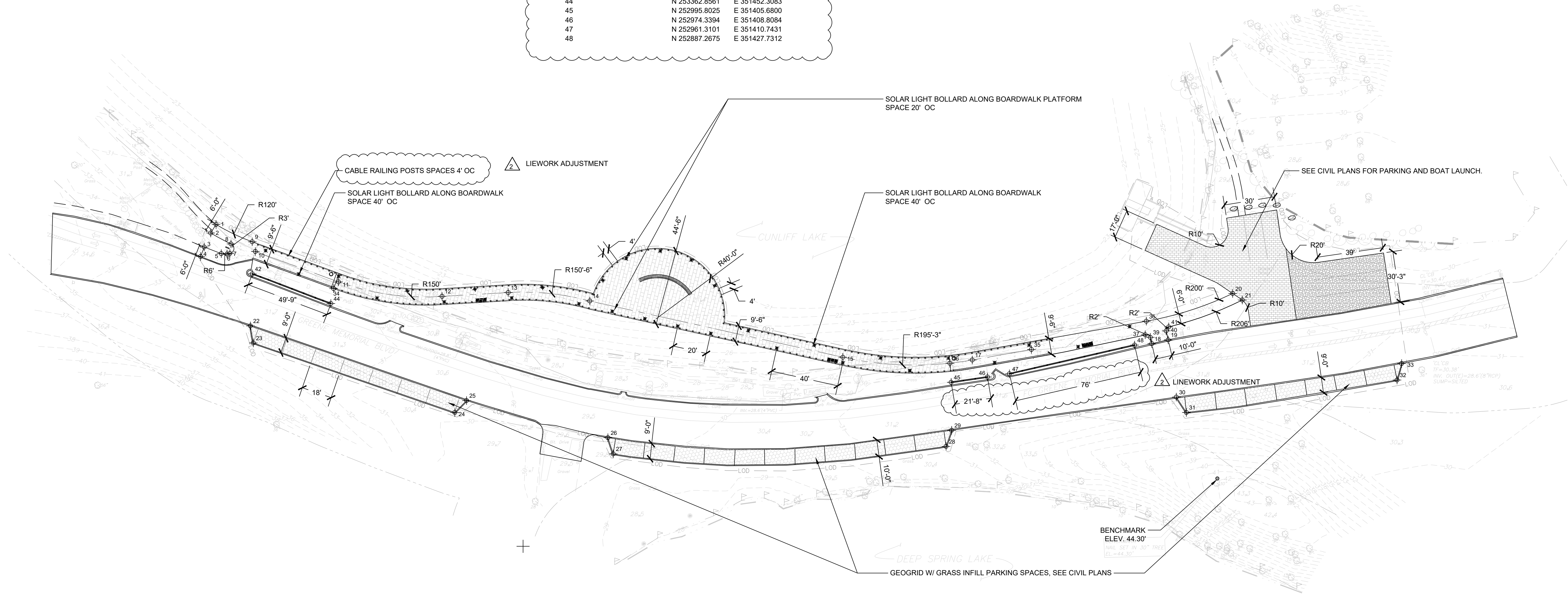
2 UPDATE WITH LAYOUT CHANGE

NOTE:
REFER TO CIVIL ENGINEERING PLANS FOR POB FOR ALL BOARDWALK, PARKING AND WALKWAY IMPROVEMENTS.

LANDSCAPE ADD ALTERNATES

ADD ALT#1 - F&I KAYAK LAUNCH (SOUTHERN SECTION)
ADD ALT#2 - F&I ARTICULATED CONCRETE BLOCK - OPEN CELL W/ GRAVEL FILL PARKING LOT (SOUTHERN SECTION)
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ADD ALT#7 - F&I 6' BENCH (MOUNT VARIES)
ADD ALT#8 - F&I 55 GALLON TRASH RECEPTACLE WITH DOME LID

2 ADD ALT UPDATE



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NORTH ARROW

AS SHOWN
ON PLAN

SCALE

AS SHOWN
ON PLAN

DRAWING INFO

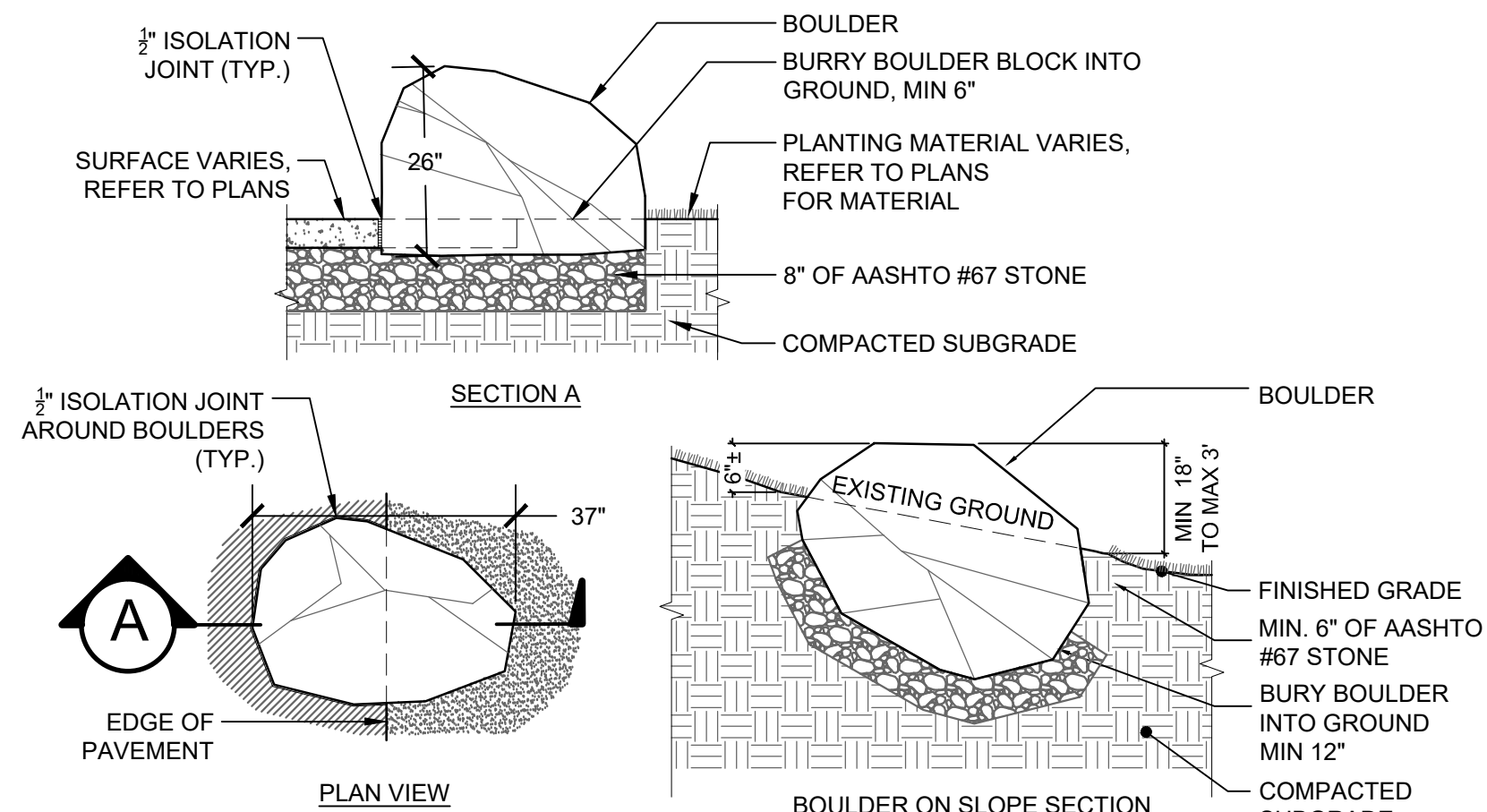
DATE ISSUED: 04/19/2025
PROJECT NO: PO1015
DRAWN BY: HW
CHECKED BY: AIC

SHEET TITLE

LAYOUT
PLAN

L1-31

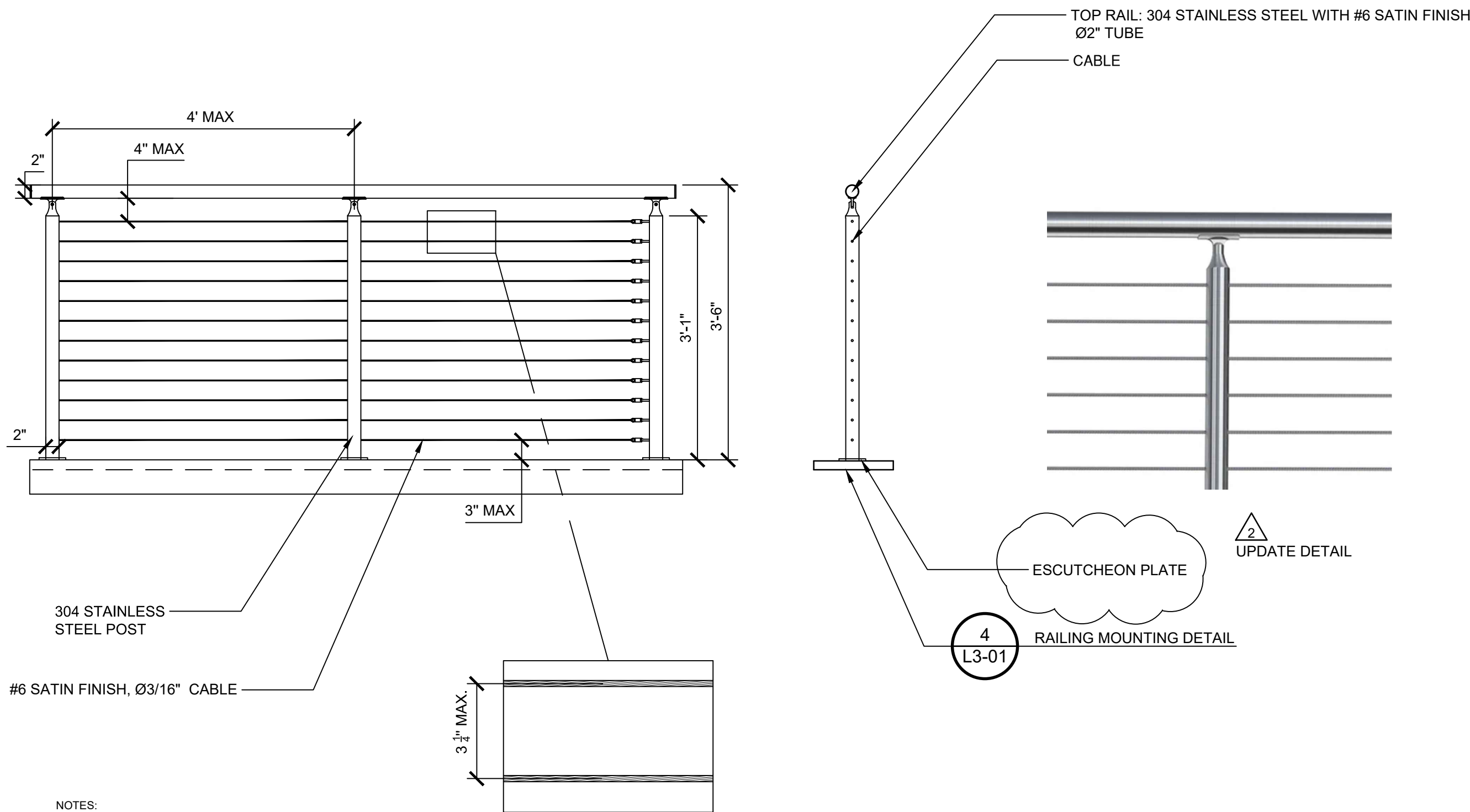
18 OF 24



- NOTES:
- BOULDER LOCATIONS SHALL BE FIELD VERIFIED BY LANDSCAPE ARCHITECT PRIOR TO FINAL INSTALLATION.
 - ALL BOULDERS TO BE RE-LOCATED FROM EXISTING SITE.

1 BOULDER PLACEMENT

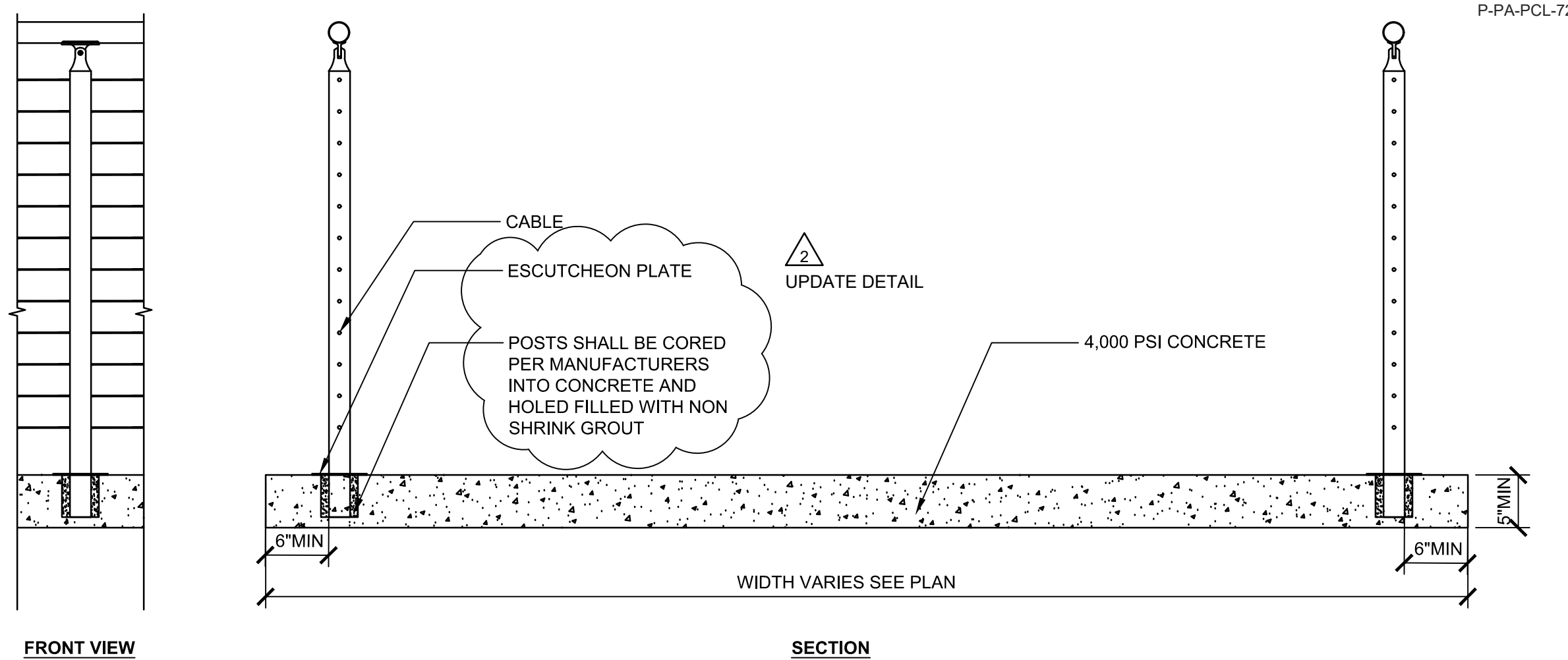
1/2" = 1'-0"



- NOTES:
- STEEL SHALL BE A MIN#304 WITH A BRUSHED FINISH.
 - STEEL CABLE SHALL BE A #6 SATIN FINISH, $\phi 3/16"$ CABLE.
 - CONTRACTOR SHALL SUBMIT SHOP DRAWING SHOWING LAYOUT AND ALL CONNECTIONS STAMPED BY A RI LICENSED STRUCTURAL ENGINEER PRIOR TO CONSTRUCTIONS.
 - RAILING SHALL CONFORM TO ALL STATE ADA AND BUILDING CODE REQUIRE.
 - RAILING SHALL BE CIRCA RAILING SYSTEM WITH CABLE INFILL AS MANUFACTURED BY VIVA RAILING.

2 CABLE RAILING DETAIL

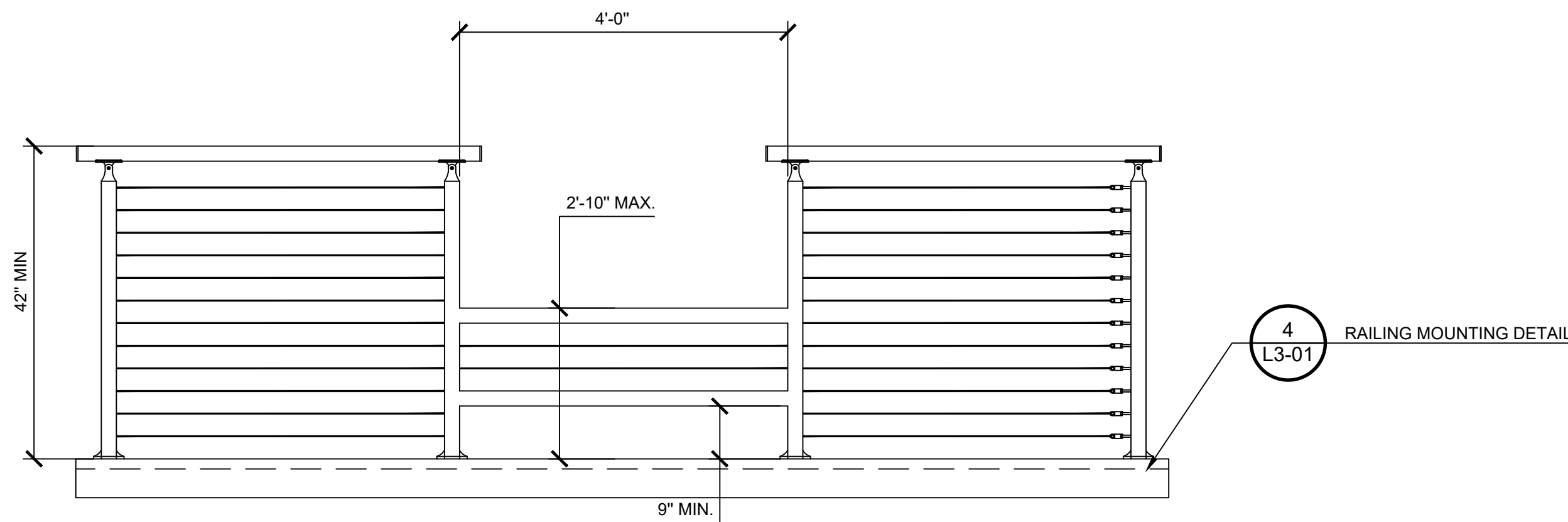
3/4" = 1'-0"



- NOTES:
- RAILING POSTS SHALL BE EMBEDDED OR SURFACE MOUNTED WITH A BASE PLATE PER MANUFACTURERS INSTRUCTIONS. MANUFACTURER/ CONTRACTOR SHALL SUBMIT STAMPED SHOP DRAWINGS PRIOR TO CONSTRUCTION SHOWING ALL CONNECTIONS AND HARDWARE.

5 RAILING MOUNTING DETAIL - CONCRETE

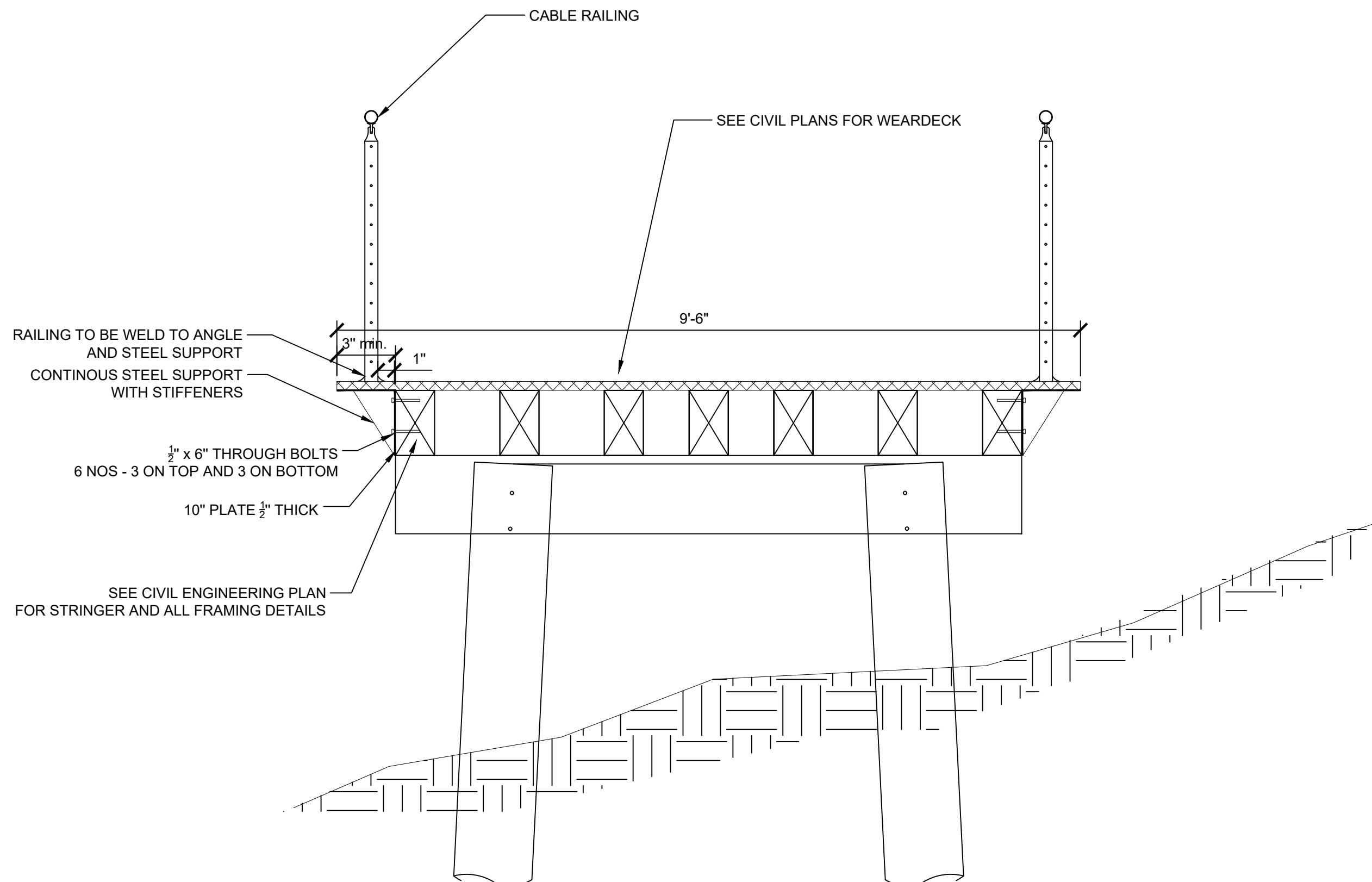
1" = 1'-0"



- NOTES:
- STEEL SHALL BE A MIN#304 WITH A BRUSHED FINISH.
 - STEEL CABLE SHALL BE A #6 SATIN FINISH, $\phi 3/16"$ CABLE.
 - CONTRACTOR SHALL SUBMIT SHOP DRAWING SHOWING LAYOUT AND ALL CONNECTIONS STAMPED BY A RI LICENSED STRUCTURAL ENGINEER PRIOR TO CONSTRUCTIONS.
 - RAILING SHALL CONFORM TO ALL STATE ADA AND BUILDING CODE REQUIRE.

3 ADA FISHING RAILING DETAIL

3/4" = 1'-0"



NOTE: MANUFACTURER/ CONTRACTOR SHALL SUBMIT STAMPED SHOP DRAWINGS PRIOR TO CONSTRUCTION STAMPED BY A RI LICENSED STRUCTURAL ENGINEER.

4 RAILING MOUNTING DETAIL

3/4" = 1'-0"



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NORTH ARROW

AS SHOWN
ON PLAN

SCALE

AS SHOWN
ON PLAN

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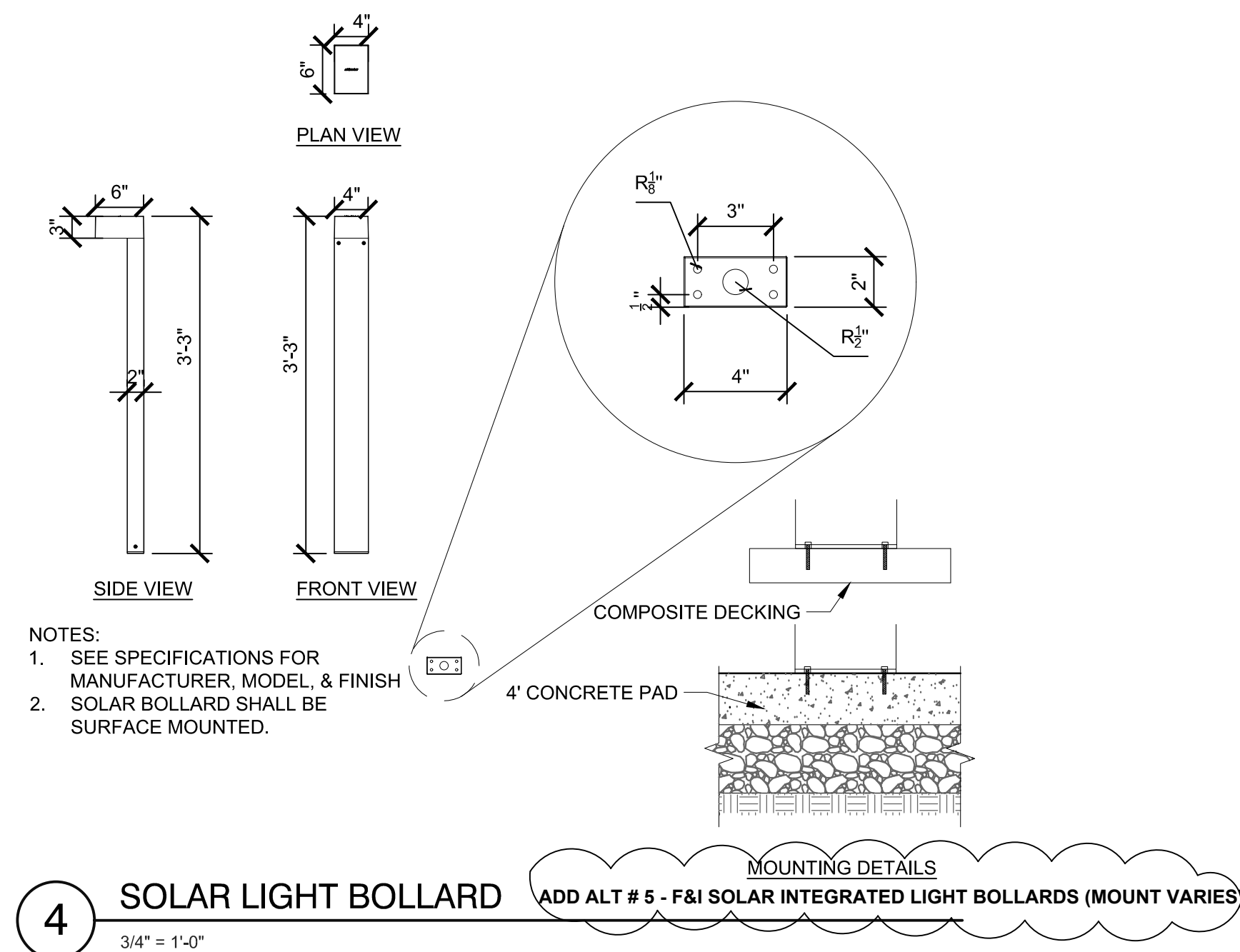
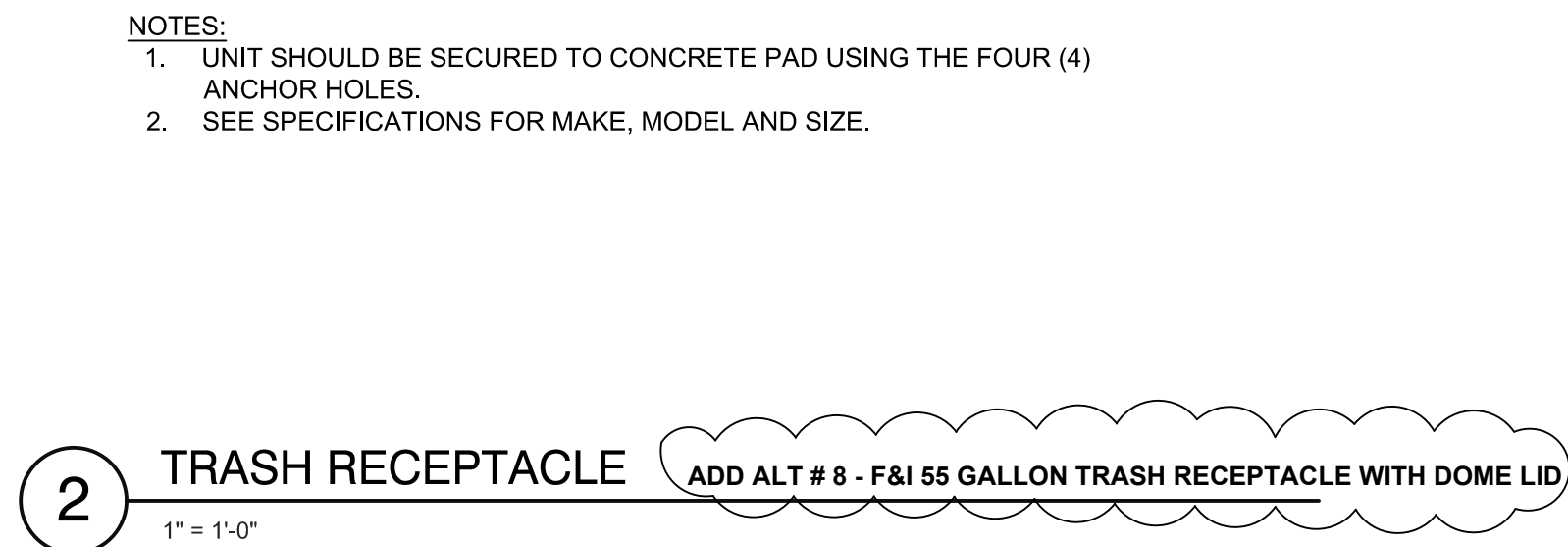
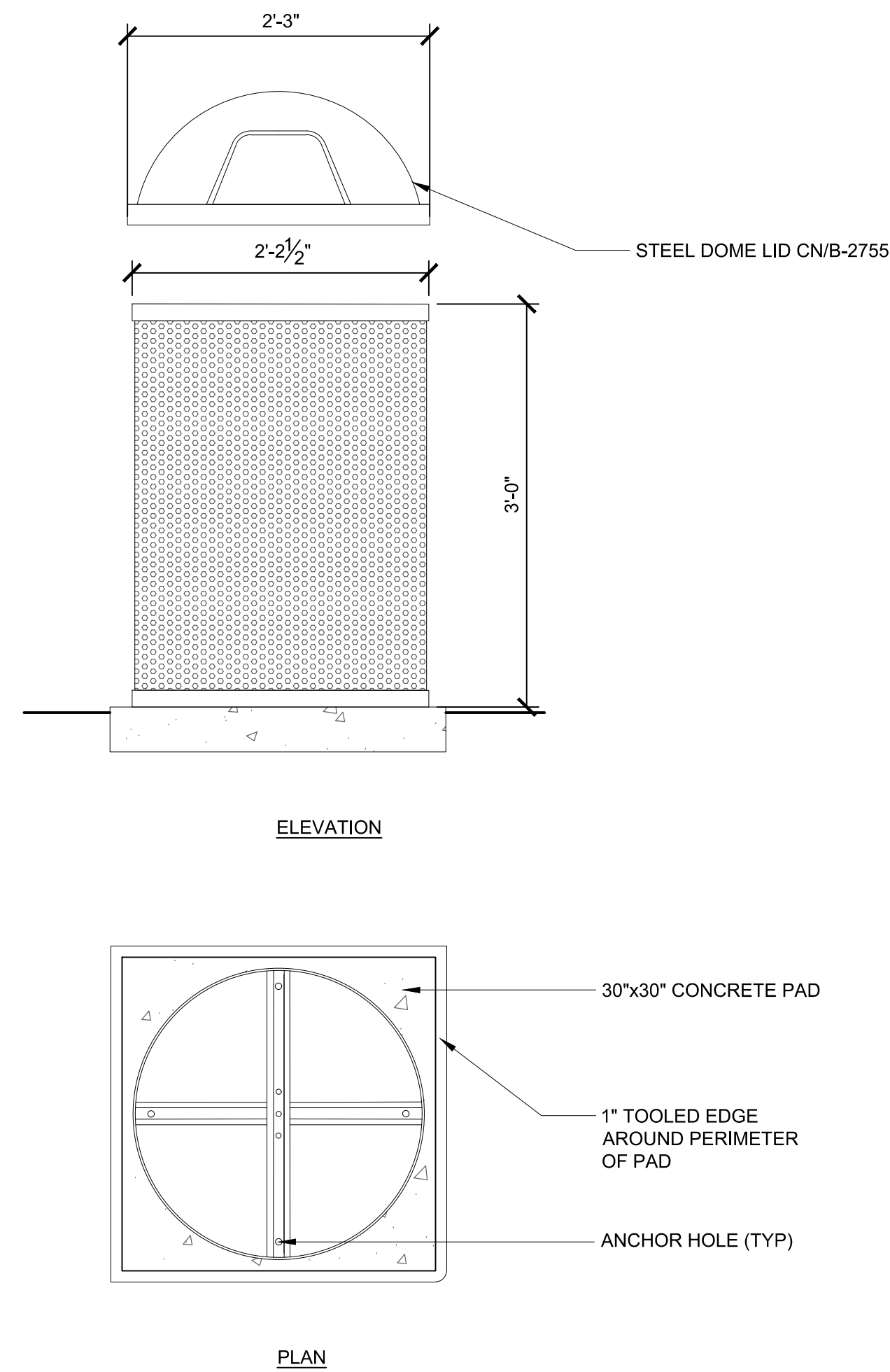
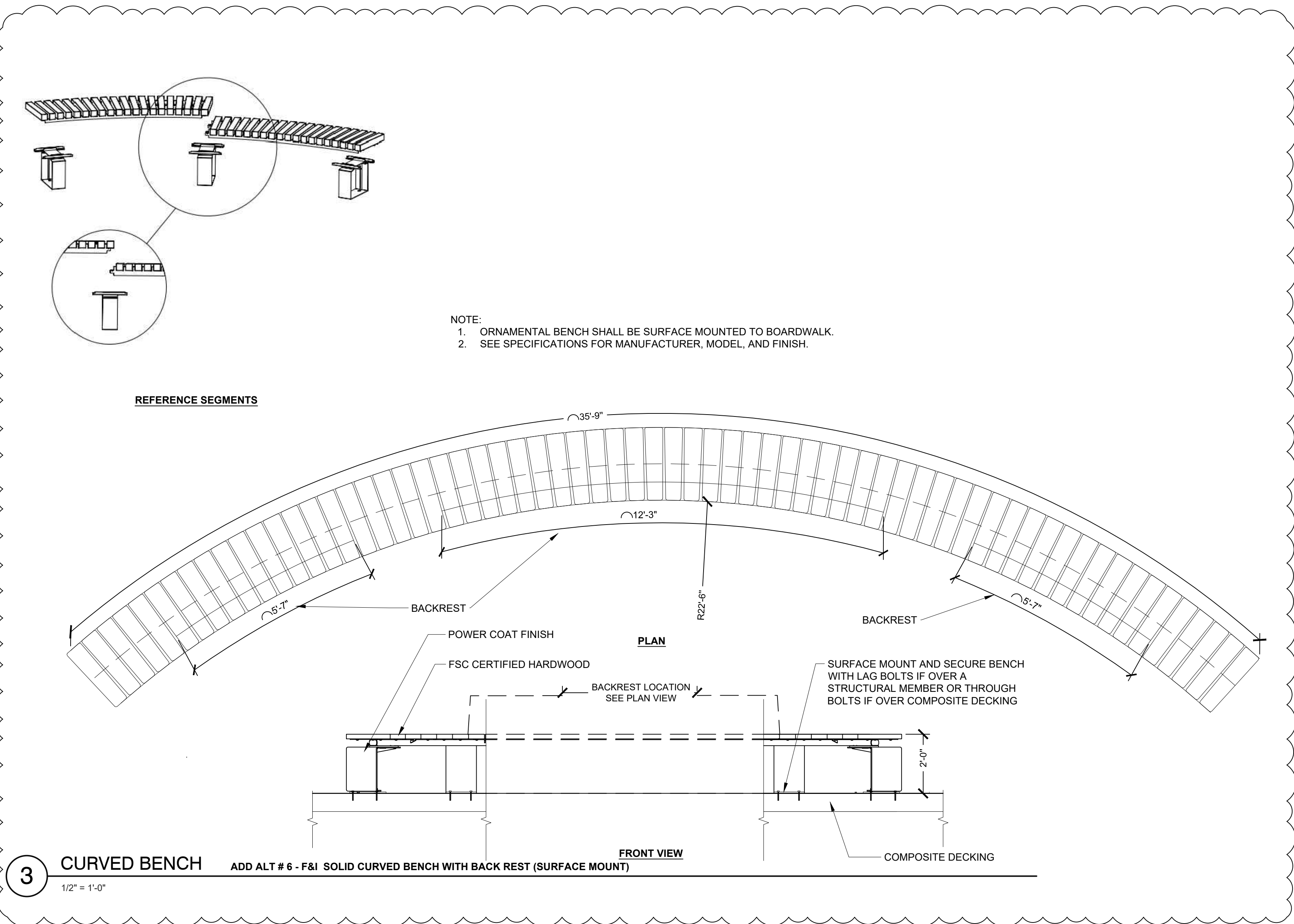
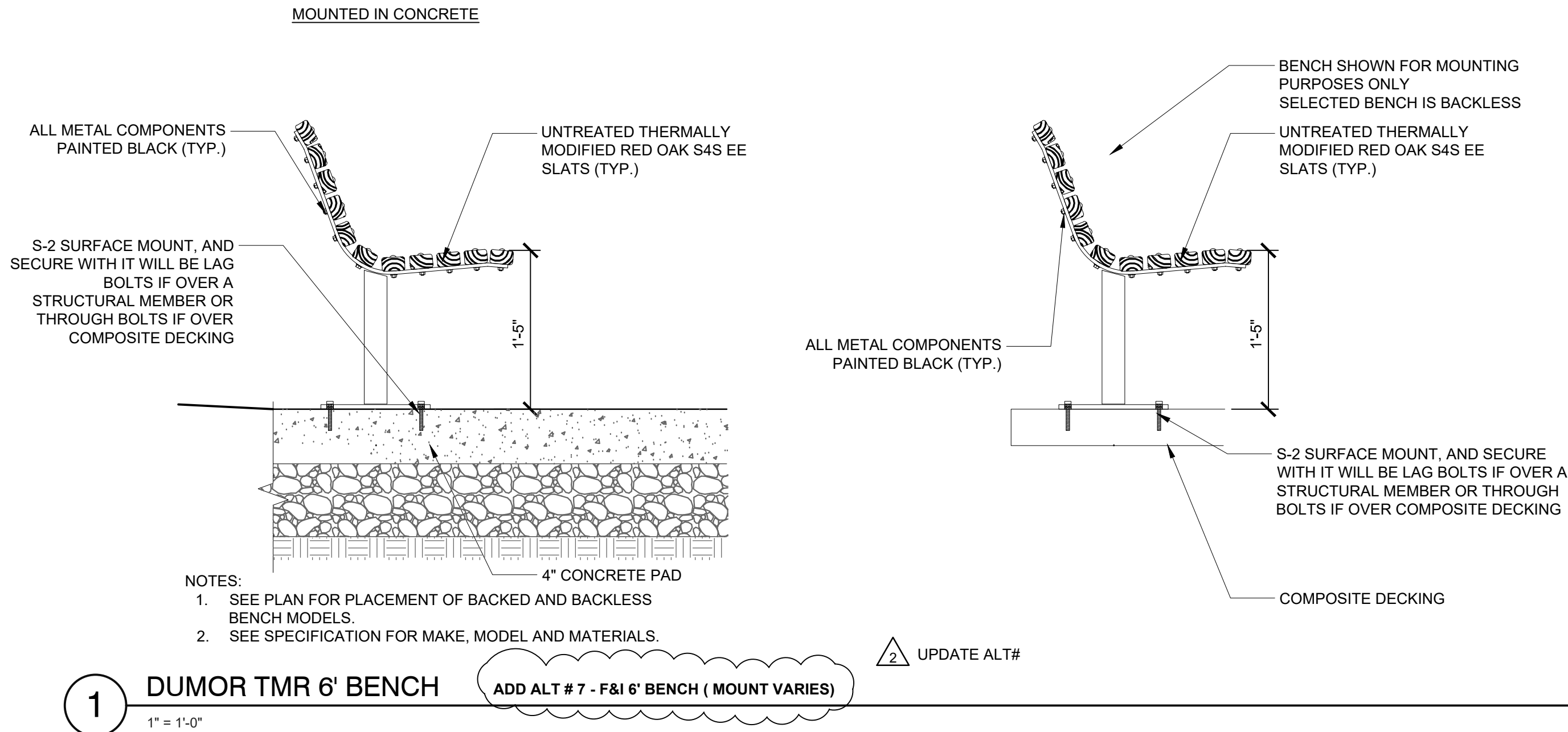
SHEET TITLE

DETAILS

L3-01

19 OF 24

P-PA-PCL-98



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NORTH ARROW

AS SHOWN
ON PLAN

SCALE

AS SHOWN
ON PLAN

DRAWING INFO

DATE ISSUED: 04/19/2025
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SHEET TITLE

DETAILS

L3-02

20 OF 24



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AS SHOWN
ON PLAN

SCALE

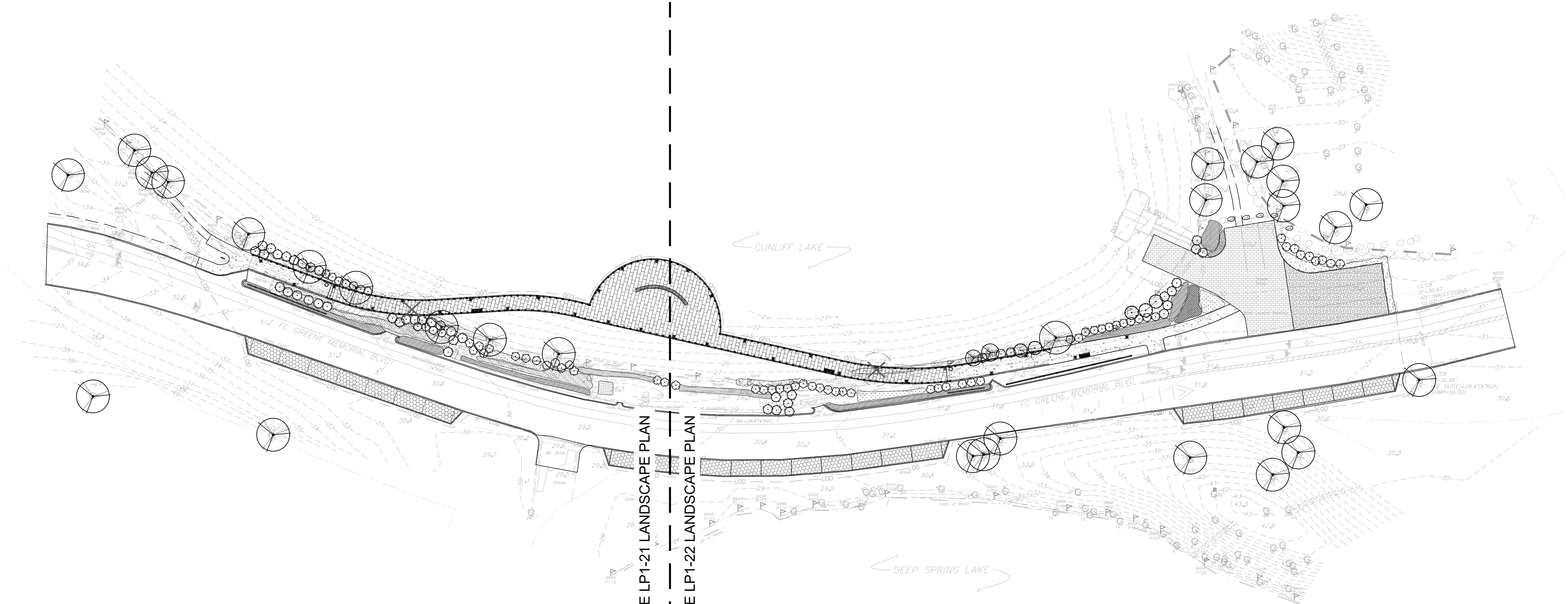
AS SHOWN
ON PLAN

DRAWING INFO

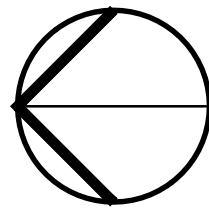
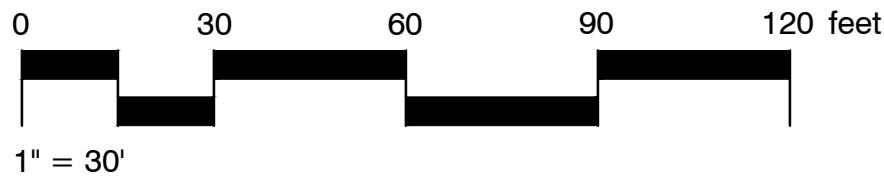
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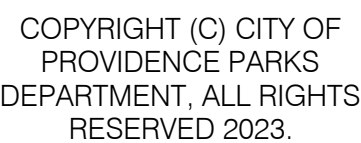
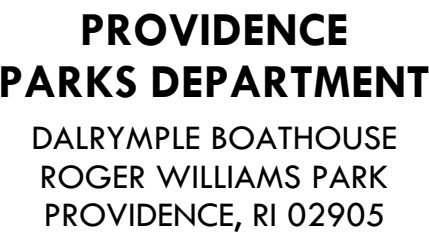
SHEET TITLE

**OVERALL
LANDSCAPE
PLAN
LP1-01**



SEE LP1-21 LANDSCAPE PLAN
SEE LP1-22 LANDSCAPE PLAN





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NORTH ARROW

**AS SHOWN
ON PLAN**

SCALE

**AS SHOWN
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SHEET TITLE

LANDSCAPE PLAN

LP1-21









22 OF 24

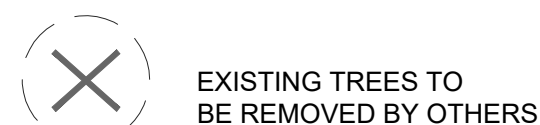
PLANT SCHEDULE LP1-21

<u>SYMBOL</u>	<u>CODE</u>	<u>QTY</u>	<u>BOTANICAL / COMMON NAME</u>	<u>CONT</u>
<u>SHRUBS</u>				
	Cr	27	Cornus sericea 'Cardinal' / Cardinal Red Twig Dogwood	#3
	Ia	12	Ilex verticillata 'Aterglow' / Afterglow Winterberry	#3
	Va	14	Viburnum dentatum / Viburnum	#3

SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	CONT	SPACING
--------	------	-----	-------------------------	------	---------

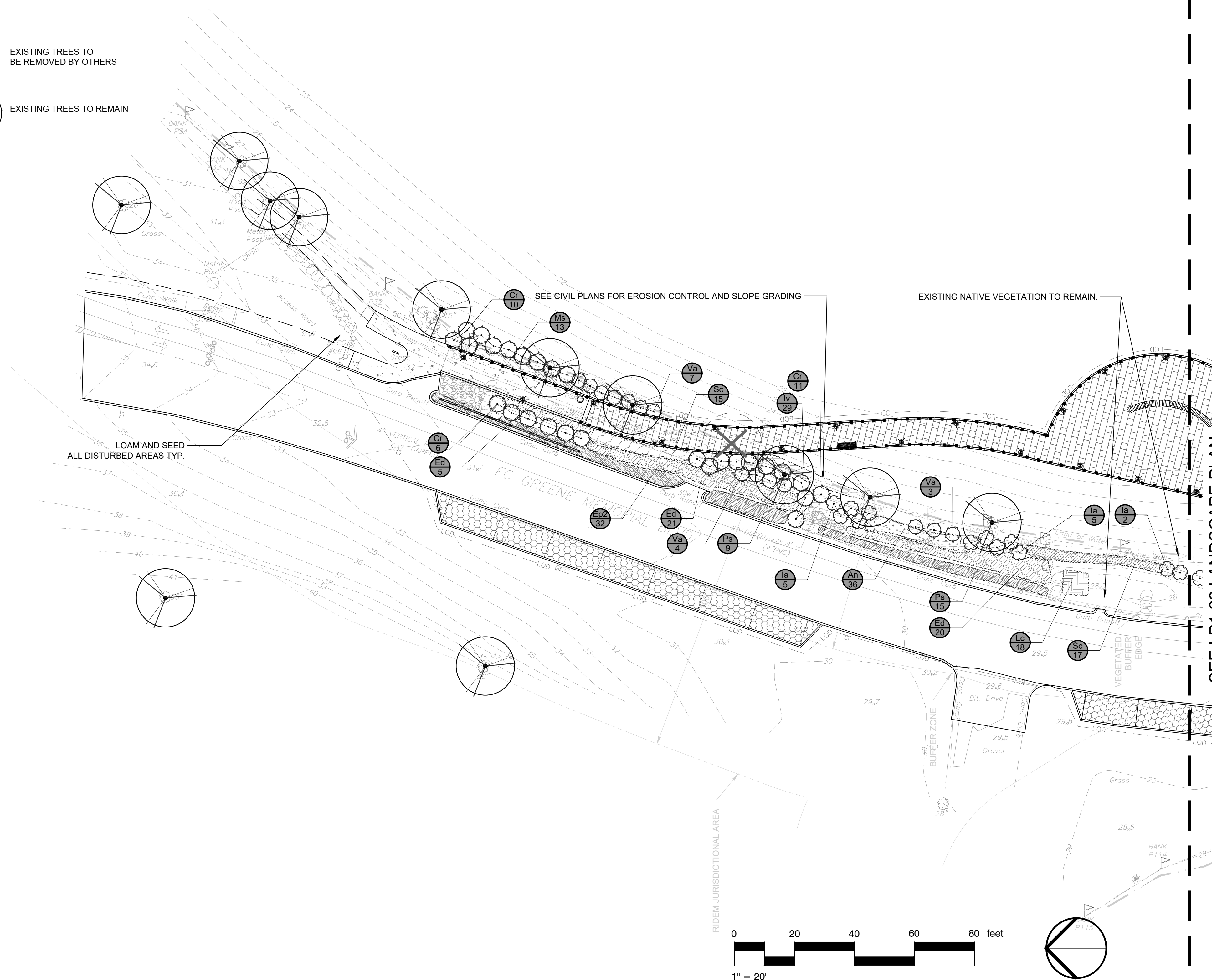
GROUND COVERS

	An	36	Aster novi-belgii ' Professor Anton Kippenberg ' / New York Aster	#1	24" o.c.
	Ep2	32	Echinacea purpurea 'Pica Bella' / Pica Bella Coneflower	#1	36" o.c.
	Ed	46	Eupatorium dubium / Joe Pye Weed	#1	48" o.c.
	Iv	29	Iris versicolor / Blue Flag	#1	24" o.c.
	Lc	18	Lobelia cardinalis / Cardinal Flower	#1	24" o.c.
	Ms	13	Matteuccia struthifera / Ostrich Fern	#1	36" o.c.
	Ps	24	Panicum virgatum 'Shenandoah' / Shenandoah Switch Grass	#1	48" o.c.
	Sc	32	Sorghastrum nutans 'Indian Steel' / Indian Steel Indian Grass	#1	36" o.c.



NOTES

1. SEE CIVIL PLANS FOR ALL EROSION CONTROL AND GRADING



PLANT SCHEDULE LP1-22

SYMBOL CODE QTY BOTANICAL / COMMON NAME

TREES

BR 5 Betula nigra / River Birch

SHRUBS

Cr 17 Cornus sericea 'Cardinal' / Cardinal Red Twig Dogwood
la 20 Ilex verticillata 'Afterglow' / Afterglow Winterberry
Rv 9 Rhododendron viscosum / Swamp Azalea
Va 12 Viburnum dentatum / Viburnum

SYMBOL CODE QTY BOTANICAL / COMMON NAME

GROUND COVERS

An 79 Aster novi-belgii 'Professor Anton Kippenberg' / New York Aster
Cs2 103 Carex stricta / Tussock Sedge
Ep2 34 Echinacea purpurea 'Pica Bella' / Pica Bella Coneflower
Iv 49 Iris versicolor / Blue Flag
Ms 8 Matteuccia struthiopteris / Ostrich Fern
Ps 40 Panicum virgatum 'Shenandoah' / Shenandoah Switch Grass
Sc 20 Sorghastrum nutans 'Indian Steel' / Indian Steel Indian Grass

SEED MIXES

Rs 392 sf / Restoration Seedmix

CONT

#3

#3

#3

#3

CONT

SPACING

#1 24" o.c.

#1 24" o.c.

#1 36" o.c.

#1 24" o.c.

#1 36" o.c.

#1 48" o.c.

#1 36" o.c.

seed

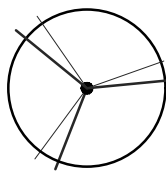
seed

NOTES:

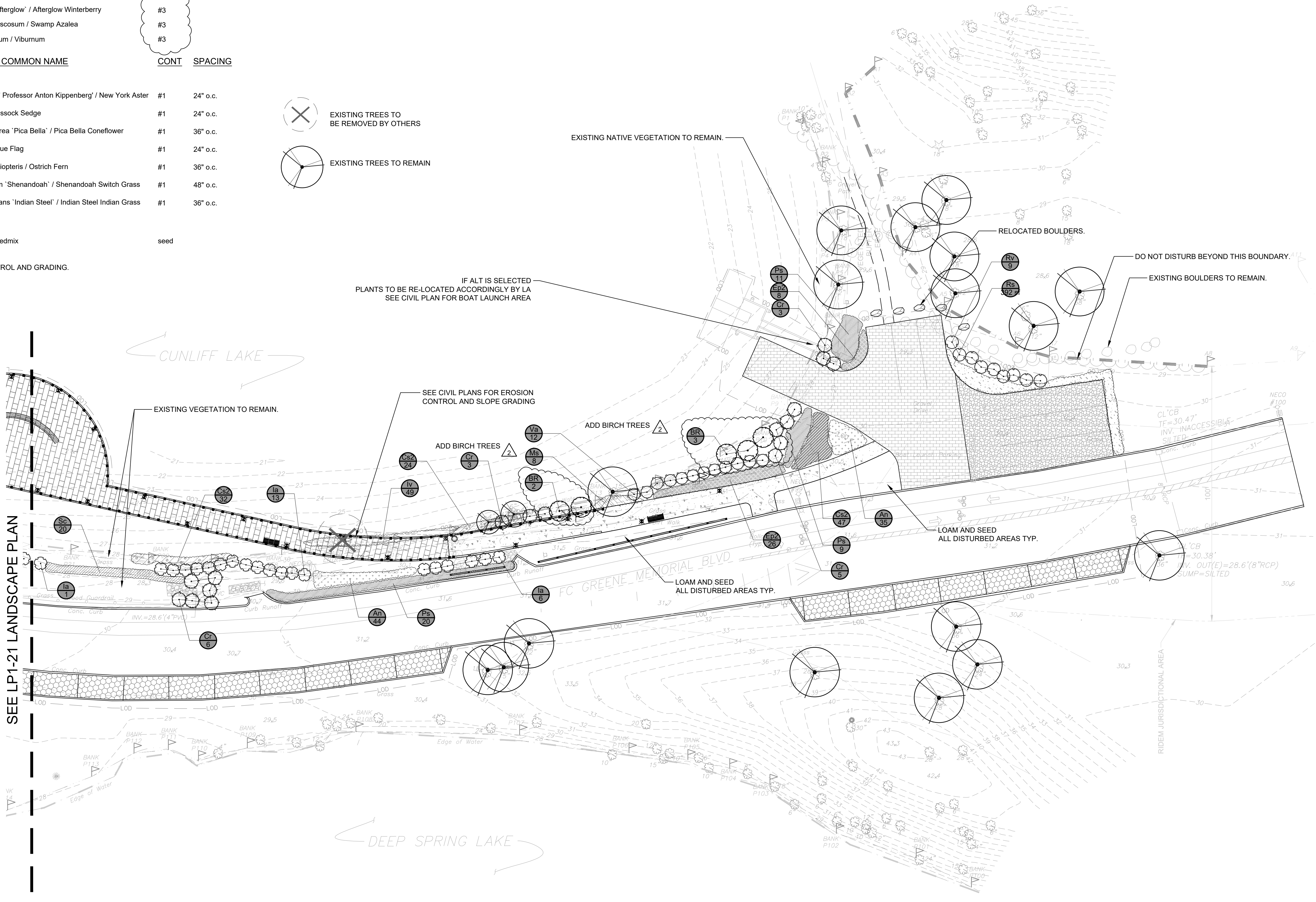
1. SEE CIVIL PLANS FOR ALL EROSION CONTROL AND GRADING.



EXISTING TREES TO
BE REMOVED BY OTHERS



EXISTING TREES TO REMAIN



**PROVIDENCE
PARKS DEPARTMENT**
DALRYMPLE BOATHOUSE
ROGER WILLIAMS PARK
PROVIDENCE, RI 02905



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CONSULTANT



SEAL / SIGNATURE

STAMP

PROJECT:

**Cunliff Lake Boardwalk
at Roger Williams Park**

1000 Elmwood Avenue
A.P. 90, Lot 157
Providence, RI 02095

REVISIONS:

Date	Issued For:
1/13/2025	Permit Set
2/7/2025	Draft Set
3/10/2025	IFB Set
4/7/2025	IFB Addendum #1
4/19/2025	IFB Addendum #2

NORTH ARROW

AS SHOWN
ON PLAN

SCALE

AS SHOWN
ON PLAN

DRAWING INFO

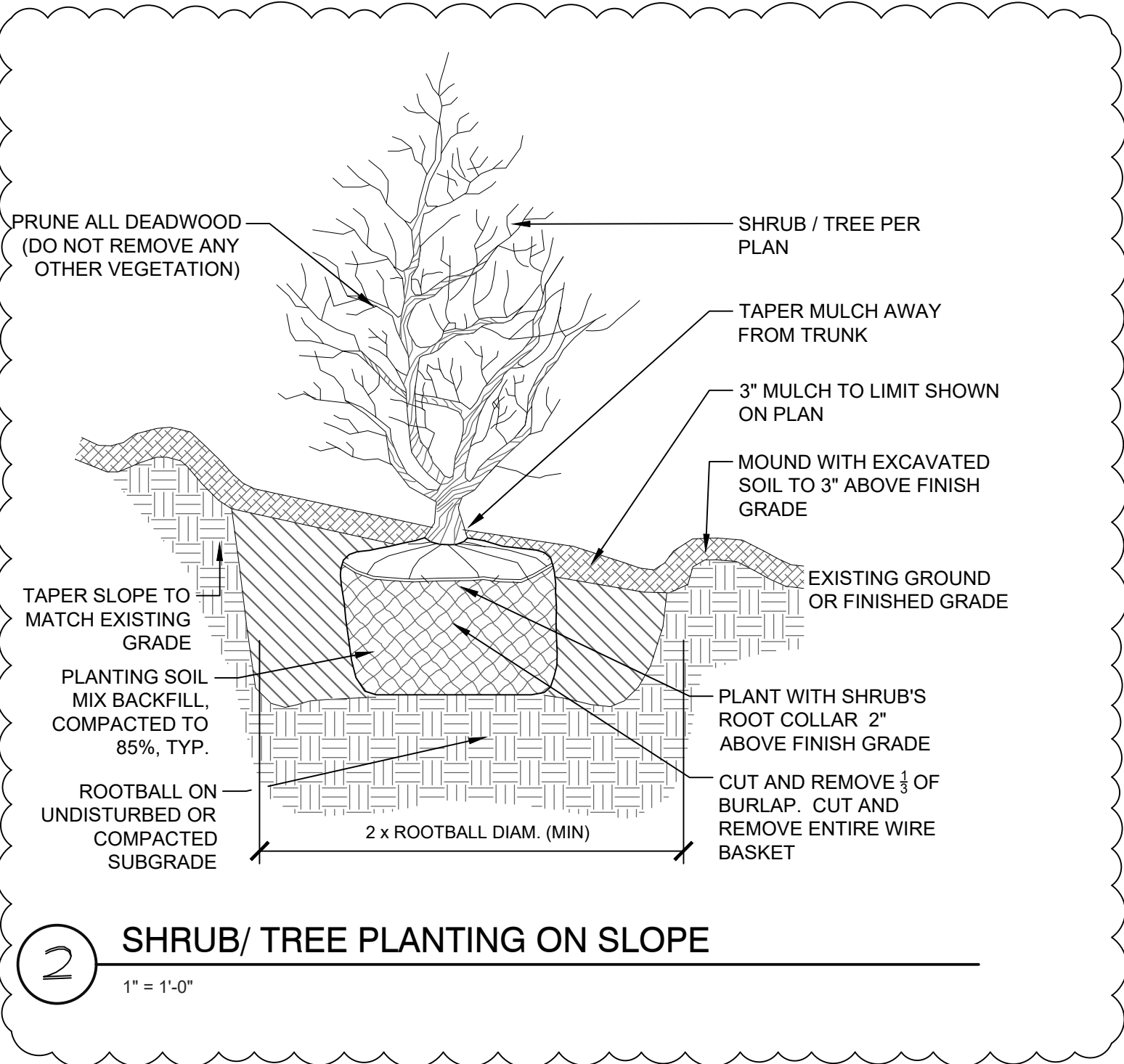
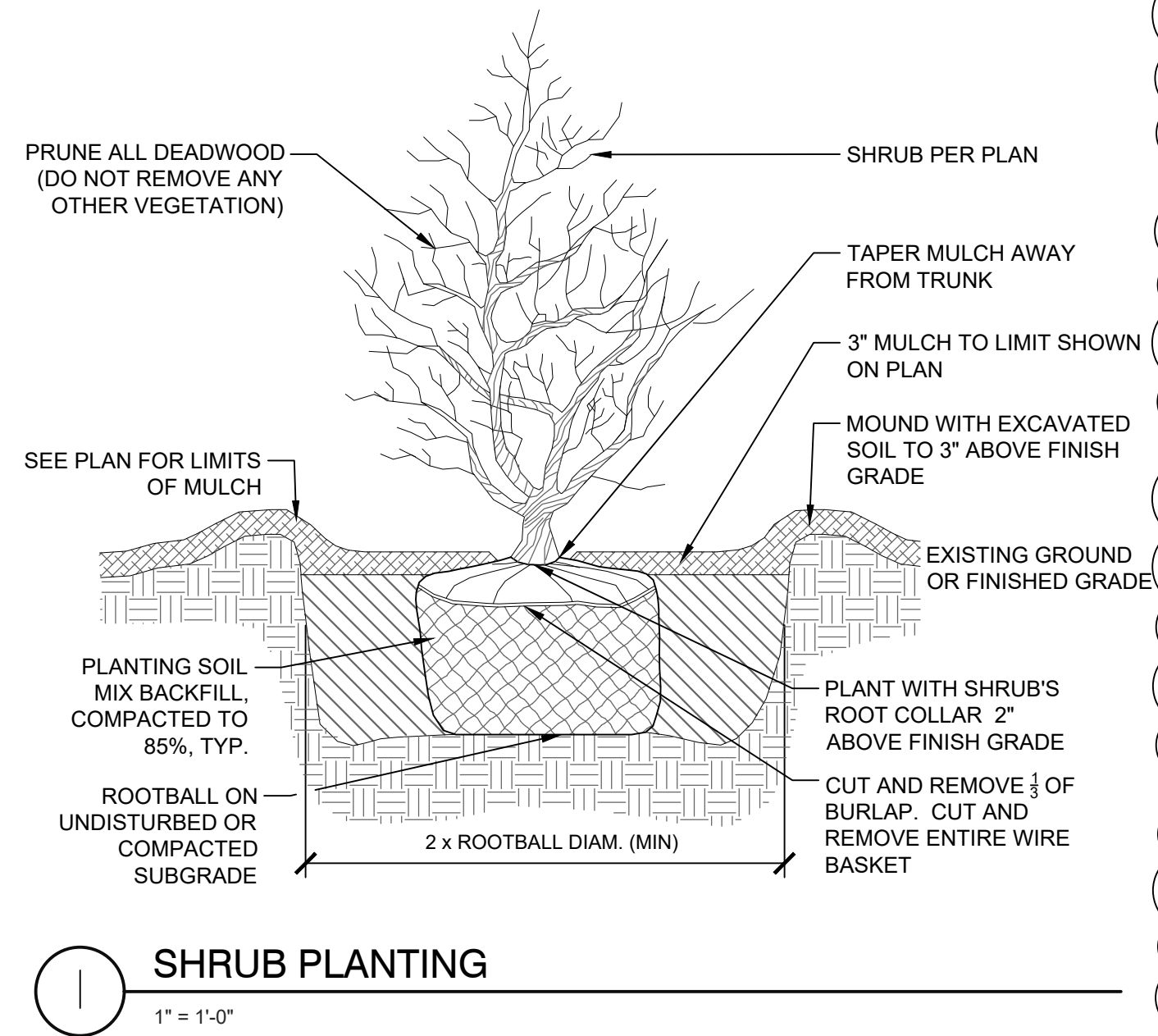
DATE ISSUED: 04/19/2025
PROJECT NO: PO1015
DRAWN BY: HW
CHECKED BY: AIC

SHEET TITLE

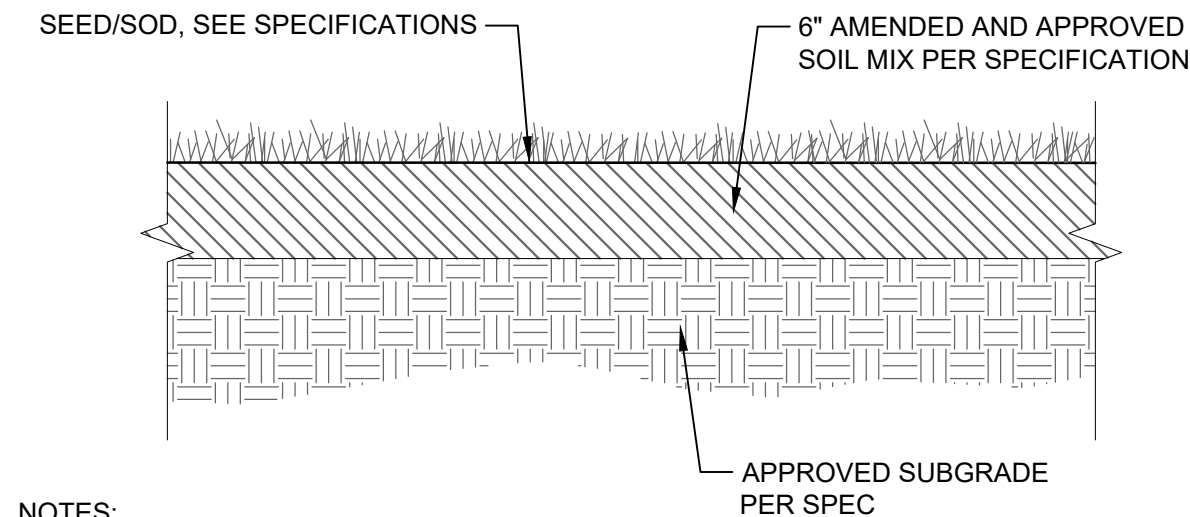
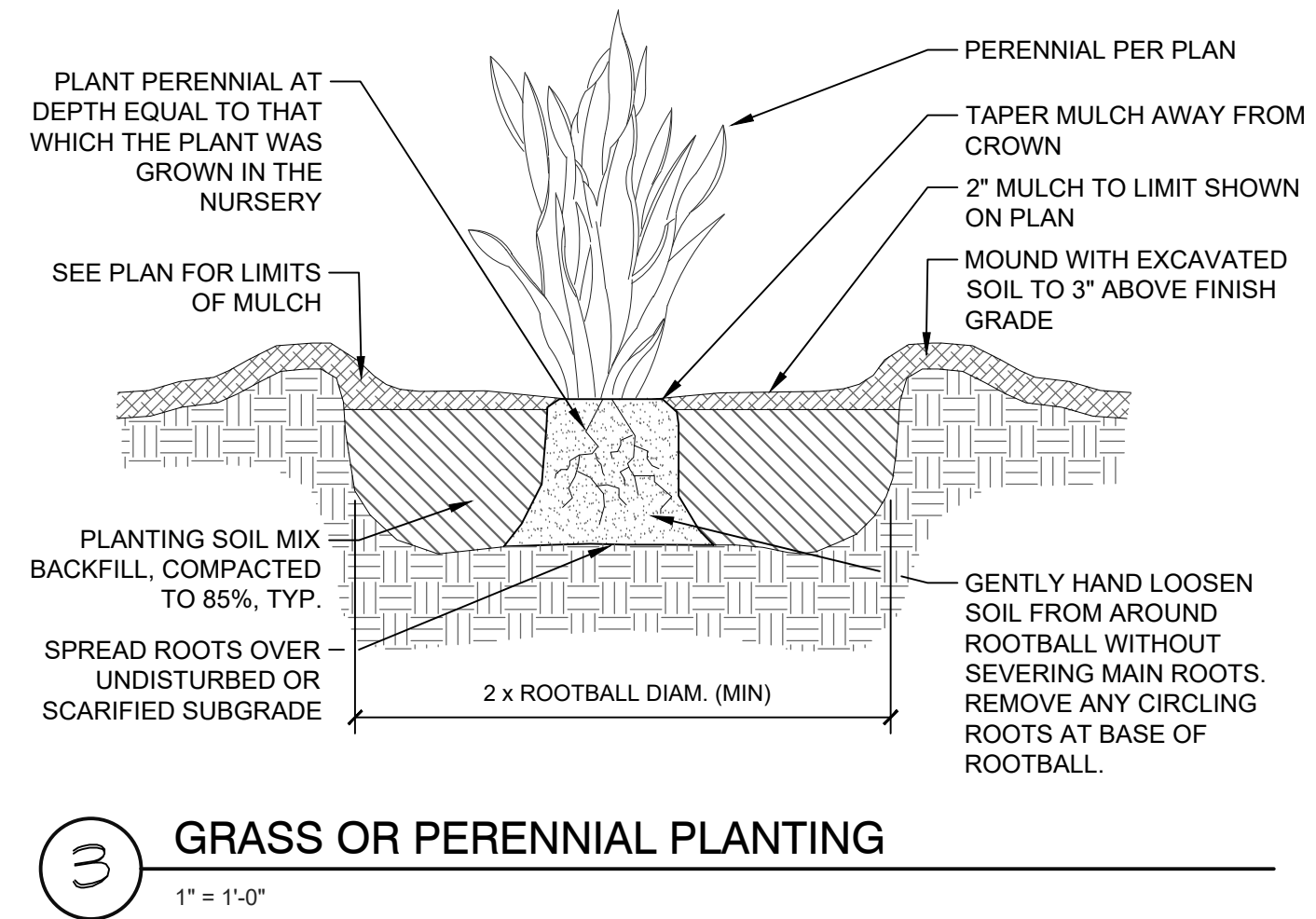
**LANDSCAPE
PLAN**

LP1-22

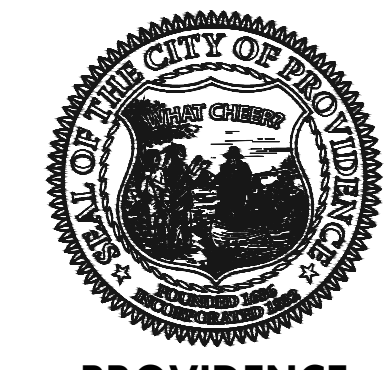
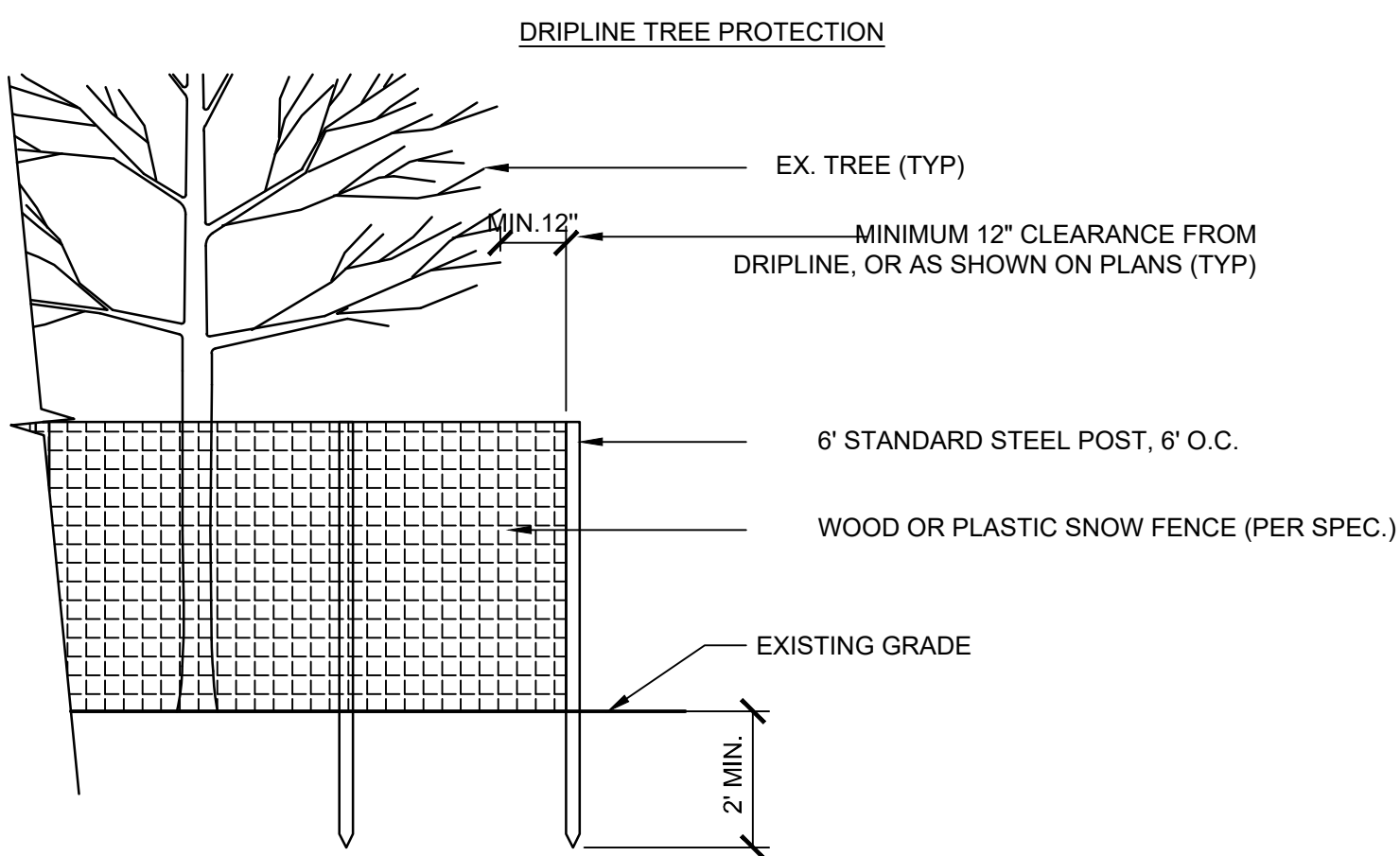
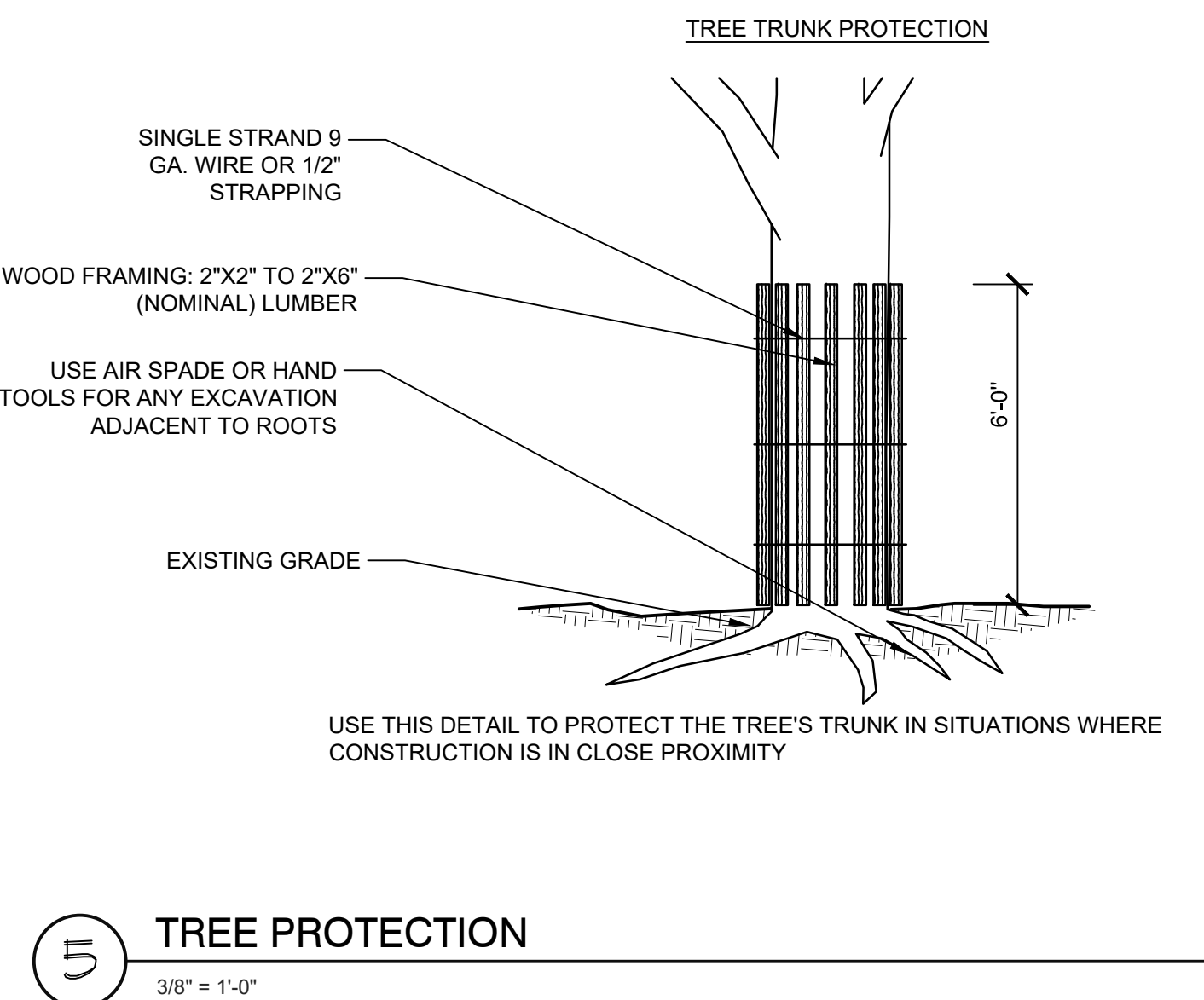
23 OF 24



DETAIL UPDATE



- NOTES:
1. SEE PLANS FOR LIMITS OF SEEDED/SODDED AREAS.
 2. AREAS OUTSIDE THE LIMITS OF PROPOSED WORK DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY THE CONTRACTOR WITH 6 INCHES LOAM AND SEED/SOD.
 3. AREAS DISTURBED DURING CONSTRUCTION AND NOT RESTORED WITH IMPERVIOUS SURFACES (BUILDINGS, PAVEMENTS, WALKS, ETC.) SHALL RECEIVE 6 INCHES LOAM AND SEED/SOD.
 4. CONTRACTOR SHALL ENSURE A FULL 6" DEPTH OF LOAM AFTER ROLLING, RAKING, AND WATERING. PREPARED SEED BED SHALL BE REVIEWED BY THE LANDSCAPE ARCHITECT PRIOR TO SEEDING ACTIVITIES.



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SHEET TITLE

**PLANTING
DETAILS**

LP3-01

24 OF 24