



Procurement #: 39135>

CITY OF PROVIDENCE, RHODE ISLAND

Department: Parks

RFP Title: Splashpad installation at Bucklin Park

Opening Date: 01/17/2023

Addendum #: 1

Issue Date: 01/06/2023

The purpose of this addendum is to respond to vendor questions.

This addendum also serves to provide updated wage decision documents and updated plans with Vortex P&E.

Providence City Hall
25 Dorrance Street
Providence, RI 02903



CITY OF PROVIDENCE
Jorge O. Elorza, Mayor

SPLASHPAD INSTALLATION AT BUCKLIN PARK

Addendum # 1

January 4, 2022

(27 Pages)

Acknowledge Addendum on Bid Form

**** BID DUE DATE -Tuesday, January 17th, 2022 at 2:15 PM****

1. Addendum Cover Sheet (1 Page)
2. Pre-Bid Meeting Agenda (2 pages)
3. Pre-Bid Meeting Sign-in Sheet 1 (1 page)
4. Updated Wage Decision (13 pages)
5. Updated Plans with Vortex P&E (10 Pages)

Questions/Clarifications:

1. Q: How should the piping for the spray features exit the building?
A: The piping will go up into the ceiling and into the attic space and then come down the outside of the building (in conduit) and underground. The existing asphalt will have to be sawcut. See updates to plans L-2 & L-3
2. Q: What is the best way to access the site?
A: Currently the best access is either via the pool parking lot or from the Recreation center parking lot on Bucklin St. However, if the fence is temporarily removed, the site could be accessed from the side of the pool building.
3. Life Floor's preferred installer for their product is:
Inside Edge Safety Surfacing
Attn: Shawn Travis
612-220-1717
shawn@safetysurfaces.com

If Inside Edge is not used, bidder must warrant all installation services they provide to be free of defects in workmanship and adhesion for a term of two (2) years from the date of completion of the installation of the Products.

PROVIDENCE PARKS DEPARTMENT
1000 Elmwood Avenue, Providence, Rhode Island 02907
Phone: 401-785-9450 | Fax: 401-941-5920
www.providenceri.gov



CITY OF PROVIDENCE

Jorge O. Elorza, Mayor

Pre-Bid Meeting – Non-Mandatory

Date: Tuesday, December 20, 2022 @ 11:00 AM – 404 Dexter St (Site)

Project: **Splashpad Installation at Bucklin Park**

Bid Due: Tuesday, January 17th, 2023 by 2:15 PM (no BOCS meeting on 01/03/23)

Agenda:

1. Bid Documents – Any Issues accessing documents?
 - a. Funding – Capital Improvements Plan (CIP), ARPA
 - b. P&E plan from Vortex will be issued with Addendum 1
 - c. Timeline: Construction – Finished by 6/1/23 so it can open for Summer 2023
2. Parks Department – Project Manager/Owner
3. Review of Bid Documents
 - a. BID FORM 1: Bidders Blank
 - i. Supplemental Bid Documents Expected
 - b. WBE/MBE Form Instructions
 - i. If there are no Sub-Contractors
 1. Fill out Waiver, submit remaining paperwork as N/A
 - ii. If Sub-Contractors will be utilized
 1. Seek DBE Vendors
 2. All paperwork must be completed
 - c. Bid Bond – Performance & Payments Bonds are Required
4. Insurance Certificate After Award – 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’
5. Permits - Contractor’s Responsibility to Seek Out if Permit is Needed
 - a. The City Permit Fee will be Waived (Contact when Submitting)
 - b. State ADA Fee is not waived
6. Prevailing Wage Requirements
 - a. Wage Decision in RFP (Date of Bid Opening)
 - b. Certified Payrolls to be Submitted with Pay Requisitions
 - c. Braided funding still only requires 1 invoice.
7. Submittals
 - a. Need Written Approval prior to purchase of Materials

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CITY OF PROVIDENCE

Jorge O. Elorza, Mayor

- b. Substitutions must include 'Side by Side Comparison'
 - 8. Schedule of Values / Sequence of Work – Submitted prior to mobilization
 - a. City expects a Continuous Operation (No Demobilizations)
 - b. Liquidated Damages – Not Included
 - 9. Working Hours
 - a. Monday – Friday 7:00 am – 3:30 pm
 - b. Weekends or Extended Hours – Requires Pre-Approval
 - 10. Job Site Conduct
 - a. Parks are smoke free 'No Smoking'
 - b. No Loud Music
 - c. Equipment and Vehicles – In working Order – No Leaks
- Questions Need to be Submitted in Writing (5) Working Days Prior to the Opening – Sent Via E-mail to Sam Greenwood at Sgreenwood@providenceri.gov and Liza Perez operez@providenceri.gov - Please use the subject line **RFP Question**

Parks Department Contact Information

Sam Greenwood 401-680-7299 Landscape Architect (Primary Contact)
E-Mail: sgreenwood@providenceri.gov

PROVIDENCE PARKS DEPARTMENT

1000 Elmwood Avenue, Providence, Rhode Island 02907

Phone: 401-785-9450 | Fax: 401-941-5920

www.providenceri.gov

Sign-In Sheet

Non-Mandatory Pre-Bid Meeting

TUESDAY DECEMBER 20, 2022 at 11:00 AM – 404 DEXTER ST - PROVIDENCE

Project: SPLASHPAD INSTALLATION AT BUCKLIN PARK

| NAME | COMPANY | E-MAIL | PHONE |
|----------------|--------------------------|------------------------------|----------------------|
| Emma Donatelli | Site Tech | edonatelli@sitektechcorp.com | 401-571-4867 |
| Jon Trakas | Narragansett Improvement | jtrakas@nicori.com | (401) 331-7420 x 118 |
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"General Decision Number: RI20220001 12/23/2022

Superseded General Decision Number: RI20210001

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)(2)-(60).

| | |
|---|---|
| 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: | <ul style="list-style-type: none"> . Executive Order 14026 generally applies to the contract. . The contractor must pay all covered workers at least \$15.00 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 2022. |
| 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: | <ul style="list-style-type: none"> . Executive Order 13658 generally applies to the contract. . The contractor must pay all covered workers at least \$11.25 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 2022. |

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 <https://www.dol.gov/agencies/whd/government-contracts>.

| Modification Number | Publication Date |
|---------------------|------------------|
| 0 | 01/07/2022 |
| 1 | 01/21/2022 |
| 2 | 02/18/2022 |
| 3 | 02/25/2022 |
| 4 | 04/01/2022 |
| 5 | 05/06/2022 |
| 6 | 05/27/2022 |
| 7 | 06/03/2022 |
| 8 | 06/24/2022 |
| 9 | 08/26/2022 |
| 10 | 09/09/2022 |
| 11 | 12/09/2022 |
| 12 | 12/16/2022 |
| 13 | 12/23/2022 |

ASBE0006-006 06/01/2022

| Rates | Fringes |
|-------|---------|
|-------|---------|

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).....\$ 38.30 25.55

ASBE0006-008 09/01/2021

| Rates | Fringes |
|-------|---------|
|-------|---------|

Asbestos Worker/Insulator
Includes application of
all insulating materials,
protective coverings,
coatings & finishes to all
types of mechanical systems.\$ 45.00 32.89

BOIL0029-001 01/01/2021

| Rates | Fringes |
|-------|---------|
|-------|---------|

BOILERMAKER.....\$ 45.87 29.02

BRRIO003-001 06/01/2022

| Rates | Fringes |
|-------|---------|
|-------|---------|

Bricklayer, Stonemason,
Pointer, Caulker & Cleaner.....\$ 46.86 29.14

BRRIO003-002 09/01/2022

| Rates | Fringes |
|-------|---------|
|-------|---------|

Marble Setter, Terrazzo
Worker & Tile Setter.....\$ 46.54 30.34

BRRIO003-003 09/01/2022

| Rates | Fringes |
|-------|---------|
|-------|---------|

Marble, Tile & Terrazzo

| | | |
|---------------|----------|-------|
| Finisher..... | \$ 38.78 | 29.61 |
|---------------|----------|-------|

CARP0330-001 06/05/2022

| | | |
|--|-------|---------|
| | Rates | Fringes |
|--|-------|---------|

CARPENTER (Includes Soft

| | | |
|-------------------|----------|-------|
| Floor Layer)..... | \$ 41.46 | 28.82 |
|-------------------|----------|-------|

| | | |
|-------------------|----------|-------|
| Diver Tender..... | \$ 40.72 | 28.66 |
|-------------------|----------|-------|

| | | |
|------------|----------|-------|
| DIVER..... | \$ 53.61 | 28.82 |
|------------|----------|-------|

| | | |
|-----------------|----------|-------|
| Piledriver..... | \$ 39.72 | 28.66 |
|-----------------|----------|-------|

| | | |
|-------------|----------|-------|
| WELDER..... | \$ 42.46 | 28.82 |
|-------------|----------|-------|

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 01/06/2020

| | | |
|--|-------|---------|
| | Rates | Fringes |
|--|-------|---------|

| | | |
|-----------------|----------|-------|
| MILLWRIGHT..... | \$ 39.07 | 29.15 |
|-----------------|----------|-------|

ELEC0099-002 12/05/2022

| | | |
|--|-------|---------|
| | Rates | Fringes |
|--|-------|---------|

| | | |
|------------------|----------|--------|
| ELECTRICIAN..... | \$ 45.86 | 53.26% |
|------------------|----------|--------|

| | | |
|--------------------------------|----------|--------------|
| Teledata System Installer..... | \$ 34.40 | 12.10%+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 01/01/2022

| | | |
|--|-------|---------|
| | Rates | Fringes |
|--|-------|---------|

| | | |
|------------------------|----------|------------|
| ELEVATOR MECHANIC..... | \$ 56.91 | 36.885+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 06/01/2022

| | Rates | Fringes |
|--|----------|---------|
| 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..... | \$ 43.55 | 29.25+a |
| GROUP 2..... | \$ 41.55 | 29.25+a |
| GROUP 3..... | \$ 37.17 | 29.25+a |
| GROUP 4..... | \$ 34.32 | 29.25+a |
| GROUP 5..... | \$ 40.60 | 29.25+a |
| GROUP 6..... | \$ 31.40 | 29.25+a |
| GROUP 7..... | \$ 25.40 | 29.25+a |
| GROUP 8..... | \$ 37.25 | 29.25+a |
| GROUP 9..... | \$ 41.17 | 29.25+a |

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.

ENGI0057-002 05/01/2022

| | 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..... | \$ 36.70 | 29.25+a |
| GROUP 2..... | \$ 31.40 | 29.25+a |
| GROUP 3..... | \$ 25.40 | 29.25+a |
| GROUP 4..... | \$ 31.98 | 29.25+a |
| GROUP 5..... | \$ 35.68 | 29.25+a |
| GROUP 6..... | \$ 35.30 | 29.25+a |
| GROUP 7..... | \$ 30.95 | 29.25+a |
| GROUP 8..... | \$ 32.33 | 29.25+a |
| GROUP 9..... | \$ 34.28 | 29.25+a |

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

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.

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Digging machine, crane, piledriver, lighter, locomotive, derrick, hoist, boom truck, John Henry's, directional drilling machine, cold planer, reclaimer, paver, spreader, grader, front end loader (3 yds. and over), vacuum truck, test boring machine operator, veemere saw, water blaster, hydro-demolition robot, forklift, econobile, Ross Carrier, concrete pump operator and boats

GROUP 2: Well point installation crew

GROUP 3: Utility engineers and signal persons

GROUP 4: Oiler on cranes

GROUP 5: Combination loader backhoe, front end loader (less than 3 yds.), forklift, bulldozers & scrapers and boats

GROUP 6: Roller,skid steer loaders, street sweeper

GROUP 7: Gas and electric drive heater, concrete mixer, light plant, welding machine, pump & compressor

GROUP 8: Stone crusher

GROUP 9: Mechanic & welder

ENGI0057-003 06/01/2022

BUILDING CONSTRUCTION

| | Rates | Fringes |
|--------------------------|----------|---------|
| Power Equipment Operator | | |
| GROUP 1..... | \$ 42.82 | 29.25+a |
| GROUP 2..... | \$ 40.82 | 29.25+a |
| GROUP 3..... | \$ 40.60 | 29.25+a |
| GROUP 4..... | \$ 36.60 | 29.25+a |
| GROUP 5..... | \$ 33.75 | 29.25+a |
| GROUP 6..... | \$ 39.90 | 29.25+a |
| GROUP 7..... | \$ 39.47 | 29.25+a |
| GROUP 8..... | \$ 36.79 | 29.25+a |

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

IRON0037-001 09/16/2021

| | Rates | Fringes |
|-----------------|----------|---------|
| IRONWORKER..... | \$ 38.21 | 30.58 |

LAB00271-001 05/30/2021

BUILDING CONSTRUCTION

| | Rates | Fringes |
|--------------|----------|---------|
| LABORER | | |
| GROUP 1..... | \$ 33.55 | 26.15 |
| GROUP 2..... | \$ 33.80 | 26.15 |
| GROUP 3..... | \$ 34.30 | 26.15 |
| GROUP 4..... | \$ 34.55 | 26.15 |
| GROUP 5..... | \$ 35.55 | 26.15 |

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 05/30/2021

HEAVY AND HIGHWAY CONSTRUCTION

| | Rates | Fringes |
|----------------|----------|---------|
| LABORER | | |
| COMPRESSED AIR | | |
| Group 1..... | \$ 53.45 | 24.15 |
| Group 2..... | \$ 50.98 | 24.15 |
| Group 3..... | \$ 40.50 | 24.15 |
| FREE AIR | | |
| Group 1..... | \$ 44.05 | 24.15 |

| | | |
|---|----------|-------|
| Group 2..... | \$ 43.05 | 24.15 |
| Group 3..... | \$ 40.50 | 24.15 |
| LABORER | | |
| Group 1..... | \$ 33.55 | 24.15 |
| Group 2..... | \$ 33.80 | 24.15 |
| Group 3..... | \$ 34.55 | 24.15 |
| Group 4..... | \$ 27.05 | 24.15 |
| Group 5..... | \$ 35.55 | 24.15 |
| OPEN AIR CAISSON, UNDERPINNING WORK AND BORING CREW | | |
| Bottom Man..... | \$ 39.55 | 24.15 |
| Top Man & Laborer..... | \$ 38.60 | 24.15 |
| TEST BORING | | |
| Driller..... | \$ 40.00 | 24.15 |
| Laborer..... | \$ 38.60 | 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

PAIN0011-005 06/01/2022

| | Rates | Fringes |
|---|----------|---------|
| PAINTER | | |
| Brush and Roller..... | \$ 37.22 | 23.40 |
| Epoxy, Tanks, Towers, Swing Stage & Structural Steel..... | \$ 39.22 | 23.40 |
| Spray, Sand & Water Blasting..... | \$ 40.22 | 23.40 |
| Taper..... | \$ 37.97 | 23.40 |
| Wall Coverer..... | \$ 37.72 | 23.40 |

PAIN0011-006 06/01/2022

| | Rates | Fringes |
|--------------|----------|---------|
| GLAZIER..... | \$ 40.78 | 23.40 |

FOOTNOTES:

SWING STAGE: \$1.00 per hour additional.

PAID HOLIDAYS: Labor Day & Christmas Day.

PAIN0011-011 06/01/2022

| | Rates | Fringes |
|----------------------------|----------|---------|
| Painter (Bridge Work)..... | \$ 55.00 | 23.75 |

PAIN0035-008 06/01/2011

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

PLAS0040-001 06/03/2019

BUILDING CONSTRUCTION

| | Rates | Fringes |
|-----------------------------------|----------|---------|
| CEMENT MASON/CONCRETE FINISHER... | \$ 36.00 | 27.15 |

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 07/01/2019

HEAVY AND HIGHWAY CONSTRUCTION

| Rates | Fringes |
|-------|---------|
|-------|---------|

CEMENT MASON/CONCRETE FINISHER...\$ 32.85 22.20

PLAS0040-003 07/01/2019

| | Rates | Fringes |
|----------------|----------|---------|
| PLASTERER..... | \$ 37.55 | 27.50 |

PLUM0051-002 08/29/2022

| | Rates | Fringes |
|-------------------------------|----------|---------|
| Plumbers and Pipefitters..... | \$ 47.89 | 31.40 |

ROOF0033-004 12/01/2022

| | Rates | Fringes |
|-------------|----------|---------|
| ROOFER..... | \$ 42.23 | 29.67 |

SFRI0669-001 04/01/2022

| | Rates | Fringes |
|-----------------------|----------|---------|
| SPRINKLER FITTER..... | \$ 47.55 | 29.38 |

SHEE0017-002 12/01/2020

| | Rates | Fringes |
|-------------------------|----------|---------|
| Sheet Metal Worker..... | \$ 38.58 | 36.73 |

TEAM0251-001 05/01/2022

HEAVY AND HIGHWAY CONSTRUCTION

| | Rates | Fringes |
|---------------|----------|----------------|
| TRUCK DRIVER | | |
| GROUP 1..... | \$ 28.46 | 32.10+A+B+C |
| GROUP 2..... | \$ 28.61 | \$ 32.10+A+B+C |
| GROUP 3..... | \$ 28.66 | \$ 32.10+A+B+C |
| GROUP 4..... | \$ 28.71 | \$ 32.10+A+B+C |
| GROUP 5..... | \$ 28.81 | \$ 32.10+A+B+C |
| GROUP 6..... | \$ 29.21 | \$ 32.10+A+B+C |
| GROUP 7..... | \$ 29.41 | \$ 32.10+A+B+C |
| GROUP 8..... | \$ 28.91 | \$ 32.10+A+B+C |
| GROUP 9..... | \$ 29.16 | \$ 32.10+A+B+C |
| GROUP 10..... | \$ 28.96 | \$ 32.10+A+B+C |

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) (ii)).

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

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than ""SU"" or ""UAVG"" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which 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. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the ""SU"" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of 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. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is

based.

WAGE DETERMINATION APPEALS PROCESS

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

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour National Office because National Office has responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write 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 the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write 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 by 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

4.) All decisions by the Administrative Review Board are final.

=====

END OF GENERAL DECISION"



SPLASHPAD INSTALLATION AT BUCKLIN PARK

HONORABLE
JORGE O. ELORZA,
MAYOR

WENDY NILSSON,
SUPERINTENDENT OF PARKS

JAMES TAYLOR
CITY COUNCILOR



GENERAL CONSTRUCTION NOTES

1. BASE INFORMATION OBTAINED FROM GIS AND FIELD OBSERVATION. ALL EXISTING CONDITIONS ARE TO BE CONSIDERED APPROXIMATE. NO REGISTERED SURVEY WAS OBTAINED FOR THE PRODUCTION OF THE EXISTING CONDITIONS PLAN.
2. ANY ERRORS OR DISCREPANCIES ON THE DRAWINGS, SHOP DRAWINGS, AND DETAILS ARE TO BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE BEFORE THE WORK HAS COMMENCED.
3. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL LOCATIONS AND DIMENSIONS. DISCREPANCIES BETWEEN LAYOUT DIMENSIONS ON PLANS AND ACTUAL MEASUREMENTS IN FIELD ARE TO BE REPORTED TO THE OWNER'S REPRESENTATIVE BEFORE CONSTRUCTION BEGINS.
4. THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE PRIOR TO DEMOLITION OR INSTALLATION OF ANY PORTION OF THE SITE WORK .
5. THE CONTRACTOR SHALL STAKE OUT ALL LAYOUTS OF PROPOSED WORK FOR APPROVAL BY THE OWNER'S REPRESENTATIVE PRIOR TO COMMENCING WORK.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL CONTROL POINTS AND BENCHMARKS DURING CONSTRUCTION INCLUDING BENCHMARK LOCATIONS AND ELEVATIONS AT CRITICAL AREAS. THE LOCATION OF ALL CONTROL POINTS AND BENCHMARKS SHALL BE COORDINATED WITH THE OWNER'S REPRESENTATIVE.
7. UNLESS OTHERWISE SPECIFIED ON THE PLANS AND DETAILS/SPECIFICATIONS, ALL SITE CONSTRUCTION MATERIALS AND METHODOLOGIES ARE TO CONFORM TO THE MOST RECENT VERSION OF THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS (THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION 2015 EDITION).
8. CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE LAWS AND REGULATIONS REGARDING NOISE, VIBRATION, DUST, SEDIMENTATION CONTAINMENT, AND TRENCH WORK.
9. 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.
10. ALL UNPAVED AREAS DISTURBED BY THE WORK SHALL HAVE A MINIMUM OF 4-INCHES OF LOAM INSTALLED AND SEEDED WITH GRASS SEED AS SHOWN ON THE PLAN AND/OR DIRECTED BY THE LANDSCAPE ARCHITECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING ANY LOAM AND SEEDED AREAS UNTIL LAWN GROWTH IS ESTABLISHED AND APPROVED BY THE LANDSCAPE ARCHITECT AND/OR OWNER'S REPRESENTATIVE.
11. THE CONTRACTOR SHALL REGULARLY INSPECT THE PERIMETER OF THE PROPERTY TO CLEAN UP AND REMOVE ANY LOOSE CONSTRUCTION DEBRIS BEFORE IT LEAVES THE SITE. ALL DEMOLITION DEBRIS SHALL BE PROMPTLY REMOVED FROM THE SITE TO AN APPROVED DUMP SITE. ALL TRUCKS LEAVING THE SITE SHALL BE COVERED.
12. CONCRETE TRUCKS SHALL NOT BE WASHED ONSITE. ANY CEMENT OR CONCRETE DEBRIS LEFT IN THE DISTURBED AREA SHALL BE REMOVED BY HAND AT THE CONTRACTOR'S EXPENSE.
13. IF ANY DEVIATION OR ALTERATION OF THE WORK PROPOSED ON THESE DRAWINGS IS REQUIRED, THE CONTRACTOR IS TO IMMEDIATELY CONTACT AND COORDINATE WITH THE LANDSCAPE ARCHITECT AND THE OWNER'S REPRESENTATIVE.
14. 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.
15. THE CONTRACTOR IS RESPONSIBLE FOR SECURING THE SITE FOR THE SAFETY OF THE GENERAL PUBLIC AND TO PROTECT PROPERTY AGAINST VANDALISM AND THEFT.
16. THE CONTRACTOR MUST OBTAIN ALL REQUIRED CITY, STATE AND FEDERAL PERMITS.
17. 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.

EROSION & SEDIMENT CONTROL NOTES

1. 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.
2. 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.
3. A MINIMUM SURPLUS OF 100 FEET OF EROSION CONTROL BARRIER (SILT FENCE&/OR SILT SOCK) SHALL BE STOCKPILED ONSITE AT ALL TIMES.
4. THE CONTRACTOR SHALL PROTECT THE ADJACENT AREA FROM SEDIMENTATION DURING PROJECT CONSTRUCTION OPERATIONS.
5. 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.
6. 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.
7. 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.
8. 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.
9. SOIL STOCKPILES LEFT OVERNIGHT SHALL BE SURROUNDED ON THEIR PERIMETERS WITH SILT SOCK.
10. 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.
11. THE CONTRACTOR SHALL CONTAIN ALL SEDIMENT ONSITE. ALL EXITS FROM THE SITE WILL BE SWEEP AS NECESSARY INCLUDING ANY SEDIMENT TRACKING. PAVED AREAS SHALL BE SWEEP AS NEEDED TO REMOVE SEDIMENT AND POTENTIAL POLLUTANTS WHICH MAY ACCUMULATE DURING SITE WORK.
12. ACCUMULATED SEDIMENT SHALL BE REMOVED FROM ALL ESC MEASURES AND DISPOSED OF IN A PRE-APPROVED LOCATION BY THE CONTRACTOR.
13. DUST SHALL BE CONTROLLED BY WATERING OR OTHER APPROVED METHODS AS NECESSARY.

PLANTING NOTES

1. 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.
2. ALL NEW PLANTS TO BE BALLED AND BURLAPPED OR CONTAINER GROWN, UNLESS OTHERWISE NOTED ON THE PLANT LIST.
3. THE CONTRACTOR SHALL SUPPLY ALL NEW PLANT MATERIAL IN QUANTITIES SUFFICIENT TO COMPLETE THE PLANTING SHOWN ON THE DRAWINGS.
4. 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.
5. ALL NEW PLANTS SHALL BE TAGGED AND APPROVED BY THE LANDSCAPE ARCHITECT AT THE NURSERY PRIOR TO DIGGING OR DELIVERY TO THE SITE.
6. CONTRACTOR SHALL LOCATE AND VERIFY ALL EXISTING UTILITY LINES PRIOR TO PLANTING AND SHALL REPORT ANY CONFLICTS TO THE LANDSCAPE ARCHITECT.
7. 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.
8. ALL NEW PLANTS SHALL BE SUPPLIED AND INSTALLED DURING THE PERIODS OF APRIL 1 - JUNE 15 AND/OR SEPTEMBER 1 - NOVEMBER 15 PER SPECIFICATIONS.
9. 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.
10. 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.
11. ALL BURLAP, TWINE AND WIRE SHALL BE COMPLETELY REMOVED OR CUT AWAY AT TIME OF INSTALLATION.
12. PRUNE TREES IN ACCORDANCE WITH THE SPECIFICATIONS.
13. PLANT WARRANTY SHALL BE FOR ONE FULL GROWING SEASON FROM THE TIME OF INSTALL.
14. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ALL DAMAGED, STOLEN, DEAD, DECLINING OR LOST MATERIAL UNTIL COMPLETION OF MAINTENANCE PERIODS OR GUARANTEE PERIODS.
15. 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.
16. 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.
17. ALL AREAS TO BE SEEDED OR SODDED SHALL RECEIVE SIX INCHES (6") OF LOAM, MEASURED AFTER INSTALLATION, PRIOR TO SEEDING.
18. ALL EXISTING LAWN AREAS DESIGNED TO REMAIN SHALL BE AERATED, FERTILIZED AND OVERSEEDED, AS DIRECTED BY THE LANDSCAPE ARCHITECT.
19. IN ADDITION TO LOCATIONS DEFINED FOR SEED ON THE PLANTING PLAN, THE CONTRACTOR SHALL BE RESPONSIBLE FOR SEEDING ANY DISTURBED AREAS.
20. 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.
21. LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING CLOSE COORDINATION WITH OWNER, GENERAL CONTRACTOR, RELATED SUBCONTRACTORS, LANDSCAPE ARCHITECT, AND ALL SITE WORK RELATED ITEMS.

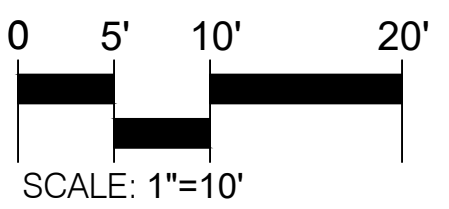
SHEET SCHEDULE

| SHEET # | NAME |
|---------|-------------------------------------|
| L-1 | COVER SHEET |
| L-2 | EXISTING CONDITIONS/DEMOLITION PLAN |
| L-3 | GRADING PLAN |
| L-4 | MATERIALS PLAN |
| L-5 | LAYOUT PLAN |
| L-6 | PLANTING PLAN |
| L-7 | CONSTRUCTION DETAILS 1 |
| L-8 | CONSTRUCTION DETAILS 2 |
| A-001 | VORTEX SITE LAYOUT |
| PE-001 | VORTEX P&E PLAN |

GENERAL LEGEND

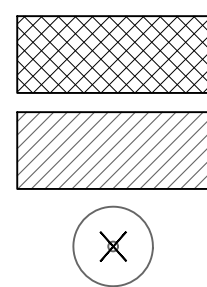
| | | | |
|----------------|---------------------------------|--|--|
| +97.96 | EXISTING GRADE | | PROPOSED BROOM FINISH CONCRETE |
| +97.83 | PROPOSED GRADE | | PROPOSED EXPOSED AGGREGATE CONC |
| ---98--- | EXISTING CONTOUR | | PROPOSED LIFE FLOOR SAFETY TILE |
| —99— | PROPOSED CONTOUR | | PROPOSED RAIN GARDEN SEEDING |
| | EXISTING TREES | | PROPOSED TREES |
| | EXISTING TRASH BARREL | | PROPOSED SHRUBS |
| —E—E— —W—W— | EXISTING ELECTRIC & WATER LINES | | PROPOSED LANDSCAPE BOULDERS |
| —D—D— | EXISTING STORM DRAIN LINE | | PROPOSED 6' IPE BENCH W/ BACK |
| | TREE PROTECTION FENCE | | PROPOSED TRASH RECEPTACLE ON CONC. PAD |
| —LOW— | LIMIT OF WORK | | PROPOSED SPRAY FEATURE |
| | POINT OF BEGINNING | | |
| ℄ --- | CENTER LINE | | |
| | 17' | | |
| + ↺ R5' | RADIAL DIMENSION | | |

| DATE | 01/03/23 | | | | |
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| REVISION | ADDENDUM 1 | | | | |
| NO. | 1 | | | | |



DEMOLITION PLAN LEGEND

- LOW — LOW — LIMIT OF WORK
- ~~~~~ TREE PROTECTION FENCE — (1)
L-3
- ////// SAWCUT



R&D EX. CONCRETE AND GRAVEL BASE

STRIP TURF & TOPSOIL TO 12" DEPTH

EXISTING TREE TO BE REMOVED (BY OTHERS)

DEMOLITION PLAN GENERAL NOTES

- | | | | | | |
|----|---|----|---|----|---|
| 1. | ALL SITE PREPARATION NECESSARY TO COMPLETE THIS PROJECT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. | 4. | THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL DEBRIS FROM THE SITE AND DISPOSING OF THE DEBRIS IN A PROPER AND LEGAL MANNER. | | INCOMPLETELY OR INACCURATELY SHOWN, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ACCURATE RECORDS OF THE LOCATION AND ELEVATION OF ALL WORK INSTALLED AND EXISTING UTILITIES FOUND DURING CONSTRUCTION FOR THE PREPARATION OF THE AS-BUILT PLAN. |
| 2. | IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH PROVIDENCE PARKS DEPARTMENT STAFF TO DEVELOP A SUITABLE DEMOLITION PLAN, WHICH WILL MINIMIZE PARK DISTURBANCE AND ALLOW ALL FACILITIES TO REMAIN IN OPERATION DURING THE ENTIRETY OF CONSTRUCTION. | 5. | THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AND STRUCTURES AS SHOWN ON THESE PLANS ARE BASED ON RECORDS OF VARIOUS UTILITY COMPANIES, AND WHEREVER POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THIS INFORMATION IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE LOCATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR MUST CONTACT THE APPROPRIATE UTILITY COMPANY, ANY GOVERNING PERMITTING AUTHORITY IN THE CITY, AND "DIGSAFE" (1-800-344-7233) AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION WORK IN PREVIOUSLY UNALTERED AREAS TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RESOLVE CONFLICTS BETWEEN THE PROPOSED UTILITIES AND FIELD-LOCATED UTILITIES AND SHALL REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT IMMEDIATELY. THE OWNER ASSUMES NO RESPONSIBILITY FOR DAMAGES INCURRED AS A RESULT OF UTILITIES OMITTED, | 6. | THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL EXISTING UTILITIES IN WORKING ORDER AND FREE FROM DAMAGE DURING THE ENTIRE DURATION OF THE PROJECT. ALL COST RELATED TO THE REPAIR OF UTILITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. EXCAVATION REQUIRED WITHIN THE PROXIMITY OF EXISTING UTILITY LINES SHALL BE DONE BY HAND. CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING UTILITY LINE OR STRUCTURES INCURRED DURING CONSTRUCTION OPERATIONS AT NO COST TO THE OWNER. |
| 3. | UNLESS OTHERWISE NOTED, THE CONTRACTOR IS RESPONSIBLE FOR THE RELOCATION, DEMOLITION, REMOVAL AND DISPOSAL, IN A LOCATION APPROVED BY ALL GOVERNING AUTHORITIES, OF ALL EXISTING SITE ELEMENTS AND STRUCTURES INCLUDING BUT NOT LIMITED TO BITUMINOUS CONCRETE, CEMENT CONCRETE, GRAVEL, CURBS, WALKWAYS, SIDEWALKS, BERMS, FENCES, BOLLARDS, POSTS, PLANTING BEDS, TREES, SHRUBS, UTILITIES, DRAINAGE STRUCTURES AND ALL OTHER STRUCTURES SHOWN WITHIN THE LIMITS, AND WHERE NEEDED, TO ALLOW FOR NEW CONSTRUCTION. ALL ELEMENTS TO BE REMOVED SHALL BE UNDERCUT TO SUITABLE MATERIAL AND BROUGHT TO GRADE WITH SUITABLE COMPACTED FILL MATERIAL PER SPECIFICATIONS. | | | 7. | THE CONTRACTOR SHALL MAINTAIN CONTINUOUS ACCESS AND OPERATION FOR SURROUNDING FACILITIES, AS DEEMED BY THE OWNER, AT ALL TIMES DURING DEMOLITION OF THE EXISTING FACILITIES. |
| | | | | 8. | PRIOR TO DEMOLITION OCCURRING, ALL EROSION CONTROL DEVICES AND TREE PROTECTIVE MEASURES ARE TO BE INSTALLED. |

| | | |
|---|------------|----------|
| 1 | ADDENDUM 1 | 01/03/23 |
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PROVIDENCE
PARKS DEPARTMENT

DALRYMPLE BOATHOUSE
ROGER WILLIAMS PARK
PROVIDENCE, RI 02905

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| DATE | 01/03/23 | | | | |
|----------|------------|--|--|--|--|
| REVISION | ADDENDUM 1 | | | | |
| NO. | 1 | | | | |

GRADING PLAN

SPLASH PAD INSTALLATION AT BUCKLIN PARK

404 DEXTER ST PROVIDENCE, RI

FILE: BUCKLIN-WATER-PLANS.dwg

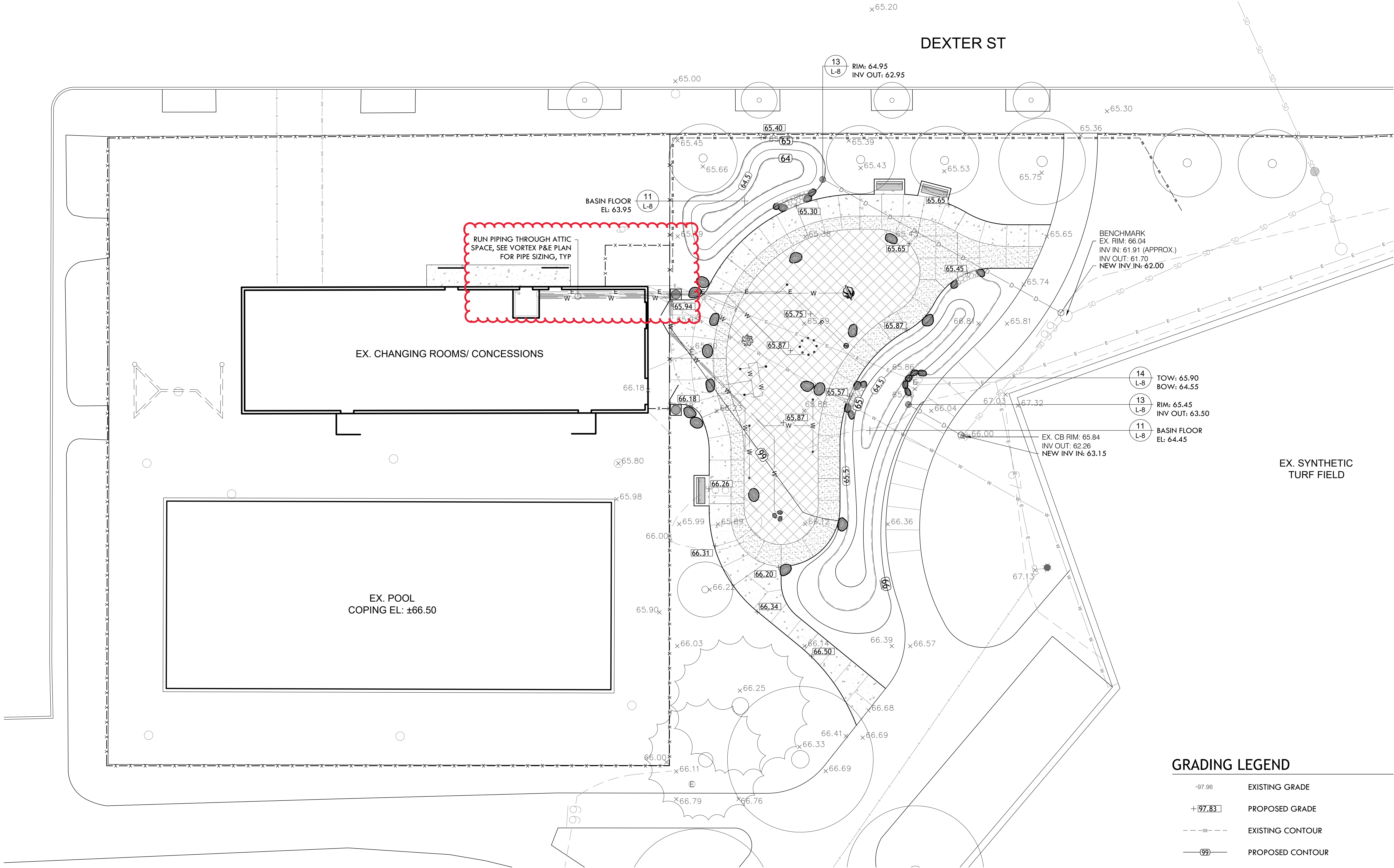
DATE:
DECEMBER 5, 2022

SCALE:
1"=10'

DRAWN BY:
SG SHEET NO.

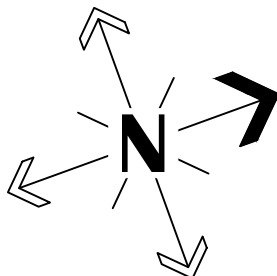
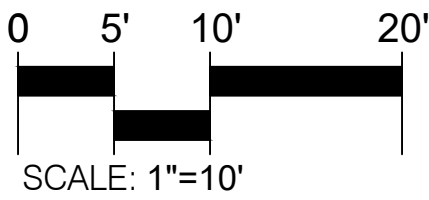
CHECKED/
APPROVED:
MG L-3

3 OF 8



GRADING LEGEND

- 97.96 EXISTING GRADE
- +97.83 PROPOSED GRADE
- 98-- EXISTING CONTOUR
- 99 PROPOSED CONTOUR





PROVIDENCE
PARKS DEPARTMENT

DALRYMPLE BOATHOUSE
ROGER WILLIAMS PARK
PROVIDENCE, RI 02905

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| DATE | REVISION | NO. |
|----------|------------|-----|
| 01/03/23 | ADDENDUM 1 | 1 |
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| | | |

MATERIALS PLAN
SPLASH PAD INSTALLATION AT BUCKLIN PARK
404 DEXTER ST PROVIDENCE, RI

FILE: BUCKLIN-WATER-PLANS.dwg

DATE:
DECEMBER 5, 2022

SCALE:
1"=10'

DRAWN BY:
SG

CHECKED/
APPROVED:
MG

4 OF 8

SHEET NO.
L-4

DEXTER ST

F&I (2) DUMOR 6' IPE BENCHES ON
BROOM FINISH CONCRETE PADS

7
L-7

F&I 24" X ±54" RIVERSTONE
RAIN GARDEN INLET

12
L-8

F&I RAIN GARDEN A:
±2,000 GAL CAPACITY

11
L-8

ADD/ALT #2: F&I 6' H BLACK VINYL
CHAIN LINK FENCE

15
L-8

F&I TRASH RECEPTACLE
ON CONCRETE PAD (TYP)

8
L-7

ADD/ALT #2: F&I 8' W BLACK
VINYL CHAIN LINK DOUBLE GATE

16
L-8

EX. CHANGING ROOMS/ CONCES:

F&I LIFE FLOOR SAFETY
SURFACING (TYP)

6
L-7

ADD/ALT #2: F&I 4' W BLACK
VINYL CHAIN LINK SINGLE GATE

16
L-8

F&I TRASH RECEPTACLE
ON CONCRETE PAD (TYP)

8
L-7

F&I VORTEX SPRAY
FEATURES (10 TOTAL)

6
L-7

EXPANSION
JOINT (TYP)
SCORE
JOINT (TYP)

EX. POOL
COPING EL: ±66.50

EXPANSION
JOINT (TYP)
SCORE
JOINT (TYP)

9
L-7

F&I BOULDERS IN CONCRETE/
LIFE FLOOR TILE (TYP)

12
L-8

F&I 18"x ±60" RIVERSTONE
RAIN GARDEN INLET

14
L-8

F&I SMALL BOULDER RETAINING WALL
TO PROTECT ELECTRIC MANHOLE

12
L-8

F&I 24" x ±60" RIVERSTONE
RAIN GARDEN INLET

11
L-8

F&I RAIN GARDEN B:
±3,000 GAL CAPACITY

5
L-7

F&I EXPOSED AGGREGATE
CONCRETE AROUND SPLASH
ZONE (TYP)

7
L-7

F&I DUMOR 6' IPE BENCH ON
BROOM FINISH CONCRETE PAD

10
L-8

F&I BOULDERS IN LANDSCAPE (TYP)

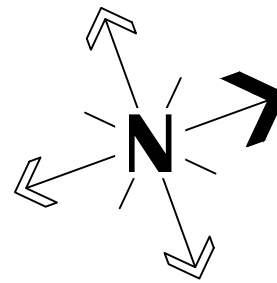
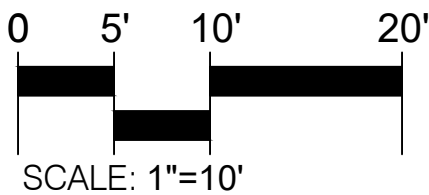
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L-7

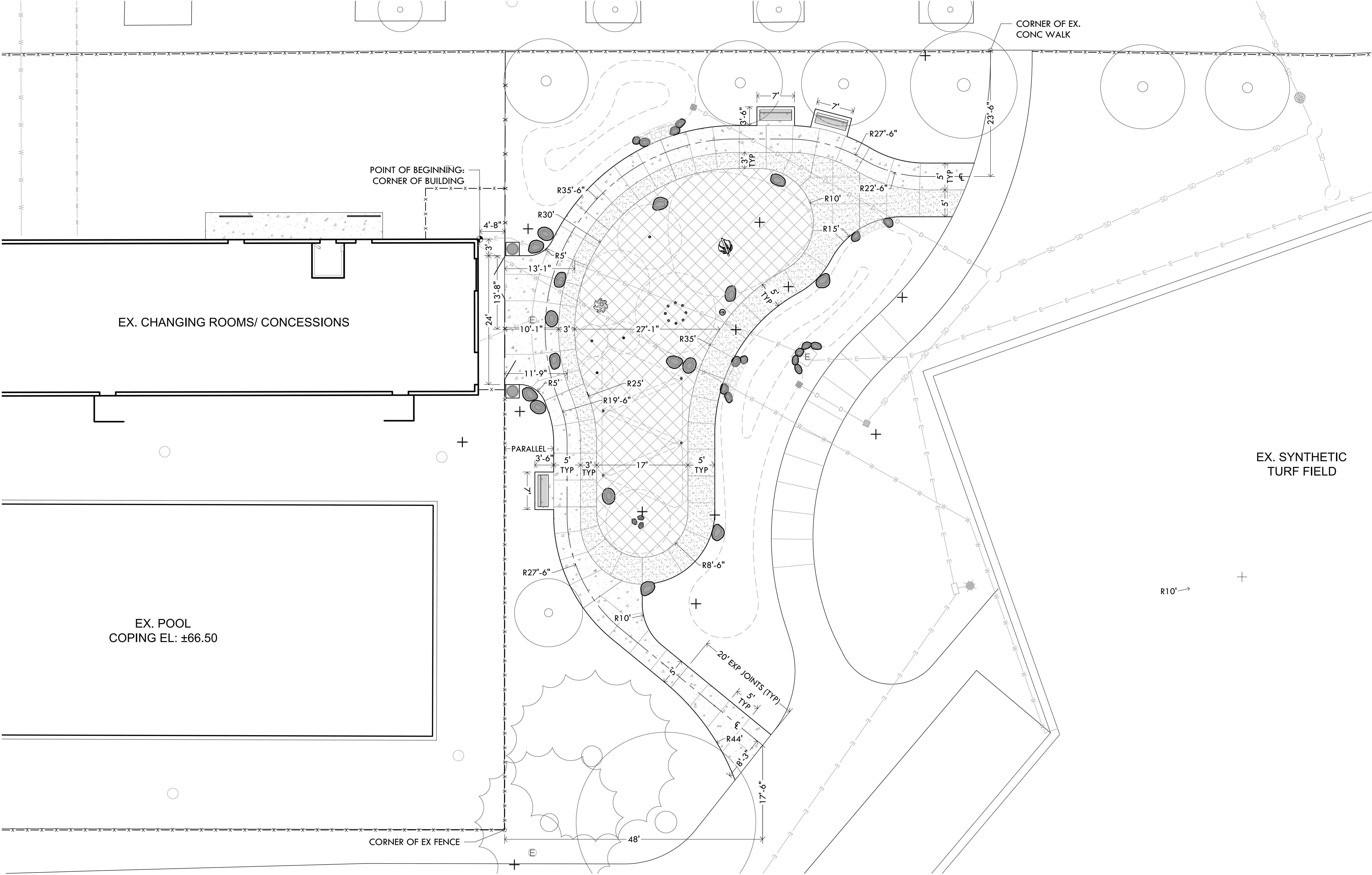
F&I BROOM FINISH CONCRETE
PATH TO CONCESSIONS (TYP)

7
L-7

F&I DUMOR 6' IPE BENCH ON
BROOM FINISH CONCRETE PAD

EX. SYNTHETIC
TURF FIELD





LAYOUT NOTES

1. ALL LINES AND DIMENSIONS ARE PARALLEL OR PERPENDICULAR TO THE LINES FROM WHICH THEY ARE MEASURED UNLESS OTHERWISE INDICATED.
2. 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.
3. 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.
4. ALL LAYOUTS FOR WALKS AND PATHS SHALL BE ADEQUATELY STAKED BY THE CONTRACTOR AND APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION.
5. ALL SITE FURNISHINGS, BOULDERS, & SPLASH PAD FEATURES PLACEMENT TO BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.

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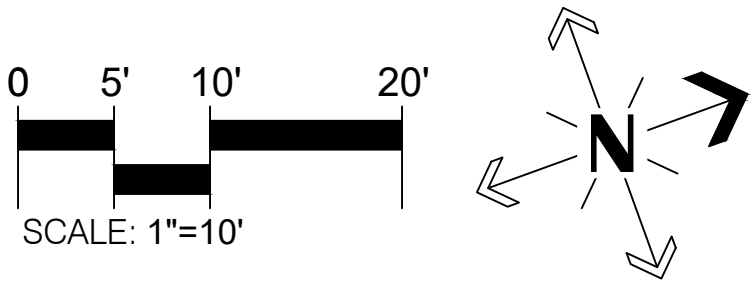
| DATE | REVISION | NO. |
|----------|------------|-----|
| 01/03/23 | ADDENDUM 1 | 1 |
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| | | |

LAYOUT PLAN
SPLASH PAD INSTALLATION AT BUCKLIN PARK
404 DEXTER ST PROVIDENCE, RI
FILE: BUCKLIN-WATER-PLANS.dwg

DATE:
DECEMBER 5, 2022

SCALE:
1"=10'

| | |
|-----------------------------|------------------|
| DRAWN BY: SG | SHEET NO. L-5 |
| CHECKED/ APPROVED: MG | 5 OF 8 |





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PROVIDENCE, RI 02905

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| NO. | REVISION | DATE |
|-----|------------|----------|
| 1 | ADDENDUM 1 | 01/03/23 |
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PLANTING PLAN

SPLASH PAD INSTALLATION AT BUCKLIN PARK

404 DEXTER ST PROVIDENCE, RI

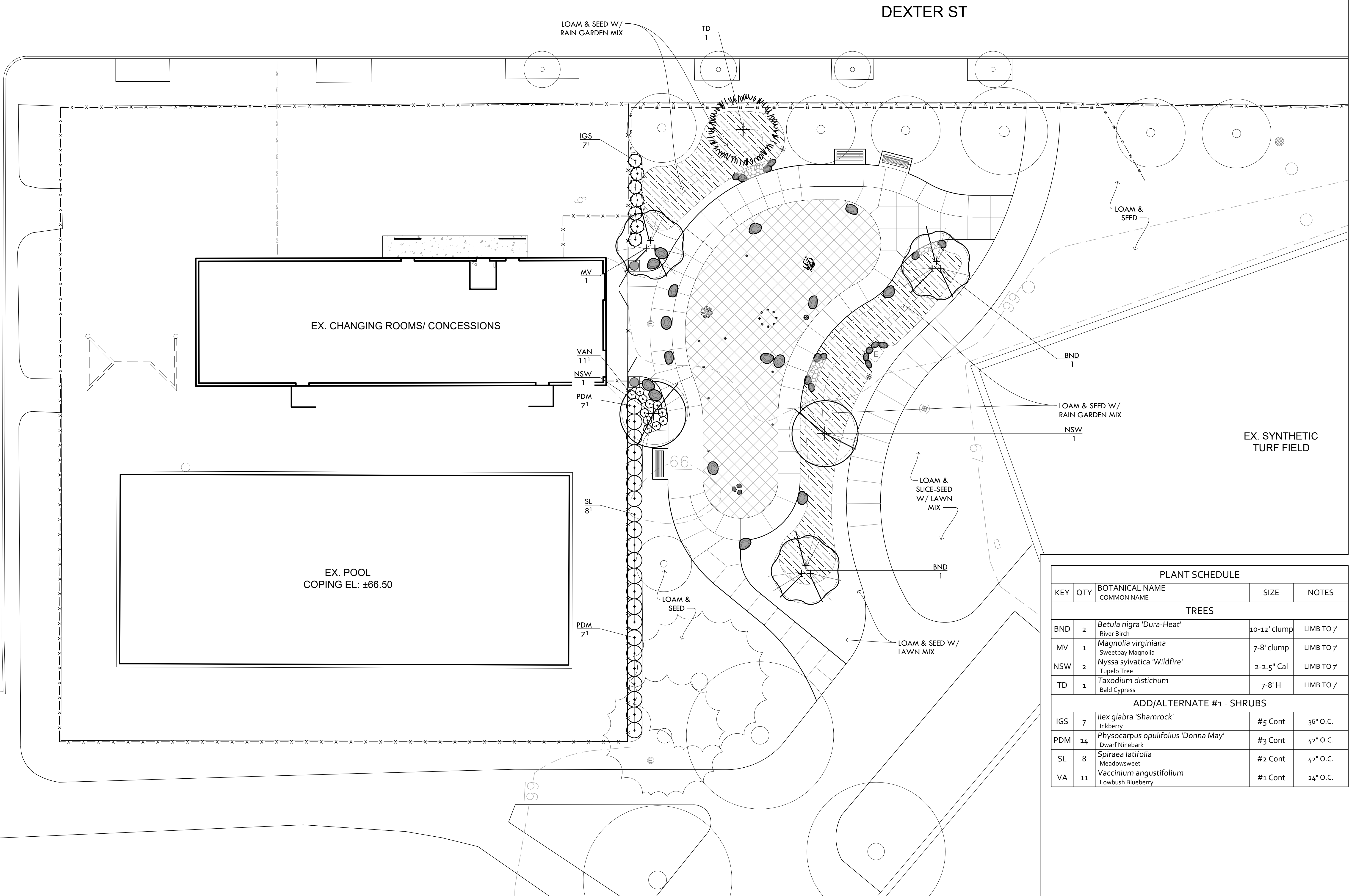
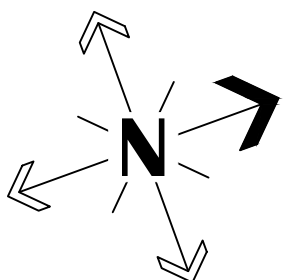
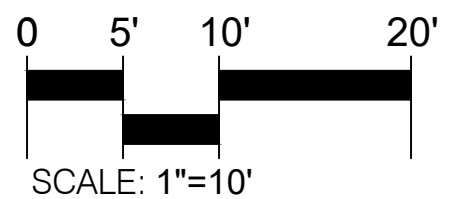
FILE: BUCKLIN-WATER-PLANS.dwg

DATE: DECEMBER 5, 2022

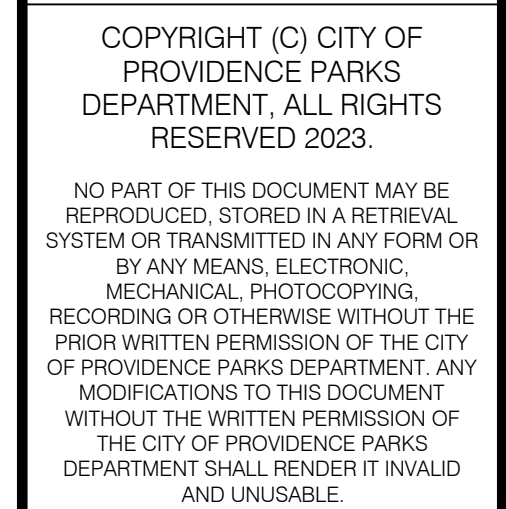
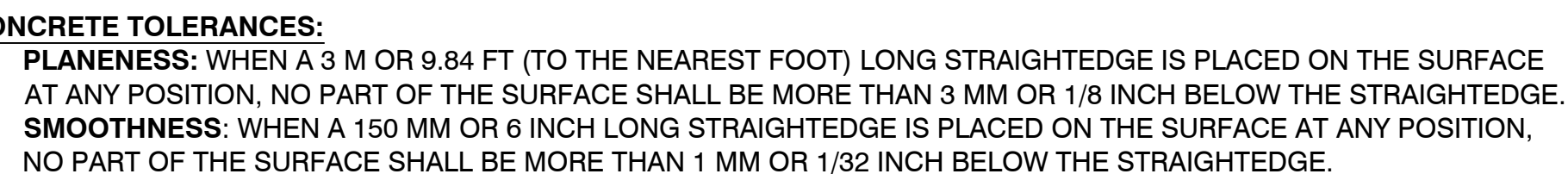
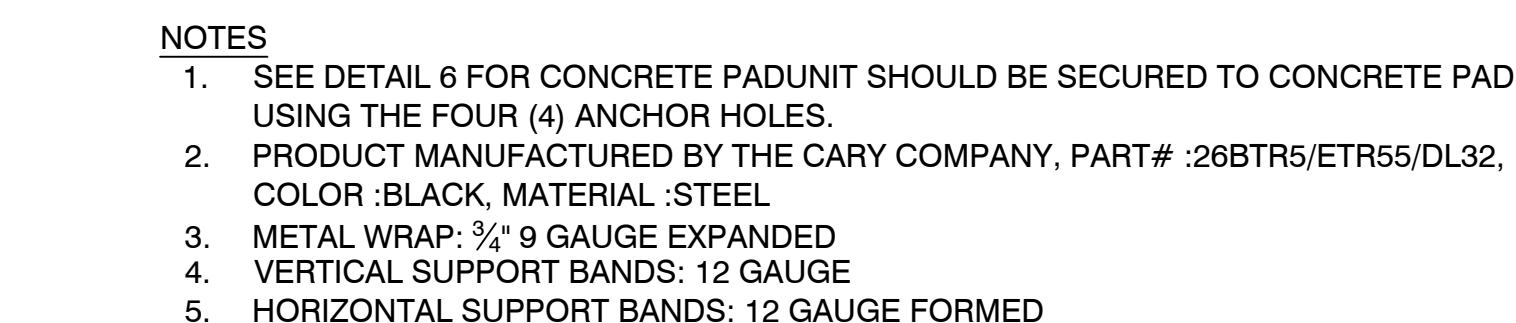
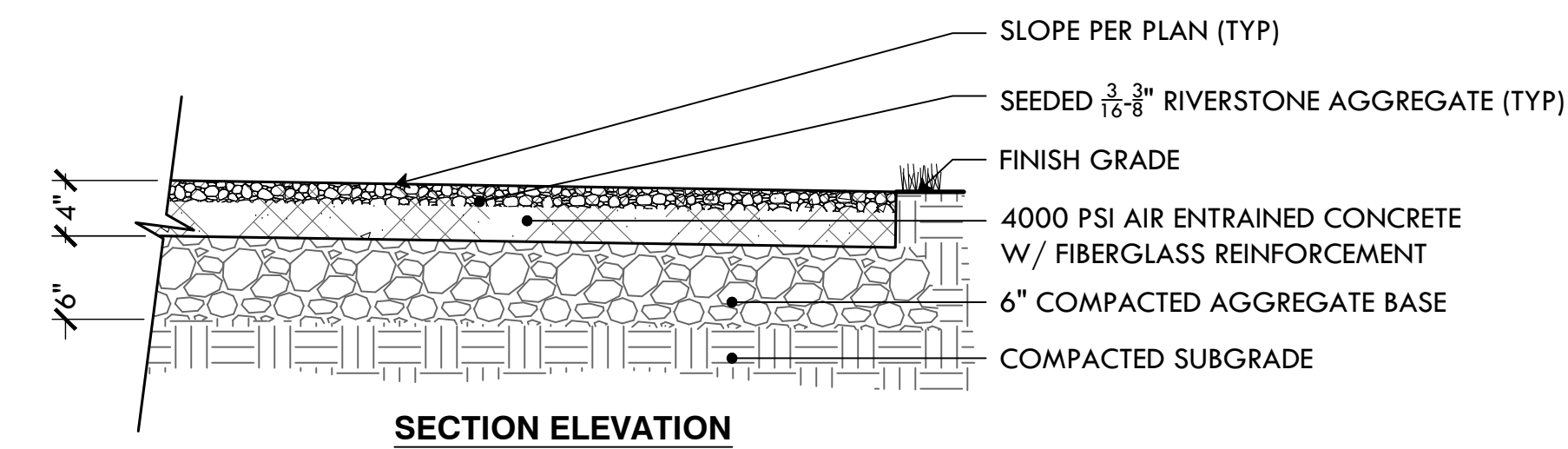
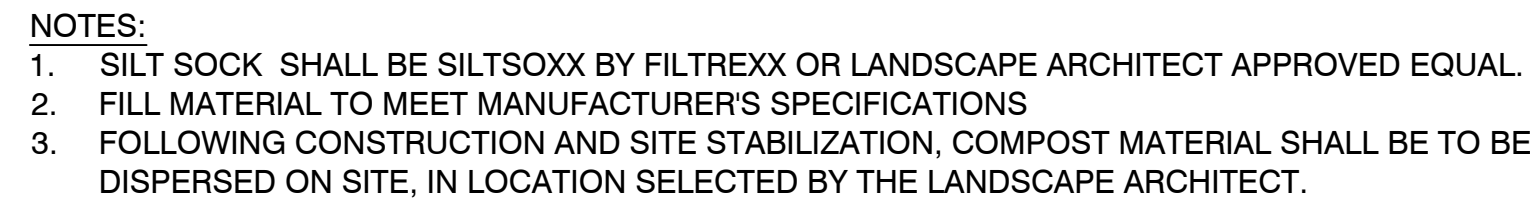
SCALE: 1"=10'

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|-----------------|-----------|
| DRAWN BY: SG | SHEET NO. |
|-----------------|-----------|

CHECKED/
APPROVED:
MG



| PLANT SCHEDULE | | | | |
|---------------------------|-----|--|--------------|------------|
| KEY | QTY | BOTANICAL NAME COMMON NAME | SIZE | NOTES |
| TREES | | | | |
| BND | 2 | <i>Betula nigra</i> 'Dura-Heat' River Birch | 10-12' clump | LIMB TO 7' |
| MV | 1 | <i>Magnolia virginiana</i> Sweetbay Magnolia | 7-8' clump | LIMB TO 7' |
| NSW | 2 | <i>Nyssa sylvatica</i> 'Wildfire' Tupelo Tree | 2-2.5" Cal | LIMB TO 7' |
| TD | 1 | <i>Taxodium distichum</i> Bald Cypress | 7-8' H | LIMB TO 7' |
| ADD/ALTERNATE #1 - SHRUBS | | | | |
| IGS | 7 | <i>Ilex glabra</i> 'Shamrock' Inkberry | #5 Cont | 36" O.C. |
| PDM | 14 | <i>Physocarpus opulifolius</i> 'Donna May' Dwarf Ninebark | #3 Cont | 42" O.C. |
| SL | 8 | <i>Spiraea latifolia</i> Meadowsweet | #2 Cont | 42" O.C. |
| VA | 11 | <i>Vaccinium angustifolium</i> Lowbush Blueberry | #1 Cont | 24" O.C. |



| NO. | REVISION | DATE |
|-----|------------|----------|
| 1 | ADDENDUM 1 | 01/03/23 |
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CONSTRUCTION DETAILS 1

SPLASH PAD INSTALLATION AT BUCKLIN PARK

404 DEXTER STREET PROVIDENCE, RI

| | |
|--|-----------------------------|
| DATE: <div>DECEMBER 5, 2022</div> | |
| SCALE: <div>NTS</div> | |
| DRAWN BY: <div>SG</div> | SHEET NO. <div>L-7</div> |
| CHECKED/ APPROVED: <div>MG</div> | <div>7 2 8</div> |

| DATE | 01/03/23 | | | | |
|----------|-------------|--|--|--|--|
| REVISION | ADDDENDUM 1 | | | | |
| NO. | 1 | | | | |

CONSTRUCTION DETAILS 2
SPLASH PAD INSTALLATION AT BUCKLIN PARK
404 DEXTER ST PROVIDENCE, RI

FILE:BUCKLIN-WATER-PLANS.dwg

DATE:
DECEMBER 5, 2022

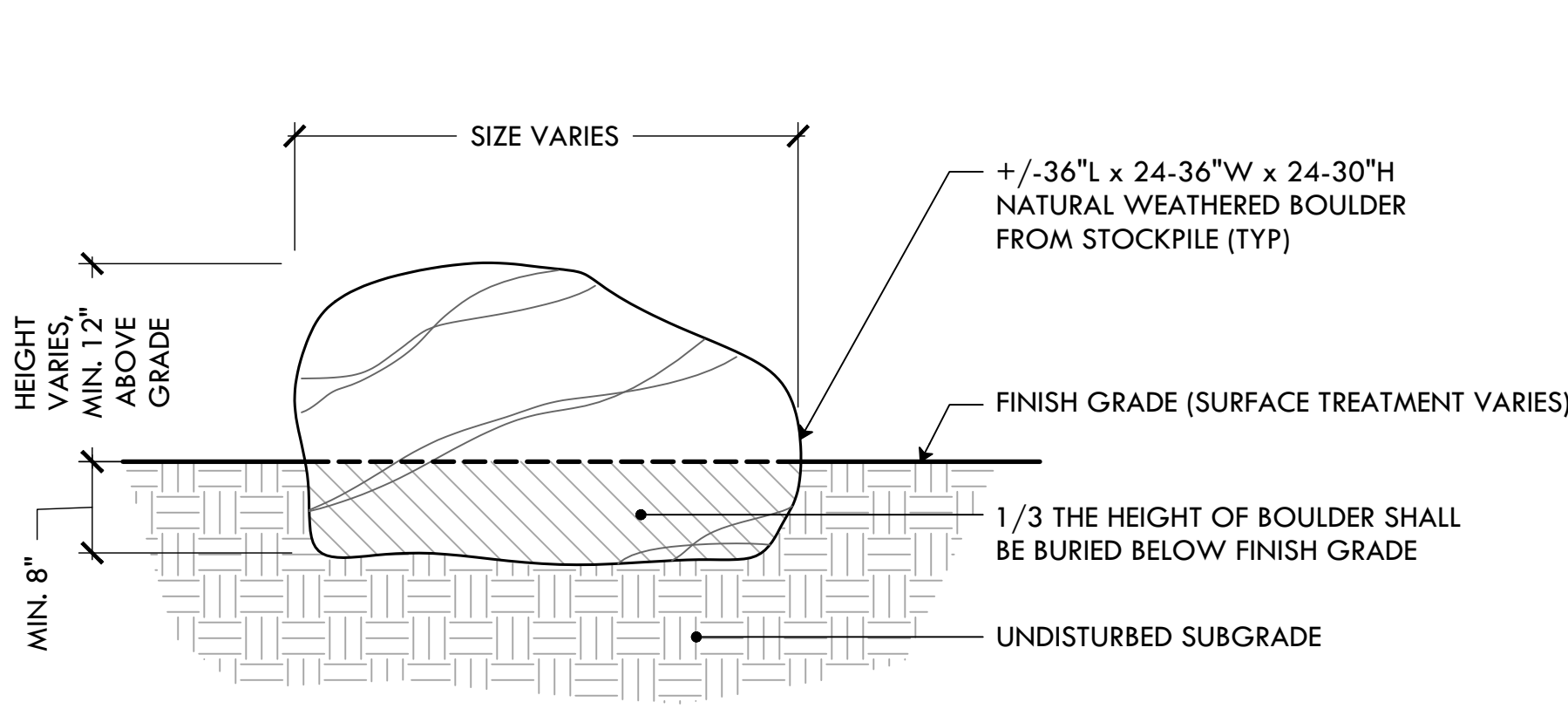
SCALE:
NTS

DRAWN BY:
SG

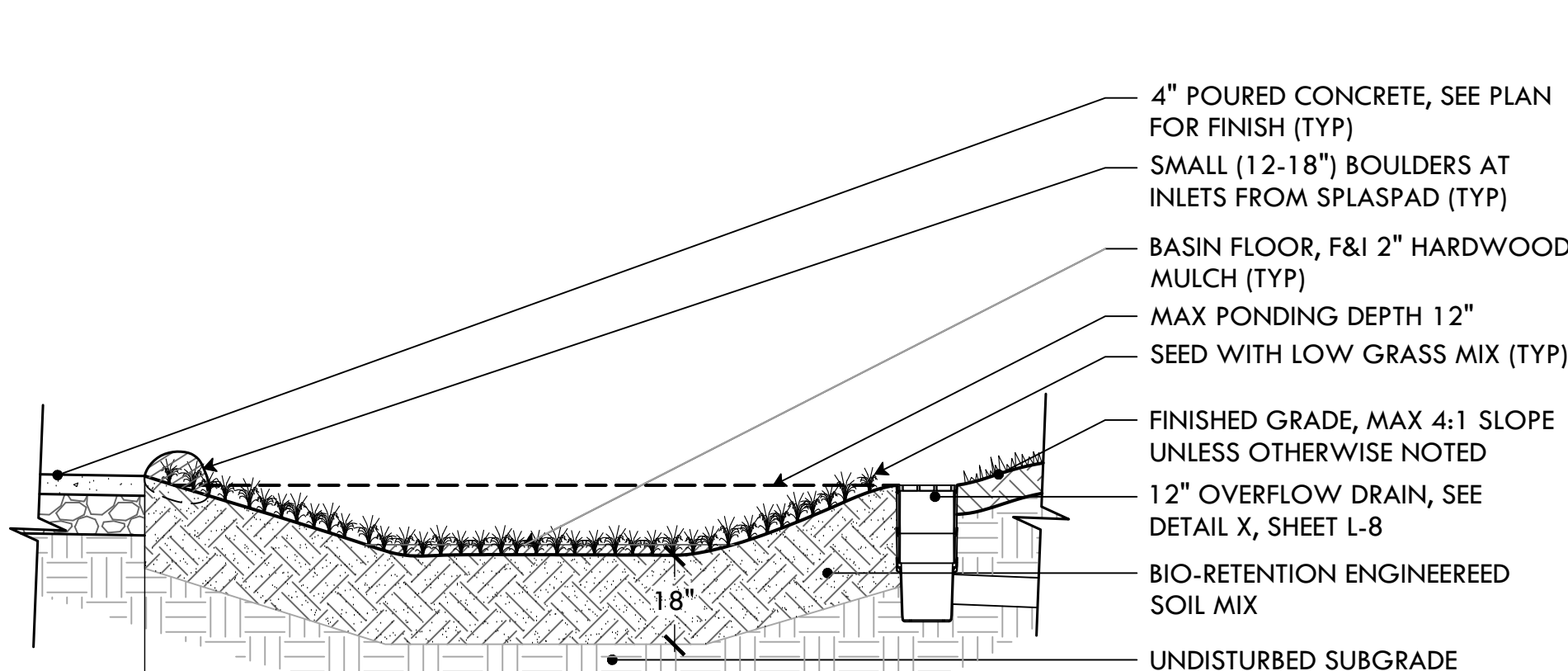
CHECKED/
APPROVED:
MG

SHEET NO.
L-8

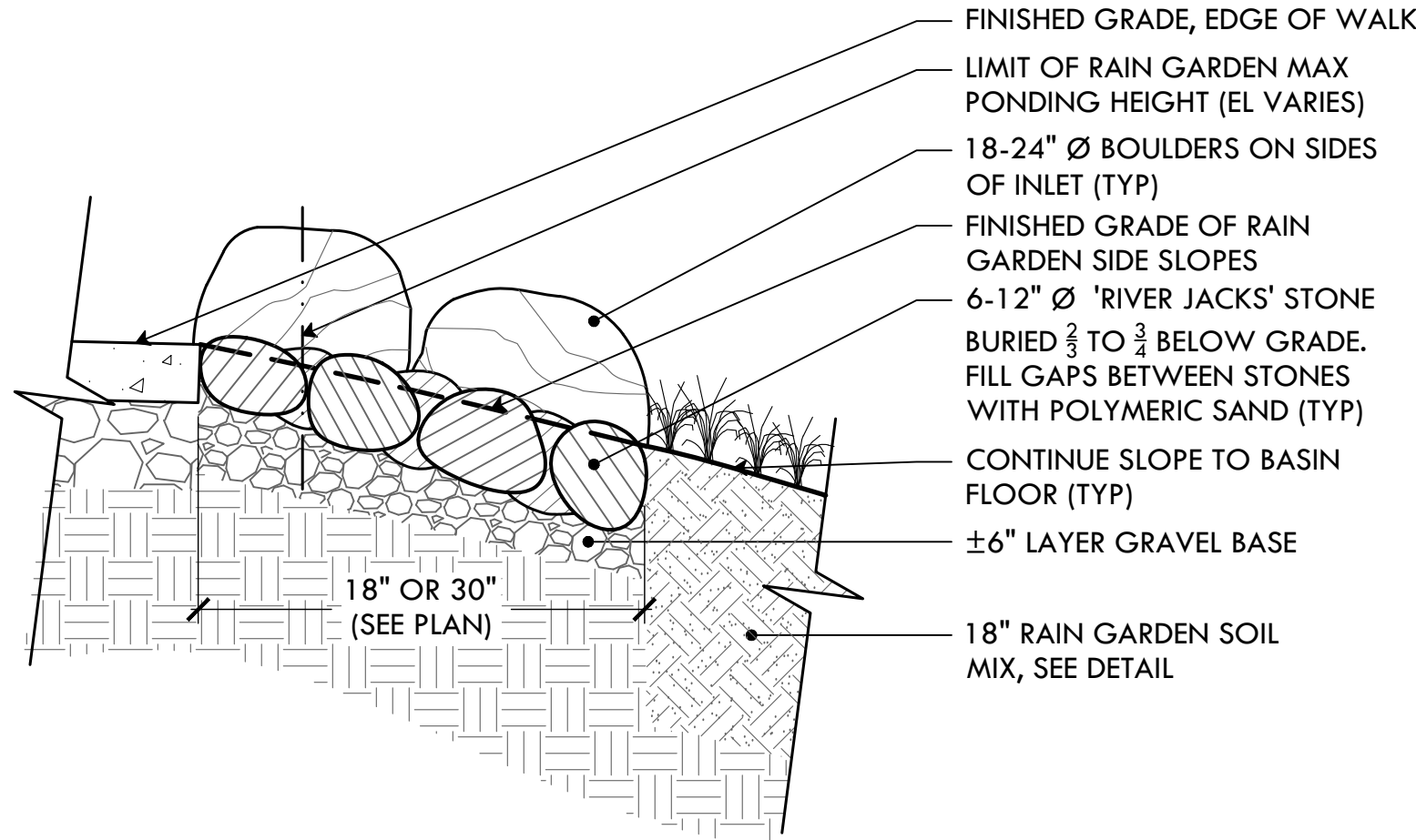
8 OF 8



BOULDER QUANTITY:
9 (EXCLUDING BOULDERS IN
WALLS OR SET IN CONCRETE)



NOTES:
1. BIORETENTION SOIL MIX TO CONSIST OF 65% LOAMY SAND BLENDED WITH 35% SCREENED, HIGH QUALITY COMPOST.
2. MULCH TO BE CLEAN WOOD CHIPS ABLE TO PASS THROUGH A 1" SEIVE.

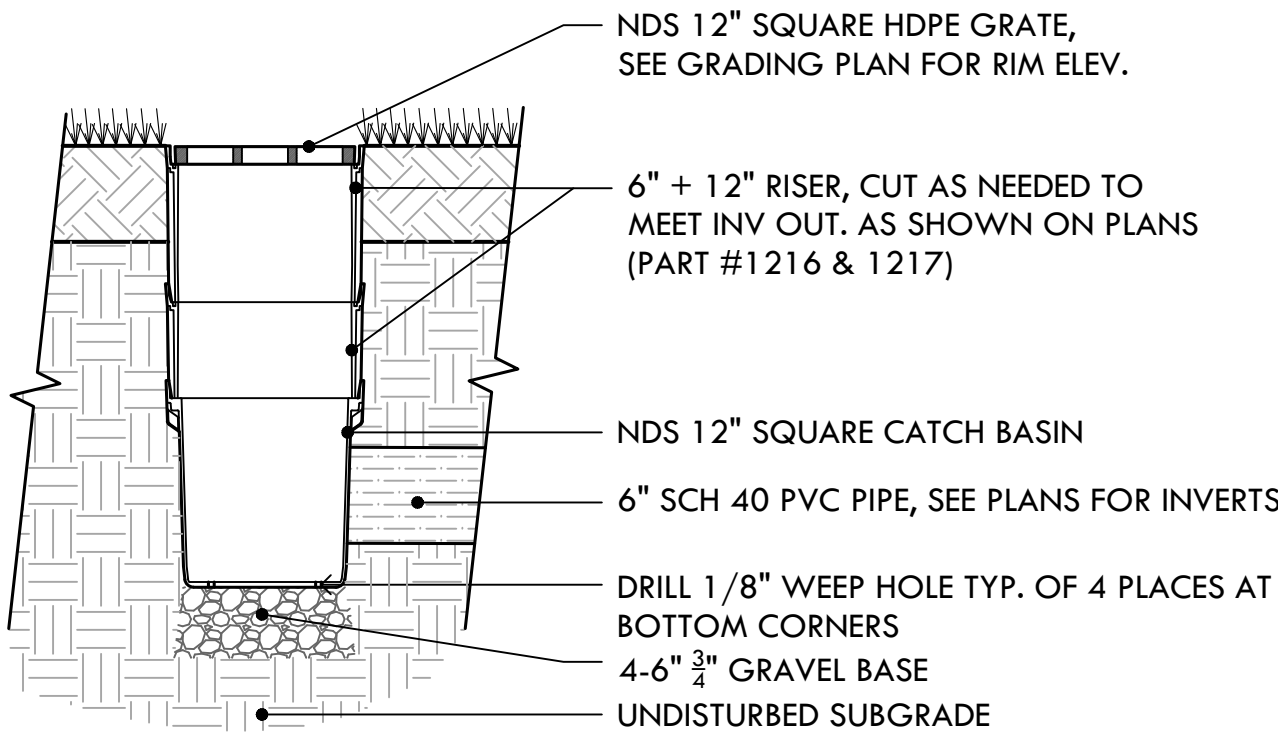


SIDE SECTION ELEVATION

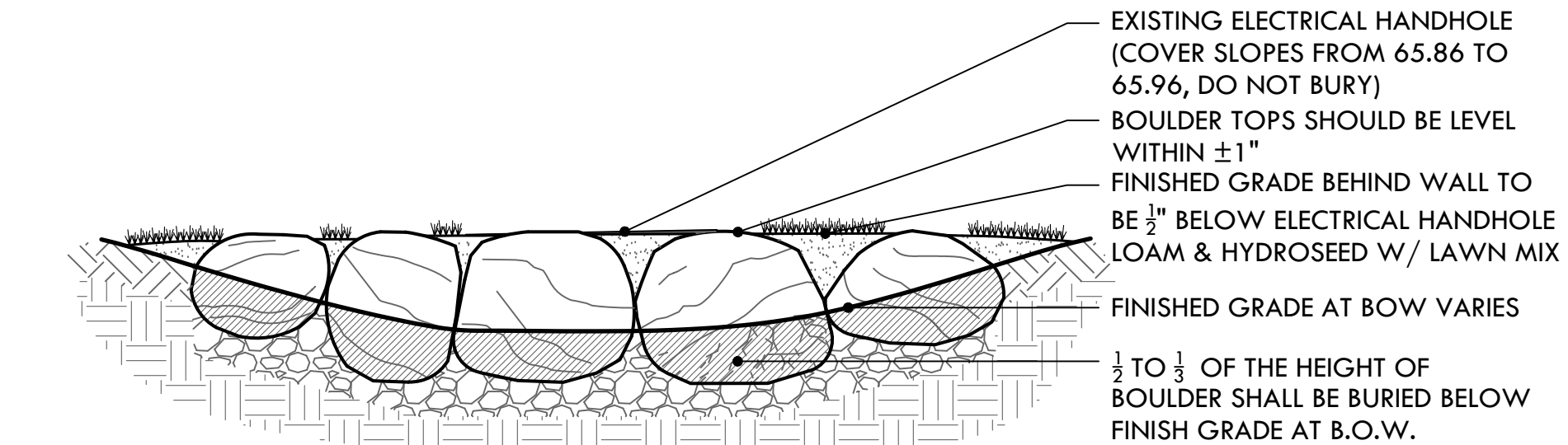
10 LANDSCAPE BOULDER IN EARTH
NTS

11 12" DEEP RAIN GARDEN
NTS

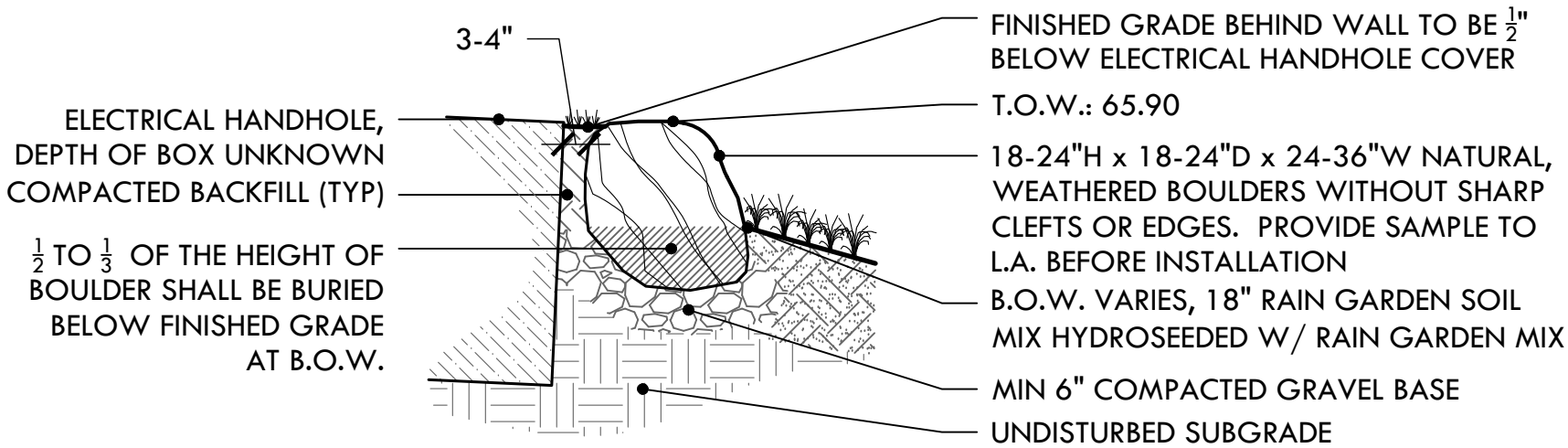
12 RIVERSTONE RAIN GARDEN INLET
NTS



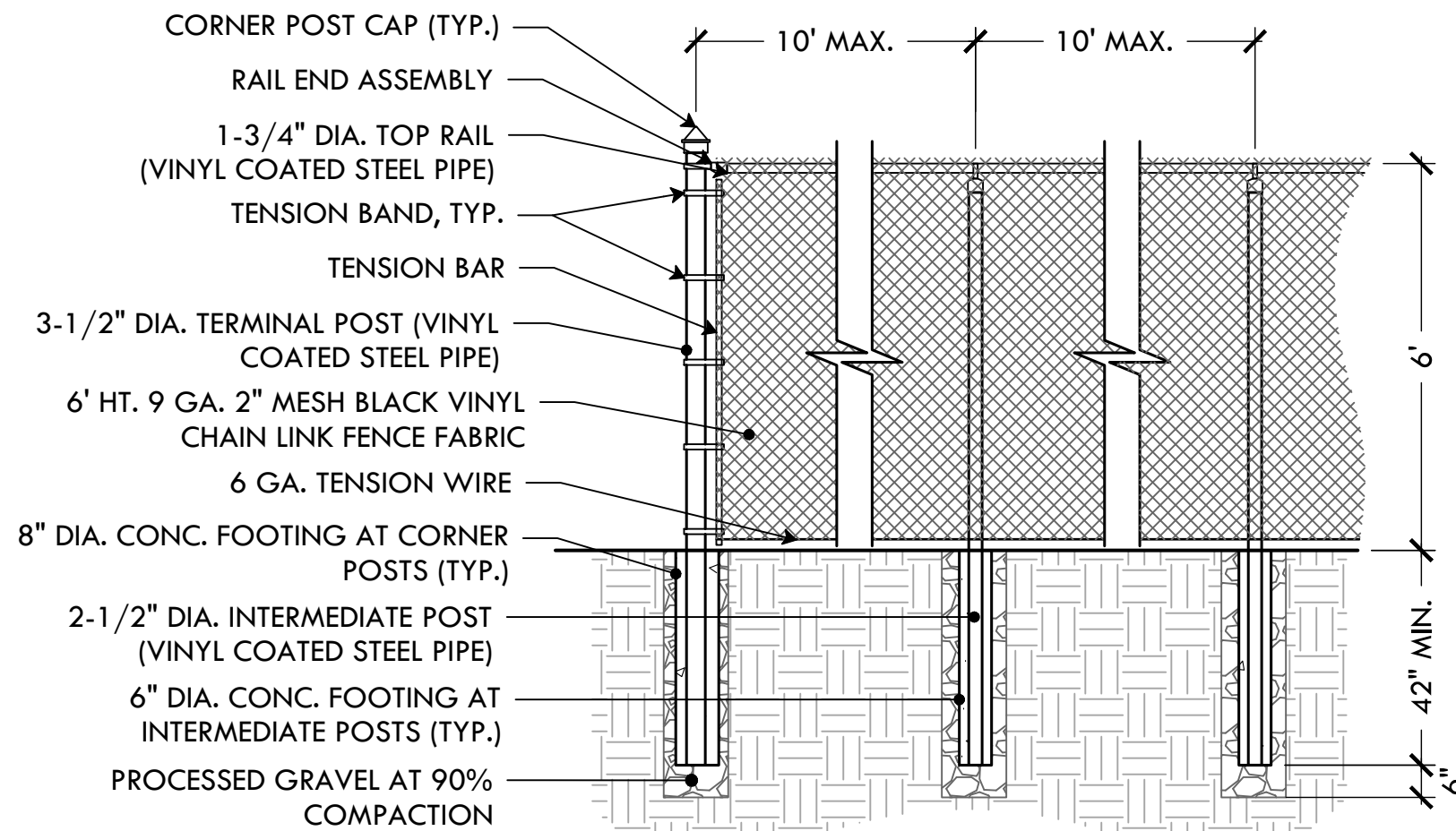
MANUFACTURER NOTES:
1. GRATE TO BE ATTACHED TO CATCH BASIN WITH SCREW PROVIDED AT TIME OF INSTALLATION.
2. RISER CAN BE CUT TO ACHIEVE EXACT ELEVATION.
3. EXISTING SOILS SHOULD BE EVALUATED TO ENSURE PROPER STRUCTURAL, AND PERMEABILITY PROPERTIES.
4. FOR PRODUCT ASSISTANCE, CONTACT NDS TECHNICAL SERVICE AT TECHSERVICE@NDSPRO.COM.



ELEVATION



SECTION

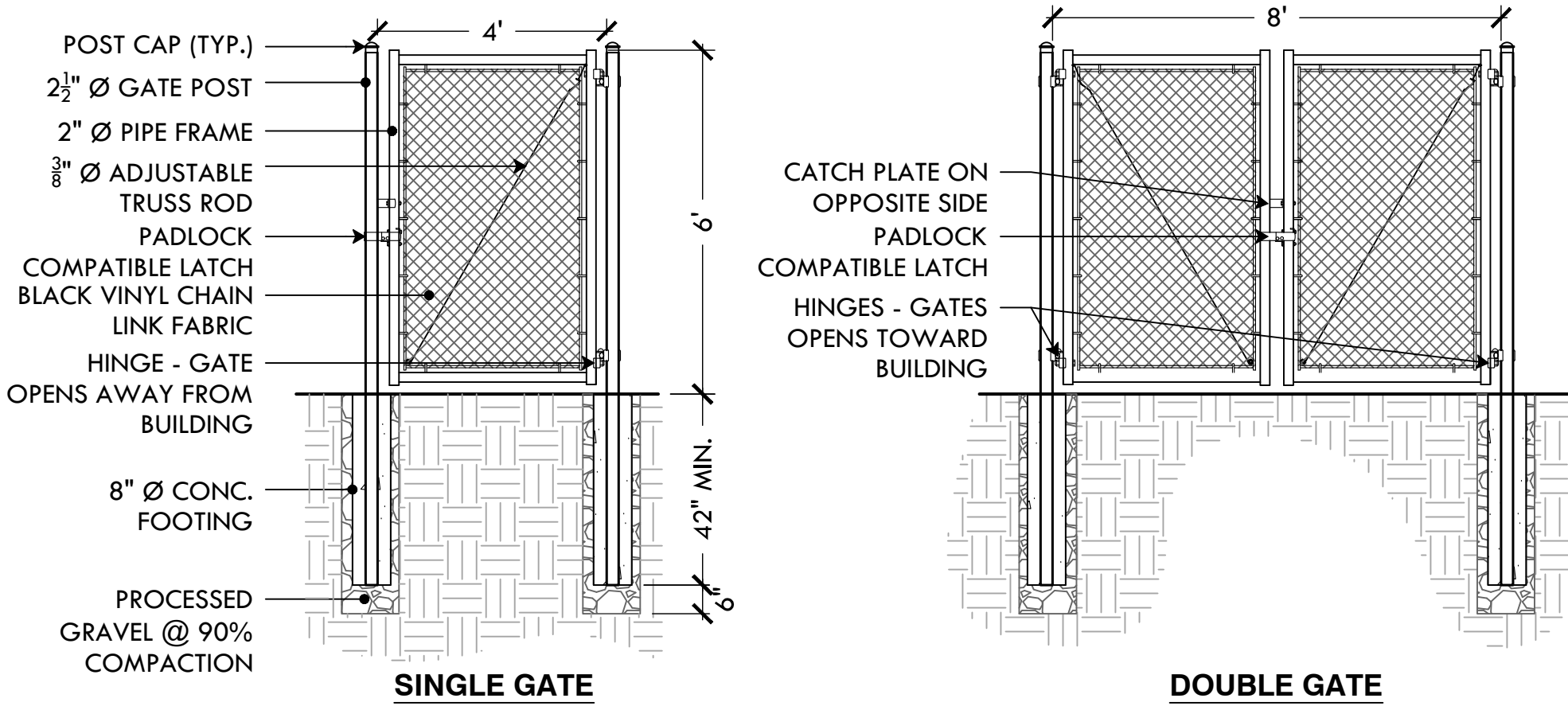


NOTES:
1. FENCING TO BE TIED TO TOP RAILS & LINE POSTS W/ 9GA. WIRE SPACED AT 12"
2. BRACE ALL CORNERS & TERMINAL POSTS W/ 1-3/4" DIA. BLACK VINYL COATED STEEL PIPE AND APPROPRIATE FASTENERS
3. ALL FENCE ELEMENTS SHALL BE OF BLACK VINYL COATED STEEL CONSTRUCTION

13 12" OVERFLOW CATCH BASIN
NTS

14 LOW BOULDER RETAINING WALL
NTS

15 ADD/ALT #2: 6' H BLACK VINYL CHAIN LINK FENCE
NTS

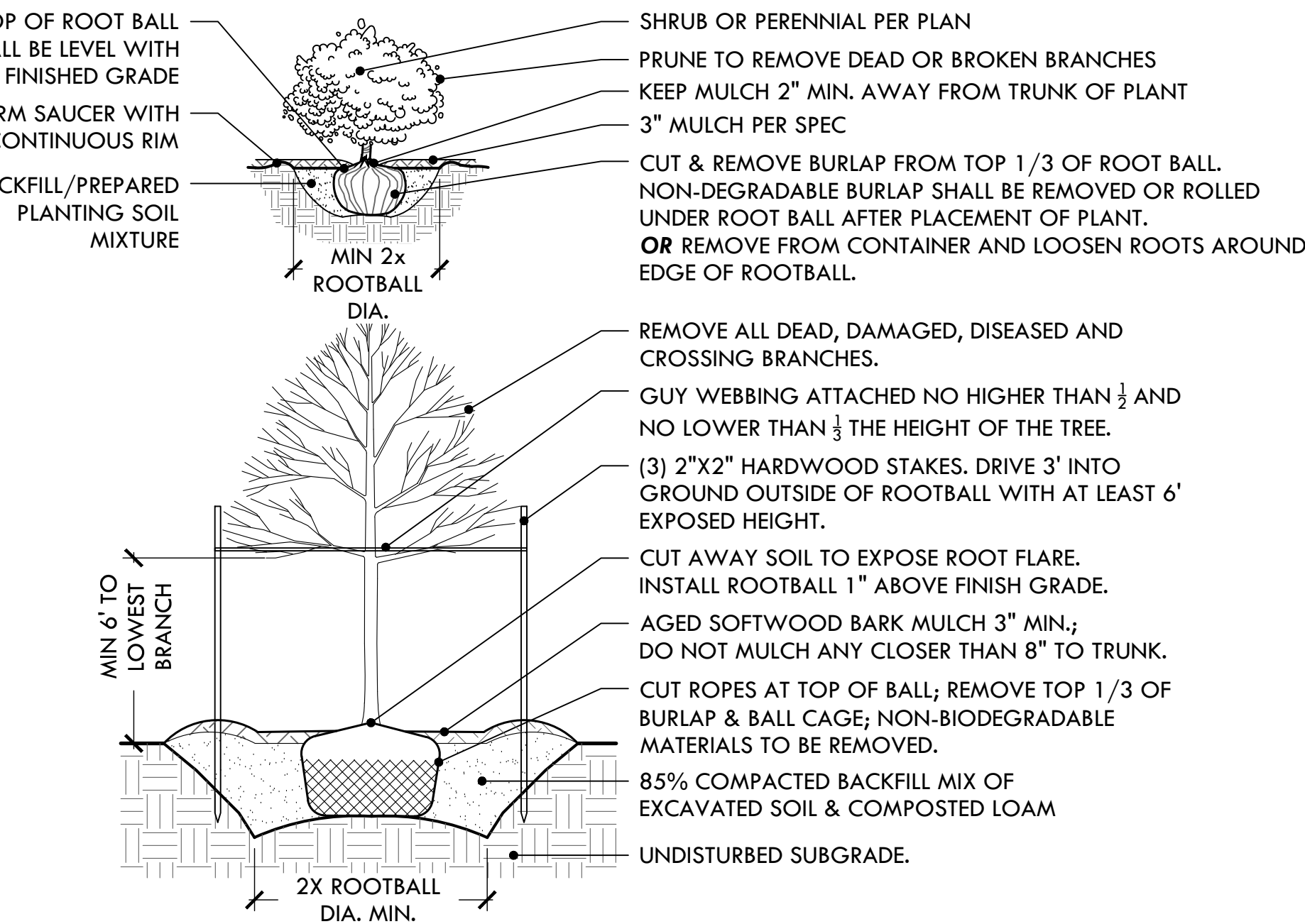


SINGLE GATE

DOUBLE GATE

NOTES:
1. FENCING TO BE TIED TO TOP RAILS & LINE POSTS W/ 9GA. WIRE SPACED AT 12"
2. BRACE ALL CORNERS & TERMINAL POSTS W/ 1-3/4" DIA. BLACK VINYL COATED STEEL PIPE AND APPROPRIATE FASTENERS
3. ALL FENCE ELEMENTS SHALL BE OF BLACK VINYL COATED STEEL CONSTRUCTION

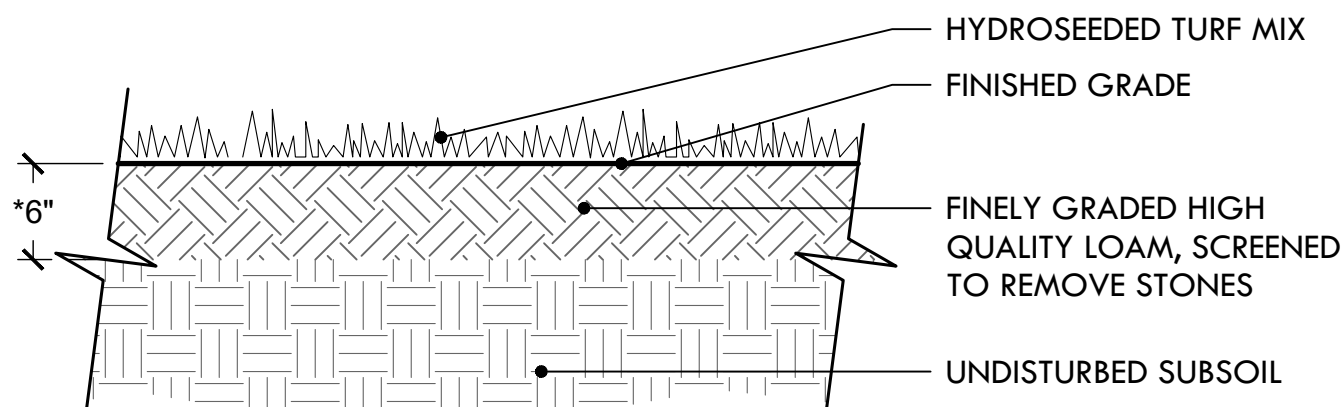
16 ADD/ALT #2: 6' H BLACK VINYL CHAIN LINK GATES
NTS



17 DECIDUOUS TREE PLANTING
NTS

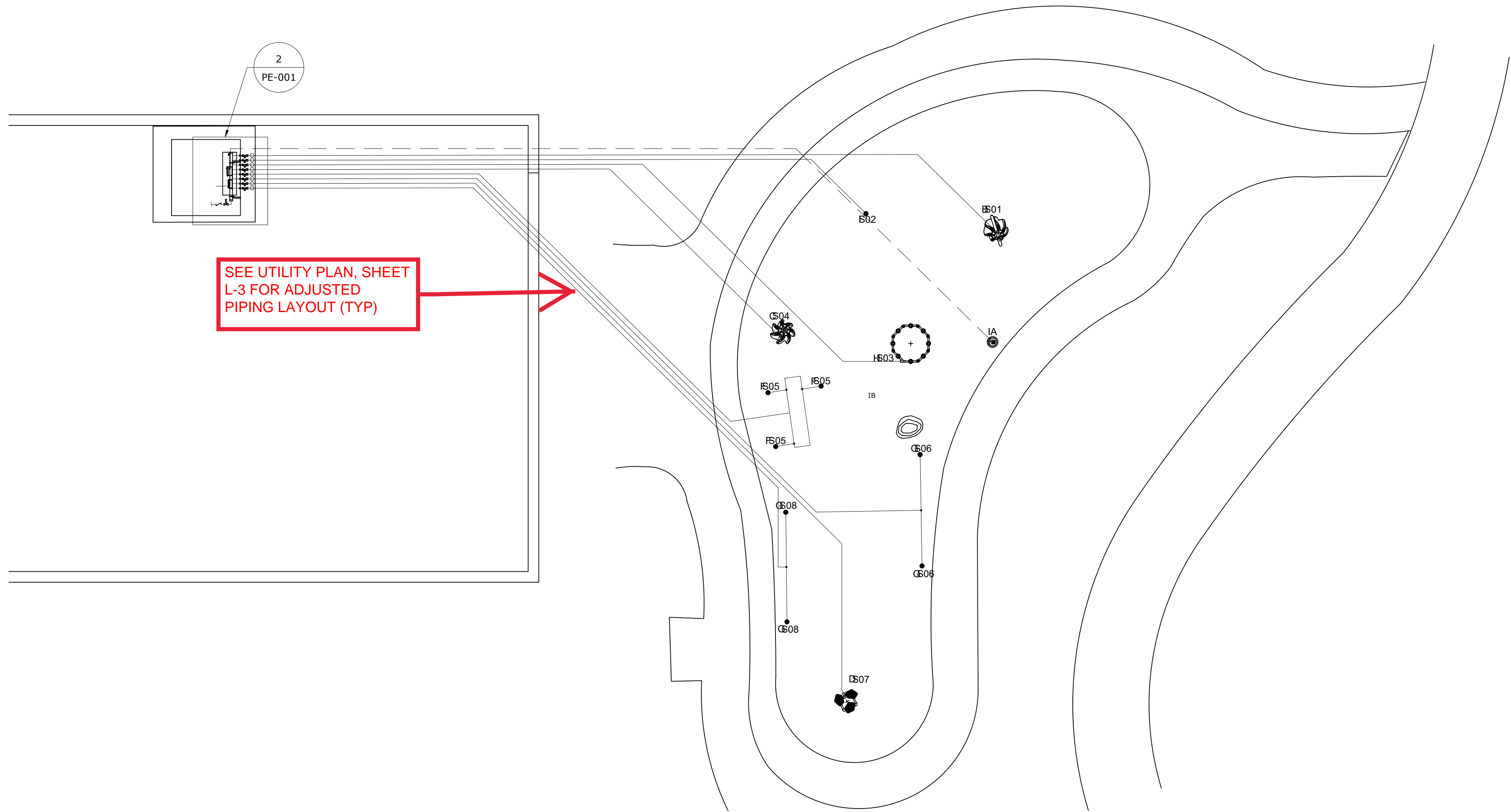
| LAWN SEED MIX | |
|---------------|---------------------------------|
| 30% | IMPROVED PERENNIAL RYE |
| 30% | TURF TYPE TALL FESCUE |
| 35% | CHEWINGS FESCUE |
| 5% | MINIATURE OR DUTCH WHITE CLOVER |

| RAIN GARDEN SEED MIX | |
|----------------------|----------------------------------|
| 20% | PANICUM CLANDESTINUM |
| 20% | PUCCINELLIA DISTANS |
| 18% | ELYMUS VIRGINICUS |
| 15% | AGROSTIS STOLINIFERA 'PENNCROSS' |
| 15% | POA PALUSTRIS |
| 10% | CAREX VULPINOIDEA |
| 1% | CAREX SCOPARIA |
| 1% | JUNCUS EFFUSUS |



NOTES:
1. USE A PROCESSED WOOD FIBER MULCH OR WOOD/PAPER BLEND
2. ADD DOLOMITIC LIME AND 18-0-12 STARTER FERTILIZER TO LOAM PRIOR TO HYDROSEEDING
3. *DEPTH OF LOAM MAY BE LESS THAN 6" IN AREAS OF TRANSITION (FEATHERING) TO EXISTING LAWN AND FOR REPAIR TO DISTURBED AREAS.
4. DISTURBED AREAS TO BE AERATED, TOP-DRESSED W/ LOAM & SLICE-SEEDED.

18 LOAM & HYDROSEED
NTS



1 SITE LAYOUT
A-001



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3500 South Dupont Highway,
Suite EP-101, Dover, Delaware
United States 19901
Phone: +1 (877) 586-7839

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Bucklin Park

| | | | |
|------------------|----------------------|-------------|----|
| Project Location | | | |
| RI | | | |
| Project Number | | | |
| 38219 | | | |
| Version | | | |
| VC | | | |
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| 22/Dec/2022 | Issued for Approval | 00 | OD |
| Date | Revision Description | No. | By |
| Drawing Title | | | |
| Site Layout | | | |
| Drawn by | | Verified by | |
| OD | | MAB | |
| Scale | | Date | |
| 1/8"= 1'-0" | | 22/Dec/2022 | |
| Page # | | | |
| A-001 | | | |

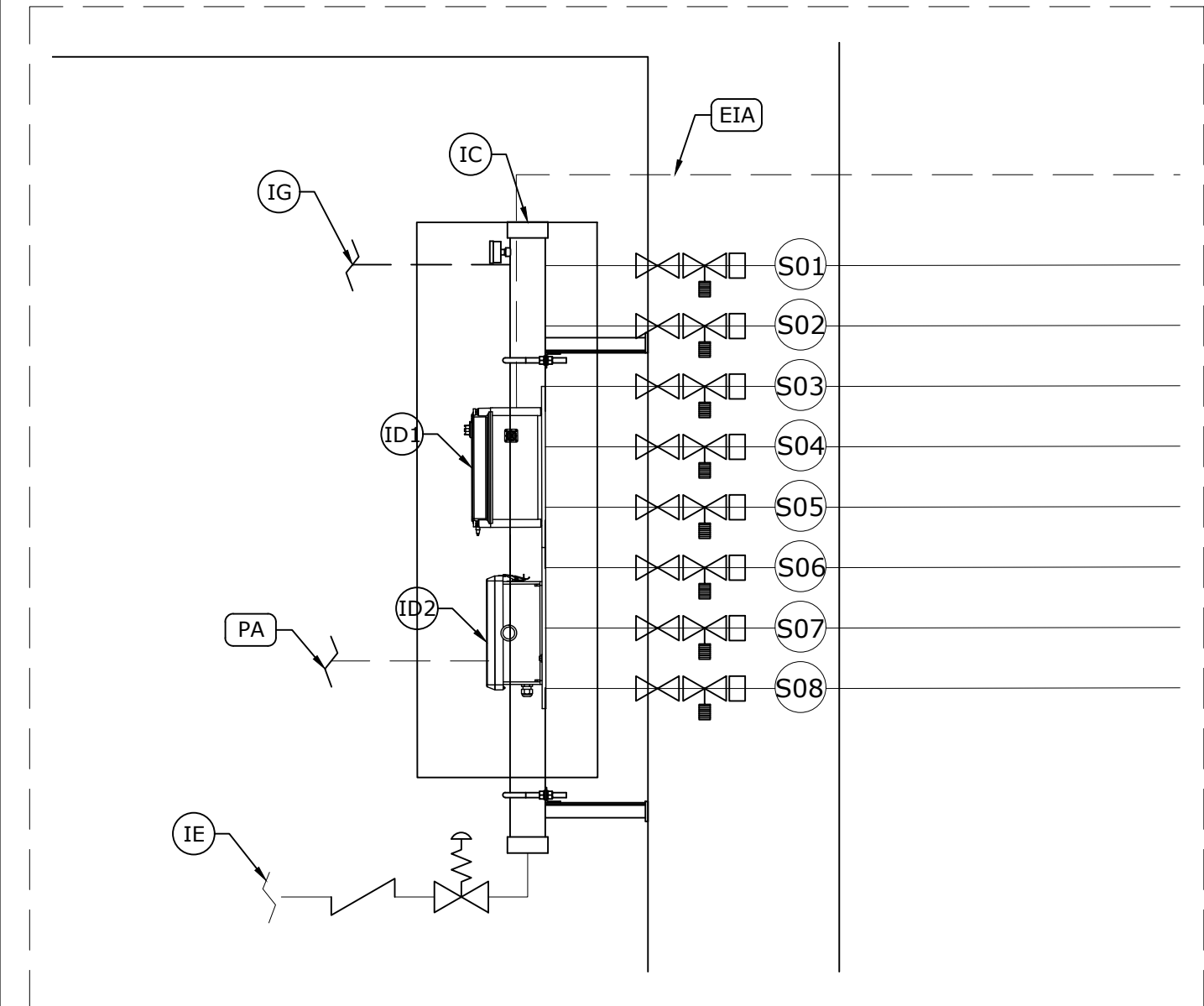
| | |
|---|--------|
| 1 | PIPING |
|---|--------|

- 1.1 WDS CONFIGURATION ARE SCHEMATIC AND MAY BE MOVED OR ADJUSTED ON SITE BY VORTEX CERTIFIED INSTALLER TO ADJUST FOR SITE CONDITIONS
- 1.2 ANY REQUIRED WATER METER ON THE CITY WATER MAIN SHALL BE PROVIDED BY INSTALLER. PRESSURE REGULATOR AND BACKFLOW PREVENTER WILL BE PROVIDED BY VORTEX
- 1.3 ALL PIPE LINES TO FEATURES TO HAVE A 1% MINIMUM RECOMMENDED SLOPE FOR PROPER WINTERIZATION.
- 1.4 ALL LINE SIZING (FEATURE CONNECTION TABLE) ASSUMES A MAXIMUM DISTANCE OF 100 FEET BETWEEN THE WATER DISTRIBUTION MANIFOLD AND THE FURTHEST PLAY PRODUCT. DISTANCES ABOVE 100 FEET MAY REQUIRE AN INCREASE IN LINE SIZING. PLEASE CONTACT VORTEX.
- 1.5 QUANTITY AND LOCATION OF DRAINS BASED ON MAXIMUM FLOW FOR THE INDICATED PIPE DIAMETER AT 1% SLOPE. MODIFICATIONS MAY BE REQUIRED DUE TO SPECIFIC SITE CONDITIONS AND LOCAL CODE.

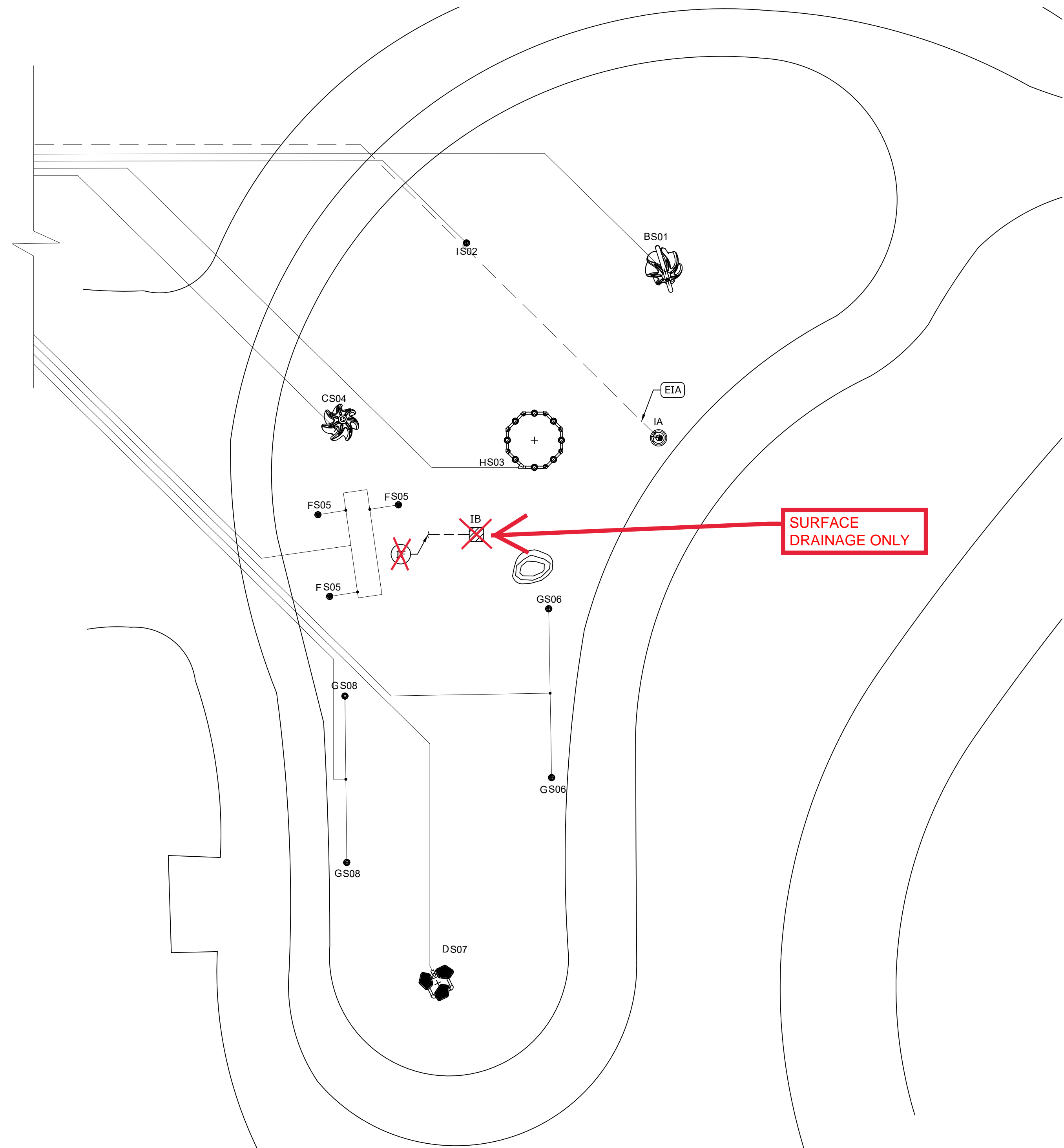
- 1.6 PRESSURE LINES ARE RECOMMENDED TO BE SCHEDULE 80 PVC OR PEX, AND NON-PRESSURE LINES TO BE SCHEDULE 40, UNLESS OTHERWISE REQUESTED BY LOCAL CODE.
- 1.7 DRAINAGE LINES ARE RECOMMENDED TO BE SDR 35, UNLESS OTHERWISE REQUESTED BY LOCAL CODE.
- 1.8 PIPING SHOULD BE INSPECTED AFTER TRANSPORTATION FOR CUTS, SCRATCHES, GOUGES OR SPLITS; DAMAGED SECTIONS MUST BE DISCARDED OR CUT OUT.
- 1.9 PIPE SHALL BE INSTALLED BELOW THE FROST LEVEL NOT LESS THAN 12" (ASTM F-645) UNLESS OTHERWISE REQUESTED BY LOCAL CODE.
- 1.10 PIPE INSTALLATION MINIMUM COVER SHOULD BE EVALUATED ACCORDING TO ASTM D-2774, UNLESS OTHERWISE REQUESTED BY LOCAL CODE.
- 1.11 SPECIAL CONSIDERATIONS SHOULD BE TAKEN FOR THERMAL CONDITIONS, EXPANSION AND CONTRACTIONS DUE TO TEMPERATURE SHOULD BE EVALUATED BEFORE THE INSTALLATION BY THE CONTRACTOR.
- 1.12 VALVE NUMBER 1 IS LOCATED TO THE LEFT OF THE MANIFOLD FACING THE SOLENOID.
- 1.13 MINIMUM 50 PSI REQUIRED AT THE INLET OF THE BACKFLOW PREVENTER AND PRESSURE REGULATING DEVICE.
- 1.14 MAXIMUM FLOW CAPACITY OF MANIFOLD IS 72 GPM.
- 1.15 TOTAL FLOW OF FEATURE IS 79 GPM.
- 1.16 FACTORY MAXIMUM SEQUENCING FLOW IS 50 GPM ACTUAL FLOW MAY VARY DUE TO SITE CONDITIONS.

2 ELECTRICAL

- 2.1 WIRING FROM THE CONTROLLER TO EACH ACTIVATOR SHALL BE #22 AWG. A TOTAL OF FIVE (5) CONDUCTORS PER ACTIVATOR. CABLE LENGTH UP TO 246' (75m), PROVIDED BY VORTEX.
- 2.2 ALL CONNECTIONS TO THE CONTROLLER AND OTHER VORTEX ELECTRICAL PANEL SHALL BE PERFORMED USING AN APPROVED NEMA 4X CONNECTOR.
- 2.3 WIRE FROM MAIN POWER TO VORTEX PANEL TO BE DETERMINED BY OTHERS RESPECTING THE LOCAL CODE.
- 2.4 MAINTAIN A MINIMUM CLEARANCE ZONE OF 36" IN FRONT OF ELECTRICAL PANEL, UNLESS OTHERWISE REQUESTED BY LOCAL CODE.
- 2.5 USE #8 BARE COPPER BONDING WIRE BETWEEN FEATURES TO A GROUNDING ROD IN THE SOIL, TIED INTO REBAR GRID, OR AS PER LOCAL CODE.
- 2.6 AS PER ELECTRICAL CONSTRUCTION AND SAFETY CODES: CONTROLLER CONTROLLER AND ANY OTHER ELECTRICAL ENCLOSURES MUST BE HARD-WIRED TO A GROUND FAULT CIRCUIT INTERRUPTER (GFCI) FROM THE INPUT POWER SOURCE.
- 2.7 ALL ELECTRICAL WORK SHOULD BE PERFORMED BY A LICENCE ELECTRICIAN IN ACCORDANCE TO LOCAL ELECTRICAL CONSTRUCTION AND SAFETY CODES.
- 2.8 THE MAESTROPRO CONTROL PANEL IS POWERED THROUGH A MAESTROPRO POWER BOX.
- 2.9 THE POWER CABLE TO MAESTROPRO POWER BOX IS SUPPLIED BY INSTALLER.
- 2.10 THE MAESTROPRO CONTROL PANEL INTEGRATES 24 DIGITAL OUTPUTS WITH 24 VAC AND 12 DIGITAL INPUTS.
- 2.11 FOR REMOTE ACCESS ABILITY, A HARD CONNECTION TO AN EXISTING NETWORK IS REQUIRED USING A CAT 5 CABLE OR A CELLULAR NANO-SIM CARD WITH DATA-PLAN.



2 PLUMBING & ELECTRICAL LAYOUT
PE-001 SCALE: 3/4"=1'-0"



1
PE-001

PLUMBING & ELECTRICAL LAYOUT

WATER LINE _____




DRAIN LINE - - - - -

ELECTRICAL LINE - - - - -

| Feature Connection Table | | | | | | | |
|----------------------------|-------------------|-----------------|--------------------------------|-----|-----------|-----|-----------------|
| Manifold Output Ref. | Solenoid Valve | Feature Ref. | Feature | Qty | Line Size | Gpm | Output (ID1) |
| S01 | 1" Std | B | Helio N°5 VOR 7240 | 1 | 1 1/2" | 14 | 1 |
| S02 | 1" Std | I | Spraylink Fountain VOR 3007 | 1 | 1 1/2" | 6 | 2 |
| S03 | 1" Std | H | Spraylink Cylinder VOR 3058 | 1 | 1 1/2" | 19 | 3 |
| S04 | 1" Std | C | Helio N°3 VOR 7238 | 1 | 1 1/2" | 3 | 4 |
| S05 | 1" Std | F | Spraylink funnel VOR 3008 | 3 | 1 1/2" | 21 | 5 |
| S06 | 1" Std | G | Spraylink Arch VOR 3002 | 2 | 1 1/2" | 3 | 6 |
| S07 | 1" Std | D | Hop N°1 VOR 7133 | 1 | 1 1/2" | 10 | 7 |
| S08 | 1" Std | G | Spraylink Arch VOR 3002 | 2 | 1 1/2" | 3 | 8 |

| Electrical Line Connections Power | | | | | |
|-----------------------------------|----------------------------|------------|--------------|----------------|---|
| Product Code | From | To | # Conductors | Gauge/Type | Note |
| PA | Main Power Line (by Owner) | ID2-120VAC | 3 | TBD (by Other) | 120V, 1 Phase, 60Hz, 10Amps Breaker Recommended ± 5% Voltage Drop is Acceptable |

| Electrical Line Connections Controller Inputs | | | | | |
|---|-------------|----|--------------|------------|--|
| Product Code | From | To | # Conductors | Gauge/Type | Note |
| EIA | ID1-Input 1 | IA | 5 | 22 | Bollard Activator N°3, 24 VDC, Max 345 mA, 246' (75m) Long Cable (by Other) |

| Product Legend | | |
|---|--|--------------|
| Product Ref. | Product | Qty |
| IA | Bollard Activator N°3 VOR 0611 | 1 |
| IB | Drain (By other) | 1 |
| IC | Water Distribution System; Wall mounted Command Center 2 38219D2204R03 | 1 |
| ID1 | MaestroPRO Controller 24 out / 12 in VOR-33907.3200 | 1 |
| ID2 | MaestroPRO Power Box VOR-33907.3200 | 1 |
| IE | 2" City Water Line (by Installer) | 1 |
| IF | 6" Drain Line to municipal Drain (by Installer) | 1 |
| IG | 4" TYP Drain Line With Strainer Connected to Drainage System. Ensure P-Tap is Below Frost Line to Prevent Freezing. (by Installer) | 1 |
|  | 2" Pressure Regulator (by Vortex) | 1 |
|  | 2" Backflow Preventer (by Vortex) | 1 |
|  | 1" Solenoid Valve with Ball Valve & Union | 8 |

**NOT IN
CONTRACT**

NOT IN CONTRACT



VORTEX

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Bucklin Park

Project Location
RI

Project Number
38219

Version
VC

[illegible]

| | | | |
|------------|----------------------|-----|----|
| 2/Dec/2022 | Issued for Approval | 00 | OD |
| Date | Revision Description | No. | By |

Drawing Title

Plumbing & Electrical Layout

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verified by
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22/Dec/2022

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