



Procurement #: 40650>

CITY OF PROVIDENCE, RHODE ISLAND

Department: Providence Parks Department

RFP Title: Fence Renovations at Multiple Parks

Opening Date: May 22, 2023

Addendum #: 1

Issue Date: May 17, 2023

The purpose of this addendum is to provide an adjustment to the scope of work for fence repairs at three additional parks.

Providence City Hall
25 Dorrance Street
Providence, RI 02903



WENDY NILSSON
Superintendent of Parks

BRETT P. SMILEY
Mayor

Addendum # 1
Fence Renovations at Multiple Parks

May 17, 2023

Total Pages Including Cover (14 Pages)

Acknowledge Addenda on Bid Form

Attachments:

1. Addendum Cover Sheet (2 Page)
2. Pre-Bid Meeting Minutes (2 Pages)
3. Pre-Bid Meeting Sign-in sheet (1 Page)
4. FENC.22.01- Addendum #1_Plan_L-0, L-8 (2 Pages)
5. FENC.22.01- Addendum #1_RFP & SPECS-p. 18-20 (3 pages)
6. FENC.22.01- Addendum #1_Vertical Panel Fence Spec (4 pages)

Questions/Clarifications:

1. Q: Will a temporary fence be required around all the locations during construction?

A: Contractors shall provide sufficient site protection during construction to maintain the health, safety and welfare of nearby park users and neighbors. Providence Parks aims to phase fence projects, to complete work start to finish on a per project basis so as not to have multiple parks closed at once.

2. Q: Will the sites be closed to the public during construction?

A: Fence renovations that impact entry to the parks will be closed to the public during construction. This includes: Kerry Kohring Park, Pleasant St. Park, Diamond St. Park, and Mattie Smith Tot Lot.

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



WENDY NILSSON
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Parks with additional access points may have areas that remain open during construction, including: Billy Taylor Park and Brown St. Park.

Parks that have repairs only will remain open during construction.



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Pre-Bid Meeting – Non-Mandatory

Date: Wednesday, May 9, 2023, 10 am at RWP Dalrymple Boathouse

Project: Fence Renovations at Multiple Parks

Bid Due: Monday May 22, 2023

Agenda:

1. Bid Documents, Plans & Specifications - Issues
2. Funding – **ARPA**
 - a. Braided Funding – Only Requires One Invoice Copy
3. Bid Bond, Performance & Payment Bonds – [**Required – Over \$50k**]
4. MBE/WBE Utilization – 10% MBE/10% WBE – Submit All Paperwork
 - a. Regardless of whether or not 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. Retainage of 5% will be held from Pay Requests until project completion
 - a. Reduction at Substantial Completion (85%) to 2.5%
 - b. Additional 3% held for out of state contractors
6. 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’
7. 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
8. Prevailing Wage Requirements
 - a. Wage Decision in RFP (Date of Bid Opening)
 - b. Certified Payrolls to be Submitted with Pay Requisitions
9. Sub-Contractor Utilization Form: Submitted with Pay Requests
10. Submittals
 - a. Need Written Approval prior to purchase of Materials
 - b. Substitutions must include ‘Side by Side Comparison’
11. Schedule of Values / Sequence of Work – Submitted prior to mobilization
 - a. City expects a Continuous Operation (No Demobilizations)
 - b. Liquidated Damages – Not Included
12. Working Hours

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Phone: 401-680-7201



WENDY NILSSON
Superintendent of Parks

BRETT P. SMILEY
Mayor

- a. Monday – Friday 7:00 am – 3:30 pm
- b. Weekends or Extended Hours – Requires Pre-Approval
- 13. Job Site Conduct
 - a. Parks are smoke free 'No Smoking'
 - b. No Loud Music
 - c. Equipment and Vehicles – In working Order – No Leaks
- 14. Pay Requests
 - a. Shall be submitted on the 15th of the month (or as discussed)
 - b. Certified Payrolls need to accompany pay requests or they will not be processed
- 15. Waiver of Lien or Release
 - a. May be Required with certain funding sources for all suppliers and sub-contractors
- 16. 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 Need to be Submitted in Writing (5) Working Days Prior to the Opening – Sent Via E-mail to **Nicole Modi** and **nmodi@providenceri.gov** and Chevell Burgess at **cburgess@providenceri.gov**

Parks Department Contact Information

Nicole Modi	Landscape Designer / Project Manager (Primary Contact)
Phone:	401-680-7225
E-Mail:	nmodi@providenceri.gov

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

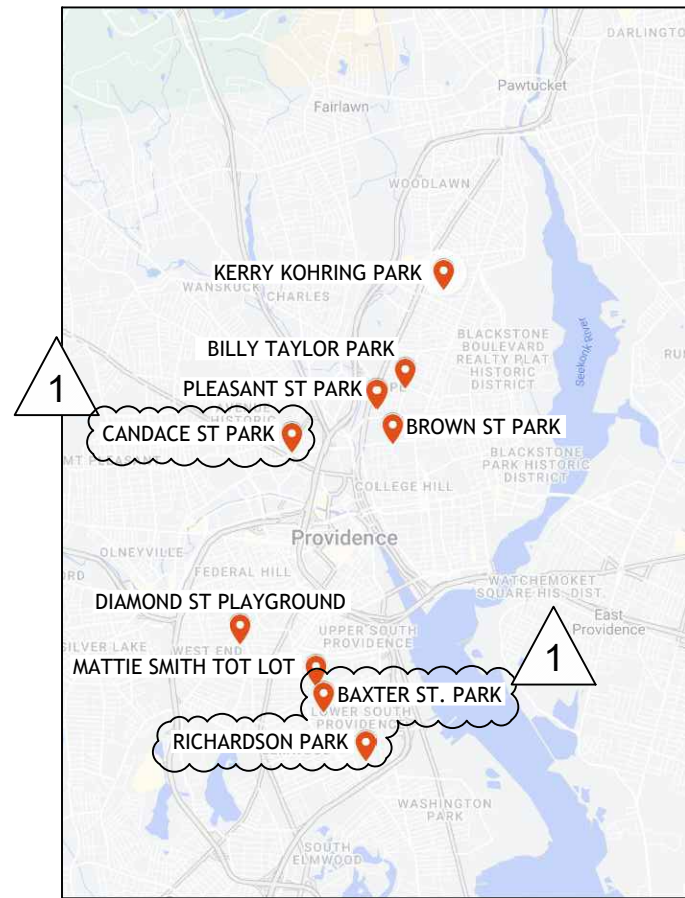
Sign-In Sheet

Non-Mandatory Pre-Bid Meeting

Tuesday, May 9, 2023 at 10:00 AM – Roger Williams Park Dalrymple Boathouse

Project: Fence Renovations at Multiple Parks

<u>Name</u>	<u>Company</u>	<u>E-Mail</u>	<u>Phone</u>
Paul Mcleedy	South East Fence	paul@southeastfence.com	508-947-4063
CHRES SEGER	MILL CITY	CSEGER@MILL-CITY.COM	401-523-6334
Emma Donatelli	New England fence LLC	newenglandfence ri@gmail.com	401-811-4867
Donald D. Scullio	Site Source Const	dd.Scullio@sitesourceconstruction.com	401-644-0006



SOURCE: GOOGLE MAPS, 2023

FENCE RENOVATIONS AT MULTIPLE PARKS

HONORABLE
BRETT SMILEY,
MAYOR

WENDY NILSSON,
SUPERINTENDENT OF PARKS

CITY COUNCILOR



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

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GENERAL CONSTRUCTION NOTES

1. INFORMATION FOR THE EXISTING CONDITIONS PLAN WAS OBTAINED FROM GIS, AERIAL IMAGERY, AND FIELD OBSERVATION. ALL EXISTING CONDITIONS ARE TO BE CONSIDERED APPROXIMATE. THIS IS NOT A REGISTERED SURVEY.
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.

DEMOLITION GENERAL NOTES

1. ALL SITE PREPARATION NECESSARY TO COMPLETE THIS PROJECT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
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.
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.
4. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL DEBRIS FROM THE SITE AND DISPOSING OF THE DEBRIS IN A PROPER AND LEGAL MANNER.
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, 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.
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.
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.

SHEET SCHEDULE

SHEET #	NAME	ADDRESS	NOTES
L-0	COVER SHEET		
L-1	FENCING PLAN - KERRY KOHRING PARK	84 9TH ST	PROVIDENCE, RI (FORMERLY SUMMIT AVE PARK)
L-2	FENCING PLAN - BILLY TAYLOR PARK	140 CAMP ST	PROVIDENCE RI
L-3	FENCING PLAN - PLEASANT ST PARK	34 PLEASANT ST	PROVIDENCE RI
L-4	FENCING PLAN - BROWN ST PLAYGROUND	207 BROWN ST	PROVIDENCE RI
L-5	FENCING PLAN - DIAMOND ST PLAYGROUND	45 DIAMOND ST	PROVIDENCE RI
L-6	FENCING PLAN - MATTIE SMITH TOT LOT	103 TAYLOR ST	PROVIDENCE RI
L-7	CONSTRUCTION DETAILS		
L-8	SUPPLEMENTAL FENCE REPAIRS		
	- RICHARDSON PARK	64 RICHARDSON ST	PROVIDENCE RI
	- BAXTER ST PARK	61 BAXTER ST	PROVIDENCE RI
	- CANDACE ST PARK	11 CANDACE ST	PROVIDENCE RI

GENERAL LEGEND

+97.96	EXISTING GRADE		EX. ASPHALT TO BE REMOVED
+97.83	PROPOSED GRADE		NEW 2" ASPHALT PAVING
---98---	EXISTING CONTOUR		
---99---	PROPOSED CONTOUR		
	EXISTING TREES		
	TREE PROTECTION FENCE		
---LOW---	LIMIT OF WORK		
---SS---	SILT SOCK		

COVER SHEET
FENCE RENOVATIONS AT MULTIPLE PARKS
MULTIPLE PARKS PROVIDENCE, RI

FILE: FENC22-01-PLANS.dwg

DATE:
4/13/2023

SCALE:
NTS

DRAWN BY:
NM

SHEET NO.

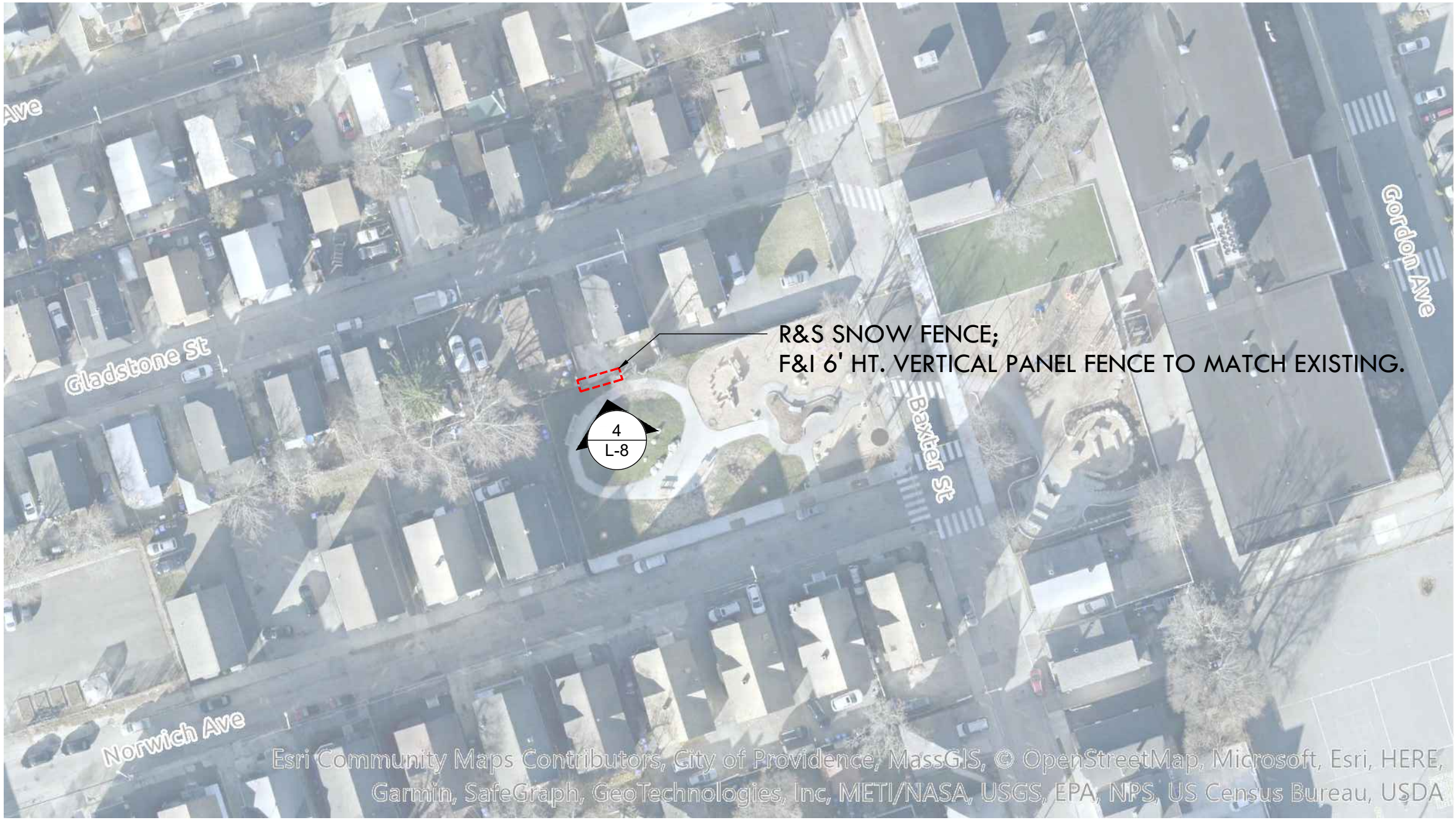
CHECKED/
APPROVED:
MG

L-0

1 OF 9



1 RICHARDSON PARK
NTS



3 BAILEY BAXTER PARK
NTS



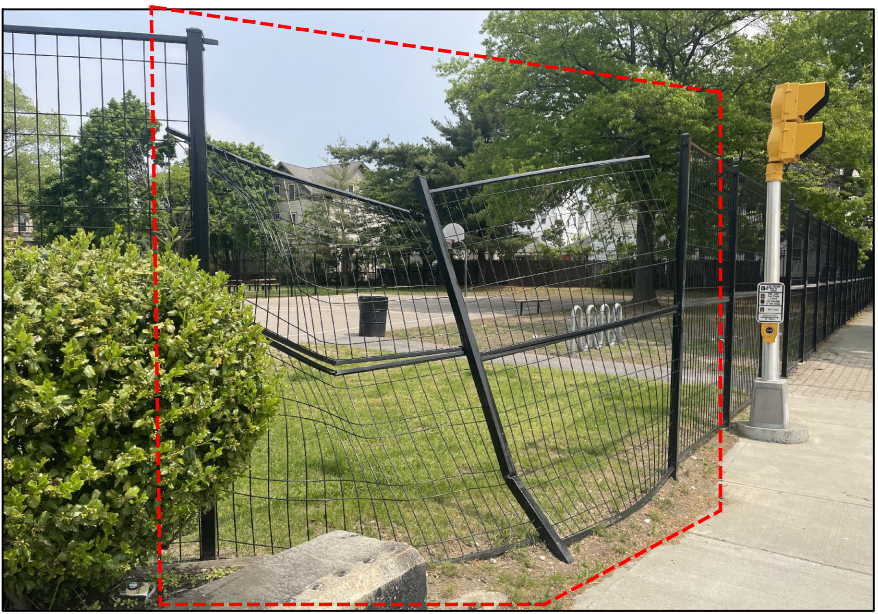
6 CANDACE ST PARK
NTS



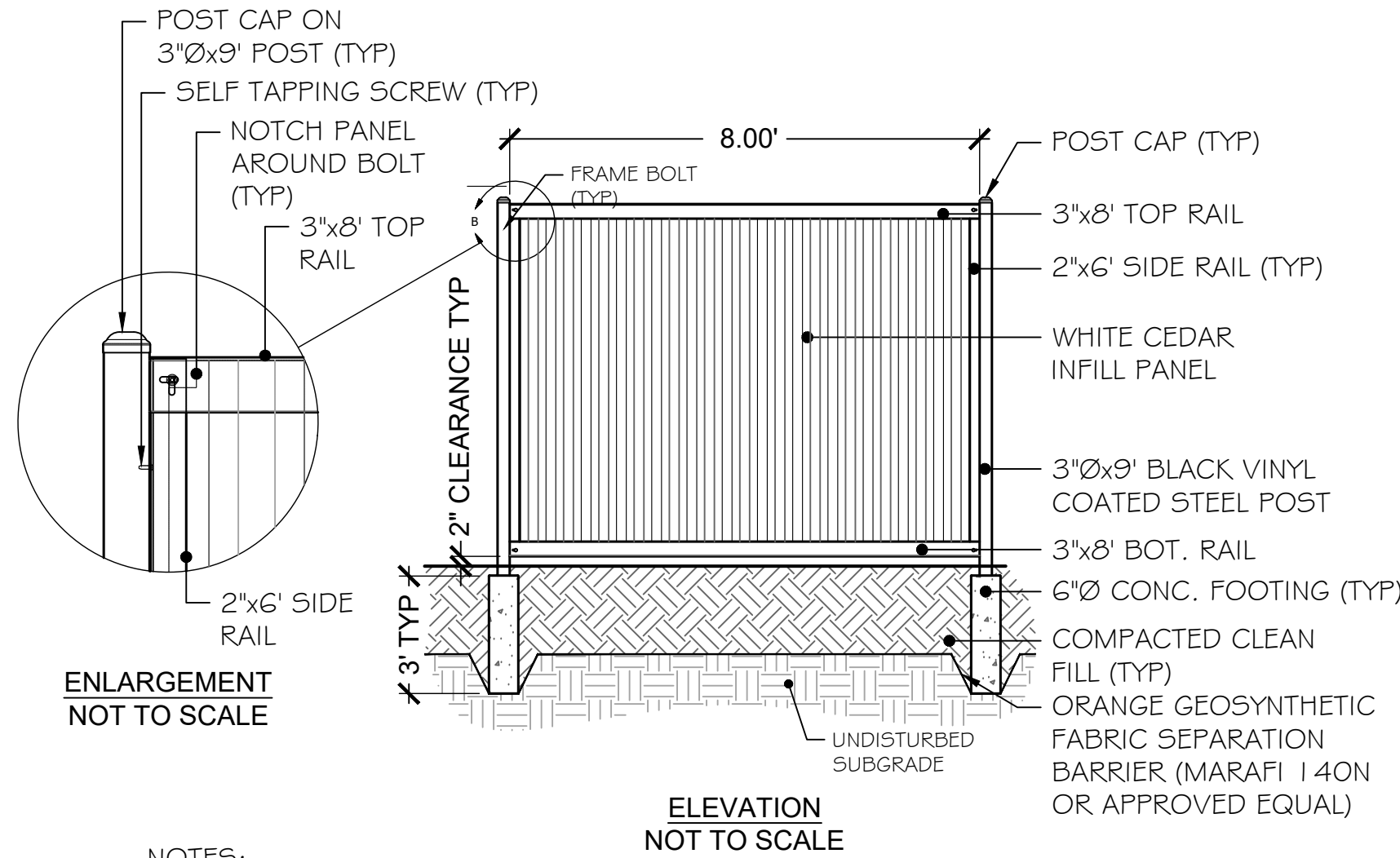
2 VIEW FROM RICHARDSON ST.



4 BAILEY BAXTER - VIEW FROM PARK TO FENCE NEAR NORTHEAST CORNER



7 CANDACE ST PARK - VIEWS FROM ORMS ST AT CANDACE ST



5 6' HT FENCETRAC WITH WHITE CEDAR INFILL PANEL
NTS



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

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NO.	REVISION	DATE
1	ADDENDUM #1	5/17/23

SUPPLEMENTAL FENCE REPAIRS

FENCE RENOVATIONS AT MULTIPLE PARKS

MULTIPLE PARKS, PROVIDENCE, RI

DATE: 4/13/2023

SCALE: NTS

DRAWN BY: NM

CHECKED/ APPROVED: MG

9 OF 9



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

10. F&I nine (9) 4' ht. x 5' wide 4 gauge ornamental welded wire pedestrian gates, Jerith Patriot or approved equal.

_____ EA \$ _____
price in writing

11. F&I 4' ht. 4 gauge ornamental welded wire fence surface mounted, Jerith Patriot or approved equal.

_____ LF \$ _____
price in writing

12. F&I 8' ht. 4 gauge ornamental welded wire fence to match existing, Jerith Patriot or approved equal.

_____ LF \$ _____
price in writing

13. F&I one (1) 4' ht. x 3.5' wide 4 gauge ornamental welded wire pedestrian gate surface mounted, Jerith Patriot or approved equal.

_____ LF \$ _____
price in writing

14. F&I two (2) 4' ht. x 7' wide 4 gauge ornamental welded wire pedestrian gate surface mounted, Jerith Patriot or approved equal.

_____ LF \$ _____
price in writing

15. F&I 6' Ht. FenceTrac with white cedar infill panel or approved equal

_____ LF \$ _____
price in writing

BIDDER: _____



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

16. F&I hot patch to bituminous concrete areas as noted.

_____ **SF** \$ _____
price in writing

17. Loam and Seed to all disturbed areas.

_____ **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**

BID DOCUMENTS:

The complete set of Bid Documents consists of the Bid Form, Technical Specifications, Minority Participation Forms, and the following Drawings:

DRAWINGS:

- **L-0 COVER SHEET**
- **L-1 FENCING PLAN – KERRY KOHRING PARK**
- **L-2 FENCING PLAN – BILLY TAYLOR PARK**
- **L-3 FENCING PLAN – PLEASANT ST PARK**
- **L-4 FENCING PLAN – BROWN ST PLAYGROUND**
- **L-5 FENCING PLAN – DIAMOND ST PLAYGROUND**
- **L-6 FENCING PLAN – MATTIE SMITH TOT LOT**
- **L-7 CONSTRUCTION DETAILS**
- **L-8 SUPPLEMENTAL FENCE REPAIRS**

PREVAILING WAGE DECISION

TECHNICAL SPECIFICATION:

- **010000 GENERAL REQUIREMENTS**
- **015639 TEMPORARY TREE AND PLANT PROTECTION**
- **024119 SELECTIVE DEMOLITION**
- **323100 VERTICAL PANEL FENCE**
- **323116.10 ORNAMENTAL WELDED WIRE FENCES AND GATES**
- **329219 SEEDING**

ADDITIONAL INFORMATION REQUIRED WITH BID:

- Qualifications to Perform Work – See Form Below for Information Required
- Minority Participation Forms – 10% MBE / 10 % WBE Goal on this Project
- Addenda (If Any) - Must Be Acknowledged on Bid Form
- 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



SECTION 323100 - VERTICAL PANEL FENCE

PART 1 - GENERAL

1.1 WORK INCLUDED

- A. The contractor shall provide all labor, materials, and appurtenances necessary for installation of the privacy metal fence system defined herein at project site.

1.2 RELATED WORK

- A. Section 312213 – Rough Grading
- B. Section 323116.10 – Ornamental Welded Wire Fences and Gates

1.3 SYSTEM DESCRIPTION

- A. The manufacturer shall supply a steel framework Trac system design manufactured by FenceTrac or approved equal. The system shall include all components (i.e., all necessary Trac components, posts, and hardware) required. Privacy filler materials will be white cedar infill panel to match existing or approved equal.

1.4 QUALITY ASSURANCE

- A. The contractor shall provide laborers and supervisors who are thoroughly familiar with the type of construction involved and materials and techniques specified.

1.5 REFERENCES

- A. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy Coated (Galvannealed) by the Hot-Dip Process.
- B. ASTM B117 - Practice for Operating Salt-Spray (Fog) Apparatus.
- C. ASTM D523 - Test Method for Specular Gloss.
- D. ASTM D714 - Test Method for Evaluating Degree of Blistering in Paint.
- E. ASTM D822 - Practice for Conducting Tests on Paint and Related Coatings and Materials using Filtered Open-Flame Carbon-Arc Light and Water Exposure Apparatus.



- F. ASTM D1654 - Test Method for Evaluation of Painted or Coated Specimens Subjected to Corrosive Environments.
- G. ASTM D2244 - Test Method for Calculation of Color Differences from Instrumentally Measured Color Coordinates.
- H. ASTM D2794 - Test Method for Resistance of Organic Coatings to the Effects of Rapid Deformation (Impact).
- I. ASTM D3359 - Test Method for Measuring Adhesion by Tape Test.

1.6 SUBMITTAL

- A. The manufacturer's submittal package shall be provided prior to installation.

1.7 PRODUCT HANDLING AND STORAGE

- A. Upon receipt at the job site, all materials shall be checked to ensure that no damages occurred during shipping or handling. Materials shall be stored in such a manner to ensure proper ventilation and drainage, and to protect against damage, weather, vandalism, and theft.

PART 2 - MATERIALS

2.1 MANUFACTURER

- A. The commercial ornamental steel fence system shall conform to FenceTrac standard system with 1" x 6" x 6' style vertical white cedar infill panel material to match existing. FenceTrac is manufactured in Tulsa, OK. Contact: 918-794-8722; info@fencetrac.com

2.2 MATERIAL

- A. Steel material for fence framework and posts, when galvanized prior to forming, shall conform to the requirements of ASTM A924/A924M, with a minimum yield strength of 45,000 psi (310 MPa). The steel shall be hot-dip galvanized to meet the requirements of ASTM A653/A653M with a minimum zinc coating weight of 0.90 oz/ft² (276 g/m²), Coating Designation G-90.
- B. Material for the Top and Bottom Tracs shall be 18 Ga. steel. Material for the Post Mount and Vertical-H Tracs shall be 18 Ga. steel. The cross-sectional shape of the rails shall conform to the manufacturer's roll-formed U-channel design. Fence posts and gate posts shall meet the minimum size requirements of Table 1.



2.3 FABRICATION

- A. All fence framework shall be pre-cut to specified lengths. The Post Mount Tracs shall be pre-drilled for attachment to the posts.
- B. The manufactured steel framework shall be subjected to a thermal stratification coating process. Starting with the initial pre-rinse and cleaning, then adding a zinc phosphate protective coating, epoxy primer coating and heating process, and a separate electrostatic spray application of a TGIC polyester powder coat finish. The total coating shall be a minimum thickness of 4 mils (0.1016mm). The color shall be Black. The stratification-coated framework shall be capable of meeting the performance requirements for each quality characteristic shown in Table 2.
- C. Completed sections shall be capable of supporting appropriate wind speeds according to ASCE 7-05 for Commercial/Industrial designed systems only. Residential applications will vary, and wind speed testing can be calculated for an additional cost if necessary. Panels without special ornamentation or custom additions on top shall be biasable up to a 45% change in grade.

PART 3 - EXECUTION

3.1 PREPARATION

- A. All new installation shall be laid out by the contractor in accordance with the construction plans.

3.2 FENCE INSTALLATION

- A. Fence post shall be spaced according to FenceTrac installation instructions or Submittal drawings. For installations that must be raked to follow sloping grades, the post spacing dimension must be measured along the grade. Fence sections shall be attached to posts with self-tapping screws supplied by the manufacturer. Posts shall be set in concrete footers having a minimum depth of 36" (Note: In some cases, local restrictions of freezing weather conditions may require a greater depth). The "Earthwork" and "Concrete" sections of this specification shall govern material requirements for the concrete footer. Posts setting by other methods such as plated posts or grouted core-drilled footers are permissible only if shown by engineering analysis to be sufficient in strength for the intended application. Alternative materials on posts are also possible with the FenceTrac system, additional contact may be necessary to complete special post installations.

3.3 FENCE INSTALLATION MAINTENANCE

- A. When cutting/drilling rails or posts adhere to the following steps to seal the exposed steel surfaces; 1) remove all metal shavings from cut area. 2) Apply zinc-rich primer to thoroughly cover cut edge and/or drilled hole; let dry. 3) Apply 2 coats of custom finish paint matching fence color. Failure to seal exposed surfaces per steps 1-3 above will negate warranty.



FenceTrac spray cans or paint pens shall be used to prime and finish exposed surfaces; it is recommended that paint pens be used to prevent overspray. Use of non-FenceTrac parts or components will negate the manufactures' warranty.

3.4 CLEANING

- A. The contractor shall clean the jobsite of excess materials; post-hole excavations shall be scattered uniformly away from posts.

END OF SECTION 323100